

Rec'd
06/21
6/15/21

Mark Vertucci

From: Sojka, Gary J <Gary.Sojka@ct.gov>
Sent: Wednesday, May 5, 2021 10:26 AM
To: Mark Vertucci
Cc: Jacobson, Richard C; Hiller, Todd; Patel, Dhruval H.
Subject: [External] RE: Southington Rte 10 Saturday Counts
Attachments: 131-1608-01 Queen Street Retail Resub 20160919.pdf

Mark,

I've attached a traffic study from 2016 that includes Saturday volumes at the intersection of Route 10 and the I-84 EB ramps, hope this helps.

Gary J. Sojka

*Transportation Supervising Planner
Connecticut Department of Transportation
Bureau of Policy and Planning
2800 Berlin Turnpike
Newington, CT 06111
Email: gary.sojka@ct.gov
telephone: (860) 594-2025*

From: Mark Vertucci <MVertucci@fando.com>
Sent: Wednesday, May 5, 2021 1:36 AM
To: Sojka, Gary J <Gary.Sojka@ct.gov>
Subject: Southington Rte 10 Saturday Counts

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Hi Gary,

We are working on a project off Laning Street in Southington which ties into Rte 10/Queen Street just south of the I-84 ramps. We analyzed the weekday AM/PM peak hours but I am getting questioned by the public and commission who are saying that we should have looked at Saturday as the weekend volumes are higher. Do you happen to have any Saturday ATR counts or turning movement counts on file along Rte 10 in this area? Looks like all the count stations online only have weekday data but not sure if you might have anything else on file (obviously pre-covid is preferred).

Thanks,
Mark



Mark Vertucci, PE, PTOE
Vice President

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Hesketh

Civil & Traffic Engineers • Surveyors • Planners • Landscape Architects

F. A. Hesketh
& Associates, Inc.

August 26, 2016

Mr. David sawicki
Office of the State Traffic Administration
ConnDOT
2800 Berlin Turnpike, P.O. Box 317546
Newington, CT 06131-7546

OSTA-131-1608-01
STARS JD 168/05

**RE: OSTA Step 1 Application
Proposed Retail
Route 10 (Queen Street) – Southington
Our File: 13116**

Approved

Dear Mr. Sawicki:

Our office is in receipt of a review comments from your office dated 8/23/2016. We have revised the turning movement diagrams in response to the comments. We are herewith submitting one revised copy and a disk containing a pdf copy of the revised diagrams. The volumes have been revised as follows:

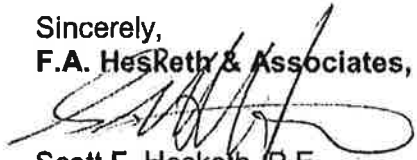
1. Figures 5, 6 and 7 have been revised to balance the volumes between intersections. There is one exception. During the morning peak hour the volumes between Spring Street and Interstate Park drive have not been balanced. There is a McDonald's restaurant and a shopping center located here. A significant proportion of the traffic from these uses exit to Interstate Park Drive.
2. The volumes have been balanced. The imbalance was the result of a typographical error that was carried through the figures.
3. The Combined Volumes in figures 15, 16 and 17 have been recalculated.

At a hearing on the night of August 16, 2016, the Southington Planning Commission granted site plan approval for the project. The approved plan included a right in – right out un-signalized driveway in the center of the site. The figures have been revised to reflect the approval.

Mr. John Senese
August 26, 2016
Page 2

If you require any additional information regarding this project, please do not hesitate to contact our office.

Sincerely,
F.A. Hesketh & Associates, Inc.



Scott F. Hesketh, P.E.
Manager of Transportation Engineering

cc: Mr. John Senese, Calco Construction & Development
Mr. Robert A Phillips, Director of Planning & Comm. Dev., Town of Southington

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OSTA # 131-1608-01

8/23/2016

1. In figures 5 & 6 (Background AM & PM) there is an imbalance between the I-84 Eastbound and Westbound Ramps in the northbound and southbound directions, but there are no curb cuts in between. This imbalance is carried through the background and combined volumes as well.
2. There is a large imbalance between Aircraft Road and the northern site drive in the southbound direction in figures 6, 9 and 16.
3. The sum of the volumes from figures 8, 9 and 10 and figures 12, 13 and 14 do not equal the volumes in figures 15, 16 and 17, respectively(background + site generated \neq combined traffic).

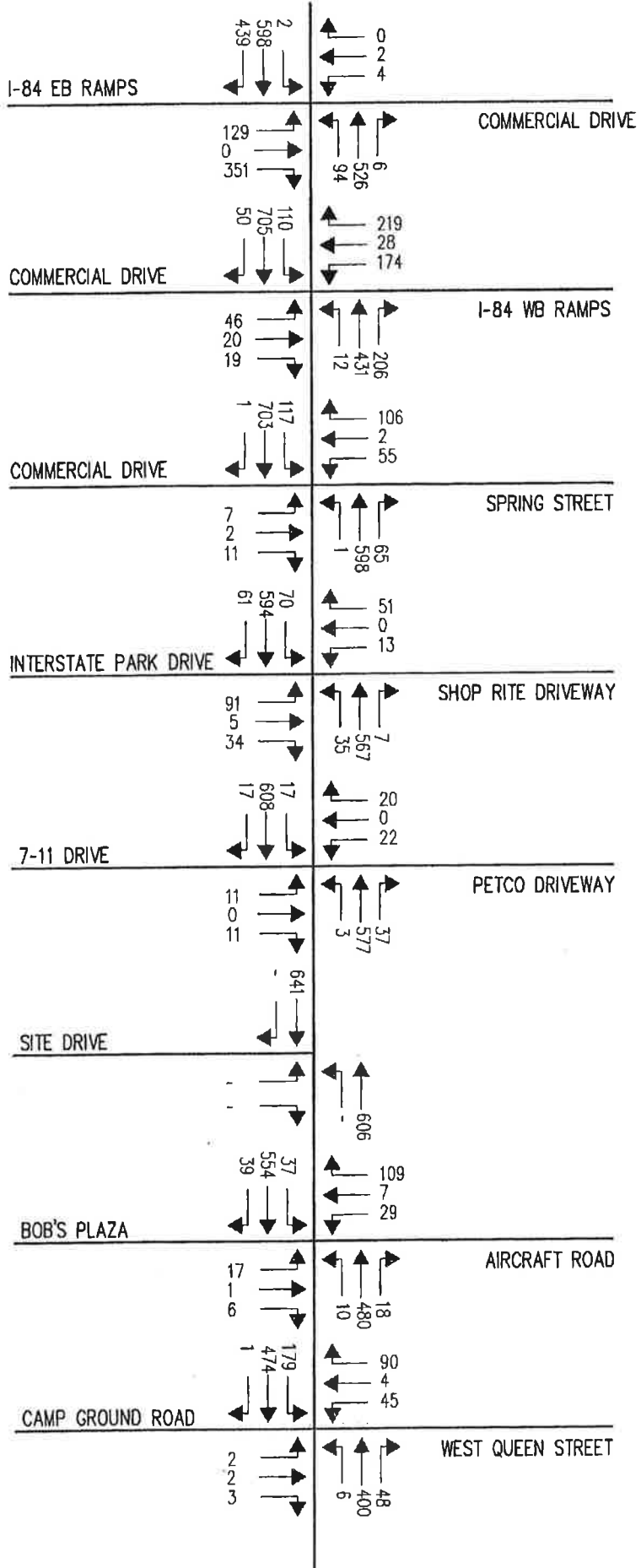


FIGURE 2
 OBSERVED TRAFFIC VOLUMES
 A.M. PEAK HOUR
 SENESE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHINGTON, CONNECTICUT
F. A. Heath & Associates, Inc.
 9 CREAMERY BROOK, EAST GRANBY, CT 06028
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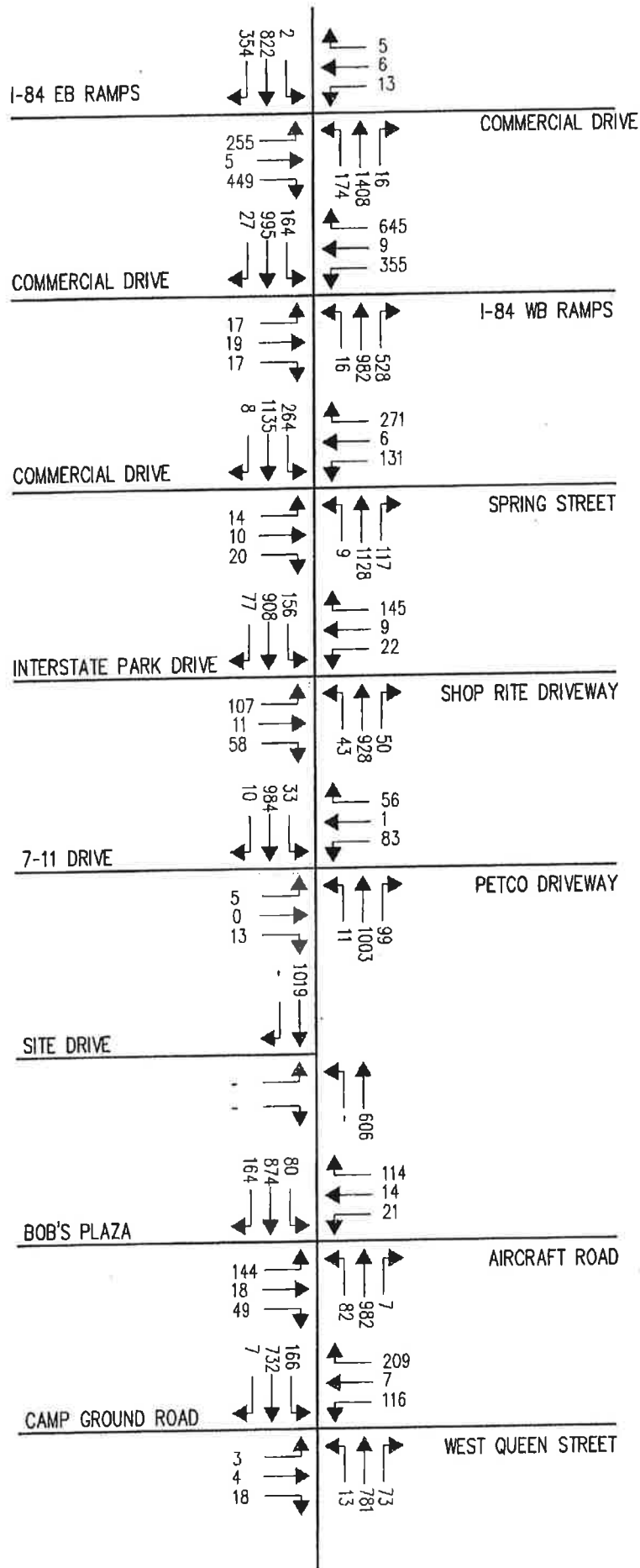


FIGURE 3
OBSERVED TRAFFIC VOLUMES
 P.M. PEAK HOUR
SENESSE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHWINGTON, CONNECTICUT

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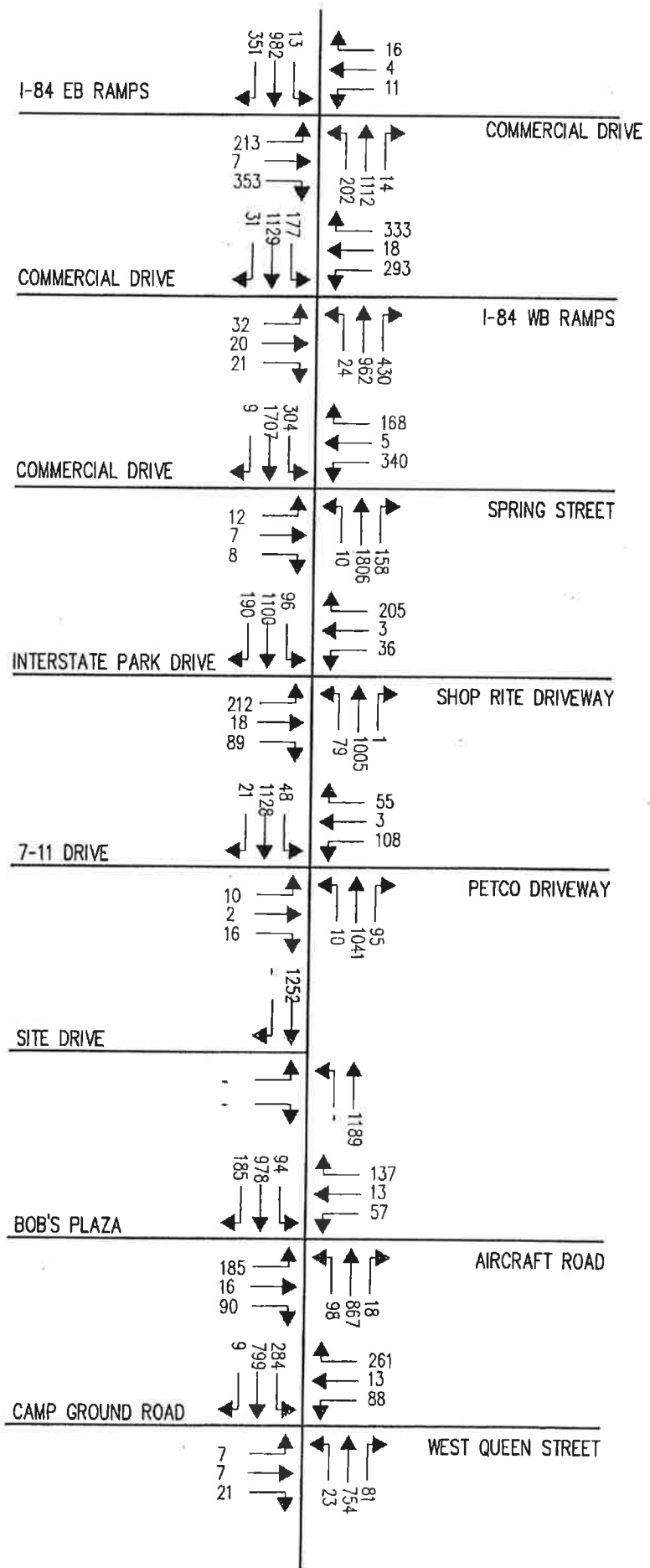


FIGURE 4
 OBSERVED TRAFFIC VOLUMES
 SATURDAY PEAK HOUR
 SENESE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHRINGTON, CONNECTICUT
 F. A. Heaketh & Associates, Inc.
 8 CHELSEA STREET, EAST GRANBY, CT 06026
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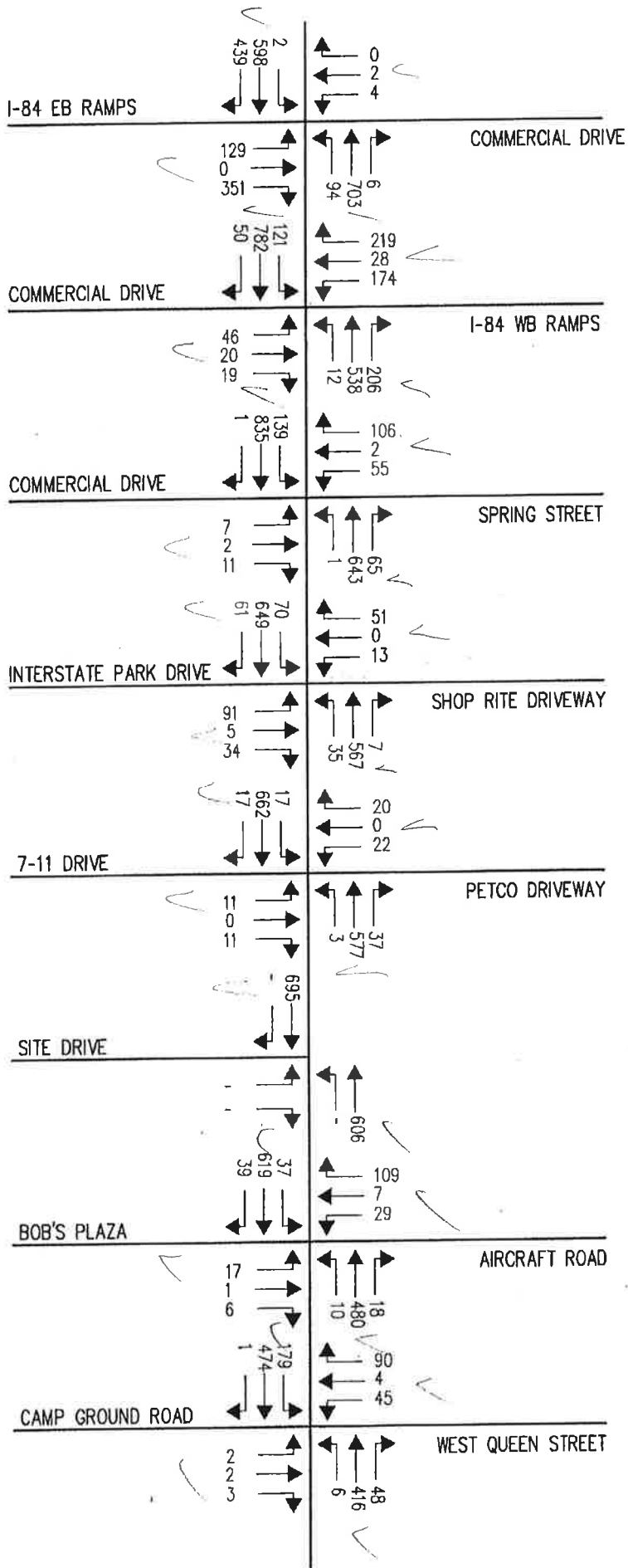


FIGURE 5R1

8/26/16

2016 EXISTING TRAFFIC
A.M. PEAK HOUR
SENESE RETAIL
ROUTE 10 (QUEEN STREET)
SOUTHINGTON, CONNECTICUT

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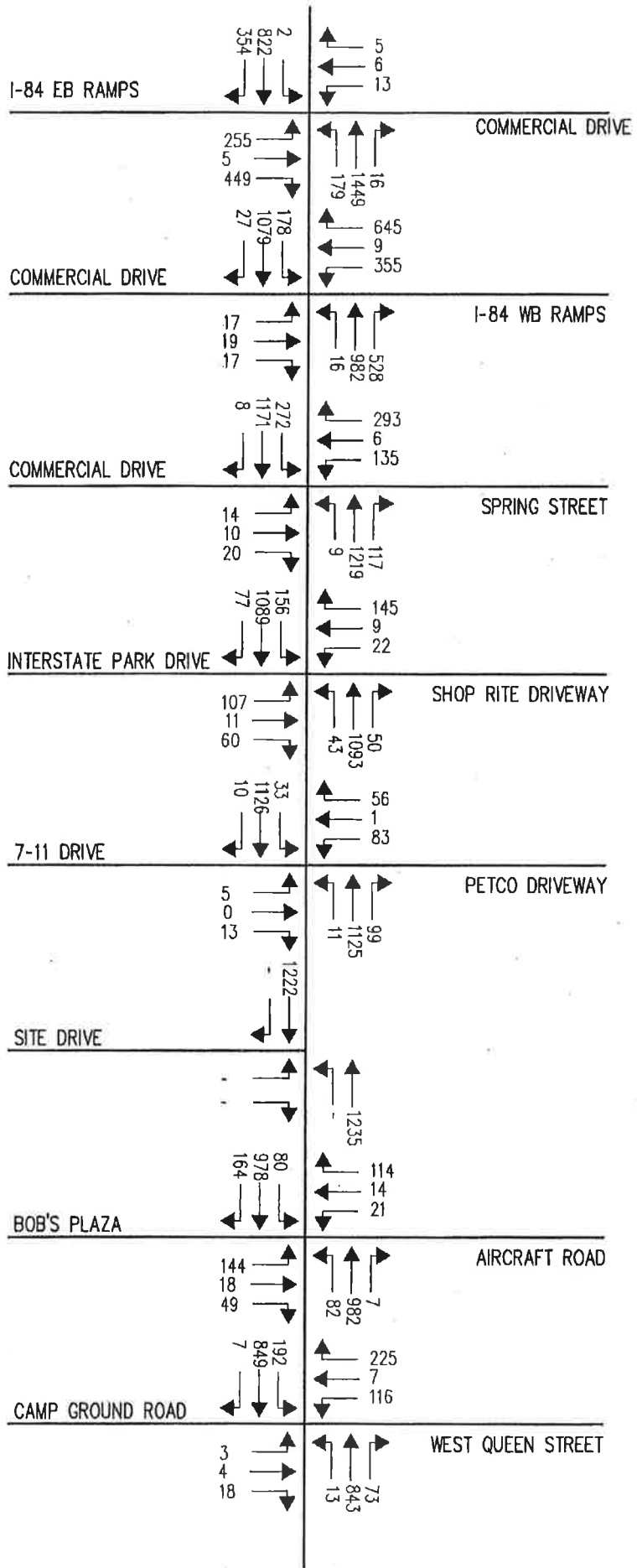


FIGURE 681 2016 EXISTING TRAFFIC P.M. PEAK HOUR SENESE RETAIL ROUTE 10 (QUEEN STREET) SOUTHWINGTON, CONNECTICUT 8/26/16

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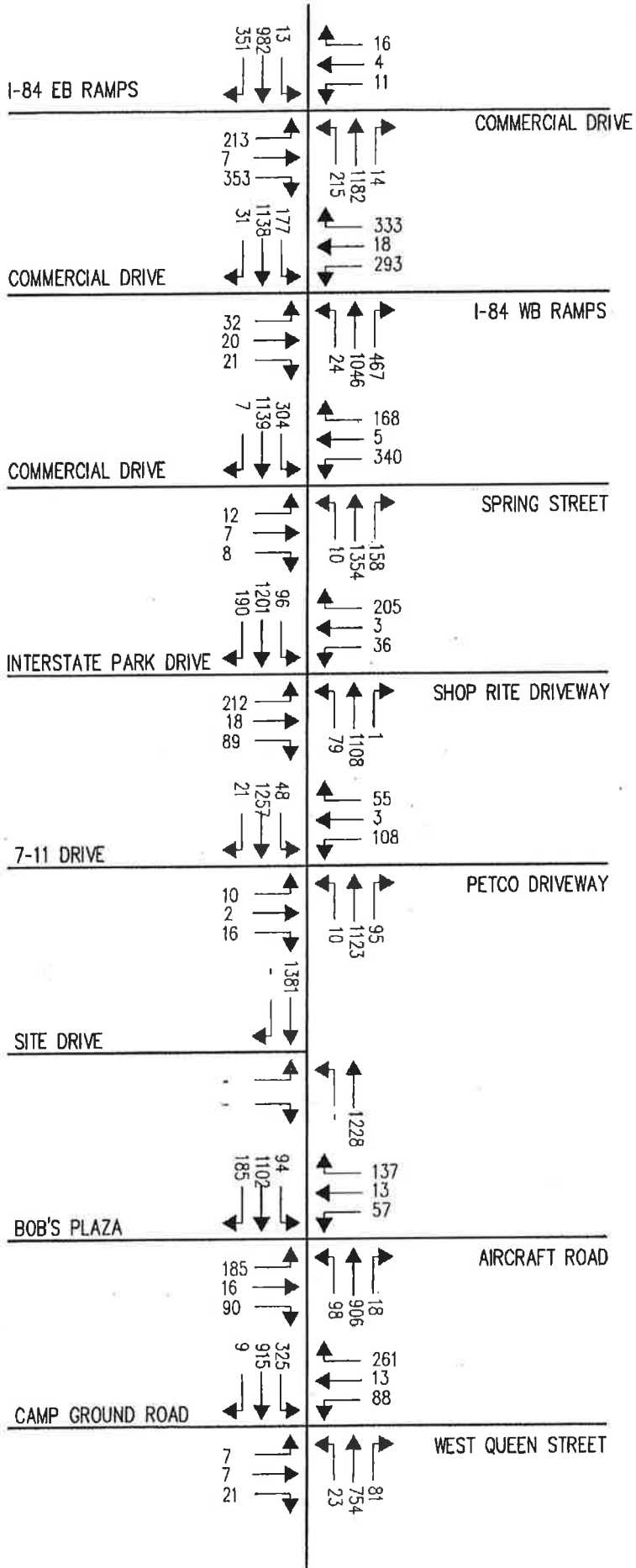


FIGURE 7R1

2016 EXISTING TRAFFIC
SATURDAY PEAK HOUR
SENESE RETAIL
ROUTE 10 (QUEEN STREET)
SOUTHINGTON, CONNECTICUT

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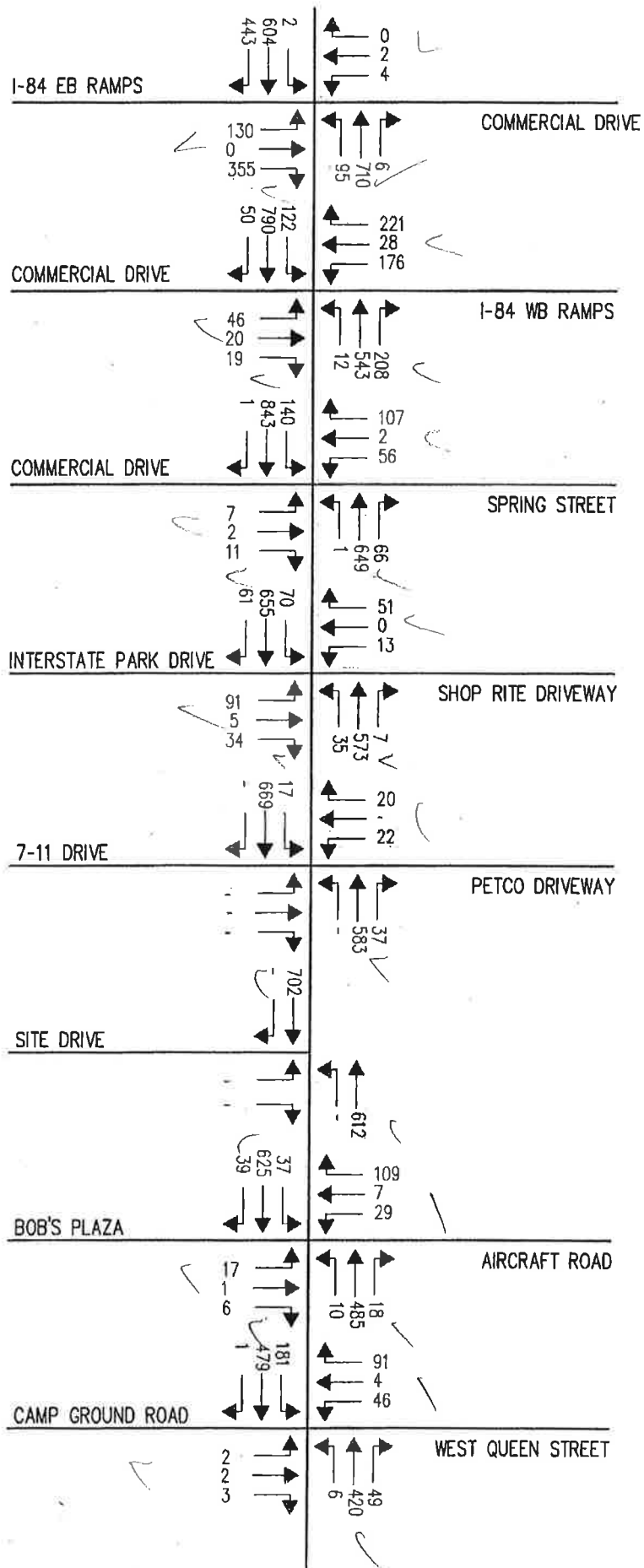


FIGURE BRT

2017 BACKGROUND TRAFFIC
 A.M. PEAK HOUR
 SENESE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHINGTON, CONNECTICUT

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Good

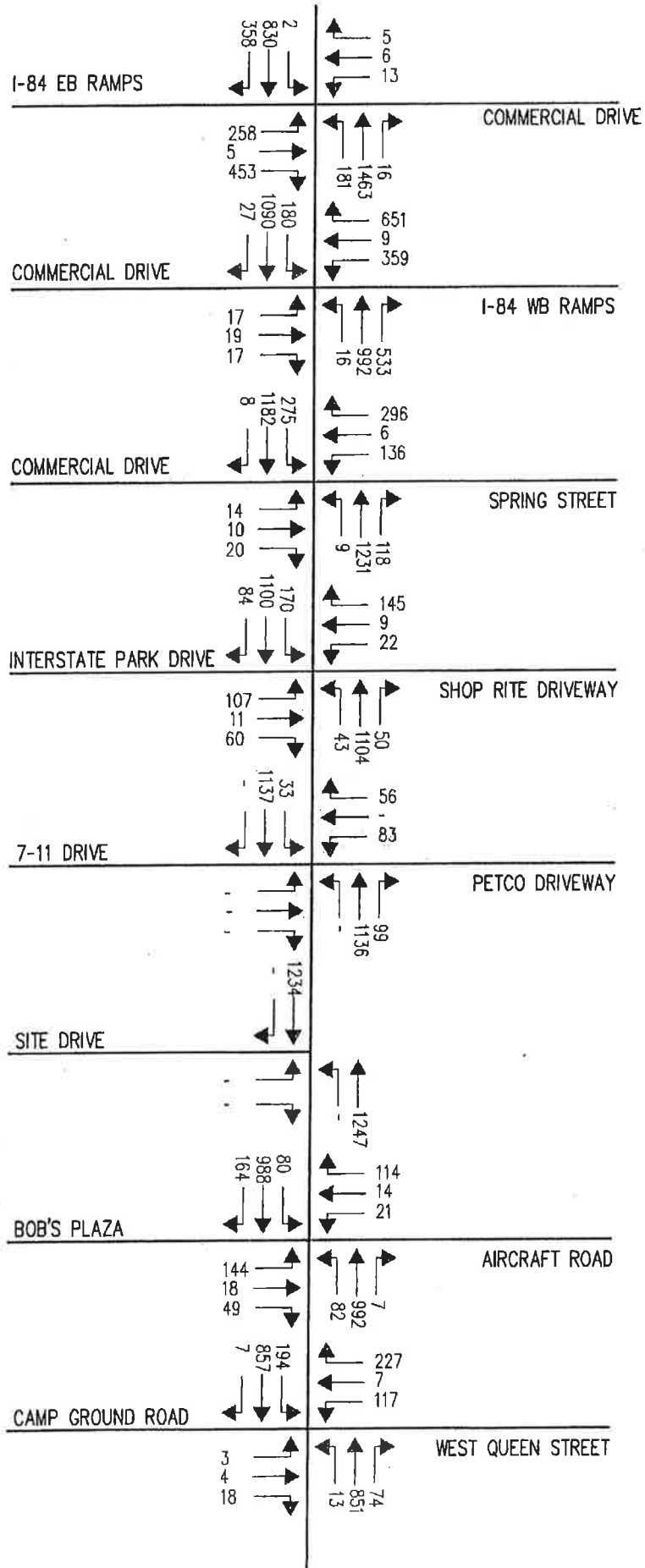


FIGURE 9R1

2017 BACKGROUND TRAFFIC
P.M. PEAK HOUR

SENESE RETAIL
ROUTE 10 (QUEEN STREET)
SOUTHINGTON, CONNECTICUT

8/26/16

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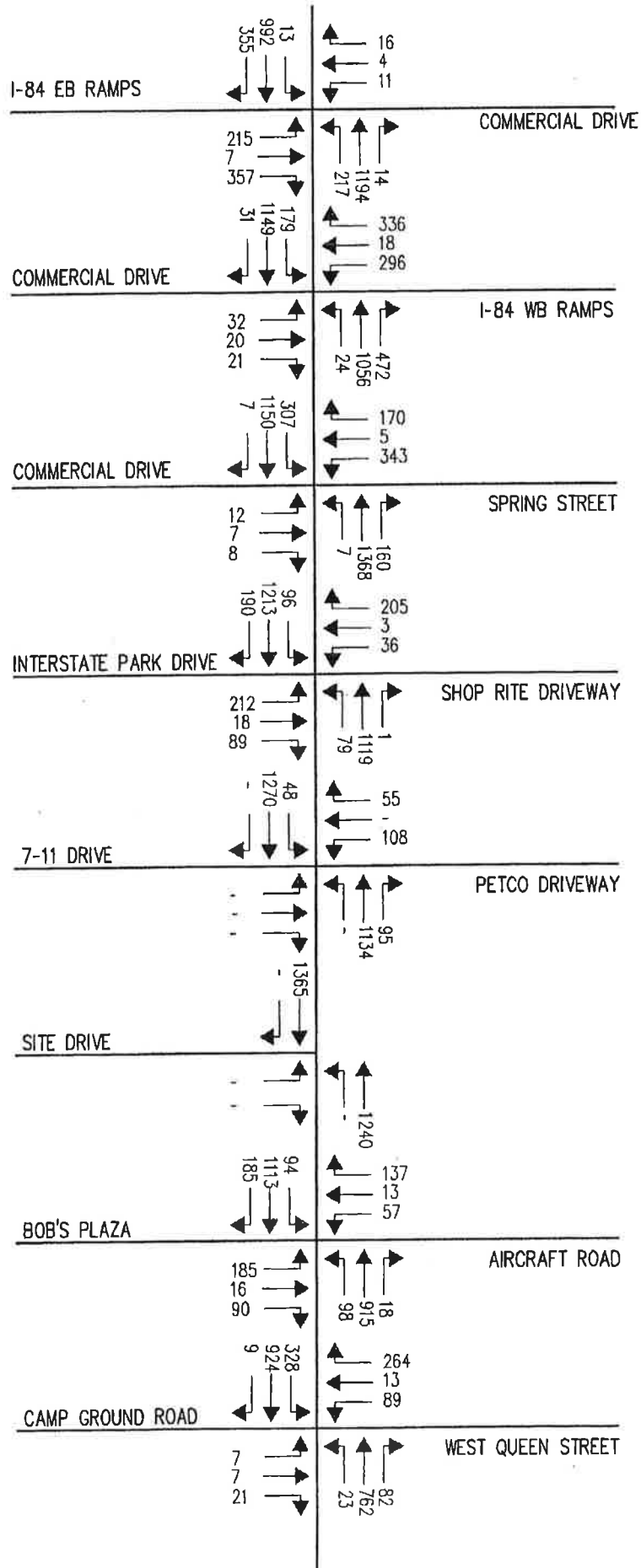


FIGURE 10R1

2017 BACKGROUND TRAFFIC SATURDAY PEAK HOUR
 SENESE RETAIL ROUTE 10 (QUEEN STREET) SOUTHLINGTON, CONNECTICUT

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**Table 3A
Trip Generation Summary**

<u>Land Use</u>	<u>Size</u>	<u>ADT</u>	<u>Weekday Volumes</u>						<u>Daily</u>	<u>Saturday Peak Hour</u>		
			<u>AM Peak</u>			<u>PM Peak</u>				<u>Enter</u>	<u>Exit</u>	<u>Total</u>
			<u>Enter</u>	<u>Exit</u>	<u>Total</u>	<u>Enter</u>	<u>Exit</u>	<u>Total</u>		<u>Enter</u>	<u>Exit</u>	<u>Total</u>
Proposed Use												
Supermarket	19,430 s.f.	1,987	71	66	137	94	90	184	3,451	106	101	207
Shopping Center	3,500 s.f.	149	2	1	3	6	7	13	175	9	8	17
Fast Food Rest with Drive Thru	4,730 s.f.	2,347	130	124	254	116	108	224	3,415	142	137	279
A.M. Peak	1,378 veh		89	76	165							
P.M. Peak	2,031 veh.					43	38	81				
Fast Food Rest w/o Drive Thru	2,240 s.f.	1,604	74	68	142	58	59	117	1,559	60	62	122
Coffee / Donut Shop with Drive thru*	1,920 s.f.	1,572	126	121	247	68	69	137	1,572	81	81	162
A.M. Peak	1,378 veh		112	108	220							
P.M. Peak	2,031 veh.					52	50	102				
Combined		7,659	403	380	783	342	333	675	10,172	398	389	787
20% Pass-By			78	78	156	68	67	135		79	78	157
New Site Traffic			325	302	627	275	266	540		319	311	630

* - Saturday daily volume assumed equal to weekday daily volume

14-Jul-16

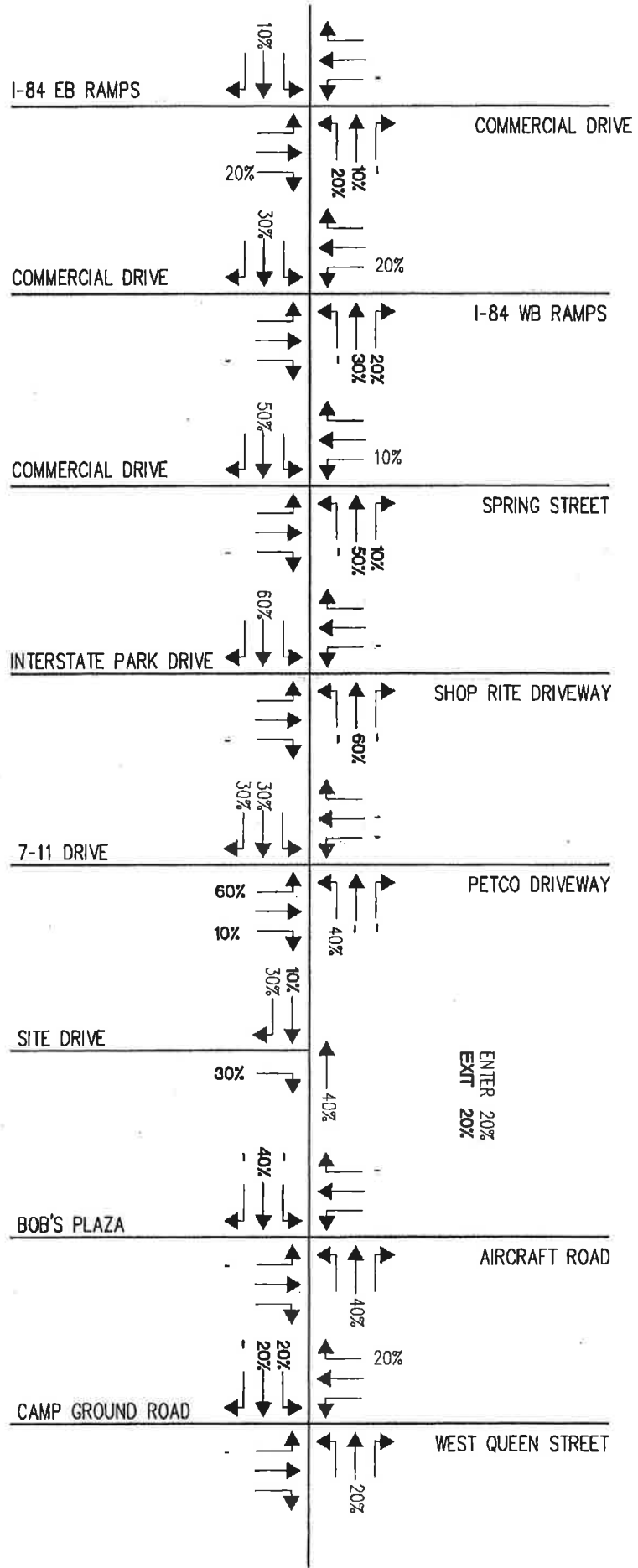


FIGURE 11R1

DIRECTIONAL DISTRIBUTION OF SITE GENERATED TRAFFIC

SENESSE RETAIL ROUTE 10 (QUEEN STREET) SOUTHLINGTON, CONNECTICUT

8/26/16

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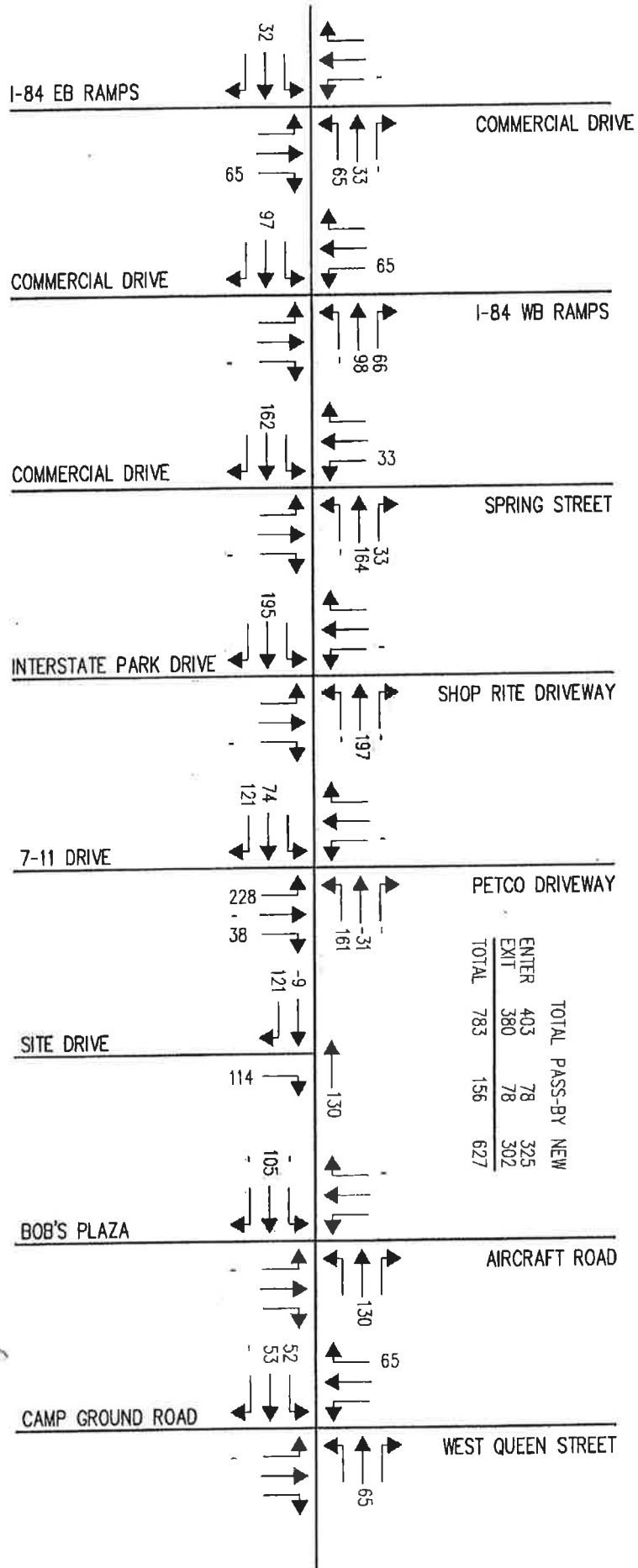


FIGURE 12R1

SITE GENERATED TRAFFIC
 A.M. PEAK HOUR
 SENESE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHLINGTON, CONNECTICUT

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good

changes in distribution

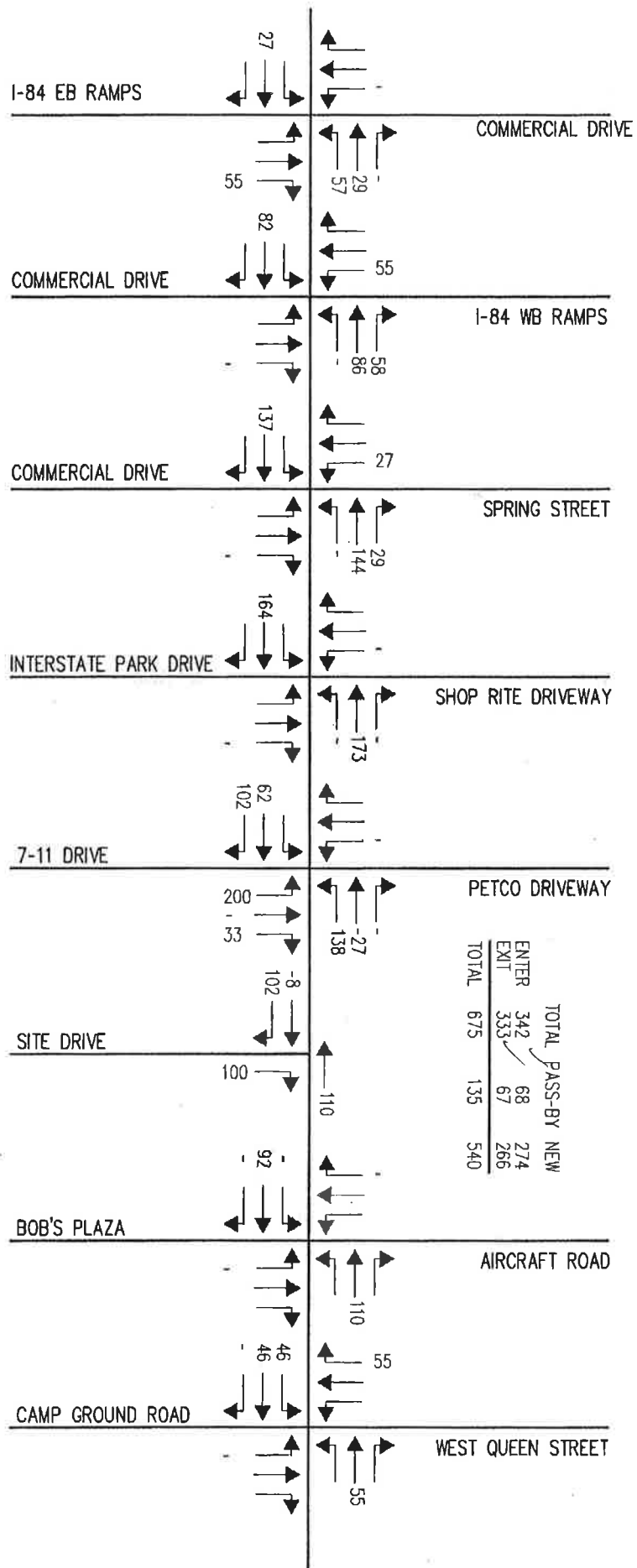


FIGURE 13RT
 SITE GENERATED TRAFFIC
 P.M. PEAK HOUR
 SENESE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHLINGTON, CONNECTICUT

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changes in distribution

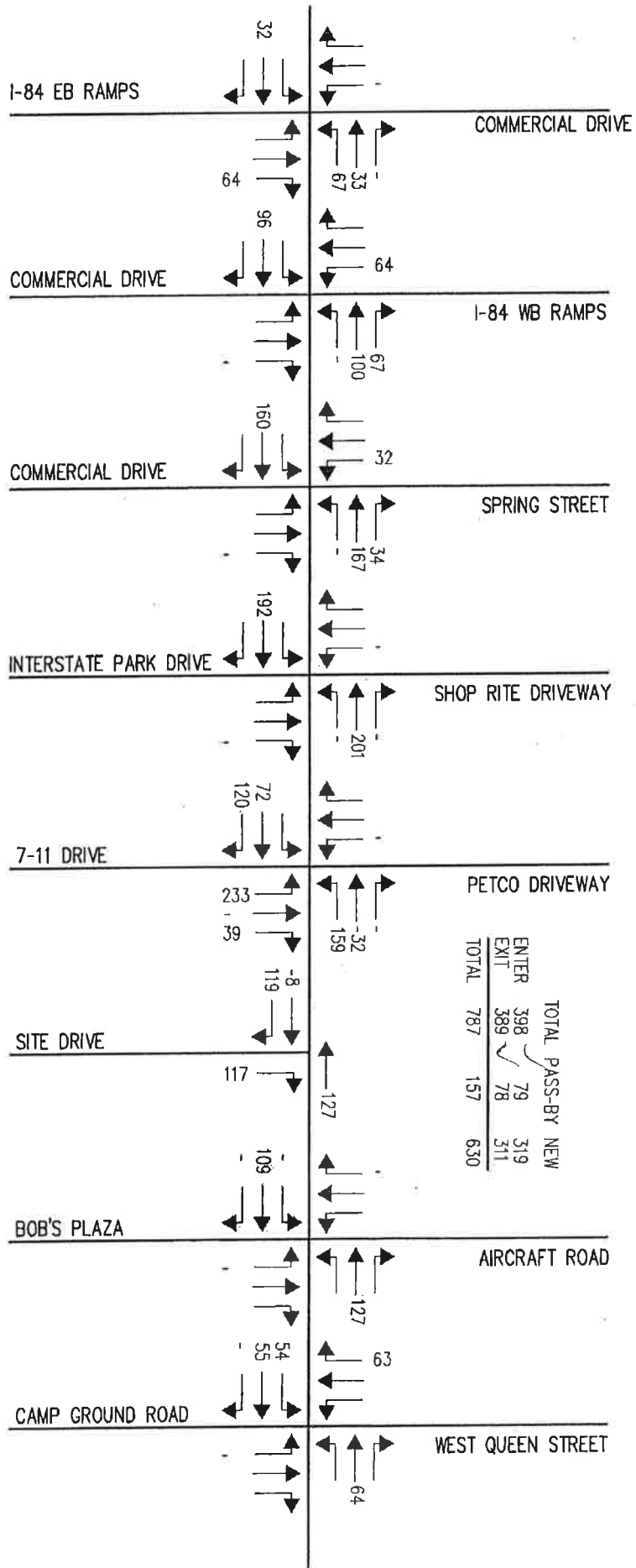


FIGURE 1481
 SITE GENERATED TRAFFIC
 SATURDAY PEAK HOUR
 SENESE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHWINGTON, CONNECTICUT

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distribution changes

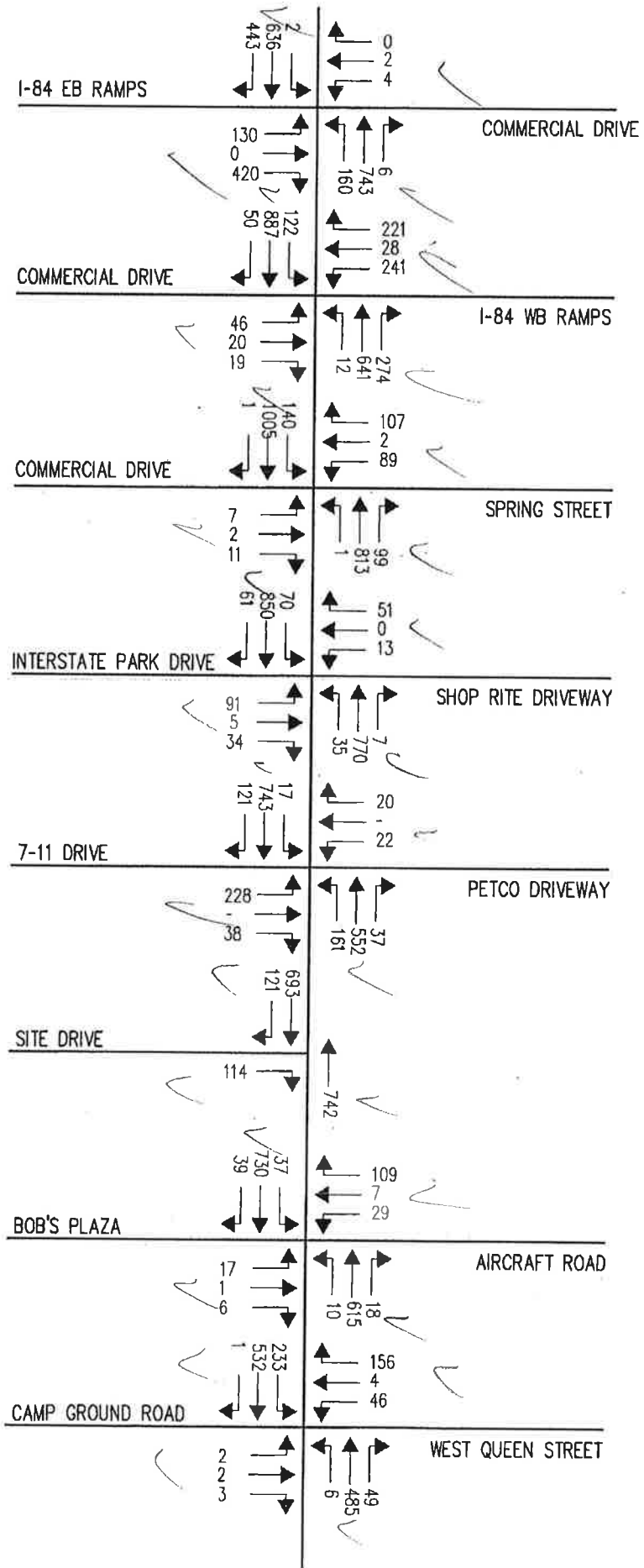


FIGURE 15R1

8/26/16

2017 COMBINED TRAFFIC
 A.M. PEAK HOUR
 SENESE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHWINGTON,
 CONNECTICUT

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 8 CRENSHAW BROOK, EAST GRANBY, CT 06026

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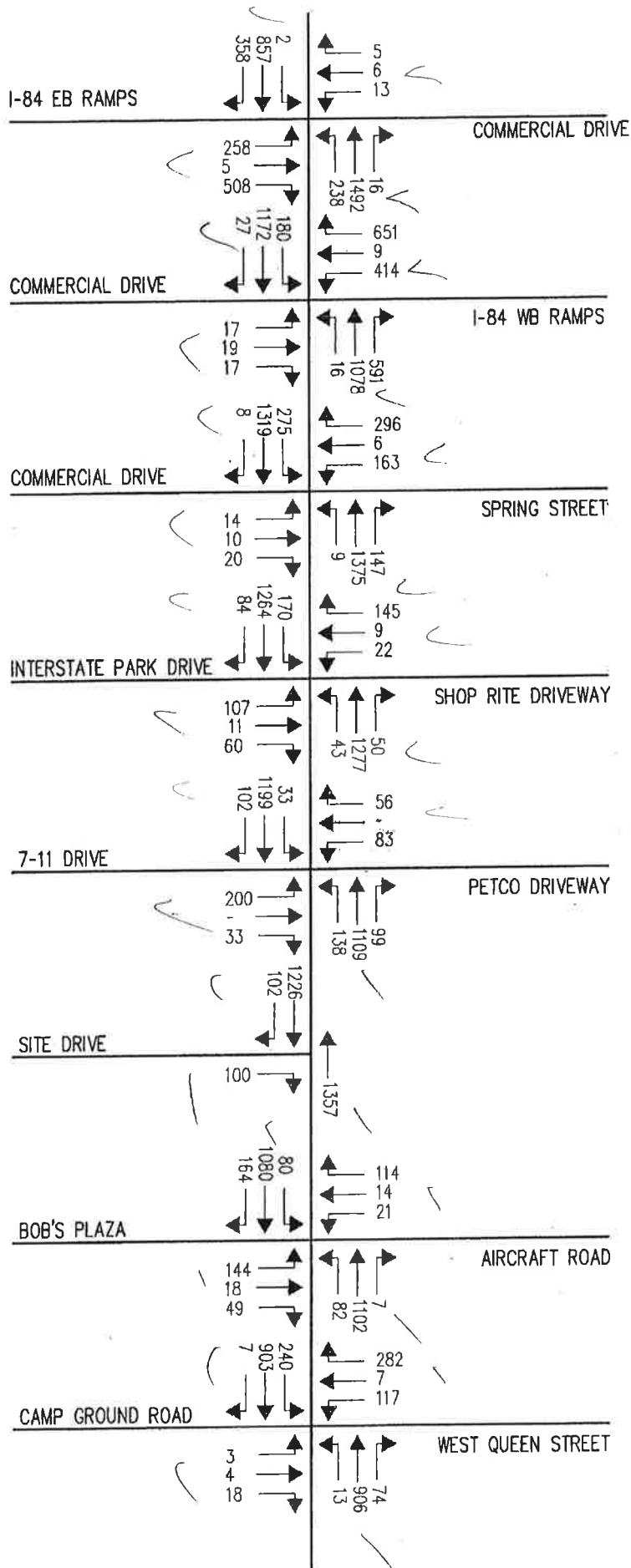


FIGURE 16R1
 2017 COMBINED TRAFFIC
 P.M. PEAK HOUR
 SENESE RETAIL
 ROUTE 10 (QUEEN STREET)
 SOUTHWINGTON, CONNECTICUT
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 6 CREAMT BROOK, EAST GRANBY, CT 06028
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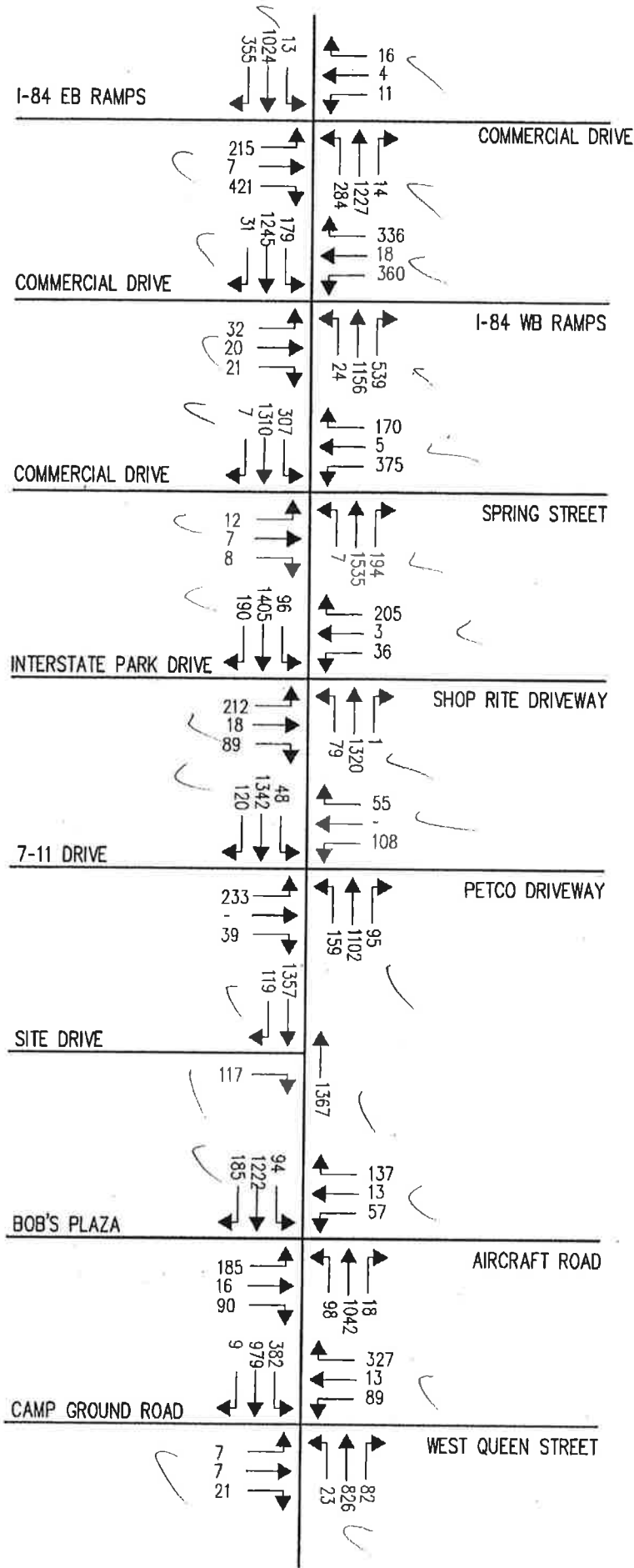


FIGURE 17R1
 2017 COMBINED TRAFFIC SATURDAY PEAK HOUR
 SENESE RETAIL ROUTE 10 (QUEEN STREET) SOUTHLINGTON, CONNECTICUT
F. A. Heath & Associates, Inc.
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