

Table 02
Roadway Characteristics Inventory
Ayreshire PUD, Clay County, Florida

Link No.	Roadway	Segment	Agency	Speed Limit	Adopted LOS	Adopted LOS Peak Hour MSV	Length (Miles)	Lanes	Facility Type	Area Type	Source	2019 ADT Collected	2019 Peak Hour Volumes	Existing Conditions V/C Ratio
46	CR 220	Swim. Pen Creek Bridge to College Dr.	COUNTY	45	D	2,925	1.70	4 - DIV	Major Collector	Urban	Clay County	33,745	2,961	101.23%
47	CR 220	College Dr. to Knight Boxx Rd.	COUNTY	45	D	2,925	1.40	4 - DIV	Major Collector	Urban	Clay County	31,408	1,859	63.56%
48	CR 220	Knight Boxx Rd. to CR 209	COUNTY	45	E	1,521	1.40	2	Major Collector	Urban	Clay County	21,969	1,730	113.74%
48.1	CR 220	CR 209 to Baxley Rd	COUNTY	45	E	1,521	1.20	2	Major Collector	Urban	Clay County	13,837	1,123	73.83%
49	CR 220	Baxley Rd to SR 21	COUNTY	45	E	1,521	1.80	2	Major Collector	Urban	Clay County	7,943	765	50.30%
50	CR 220-B (Knight Boxx Rd.)	SR 21 to CR 220	COUNTY	35	E	3,060	1.20	4	Major Collector	Urban	Clay County	13,545	1,092	35.69%
51	CR 224 (College Dr.)	SR 21 to CR 220A	COUNTY	45	E	3,060	1.60	4 - DIV	Major Collector	Urban	Clay County	24,246	2,167	70.82%
52	CR 224	CR 220A to CR 220	COUNTY	45	E	3,060	1.10	4 - DIV	Major Collector	Urban	Clay County	21,212	1,920	62.75%
53	CR 315	SR 16 to CR 315B	COUNTY	35	E	1,355	0.80	2	Minor Collector	Urban	Clay County	5,841	562	41.49%
53.1	CR 315	CR 315B to US 17	COUNTY	45	E	1,355	3.40	2	Minor Collector	Urban	Clay County	7,543	671	49.54%
53.2	CR 315B	CR 209 to CR 315	COUNTY	45	E	1,355	0.50	2	Minor Collector	Urban	Clay County	4,092	371	27.39%
54	CR 739	CR 209 to CR 739B	COUNTY	45	E	3,015	2.20	4 - DIV	Minor Collector	Urban	Clay County	11,780	1,077	35.72%
55	CR 739	CR 739B to CR 218	COUNTY	45	E	3,015	1.00	4 - DIV	Minor Collector	Urban	Clay County	11,576	1,036	34.36%
56	CR 739-B (Sandridge Rd.)	Rolling View Blvd to CR 209	COUNTY	45	E	1,161	2.00	2	Minor Collector	Urban	Clay County	6,559	659	56.76%
56.1 (New 4)	CR 739-B (Sandridge Rd.)	CR 739 to Rolling View Blvd.	COUNTY	45	E	1,161	1.80	2	Minor Collector	Urban	Clay County	9,140	873	75.19%
57	Doctors Lake Dr.	Orange Park to Greenridge Rd.	COUNTY	35	E	1,161	2.60	2	Minor Collector	Urban	Clay County	9,775	998	85.96%
58	Doctors Lake Dr.	Greenridge Rd. to Peoria Rd.	COUNTY	35	E	1,161	1.75	2	Minor Collector	Urban	Clay County	6,710	703	60.55%
59	Moody Rd.	Doctors Lake Dr. to Suzanne Ave.	COUNTY	30	E	1,161	1.50	2	Minor Collector	Urban	Clay County	6,771	800	68.91%
60	Moody Rd.	Suzanne Ave. to Peoria Rd.	COUNTY	30	E	1,161	1.95	2	Minor Collector	Urban	Clay County	7,421	860	74.07%
61	Old Jennings Rd.	SR 21 to SR 23	COUNTY	45	E	3,230	1.20	4 - DIV	Minor Collector	Urban	Clay County	20,047	1,852	57.34%
61.1	Old Jennings Rd.	SR 23 to Long Bay Rd	COUNTY	45	E	1,606	2.00	2	Minor Collector	Urban	Clay County	7,998	693	43.16%
62	Peoria Rd.	College Dr. to Moody Rd.	COUNTY	40	E	1,355	0.23	2	Minor Collector	Urban	Clay County	11,719	1,229	90.73%
63	Peoria Rd.	Moody Rd. to Doctors Lake Dr.	COUNTY	40	E	1,355	0.62	2	Minor Collector	Urban	Clay County	6,265	674	49.76%
64	Wells Rd.	SR 21 to Orange Park	COUNTY	45	E	3,015	2.00	4 - DIV	Minor Arterial	Urban	Clay County	21,584	1,860	61.69%
65	Cheswick Oaks Ave.	Duval County Line to End of Pavement	COUNTY	35	E	1,521	1.00	2	Major Collector	Urban	Clay County	9,701	842	55.36%
66	Baxley Rd	SR 21 to CR 220	COUNTY	35	E	1,355	0.50	2	Minor Collector	Urban	Clay County	8,873	766	56.55%
67	Long Bay Rd.	Old Jennings Road to SR 21	COUNTY	45	E	1,355	2.70	2	Minor Collector	Urban	Clay County	4,253	377	27.83%
68 (New 1)	Oakleaf Plantation Pkwy	Argyle Forrest Blvd to Branan Field Chaffee Rd.	COUNTY	45	E	3,060	3.80	4 - DIV	Major Collector	Urban	Clay County	20,075	1,661	54.28%
H	First Coast Expressway	Old Jennings Blvd. to SR 21	FDOT	65	D	6,700		4 - DIV	Freeway	Urban		-	-	0.00%
I	First Coast Expressway	SR 21 to CR 739B	FDOT	65	D	6,700		4 - DIV	Freeway	Urban		-	-	0.00%
J	First Coast Expressway	CR 739B to CR 218 Extension	FDOT	65	D	6,700		4 - DIV	Freeway	Urban		-	-	0.00%
K	First Coast Expressway	CR 218 Extension to SR 16	FDOT	65	D	6,700		4 - DIV	Freeway	Urban		-	-	0.00%
L	First Coast Expressway	SR 16 to US 17	FDOT	65	D	6,700		4 - DIV	Freeway	Urban		-	-	0.00%
M	First Coast Expressway	US 17 to St. Johns County Line	FDOT	65	D	6,700		4 - DIV	Freeway	Urban		-	-	0.00%
N	Oak Ridge Avenue	SR 16 to Green Cove Avenue	City of Green Cove Springs	35	D	1,161		2	Minor Collector	Urban	FDOT	2,200	198	17.05%
O	Oak Ridge Avenue	Green Cove Avenue to Project Entrance	City of Green Cove Springs	35	D	1,161		2	Minor Collector	Urban	FDOT	2,200	198	17.05%
P	Oak Ridge Avenue	Project Entrance to US 17	City of Green Cove Springs	35	D	1,161		2	Minor Collector	Urban	FDOT	2,200	198	17.05%
Q	Green Cove Avenue	US 17 to Oak Ridge Avenue	City of Green Cove Springs	25	D	1,161		2	Local Road	Urban	FDOT	1,600	144	12.40%

Table 03
Project Traffic Distribution and Assignment
Ayreshire PUD, Clay County, Florida

17,115 1,889

Link No.	Roadway	Segment	Adjusted Project Traffic Distribution	Project Traffic Assignment		Peak Hour MSV	Project Traffic % of MSV	Roadway Segment Impacted
				Daily	Peak Hour			
A	US 17	Duval County Line to Wells Rd.	13.40%	2,294	253	8,411	3.01%	No
B	US 17	Wells Rd. to Kingsley Ave.	12.03%	2,058	227	5,390	4.21%	No
C	US 17	Kingsley Ave. to Dr. Inlet Bridge	16.35%	2,798	309	5,390	5.73%	Yes
1	US 17	Dr. Inlet Bridge to Raggedy Point Dr.	16.44%	2,814	311	5,390	5.77%	Yes
1.1	US 17	Raggedy Point Dr. to CR 220	17.04%	2,917	322	5,390	5.97%	Yes
2	US 17	CR 220 to Water Oak Lane	19.11%	3,270	361	8,840	4.08%	No
3	US 17	Water Oak Lane to Black Creek Bridge	20.11%	3,441	380	8,840	4.30%	No
3.1	US 17	Black Creek Bridge to CR 209	20.51%	3,510	387	5,900	6.56%	Yes
4	US 17	CR 209 to Green Cove Springs	23.70%	4,056	448	5,900	7.59%	Yes
D	US 17	Green Cove Springs to SR 16 West	30.87%	5,283	583	2,920	19.97%	Yes
E	US 17	SR 16 East to SR 16 West	35.37%	6,054	668	3,580	18.66%	Yes
F	US 17	SR 16 East to CR 209	40.35%	6,907	762	3,580	21.28%	Yes
G	US 17	CR 209 to CR 226	3.98%	681	75	3,580	2.09%	No
5	US 17	CR 226 to Putnam County Line	3.25%	556	61	4,460	1.37%	No
7	US 301	Duval County Line to CR 218	0.10%	17	2	4,190	0.05%	No
8	US 301	CR 218 to Bradford County Line	0.00%	-	-	3,220	0.00%	No
9	SR 16	Green Cove Springs to Penney Farms	3.11%	532	59	1,550	3.81%	No
10	SR 16	Penney Farms to SR 21	0.09%	15	2	3,070	0.07%	No
11	SR 16	SR 21 to CR 215	0.00%	-	-	5,600	0.00%	No
12	SR 16	CR 215 to End of 4 lane	0.00%	-	-	5,600	0.00%	No
13	SR 16	End of 4 lane to SR 230	0.00%	-	-	2,290	0.00%	No
14	SR 16	SR 230 to Bradford County Line	0.00%	-	-	2,290	0.00%	No
15	SR 16	Shands Bridge	1.53%	262	29	3,070	0.94%	No
16	SR 21	Duval County Line to Wells Rd.	0.38%	65	7	5,130	0.14%	No
17	SR 21	Wells Rd. to Kingsley Ave.	0.10%	17	2	5,390	0.04%	No
18	SR 21	Kingsley Ave. to Suzanne Ave.	0.03%	5	1	5,130	0.02%	No
19	SR 21	Suzanne Ave. to College Dr.	0.33%	56	6	5,130	0.12%	No
20	SR 21	College Dr. to Knight Boxx Rd.	0.08%	14	2	5,130	0.04%	No
21	SR 21	Knight Boxx Rd. to Old Jennings Rd.	0.13%	22	2	5,390	0.04%	No
22	SR 21	Old Jennings Rd. to SR 23	0.05%	9	1	3,570	0.03%	No
23	SR 21	SR 23 to CR 220	0.05%	9	1	3,570	0.03%	No
24	SR 21	CR 220 to Long Bay Rd	0.00%	-	-	3,400	0.00%	No
24.1	SR 21	Long Bay Rd to CR 218	0.17%	29	3	3,518	0.09%	No
25	SR 21	CR 218 to CR 215	0.17%	29	3	3,570	0.08%	No
26	SR 21	CR 215 to SR 16	0.00%	-	-	3,070	0.00%	No
27	SR 21	SR 16 to CR 315	0.05%	9	1	1,530	0.07%	No
28	SR 21	CR 315 to Bradford County Line	0.04%	7	1	2,290	0.04%	No
29	SR 23 (Branan Field Rd.)	Duval County Line to Oakleaf Plantation Pkwy	0.24%	41	5	1,250	0.40%	No
29.1	SR 23 (Branan Field Rd.)	Oakleaf Plantation Pkwy to Old Jennings Rd.	0.24%	41	5	3,250	0.15%	No
29.2 (New 2)	Chalenger Dr.	Oakleaf Plantation Pkwy to Old Jennings Rd.	0.05%	9	1	2,040	0.05%	No
29.3 (New 3)	Discovery Dr.	Oakleaf Plantation Pkwy to Old Jennings Rd.	0.08%	14	2	2,040	0.10%	No
30	SR 23	Old Jennings Rd. to SR 21	0.24%	41	5	3,250	0.15%	No
31	SR 100	Bradford County Line to CR 214	0.00%	-	-	800	0.00%	No
32	SR 100	CR 214 to Putnam County Line	0.01%	2	-	1,690	0.00%	No
33	SR 224 (Kingsley Ave.)	SR 21 to Orange Park	3.50%	599	66	3,400	1.94%	No
34	SR 230	Bradford County Line to SR 16	0.00%	-	-	2,290	0.00%	No
35	CR 209	SR 21 to CR 220	0.17%	29	3	2,277	0.13%	No
36	CR 209	CR 220 to CR 739	0.27%	46	5	3,088	0.16%	No
37	CR 209	CR 739 to CR 739B	0.28%	48	5	1,521	0.33%	No
38	CR 209	CR 739B to CR 315B	0.85%	145	16	1,521	1.05%	No
38.1	CR 209	CR 315B to US 17	0.75%	128	14	1,521	0.92%	No
39	CR 218	SR 16 to CR 739	0.11%	19	2	1,503	0.13%	No
40	CR 218	CR 739 to Thunder Rd.	0.75%	128	14	1,521	0.92%	No
41	CR 218	Thunder Rd. to SR 21	0.62%	106	12	1,521	0.79%	No
42	CR 218	SR 21 to S. Mimoso Ave.	0.24%	41	5	1,521	0.33%	No
43	CR 218	S. Mimoso Ave. to US 301	0.22%	38	4	1,521	0.26%	No
44	CR 220	US 17 to W. Lake Shore Dr.	3.07%	525	58	4,401	1.32%	No
45	CR 220	W. Lake Shore Dr. to Swim. Pen Creek Bridge	2.49%	426	47	2,925	1.61%	No
46	CR 220	Swim. Pen Creek Bridge to College Dr.	2.28%	390	43	2,925	1.47%	No
47	CR 220	College Dr. to Knight Boxx Rd.	0.98%	168	19	2,925	0.65%	No
48	CR 220	Knight Boxx Rd. to CR 209	0.60%	103	11	1,521	0.72%	No
48.1	CR 220	CR 209 to Baxley Rd	0.51%	87	10	1,521	0.66%	No
49	CR 220	Baxley Rd to SR 21	0.15%	26	3	1,521	0.20%	No
50	CR 220-B (Knight Boxx Rd.)	SR 21 to CR 220	0.22%	38	4	3,060	0.13%	No
51	CR 224 (College Dr.)	SR 21 to CR 220A	1.09%	187	21	3,060	0.69%	No
52	CR 224	CR 220A to CR 220	1.23%	211	23	3,060	0.75%	No
53	CR 315	SR 16 to CR 315B	2.12%	363	40	1,355	2.95%	No
53.1	CR 315	CR 315B to US 17	0.46%	79	9	1,355	0.66%	No
53.2	CR 315B	CR 209 to CR 315	0.75%	128	14	1,355	1.03%	No
54	CR 739	CR 209 to CR 739B	0.00%	-	-	3,015	0.00%	No
55	CR 739	CR 739B to CR 218	0.00%	-	-	3,015	0.00%	No
56	CR 739-B (Sandridge Rd.)	Rolling View Blvd to CR 209	0.15%	26	3	1,161	0.26%	No
56.1 (New 4)	CR 739-B (Sandridge Rd.)	CR 739 to Rolling View Blvd.	0.15%	26	3	1,161	0.26%	No
57	Doctors Lake Dr.	Orange Park to Greenridge Rd.	0.16%	27	3	1,161	0.26%	No
58	Doctors Lake Dr.	Greenridge Rd. to Peoria Rd.	0.00%	-	-	1,161	0.00%	No
59	Moody Rd.	Doctors Lake Dr. to Suzanne Ave.	0.09%	15	2	1,161	0.17%	No
60	Moody Rd.	Suzanne Ave. to Peoria Rd.	0.11%	19	2	1,161	0.17%	No
61	Old Jennings Rd.	SR 21 to SR 23	0.17%	29	3	3,230	0.09%	No
61.1	Old Jennings Rd.	SR 23 to Long Bay Rd	0.01%	2	-	1,606	0.00%	No
62	Peoria Rd.	College Dr. to Moody Rd.	0.18%	31	3	1,355	0.22%	No
63	Peoria Rd.	Moody Rd. to Doctors Lake Dr.	0.06%	10	1	1,355	0.07%	No
64	Wells Rd.	SR 21 to Orange Park	0.22%	38	4	3,015	0.13%	No
65	Cheswick Oaks Ave.	Duval County Line to End of Pavement	0.00%	-	-	1,521	0.00%	No
66	Baxley Rd	SR 21 to CR 220	0.17%	29	3	1,355	0.22%	No
67	Long Bay Rd.	Old Jennings Road to SR 21	0.07%	12	1	1,355	0.07%	No
68 (New 1)	Oakleaf Plantation Pkwy	Argyle Forrest Blvd to Branan Field Chaffee Rd.	0.06%	10	1	3,060	0.03%	No
H	First Coast Expressway	Old Jennings Blvd. to SR 21	14.06%	2,406	266	6,700	3.97%	No
I	First Coast Expressway	SR 21 to CR 739B	14.06%	2,406	266	6,700	3.97%	No
J	First Coast Expressway	CR 739B to CR 218 Extension	14.06%	2,406	266	6,700	3.97%	No
K	First Coast Expressway	CR 218 Extension to SR 16	14.06%	2,406	266	6,700	3.97%	No
L	First Coast Expressway	SR 16 to US 17	14.65%	2,507	277	6,700	4.13%	No
M	First Coast Expressway	US 17 to St. Johns County Line	33.98%	5,816	642	6,700	9.58%	Yes
N	Oak Ridge Avenue	SR 16 to Green Cove Avenue	6.70%	1,147	127	1,161	10.94%	Yes
O	Oak Ridge Avenue	Green Cove Avenue to Project Entrance	6.70%	1,147	127	1,161	10.94%	Yes
P	Oak Ridge Avenue	Project Entrance to US 17	4.32%	739	82	1,161	7.06%	Yes
Q	Green Cove Avenue	US 17 to Oak Ridge Avenue	3.35%	573	63	1,161	5.43%	Yes

Roadway	Termini	Year 2030 AADT	Project Traffic Distribution
Oak Ridge Avenue	SR 16 to Project Entrance		6.70%
Oak Ridge Avenue	Project Entrance to US 17		4.32%
US 17	SR 16 to Project Entrance		40.35%
US 17	Project Entrance to Outer Beltway	17,890	48.63%
Outer Beltway	US 17 to SR 13/16	11,833	33.98%
Outer Beltway	US 17 to SR 16 West	5,100	14.65%
			100.00%