



# KIAWAH ISLAND PARKWAY TRAFFIC UPDATE

Town of Kiawah Island  
2023

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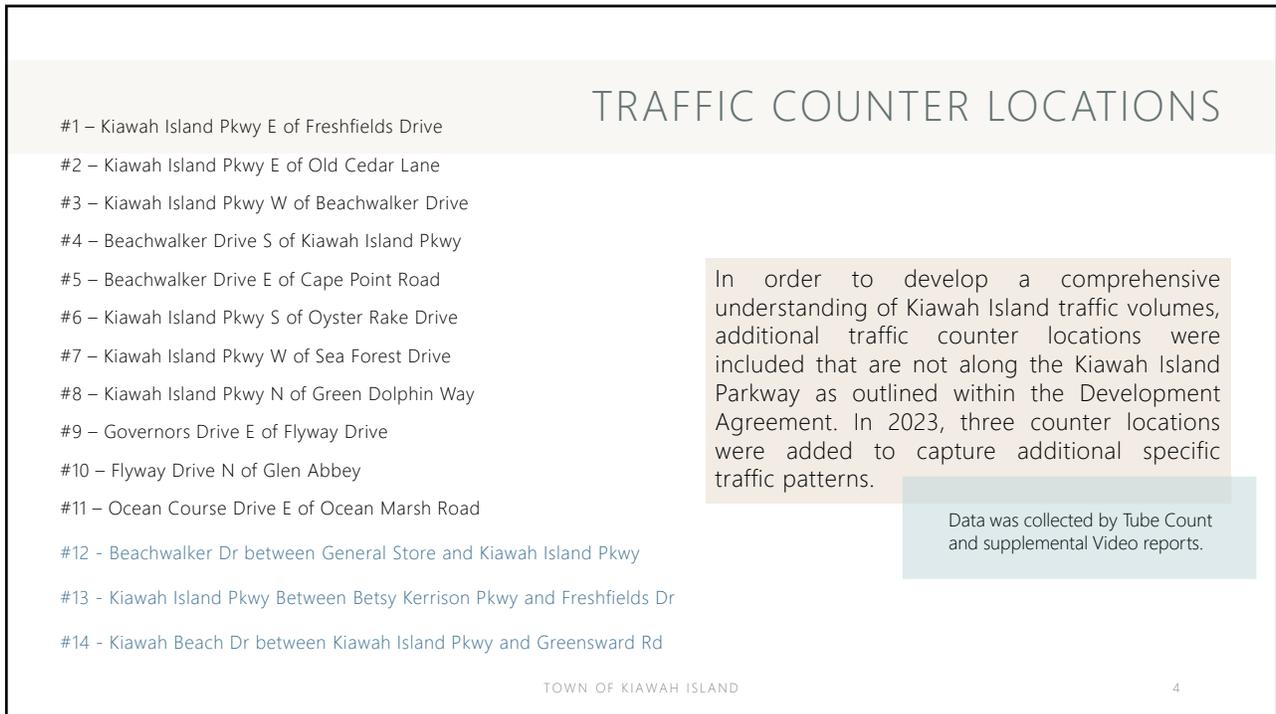
## INTRODUCTION

The Town monitors traffic along the road it maintains, including the Kiawah Island Parkway and Beachwalker Drive. In 2023, the Town contracted with Quality Counts, LLC to conduct traffic counts along the Kiawah Island Parkway as well as Beachwalker Drive, Flyway Drive, Governors Drive, Ocean Course Drive and Kiawah Beach Drive for a comprehensive understanding of overall Kiawah Island traffic volumes.

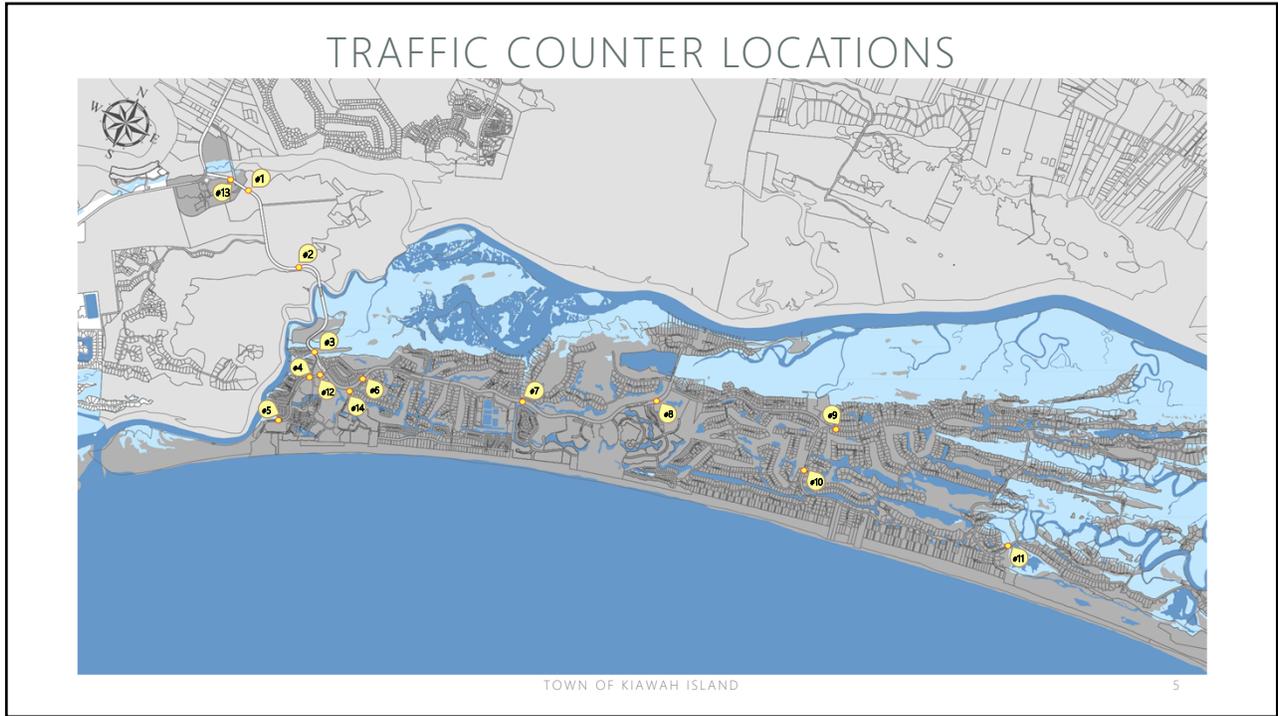
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Type of report: Tube Count - Volume Data

LOCATION: Kiawah Island Pkwy E of Freshfields Dr (consolidated volume) QC JOB #: 16162349  
 SPECIFIC LOCATION: DIRECTION: EB  
 CITY/STATE: Kiawah Island, SC DATE: Jun 1 2023 - Jun 14 2023

Start Time	Mon 5 Jun 23	Tue 6 Jun 23	Wed 7 Jun 23	Thu 8 Jun 23	Fri 9 Jun 23	Average Weekday Hourly Traffic	Sat 10 Jun 23	Sun 11 Jun 23	Average Week Hourly Traffic	Average Week Profile
12:00 AM	8	10	15	10	22	13	33	19	17	
01:00 AM	5	7	2	8	7	6	13	16	8	
02:00 AM	4	2	3	3	8	4	5	5	4	
03:00 AM	2	3	6	8	6	5	1	3	4	
04:00 AM	31	40	28	49	55	41	24	13	34	
05:00 AM	121	134	126	126	120	125	96	78	114	
06:00 AM	392	389	399	411	385	395	258	136	339	
07:00 AM	685	759	773	813	751	756	357	206	621	
08:00 AM	793	841	882	810	772	820	590	359	721	
09:00 AM	662	723	711	707	701	701	600	399	643	
10:00 AM	572	567	578	528	600	569	551	446	549	
11:00 AM	549	570	480	543	610	550	570	484	544	
12:00 PM	532	540	650	564	595	576	556	454	556	
01:00 PM	475	564	501	562	566	534	529	416	516	
02:00 PM	446	464	495	528	487	484	549	412	483	
03:00 PM	407	416	434	477	455	438	544	377	444	
04:00 PM	347	285	365	423	377	359	529	352	383	
05:00 PM	330	265	320	394	311	324	464	294	340	
06:00 PM	296	309	295	324	335	312	441	246	321	
07:00 PM	247	243	248	271	295	261	362	113	254	
08:00 PM	256	251	252	316	290	273	276	181	260	
09:00 PM	135	165	26	215	223	153	206	134	158	
10:00 PM	77	70	16	115	124	80	102	53	80	
11:00 PM	24	24	32	42	47	34	43	32	35	
<b>Day Total</b>	<b>7396</b>	<b>7641</b>	<b>7637</b>	<b>8247</b>	<b>8142</b>	<b>7813</b>	<b>7699</b>	<b>5228</b>	<b>7428</b>	
% Weekday Average	94.7%	97.8%	97.7%	105.6%	104.2%					
% Week Average	99.6%	102.9%	102.8%	111%	109.6%	105.2%	103.6%	70.4%		
AM Peak Volume	8:00 AM 793	8:00 AM 841	8:00 AM 882	7:00 AM 813	8:00 AM 772	8:00 AM 820	9:00 AM 600	11:00 AM 484	8:00 AM 721	
PM Peak Volume	12:00 PM 532	1:00 PM 564	12:00 PM 650	12:00 PM 564	12:00 PM 595	12:00 PM 576	12:00 PM 556	12:00 PM 454	12:00 PM 556	

Comments:  
Report generated on 7/14/2023 1:47 PM

TOWN OF KIAWAH ISLAND SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>)

QC DATA SET EXAMPLE

Counter Location  
KIP, East of Freshfields Drive

Traffic Direction  
East Bound / West Bound

Counting Period  
June 1<sup>st</sup> – 14<sup>th</sup>

AM / PM Peak Hours  
AM / PM Peak Volumes

Metric  
Vehicles Per Hour





## KIP TRAFFIC SUMMARY (AUGUST)

#13 (KIP) between Betsy Kerrison Pkwy			
Highest AM Peak Volume			
823 vph	24-Aug	EB	8:00 AM
Highest PM Peak Volume			
770 vph	29-Aug	WB	5:00 PM
Highest AM Three Consecutive Day Peak Volume			
727 vph	22-Aug	EB	8:00 AM
823 vph	23-Aug	EB	8:00 AM
711 vph	24-Aug	EB	8:00 AM
Highest PM Three Consecutive Day Peak Volume			
780 vph	16-Aug	EB	8:00 AM
753 vph	17-Aug	EB	8:00 AM
775 vph	18-Aug	EB	8:00 AM
Highest PM Three Consecutive Day Peak Volume			
377 vph	27-Aug	WB	5:00 PM
677 vph	28-Aug	WB	5:00 PM
770 vph	29-Aug	WB	5:00 PM

#1 (KIP) E of Freshfields Drive			
Highest AM Peak Volume			
849 vph	24-Aug	EB	8:00 AM
Highest PM Peak Volume			
814 vph	29-Aug	WB	5:00 PM
Highest AM Three Consecutive Day Peak Volume			
826 vph	23-Aug	EB	8:00 AM
849 vph	24-Aug	EB	8:00 AM
752 vph	25-Aug	EB	8:00 AM
Highest PM Three Consecutive Day Peak Volume			
381 vph	27-Aug	WB	4:00 PM
710 vph	28-Aug	WB	4:00 PM
814 vph	29-Aug	WB	5:00 PM
Highest PM Three Consecutive Day Peak Volume			
758 vph	22-Aug	WB	3:00 PM
702 vph	23-Aug	WB	5:00 PM
751 vph	24-Aug	WB	5:00 PM

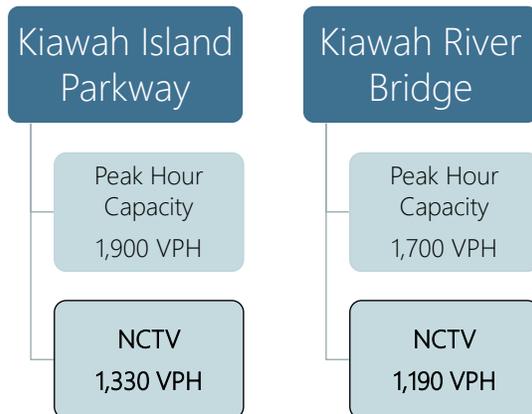
#2 (KIP) E of Old Cedar Lane			
Highest AM Peak Volume			
768 vph	24-Aug	EB	8:00 AM
Highest PM Peak Volume			
752 vph	29-Aug	WB	5:00 PM
Highest AM Three Consecutive Day Peak Volume			
720 vph	23-Aug	EB	8:00 AM
768 vph	24-Aug	EB	8:00 AM
690 vph	25-Aug	EB	8:00 AM
Highest PM Three Consecutive Day Peak Volume			
366 vph	27-Aug	WB	5:00 PM
638 vph	28-Aug	WB	5:00 PM
752 vph	29-Aug	WB	5:00 PM
Highest PM Three Consecutive Day Peak Volume			
666 vph	23-Aug	WB	5:00 PM
717 vph	24-Aug	WB	5:00 PM
644 vph	25-Aug	WB	3:00 PM

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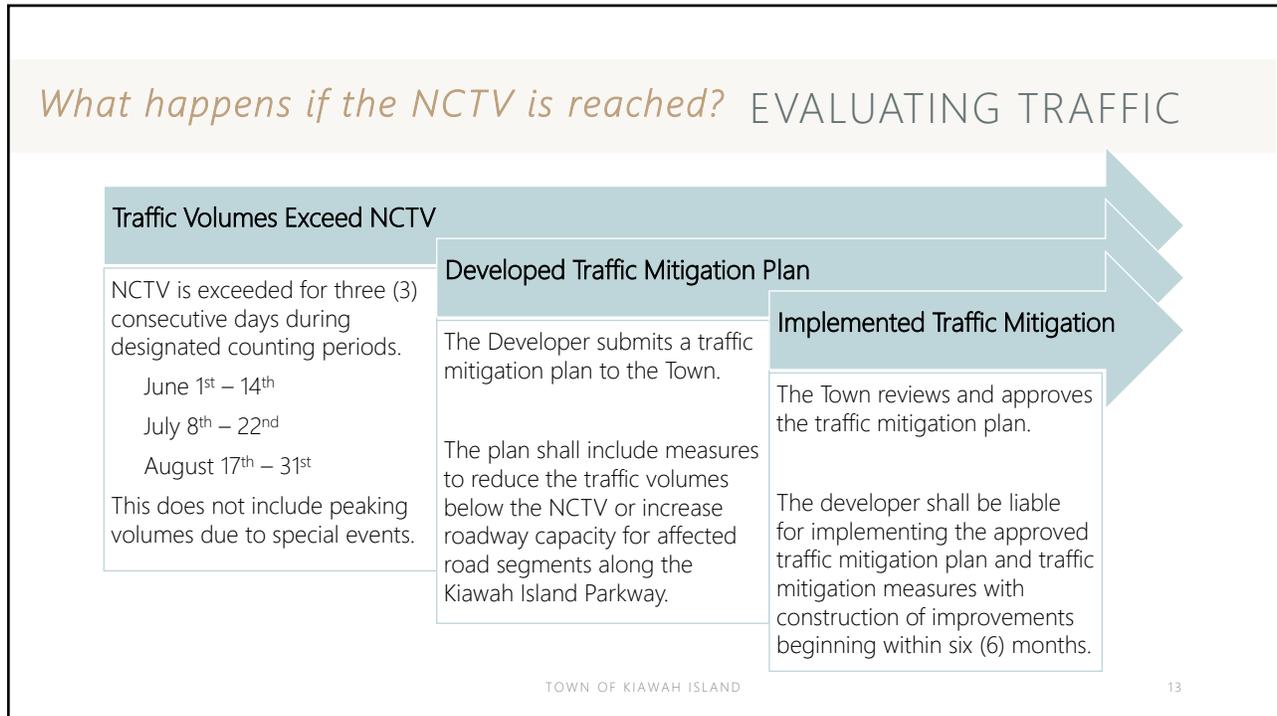
## EVALUATING TRAFFIC

### Near Capacity Traffic Volume (NCTV)

NCTV represents the point at which 70% peak hour capacity is reached on the Kiawah Island Parkway or Kiawah River Bridge determined by vehicles per hour (VPH). In determining the 70% capacity, the NCTV is evaluated per lane for the Kiawah Island Parkway, or the equivalent of one direction as Kiawah Island Parkway East Bound, or Kiawah Island Parkway West Bound.



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## EVALUATING TRAFFIC

### Has the NCTV been reached?

As determined by the standards and criteria outlined within the Development Agreement (Exhibit 10.1), the Near Capacity Traffic Volume has not been reached.

Overall traffic volumes have increased over the previous year however, **traffic volumes have not met or exceeded the near capacity thresholds** for required mitigation measures.

Some traffic mitigation efforts have taken place absent of the required thresholds being met. Furthermore, the Town has proactively studied the KIP for future traffic impacts.

NCTV

Kiawah Island Parkway 1,330 VPH

Kiawah Island Bridge 1,190 VPH

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## ADDITIONAL RESOURCES

The complete traffic data provided by Quality Counts, LLC may be found online at the Towns Development Resources Webpage.

[https://www.kiawahisland.org/traffic\\_studies.php](https://www.kiawahisland.org/traffic_studies.php)