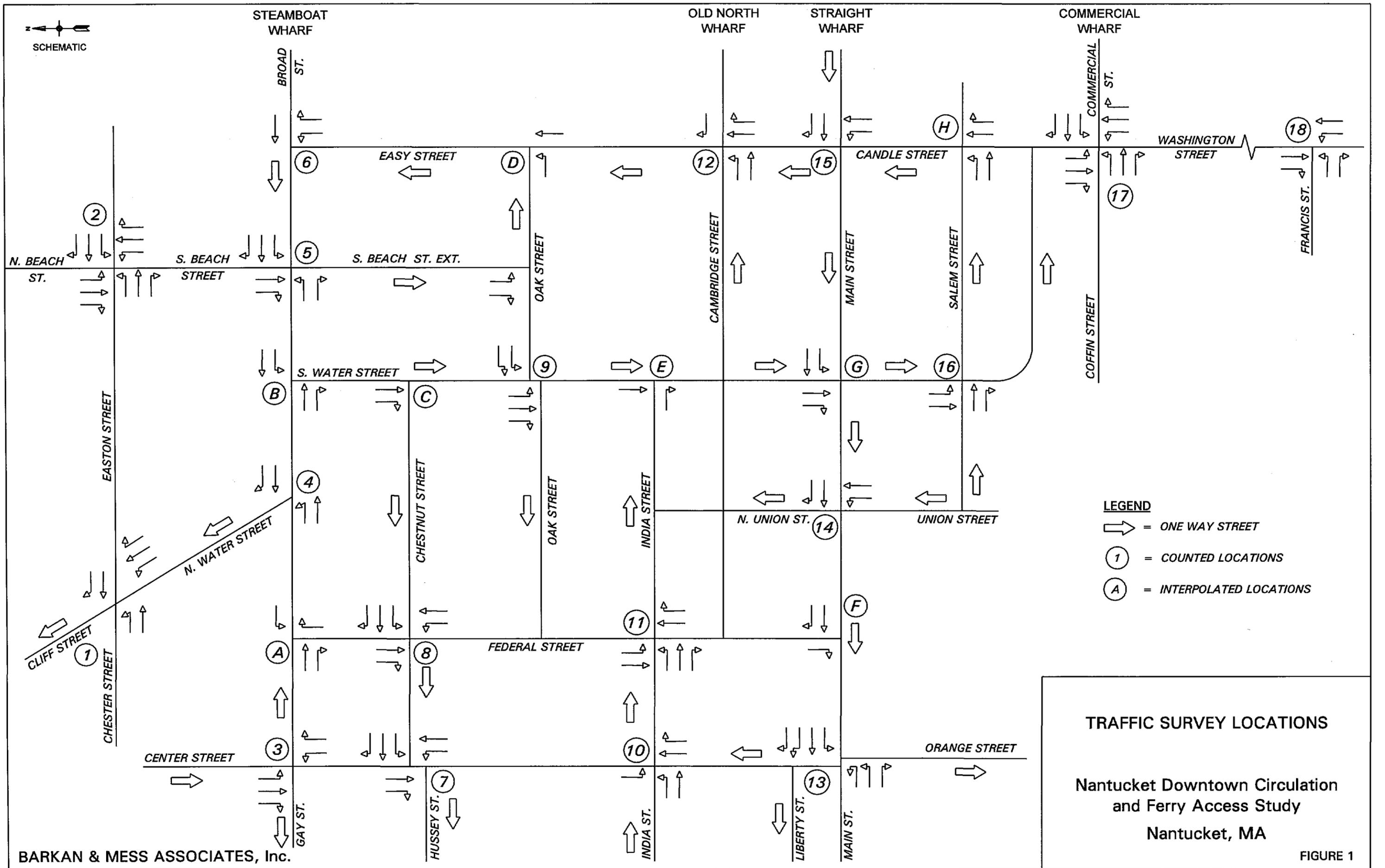


**Table 1-1  
TRAFFIC SURVEY LOCATIONS  
Nantucket Downtown Circulation and Ferry Access Study**

<b>INTERSECTION ID</b>	<b>LOCATION</b>
1	North Water, Cliff, Chester and Easton Streets
2	South Beach, North Beach and Easton Streets (bike count location)
3	Center, Broad and Gay Streets
4	Broad and North Water Streets
5	Broad Street, South Beach Street and South Beach Street Extension
6	Broad and Easy Streets
7	Center, Chestnut and Hussey Streets (bike count location)
8	Federal and Chestnut Streets
9	South Water and Oak Streets
10	Center and India Streets
11	Federal and India Streets
12	Easy and Cambridge Streets
13	Main, Orange, Center and Liberty Streets
14	Main, Union and North Union Streets
15	Main, Candle and Easy Streets
16	Salem and Washington Streets
17	Washington, Coffin and Commercial Streets (bike count location)
18	Washington and Francis Streets
<b>INTERPOLATED LOCATIONS</b>	
<b>INTERSECTION ID</b>	<b>LOCATION</b>
A	Federal and Broad Streets
B	Broad and South Water Streets
C	South Water and Chestnut Streets
D	Oak and Easy Streets
E	South Water and India Streets
F	Main and Federal Streets
G	Main and South Water Streets
H	Salem and Candle Streets

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- LEGEND**
- = ONE WAY STREET
  - = COUNTED LOCATIONS
  - = INTERPOLATED LOCATIONS

**TRAFFIC SURVEY LOCATIONS**

**Nantucket Downtown Circulation  
and Ferry Access Study  
Nantucket, MA**

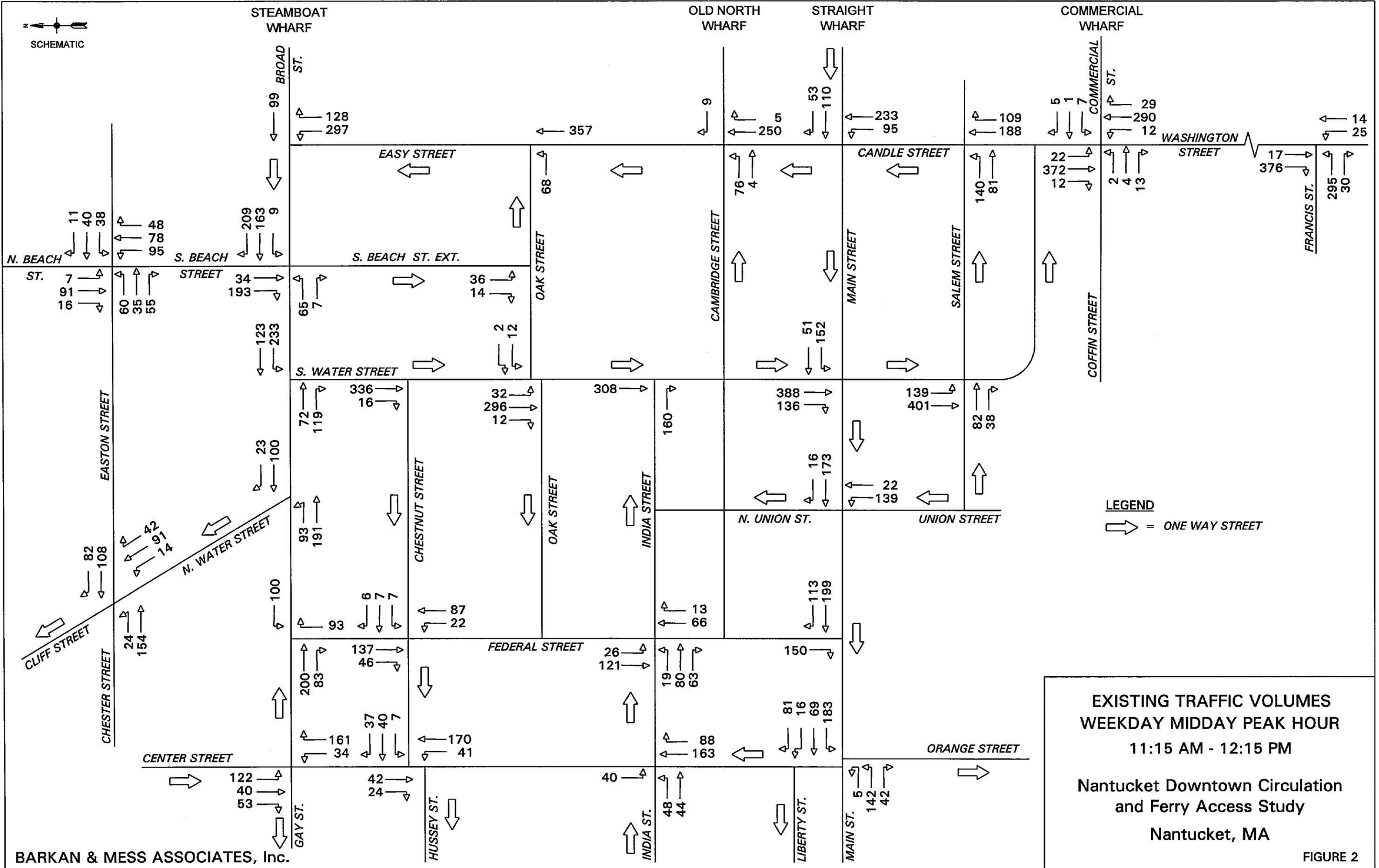
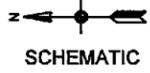
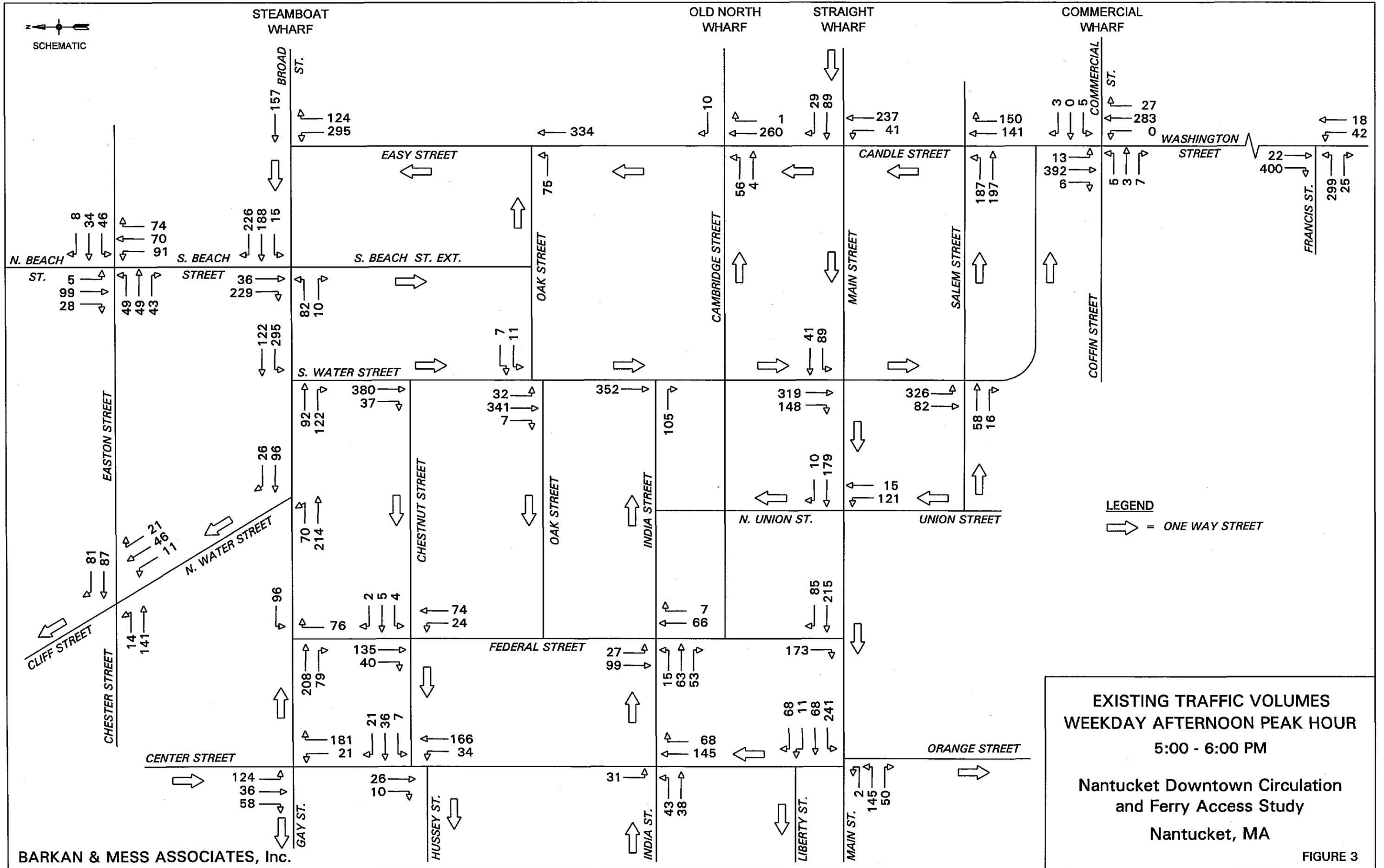


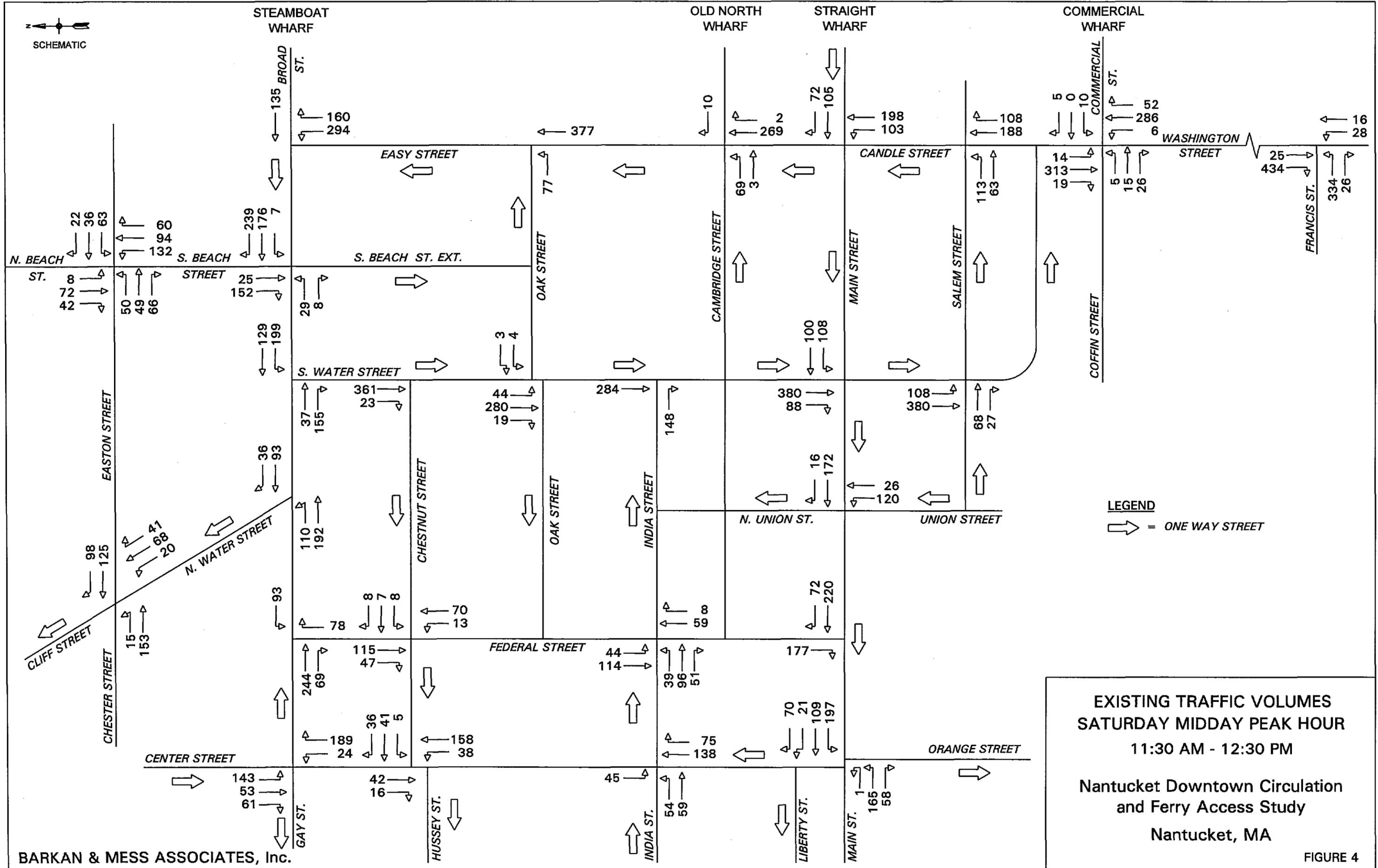
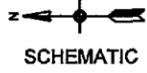
FIGURE 2



**EXISTING TRAFFIC VOLUMES  
WEEKDAY AFTERNOON PEAK HOUR  
5:00 - 6:00 PM**

**Nantucket Downtown Circulation  
and Ferry Access Study  
Nantucket, MA**

**FIGURE 3**



**Table 2-1**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**North Water, Cliff, Chester and Easton Streets**

	<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/ CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>					
	North Water Street northbound	A	0.22	8.9	N/A
	Chester Street eastbound	A	0.26	9.1	N/A
	Easton Street westbound	A	0.26	8.7	N/A
<i>Weekday P.M.</i>					
	North Water Street northbound	A	0.12	8.1	N/A
	Chester Street eastbound	A	0.21	8.4	N/A
	Easton Street westbound	A	0.21	8.1	N/A
<i>Saturday Midday</i>					
	North Water Street northbound	A	0.19	8.8	N/A
	Chester Street eastbound	A	0.24	8.9	N/A
	Easton Street westbound	A	0.30	8.9	N/A

**Table 2-2**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**North Beach, South Beach and Easton Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
South Beach Street northbound	A	0.32	9.9	N/A
North Beach Street southbound	A	0.18	8.8	N/A
Easton Street eastbound	A	0.23	9.2	N/A
Easton Street westbound	A	0.15	8.9	N/A
<i>Weekday P.M.</i>				
South Beach Street northbound	A	0.34	9.9	N/A
North Beach Street southbound	A	0.20	8.9	N/A
Easton Street eastbound	A	0.22	9.2	N/A
Easton Street westbound	A	0.15	9.0	N/A
<i>Saturday Midday</i>				
South Beach Street northbound	B	0.43	11.5	N/A
North Beach Street southbound	A	0.19	9.1	N/A
Easton Street eastbound	A	0.26	9.8	N/A
Easton Street westbound	A	0.20	9.6	N/A

**Table 2-3**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Center, Broad and Gay Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Center Street northbound	A	0.03	1.5	2
Center Street southbound	A	0.10	5.0	9
<i>Weekday P.M.</i>				
Center Street northbound	A	0.02	0.9	1
Center Street southbound	A	0.11	5.1	9
<i>Saturday Midday</i>				
Center Street northbound	A	0.02	1.0	2
Center Street southbound	A	0.13	5.1	11

**Table 2-4**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Broad and North Water Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Broad Street eastbound	A	0.08	3.1	6
Broad Street westbound	A	0.08	0.0	0
<i>Weekday P.M.</i>				
Broad Street eastbound	A	0.06	2.4	5
Broad Street westbound	A	0.08	0.0	0
<i>Saturday Midday</i>				
Broad Street eastbound	A	0.09	3.5	8
Broad Street westbound	A	0.08	0.0	0

**Table 2-5  
 INTERSECTION CAPACITY AND QUEUE ANALYSIS  
 Nantucket Downtown Circulation and Ferry Access Study  
 2007 Existing Conditions**

**Broad Street, South Beach Street and South Beach Street Extension**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/ CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
South Beach Street southbound	F	1.42	270.7	381
Broad Street eastbound	B	0.11	10.0	9
Broad Street westbound	A	0.01	0.3	1
<i>Weekday P.M.</i>				
South Beach Street	F	1.77	420.8	522
Broad Street eastbound	B	0.14	10.4	12
Broad Street westbound	A	0.02	0.5	1
<i>Saturday Midday</i>				
South Beach Street	F	1.11	155.0	244
Broad Street eastbound	A	0.05	8.6	4
Broad Street westbound	A	0.01	0.2	1

**Table 2-5a**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**(With two-way operation of Oak Street)**

**Broad Street, South Beach Street and South Beach Street Extension**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/ CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
South Beach Street southbound	F	1.28	208.9	340
Broad Street eastbound	A	0.10	9.7	8
Broad Street westbound	A	0.01	0.3	1
<i>Weekday P.M.</i>				
South Beach Street	F	1.59	334.9	475
Broad Street eastbound	A	0.13	9.9	11
Broad Street westbound	A	0.02	0.6	1
<i>Saturday Midday</i>				
South Beach Street	F	1.01	119.4	216
Broad Street eastbound	A	0.05	8.4	4
Broad Street westbound	A	0.01	0.3	1

**Table 2-6**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Broad and Easy Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Easy Street northbound left	B	0.41	12.8	51
Easy Street northbound right	A	0.15	9.4	13
<i>Weekday P.M.</i>				
Easy Street northbound left	B	0.45	14.0	58
Easy Street northbound right	A	0.14	9.4	12
<i>Saturday Midday</i>				
Easy Street northbound left	B	0.43	13.5	54
Easy Street northbound right	A	0.18	9.6	17

**Table 2-6a**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**(With two-way operation of Oak Street)**  
**Broad and Easy Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Easy Street northbound left	B	0.31	11.7	34
Easy Street northbound right	A	0.15	9.4	13
<i>Weekday P.M.</i>				
Easy Street northbound left	B	0.33	12.5	36
Easy Street northbound right	A	0.14	9.4	12
<i>Saturday Midday</i>				
Easy Street northbound left	B	0.34	12.3	37
Easy Street northbound right	A	0.18	9.6	17

**Table 2-7**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Center, Chestnut and Hussey Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Center Street northbound	A	0.04	1.8	.
Center Street southbound	A	0.04	0.0	0
Chestnut Street westbound	C	0.24	17.2	23
<i>Weekday P.M.</i>				
Center Street northbound	A	0.03	1.6	2
Center Street southbound	A	0.02	0.0	0
Chestnut Street westbound	C	0.18	16.3	16
<i>Saturday Midday</i>				
Center Street northbound	A	0.03	1.8	3
Center Street southbound	A	0.04	0.0	0
Chestnut Street westbound	B	0.13	14.4	11

**Table 2-8**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Federal and Chestnut Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Federal Street northbound	A	0.02	1.7	1
Federal Street southbound	A	0.12	0.0	0
Chestnut Street westbound	B	0.05	13.2	4
<i>Weekday P.M.</i>				
Federal Street northbound	A	0.02	2.1	2
Federal Street southbound	A	0.11	0.0	0
Chestnut Street westbound	B	0.03	13.2	2
<i>Saturday Midday</i>				
Federal Street northbound	A	0.01	1.3	1
Federal Street southbound	A	0.10	0.0	0
Chestnut Street westbound	B	0.05	12.5	4

**Table 2-9**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**South Water and Oak Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
South Water Street southbound	A	0.02	0.9	2
Oak Street westbound	B	0.03	11.7	2
<i>Weekday P.M.</i>				
South Water Street southbound	A	0.02	0.8	2
Oak Street westbound	B	0.04	12.4	3
<i>Saturday Midday</i>				
South Water Street southbound	A	0.03	1.2	2
Oak Street westbound	B	0.01	11.9	1

**Table 2-9a**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**(With two-way operation of Oak Street)**  
**South Water and Oak Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
South Water Street southbound	A	0.02	1.0	2
Oak Street westbound	B	0.15	11.8	13
<i>Weekday P.M.</i>				
South Water Street southbound	A	0.02	0.9	2
Oak Street westbound	B	0.17	12.5	16
<i>Saturday Midday</i>				
South Water Street southbound	A	0.03	1.4	2
Oak Street westbound	B	0.13	11.9	11

**Table 2-10**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Center and India Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Middy</i>				
Center Street northbound	A	0.16	0.0	0
Center Street southbound left	A	0.04	8.6	3
India Street eastbound	C	0.32	22.1	34
<i>Weekday P.M.</i>				
Center Street northbound	A	0.14	0.0	0
Center Street southbound left	A	0.03	8.4	2
India Street eastbound	C	0.26	19.4	26
<i>Saturday Middy</i>				
Center Street northbound	A	0.14	0.0	0
Center Street southbound left	A	0.05	8.5	4
India Street eastbound	C	0.38	23.0	43

**Table 2-11  
 INTERSECTION CAPACITY AND QUEUE ANALYSIS  
 Nantucket Downtown Circulation and Ferry Access Study  
 2007 Existing Conditions  
 Federal and India Streets**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/ CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
Federal Street northbound	A	0.05	0.0	0
Federal Street southbound	A	0.02	1.6	2
India Street eastbound	C	0.43	20.0	52
<i>Weekday P.M.</i>				
Federal Street northbound	A	0.05	0.0	0
Federal Street southbound	A	0.02	1.9	2
India Street eastbound	C	0.33	17.4	36
<i>Saturday Midday</i>				
Federal Street northbound	A	0.04	0.0	0
Federal Street southbound	A	0.04	2.5	3
India Street eastbound	C	0.53	24.8	75

**Table 2-12**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Easy and Cambridge Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
East Street northbound	A	0.16	0.0	0
Cambridge Street eastbound	B	0.19	14.7	17
Cambridge Street (Wharf) westbound	B	0.02	11.2	1
<i>Weekday P.M.</i>				
East Street northbound	A	0.17	0.0	0
Cambridge Street eastbound	B	0.14	14.3	13
Cambridge Street (Wharf) westbound	B	0.02	11.1	1
<i>Saturday Midday</i>				
East Street northbound	A	0.17	0.0	0
Cambridge Street eastbound	B	0.18	14.8	16
Cambridge Street (Wharf) westbound	B	0.02	11.4	1

**Table 2-13**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Main, Center, Orange and Liberty Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Main Street eastbound	A	N/A	5.4	19
Main Street westbound	A	N/A	2.2	56
<i>Weekday P.M.</i>				
Main Street eastbound	A	N/A	7.5	34
Main Street westbound	A	N/A	2.4	69
<i>Saturday Midday</i>				
Main Street eastbound	C	N/A	18.3	80
Main Street westbound	A	N/A	2.4	123

**Table 2-14**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Main, Union and North Union Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday MIDDAY</i>				
Main Street westbound	A	0.12	0.0	0
North Union Street northbound	C	0.33	15.1	36
<i>Weekday P.M.</i>				
Main Street westbound	A	0.12	0.0	0
North Union Street northbound	C	0.28	14.4	28
<i>Saturday MIDDAY</i>				
Main Street westbound	A	0.12	0.0	0
North Union Street northbound	C	0.38	18.6	43

**Table 2-15**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Main, Easy and Candle Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Candle Street northbound	A	0.06	2.5	5
Main Street (Wharf) westbound	C	0.34	15.4	37
<i>Weekday P.M.</i>				
Candle Street northbound	A	0.03	1.3	2
Main Street (Wharf) westbound	B	0.21	12.6	20
<i>Saturday Midday</i>				
Candle Street northbound	A	0.07	2.9	6
Main Street (Wharf) westbound	B	0.35	14.9	39

**Table 2-16**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Salem and Washington Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Washington Street southbound	A	0.09	2.6	8
Salem Street eastbound	C	0.36	20.4	40
<i>Weekday P.M.</i>				
Washington Street southbound	A	0.22	6.6	21
Salem Street eastbound	C	0.27	21.8	27
<i>Saturday Midday</i>				
Washington Street southbound	A	0.07	2.2	6
Salem Street eastbound	C	0.26	17.0	25

**Table 2-17**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Washington, Coffin and Commercial Streets**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/ CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
Washington Street northbound	A	0.02	0.7	2
Washington Street southbound	A	0.01	0.4	1
Coffin Street eastbound	C	0.06	16.1	5
Commercial Street westbound	C	0.06	20.2	4
<i>Weekday P.M.</i>				
Washington Street northbound	A	0.1	0.4	1
Washington Street southbound	A	0.0	0.0	0
Coffin Street eastbound	C	0.05	17.8	4
Commercial Street westbound	C	0.03	18.8	2
<i>Saturday Midday</i>				
Washington Street northbound	A	0.01	0.5	1
Washington Street southbound	A	0.01	0.2	0
Coffin Street eastbound	C	0.14	16.9	12
Commercial Street westbound	C	0.07	20.5	5

**Table 2-18  
 INTERSECTION CAPACITY AND QUEUE ANALYSIS  
 Nantucket Downtown Circulation and Ferry Access Study  
 2007 Existing Conditions  
 Washington and Francis Streets**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
Washington Street northbound	B	N/A	12.5	
Washington Street southbound	A	N/A	1.9	
Francis Street	A	N/A	6.4	
<i>Weekday P.M.</i>				
Washington Street northbound	B	N/A	10.7	
Washington Street southbound	A	N/A	2.0	
Francis Street	A	N/A	7.5	
<i>Saturday Midday</i>				
Washington Street northbound	B	N/A	11.6	
Washington Street southbound	A	N/A	2.2	
Francis Street	A	N/A	8.2	

**Table 2-18a**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**With Improvements**  
**Washington and Francis Streets**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
Washington Street northbound	A	0.07	9.0	
Washington Street southbound	B	0.52	12.1	
Francis Street	B	0.51	13.3	
<i>Weekday P.M.</i>				
Washington Street northbound	A	0.10	9.4	
Washington Street southbound	B	0.51	13.3	
Francis Street	B	0.52	14.0	
<i>Saturday Midday</i>				
Washington Street northbound	A	0.08	9.4	
Washington Street southbound	C	0.64	15.3	
Francis Street	C	0.59	15.8	

**Table 2-19**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Broad and Federal Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Federal Street northbound	B	0.17	12.2	15
Broad Street eastbound	A	0.18	0.0	0
Broad Street westbound left	A	0.10	8.5	8
<i>Weekday P.M.</i>				
Federal Street northbound	B	0.12	11.1	10
Broad Street eastbound	A	0.18	0.0	0
Broad Street westbound left	A	0.09	8.5	8
<i>Saturday Midday</i>				
Federal Street northbound	B	0.13	11.4	11
Broad Street eastbound	A	0.20	0.0	0
Broad Street westbound left	A	0.09	8.6	8

**Table 2-20**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Broad and South Water Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday MIDDAY</i>				
Broad Street eastbound	A	0.12	0.0	0
Broad Street westbound	A	0.19	6.0	17
<i>Weekday P.M.</i>				
Broad Street eastbound	A	0.14	0.0	0
Broad Street westbound	A	0.24	6.7	24
<i>Saturday MIDDAY</i>				
Broad Street eastbound	A	0.12	0.0	0
Broad Street westbound	A	0.16	5.5	14

**Table 2-20a**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**(With two-way operation of Oak Street)**  
**Broad and South Water Streets**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
Broad Street eastbound	A	0.12	0.0	0
Broad Street westbound	A	0.13	5.1	11
<i>Weekday P.M.</i>				
Broad Street eastbound	A	0.14	0.0	0
Broad Street westbound	A	0.18	5.9	16
<i>Saturday Midday</i>				
Broad Street eastbound	A	0.12	0.0	0
Broad Street westbound	A	0.11	4.5	9

**Table 2-21**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Easy and Oak Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Easy Street northbound	A	0.23	0.0	0
Oak Street eastbound left	B	0.12	11.6	10
<i>Weekday P.M.</i>				
Easy Street northbound	A	0.21	0.0	0
Oak Street eastbound left	B	0.13	11.5	10
<i>Saturday Midday</i>				
Easy Street northbound	A	0.24	0.0	0
Oak Street eastbound left	B	0.14	12.0	12

**Table 2-21a**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**(With two-way operation of Oak Street)**  
**Easy and Oak Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday MIDDAY</i>				
Easy Street northbound	A	0.05	1.8	4
Oak Street eastbound left	B	0.14	12.9	12
<i>Weekday P.M.</i>				
Easy Street northbound	A	0.05	2.0	4
Oak Street eastbound left	B	0.15	12.8	13
<i>Saturday MIDDAY</i>				
Easy Street northbound	A	0.04	1.5	3
Oak Street eastbound left	B	0.16	13.2	14

**Table 2-22**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**South Water and India Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
South Water Street southbound	A	0.20	0.0	0
India Street right eastbound	B	0.32	14.7	34
<i>Weekday P.M.</i>				
South Water Street southbound	A	0.23	0.0	2
India Street right eastbound	B	0.22	14.0	21
<i>Saturday Midday</i>				
South Water Street southbound	A	0.18	13.9	0
India Street right eastbound	B	0.29	14.0	29

**Table 2-23**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Main and Federal Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Main Street westbound	A	0.20	0.0	0
Federal Street southbound right	C	0.36	17.5	41
<i>Weekday P.M.</i>				
Main Street westbound	A	0.19	0.0	0
Federal Street southbound right	C	0.42	18.7	51
<i>Saturday Midday</i>				
Main Street westbound	A	0.19	0.0	0
Federal Street southbound right	C	0.43	18.8	53

**Table 2-24**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Main and South Water Streets**

APPROACH	LEVEL OF SERVICE	VOLUME/ CAPACITY RATIO	DELAY (SECONDS)	QUEUE (FEET)
<i>Weekday Midday</i>				
Main Street westbound				
South Water Street	D	0.65	33.4	108
southbound right	A	0.09	0.0	0
southbound through	A	0.25	0.0	0
<i>Weekday P.M.</i>				
Main Street westbound				
South Water Street	E	0.57	37.7	81
southbound right	A	0.09	0.0	0
southbound through	A	0.20	0.0	0
<i>Saturday Midday</i>				
Main Street westbound				
South Water Street	F	0.94	87.9	209
southbound right	A	0.06	0.0	0
southbound through	A	0.24	0.0	0

**Table 2-25**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**2007 Existing Conditions**  
**Candle and Salem Streets**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/ CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
Candle Street northbound	C	0.54	17.7	80
Salem Street eastbound	A	0.09	5.0	8
<i>Weekday P.M.</i>				
Candle Street northbound	C	0.63	23.7	108
Salem Street eastbound	A	0.13	4.2	11
<i>Saturday Midday</i>				
Candle Street northbound	C	0.49	15.5	67
Salem Street eastbound	A	0.08	5.0	6

**Table 2-25a**  
**INTERSECTION CAPACITY AND QUEUE ANALYSIS**  
**Nantucket Downtown Circulation and Ferry Access Study**  
**With Improvements**  
**Candle and Salem Streets**

<b>APPROACH</b>	<b>LEVEL OF SERVICE</b>	<b>VOLUME/ CAPACITY RATIO</b>	<b>DELAY (SECONDS)</b>	<b>QUEUE (FEET)</b>
<i>Weekday Midday</i>				
Candle Street northbound	B	0.39	10.1	--
Salem Street eastbound	B	0.32	10.1	--
<i>Weekday P.M.</i>				
Candle Street northbound	B	0.41	11.0	--
Salem Street eastbound	B	0.56	13.6	--
<i>Saturday Midday</i>				
Candle Street northbound	A	0.38	9.7	--
Salem Street eastbound	A	0.25	9.4	--