

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 | 6,596 | 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.