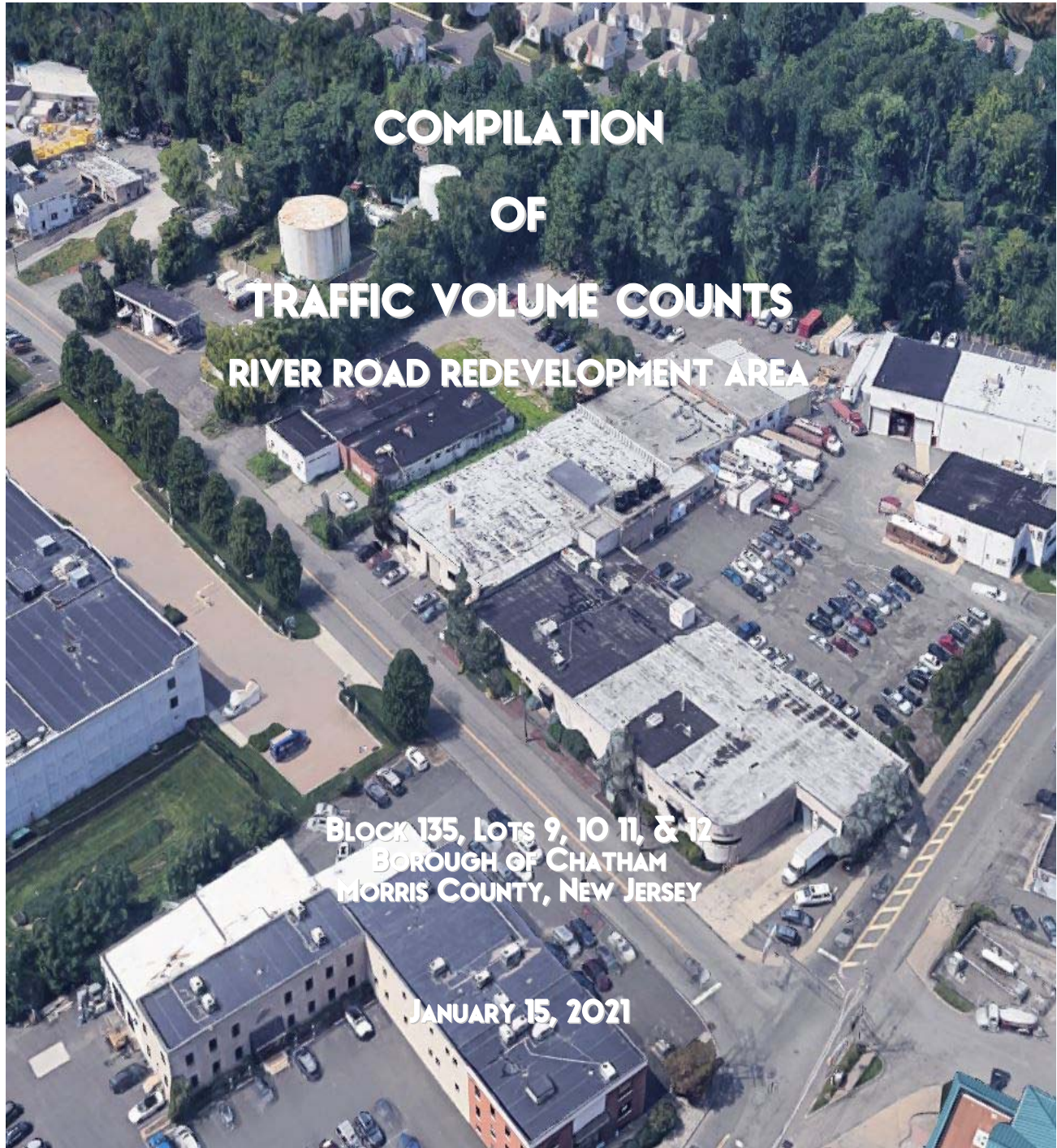




181 WEST HIGH STREET
SOMERVILLE, NJ 08876

908 927 0100 p
908 927 0181 f



**TRAFFIC ENGINEERING
PARKING STUDIES
HIGHWAY DESIGN
DOT ACCESS PERMITS
MUNICIPAL CONSULTING**

Morris County Traffic Count Program Summary

Municipality	Road Name	Number	Location												AM Peak Hour Volume				PM Peak Hour Volume				Road Direction	Dates	
				2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Peak Hour	Vol	N or E	S or W	Peak Hour	Vol	N or E	S or W		Start	End
Boonton Town	Boonton Ave	511	B/W Main St and Wootton St	-	-	-	-	4,609	-	-	-	3,978	-	-	8:00am	370	86	284	5:00pm	384	208	176	NorthSouth	5/22/2017	5/25/2017
Boonton Town	Fanny Rd	Mun	B/W Morris Ave and Intervale Rd	-	-	8,843	-	-	-	-	-	-	-	-	8:00am	753	219	533	5:00pm	842	556	286	EastWest	9/14/2011	9/19/2011
Boonton Town	Fanny Rd	Mun	N of Morris Ave	9,777	-	-	-	-	-	9,214	-	-	-	-	8:00am	641	454	187	5:00pm	829	279	550	NorthSouth	11/23/2015	11/25/2015
Boonton Town	Main St	511	B/W Boonton Ave and Cornelia St	-	-	11,369		-	-	-	-	10,240		-	7:00am	811	511	300	5:00pm	826	356	469	EastWest	10/10/2017	10/13/2017
Boonton Town	Main St	511	N of Myrtle Ave	9,856	-	-	-	-	10,391		-	-	-	-	8:00am	842	254	587	5:00pm	973	483	490	NorthSouth	10/20/2014	10/23/2014
Boonton Town	Morris Ave	Mun	S of Main St	-	-	3,127	-	-	-	-	-	-	-	-	8:00am	246	104	142	5:00pm	310	175	134	EastWest	9/19/2011	9/22/2011
Boonton Town	Myrtle Ave	202	B/W I-287 Ramp and Wootton St	-	-	17,045		-	-	-	-	13,205		-	8:00am	978	283	695	5:00pm	1,014	442	572	NorthSouth	5/22/2017	5/25/2017
Boonton Town	W Main St	624	E of Powerville Rd	-	10,302		-	-	8,536	-	-	-	-	5,239	9:00am	417	207	210	12:00pm	434	224	210	EastWest	9/10/2019	9/12/2019
Boonton Town	Washington St	202	B/W Reservoir Dr and Parsippany Blvd	-	-	-	4,369	-	-	-	-	-	4,800	-	8:00am	487	108	379	5:00pm	525	419	106	NorthSouth	10/16/2018	10/18/2018
Boonton Township	Boonton Ave	511	B/W Sheep Hill Rd and Knowlwood Rd	-	3,271	-	-	-	4,314	-	-	-	3,880	-	8:00am	491	90	401	5:00pm	312	195	117	NorthSouth	10/16/2018	10/18/2018
Boonton Township	Old Denville Rd	603	W of Powerville Rd	-	-	-	1,752	-	-	-	-	-	-	-	7:00am	139	88	51	5:00pm	156	71	85	NorthSouth	9/18/2012	9/21/2012
Boonton Township	Powerville Rd	618	N of Rockaway Valley Rd	-	-	-	3,107	-	-	-	3,578	-	-	-	8:00am	434	333	101	5:00pm	321	91	230	NorthSouth	5/23/2016	5/26/2016
Boonton Township	Powerville Rd	618	N of Valley Rd	-	-	4,485	-	-	-	4,296	-	-	-	-	8:00am	378	107	271	5:00pm	556	378	178	NorthSouth	4/27/2015	4/29/2015
Boonton Township	Powerville Rd	618	N of W Main St	-	9,848	-	-	-	10,019		-	-	-	-	7:00am	914	686	227	5:00pm	886	302	583	NorthSouth	6/2/2014	6/5/2014
Boonton Township	Powerville Rd	618	S of Old Denville Rd	-	-	-	9,002	-	-	-	8,896	-	-	-	7:00am	756	203	553	5:00pm	894	561	333	NorthSouth	4/27/2016	4/29/2016
Butler Borough	Boonton Ave	511	B/W Cutlass Rd and NJ 23	-	-	-	8,839	-	-	-	-	9,813	-	-	8:00am	712	279	433	5:00pm	908	428	479	NorthSouth	5/30/2017	6/2/2017
Butler Borough	Boonton Ave	511	B/W NJ 23 and Valley Rd	-	5,581	-	-	8,321	-	-	5,771	-	-	-	7:00am	478	407	71	5:00pm	461	261	200	NorthSouth	5/11/2016	5/13/2016
Butler Borough	Kiel Ave	618	B/W NJ 23 and Roosevelt Ave	11,325		-	-	12,825		-	6,129	-	-	-	7:00am	332	206	125	5:00pm	534	317	217	EastWest	5/11/2016	5/13/2016
Butler Borough	Main St	Mun	B/W Arch St and Hamburg Tpke	-	-	-	17,881		-	-	-	-	-	-	8:00am	1,515	869	646	5:00pm	1,779	883	896	NorthSouth	4/16/2012	4/19/2012
Chatham Borough	Chatham St	Mun	B/W Lum Ave and Fairmount Ave	-	-	-	2,346	-	-	-	-	-	-	-	7:00am	218	69	148	2:00pm	229	98	131	EastWest	4/12/2011	4/15/2011
Chatham Borough	Fairmount Ave	638	B/W Watchung Ave and Chatham St	-	-	-	10,265		-	-	8,453	-	-	-	8:00am	797	582	215	5:00pm	718	351	367	NorthSouth	9/21/2016	9/23/2016
Chatham Borough	Fairmount Ave	638	S of Watchung Ave	-	-	-	9,891	-	-	9,729	-	-	-	8,368	8:00am	754	288	466	5:00pm	711	428	283	NorthSouth	11/12/2019	11/14/2019
Chatham Borough	N Passiac Ave	607	B/W Main St and Weston Ave	-	-	-	9,535	-	-	-	5,300	-	-	-	8:00am	379	181	197	5:00pm	427	213	214	NorthSouth	9/21/2016	9/23/2016
Chatham Borough	Summit Ave	Mun	B/W Vine St and Myrtle Ave	-	-	-	3,508	-	-	-	-	-	-	-	8:00am	283	193	90	5:00pm	278	186	92	NorthSouth	11/13/2012	11/15/2012
Chatham Borough	Watchung Ave	646	B/W Fairmount Ave and River Rd	-	-	-	20,129		-	12,856		-	-	11,561		889	454	435	3:00pm	940	491	449	EastWest	11/12/2019	11/14/2019
Chatham Borough	Watchung Ave	646	W of Fairmount Ave	12,818		-	-	-	-	-	11,589		-	-	8:00am	1,095	564	531	5:00pm	1,075	506	569	EastWest	11/28/2016	12/1/2016

8:00am

Morris County Traffic Count Program Summary

Municipality	Road Name	Number	Location												AM Peak Hour Volume				PM Peak Hour Volume				Road Direction	Dates	
				2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Peak Hour	Vol	N or E	S or W	Peak Hour	Vol	N or E	S or W		Start	End
Chatham Borough	Weston Ave	Mun	E of N Passaic Ave	-	-	-	3,783	-	-	-	-	-	-	-	8:00am	357	148	209	5:00pm	412	166	246	EastWest	11/28/2012	12/3/2012
Chatham Borough	Weston Ave	Mun	W of N Passaic Ave	-	-	-	3,458	-	-	-	-	-	-	-	8:00am	303	130	173	5:00pm	359	121	238	EastWest	11/14/2012	11/20/2012
Chatham Township	Bridge Ave	Mun	B/W County Border and River Rd	-	-	-	-	4,930	-	-	-	-	-	-	8:00am	441	245	195	5:00pm	529	265	264	NorthSouth	9/16/2013	9/19/2013
Chatham Township	Fairmount Ave	638	S of Southern Blvd	-	-	-	-	9,942	-	-	8,604	-	-	-	8:00am	915	591	324	5:00pm	671	276	395	NorthSouth	11/28/2016	12/1/2016
Chatham Township	Green Village Rd	646	B/W Meyersville Rd and Britten Rd	-	6,084	-	-	-	6,138	-	-	-	-	6,384	8:00am	593	336	257	5:00pm	623	257	366	EastWest	4/30/2019	5/2/2019
Chatham Township	Loantaka Way	636	B/W Spring Valley Rd and Shunpike Rd	-	6,749	-	-	7,736	-	-	-	8,324	-	-	8:00am	885	500	385	5:00pm	980	412	568	EastWest	9/25/2017	9/29/2017
Chatham Township	Meyersville Rd	638	S of Fairmount Ave	-	4,078	-	-	-	4,002	-	-	-	3,899	-	8:00am	359	213	146	5:00pm	375	142	233	NorthSouth	10/2/2018	10/4/2018
Chatham Township	Passaic St	647	S of River Rd	11,083		-	-	-	-	12,416		-	-	-	8:00am	1,047	443	604	5:00pm	1,165	638	527	NorthSouth	5/12/2015	5/15/2015
Chatham Township	River Rd	647	S of Southern Blvd	-	-	-	-	-	-	-	-	-	-	16,567		1,199	804	395	5:00pm	1,716	604	1,112	NorthSouth	6/4/2019	6/6/2019
Chatham Township	Shunpike Rd	628	B/W Green Village Rd and Southern Blvd	- -	-	-	-	-	-	13,567		-	-	-	8:00am	1,285	649	636	5:00pm	1,314	622	692	EastWest	10/13/2015	10/15/2015
Chatham Township	Shunpike Rd	628	S of Loantaka Way	-	9,594	-	-	8,353	-	-	-	-	-	7:00am 10,708		1,056	667	389	5:00pm	1,060	374	686	NorthSouth	4/30/2019	5/2/2019
Chatham Township	Shunpike Rd	646	B/W Noe Ave and Lafayette Ave	-	-	-	-	11,468	-	-	-	11,357		-	8:00am	1,039	458	581	5:00pm	1,127	586	541	EastWest	9/25/2017	9/29/2017
Chatham Township	Shunpike Rd	646	B/W Rolling Hill Ct and Ferndale Rd	-	11,009		-	-	-	11,031		-	-	8:00am	8:00am	1,096	621	475	5:00pm	1,089	541	548	EastWest	10/13/2015	10/15/2015
Chatham Township	Southern Blvd	647	B/W Lafayette Ave and Fairmount Ave	-	14,600		-	12,606		-	-	13,884		-	8:00am	1,383	904	479	3:00pm	1,148	546	602	NorthSouth	9/25/2017	9/29/2017
Chatham Township	Southern Blvd	647	N of Noe Ave	-	-	-	11,288		-	-	-	-	-	-	8:00am	1,210	796	413	5:00pm	1,099	434	665	NorthSouth	12/7/2012	12/12/2012
Chatham Township	Southern Blvd	647	S of Hickory Pl	-	-	-	-	-	-	-	9,732	-	-	-	8:00am	889	296	593	5:00pm	936	553	383	NorthSouth	4/13/2016	4/15/2016
Chatham Township	Woodland Rd	Mun	B/W Dodge Dr and Treadwell Ave	-	5,834	-	-	-	6,282	-	-	-	-	-	8:00am	660	332	328	5:00pm	706	259	446	NorthSouth	4/25/2014	4/30/2014
Chester Borough	Main St	513	B/W Crystal Lake Dr and E Main St	-	-	-	15,464		-	-	16,681		-	-	8:00am	1,285	814	471	4:00pm	1,364	594	769	EastWest	10/5/2016	10/7/2016
Chester Borough	Main St	513	B/W US 206 and Hillside Rd	-	-	16,111		-	16,922		-	-	-	-	8:00am	1,274	472	801	4:00pm	1,317	757	560	NorthSouth	9/24/2014	9/29/2014
Chester Borough	Mendham Rd	510	W of Colby Farm Rd	-	-	13,594	-	-	-	12,719	-	-	-	11,456		1,011	345	666	5:00pm	1,226	857	369	EastWest	10/29/2019	10/31/2019
Chester Borough	W Main St	513	W of Mill Ridge Ln	-	-	16,316		-	-	-	-	17,834		-	8:00am	1,313	985	327	5:00pm	1,598	481	1,116	NorthSouth	5/1/2017	5/5/2017
Chester Township	Larison Rd	Mun	B/W Hillside Rd and Pleasant Hill Rd	-	-	-	-	-	406	-	-	-	-	8:00am	7:00am	31	15	15	5:00pm	45	29	16	EastWest	9/24/2014	9/30/2014
Chester Township	Mendham Rd	510	W of Oak Knoll Rd	-	10,007	-	-	-	13,424		-	-	-	-	8:00am	1,146	832	314	5:00pm	1,272	371	900	EastWest	11/21/2014	11/25/2014
Chester Township	North Rd	513	S of Ironia Rd	7,869	-	-	-	6,958	-	-	9,097	-	-	-	8:00am	713	371	342	5:00pm	782	423	359	NorthSouth	6/14/2016	6/17/2016
Chester Township	North Rd	513	S of South Rd	-	-	-	9,603	-	-	10,703		-	-	8,530	8:00am	736	355	381	4:00pm	755	391	364	NorthSouth	10/29/2019	10/31/2019
Chester Township	Old Chester Gladstone Rd	Mun	B/W Saint Bernards Rd and Stanley Pl	-	-	2,978	-	-	-	-	-	-	-	-	7:00am	400	353	46	5:00pm	307	67	240	NorthSouth	10/14/2011	10/19/2011



DOLAN & DEAN
CONSULTING ENGINEERS, LLC

CLIENT

BNE

PROJECT

19017

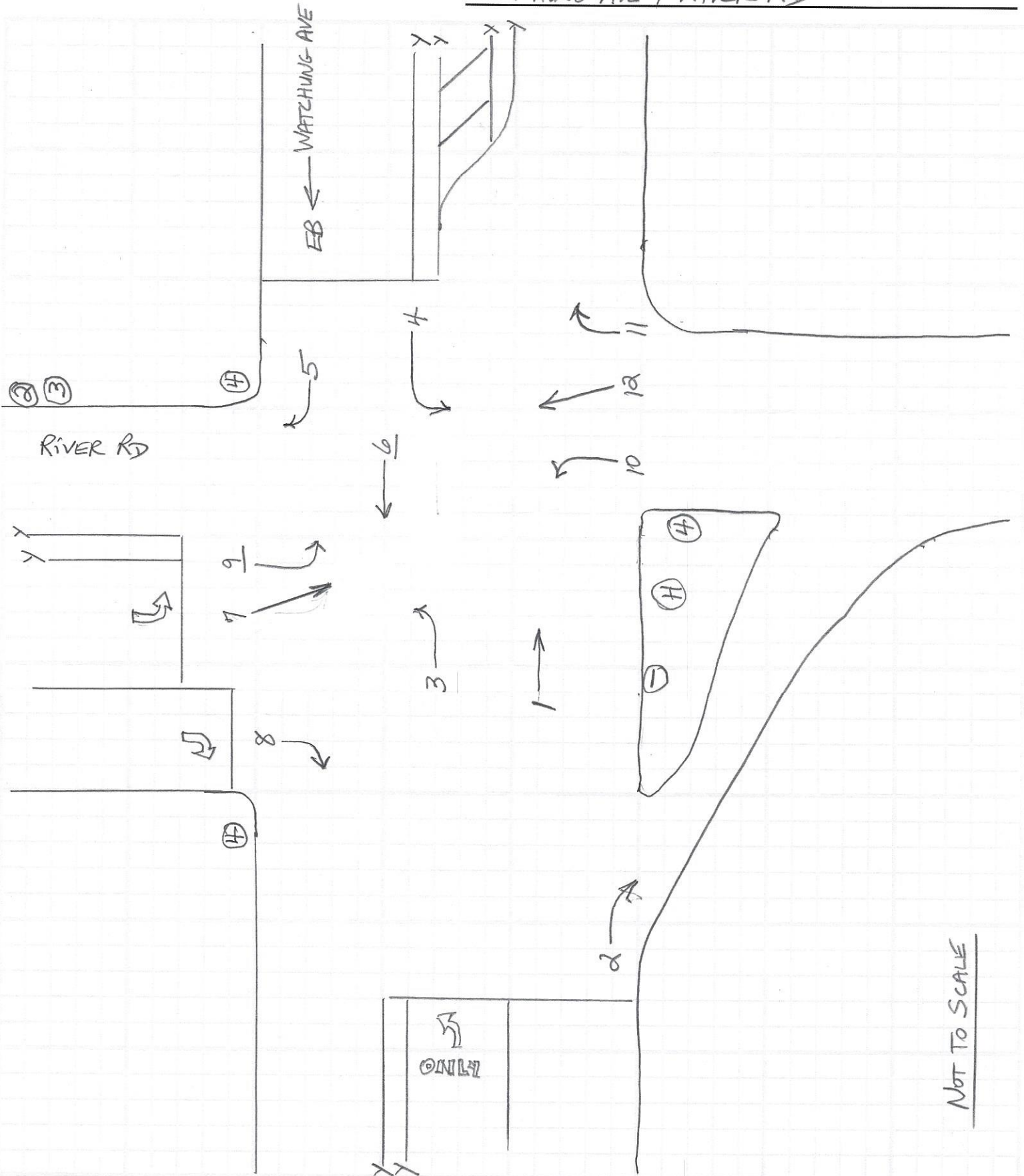
DATE

12/17/19

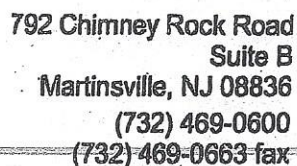
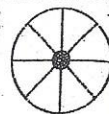
SUBJECT

KENDONATELLI

WATCHUNG AVE & RIVER RD



INDICATE
NORTH
BY
ARROW

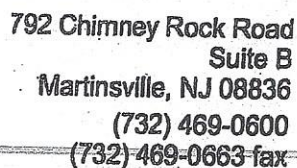
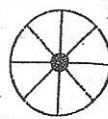


TIME from 7⁰⁰a to 9⁰⁰a S M T W T F S
(CIRCLE DAY)

SKETCH SURVEY AREA (INCLUDE LANDMARKS)

[illegible]

INDICATE
NORTH
BY
ARROW



A

RIVER RD

(B)

EB ← WATCHUNG AVE.

MUNICIPALITY: CHATHAM

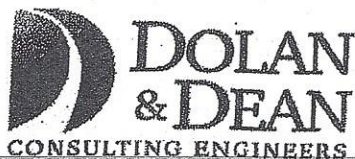
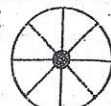
TIME from 7⁰⁰a to 9⁰⁰a

S M T W T F S
(CIRCLE DAY)

SKETCH SURVEY AREA (INCLUDE LANDMARKS)

[illegible]

INDICATE
NORTH
BY
ARROW



**792 Chimney Rock Road
Suite B
Martinsville, NJ 08836
(732) 469-0600
(732) 469-0663 fax**

INTERSECTION: WATCHUNG AVE & RIVER RD

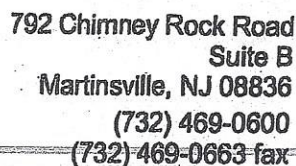
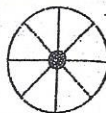
COUNT BY: K. DONATELLI DATE: 12/17/19

TIME from 4⁰⁰ to 6⁰⁰ S M T W T F S
(CIRCLE DAY)

SKETCH SURVEY AREA (INCLUDE LANDMARKS)

[illegible]

INDICATE
NORTH
BY
ARROW



TIME from 4:00 P to 6:00 P S 0 M 0 T 0 W 0 T 0 F 0 S
(CIRCLE DAY)

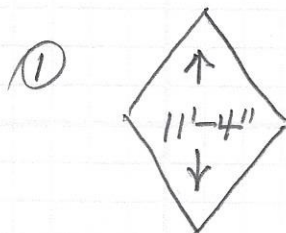
SKETCH SURVEY AREA (INCLUDE LANDMARKS)

[illegible]

(6)

CLIENT BNE PROJECT 19017
DATE 12/17/19 SUBJECT KEN DONATELLI
WATCHUNG AVE & RIVER RD

SIGN LEGEND



② NO PARKING ANY TIME

③ LOW BRIDGE AHEAD
12'-0"

④ PUSH BUTTON TO CROSS

④ HYDRANT

NOTES

- BUSES INCLUDED IN TRUCK COUNT
- COLUMN MARKED AS U-TURN INDICATES VEH GOING WEST ON WATCHUNG AVE MAKES RIGHT TURN FOR LUMBER YARD, MOVEMENT #2, BUT DOESN'T ENTER LUMBER YARD. VEH THEN MAKES LEFT ONTO WATCHUNG AVE EAST BOUND, MOVEMENT #10, OR STRAIGHT TO RIVER RD SOUTH BOUND, MOVEMENT #12. THESE VEH ARE COUNTED IN MOVEMENTS #2, 10 & 12.
- 12/19/19; FROM APPROX 7:20a WATCHUNG AVE EB TRAFFIC WOULD BACK TO RIVER RD AND INTERFERE WITH TRAFFIC FLOW. WHEN THIS OCCURRED ISSUE WAS RELATIVELY SHORT LIVED.

Tuesday, December 17, 2019 from 4:00 to 6:00 Pm

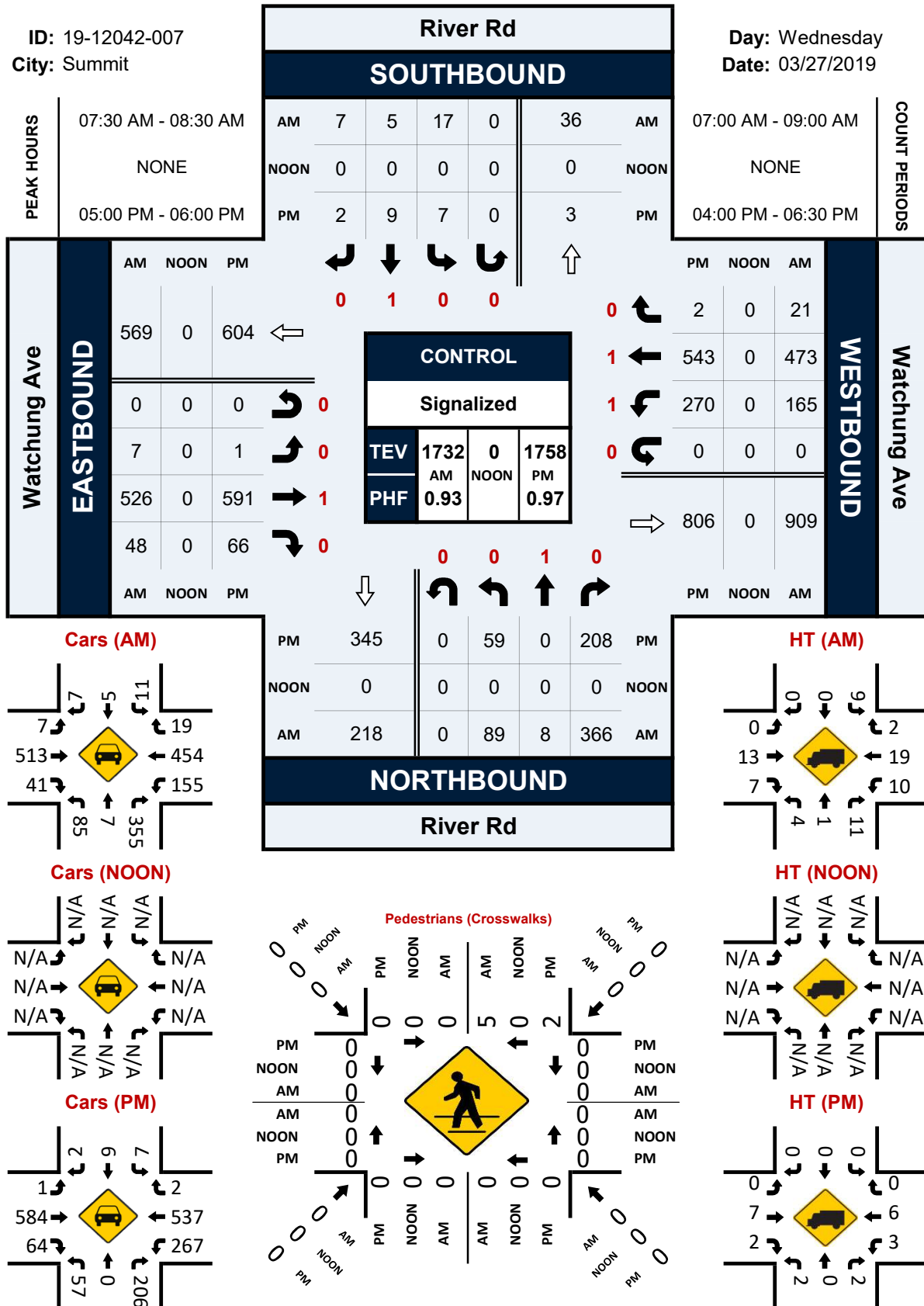
[illegible][illegible]

River Rd & Watchung Ave

Peak Hour Turning Movement Count

ID: 19-12042-007
City: Summit

Day: Wednesday
Date: 03/27/2019

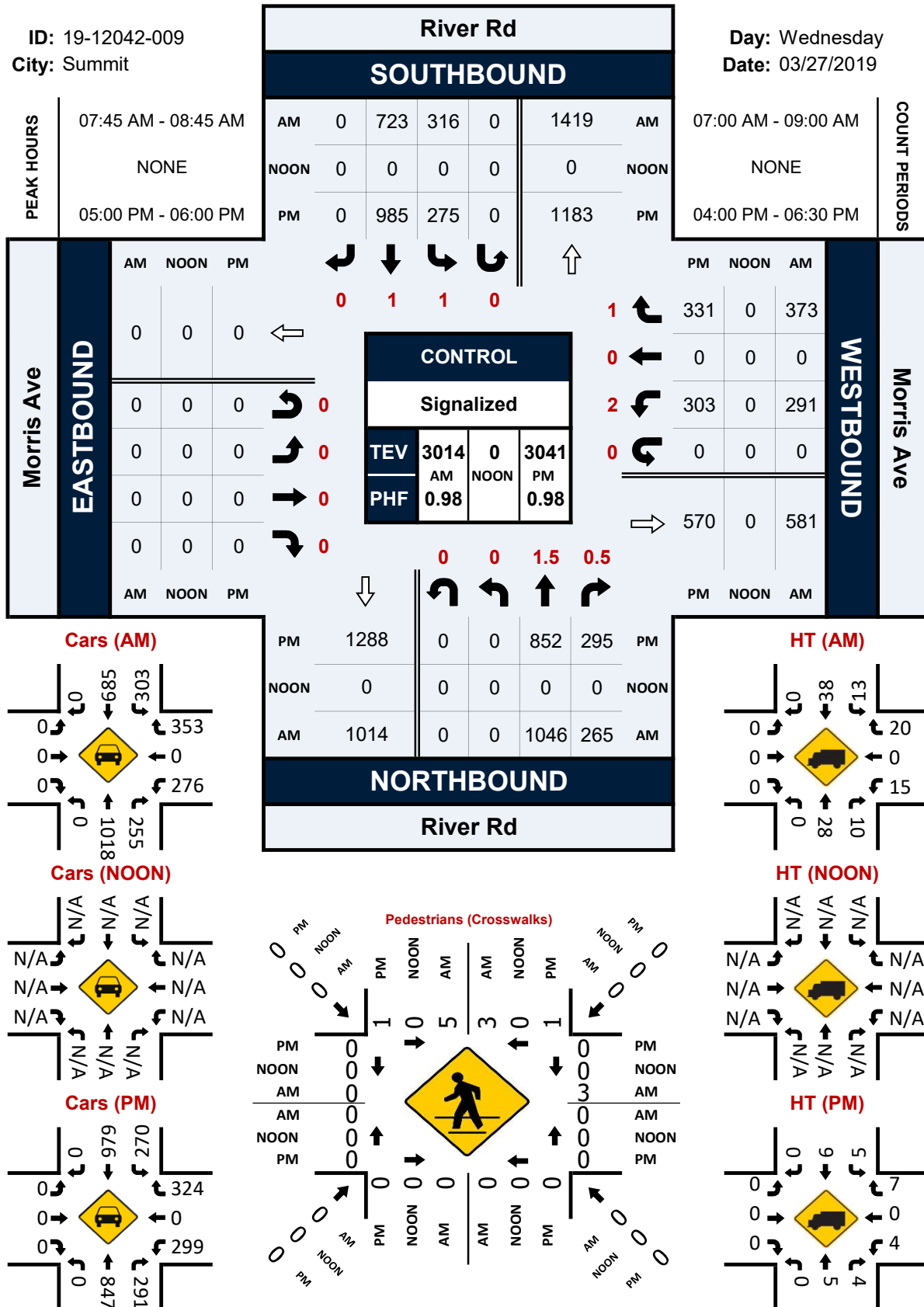


River Rd & Morris Ave

Peak Hour Turning Movement Count

ID: 19-12042-009
City: Summit

Day: Wednesday
Date: 03/27/2019

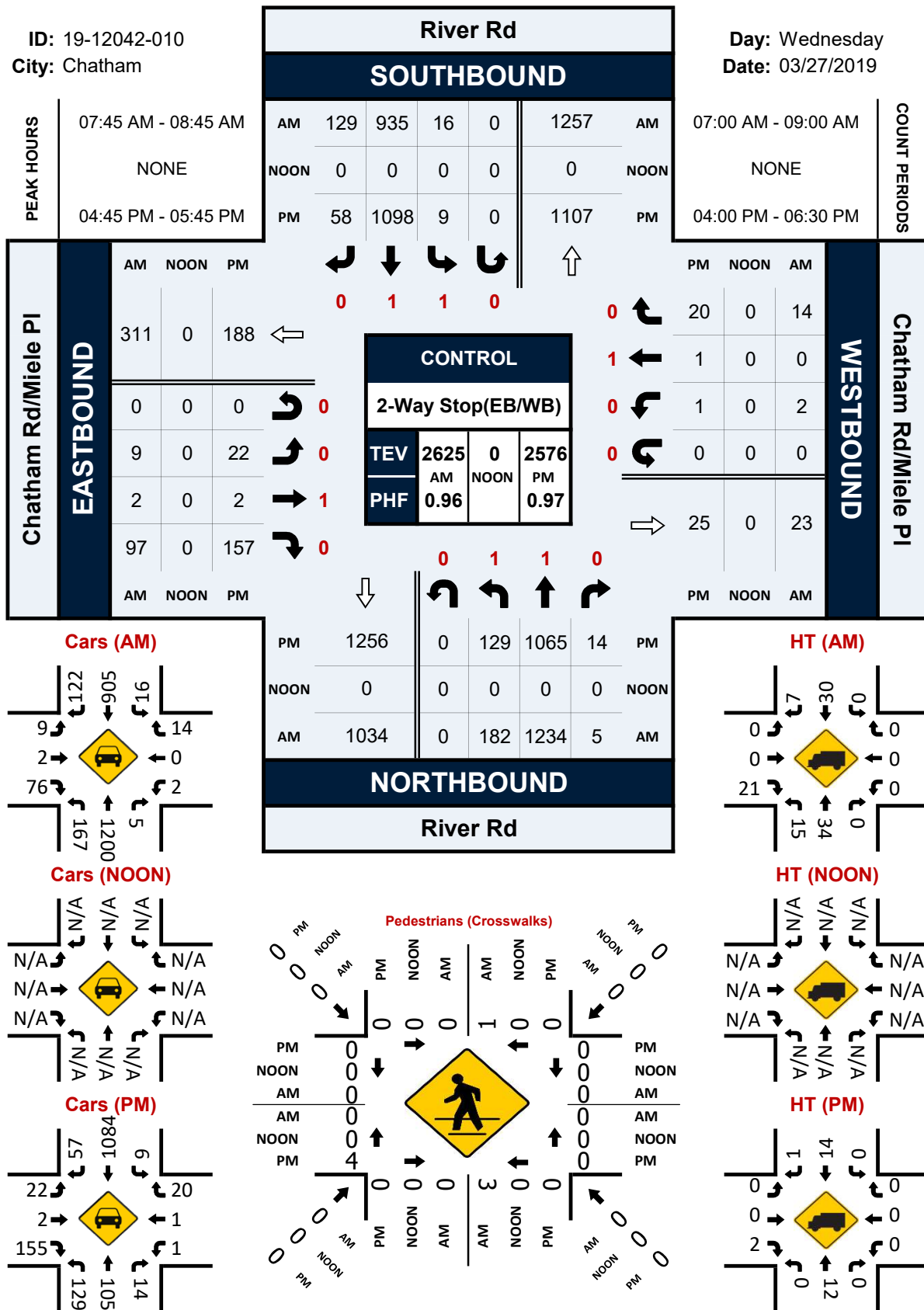


River Rd & Chatham Rd/Miele Pl

Peak Hour Turning Movement Count

ID: 19-12042-010
City: Chatham

Day: Wednesday
Date: 03/27/2019

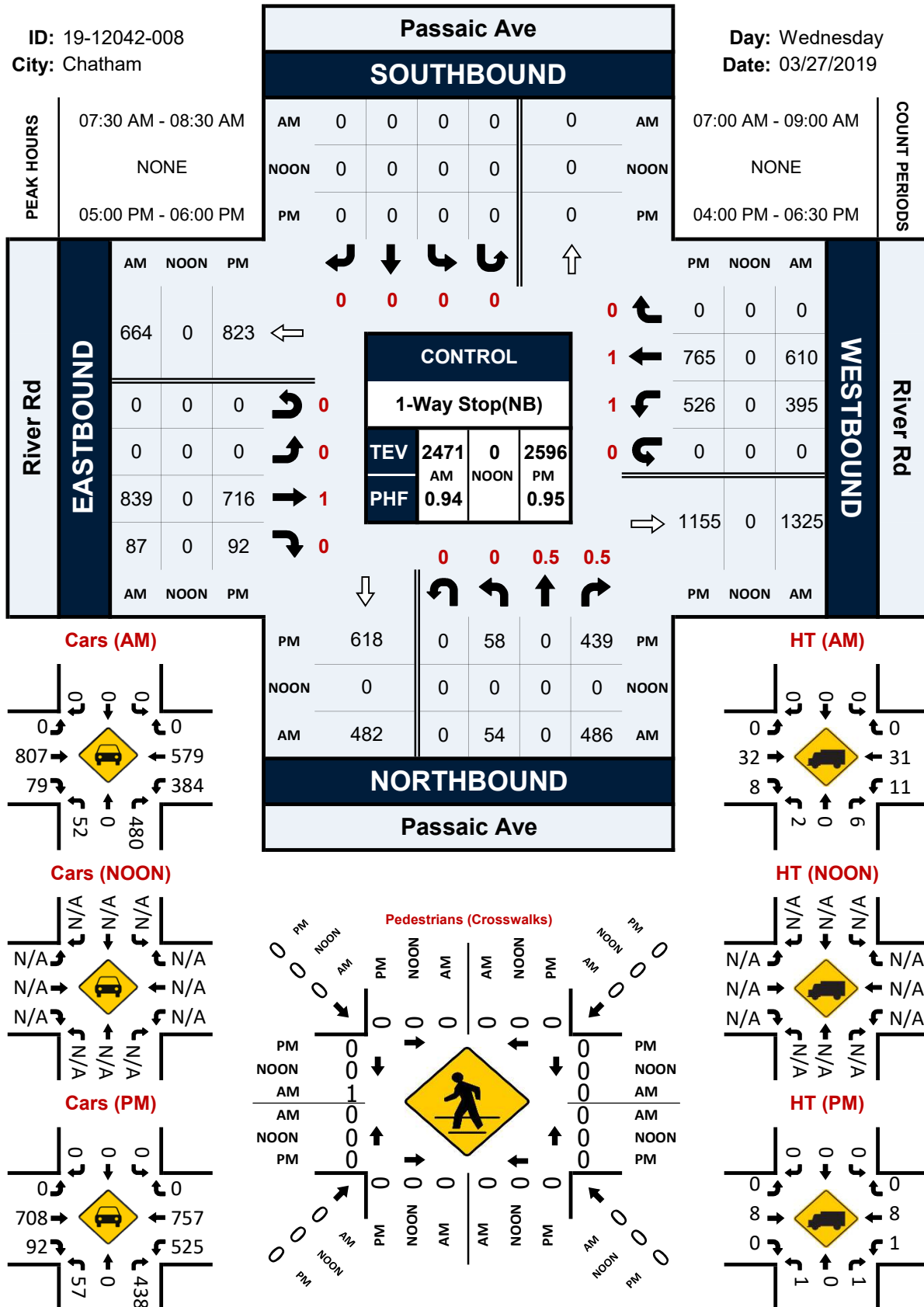


Passaic Ave & River Rd

Peak Hour Turning Movement Count

ID: 19-12042-008
City: Chatham

Day: Wednesday
Date: 03/27/2019

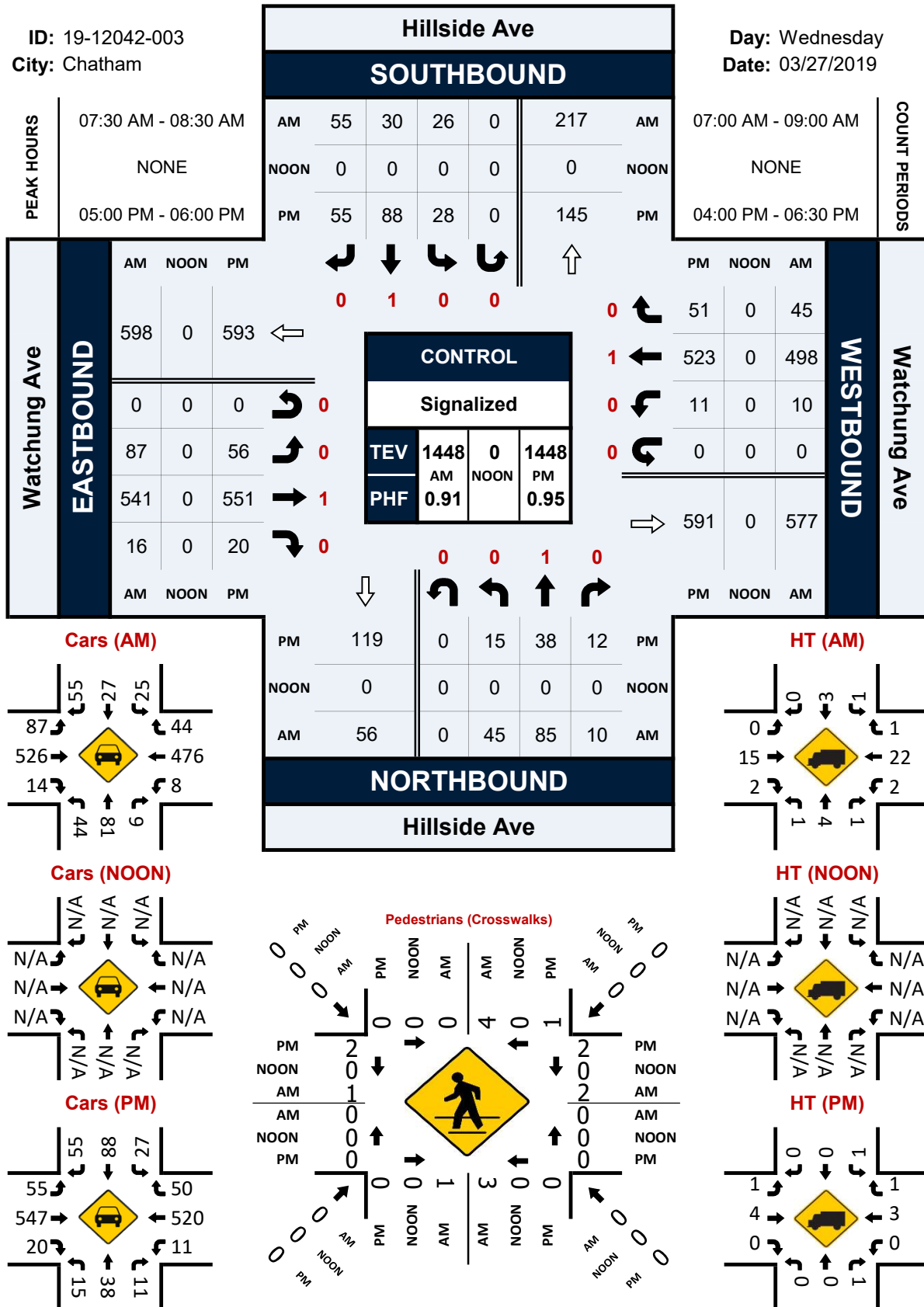


Hillside Ave & Watchung Ave

Peak Hour Turning Movement Count

ID: 19-12042-003
City: Chatham

Day: Wednesday
Date: 03/27/2019

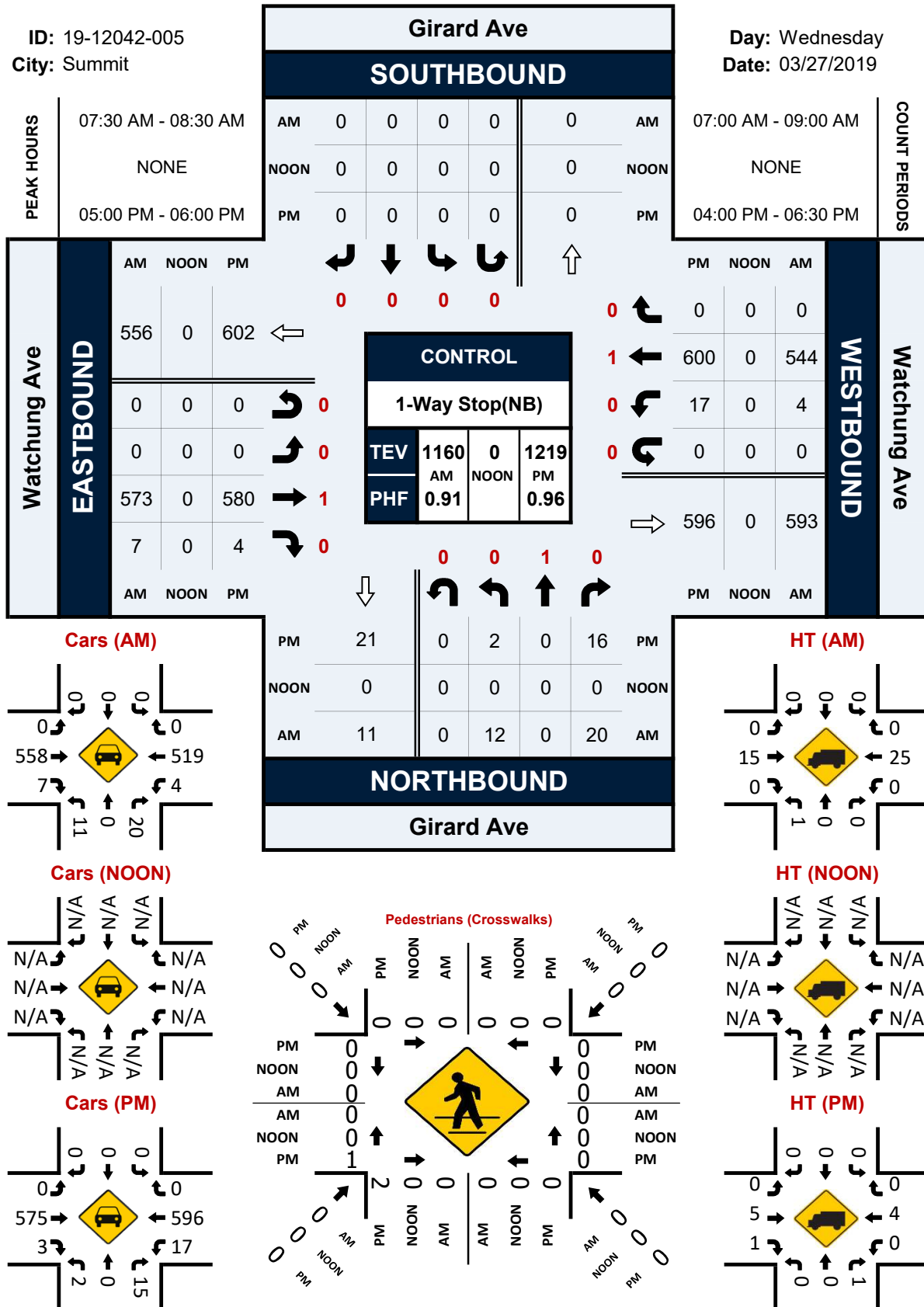


Girard Ave & Watchung Ave

Peak Hour Turning Movement Count

ID: 19-12042-005
City: Summit

Day: Wednesday
Date: 03/27/2019

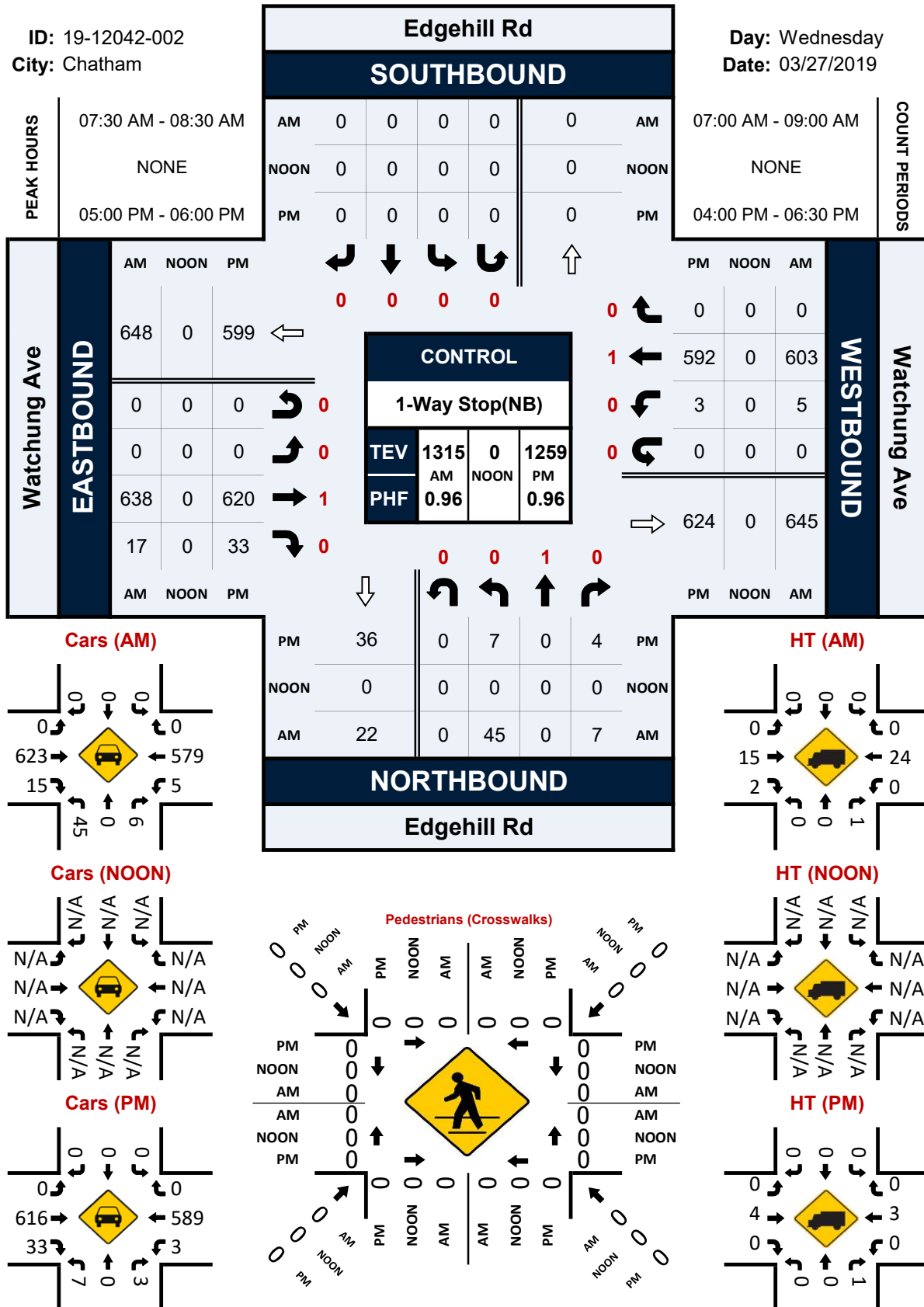


Edgehill Rd & Watchung Ave

Peak Hour Turning Movement Count

ID: 19-12042-002
City: Chatham

Day: Wednesday
Date: 03/27/2019

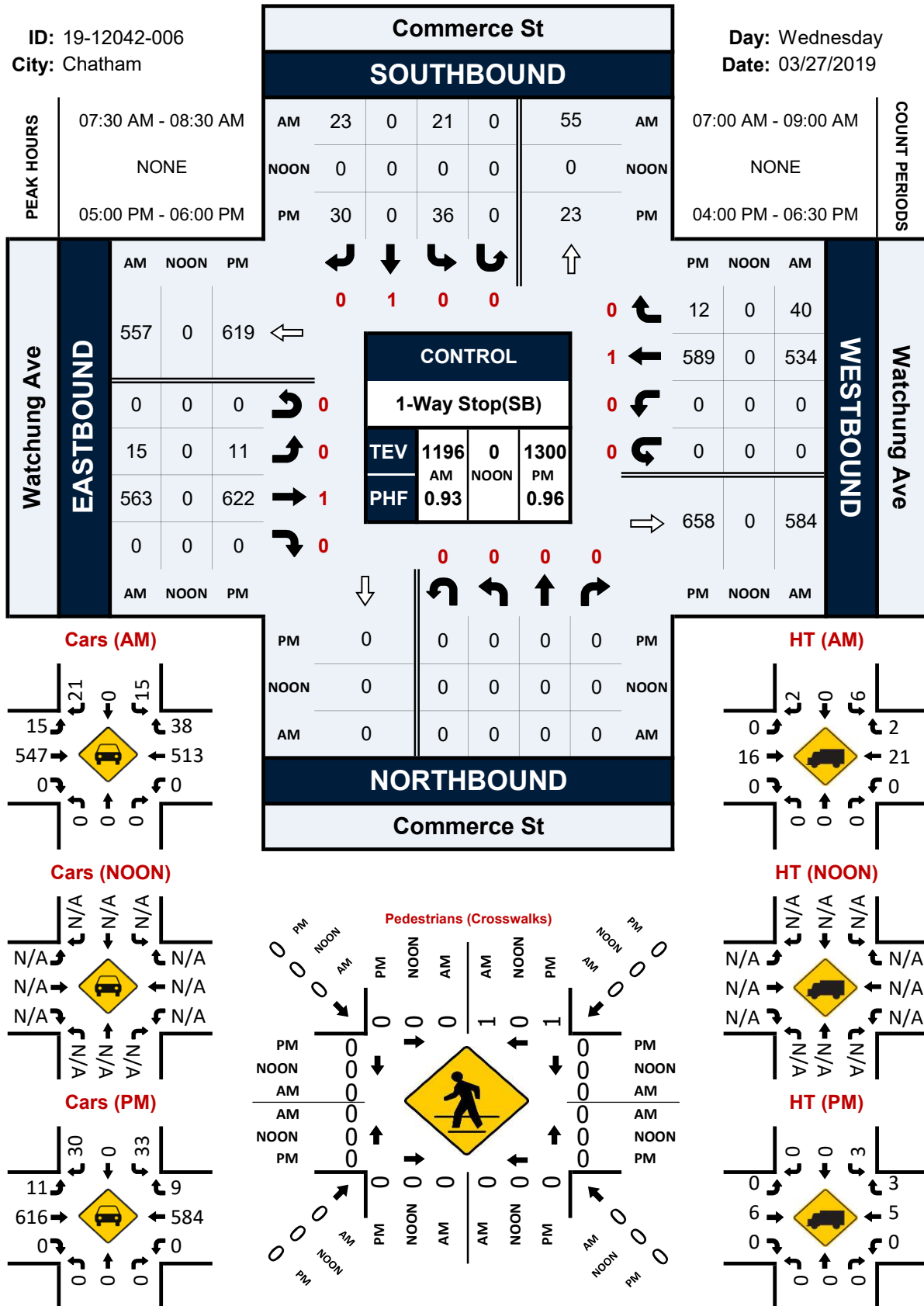


Commerce St & Watchung Ave

Peak Hour Turning Movement Count

ID: 19-12042-006
City: Chatham

Day: Wednesday
Date: 03/27/2019

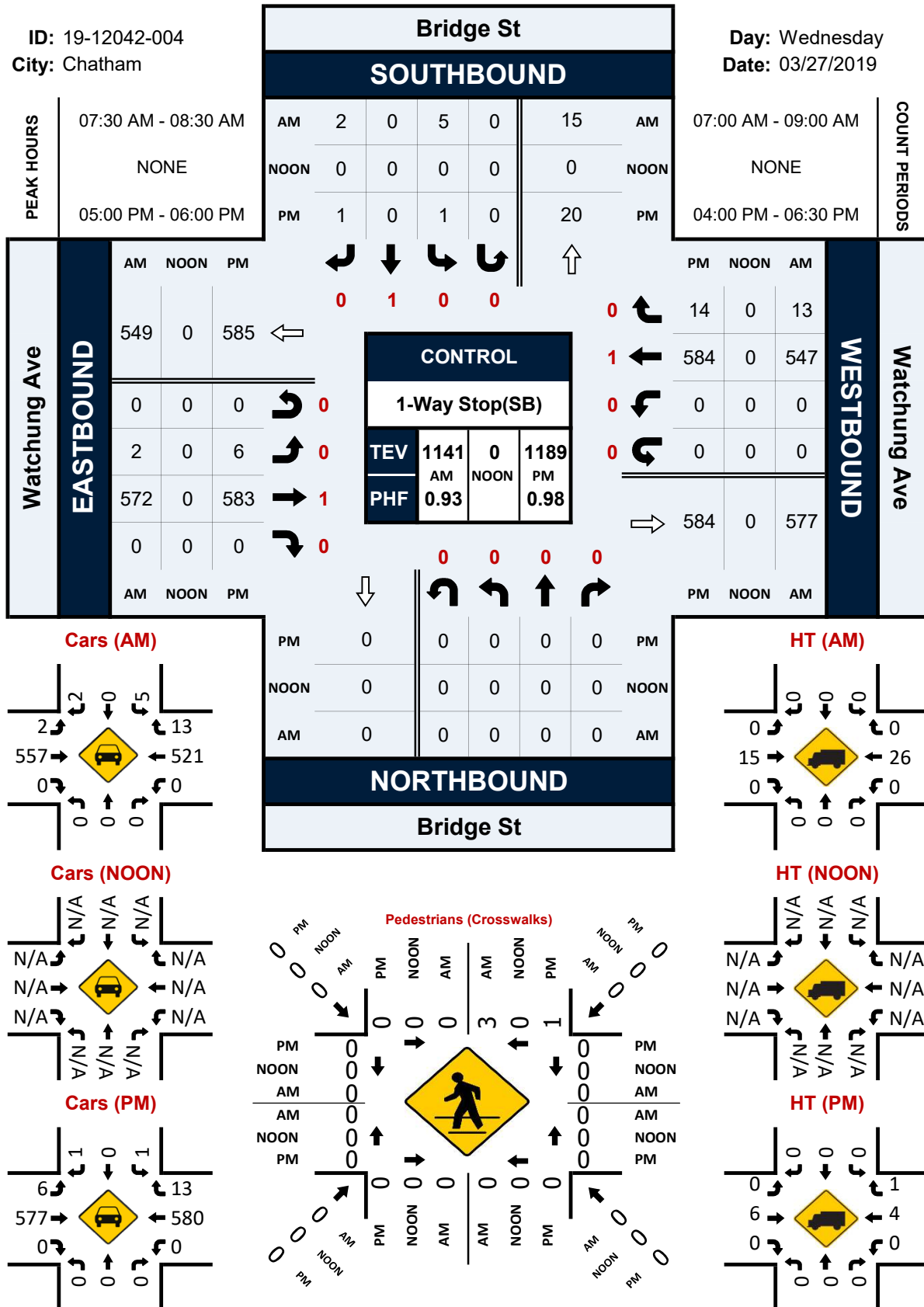


Bridge St & Watchung Ave

Peak Hour Turning Movement Count

ID: 19-12042-004
City: Chatham

Day: Wednesday
Date: 03/27/2019



New Jersey Department of Transportation

Short-term Hourly Traffic Volume for 01/14/2019 to 01/16/2019

Site names: n18290,River Road 0.05,14041124__
 County: MORRIS
 Funct Class: Urban Major Collector
 Location: Bet Perrin St and CO 646 Watchung Ave

Seasonal Factor Grp: rg1_5U
 Daily Factor Grp: rg1_5U
 Axle Factor Grp: rg1_5U
 Growth Factor Grp: rg1_5U

	Sun, Jan 13, 2019			Mon, Jan 14, 2019			Tue, Jan 15, 2019			Wed, Jan 16, 2019			Thu, Jan 17, 2019			Fri, Jan 18, 2019			Sat, Jan 19, 2019		
	Road	E	W	Road	E	W	Road	E	W	Road	E	W	Road	E	W	Road	E	W	Road	E	W
00:00							42	25	17	33	16	17									
01:00							29	15	14	13	9	4									
02:00							8	5	3	11	6	5									
03:00							6	4	2	8	6	2									
04:00							27	14	13	28	19	9									
05:00							89	58	31	98	59	39									
06:00							284	176	108	294	179	115									
07:00							603	419	184	524	368	156									
08:00							726	514	212	630	435	195									
09:00							495	301	194	487	288	199									
10:00							411	227	184	419	236	183									
11:00							455	239	216	437	243	194									
12:00				470	257	213	505	304	201												
13:00				468	228	240	473	254	219												
14:00				503	265	238	512	293	219												
15:00				529	277	252	580	286	294												
16:00				565	257	308	629	280	349												
17:00				656	235	421	665	246	419												
18:00				503	176	327	542	192	350												
19:00				354	147	207	351	153	198												
20:00				228	94	134	240	82	158												
21:00				149	48	101	170	65	105												
22:00				106	36	70	93	36	57												
23:00				42	17	25	42	24	18												
Total				4,573	2,037	2,536	7,977	4,212	3,765	2,982	1,864	1,118									
AM Peak Vol							726	514	218	682	464	220									
AM Peak Fct							.945	.945	.838	.917	.879	.965									
AM Peak Hr							8: 00	8: 00	7: 45	7: 45	7: 45	9: 15									
PM Peak Vol				656	285	421	669	311	419												
PM Peak Fct				.953	.819	.884	.94	.904	.935												
PM Peak Hr				17: 00	15: 15	17: 00	16: 45	15: 30	17: 00												
Seasonal Fct				1.037	1.037	1.037	1.037	1.037	1.037	1.037	1.037	1.037									
Daily Fct				.905	.905	.905	.892	.892	.892	.912	.912	.912									
Axle Fct				.494	.494	.494	.494	.494	.494	.494	.494	.494									
Pulse Fct				2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000									

New Jersey Department of Transportation

Daily Volume from 04/17/2017 through 04/23/2017

Site Names: 111456, , Watchung Avenue-12.08, 14000646__, Chatham Boro
 County: MORRIS
 Funct. Urban Minor Arterial
 Location: Bet Lafayette Ave and Washington Ave

Seasonal Factor Group: RG1_FC16
 Daily Factor Group: RG1_FC16
 Axle Factor Group: RG1_FC16
 Growth Factor Group: RG1_FC16

	Sun 04/16/2017			Mon 04/17/2017			Tue 04/18/2017			Wed 04/19/2017			Thu 04/20/2017			Fri 04/21/2017			Sat 04/22/2017		
	ROAD	W	E	ROAD	W	E	ROAD	W	E	ROAD	W	E	ROAD	W	E	ROAD	W	E	ROAD	W	E
00:00				10	8	2	10	7	3	18	7	11	19	12	7	48	28	20	56	28	28
01:00				9	5	4	7	4	3	9	5	4	16	9	7	17	8	9	26	15	11
02:00				6	4	2	3	1	2	7	5	2	4	2	2	10	8	2	16	8	8
03:00				8	7	1	9	5	4	10	7	3	12	6	6	9	4	5	5	3	2
04:00				34	15	19	37	17	20	27	15	12	31	15	16	31	17	14	14	11	3
05:00				115	35	80	131	45	86	124	49	75	126	50	76	85	37	48	46	25	21
06:00				372	166	206	385	177	208	361	176	185	334	167	167	313	131	182	138	75	63
07:00				1,079	566	513	1,086	602	484	1,057	589	468	1,065	571	494	954	472	482	353	179	174
08:00				1,120	606	514	1,181	671	510	1,149	605	544	1,235	710	525	1,110	592	518	717	395	322
09:00				749	388	361	812	423	389	805	434	371	811	442	369	778	416	362	819	459	360
10:00				660	319	341	672	340	332	666	315	351	653	311	342	700	361	339	948	464	484
11:00				715	362	353	673	349	324	743	383	360	756	378	378	674	344	330	1,002	487	515
12:00				750	360	390	792	388	404	797	438	359	800	445	355	742	380	362	973	461	512
13:00				784	386	398	752	365	387	741	376	365	763	399	364	736	366	370	955	433	522
14:00				897	432	465	910	472	438	875	455	420	888	450	438	961	493	468	830	406	424
15:00				982	491	491	1,077	552	525	1,060	568	492	1,136	577	559	1,102	575	527	796	399	397
16:00				1,084	584	500	1,152	630	522	1,156	633	523	1,208	648	560	1,115	580	535	815	451	364
17:00				1,137	550	587	1,243	635	608	1,232	653	579	1,163	583	580	1,178	578	600	716	333	383
18:00				910	484	426	1,101	556	545	1,006	520	486	970	506	464	885	428	457	653	261	392
19:00				578	285	293	654	345	309	608	330	278	621	353	268	595	307	288	505	216	289
20:00				324	149	175	367	197	170	364	191	173	356	189	167	364	197	167	274	137	137
21:00				249	145	104	259	151	108	239	133	106	292	165	127	333	191	142	214	119	95
22:00				89	47	42	129	71	58	107	72	35	134	68	66	211	104	107	191	104	87
23:00				45	23	22	53	25	28	63	39	24	66	33	33	105	46	59	136	76	60
Volume				12,706	6,417	6,289	13,495	7,028	6,467	13,224	6,998	6,226	13,459	7,089	6,370	13,056	6,663	6,393	11,198	5,545	5,653
AM Peak Vol				1,238	690	548	1,233	691	542	1,226	676	563	1,297	749	560	1,173	608	565	1,002	491	519
AM Peak Fct				0.93	0.96	0.89	0.92	0.95	0.87	0.92	0.89	0.91	0.96	0.96	0.92	0.97	0.93	0.88	0.89	0.82	0.93
AM Peak Hr				7:30	7:30	7:30	7:45	7:30	7:45	7:30	7:30	7:45	7:45	7:45	7:30	7:45	7:45	7:45	11:00	9:45	10:30
PM Peak Vol				1,150	593	611	1,280	635	654	1,253	654	611	1,231	662	581	1,178	606	600	974	461	541
PM Peak Fct				0.92	0.95	0.85	0.96	0.97	0.96	0.91	0.91	0.93	0.92	0.96	0.90	0.96	0.98	0.94	0.95	0.80	0.97
PM Peak Hr				17:15	16:15	17:15	17:30	17:00	17:30	17:15	16:30	17:15	16:15	16:30	17:00	15:45	17:00	12:45	12:00	12:45	
Seasonal Fct				0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961	0.961
Daily Fct				1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Axle Fct				0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494
Pulse Fct				2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

New Jersey Department of Transportation

Daily Volume from 04/17/2017 through 04/23/2017

Site Names: 111456, , Watchung Avenue-12.08, 14000646__, Chatham Boro
 County: MORRIS
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 Location: Bet Lafayette Ave and Washington Ave

Seasonal Factor Group: RG1_FC16
 Daily Factor Group: RG1_FC16
 Axle Factor Group: RG1_FC16
 Growth Factor Group: RG1_FC16

	Sun 04/23/2017			Mon 04/24/2017			Tue 04/25/2017			Wed 04/26/2017			Thu 04/27/2017			Fri 04/28/2017			Sat 04/29/2017		
	ROAD	W	E	ROAD	W	E	ROAD	W	E	ROAD	W	E	ROAD	W	E	ROAD	W	E	ROAD	W	E
00:00	63	34	29																		
01:00	27	13	14																		
02:00	15	8	7																		
03:00	3	2	1																		
04:00	13	5	8																		
05:00	24	16	8																		
06:00	84	41	43																		
07:00	153	66	87																		
08:00	330	170	160																		
09:00	495	283	212																		
10:00	616	299	317																		
11:00	705	342	363																		
12:00	768	367	401																		
13:00	763	382	381																		
14:00	764	376	388																		
15:00	698	344	354																		
16:00	648	357	291																		
17:00	539	257	282																		
18:00	446	215	231																		
19:00	317	153	164																		
20:00	240	114	126																		
21:00	130	77	53																		
22:00	63	39	24																		
23:00	25	12	13																		
Volume	7,929	3,972	3,957																		
AM Peak Vol	705	342	363																		
AM Peak Fct	0.94	0.96	0.89																		
AM Peak Hr	11:00	11:00	11:00																		
PM Peak Vol	776	392	411																		
PM Peak Fct	0.91	0.88	0.84																		
PM Peak Hr	12:30	13:15	12:15																		
Seasonal Fct	0.961	0.961	0.961																		
Daily Fct	1.000	1.000	1.000																		
Axle Fct	0.494	0.494	0.494																		
Pulse Fct	2.000	2.000	2.000																		

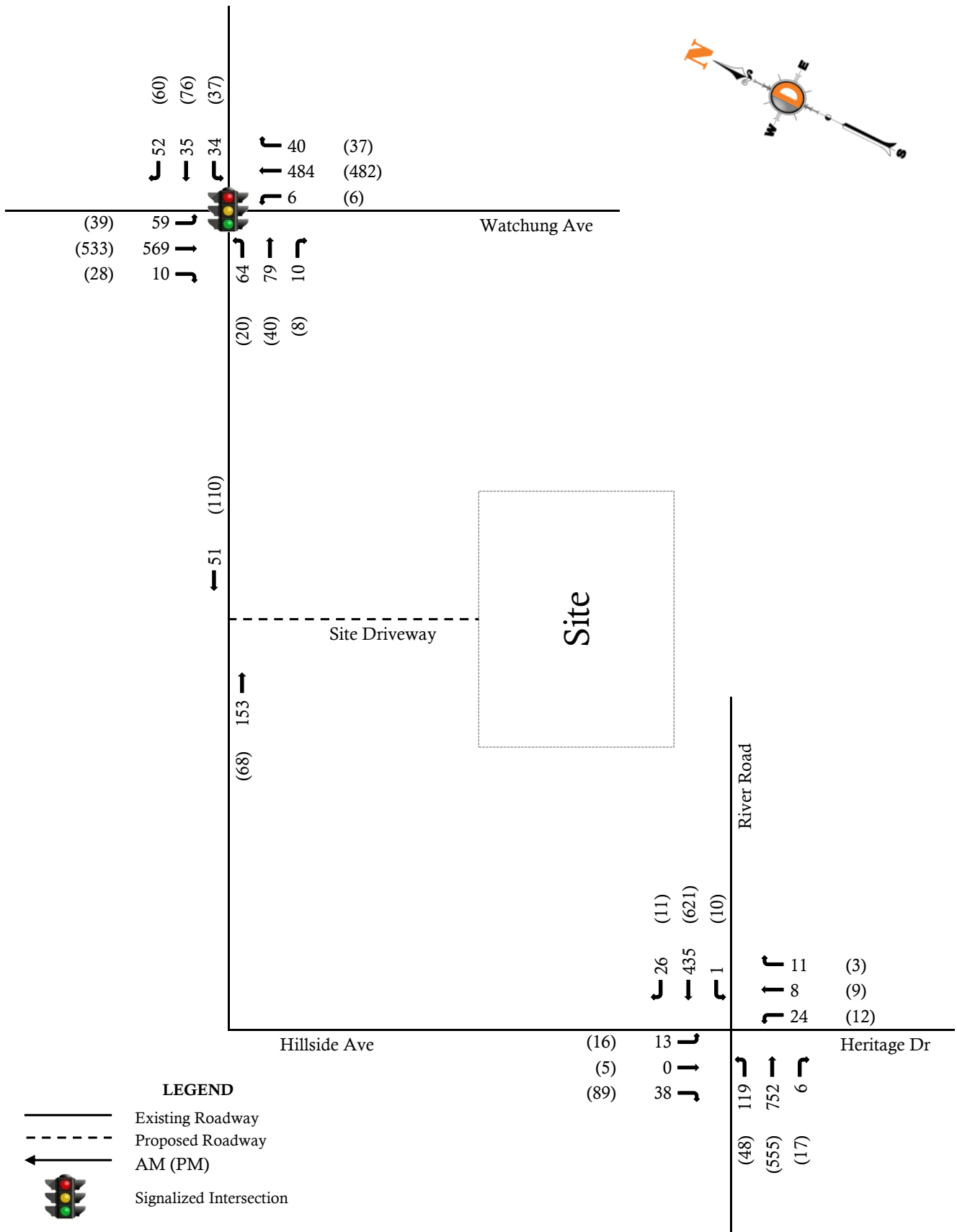
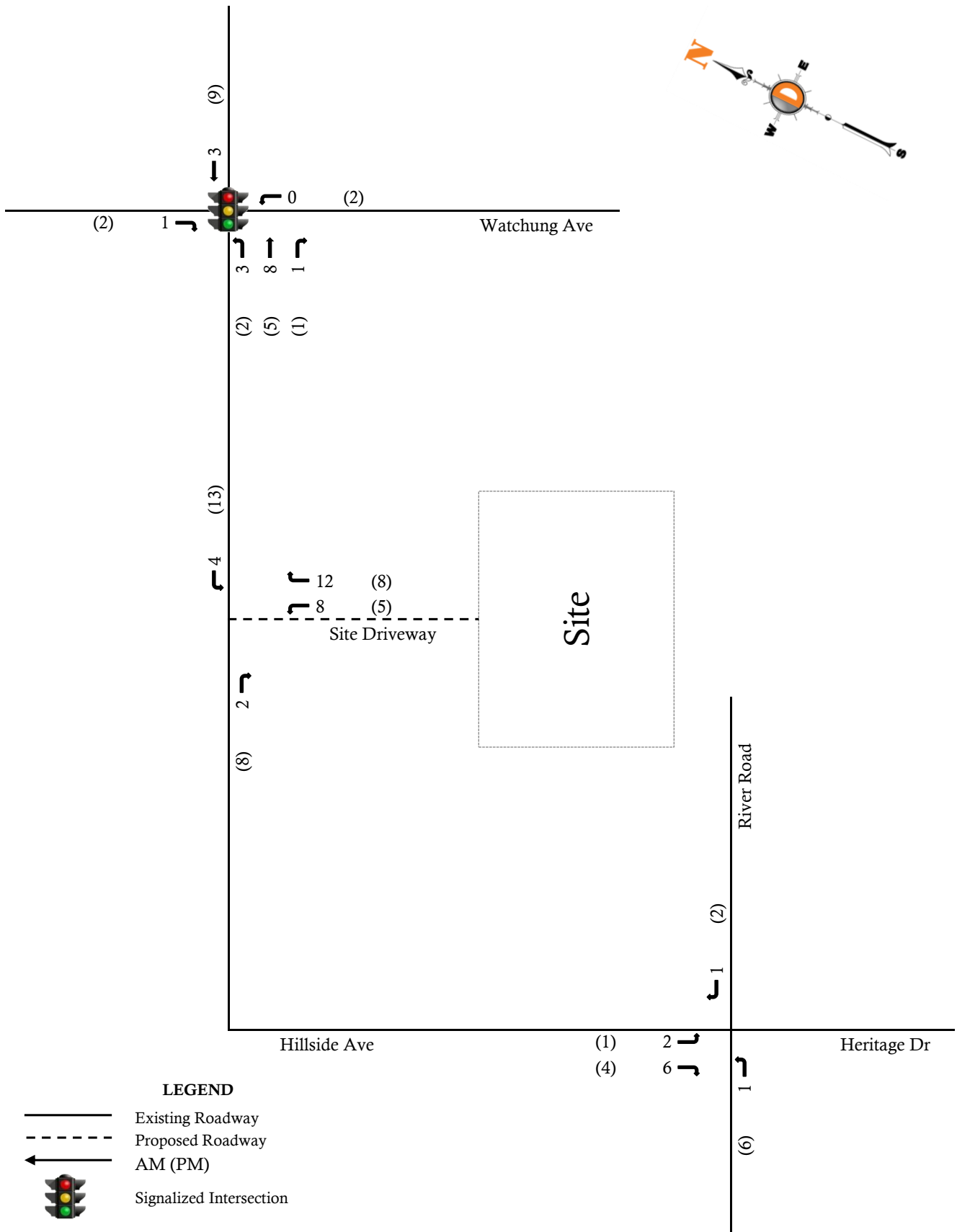


Figure 2

Existing Traffic Volumes



Dynamic Traffic, LLC

1904 Main Street, Lake Como, NJ 07719
245 Main Street - Suite 110, Chester, NJ 07930
732-681-0760

E/W: River Rd
N/S: Hillside Ave/ Heritage Dr
Town/County: Chatham/Morris
Job #: 1234-99-002TE

File Name : Hillside Ave, Heritage Dr & River Rd - AM&PM
Site Code : 00000000
Start Date : 11/28/2017
Page No : 1

Groups Printed- Cars - Trucks - Buses

	River Rd Eastbound					River Rd Westbound					Heritage Dr Northbound					Hillside Ave Southbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM	10	102	0	0	112	0	62	0	0	62	4	1	3	0	8	1	0	5	0	6	188
07:15 AM	19	128	0	0	147	0	84	2	0	86	11	1	5	0	17	1	0	13	0	14	264
07:30 AM	28	165	2	0	195	0	87	3	0	90	6	3	4	0	13	0	0	7	0	7	305
07:45 AM	19	207	2	0	228	1	101	2	0	104	5	2	2	0	9	0	0	8	0	8	349
Total	76	602	4	0	682	1	334	7	0	342	26	7	14	0	47	2	0	33	0	35	1106
08:00 AM	10	174	0	0	184	0	113	7	0	120	7	0	4	0	11	3	0	5	0	8	323
08:15 AM	20	193	2	0	215	0	127	6	0	133	6	0	1	0	7	0	0	7	0	7	362
08:30 AM	18	141	2	0	161	0	100	3	1	104	8	2	3	0	13	2	1	11	0	14	292
08:45 AM	16	148	1	0	165	0	103	5	0	108	1	2	1	0	4	1	0	9	0	10	287
Total	64	656	5	0	725	0	443	21	1	465	22	4	9	0	35	6	1	32	0	39	1264
*** BREAK ***																					
04:00 PM	3	128	6	0	137	1	142	2	0	145	4	1	1	0	6	3	2	9	0	14	302
04:15 PM	9	139	14	0	162	1	136	1	0	138	4	0	2	0	6	2	2	13	0	17	323
04:30 PM	11	125	10	0	146	1	158	3	0	162	4	0	0	0	4	1	2	8	0	11	323
04:45 PM	8	135	5	0	148	0	135	0	0	135	2	1	1	0	4	2	1	24	0	27	314
Total	31	527	35	0	593	3	571	6	0	580	14	2	4	0	20	8	7	54	0	69	1262
05:00 PM	7	134	4	0	145	2	148	3	0	153	4	0	2	0	6	3	1	23	0	27	331
05:15 PM	10	143	7	0	160	1	156	2	0	159	4	4	0	0	8	1	2	16	0	19	346
05:30 PM	8	133	1	0	142	7	171	3	0	181	2	1	0	0	3	3	1	16	0	20	346
05:45 PM	6	115	6	0	127	3	145	0	0	148	4	1	0	0	5	1	3	21	0	25	305
Total	31	525	18	0	574	13	620	8	0	641	14	6	2	0	22	8	7	76	0	91	1328
Grand Total	202	2310	62	0	2574	17	1968	42	1	2028	76	19	29	0	124	24	15	195	0	234	4960
Apprch %	7.8	89.7	2.4	0		0.8	97	2.1	0		61.3	15.3	23.4	0		10.3	6.4	83.3	0		
Total %	4.1	46.6	1.2	0	51.9	0.3	39.7	0.8	0	40.9	1.5	0.4	0.6	0	2.5	0.5	0.3	3.9	0	4.7	
Cars	191	2231				1920															
% Cars	94.6	96.6	98.4	0	96.5	100	97.6	90.5	100	97.4	100	100	100	0	100	91.7	100	94.9	0	94.9	96.9
Trucks	4	49	1	0	54	0	39	4	0	43	0	0	0	0	0	1	0	8	0	9	106
% Trucks	2	2.1	1.6	0	2.1	0	2	9.5	0	2.1	0	0	0	0	0	4.2	0	4.1	0	3.8	2.1
Buses	7	30	0	0	37	0	9	0	0	9	0	0	0	0	0	1	0	2	0	3	49
% Buses	3.5	1.3	0	0	1.4	0	0.5	0	0	0.4	0	0	0	0	0	4.2	0	1	0	1.3	1

Dynamic Traffic, LLC

1904 Main Street, Lake Como, NJ 07719
245 Main Street - Suite 110, Chester, NJ 07930
732-681-0760

E/W: Watchung Ave (CR 646)
N/S: Hillside Ave
Town/County: Chatham/Morris
Job #: 1234-99-002TE

File Name : Hillside Ave & Watchung Ave - AM&PM
Site Code : 00000000
Start Date : 11/28/2017
Page No : 1

Groups Printed- Cars - Trucks - Buses

	Watchung Ave (CR 646) Eastbound					Watchung Ave (CR 646) Westbound					Hillside Ave Northbound					Hillside Ave Southbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM	11	101	1	0	113	2	79	5	0	86	5	15	3	0	23	6	3	11	0	20	242
07:15 AM	9	118	3	2	132	1	105	6	0	112	14	15	4	1	34	13	10	22	2	47	325
07:30 AM	17	132	2	1	152	1	105	10	1	117	18	28	4	1	51	12	10	12	2	36	356
07:45 AM	18	164	4	0	186	2	129	13	0	144	8	25	2	1	36	9	5	14	0	28	394
Total	55	515	10	3	583	6	418	34	1	459	45	83	13	3	144	40	28	59	4	131	1317
08:00 AM	8	119	3	3	133	2	132	7	0	141	18	8	1	1	28	3	9	12	0	24	326
08:15 AM	15	144	1	0	160	1	110	9	0	120	19	16	3	0	38	9	10	13	0	32	350
08:30 AM	24	141	3	0	168	5	122	6	0	133	12	21	1	0	34	10	7	12	0	29	364
08:45 AM	12	141	7	1	161	1	140	8	0	149	10	15	1	2	28	8	5	11	0	24	362
Total	59	545	14	4	622	9	504	30	0	543	59	60	6	3	128	30	31	48	0	109	1402
*** BREAK ***																					
04:00 PM	6	111	7	1	125	2	131	16	1	150	4	9	3	0	16	7	14	18	1	40	331
04:15 PM	18	131	6	0	155	1	115	7	0	123	8	7	0	0	15	11	8	10	0	29	322
04:30 PM	5	135	5	0	145	5	131	13	0	149	8	12	4	1	25	7	8	18	0	33	352
04:45 PM	15	136	10	0	161	2	104	10	0	116	4	9	2	0	15	14	19	15	2	50	342
Total	44	513	28	1	586	10	481	46	1	538	24	37	9	1	71	39	49	61	3	152	1347
05:00 PM	10	113	5	0	128	1	135	10	1	147	7	6	2	0	15	6	25	17	0	48	338
05:15 PM	8	144	8	0	160	2	111	9	1	123	4	12	1	0	17	5	19	13	1	38	338
05:30 PM	5	131	5	0	141	1	124	7	0	132	5	13	3	0	21	11	12	14	0	37	331
05:45 PM	7	128	5	0	140	1	100	6	0	107	4	4	2	0	10	6	25	12	0	43	300
Total	30	516	23	0	569	5	470	32	2	509	20	35	8	0	63	28	81	56	1	166	1307
Grand Total	188	2089	75	8	2360	30	1873	142	4	2049	148	215	36	7	406	137	189	224	8	558	5373
Apprch %	8	88.5	3.2	0.3		1.5	91.4	6.9	0.2		36.5	53	8.9	1.7		24.6	33.9	40.1	1.4		
Total %	3.5	38.9	1.4	0.1	43.9	0.6	34.9	2.6	0.1	38.1	2.8	4	0.7	0.1	7.6	2.5	3.5	4.2	0.1	10.4	
Cars	184	2008				1788															
% Cars	97.9	96.1	94.7	100	96.2	96.7	95.5	95.8	100	95.5	97.3	97.2	91.7	100	96.8	92	97.9	98.7	100	96.8	96.1
Trucks	3	56	2	0	61	1	68	4	0	73	2	1	1	0	4	9	2	2	0	13	151
% Trucks	1.6	2.7	2.7	0	2.6	3.3	3.6	2.8	0	3.6	1.4	0.5	2.8	0	1	6.6	1.1	0.9	0	2.3	2.8
Buses	1	25	2	0	28	0	17	2	0	19	2	5	2	0	9	2	2	1	0	5	61
% Buses	0.5	1.2	2.7	0	1.2	0	0.9	1.4	0	0.9	1.4	2.3	5.6	0	2.2	1.5	1.1	0.4	0	0.9	1.1