

ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

I-394 North Ramp & Xenia Ave
 City: Golden Valley
 data by: Alliant Engineering, Inc.
 TURN MOVEMENT COUNT

File Name : I-394 North Ramp & Xenia Ave_2021
 Site Code : 1735821
 Start Date : 10/27/2021
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	Xenia Ave Southbound					I-394 North Off Ramp Westbound					Xenia Ave Northbound					I-394 North On 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 AM	0	34	10	0	44	58	0	24	0	82	22	16	0	0	38	0	0	0	0	0	164
06:15 AM	0	38	8	0	46	40	0	36	0	76	22	24	0	0	46	0	0	0	0	0	168
06:30 AM	0	48	14	0	62	54	0	34	0	88	24	40	0	0	64	0	0	0	0	0	214
06:45 AM	0	56	20	0	76	80	0	78	0	158	34	70	0	0	104	0	0	0	0	0	338
Total	0	176	52	0	228	232	0	172	0	404	102	150	0	0	252	0	0	0	0	0	884
07:00 AM	0	88	32	0	120	56	0	86	0	142	40	62	0	0	102	0	0	0	0	0	364
07:15 AM	0	102	32	0	134	70	0	114	0	184	50	80	0	0	130	0	0	0	0	0	448
07:30 AM	0	132	74	0	206	72	0	110	0	182	64	114	0	0	178	0	0	0	0	0	566
07:45 AM	0	146	52	0	198	90	0	208	0	298	52	130	0	0	182	0	0	0	0	0	678
Total	0	468	190	0	658	288	0	518	0	806	206	386	0	0	592	0	0	0	0	0	2056
08:00 AM	0	182	58	0	240	106	0	258	0	364	58	190	0	0	248	0	0	0	0	0	852
08:15 AM	0	138	104	0	242	112	0	152	0	264	86	130	0	0	216	0	0	0	0	0	722
08:30 AM	0	118	66	0	184	102	0	156	0	258	64	116	0	0	180	0	0	0	0	0	622
08:45 AM	0	144	58	0	202	118	0	104	0	222	42	128	0	0	170	0	0	0	0	0	594
Total	0	582	286	0	868	438	0	670	0	1108	250	564	0	0	814	0	0	0	0	0	2790
09:00 AM	0	118	46	2	166	112	0	86	0	198	52	88	0	0	140	0	0	0	0	0	504
09:15 AM	0	150	56	0	206	130	2	94	0	226	72	100	0	0	172	0	0	0	0	0	604
*** BREAK ***																					
Total	0	268	102	2	372	242	2	180	0	424	124	188	0	0	312	0	0	0	0	0	1108
*** BREAK ***																					
10:30 AM	0	136	30	0	166	134	2	46	0	182	94	98	0	0	192	0	0	0	0	0	540
10:45 AM	0	130	40	0	170	178	2	64	0	244	92	126	0	0	218	0	0	0	0	0	632
Total	0	266	70	0	336	312	4	110	0	426	186	224	0	0	410	0	0	0	0	0	1172
11:00 AM	0	164	46	0	210	164	0	88	0	252	144	94	0	0	238	0	0	0	0	0	700
11:15 AM	0	200	42	0	242	222	2	74	0	298	132	122	0	0	254	0	0	0	0	0	794
11:30 AM	0	172	54	0	226	228	2	96	0	326	162	118	0	0	280	0	0	0	0	0	832
11:45 AM	0	216	70	0	286	180	2	74	0	256	122	114	0	0	236	0	0	0	0	0	778
Total	0	752	212	0	964	794	6	332	0	1132	560	448	0	0	1008	0	0	0	0	0	3104
12:00 PM	0	196	40	0	236	212	0	66	0	278	132	142	0	0	274	0	0	0	0	0	788
12:15 PM	0	216	42	0	258	218	0	84	0	302	130	162	0	0	292	0	0	0	0	0	852
12:30 PM	0	210	52	0	262	192	2	80	0	274	128	128	0	0	256	0	0	0	0	0	792
12:45 PM	0	154	54	0	208	196	0	68	0	264	196	142	0	0	338	0	0	0	0	0	810
Total	0	776	188	0	964	818	2	298	0	1118	586	574	0	0	1160	0	0	0	0	0	3242
*** BREAK ***																					
02:30 PM	0	168	64	0	232	170	0	56	0	226	182	98	0	0	280	0	0	0	0	0	738
02:45 PM	0	158	40	0	198	200	0	50	0	250	164	116	0	0	280	0	0	0	0	0	728
Total	0	326	104	0	430	370	0	106	0	476	346	214	0	0	560	0	0	0	0	0	1466
03:00 PM	0	182	76	0	258	188	0	66	0	254	180	98	0	0	278	0	0	0	0	0	790
03:15 PM	0	156	96	0	252	162	2	72	0	236	194	120	0	0	314	0	0	0	2	2	804
03:30 PM	0	210	104	0	314	188	0	62	0	250	202	102	0	0	304	0	0	0	0	0	868
03:45 PM	0	202	76	4	282	192	0	78	0	270	152	124	0	0	276	0	0	0	0	0	828
Total	0	750	352	4	1106	730	2	278	0	1010	728	444	0	0	1172	0	0	0	2	2	3290
04:00 PM	0	242	130	0	372	196	0	56	0	252	152	172	0	0	324	0	0	0	0	0	948
04:15 PM	0	230	126	0	356	150	0	76	0	226	156	170	0	0	326	0	0	0	0	0	908
04:30 PM	0	242	96	0	338	206	0	68	0	274	162	134	0	0	296	0	0	0	0	0	908

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 TURN MOVEMENT COUNT

File Name : I-394 North Ramp & Xenia Ave_2021
 Site Code : 1735821
 Start Date : 10/27/2021
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	Xenia Ave Southbound					I-394 North Off Ramp Westbound					Xenia Ave Northbound					I-394 North On 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	
04:45 PM	0	226	120	0	346	226	0	80	0	306	188	180	0	0	368	0	0	0	0	0	1020
Total	0	940	472	0	1412	778	0	280	0	1058	658	656	0	0	1314	0	0	0	0	0	3784
05:00 PM	0	306	130	0	436	246	0	88	0	334	190	210	0	0	400	0	0	0	0	0	1170
05:15 PM	0	240	112	2	354	242	0	54	0	296	242	154	0	0	396	0	0	0	2	2	1048
05:30 PM	0	188	98	0	286	236	0	56	0	292	202	156	0	0	358	0	0	0	0	0	936
05:45 PM	0	172	82	0	254	178	0	66	0	244	204	140	0	0	344	0	0	0	0	0	842
Total	0	906	422	2	1330	902	0	264	0	1166	838	660	0	0	1498	0	0	0	2	2	3996
06:00 PM	0	164	70	0	234	182	0	80	0	262	194	160	0	0	354	0	0	0	0	0	850
06:15 PM	0	166	38	0	204	202	0	80	0	282	148	126	0	0	274	0	0	0	0	0	760
Grand Total	0	6540	2558	8	9106	6288	16	3368	0	9672	4926	4794	0	0	9720	0	0	0	4	4	28502
Apprch %	0	71.8	28.1	0.1		65	0.2	34.8	0		50.7	49.3	0	0		0	0	0	100		
Total %	0	22.9	9	0	31.9	22.1	0.1	11.8	0	33.9	17.3	16.8	0	0	34.1	0	0	0	0	0	
Cars	0	3270	1279	4	4553	3144	8	1684	0	4836	2463	2397	0	0	4860	0	0	0	2	2	14251
% Cars	0	50	50	50	50	50	50	50	0	50	50	50	0	0	50	0	0	0	50	50	50
Trucks	0	3270	1279	4	4553	3144	8	1684	0	4836	2463	2397	0	0	4860	0	0	0	2	2	14251
% Trucks	0	50	50	50	50	50	50	50	0	50	50	50	0	0	50	0	0	0	50	50	50

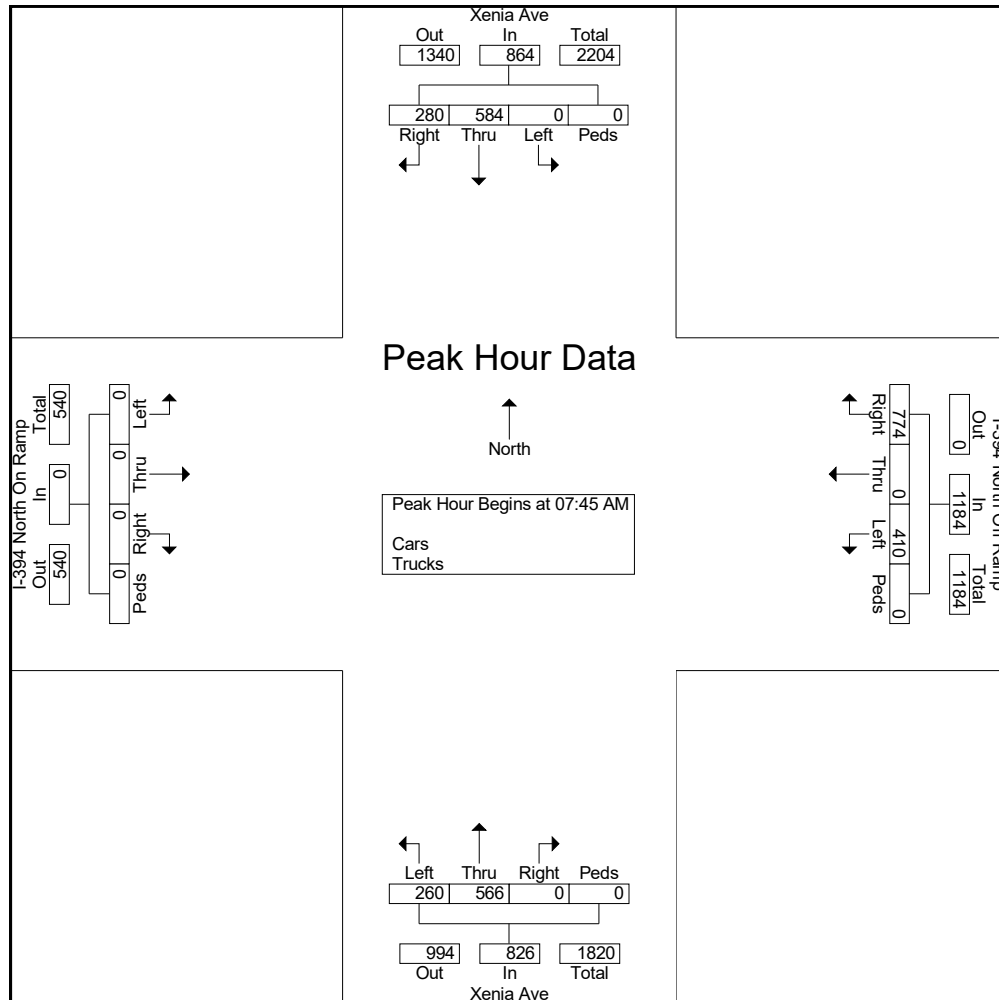
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 Page No : 3

Start Time	Xenia Ave Southbound					I-394 North Off Ramp Westbound					Xenia Ave Northbound					I-394 North On 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	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	0	146	52	0	198	90	0	208	0	298	52	130	0	0	182	0	0	0	0	0	678
08:00 AM	0	182	58	0	240	106	0	258	0	364	58	190	0	0	248	0	0	0	0	0	852
08:15 AM	0	138	104	0	242	112	0	152	0	264	86	130	0	0	216	0	0	0	0	0	722
08:30 AM	0	118	66	0	184	102	0	156	0	258	64	116	0	0	180	0	0	0	0	0	622
Total Volume	0	584	280	0	864	410	0	774	0	1184	260	566	0	0	826	0	0	0	0	0	2874
% App. Total	0	67.6	32.4	0		34.6	0	65.4	0		31.5	68.5	0	0		0	0	0	0		
PHF	.000	.802	.673	.000	.893	.915	.000	.750	.000	.813	.756	.745	.000	.000	.833	.000	.000	.000	.000	.000	.843



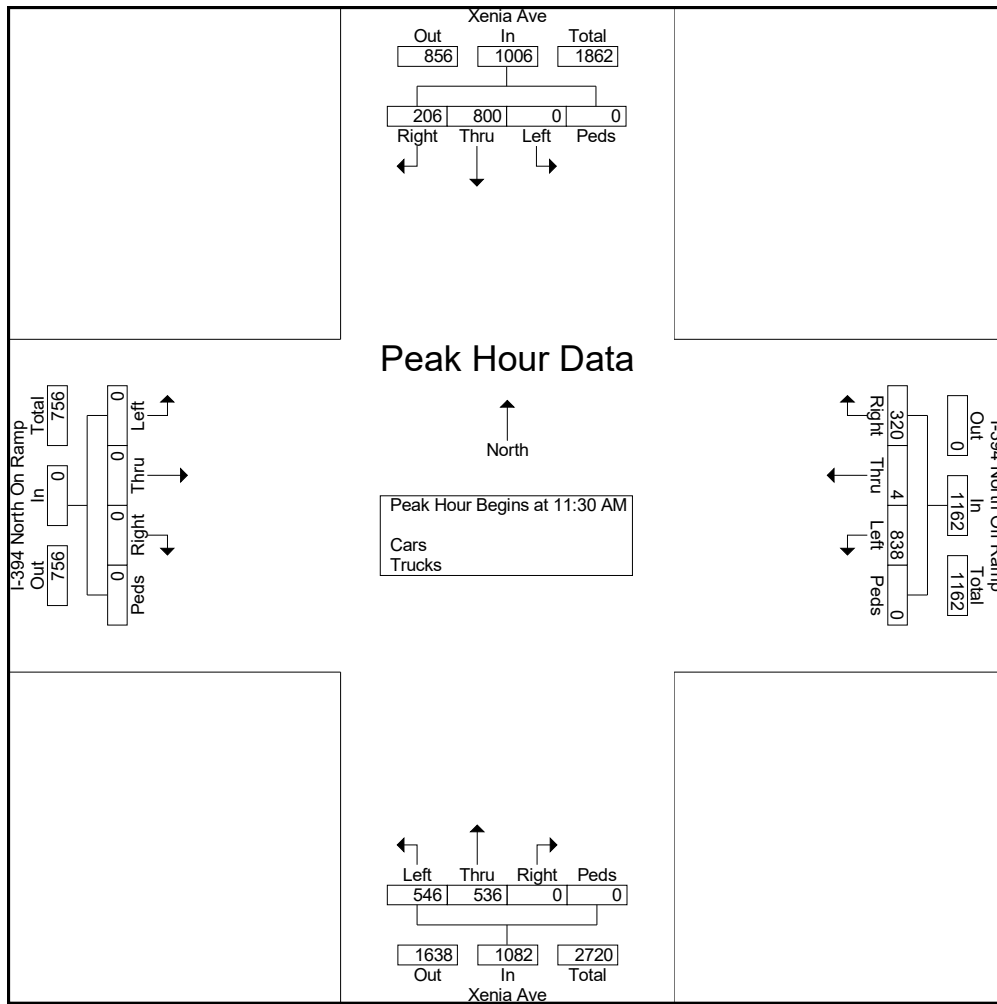
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 Page No : 4

Start Time	Xenia Ave Southbound					I-394 North Off Ramp Westbound					Xenia Ave Northbound					I-394 North On 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	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	172	54	0	226	228	2	96	0	326	162	118	0	0	280	0	0	0	0	0	832
11:45 AM	0	216	70	0	286	180	2	74	0	256	122	114	0	0	236	0	0	0	0	0	778
12:00 PM	0	196	40	0	236	212	0	66	0	278	132	142	0	0	274	0	0	0	0	0	788
12:15 PM	0	216	42	0	258	218	0	84	0	302	130	162	0	0	292	0	0	0	0	0	852
Total Volume	0	800	206	0	1006	838	4	320	0	1162	546	536	0	0	1082	0	0	0	0	0	3250
% App. Total	0	79.5	20.5	0		72.1	0.3	27.5	0		50.5	49.5	0	0		0	0	0	0		
PHF	.000	.926	.736	.000	.879	.919	.500	.833	.000	.891	.843	.827	.000	.000	.926	.000	.000	.000	.000	.000	.954



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File Name : I-394 North Ramp & Xenia Ave_2021
 Site Code : 1735821
 Start Date : 10/27/2021
 Page No : 5

Start Time	Xenia Ave Southbound					I-394 North Off Ramp Westbound					Xenia Ave Northbound					I-394 North On 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	
Peak Hour Analysis From 02:00 PM to 06:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	0	226	120	0	346	226	0	80	0	306	188	180	0	0	368	0	0	0	0	0	1020
05:00 PM	0	306	130	0	436	246	0	88	0	334	190	210	0	0	400	0	0	0	0	0	1170
05:15 PM	0	240	112	2	354	242	0	54	0	296	242	154	0	0	396	0	0	0	2	2	1048
05:30 PM	0	188	98	0	286	236	0	56	0	292	202	156	0	0	358	0	0	0	0	0	936
Total Volume	0	960	460	2	1422	950	0	278	0	1228	822	700	0	0	1522	0	0	0	2	2	4174
% App. Total	0	67.5	32.3	0.1		77.4	0	22.6	0		54	46	0	0		0	0	0	100		
PHF	.000	.784	.885	.250	.815	.965	.000	.790	.000	.919	.849	.833	.000	.000	.951	.000	.000	.000	.250	.250	.892

