

date: May 21, 2024

to: Jennifer Hofmeister-Drew, AICP, LCAM, Planner III,  
Town of Palm Beach

from: Eric Czerniejewski, P.E., ENV SP

subject: Comprehensive Plan Update- Transportation Element

## MEMORANDUM

The Corradino Group, Inc (Corradino) has been requested to respond to questions from the Planning and Zoning Board on the Origin Destination Analysis included as part of the Townwide Traffic and Parking Study. An excerpt was included as part of the updated Transportation Element. The following are our responses to the questions:

1. Please Would like to see more information here: Of 38,000 trips into town using 5 entry points how do they break down by entry point (thought we had seen something about this earlier) and also in season and out of season?

**TCG Response:** The 5 entry points break down by entry point is documented in the Traffic and Parking Study report (refer to Table 10 – Table 15). The OD data is extracted from the streetlight data, and our analysis periods chosen for this study are from April 1, 2022, to April 30, 2022. Separate analysis based on in-season and out-of-season was not conducted as part of the study.

Table 10 Weekday OD Data Daily

Weekday Daily																						
ORIGIN	DESTINATION														Total (External - Internal Trips)	Total (External - External Trips)	Trips to Town (Streetlight OD data)	AADT 2022	Total Residential	Home-Based Work Trips (Streetlight OD Data)	Shoppers/ Beach Goers	
	North District					Central District					South District											
	Recreational	Commercial	Beaches	Residential	North Total	Recreational	Commercial	Beaches	Residential	Central Total	Recreational	Beaches	Residential	South Total								
Flagler Memorial Bridge	944	730	11	4,121	5,806	-	355	81	2,054	2,490	4	42	65	111	8,407	977	9,384	9,000	6,240	2,110	1,034	
Royal Palm Bridge	1,209	703	4	3,662	5,578	12	1,380	457	6,566	8,415	23	62	103	188	14,181	1,423	15,604	12,500	10,331	4,050	1,223	
Southern Blvd Bridge	165	43	-	593	801	79	281	343	2,804	3,507	92	204	1,393	1,689	5,997	1,050	7,047	4,550	4,790	1,964	293	
Lake Ave Bridge	24	-	-	78	102	2	10	19	111	142	112	2,767	2,574	5,453	5,697	2,908	8,605	7,350	2,763	1,835	4,007	
Zone 1/ Barton Park	68	55	-	206	329	-	164	69	376	609	82	651	1,050	1,783	2,721	2,627	5,348	5,000	1,632	998	2,718	
Grand Total	2,410	1,531	15	8,660	12,616	93	2,190	969	11,911	15,163	313	3,726	5,185	9,224	37,003	8,985	45,988	38,400	25,756	10,957	9,275	

Table 13 Weekend OD Data Daily

Weekend Daily																					
ORIGIN	DESTINATION														Total (External - Internal Trips)	Total (External - External Trips)	Trips to Town (Streetlight OD data)	AADT 2022	Total Residential	Home-Based Work Trips (Streetlight OD Data)	Shoppers/ Beach Goers
	North District					Central District					South District										
	Recreational	Commercial	Beaches	Residential	North Total	Recreational	Commercial	Beaches	Residential	Central Total	Recreational	Beaches	Residential	South Total							
Flagler Memorial Bridge	847	625	3	2,696	4,171	-	235	89	1,441	1,765	-	7	23	30	5,966	1,370	7,336	9,000	4,160	934	2,242
Royal Palm Bridge	1,360	856	19	2,670	4,905	14	1,112	641	5,126	6,893	19	130	135	284	12,082	4,470	16,552	12,500	7,931	1,461	7,160
Southern Blvd Bridge	146	59	7	553	765	29	257	698	2,292	3,276	101	479	1,112	1,692	5,733	2,182	7,915	4,550	3,957	811	3,147
Lake Ave Bridge	43	7	-	89	139	3	7	38	124	172	127	5,879	3,250	9,256	9,567	1,757	11,324	7,350	3,463	1,357	6,504
Zone 1/ Barton Park	81	78	-	258	417	-	138	77	416	631	67	1,528	1,936	3,531	4,579	3,334	7,913	5,000	2,610	493	4,810
Grand Total	2,477	1,625	29	6,266	10,397	46	1,749	1,543	9,399	12,737	314	8,023	6,456	14,793	37,927	13,113	51,040	38,400	22,121	5,056	23,863

2. The weekday and weekend trip #'s do not add up correctly within each category.

**TCG Response:** We have verified the column, and the totals add up correctly. In addition, we have provided the clarification below:

- Recreational+ Commercial+ Beaches+ Residential = Each district trips (North Total \ Central Total \ South Total)
- North Total + Central Total + South Total = Total (External - Internal Trips)
- Total (External - Internal Trips) + Total (External - External Trips) = Total Trips to the Town of Palm Beach (from Streetlight OD data)
- North District (Recreational+ Commercial+ Beaches) + Central District (Recreational+ Commercial+ Beaches)+ South District (Recreational+ Beaches)= 11,247 (weekday) and 15,806 (weekend)

3. What about construction vehicles....this has to be a huge portion of the traffic going to the North End as well as the rest of the Island. Resident traffic?

**TCG Response:** Streetlight data only provides total trips and trip purpose ( Home-based work, Home-based other, and Non-Home-based trips). The streetlight data does not isolate construction vehicles, however, we expanded the streetlight data to match with the traffic counts. The traffic counts contain all vehicles including the construction vehicles.

4. What fills in the spread between 11,247 weekday trips and the AADT of 38,000? and 15,806 on weekends on AADT of 38,000?

**TCG Response:** Streetlight data only provides total trips and trip purpose (Home-based work, Home-based other, and Non-Home-based trips). The streetlight data does not isolate construction vehicles, however, we expanded the streetlight data to match with the traffic counts. The traffic counts contain all vehicles including the construction vehicles.

5. What fills in the spread between 11,247 weekday trips and the AADT of 38,000? and 15,806 on weekends on AADT of 38,000?

**TCG Response:** The difference between 11,247 weekday trips and the AADT of 38,000 represents the trips destined for other zones within the districts. These trips may include residential trips (Home-based work, Home-based other), and Non-Home-based trips, including other work-related trips destined to residential areas (landscaper/plumbers/gas stations etc). The same explanation applies to weekend trips.