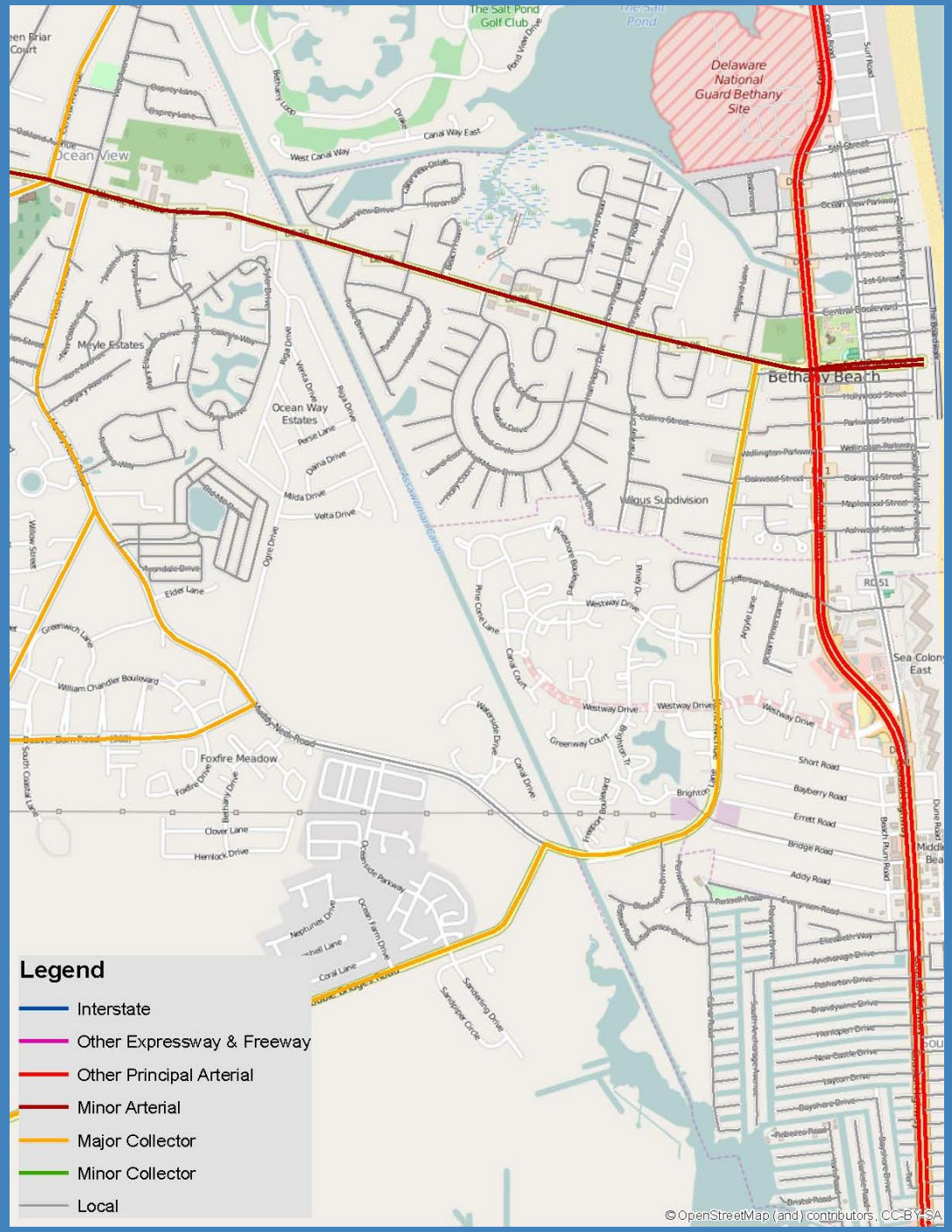
South Bethany
Traffic Calming/Pedestrian Safety Study

Town of South Bethany Traffic Committee

DelDOT Road Functional Classification



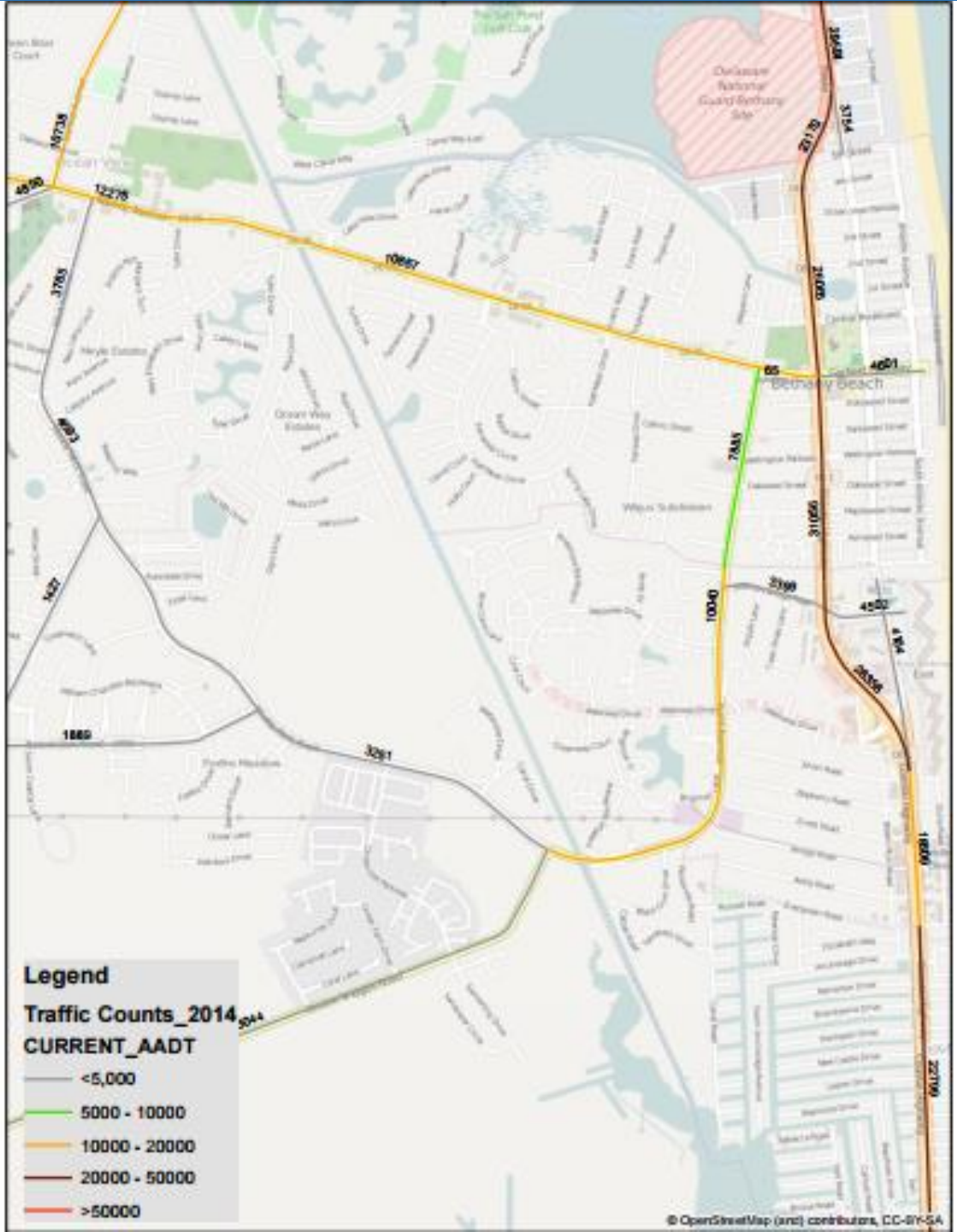
Traffic Counts

Proposed as of 2006

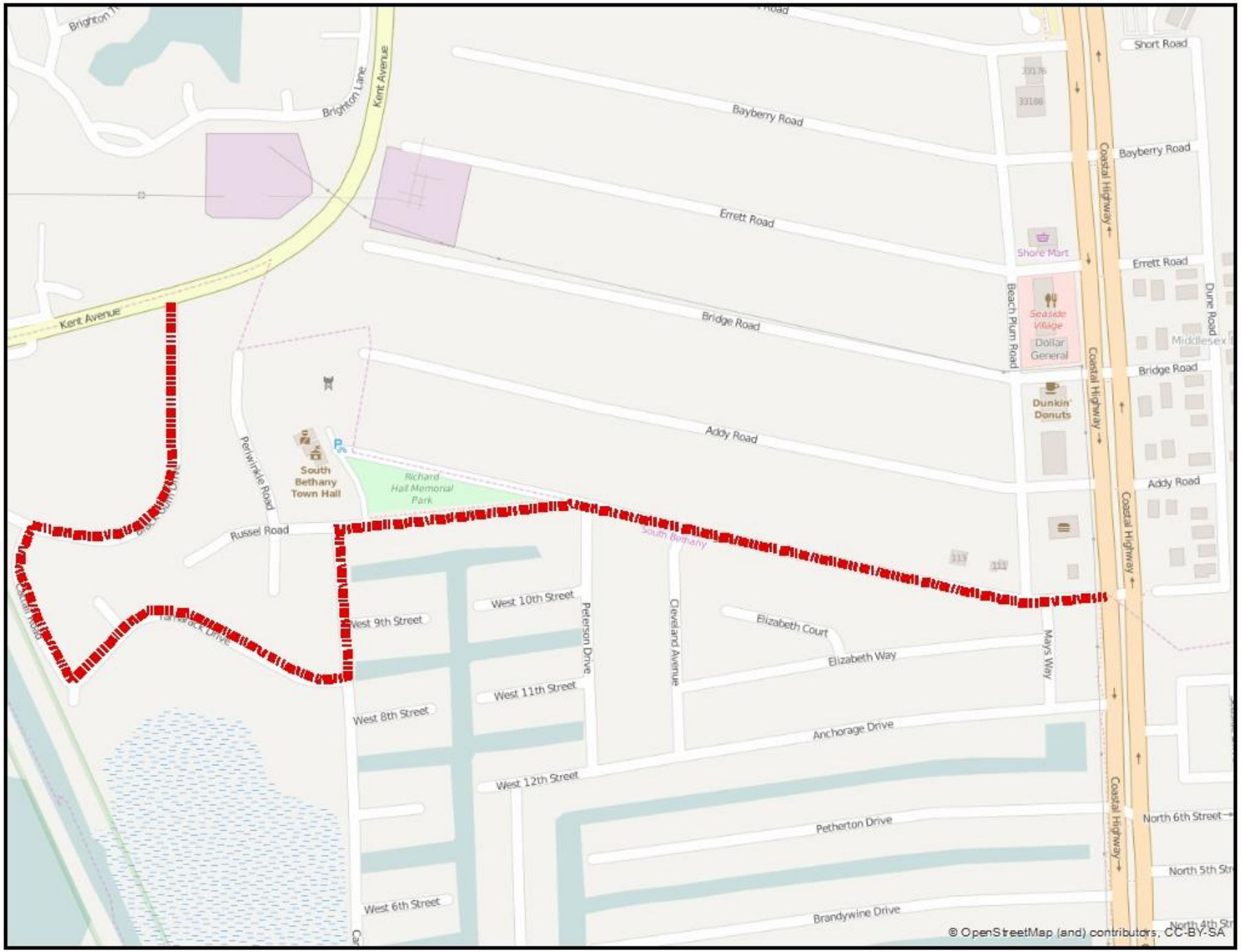
9,200 dwelling units

415,000 sq. ft. retail

134,000 sq. ft. office



Study Route


Brighton Lane
Kent Avenue
Bayberry Road
Errett Road
Bridge Road
Addy Road
Short Road
Coastal Highway
Shore Mart
Seaside Village
Dollar General
Dunkin' Donuts
Beach Plum Road
Dune Road
Middlesex
Kent Avenue
Periwinkle Road
South Bethany Town Hall
Richard Hall Memorial Park
Russel Road
South Bethany
West 10th Street
West 9th Street
West 11th Street
West 8th Street
West 12th Street
West 6th Street
Peterson Drive
Cleveland Avenue
Elizabeth Court
Elizabeth Way
Mays Way
Anchorage Drive
Petherton Drive
Brandywine Drive
North 6th Street
North 5th Str
North 4th Str
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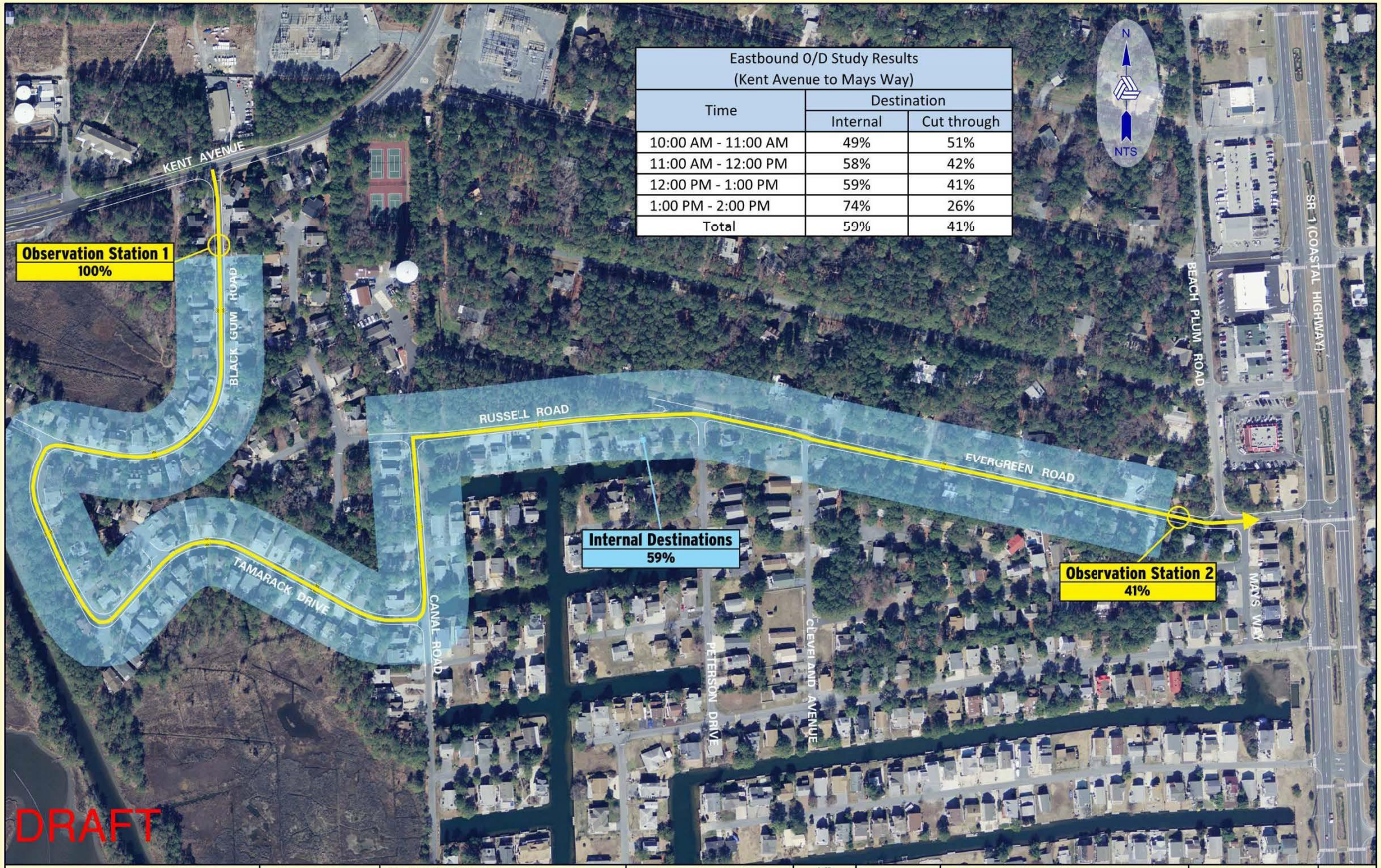
Collector Road

DelDOT Subdivision Collector

Neighborhood Street



Eastbound O/D Study Results (Kent Avenue to Mays Way)		
Time	Destination	
	Internal	Cut through
10:00 AM - 11:00 AM	49%	51%
11:00 AM - 12:00 PM	58%	42%
12:00 PM - 1:00 PM	59%	41%
1:00 PM - 2:00 PM	74%	26%
Total	59%	41%

DELAWARE DEPARTMENT OF TRANSPORTATION

TRAFFIC SECTION

PREPARED BY: RUMMEL, KLEPPER & KAHL, LLP 110 S. POPLAR STREET, SUITE 102 WILMINGTON, DE 19801 RK&K

SCALE 0 N/A N/A N/A FEET

DATE JUNE 29, 2016

COUNTY SUSSEX

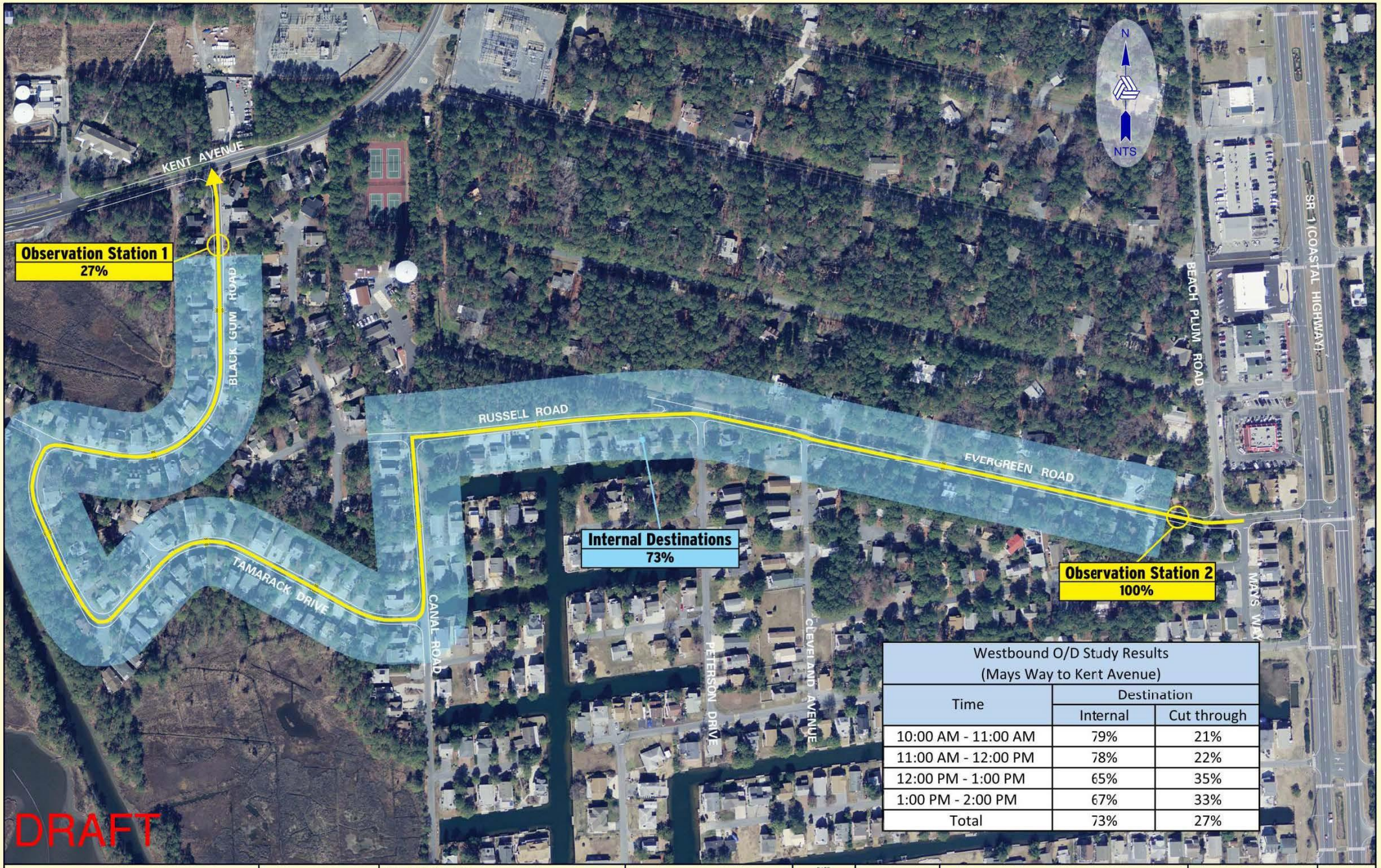
DRAWN BY: BML

CHECKED BY: GBP

South Bethany
License Plate Origin/Destination Study
May 28, 2016 (10:00 AM - 2:00 PM)

Eastbound O-D Patterns

FIGURE 3



Westbound O/D Study Results (Mays Way to Kent Avenue)		
Time	Destination	
	Internal	Cut through
10:00 AM - 11:00 AM	79%	21%
11:00 AM - 12:00 PM	78%	22%
12:00 PM - 1:00 PM	65%	35%
1:00 PM - 2:00 PM	67%	33%
Total	73%	27%

DELAWARE DEPARTMENT OF TRANSPORTATION

TRAFFIC SECTION

PREPARED BY: RUMMEL, KLEPPER & KAHL, LLP 110 S. POPLAR STREET, SUITE 102 WILMINGTON, DE 19801 RK&K

SCALE 0 N/A N/A N/A FEET

DATE JUNE 29, 2016 | COUNTY SUSSEX | DRAWN BY: BML | CHECKED BY: GBP

South Bethany
License Plate Origin/Destination Study
May 28, 2016 (10:00 AM - 2:00 PM)

Westbound O-D Patterns

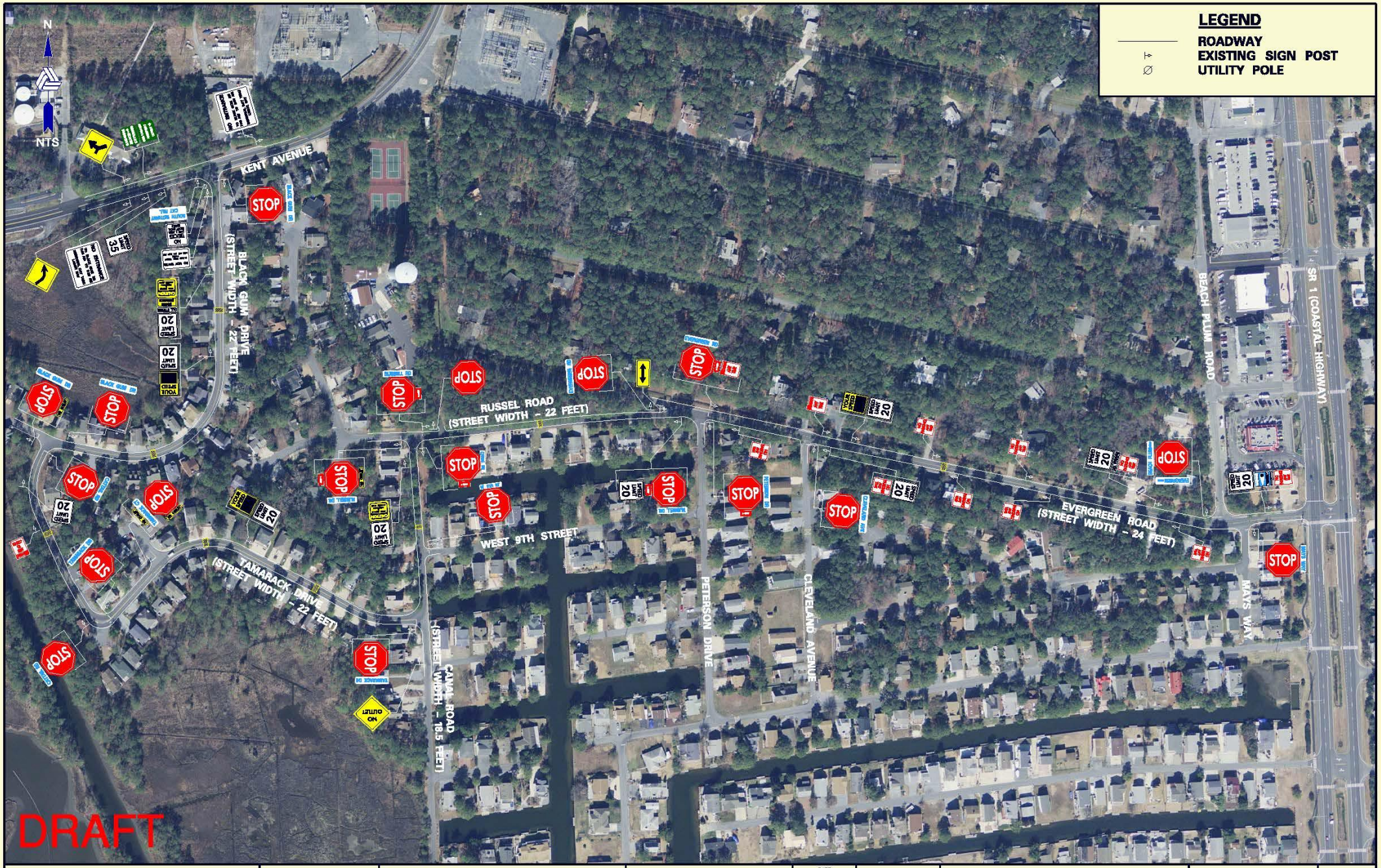
FIGURE 4

Daily Total Speeds Report

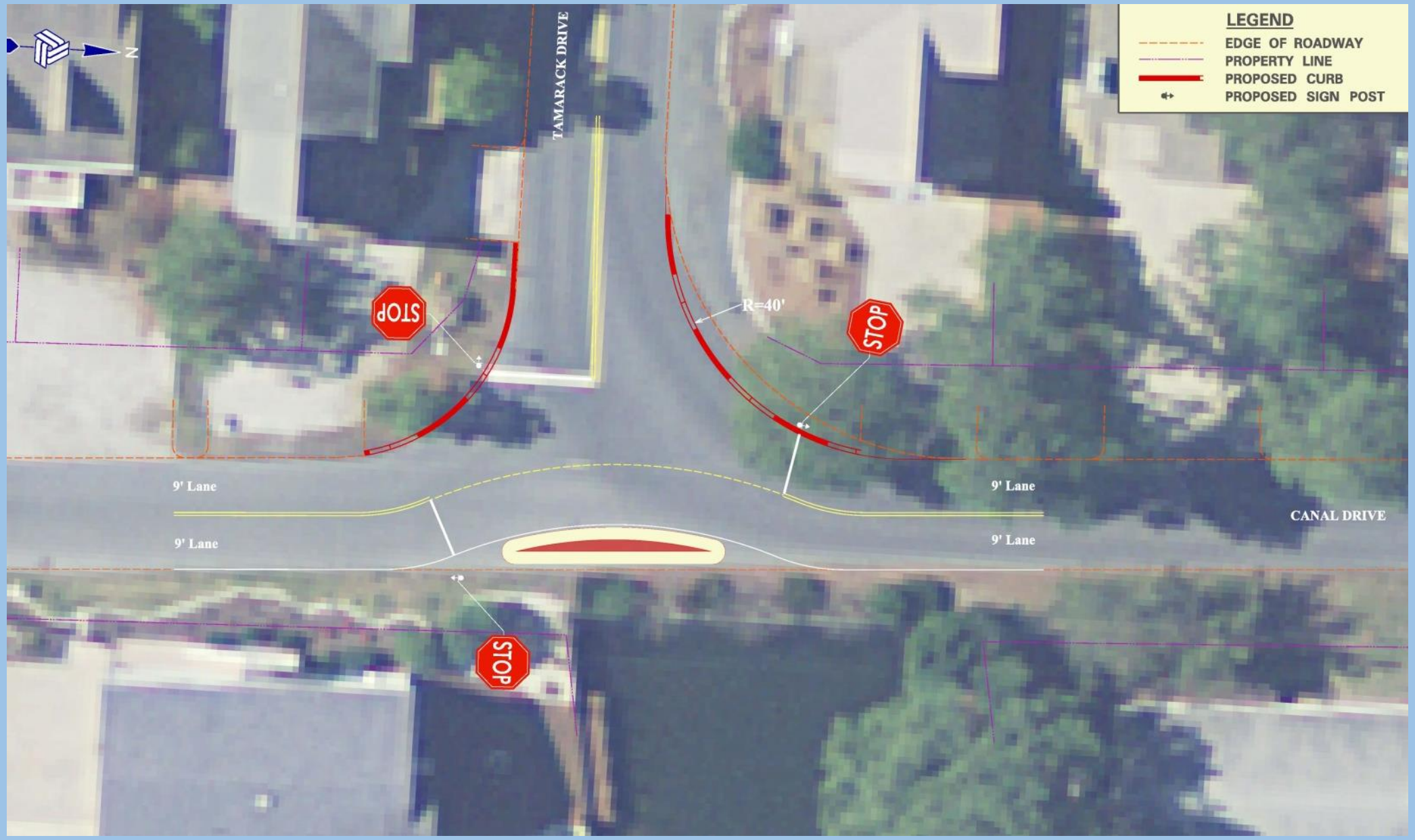
Location: Black Gum
Unit ID: Delaware DOT/29798
Study Date: Saturday - July 02, 2016
Posted Speed: 25

Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-99	Total
00:00 - 00:59	0	10	7	0	0	0	0	0	0	0	0	0	0	0	0	17
01:00 - 01:59	0	7	4	1	0	0	0	0	0	0	0	0	0	0	0	12
02:00 - 02:59	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00 - 03:59	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
04:00 - 04:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 - 05:59	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	5
06:00 - 06:59	2	14	6	0	0	0	0	0	0	0	0	0	0	0	0	22
07:00 - 07:59	6	20	5	2	0	0	0	0	0	0	0	0	0	0	0	33
08:00 - 08:59	22	50	10	0	0	0	0	0	0	0	0	0	0	0	0	82
09:00 - 09:59	18	99	29	1	0	0	0	0	0	0	0	0	0	0	0	147
10:00 - 10:59	45	209	75	3	0	0	0	0	0	0	0	0	0	0	0	332
11:00 - 11:59	41	206	59	7	0	0	0	0	0	0	0	0	0	0	0	313
12:00 - 12:59	42	177	71	8	0	0	0	0	0	0	0	0	0	0	0	298
13:00 - 13:59	19	84	48	4	0	0	0	0	0	0	0	0	0	0	0	155
14:00 - 14:59	11	70	33	4	0	0	0	0	0	0	0	0	0	0	0	118
15:00 - 15:59	15	66	41	3	0	0	0	0	0	0	0	0	0	0	0	125
16:00 - 16:59	17	84	23	1	0	0	0	0	0	0	0	0	0	0	0	125
17:00 - 17:59	12	100	39	3	0	0	0	0	0	0	0	0	0	0	0	154
18:00 - 18:59	17	69	35	2	0	0	0	0	0	0	0	0	0	0	0	123
19:00 - 19:59	11	50	24	0	0	0	0	0	0	0	0	0	0	0	0	85
20:00 - 20:59	8	33	10	1	0	0	0	0	0	0	0	0	0	0	0	52
21:00 - 21:59	4	28	10	3	0	0	0	0	0	0	0	0	0	0	0	45
22:00 - 22:59	2	16	8	0	0	0	0	0	0	0	0	0	0	0	0	26
23:00 - 23:59	0	12	8	0	0	0	0	0	0	0	0	0	0	0	0	20
Totals	293	1410	548	43	0	0	0	0	0	0	0	0	0	0	0	2294
Percent of Totals	12	61	23	1	0	0	0	0	0	0	0	0	0	0	0	100
Percent of AM	5	27	8	0	0	0	0	0	0	0	0	0	0	0	0	42
Percent of PM	6	34	15	1	0	0	0	0	0	0	0	0	0	0	0	57

Standard Deviation:	3.56	Ten Mile Pace:	15 to 24	85th Percentile:	22.24
Mean Speed:	17.92	Percent in Ten Mile Pace:	85.35		
Median Speed:	18.75			15th Percentile:	15.18
Modal Speed:	18.03			90th Percentile:	23.29
				95th Percentile:	24.34



DELAWARE DEPARTMENT OF TRANSPORTATION	TRAFFIC SECTION	PREPARED BY: RUNNEL, KLEPPER & KAHL, LLP 119 S. POPLAR STREET, SUITE 102 WILMINGTON, DE 19801 RK&K	SCALE 0 N/A N/A N/A FEET	DATE JUNE 29, 2016	DRAWN BY: BML	SOUTH BETHANY STUDY ROUTE	EXISTING CONDITION DIAGRAM	FIGURE 2
				COUNTY SUSSEX	CHECKED BY: GBP			



Redesign of Canal Drive & Tamarack Drive

	5-Jul-16												
								Impact On					
	Traffic Control Measure	Cut Thru Volume Reduction	Speed Reduction	Pedestrian Safety	Bike Safety	Renters	Town Residents	Route Residents	Contractors	View Shed	Parking	Implementation time	Cost
1	Sidewalks:												
	a. Both sides												
	b. One side												
	c. Sidewalk one side as part of Cartway												
2	Unobstructed Road Shoulders												
3	No Left Turn NB at Black Gum/Kent:												
	a. Signage + Barricade Only												
	b. Right Turn Only Lane with Raised Pork Chop												
4	Closing Black Gum at Kent Ave.												
5	Reduce Speed Limit 15 mph												
6	Open Pine Street												
	a. One Way - Cat Hill Section												
	b. One Way Pair with Pine St.												
7	Dedicated Right-turn Lane Evergreen/Route 1												
8	Gated Community												
9	Cat Hill De- Annexation												
10	Comprehensive Transportation Study												

Public Comment