CONGESTION MANAGEMENT PROCESS

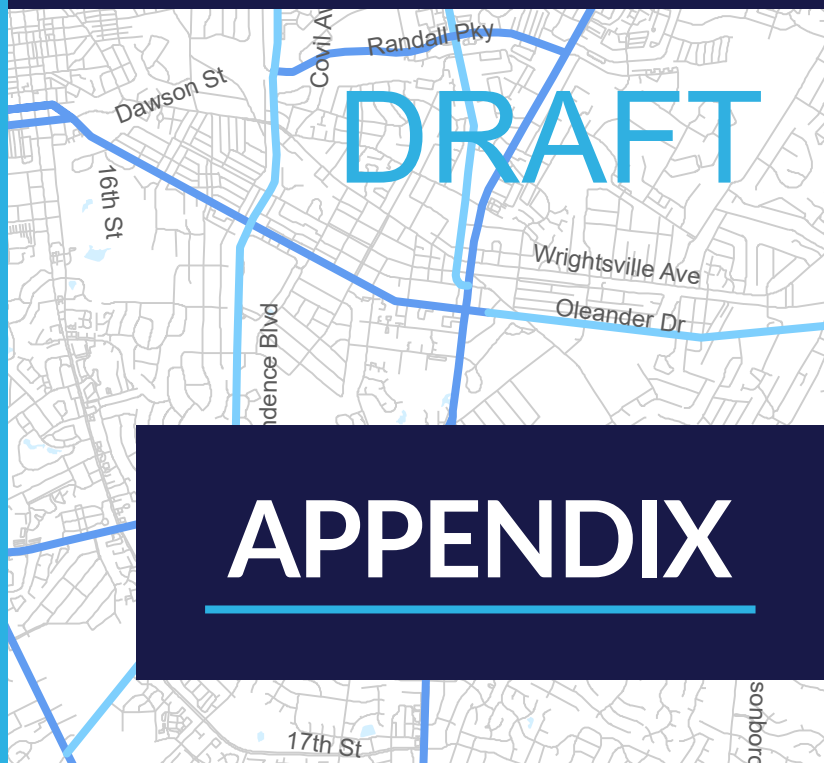
2020 BIENNIAL DATA REPORT

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

Wilmington | Carolina Beach | Wrightsville Beach | Kure Beach | New Hanover County | Leland | Belville | Navassa | Brunswick County | Pender County | CFPTA | NC Board of Transportation

WMPO

305 Chestnut Street
PO Box 1810
Wilmington, NC 28402
Phone: (910) 341-3258
Fax: (910) 341-7801
www.wmpo.org



DRAFT

APPENDIX

DRAFT

TABLE OF CONTENTS

1 SEGMENT SCORING....1

2 SEGMENT RANKING....3

Travel Time Reliability
Multimodal

3 PERFORMANCE METRICS: SCORING AND DATA....5

Travel Time Reliability

Volume/Capacity....5
Delay Rate AM....11
Delay Rate PM....13
Travel Time Reliability AM....15
Travel Time Reliability PM....17
Accidents on Roadway....35
Truck Percentage....39

Multimodal

Transit Ridership Stop Level All Routes....49
Bicycle Suitability....59
Pedestrian Suitability....69
Bicycle Crashes....77
Pedestrian Crashes....81

4 REGIONAL CRASH DATA....85

5 HOT SPOT ANALYSIS....91

DRAFT

MULTIMODAL

Transit Ridership Stop Level All Routes	10.00	9.00	8.00	7.00	6.00	10 possible points
	10 points	9 points	8 points	7 points	6 points	
	5.00	4.00	3.00	2.00	1.00	
	5 points	4 points	3 points	2 points	1 point	
Bicycle Suitability	7.97 - 7.03	7.02 - 6.09	6.08 - 5.15	5.14 - 4.21	4.20 - 3.27	10 possible points
	10	9	8	7	6	
	3.26 - 2.61	2.60 - 1.96	1.95 - 1.31	1.30 - .65	.64 - 0.0	
	5	4	3	2	1	
Pedestrian Suitability	1.76 - 1.53	1.52 - 1.30	1.29 - 1.06	1.05 - .83	.82 - .60	10 possible points
	10	9	8	7	6	
	.59 - .48	.47 - .36	.35 - .24	.23 - .12	.11 - 0.0	
	5	4	3	2	1	
Bicycle Crashes	0.0 - .06	.07 - .12	.13 - .19	.20 - .26	.27 - .32	10 possible points
	10	9	8	7	6	
	.33 - .46	.47 - .60	.61 - .74	.75 - .88	.89 - 4.22	
	5	4	3	2	1	
Pedestrian Crashes	0.0 - .15	.16 - .30	.31 - .46	.47 - .62	.63 - .78	10 possible points
	10	9	8	7	6	
	.79 - 1.16	1.17 - 1.55	1.56 - 1.93	1.94 - 2.32	2.33 - 2.71	
	5	4	3	2	1	

50 TOTAL

WORST: LEAST SUITABLE/ FEWEST FACILITIES — (Total Score) 0 … 50 — **BEST:** MOST SUITABLE/ MOST FACILITIES

KEY

TRAVEL TIME RELIABILITY

V/C	1.01 - .94	.93 - .87	.86 - .80	.79 - .72	.71 - .65	10 possible points
	10	9	8	7	6	
	.64 - .58	.57 - .52	.51 - .45	.44 - .38	.37 - .31	
	5	4	3	2	1	
Delay Rate (min/mile) AM 2 hour window	2.63 - 2.29	2.28 - 1.95	1.94 - 1.60	1.59 - 1.26	1.25 - .92	10 possible points
	10	9	8	7	6	
	.91 - .73	.72 - .55	.54 - .37	.36 - .18	.17 - 0	
	5	4	3	2	1	
Delay Rate (min/mile) PM 2 hour window	2.06 - 1.84	1.83 - 1.61	1.60 - 1.39	1.38 - 1.17	1.16 - .95	10 possible points
	10	9	8	7	6	
	.94 - .76	.75 - .57	.56 - .38	.37 - .19	.18 - 0	
	5	4	3	2	1	
Travel Time Reliability (80th percentile/ 50th percentile) AM High TT	1.27 - 1.25	1.24 - 1.22	1.21 - 1.20	1.19 - 1.17	1.16 - 1.15	10 possible points
	10	9	8	7	6	
	1.14 - 1.13	1.12 - 1.11	1.10	1.09 - 1.08	1.07 - 1.06	
	5	4	3	2	1	
Travel Time Reliability (80th percentile/ 50th percentile) PM High TT	1.33 - 1.30	1.29 - 1.26	1.25 - 1.23	1.22 - 1.20	1.19 - 1.16	10 possible points
	10	9	8	7	6	
	1.15 - 1.14	1.13 - 1.11	1.10 - 1.09	1.08 - 1.06	1.05 - 1.04	
	5	4	3	2	1	
Accidents on Roadway	171.13 - 151.51	151.50 - 131.88	131.87 - 112.25	112.24 - 92.62	92.61 - 72.99	10 possible points
	10	9	8	7	6	
	72.98 - 59.45	59.44 - 45.92	45.91 - 32.38	32.37 - 18.85	18.84 - 5.31	
	5	4	3	2	1	
Truck Percentage	3393.00 - 2949.28	2949.27 - 2505.56	2505.55 - 2061.84	2061.83 - 1618.12	1618.11 - 1174.40	10 possible points
	10	9	8	7	6	
	1174.39 - 939.52	939.51 - 704.64	704.63 - 469.76	469.75 - 234.88	243.87 - 0.00	
	5	4	3	2	1	

70 TOTAL

BEST: MOST RELIABLE/ LEAST CONGESTED — (Total Score) 0 … 50 — **WORST:** LEAST RELIABLE/ MOST CONGESTED

KEY

DRAFT

MULTIMODAL SEGMENT RANKING

RANK	SEGMENT	SCORE
1	Segment 30: INDEPENDENCE BLVD from US 421 to Market Street	40
2	Segment 25: EASTWOOD ROAD/US 76/CAUSEWAY DRIVE from Military Cutoff Road to Lumina Avenue	39
3	Segment 27: US 421/LAKE PARK BLVD from Snow's Cut Bridge to End of US 421	37
4	Segment 12: 17TH/16TH STREET from Market Street to College Road	31
5	Segment 8: CAROLINA BEACH ROAD from W Lake Shore Drive to College Road	30
6	Segment 4: OLEANDER DRIVE/MILITARY CUTOFF ROAD from Treadwell Street to Gordon Road	29
7	Segment 5: SHIPYARD BLVD from River Road to College Road	29
8	Segment 14: MLK JR PKWY/EASTWOOD ROAD from College Road to Military Cutoff Road	29
9	Segment 1: MARKET STREET from 3rd Street to College Road	28
10	Segment 7: 3RD STREET from W Lake Shore Drive to Wooster Street	28
11	Segment 13: KERR AVENUE from MLK Jr Pkwy to College Road	27
12	Segment 21: US 117/COLLEGE ROAD from Holly Shelter Road to Gordon Road	27
13	Segment 28: PINE GROVE DRIVE from College Road to Masonboro Sound Road	27
14	Segment 29: VILLAGE ROAD from US 17/74/76 to Town Hall Drive	27
15	Segment 6: FRONT STREET from W Lake Shore Drive to Cape Fear Memorial Bridge	27
16	Segment 15: RANDALL PKWY from Covil Avenue/Independence Blvd to College Road	26
17	Segment 18: NC 133/ RIVER ROAD from US 17/74/76 to Rabon Way	26
18	Segment 22: GORDON ROAD from I-40 to Military Cutoff Road	25
19	Segment 24: US 17/NC 210 from Washington Acres Road to Sloop Point Road	25
20	Segment 9: COLLEGE ROAD from Gordon Road to Wilshire Blvd	24
21	Segment 10: COLLEGE ROAD from Wilshire Blvd to Pinecliff Drive	24
22	Segment 3: OLEANDER DRIVE from Cape Fear Memorial Bridge to Treadwell Street	23
23	Segment 11: COLLEGE ROAD/CAROLINA BEACH ROAD from Pinecliff Drive to Sanders Road	23
24	Segment 16: US 74/76 from Maco Road to US 17/Ocean Highway	21
25	Segment 17: US 17/OCEAN HIGHWAY from Lanvale Road to Cape Fear Memorial Bridge	21
26	Segment 19: US 17/74/76 from NC 133 Split to 5th Avenue	21
27	Segment 2: MARKET STREET from College Road to NC 140	20
28	Segment 20: US 421/NC 133 from US 74 Split to 3rd Street	20
29	Segment 23: US 17/MARKET STREET from NC 140 to Washington Acres Road	20
30	Segment 26: US 421/CAROLINA BEACH ROAD from Sanders Road to Snow's Cut Bridge	9

WORST: SEGMENT 26: US421/ CAROLINA BEACH ROAD

9 — 40

BEST: SEGMENT 30: INDEPENDENCE BLVD

TRAVEL TIME RELIABILITY SEGMENT RANKING

RANK	SEGMENT	SCORE
1	Segment 2: MARKET STREET from College Road to NC 140	56
2	Segment 6: FRONT STREET from W Lake Shore Drive to Cape Fear Memorial Bridge	53
3	Segment 9: COLLEGE ROAD from Gordon Road to Wilshire Blvd	52
4	Segment 7: 3RD STREET from W Lake Shore Drive to Wooster Street	51
5	Segment 10: COLLEGE ROAD from Wilshire Blvd to Pinecliff Drive	51
6	Segment 22: GORDON ROAD from I-40 to Military Cutoff Road	51
7	Segment 28: PINE GROVE DRIVE from College Road to Masonboro Sound Road	45
8	Segment 8: CAROLINA BEACH ROAD from W Lake Shore Drive to College Road	44
9	Segment 11: COLLEGE ROAD/CAROLINA BEACH ROAD from Pinecliff Drive to Sanders Road	44
10	Segment 14: MLK JR PKWY/EASTWOOD ROAD from College Road to Military Cutoff Road	42
11	Segment 24: US 17/NC 210 from Washington Acres Road to Sloop Point Road	40
12	Segment 3: OLEANDER DRIVE from Cape Fear Memorial Bridge to Treadwell Street	38
13	Segment 4: OLEANDER DRIVE/MILITARY CUTOFF ROAD from Treadwell Street to Gordon Road	37
14	Segment 12: 17TH/16TH STREET from Market Street to College Road	35
15	Segment 13: KERR AVENUE from MLK Jr Pkwy to College Road	35
16	Segment 23: US 17/MARKET STREET from NC 140 to Washington Acres Road	35
17	Segment 1: MARKET STREET from 3rd Street to College Road	34
18	Segment 17: US 17/OCEAN HIGHWAY from Lanvale Road to Cape Fear Memorial Bridge	34
19	Segment 25: EASTWOOD ROAD/US 76/CAUSEWAY DRIVE from Military Cutoff Road to Lumina Avenue	34
20	Segment 15: RANDALL PKWY from Covil Avenue/Independence Blvd to College Road	33
21	Segment 5: SHIPYARD BLVD from River Road to College Road	32
22	Segment 19: US 17/74/76 from NC 133 Split to 5th Avenue	32
23	Segment 26: US 421/CAROLINA BEACH ROAD from Sanders Road to Snow's Cut Bridge	30
24	Segment 30: INDEPENDENCE BLVD from US 421 to Market Street	30
25	Segment 20: US 421/NC 133 from US 74 Split to 3rd Street	28
26	Segment 21: US 117/COLLEGE ROAD from Holly Shelter Road to Gordon Road	28
27	Segment 29: VILLAGE ROAD from US 17/74/76 to Town Hall Drive	23
28	Segment 16: US 74/76 from Maco Road to US 17/Ocean Highway	17
29	Segment 18: NC 133/ RIVER ROAD from US 17/74/76 to Rabon Way	17
30	Segment 27: US 421/LAKE PARK BLVD from Snow's Cut Bridge to End of US 421	16

BEST: SEGMENT 27: US421/ LAKE PARK BLVD

16 — 56

WORST: SEGMENT 2: MARKET STREET

DRAFT

Travel Time Reliability

VOLUME/CAPACITY (V/C)

#	SEGMENT NAME	FROM	TO	V/C	SCORE
1	Market Street	3rd Street	College Road	0.53	4
2	Market Street	College Road	NC140	0.91	9
3	Oleander Drive	Cape Fear Memorial Bridge	College Road	0.54	4
4	Oleander Dr/Military Cutoff Rd	College Road	Gordon Road	0.76	7
5	Shipyard Blvd	River Road	College Road	0.31	1
6	Front Street	3rd Street	Cape Fear Memorial Bridge	1.01	10
7	3rd Street	River Road	Wooster Street	0.44	2
8	Carolina Beach Road	3rd Street	College Road	0.66	6
9	College Road	Gordon Road	Wrightsville Avenue	0.85	8
10	College Road	Wrightsville Avenue	Mohican Trail	0.72	7
11	College Road	Mohican Trail	Myrtle Grove Road	0.75	7
12	17th/16th Street	Market Street	College Road	0.60	5
13	Kerr Avenue	MLK Jr Pkwy	College Road	0.53	4
14	MLK Jr Pkwy/Eastwood Rd	College Road	Military Cutoff Road	0.68	6
15	Randall Pkwy	Covil Ave/Independence Blvd	College Road	0.48	3
16	US74	Maco Road	US17/Ocean Hwy	0.45	3
17	US17	I-140	3rd Street	0.82	8
18	NC133/River Road	US17/74/76	Rabon Way	0.55	4
19	US17/74/76	NC133	3rd Street	0.69	6
20	US421/NC133	US74 split	3rd Street	0.66	6
21	US117/College Road	Holly Shelter Road	Gordon Road	0.63	5
22	Gordon Road	I-40	Military Cutoff Rd	0.89	9
23	US17	NC-140	NC210 (South)	0.73	7
24	US17	NC210 (South)	NC210 (North)	0.96	10
25	Eastwood Road/U76/ Causeway Drive	Military Cutoff Road	Lumina Avenue	0.47	3
26	US421/Carolina Beach Road	Myrtle Grove Road	Dow Road	0.63	5
27	US421/Lake Park Blvd	Dow Road	End of US421	0.32	1
28	Pine Grove Drive	College Road	Masonboro Sound Road	0.90	9
29	Village Road	US17/74/76	Old Mill Road	0.48	3
30	Independence Blvd	US421	Market Street	0.65	6

V/C SCORING

V/C	SCORE
1.01 - .94	10
.93 - .87	9
.86 - .80	8
.79 - .72	7
.71 - .65	6
.64 - .58	5
.57 - .52	4
.51 - .45	3
.44 - .38	2
.37 - .31	1

WORST

BEST

WORST ROADWAY SEGMENTS IN TERMS OF V/C

- Segment 6: FRONT STREET from 3rd Street to Cape Fear Memorial Bridge
- Segment 24: US17 from NC210 (South) to NC210 (North)

BEST ROADWAY SEGMENTS IN TERMS OF V/C

- Segment 5: SHIPYARD BLVD from River Road to College Road
- Segment 27: US421/Lake Park Blvd from Dow Road to End of US421

DATA

The following pages contain the data used to calculate the V/C for each roadway segment.

Location ID	Route	Location	AADT 2017	Segment #	Daily Capacity	V/C	Average Volume	Average V/C
0650000147	US 17 BUS (MARKET ST)	E OF SR 1175	35000	1	44323	0.79		
0650000157	US 17 BUS (MARKET ST)	W OF SR 1175 KERR AVE	37000	1	66485	0.56		
0650000086	US 17 BUS (MARKET ST)	W OF CINEMA DR	33000	1	44323	0.74		
0650000079	US 17 BUS (MARKET ST)	E OF DARLINGTON AVE	32000	1	44323	0.72		
0650000037	US 17 BUS (MARKET ST)	E OF MERCER AVE	27000	1	44323	0.61		
0650000052	US 17 BUS (MARKET ST)	W OF MERCER AVE	27000	1	44323	0.61		
0650000036	US 17 BUS (MARKET ST)	W OF N 26TH ST	26000	1	41368	0.63		
0650000146	US 17 BUS (MARKET ST)	W OF KEATON AVE	26000	1	41368	0.63		
0650000164	US 17 BUS (MARKET ST)	E OF BORDEN AVE	21000	1	41368	0.51		
0650000040	US 17 BUS (MARKET ST)	W OF N 19TH ST	21000	1	41368	0.51		
0650000149	US 17 BUS (MARKET ST)	E OF N 12TH ST	10000	1	43564	0.23		
0650000158	US 17 BUS (MARKET ST)	W OF SR 1371	11000	1	43564	0.25		
0650000135	US 17 BUS (MARKET ST)	W OF 9TH ST	9500	1	43564	0.22		
0650000092	US 17 BUS (MARKET ST)	W OF N 4TH ST	9300	1	21782	0.43	23200	0.53
0650000042	US 17 BUS (MARKET ST)	S OF SR 1403 MIDDLE SOUND LOOP RD	51000	2	44323	1.15		
0650000019	US 17 BUS (MARKET ST)	N OF SR 1403 MIDDLE SOUND LOOP RD	46000	2	44323	1.04		
0650000119	US 17 BUS (MARKET ST)	N OF SR 1363 OAK RIDGE LN	44000	2	44323	0.99		
0650000421	US 17 BUS	E OF ELISHA DR	41000	2	44323	0.93		
0650000140	US 17 BUS (MARKET ST)	W OF US 74	38000	2	49248	0.77		
0650000138	US 17 BUS (MARKET ST)	S OF SR 2048 GORDON RD	34000	2	44323	0.77		
0650000151	US 17 BUS (MARKET ST)	N OF SR 2048 GORDON RD	32000	2	44323	0.72	40857	0.91
0650000105	US 76 (OLEANDER DR)	E OF FLORAL PKWY	29000	3	73872	0.39		
0650000041	US 76 (OLEANDER DR)	W OF SR 1209 INDEPENDENCE BLVD	25000	3	41368	0.60		
0650000060	US 76 (OLEANDER DR)	W OF HAWTHORNE RD	25000	3	41368	0.60		
0650000080	US 76 (OLEANDER DR)	E OF COUNTRY CLUB RD	24000	3	41368	0.58		
0650000106	US 76	W OF US 117/NC 132	25000	3	73872	0.34		
0650000085	US 76	E OF US 117/NC 132	23000	3	73872	0.31		
0650000141	US 76 (OLEANDER DR)	E OF DAWSON ST	24000	3	44323	0.54		
0650000093	US 76 (OLEANDER DR)	W OF MIMOSA PL	24000	3	44323	0.54		
0650000045	US 76 E (DAWSON ST)	E OF SR 1219	25000	3	31026	0.81		
0650000225	US 76 E (DAWSON ST)	W OF S 16TH ST	22000	3	41368	0.53		
0650000116	US 76 W (WOOSTER ST)	W OF SR 2817	19000	3	31026	0.61		
0650000053	US 76 (WOOSTIER ST)	W OF DAWSON ST	17000	3	41368	0.41		
0650000123	US 76 E (DAWSON ST)	W OF 13TH ST	18000	3	31026	0.58		
0650000224	US 76 E (DAWSON ST)	W OF SR 2817	17000	3	31026	0.55		
0650000087	US 76 W (WOOSTER ST)	W OF 9TH ST	16000	3	31026	0.52		
0650000153	US 76 W (WOOSTER ST)	W OF 4TH ST	16000	3	20684	0.77		
0650000103	US 17 BUS-76-421 (DAWSON ST)	W OF US 421	14000	3	20684	0.68		
0650000030	US 17 (WOOSTER ST)	E OF US 421 TRUCK	15000	3	41368	0.36		

DRAFT

The numbers from the NCDOT model were half because they separated the facility so the numbers are doubled here

Location ID	Route	Location	AADT 2017	Segment #	Daily Capacity	V/C	Average Volume	Average V/C
0650000108	US 17 N-74 E-76 (DAWSON ST)	W OF 4TH ST	14000	3	31026	0.45	20632	0.54
0650000131	SR 1409 (MILITARY CUTOFF)	N OF US 74	42000	4	44323	0.95		
0650000054	US 76 (MILITARY CUT OFF RD)	N OF SR 2782	39000	4	44323	0.88		
0650000090	US 76 (OLEANDER DR)	E OF PINE GROVE DR	32000	4	44323	0.72		
0650000150	US 76	S OF SR 1411	35000	4	44323	0.79		
0650000100	US 76	E OF GREENVILLE LOOP RD	35000	4	44323	0.79		
0650000039	US 76 (OLEANDER DR)	W OF 52ND ST	30000	4	44323	0.68		
0650000057	US 76 (OLEANDER DR)	W OF HINTON AVE	28000	4	44323	0.63		
0650000391	SR 1409 (MILITARY CUTOFF RD)	S OF SR 2048	28000	4	44323	0.63	33625	0.76
0650000064	US 117 (SHIPYARD BLVD)	E OF SR 1219	24000	5	49248	0.49		
0650000112	US 117 (SHIPYARD BLVD)	W OF SR 1209 INDEPENDENCE BLVD	24000	5	49248	0.49		
0650000133	US 117 (SHIPYARD BLVD)	E OF SR 1209 INDEPENDENCE BLVD	24000	5	73872	0.32		
0650000111	US 117 (SHIPYARD BLVD)	W OF NC 132	20000	5	61560	0.32		
0650000046	US 117 (SHIPYARD BLVD)	E OF US 421 CAROLINA BEACH RD	17000	5	73872	0.23		
0650000082	US 117 (SHIPYARD BLVD)	W OF US 421 CAROLINA BEACH RD	13000	5	49248	0.26		
0650000464	US 117	W OF BURNETT BLVD	8800	5	49248	0.18		
0650000061	US 117 (SHIPYARD BLVD)	E OF BURNETT BLVD	9400	5	49248	0.19	17525	0.31
0650000463	US 421	S OF SR 1140	31000	6	44323	0.70		
0650000342	SR 1140 (S FRONT ST)	S OF MARSTELLAR ST	23000	6	18035	1.28		
0650000459	SR 1140	S OF GREENFIELD ST	19000	6	18035	1.05	24333	1.01
0650000137	US 421 (3RD ST)	S OF GREENFIELD ST	23000	7	41368	0.56		
0650000088	US 421 (N 3RD ST)	S OF US 76 E DAWSON ST	18000	7	41368	0.44		
0650000056	US 421 (3RD ST)	N OF MARTIN ST	17000	7	41368	0.41		
0650000127	US 17 BUS (S 3RD ST)	S OF US 76 W	18000	7	49248	0.37	19000	0.44
0650000467	US 421	N OF BELL ST	33000	8	44323	0.74		
0650000132	US 421 (CAROLINA BEACH RD)	S OF STADIUM DR	30000	8	44323	0.68		
0650000161	US 421	N OF CENTRAL BLVD	31000	8	44323	0.70		
0650000125	US 421	N OF INDEPENDENCE BLVD	26000	8	49248	0.53	30000	0.66
	US 117/NC 132		56000	9	73872	0.76		
	US 117/NC 132		55000	9	73872	0.74		
0650000419	US 117/NC 132		46000	9	49248	0.93		
0650000397	US 117/NC 132		51000	9	49248	1.04		
0650000034	US 117/NC 132 (COLLEGE ST)		39000	9	49248	0.79	49400	0.85
0650000076	US 117/NC 132	S OF US 76	42000	10	55404	0.76		
0650000148	US 117/NC 132 (COLLEGE RD)	N OF US 117 SHIPYARD BLVD	45000	10	55404	0.81		
0650000089	US 117/NC 132	S OF MAPLE AVE	41000	10	61560	0.67		
0650000117	US 117/NC 132	N OF PARK AVE	39000	10	55404	0.70		
0650000124	US 117/NC 132	N OF US 76	38000	10	55404	0.69		
0650000091	NC 132 (COLLEGE RD)	N OF S 17TH ST	39000	10	49248	0.79		
0650000095	NC 132 (COLLEGE RD)	N OF CASCADE RD	36000	10	55404	0.65	40000	0.72

The numbers from the NCDOT model were half because they separated the facility so the numbers are doubled here

NCDOT 2010 AADT used for 6600 data

Location ID	Route	Location	AADT 2017	Segment #	Daily Capacity	V/C	Average Volume	Average V/C
0650000058	US 421		33000	11	49248	0.67		
	NC 132		41000	11	49248	0.83	37000	0.75
0650000330	SR 1219	N OF US 117 SHIPYARD BLVD	30000	12	43564	0.69		
0650000236	SR 1219 (17TH ST)	N OF GLEN MEADE RD	31000	12	65346	0.47		
0650000235	SR 1219 (17TH ST)	N OF SAVANNAH CT	21000	12	27053	0.78		
0650000239	SR 1219 (17TH ST)	S OF WRIGHT ST	21000	12	27053	0.78		
0650000367	S 17TH ST	E OF ST ANDREWS DR	21000	12	43564	0.48		
0650000410	S 17TH ST	S OF US 117	18000	12	43564	0.41		
0650000234	SR 1218 (16TH ST)	S OF LITTLE JOHN CIR	19000	12	27053	0.70		
0650000238	SR 1218 (16TH ST)	S OF MARTIN ST	18000	12	27053	0.67		
0650000353	SR 1218 (16TH ST)	S OF WRIGHT ST	18000	12	27053	0.67		
0650000369	S 17TH ST	W OF ST ANDREWS DR	20000	12	43564	0.46		
0650000383	S 17TH ST	N OF INDEPENDENCE BLVD	15000	12	43564	0.34		
0650000320	SR 2817 (S 17TH ST)	S OF CASTLE ST	16000	12	20684	0.77		
0650000314	SR 2817 (S 17TH ST)	N OF ANN ST	14000	12	20684	0.68		
0650000315	SR 2817 (S 17TH ST)	N OF CHURCH ST	12000	12	31026	0.39		
0650000102	SR 2817 (S 17TH ST)	N OF US 76	14000	12	20684	0.68		
0650000443	S 16TH ST	S OF US 17 BUS	13000	12	20684	0.63		
0650000114	SR 2816	S OF ANN ST	13000	12	20684	0.63	18471	0.60
0650000010	SR 1175 (KERR AVE)	S OF US 74 ML KING JR BLVD	21000	13	39207	0.54		
0650000250	SR 1175 (KERR AVE)	N OF MAPLE AVE	13000	13	19604	0.66		
0650000454	SR 1175	N OF PARK AVE	7800	13	19604	0.40	13933	0.53
0650000390	US 74	E OF RACINE DR	34000	14	44323	0.77		
0650000389	US 74	E OF BRETONSHIRE RD	34000	14	44323	0.77		
0650000098	US 74	W OF SR 1409	23000	14	44323	0.52	30333	0.68
0650000293	RANDALL PKWY	W OF US 117/NC 132	21000	15	43564	0.48	21000	0.48
0100000099	US 74-76	W OF US 17	30000	16	64768	0.46		
0100000098	US 74-76	E OF SR 1722	30000	16	58140	0.52		
0100000352	US 74-76	E OF SR 1417	21000	16	58140	0.36		
			26000	16	58140	0.45	26750	0.45
0100000109	US 17-74-76	W OF SR 1472	80000	17	102010	0.78		
0100000029	US 17-74-76-421	E OF US 421/NC 133	61000	17	64768	0.94		
0100000092	US 17	S OF SR 1551	45000	17	58140	0.77		
0100000347	US 17	W OF SR 1566	42000	17	58140	0.72		
0100000344	US 17	N OF SR 1551	50000	17	58140	0.86	55600	0.82
0100000343	NC 133	S OF SR 1580	6000	18	17670	0.34		
			14000	18	23818	0.59		
0100000351	NC 133	E OF SR 1551	17000	18	23818	0.71	12333	0.55
0650000103	US 17 BUS-76-421 (DAWSON ST)	W OF US 421	14000	19	20684	0.68		
0650000030	US 17 (WOOSTER ST)	E OF US 421 TRUCK	15000	19	20684	0.73		

DRAFT

The numbers from the NCDOT model were half because they separated the facility so the numbers are doubled here

Location ID	Route	Location	AADT 2017	Segment #	Daily Capacity	V/C	Average Volume	Average V/C
0650000108	US 17 N-74 E-76 (DAWSON ST)	W OF 4TH ST	14000	19	20684	0.68	14333	0.69
0650000035	US 17-74-421/NC 133	S OF SR 2190	36000	20	41368	0.87		
0650000152	US 17-74-421/NC 133	S OF US 74/NC 133	35000	20	49864	0.70		
0650000050	US 74/NC 133	E OF US 421	27000	20	64768	0.42	32667	0.66
0650000049	US 117/NC 132 (COLLEGE RD)	S OF SR 1322	23000	21	49248	0.47		
0650000360	US 117/NC 132 (COLLEGE RD)	N OF SR 1322	23000	21	22162	1.04		
0650000083	US 117/NC 132 (COLLEGE RD)	N OF SR 2652	12000	21	20684	0.58		
0650000113	US 117/NC 132 (COLLEGE RD)	S OF SR 2103	9400	21	20684	0.45	16850	0.63
0650000284	SR 2048 (GORDON RD)	W OF US 17 BUS MARKET ST	24000	22	39207	0.61		
0650000288	SR 2048 (GORDON RD)	W OF BLOUNT DR	23000	22	19604	1.17	23500	0.89
0710000060	US 17	E OF SR 1572	36000	23	49248	0.73	36000	0.73
0710000120	US 17/NC 210	S OF SR 1570	43000	24	44323	0.97		
0710000014	US 17/NC 210	N OF SR 1569	48000	24	44323	1.08		
0710000132	US 17	S OF NC 210	37000	24	44323	0.83	42667	0.96
0650000072	US 74-76	E OF SR 1409	22000	25	44323	0.50		
0650000075	US 74-76	W OF AIRLEE RD	21000	25	49248	0.43		
0650000221	US 76	W OF DOCK DR	23000	25	39207	0.59		
0650000074	US 74-76	W OF SR 2782	16000	25	49248	0.32		
0650000576	US 76	E OF CHANNEL DR	18000	25	36071	0.50	20000	0.47
0650000021	US 421	S OF SR 1531	31000	26	49248	0.63	31000	0.63
0650000401	US 421	N OF SR 1573	26000	27	49248	0.53		
0650000020	US 421	S OF SR 1573	23000	27	49248	0.47		
0650000142	US 421	N OF SR 1538	13000	27	41368	0.31		
0650000029	US 421	N OF SR 1539	7500	27	20684	0.36		
0650000078	US 421	S OF SR 1573	5600	27	20684	0.27		
0650000109	US 421	S OF WATER OAK CIR	4200	27	20684	0.20		
0650000022	US 421	S OF SR 1542	2100	27	20684	0.10	11629	0.32
0650000272	SR 1492 (PINE GROVE RD)	S OF GREENVILLE LOOP RD	22000	28	18035	1.22		
0650000271	SR 1492 (PINE GROVE RD)	E OF KILARNY RD	18000	28	18035	1.00		
0650000251	SR 1492 (PINE GROVE DR)	W OF S MACMILLAN AVE	8700	28	18035	0.48	16233	0.90
0100000026	SR 1472	W OF US 17-74-76	28000	29	55319	0.51		
0100000273	SR 1472	W OF SR 1437	11000	29	23818	0.46	19500	0.48
0650000380	INDEPENDENCE BLVD	S OF MERCER AVE	30000	30	43564	0.69		
0650000246	SR 1209 (INDEPENDENCE BLVD)	S OF US 76 OLEANDER DR	23000	30	43564	0.53		
0650000257	SR 1209 (INDEPENDENCE BLVD)	N OF US 117 SHIPYARD BLVD	22000	30	43564	0.51		
0650000381	SR 1209 (INDEPENDENCE BLVD)	N OF US 76 OLEANDER DR	22000	30	43564	0.51		
0650000336	COVIL AVE	N OF RANDALL PKWY	19000	30	18035	1.05		
0650000411	INDEPENDENCE BLVD	E OF 17TH ST	16000	30	43564	0.37		
0650000365	INDEPENDENCE BLVD	W OF S 17TH ST	16000	30	18035	0.89	21143	0.65

PERFORMANCE METRICS: SCORING AND DATA

DRAFT

Travel Time Reliability

DELAY RATE AM

#	SEGMENT NAME	FROM	TO	DIR.	AM HIGH DELAY RATE	SCORE
1	Market Street	3rd Street	College Road	EB	0.83	5
2	Market Street	College Road	NC140	SB	1.71	8
3	Oleander Drive	Cape Fear Memorial Bridge	College Road	NB_EB	1.11	6
4	Oleander Drive/ Military Cutoff Road	College Road	Gordon Road	WB_SB	0.68	4
5	Shipyard Blvd	River Road	College Road	EB_NB	1.44	7
6	Front Street	3rd Street	Cape Fear Memorial Bridge	SB	0.63	4
7	3rd Street	River Road	Wooster Street	NB	4.13	10
8	Carolina Beach Road	3rd Street	College Road	NB	1.04	6
9	College Road	Gordon Road	Wrightsville Avenue	SB	1.55	7
10	College Road	Wrightsville Avenue	Mohican Trail	NB	2.63	10
11	College Road	Mohican Trail	Myrtle Grove Road	NB	0.69	4
12	17th/16th Street	Market Street	College Road	NB	0.82	5
13	Kerr Avenue	MLK Jr Pkwy	College Road	NB	1.22	6
14	MLK Jr Pkwy/ Eastwood Road	College Road	Military Cutoff Road	EB	1.12	6
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	EB	0.87	5
16	US74	Maco Road	US17/Ocean Hwy	EB	0.00	1
17	US17	I-140	3rd Street	NB	0.42	3
18	NC133/ River Road	US17/74/76	Rabon Way	NB	0.27	2
19	US17/US74/Us76	NC133	3rd Street	NB	0.71	4
20	US421/NC133	US74 Split	3rd Street	NB	0.63	4
21	US117/College Road	Holly Shelter Road	Gordon Road	NB	0.69	4
22	Gordon Road	I-40	Military Cutoff Road	WB	1.84	8
23	US17	NC140	NC210 (South)	SB	0.16	1
24	US17	NC210 (South)	NC210 (North)	SB	0.63	4
25	Eastwood Road/ US76/Causeway Dr	Military Cutoff Road	Lumina Avenue	WB	0.92	6
26	US421/ Carolina Beach Road	Myrtle Grove Road	Dow Road	SB	0.12	1
27	US421/Lake Park Blvd	Dow Road	End of US421	NB	0.35	2
28	Pine Grove Drive	College Road	Masonboro Sound Rd	NB	1.53	7
29	Village Road	US17/74/76	Old Mill Road	EB	0.55	4
30	Independence Blvd	US421	Market Street	NB	1.47	7

PERFORMANCE METRICS: SCORING AND DATA

AM DELAY RATE SCORING

AM DELAY RATE (min/mile)	SCORE
2.63 - 2.29	10
2.28 - 1.95	9
1.94 - 1.60	8
1.59 - 1.26	7
1.25 - .92	6
.91 - .73	5
.72 - .55	4
.54 - .37	3
.36 - .18	2
.17 - 0	1

WORST

BEST

WORST ROADWAY SEGMENTS IN TERMS OF AM DELAY RATE

- Segment 7: 3RD STREET from River Road to Wooster Street
- Segment 10: COLLEGE ROAD from Wrightsville Avenue to Mohican Trail

BEST ROADWAY SEGMENTS IN TERMS OF AM DELAY RATE

- Segment 16: US74 from Maco Road to US17/Ocean Hwy
- Segment 23: US17 from NC140 to NC210 (South)
- Segment 26: US421/CAROLINA BEACH ROAD from Myrtle Grove Road to Dow Road

DATA

The data used to calculate the AM Delay Rate for each roadway segment can be found on pages 20-34.

DRAFT

Travel Time Reliability

DELAY RATE PM

#	SEGMENT NAME	FROM	TO	DIR.	PM HIGH DELAY RATE	SCORE
1	Market Street	3rd Street	College Road	EB	1.26	7
2	Market Street	College Road	NC140	NB	1.33	7
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	SB_WB	1.76	9
4	Oleander Drive/ Military Cutoff Road	Treadwell Street	Gordon Road	WB_SB	1.42	8
5	Shipyard Blvd	River Road	College Road	EB_NB	1.37	7
6	Front Street	Lake Shore Drive	Cape Fear Memorial Bridge	SB	0.85	5
7	3rd Street	W Lake Shore Drive	Wooster Street	SB	7.64	10
8	Carolina Beach Road	W Lake Shore Drive	College Road	SB	1.04	6
9	College Road	Gordon Road	Wilshire Blvd	SB	2.06	10
10	College Road	Wilshire Blvd	Pinecliff Drive	SB	1.37	7
11	College Road/ Carolina Beach Road	Pinecliff Drive	Sanders Road	SB	0.46	3
12	17th/16th Street	Market Street	College Road	SB	0.89	5
13	Kerr Avenue	MLK Jr Pkwy	College Road	NB	1.78	9
14	MLK J Pkwy/ Eastwood Road	College Road	Military Cutoff Road	WB	1.50	8
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	EB	1.26	7
16	US74/76	Maco Road	US17/Ocean Hwy	EB	0.00	1
17	US17/Ocean Hwy	Lanvale Road	Cape Fear Memorial Bridge	SB	0.14	1
18	NC133/ River Road	US17/74/76	Rabon Way	SB	0.22	2
19	US17/74/76	NC133 Split	5th Avenue	SB	0.10	1
20	US421/NC133	US74 Split	3rd Street	SB	0.53	3
21	US117/College Road	Holly Shelter Road	Gordon Road	NB	0.62	4
22	Gordon Road	I-40	Military Cutoff Road	EB	2.04	10
23	US17/Market Street	NC140	Washington Acres Rd	NB	0.54	3
24	US17/NC210	Washington Acres Rd	Sloop Point Road	SB	0.14	1
25	Eastwood Rd/ US76/Causeway Dr	Military Cutoff Road	Lumina Avenue	EB	0.90	5
26	US421/Carolina Beach Road	Sanders Road	Snow's Cut Bridge	SB	0.09	1
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	SB	0.50	3
28	Pine Grove Drive	College Road	Masonboro Sound Rd	SB	1.31	7
29	Village Road	US17/74/76	Town Hall Drive	EB	0.38	3
30	Independence Blvd	US421	Market Street	NB	1.57	8

PM DELAY RATE SCORING

PM DELAY RATE (min/mile)	SCORE
2.06 - 1.84	10
1.83 - 1.61	9
1.60 - 1.39	8
1.38 - 1.17	7
1.16 - .95	6
.94 - .76	5
.75 - .57	4
.56 - .38	3
.37 - .19	2
.18 - 0	1

WORST

BEST

WORST ROADWAY SEGMENTS IN TERMS OF PM DELAY RATE

- Segment 7: 3RD STREET from W Lake Shore Drive to Wooster Street
- Segment 9: COLLEGE ROAD from Gordon Road to Wilshire Blvd
- Segment 22: GORDON ROAD from I-40 to Military Cutoff Road

BEST ROADWAY SEGMENTS IN TERMS OF PM DELAY RATE

- Segment 16: US74/76 from Maco Road to US17/Ocean Hwy
- Segment 17: US17/OCEAN HWY from Lanvale Road to Cape Fear Memorial Bridge
- Segment 19: US17/74/76 from NC133 Split to 5th Avenue
- Segment 24: US17/NC210 from Washington Acres Road to Sloop Point Road
- Segment 26: US421/CAROLINA BEACH ROAD from Sanders Road to Snow's Cut Bridge

DATA

The data used to calculate the PM Delay Rate for each roadway segment can be found on pages 20-34.

DRAFT

Travel Time Reliability

LEVEL OF TRAVEL TIME RELIABILITY (LOTTR) AM

#	SEGMENT NAME	FROM	TO	DIR.	AM HIGH HOUR LOTTR	SCORE
1	Market Street	3rd Street	College Road	WB	1.09	2
2	Market Street	College Road	NC140	SB	1.17	7
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	SB_WB	1.10	3
4	Oleander Drive/ Military Cutoff Road	Treadwell Street	Gordon Road	WB_SB	1.08	2
5	Shipyard Blvd	River Road	College Road	EB_NB	1.10	3
6	Front Street	W Lake Shore Drive	Cape Fear Memorial Bridge	SB	1.21	8
7	3rd Street	W Lake Shore Drive	Wooster Street	NB	1.15	6
8	Carolina Beach Road	W Lake Shore Drive	College Road	NB	1.15	6
9	College Road	Gordon Road	Wilshire Blvd	SB	1.10	3
10	College Road	Wilshire Blvd	Pinecliff Drive	SB	1.19	7
11	College Road/ Carolina Beach Road	Pinecliff Drive	Sanders Road	SB	1.25	10
12	17th/16th Street	Market Street	College Road	NB	1.19	7
13	Kerr Avenue	MLK Jr Pkwy	College Road	NB	1.09	2
14	MLK J Pkwy/ Eastwood Road	College Road	Military Cutoff Road	EB	1.14	5
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	WB	1.15	6
16	US74/76	Maco Road	US17/Ocean Hwy	WB	1.06	1
17	US17/Ocean Hwy	Lanvale Road	Cape Fear Memorial Bridge	NB	1.20	8
18	NC133/ River Road	US17/74/76	Rabon Way	NB	1.09	2
19	US17/74/76	NC133 Split	5th Avenue	NB	1.27	10
20	US421/NC133	US74 Split	3rd Street	NB	1.06	1
21	US117/College Road	Holly Shelter Road	Gordon Road	NB	1.11	4
22	Gordon Road	I-40	Military Cutoff Road	WB	1.25	10
23	US17/Market Street	NC140	Washington Acres Rd	SB	1.13	5
24	US17/NC210	Washington Acres Rd	Sloop Point Rd	SB	1.22	9
25	Eastwood Rd/ US76/Causeway Dr	Military Cutoff Road	Lumina Avenue	WB	1.19	7
26	US421/Carolina Beach Road	Sanders Road	Snow's Cut Bridge	SB	1.13	5
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	NB	1.14	5
28	Pine Grove Drive	College Road	Masonboro Sound Rd	NB	1.26	10
29	Village Road	US17/74/76	Town Hall Drive	EB	1.18	7
30	Independence Blvd	US421	Market Street	NB	1.07	1

AM LOTTR SCORING

AM LOTTR	SCORE
1.27 - 1.25	10
1.24 - 1.22	9
1.21 - 1.20	8
1.19 - 1.17	7
1.16 - 1.15	6
1.14 - 1.13	5
1.12 - 1.11	4
1.10	3
1.09 - 1.08	2
1.07 - 1.06	1

WORST

BEST

WORST ROADWAY SEGMENTS IN TERMS OF AM LOTTR

- Segment 11: COLLEGE ROAD/CAROLINA BEACH ROAD from Pinecliff Drive to Sanders Road
- Segment 19: US17/74/76 from NC133 Split to 5th Avenue
- Segment 22: GORDON ROAD from I-40 to Military Cutoff Road
- Segment 28: PINE GROVE DRIVE from College Road to Masonboro Sound Road

BEST ROADWAY SEGMENTS IN TERMS OF AM LOTTR

- Segment 16: US74/76 from Maco Road to US17/Ocean Hwy
- Segment 20: US421/NC133 from US74 Split to 3rd Street
- Segment 30: INDEPENDENCE BLVD from US421 to Market Street

DATA

The data used to calculate the AM LOTTR for each roadway segment can be found on pages 20-34.

DRAFT

Travel Time Reliability

LEVEL OF TRAVEL TIME RELIABILITY (LOTTR) PM

#	SEGMENT NAME	FROM	TO	DIR.	PM HIGH HOUR LOTTR	SCORE
1	Market Street	3rd Street	College Road	EB	1.10	3
2	Market Street	College Road	NC140	NB	1.27	9
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	SB_WB	1.21	7
4	Oleander Drive/ Military Cutoff Road	Treadwell Street	Gordon Road	WB_SB	1.17	6
5	Shipyard Blvd	River Road	College Road	EB_NB	1.13	4
6	Front Street	W Lake Shore Drive	Cape Fear Memorial Bridge	SB	1.26	9
7	3rd Street	W Lake Shore Drive	Wooster Street	NB	1.33	10
8	Carolina Beach Road	W Lake Shore Drive	College Road	SB	1.19	6
9	College Road	Gordon Road	Wilshire Blvd	SB	1.23	8
10	College Road	Wilshire Blvd	Pinecliff Drive	NB	1.19	6
11	College Road/ Carolina Beach Road	Pinecliff Drive	Sanders Road	NB	1.23	8
12	17th/16th Street	Market Street	College Road	SB	1.20	7
13	Kerr Avenue	MLK Jr Pkwy	College Road	NB	1.15	5
14	MLK Jr Pkwy/ Eastwood Road	College Road	Military Cutoff Road	WB	1.20	7
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	EB	1.15	5
16	US74/76	Maco Road	US17/Ocean Hwy	EB	1.05	1
17	US17/Ocean wy	Lanvale Road	Cape Fear Memorial Bridge	NB	1.06	2
18	NC133/River Road	US17/74/76	Rabon Way		1.07	2
19	US17/74/76	NC133 Split	5th Avenue	SB	1.05	1
20	US421/NC133	US74 Split	3rd Street	SB	1.05	1
21	US117/College Road	Holly Shelter Road	Gordon Road	NB	1.12	4
22	Gordon Road	I-40	Military Cutoff Road	EB	1.22	7
23	US17/Market Street	NC140	Washington Acres	NB	1.29	9
24	US17/NC210	Washington Acres Rd	Sloop Point Road	NB	1.12	4
25	Eastwood Rd/ US76/Causeway Dr	Military Cutoff Road	Lumina Avenue		1.18	6
26	US421/Carolina Beach Road	Sanders Road	Snow's Cut Bridge	SB	1.18	6
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	NB	1.04	1
28	Pine Grove Drive	College Road	Masonboro Sound Rd		1.25	8
29	Village Road	US17/74/76	Town Hall Drive	WB	1.09	3
30	Independence Blvd	US421	Market Street	NB	1.10	3

PM LOTTR SCORING

PM LOTTR	SCORE
1.33 - 1.30	10
1.29 - 1.26	9
1.25 - 1.23	8
1.22 - 1.20	7
1.19 - 1.16	6
1.15 - 1.14	5
1.13 - 1.11	4
1.10 - 1.09	3
1.08 - 1.06	2
1.05 - 1.04	1

WORST

BEST

WORST ROADWAY SEGMENTS IN TERMS OF PM LOTTR

- Segment 7: 3RD STREET from W Lake Shore Drive to Wooster Street

BEST ROADWAY SEGMENTS IN TERMS OF PM LOTTR

- Segment 16: US74/76 from Maco Road to US17/Ocean Hwy
- Segment 19: US17/74/76 from NC133 Split to 5th Avenue
- Segment 20: US421/NC133 from US74 Split to 3rd Street
- Segment 27: US421/LAKE PARK BLVD from Snow's Cut Bridge to End of US421

DATA

The data used to calculate the PM LOTTR for each roadway segment can be found on pages 20-34.

This page intentionally left blank

DRAFT

PERFORMANCE METRICS: SCORING AND DATA

The data used to calculate the AM Delay Rate, PM Delay Rate, AM LOTTR, and PM LOTTR for each roadway segment can be found on the following pages.

NOTES:

- Corridor, To-From: this reflects our updated corridor boundary points due to the available TMCs, which may differ slightly from the previous corridor limits
- Length: one-way distance in miles
- All travel times and delays in minutes
- All speeds in miles per hour
- FF Travel Time: this is taken as the 5th percentile travel time. We will replace once we receive the updated free flow speeds from City of Wilmington
- AM 3Hr TT, PM 3Hr TT: these are the average corridor travel times for the two peak periods (6-9am and 3-6pm, respectively)
- AM High TT Hour, PM High TT Hour: the hour experiencing the highest average travel time
- AM 3Hr Delay, PM 3Hr Delay: the difference between the average travel time and free flow travel time during each peak period (6-9am and 3-6pm, respectively)
- AM 3Hr Delay Rate, PM 3Hr Delay Rate: the delay divided by the corridor length (minutes/mile)
- AM High TT, PM High TT: the average travel time for the hour with the highest average travel time (for each peak period)
- AM High Delay, PM High Delay: the average delay for the hour with the highest average delay (for each peak period)
- TT_50_6, TT_50_7, etc.: the 50th percentile travel time for the 6:00-7:00am hour, the 7:00-8:00am hour, etc.
- TT_80_6, TT_50_7, etc.: the 80th percentile travel time for the 6:00-7:00am hour, the 7:00-8:00am hour, etc.
- TT_95_6, TT_50_7, etc.: the 95th percentile travel time for the 6:00-7:00am hour, the 7:00-8:00am hour, etc.
- AM High Hour Median TT: the 50th percentile travel time for the AM peak hour (identified by the highest travel time)
- AM High Hour 80th TT: the 80th percentile travel time for the AM peak hour (identified by the highest travel time)
- AM High Hour LoTTR: The 80th percentile travel time divided by the median travel time for the AM peak hour (identified by the highest travel time)

DRAFT

SEGMENT ID KEY

#	Segment Name	To	From	Dir.	Segment ID
1	Market St	3rd Street	College Road	EB	**1A**
1	Market St	3rd Street	College Road	WB	**1B**
2	Market St	College Rd	NC 140	NB	**2A**
2	Market St	College Rd	NC 140	SB	**2B**
3	Oleander Dr	Cape Fear Memorial Bridge	College Road	NB_EB	**3A**
3	Oleander Dr	Cape Fear Memorial Bridge	College Road	SB_WB	**3B**
4	Oleander Dr/Military Cutoff Rd	College Rd	Gordon Road	EB_NB	**4A**
4	Oleander Dr/Military Cutoff Rd	College Rd	Gordon Road	WB_SB	**4B**
5	Shipyard Blvd	River Road	College Road	EB_NB	**5A**
5	Shipyard Blvd	River Road	College Road	WB_SB	**5B**
6	Front St	3rd Street	Cape Fear Memorial Bridge	NB	**6A**
6	Front St	3rd Street	Cape Fear Memorial Bridge	SB	**6B**
7	3rd St	River Road	Wooster St	NB	**7A**
7	3rd St	River Road	Wooster St	SB	**7B**
8	Carolina Beach Rd	3rd Street	College Road	NB	**8A**
8	Carolina Beach Rd	3rd Street	College Road	SB	**8B**
9	College Rd	Gordon Road	Wrightsville Ave	NB	**9A**
9	College Rd	Gordon Road	Wrightsville Ave	SB	**9B**
10	College Rd	Wrightsville Ave	Mohican Tr	NB	**10A**
10	College Rd	Wrightsville Ave	Mohican Tr	SB	**10B**
11	College Rd	Mohican Tr	Myrtle Grove Rd	NB	**11A**
11	College Rd	Mohican Tr	Myrtle Grove Rd	SB	**11B**
13	Kerr Ave	MLK Jr. Parkway	College Road	NB	**13A**
13	Kerr Ave	MLK Jr. Parkway	College Road	SB	**13B**
14	MLK Jr Pkwy/Eastwood Rd	College Rd	Military Cutoff Rd	EB	**14A**
14	MLK Jr Pkwy/Eastwood Rd	College Rd	Military Cutoff Rd	WB	**14B**
15	Randall Pkwy	Covil Ave / Independence Blvd	College Road	EB	**15A**
15	Randall Pkwy	Covil Ave / Independence Blvd	College Road	WB	**15B**
16	US 74	Maco Rd	US 17/ Ocean Hwy	EB	**16A**
16	US 74	Maco Rd	US 17/ Ocean Hwy	WB	**16B**
17	US 17	I-140	3rd St	NB	**17A**
17	US 17	I-140	3rd St	SB	**17B**
19	US17/US74/US76	NC 133	3rd St	NB	**19A**
19	US17/US74/US76	NC 133	3rd St	SB	**19B**
21	US 117/College Rd	Holly Shelter Rd	Gordon Rd	NB	**21A**
21	US 117/College Rd	Holly Shelter Rd	Gordon Rd	SB	**21B**
22	Gordon Rd	I-40	Military Cutoff Rd	EB	**22A**
22	Gordon Rd	I-40	Military Cutoff Rd	WB	**22B**
23	US 17	NC-140	NC 210 (South)	NB	**23A**
23	US 17	NC-140	NC 210 (South)	SB	**23B**
24	US 17	NC 210 (South)	NC 210 (North)	NB	**24A**
24	US 17	NC 210 (South)	NC 210 (North)	SB	**24B**
26	US 421/Carolina Beach Rd	Myrtle Grove Rd	Dow Rd	NB	**26A**
26	US 421/Carolina Beach Rd	Myrtle Grove Rd	Dow Rd	SB	**26B**
27	US 421/Lake Park Blvd	Dow Rd	End of US 421	NB	**27A**
27	US 421/Lake Park Blvd	Dow Rd	End of US 421	SB	**27B**
29	Village Rd	US 17/74/76	Old Mill Rd	EB	**29A**
29	Village Rd	US 17/74/76	Old Mill Rd	WB	**29B**
30	Independence Blvd	US 421	Market St	NB	**30A**
30	Independence Blvd	US 421	Market St	SB	**30B**

PERFORMANCE METRICS: SCORING AND DATA

TT = Travel Time
LoTTR = Level of Travel Time Reliability

Segment ID	AM High Delay Rate	PM High Delay Rate	AM High Hour 50th TT	AM High Hour 80th TT	AM High Hour LoTTR	PM High Hour 50th TT	PM High Hour 80th TT	PM High Hour LoTTR
1A	0.83	1.26	10.8	11.55	1.07	12.52	13.78	1.1
1B	0.76	0.95	10.38	11.33	1.09	11.27	11.99	1.06
2A	0.62	1.33	12.48	14.07	1.13	16.83	21.4	1.27
2B	1.71	0.95	19.63	22.99	1.17	14.36	16.78	1.17
3A	1.11	0.99	12.83	13.93	1.09	12.22	13.83	1.13
3B	0.53	1.76	9.61	10.61	1.1	15.11	18.3	1.21
4A	0.53	0.77	12.1	12.81	1.06	13.72	14.88	1.08
4B	0.68	1.42	13.16	14.26	1.08	17.81	20.81	1.17
5A	1.44	1.37	10.04	11.03	1.1	9.5	10.76	1.13
5B	1.09	1.10	8.65	9.53	1.1	8.47	9.27	1.09
6A	0.42	0.83	2.2	2.59	1.18	2.56	3.1	1.21
6B	0.63	0.85	2.09	2.53	1.21	2.4	3.04	1.26
7A	4.13	5.80	5.55	6.38	1.15	7.14	9.5	1.33
7B	3.87	7.64	5.38	6.02	1.12	9.08	11.98	1.32
8A	1.04	0.89	14.39	16.61	1.15	13.07	15.04	1.15
8B	0.40	1.04	11	11.96	1.09	14.57	17.29	1.19
9A	0.35	1.42	8.15	8.79	1.08	13.63	16.24	1.19
9B	1.55	2.06	13.27	14.55	1.1	14.35	17.64	1.23
10A	2.63	1.33	16.45	18.98	1.15	10.76	12.8	1.19
10B	0.53	1.37	7.36	8.74	1.19	10.63	12.46	1.17
11A	0.69	0.44	9.6	10.84	1.13	8.27	10.13	1.23
11B	0.66	0.46	9.23	11.5	1.25	8.3	9.91	1.19
13A	1.22	1.78	7.33	8.01	1.09	8.81	10.17	1.15
13B	1.02	1.60	6.75	7.28	1.08	8.37	9.26	1.11
14A	1.12	0.86	7.61	8.64	1.14	6.87	7.79	1.13
14B	0.52	1.50	5.69	6.27	1.1	8.71	10.46	1.2
15A	0.87	1.26	4.3	4.77	1.11	4.97	5.72	1.15
15B	0.79	0.74	4.17	4.82	1.15	4.11	4.46	1.09
16A	0.00	0.00	9.22	9.62	1.04	9.04	9.53	1.05
16B	0.00	0.00	9.51	10.06	1.06	9.27	9.7	1.05
17A	0.42	0.11	15.32	18.44	1.2	12.13	12.84	1.06
17B	0.20	0.14	13.11	13.62	1.04	12.45	13.15	1.06
19A	0.71	0.08	8.11	10.29	1.27	5.04	5.23	1.04
19B	0.30	0.10	6.51	6.96	1.07	5.44	5.73	1.05
21A	0.69	0.62	12.61	14.03	1.11	11.83	13.28	1.12
21B	0.68	0.44	12.59	13.77	1.09	10.83	11.53	1.07
22A	1.32	2.04	7.16	8.58	1.2	9.32	11.37	1.22
22B	1.84	1.16	8.52	10.62	1.25	6.87	7.79	1.13
23A	0.10	0.54	7.13	7.59	1.06	9.7	12.47	1.29
23B	0.16	0.06	7.12	8.07	1.13	6.62	7.13	1.08
24A	0.09	0.12	11.03	11.53	1.05	11.27	12.65	1.12
24B	0.63	0.14	15.72	19.21	1.22	11.28	12.65	1.12
26A	0.04	0.09	3.71	4.05	1.09	3.79	4.35	1.15
26B	0.12	0.09	3.96	4.47	1.13	3.79	4.47	1.18
27A	0.35	0.41	15.55	17.67	1.14	15.93	16.52	1.04
27B	0.34	0.50	15.44	15.92	1.03	16.55	17.24	1.04
29A	0.55	0.38	6.15	7.25	1.18	5.71	6.14	1.07
29B	0.22	0.29	5.24	5.61	1.07	5.45	5.93	1.09
30A	1.47	1.57	13.91	14.89	1.07	14.27	15.63	1.1
30B	1.13	1.44	12.16	13.04	1.07	13.63	14.83	1.09

DRAFT

AM

FF = Free Flow; TT = Travel Time

Segment ID	Length	FF Travel Time AM	FF Speed AM	AM 3Hr TT	AM High TT	AM High TT Hour	AM 3Hr Delay	AM High Delay	AM 3HR Delay Rate	AM High Delay Rate
1A	4.42	7.09	37.40	9.25	10.75	7:50-8:50	2.16	3.66	0.49	0.83
1B	4.42	7.09	37.40	9.35	10.46	7:40-8:40	2.26	3.37	0.51	0.76
2A	6.37	8.57	44.60	11.73	12.53	7:20-8:20	3.16	3.96	0.50	0.62
2B	6.37	8.57	44.60	15.06	19.49	7:20-8:20	6.49	10.92	1.02	1.71
3A	4.89	7.43	39.50	10.55	12.85	7:50-8:50	3.12	5.42	0.64	1.11
3B	4.69	7.12	39.50	8.61	9.62	7:50-8:50	1.49	2.50	0.32	0.53
4A	6.51	8.68	45.00	10.81	12.12	7:55-8:55	2.13	3.44	0.33	0.53
4B	6.55	8.73	45.00	10.92	13.16	7:50-8:50	2.19	4.43	0.33	0.68
5A	3.67	4.72	46.65	8.38	9.99	7:45-8:45	3.66	5.27	1.00	1.44
5B	3.65	4.69	46.65	7.45	8.66	7:45-8:45	2.76	3.97	0.75	1.09
6A	1.03	1.77	35.00	2.11	2.20	7:15-8:15	0.34	0.43	0.33	0.42
6B	1.03	1.77	35.00	2.09	2.41	7:35-8:35	0.32	0.64	0.31	0.63
7A	0.97	1.66	35.00	4.96	5.67	7:35-8:35	3.30	4.01	3.40	4.13
7B	0.97	1.66	35.00	4.74	5.42	7:45-8:45	3.08	3.76	3.17	3.87
8A	5.77	8.42	41.14	12.17	14.40	7:20-8:20	3.75	5.98	0.65	1.04
8B	5.95	8.68	41.14	10.80	11.06	7:20-8:20	2.12	2.38	0.36	0.40
9A	5.21	6.40	48.87	8.11	8.21	6:15-7:15	1.71	1.81	0.33	0.35
9B	4.67	5.73	48.87	11.04	12.97	7:25-8:25	5.31	7.24	1.14	1.55
10A	3.99	5.41	44.26	10.93	15.91	7:30-8:30	5.52	10.50	1.38	2.63
10B	3.94	5.34	44.26	6.70	7.43	7:20-8:20	1.36	2.09	0.34	0.53
11A	4.78	6.29	45.61	8.05	9.59	7:30-8:30	1.76	3.30	0.37	0.69
11B	4.79	6.30	45.61	8.09	9.45	7:20-8:20	1.79	3.15	0.37	0.66
13A	2.83	3.85	44.10	6.68	7.29	7:55-8:55	2.83	3.44	1.00	1.22
13B	2.83	3.85	44.10	6.34	6.75	7:35-8:35	2.49	2.90	0.88	1.02
14A	3.20	4.09	46.90	5.89	7.69	7:45-8:45	1.80	3.60	0.56	1.12
14B	3.18	4.07	46.90	5.36	5.73	7:50-8:50	1.29	1.66	0.41	0.52
15A	1.66	2.85	35.00	3.75	4.29	7:55-8:55	0.90	1.44	0.54	0.87
15B	1.66	2.85	35.00	3.60	4.16	7:55-8:55	0.75	1.31	0.45	0.79
16A	8.86	9.29	57.20	9.10	9.26	6:55-7:55	0.00	0.00	0.00	0.00
16B	9.13	9.58	57.20	9.25	9.55	6:30-7:30	0.00	0.00	0.00	0.00
17A	9.70	10.98	53.00	12.02	15.01	7:30-8:30	1.04	4.03	0.11	0.42
17B	9.76	11.05	53.00	12.04	13.01	7:30-8:30	0.99	1.96	0.10	0.20
19A	4.14	4.70	52.80	5.15	7.66	7:30-8:30	0.45	2.96	0.11	0.71
19B	4.42	5.02	52.80	5.47	6.35	7:30-8:30	0.45	1.33	0.10	0.30
21A	6.12	8.35	44.00	10.15	12.56	7:40-8:40	1.80	4.21	0.29	0.69
21B	6.14	8.37	44.00	10.64	12.57	7:35-8:35	2.27	4.20	0.37	0.68
22A	2.74	3.65	45.00	5.54	7.27	7:30-8:30	1.89	3.62	0.69	1.32
22B	2.74	3.65	45.00	5.91	8.70	7:40-8:40	2.26	5.05	0.82	1.84
23A	5.82	6.60	52.90	6.85	7.16	7:30-8:30	0.25	0.56	0.04	0.10
23B	5.51	6.25	52.90	6.62	7.12	7:35-8:35	0.37	0.87	0.07	0.16
24A	8.64	10.22	50.70	10.80	10.98	7:30-8:30	0.58	0.76	0.07	0.09
24B	8.65	10.24	50.70	12.06	15.69	7:00-8:00	1.82	5.45	0.21	0.63
26A	2.90	3.56	48.90	3.63	3.66	7:45-8:45	0.07	0.10	0.02	0.04
26B	2.91	3.57	48.90	3.71	3.92	6:55-7:55	0.14	0.35	0.05	0.12
27A	6.99	13.07	32.10	14.49	15.53	7:55-8:55	1.42	2.46	0.20	0.35
27B	6.98	13.05	32.10	14.27	15.43	7:55-8:55	1.22	2.38	0.18	0.34
29A	3.22	4.52	42.70	5.58	6.29	7:35-8:35	1.06	1.77	0.33	0.55
29B	3.23	4.54	42.70	4.94	5.25	7:45-8:45	0.40	0.71	0.12	0.22
30A	4.85	6.77	43.00	11.02	13.90	7:55-8:55	4.25	7.13	0.88	1.47
30B	4.84	6.75	43.00	10.82	12.20	7:55-8:55	4.07	5.45	0.84	1.13

PERFORMANCE METRICS: SCORING AND DATA

PM

FF = Free Flow; TT = Travel Time

Segment ID	Length	FF Travel Time PM	FF Speed PM	PM 3Hr TT	PM High TT	PM High TT Hour	PM 3Hr Delay	PM High Delay	PM 3HR Delay Rate	PM High Delay Rate
1A	4.42	7.09	37.40	11.73	12.66	17:00-18:00	4.64	5.57	1.05	1.26
1B	4.42	7.09	37.40	10.95	11.28	16:50-17:50	3.86	4.19	0.87	0.95
2A	6.37	8.57	44.60	15.02	17.01	16:50-17:50	6.45	8.44	1.01	1.33
2B	6.37	8.57	44.60	13.40	14.60	16:35-17:35	4.83	6.03	0.76	0.95
3A	4.89	7.43	39.50	11.46	12.25	16:55-17:55	4.03	4.82	0.82	0.99
3B	4.69	7.12	39.50	12.88	15.37	16:55-17:55	5.76	8.25	1.23	1.76
4A	6.51	8.68	45.00	12.91	13.71	16:55-17:55	4.23	5.03	0.65	0.77
4B	6.55	8.73	45.00	15.10	18.04	17:00-18:00	6.37	9.31	0.97	1.42
5A	3.67	4.51	48.78	8.87	9.54	15:55-16:55	4.36	5.03	1.19	1.37
5B	3.65	4.49	48.78	8.20	8.49	16:35-17:35	3.71	4.00	1.02	1.10
6A	1.03	1.77	35.00	2.35	2.62	16:30-17:30	0.58	0.85	0.57	0.83
6B	1.03	1.77	35.00	2.20	2.64	16:15-17:15	0.43	0.87	0.42	0.85
7A	0.97	1.66	35.00	5.91	7.29	16:45-17:45	4.25	5.63	4.38	5.80
7B	0.97	1.66	35.00	6.02	9.07	16:55-17:55	4.36	7.41	4.49	7.64
8A	5.77	7.96	43.49	11.89	13.11	17:00-18:00	3.93	5.15	0.68	0.89
8B	5.95	8.21	43.49	12.04	14.42	16:50-17:50	3.83	6.21	0.64	1.04
9A	5.21	6.29	49.72	11.06	13.69	16:50-17:50	4.77	7.40	0.92	1.42
9B	4.67	5.64	49.72	12.90	15.25	16:55-17:55	7.26	9.61	1.56	2.06
10A	3.99	5.33	44.91	10.06	10.62	16:40-17:40	4.73	5.29	1.19	1.33
10B	3.94	5.26	44.91	8.97	10.65	16:45-17:45	3.71	5.39	0.94	1.37
11A	4.78	6.21	46.18	7.84	8.32	17:05-18:05	1.63	2.11	0.34	0.44
11B	4.79	6.22	46.18	7.98	8.45	16:55-17:55	1.76	2.23	0.37	0.46
13A	2.83	3.85	44.10	8.47	8.88	17:00-18:00	4.62	5.03	1.63	1.78
13B	2.83	3.85	44.10	8.03	8.38	17:10-18:10	4.18	4.53	1.48	1.60
14A	3.20	4.09	46.90	6.09	6.84	17:00-18:00	2.00	2.75	0.62	0.86
14B	3.18	4.07	46.90	7.30	8.85	17:00-18:00	3.23	4.78	1.02	1.50
15A	1.66	2.85	35.00	4.66	4.94	16:35-17:35	1.81	2.09	1.09	1.26
15B	1.66	2.85	35.00	4.00	4.07	15:55-16:55	1.15	1.22	0.70	0.74
16A	8.86	9.29	57.20	9.03	9.08	17:55-18:55	0.00	0.00	0.00	0.00
16B	9.13	9.58	57.20	9.21	9.27	15:55-16:55	0.00	0.00	0.00	0.00
17A	9.70	10.98	53.00	11.94	12.08	16:45-17:45	0.96	1.10	0.10	0.11
17B	9.76	11.05	53.00	12.23	12.46	16:50-17:50	1.18	1.41	0.12	0.14
19A	4.14	4.70	52.80	5.00	5.03	17:45-18:45	0.30	0.33	0.07	0.08
19B	4.42	5.02	52.80	5.40	5.45	16:25-17:25	0.38	0.43	0.09	0.10
21A	6.12	8.13	45.17	11.28	11.92	16:50-17:50	3.15	3.79	0.51	0.62
21B	6.14	8.16	45.17	10.54	10.85	16:35-17:35	2.38	2.69	0.39	0.44
22A	2.74	3.65	45.00	7.42	9.23	17:10-18:10	3.77	5.58	1.37	2.04
22B	2.74	3.65	45.00	6.35	6.83	17:05-18:05	2.70	3.18	0.98	1.16
23A	5.82	6.60	52.90	7.94	9.77	16:55-17:55	1.34	3.17	0.23	0.54
23B	5.51	6.25	52.90	6.49	6.60	15:55-16:55	0.24	0.35	0.04	0.06
24A	8.64	10.22	50.70	11.03	11.24	16:50-17:50	0.81	1.02	0.09	0.12
24B	8.65	10.24	50.70	11.04	11.45	15:55-16:55	0.80	1.21	0.09	0.14
26A	2.90	3.56	48.90	3.79	3.81	16:55-17:55	0.23	0.25	0.08	0.09
26B	2.91	3.57	48.90	3.79	3.83	17:30-18:30	0.22	0.26	0.08	0.09
27A	6.99	13.07	32.10	15.86	15.95	17:55-18:55	2.79	2.88	0.40	0.41
27B	6.98	13.05	32.10	16.26	16.52	16:35-17:35	3.21	3.47	0.46	0.50
29A	3.22	4.52	42.70	5.68	5.74	15:55-16:55	1.16	1.22	0.36	0.38
29B	3.23	4.54	42.70	5.30	5.46	17:00-18:00	0.76	0.92	0.24	0.29
30A	4.85	6.77	43.00	13.79	14.40	16:40-17:40	7.02	7.63	1.45	1.57
30B	4.84	6.75	43.00	12.99	13.71	17:10-18:10	6.24	6.96	1.29	1.44

DRAFT

50th Percentile Travel Time for the 6:00-7:00am Hour, the 7:00-8:00am Hour, etc.

Segment ID	Length	TT_50_6	TT_50_7	TT_50_8	TT_50_9	TT_50_10	TT_50_11	TT_50_12	TT_50_13
1A	4.42	8.41	9.04	10.40	9.86	10.00	10.32	11.02	10.82
1B	4.42	8.05	8.89	9.89	9.69	9.89	10.23	10.71	10.63
2A	6.37	10.06	11.85	12.12	11.05	11.32	11.72	12.62	12.93
2B	6.37	9.55	15.72	14.86	12.27	12.10	12.45	13.26	12.51
3A	4.89	8.68	9.89	11.96	10.12	10.42	11.01	11.92	11.39
3B	4.69	7.72	8.25	9.03	9.01	9.41	9.70	10.87	10.90
4A	6.51	9.56	10.38	11.64	11.47	11.48	11.86	12.68	12.61
4B	6.55	9.64	10.53	12.30	11.67	12.20	12.77	14.23	14.63
5A	3.67	6.67	7.79	9.38	8.51	8.40	8.53	8.80	8.41
5B	3.65	6.38	7.07	7.96	7.62	7.65	7.84	7.97	7.84
6A	1.03	1.96	2.12	2.10	2.07	2.05	2.11	2.07	2.01
6B	1.03	2.07	2.12	2.20	2.08	2.21	2.31	2.19	2.21
7A	0.97	4.24	4.65	5.22	4.88	4.88	4.97	5.01	4.99
7B	0.97	4.15	4.48	4.96	4.94	4.92	4.92	5.34	5.12
8A	5.77	9.00	12.44	11.19	9.81	9.64	10.08	10.11	10.06
8B	5.95	9.24	10.83	10.79	10.09	10.16	10.48	11.04	11.09
9A	5.21	7.98	8.00	8.04	8.23	8.34	8.57	9.39	9.36
9B	4.67	7.30	11.62	10.91	9.11	9.16	9.40	10.95	10.39
10A	3.99	6.75	10.06	12.63	8.16	8.35	8.73	9.88	8.39
10B	3.94	5.69	7.15	6.53	6.22	6.47	6.86	6.96	7.14
11A	4.78	6.68	8.07	8.44	7.37	7.57	7.71	7.79	7.65
11B	4.79	7.05	8.57	8.26	7.21	7.15	7.30	7.47	7.61
13A	2.83	5.75	6.68	7.25	7.27	7.38	7.65	7.83	7.85
13B	2.83	5.55	6.38	6.53	6.60	6.65	6.87	7.12	7.19
14A	3.20	5.02	5.55	6.58	6.06	5.80	5.88	6.20	5.95
14B	3.18	4.69	5.21	5.43	5.46	5.68	5.99	6.52	6.47
15A	1.66	3.33	3.62	4.26	4.40	4.45	4.38	4.48	4.41
15B	1.66	3.27	3.50	3.96	3.95	3.97	3.95	3.95	4.04
16A	8.86	8.85	9.17	9.14	9.02	9.01	8.98	8.94	9.01
16B	9.13	9.26	9.33	9.15	9.20	9.22	9.23	9.22	9.16
17A	9.70	11.29	11.89	12.29	11.98	12.06	12.06	12.11	12.03
17B	9.76	11.57	11.96	12.16	11.82	11.88	11.92	11.94	11.91
19A	4.14	4.87	5.10	5.31	5.02	5.04	4.97	4.97	4.98
19B	4.42	5.28	5.47	5.63	5.34	5.36	5.32	5.29	5.30
21A	6.12	8.81	9.85	10.95	9.53	9.50	9.64	9.82	9.68
21B	6.14	9.12	10.18	11.34	9.78	9.75	9.85	10.03	9.97
22A	2.74	4.54	5.34	5.81	5.23	5.37	5.38	5.66	5.65
22B	2.74	4.47	5.44	6.46	5.28	5.17	5.25	5.41	5.23
23A	5.82	6.47	6.85	6.98	6.85	6.85	6.98	6.98	6.98
23B	5.51	6.13	6.62	6.75	6.36	6.49	6.49	6.62	6.49
24A	8.64	10.17	10.80	10.80	10.58	10.80	10.80	10.80	10.80
24B	8.65	10.59	14.41	11.28	10.81	11.04	11.04	11.04	11.04
26A	2.90	3.55	3.63	3.59	3.63	3.71	3.79	3.79	3.71
26B	2.91	3.49	3.79	3.71	3.71	3.71	3.71	3.79	3.79
27A	6.99	13.72	14.38	15.73	16.10	16.10	16.22	16.34	16.24
27B	6.98	13.46	14.15	15.54	15.91	16.13	16.38	16.52	16.33
29A	3.22	5.03	5.55	5.71	5.68	5.59	5.61	5.68	5.68
29B	3.23	4.73	4.98	5.13	5.17	5.11	5.24	5.30	5.24
30A	4.85	9.43	10.56	13.15	12.57	12.70	12.86	13.45	13.04
30B	4.84	9.70	10.52	11.88	12.03	12.23	12.14	12.23	12.37

50th Percentile Travel Time for the 6:00-7:00am Hour, the 7:00-8:00am Hour, etc., continued

Segment ID	TT_50_14	TT_50_15	TT_50_16	TT_50_17	TT_50_18	TT_50_19	TT_50_20	TT_50_21
1A	10.82	10.94	11.39	11.47	10.30	9.92	9.54	9.51
1B	10.41	10.68	10.50	10.79	10.12	9.91	9.49	9.43
2A	12.64	13.70	14.33	16.14	11.27	10.36	10.15	9.72
2B	12.38	12.83	13.01	14.06	11.15	11.00	10.54	9.85
3A	11.14	10.90	11.10	11.34	10.31	10.09	9.90	9.78
3B	10.72	11.44	11.72	12.54	9.88	9.37	9.19	9.08
4A	12.27	12.28	12.80	12.62	11.36	11.11	10.64	10.62
4B	13.89	14.46	14.08	15.67	12.48	11.82	11.69	11.64
5A	8.46	8.67	8.63	8.32	7.96	8.03	7.78	7.65
5B	7.78	7.97	8.00	7.84	7.60	7.59	7.35	7.30
6A	2.07	2.22	2.28	2.43	1.92	1.88	1.81	1.86
6B	2.28	2.24	2.36	2.28	2.00	1.91	1.83	1.71
7A	5	5.29	5.59	6.21	4.97	5.03	4.97	4.91
7B	5.15	5.27	5.5	6.64	4.87	4.6	4.53	4.47
8A	10.27	10.87	11.79	12.61	10.69	9.61	9.00	8.27
8B	11.24	11.20	11.79	13.76	10.47	9.43	9.31	9.12
9A	9.35	10.18	10.41	12.72	9.28	8.56	7.71	7.85
9B	10.18	10.77	11.43	13.92	9.29	8.64	7.21	8.11
10A	8.68	9.25	9.87	9.65	8.22	6.80	6.18	6.33
10B	7.78	8.32	8.41	10.04	7.62	6.24	6.18	6.34
11A	7.80	7.93	7.82	8.10	7.56	7.18	6.79	6.46
11B	7.93	8.39	7.86	8.12	7.50	7.24	6.92	6.60
13A	7.85	7.75	8.00	8.32	7.55	7.80	7.74	8.02
13B	7.10	7.31	7.58	7.64	7.31	7.03	7.25	7.04
14A	5.76	5.88	5.79	6.21	5.52	5.29	5.38	5.43
14B	6.35	6.67	6.76	7.56	5.87	5.35	5.44	5.40
15A	4.39	4.54	4.62	4.61	4.55	4.55	4.62	4.63
15B	4.01	4.05	3.99	3.88	3.88	3.87	3.88	3.88
16A	9.00	9.10	8.94	8.90	8.93	8.96	8.78	8.69
16B	9.20	9.32	9.22	9.19	9.02	8.96	8.90	8.99
17A	11.88	11.84	11.83	11.87	11.75	11.69	11.57	11.58
17B	11.90	11.95	11.99	12.10	11.82	11.78	11.73	11.72
19A	4.96	4.95	4.93	4.94	5.00	5.04	5.01	5.10
19B	5.31	5.29	5.30	5.38	5.34	5.40	5.40	5.46
21A	9.89	10.59	11.09	11.04	9.94	9.55	9.43	9.39
21B	10.06	10.28	10.35	10.26	9.85	9.75	9.57	9.53
22A	5.87	5.88	6.40	7.62	6.10	5.65	5.56	5.61
22B	5.38	5.39	5.88	6.30	5.61	5.19	5.10	5.09
23A	6.98	7.27	7.59	8.52	6.72	6.53	6.35	6.35
23B	6.36	6.62	6.49	6.36	6.13	6.13	6.13	6.13
24A	10.80	10.80	10.80	10.80	10.58	10.37	10.17	9.97
24B	11.53	11.53	11.28	11.04	10.81	10.59	10.17	10.17
26A	3.71	3.79	3.71	3.79	3.71	3.71	3.63	3.63
26B	3.87	3.79	3.79	3.79	3.71	3.56	3.56	3.49
27A	16.12	16.11	16.13	16.16	16.36	16.69	16.50	16.63
27B	16.38	16.44	16.34	16.26	16.18	16.24	16.01	16.02
29A	5.68	5.68	5.68	5.68	5.61	5.61	5.51	5.51
29B	5.24	5.25	5.24	5.28	5.14	5.13	5.11	5.11
30A	13.12	13.20	13.49	13.52	13.07	13.11	12.86	12.69
30B	12.41	12.48	12.54	12.82	12.34	11.96	11.28	11.31

DRAFT

80th Percentile Travel Time for the 6:00-7:00am Hour, the 7:00-8:00am Hour, etc.

Segment ID	Length	TT_80_6	TT_80_7	TT_80_8	TT_80_9	TT_80_10	TT_80_11	TT_80_12	TT_80_13
1A	4.42	8.82	9.85	11.39	10.86	10.96	11.20	12.04	11.83
1B	4.42	8.52	10.03	10.83	10.49	10.83	11.16	11.80	11.61
2A	6.37	11.17	13.59	13.65	12.53	12.65	13.25	14.56	15.40
2B	6.37	10.59	21.13	18.93	13.75	13.57	14.12	15.59	14.84
3A	4.89	9.08	11.55	13.35	11.16	11.32	12.17	13.45	12.62
3B	4.69	8.28	8.86	9.98	9.95	10.17	10.76	12.40	12.37
4A	6.51	9.99	11.51	12.55	12.28	12.21	12.60	13.70	13.46
4B	6.55	10.12	11.43	13.48	12.49	12.96	13.73	15.68	16.86
5A	3.67	6.99	9.21	10.60	9.50	9.48	9.84	9.93	9.43
5B	3.65	6.79	7.99	9.04	8.33	8.34	8.56	8.87	8.66
6A	1.03	2.31	2.44	2.55	2.40	2.40	2.55	2.36	2.27
6B	1.03	2.18	2.38	2.96	2.44	2.42	2.57	2.71	2.51
7A	0.97	4.73	5.39	5.92	5.42	5.39	5.49	5.58	5.51
7B	0.97	4.52	5.02	5.63	5.5	5.46	5.51	6.12	5.73
8A	5.77	10.16	15.66	13.99	10.71	10.63	11.00	11.14	11.07
8B	5.95	10.99	11.78	11.52	10.78	10.75	11.09	12.28	11.82
9A	5.21	8.65	9.02	8.83	9.31	9.26	9.68	10.62	10.60
9B	4.67	8.12	13.62	13.12	10.06	10.13	11.03	12.55	12.60
10A	3.99	7.62	16.77	16.41	9.65	9.81	10.64	11.82	10.34
10B	3.94	6.32	8.42	7.41	7.00	7.49	7.75	7.66	8.29
11A	4.78	7.62	9.70	10.22	8.40	8.81	8.75	9.11	8.70
11B	4.79	7.84	10.69	10.28	8.01	8.01	8.20	8.70	8.77
13A	2.83	6.20	7.45	7.96	8.05	8.25	8.52	8.84	8.87
13B	2.83	6.01	7.08	7.21	7.36	7.41	7.64	8.00	8.02
14A	3.20	5.37	6.47	7.97	6.82	6.45	6.50	7.06	6.82
14B	3.18	5.06	5.85	6.04	5.94	6.31	6.71	7.33	7.30
15A	1.66	3.56	4.22	4.67	4.87	4.96	5.03	5.32	5.16
15B	1.66	3.48	3.95	4.67	4.55	4.56	4.51	4.39	4.54
16A	8.86	9.18	9.60	9.49	9.41	9.33	9.30	9.22	9.34
16B	9.13	9.69	9.84	9.50	9.48	9.53	9.54	9.50	9.49
17A	9.70	11.53	14.17	15.60	12.43	12.52	12.49	12.58	12.45
17B	9.76	11.86	12.78	13.33	12.23	12.27	12.36	12.36	12.37
19A	4.14	5.02	6.96	8.41	5.27	5.24	5.18	5.16	5.20
19B	4.42	5.46	6.27	6.78	5.56	5.57	5.48	5.51	5.52
21A	6.12	9.24	10.76	13.45	10.21	10.00	10.15	10.45	10.31
21B	6.14	9.58	11.86	13.05	10.47	10.38	10.51	10.80	10.52
22A	2.74	4.92	6.52	7.16	5.77	5.82	5.89	6.22	6.34
22B	2.74	4.69	6.94	8.73	5.92	5.71	5.80	6.12	5.90
23A	5.82	6.98	7.27	7.43	7.27	7.43	7.59	7.59	7.59
23B	5.51	6.62	7.19	7.69	6.89	6.89	7.04	7.04	6.89
24A	8.64	11.03	11.53	11.53	11.53	11.53	11.79	11.84	11.79
24B	8.65	11.53	17.89	13.30	11.79	12.06	12.06	12.35	12.06
26A	2.90	3.96	3.96	4.05	3.96	4.15	4.15	4.25	4.25
26B	2.91	3.87	4.47	4.15	4.15	4.25	4.25	4.36	4.47
27A	6.99	14.01	15.02	16.68	17.03	16.96	17.04	17.21	17.29
27B	6.98	13.70	14.71	16.50	16.86	17.31	17.75	18.03	17.62
29A	3.22	5.25	6.27	6.23	5.99	5.89	5.96	6.19	6.15
29B	3.23	4.88	5.28	5.54	5.50	5.42	5.54	5.71	5.64
30A	4.85	9.88	11.83	14.23	13.58	13.52	13.84	14.77	13.89
30B	4.84	10.02	11.36	12.68	12.95	13.01	13.04	13.03	13.24

PERFORMANCE METRICS: SCORING AND DATA

80th Percentile Travel Time for the 6:00-7:00am Hour, the 7:00-8:00am Hour, etc., continued

Segment ID	TT_80_14	TT_80_15	TT_80_16	TT_80_17	TT_80_18	TT_80_19	TT_80_20	TT_80_21
1A	11.83	12.08	12.75	12.96	11.58	10.82	10.38	10.23
1B	11.34	11.66	11.66	11.84	11.04	10.64	10.22	10.02
2A	14.58	16.10	17.21	21.36	13.88	12.19	11.72	10.69
2B	14.06	14.58	15.54	16.67	13.35	13.52	13.06	11.73
3A	12.30	12.21	12.33	12.83	11.31	11.28	10.59	10.39
3B	12.10	13.82	14.02	15.86	11.61	10.38	10.11	9.80
4A	13.19	13.20	14.02	14.19	12.16	11.94	11.21	11.08
4B	15.61	16.54	16.15	19.07	13.69	12.63	12.53	12.29
5A	9.44	9.86	10.08	9.83	8.70	8.50	8.28	8.01
5B	8.51	8.88	8.94	8.74	8.24	8.07	7.67	7.56
6A	2.42	2.67	2.70	3.06	2.19	2.10	2.22	2.08
6B	2.54	2.80	2.74	2.94	2.18	2.15	2.19	1.85
7A	5.49	6.01	6.59	8.14	5.58	5.39	5.3	5.17
7B	5.8	6.21	6.86	10.46	5.51	4.88	4.73	4.68
8A	11.29	12.31	13.02	14.88	11.57	11.64	10.04	8.58
8B	12.33	12.26	13.47	16.72	11.59	10.92	10.21	11.88
9A	10.88	12.08	12.22	15.04	10.25	9.47	9.07	8.54
9B	11.98	12.50	13.80	17.13	10.77	9.80	8.68	9.35
10A	10.14	11.44	11.83	12.01	10.19	8.10	7.15	6.69
10B	9.45	9.58	10.60	12.00	8.96	7.41	7.02	6.83
11A	8.95	9.12	9.60	9.82	8.85	8.75	7.98	8.05
11B	9.45	9.77	9.47	9.63	8.95	8.59	7.64	7.44
13A	8.75	8.66	9.19	9.68	8.83	9.34	9.02	9.04
13B	7.90	8.07	8.48	8.87	8.52	8.04	8.04	7.94
14A	6.43	6.57	6.52	7.20	6.27	5.75	5.78	5.77
14B	7.26	7.80	7.65	9.33	6.86	5.90	5.81	5.70
15A	5.02	5.23	5.23	5.24	5.22	5.03	4.96	4.86
15B	4.55	4.49	4.33	4.29	4.18	4.13	4.14	4.06
16A	9.36	9.47	9.41	9.30	9.40	9.40	9.14	9.06
16B	9.59	9.79	9.64	9.56	9.47	9.50	9.17	9.56
17A	12.26	12.34	12.27	12.54	12.22	12.04	11.88	11.82
17B	12.36	12.46	12.47	12.90	12.33	12.15	12.05	12.07
19A	5.15	5.14	5.11	5.25	5.18	5.21	5.20	5.28
19B	5.51	5.49	5.53	5.72	5.60	5.58	5.58	5.64
21A	10.51	12.02	12.64	12.59	10.60	9.94	9.74	9.63
21B	10.67	11.48	11.25	11.19	10.34	10.11	9.82	9.74
22A	6.93	6.72	7.54	9.84	7.42	6.18	6.06	5.92
22B	6.12	6.33	6.69	7.23	6.43	5.82	5.41	5.36
23A	7.76	8.52	9.70	11.64	8.12	7.13	6.85	6.98
23B	6.89	7.04	7.04	7.04	6.75	6.75	6.89	6.62
24A	12.06	11.79	12.06	12.06	11.53	11.53	11.27	11.03
24B	12.97	13.30	12.65	12.35	12.35	12.35	11.53	11.79
26A	4.25	4.35	4.35	4.47	4.25	4.15	4.15	4.05
26B	4.47	4.47	4.36	4.36	4.36	4.05	4.05	3.96
27A	17.25	17.35	17.69	17.43	17.87	18.09	18.22	18.58
27B	17.63	17.62	17.49	17.11	17.53	17.60	17.44	17.17
29A	5.99	6.07	6.03	5.98	5.85	5.78	5.68	5.68
29B	5.64	5.78	5.64	5.74	5.39	5.39	5.24	5.24
30A	13.96	14.08	14.68	14.62	14.06	14.05	13.81	13.46
30B	13.31	13.30	13.42	13.94	13.08	12.82	11.86	11.92

DRAFT

95th Percentile Travel Time for the 6:00-7:00am Hour, the 7:00-8:00am Hour, etc.

Segment ID	Length	TT_95_6	TT_95_7	TT_95_8	TT_95_9	TT_95_10	TT_95_11	TT_95_12	TT_95_13
1A	4.42	9.33	11.16	12.41	11.84	11.90	12.20	13.27	12.94
1B	4.42	9.28	11.52	11.82	11.55	11.65	11.98	12.91	12.64
2A	6.37	13.21	17.97	15.66	15.70	15.51	15.97	17.74	20.37
2B	6.37	13.51	25.31	23.85	16.34	16.18	16.84	18.60	18.10
3A	4.89	9.68	12.87	14.58	12.22	12.35	13.44	14.63	14.62
3B	4.69	8.82	9.82	11.14	10.88	11.09	12.02	14.82	13.98
4A	6.51	10.49	12.74	13.43	13.38	13.04	13.35	14.79	14.64
4B	6.55	10.79	12.75	14.79	13.27	13.76	14.80	17.72	19.09
5A	3.67	7.43	10.89	12.17	10.89	10.63	11.03	11.75	10.68
5B	3.65	7.41	9.13	10.50	9.43	9.19	9.47	9.90	9.68
6A	1.03	2.70	3.01	3.03	2.70	3.10	3.85	3.42	3.04
6B	1.03	2.40	2.49	4.94	2.79	2.89	3.08	3.44	3.34
7A	0.97	5.28	6.54	7.07	6.72	6.28	6.8	7.17	6.52
7B	0.97	5.22	5.72	6.31	6.19	6.05	6.1	7.05	6.63
8A	5.77	11.37	18.10	16.15	12.05	12.51	13.35	13.40	14.19
8B	5.95	12.33	13.11	12.82	11.56	12.08	12.34	13.66	13.07
9A	5.21	9.68	10.25	9.80	10.75	10.68	11.38	11.81	12.95
9B	4.67	9.12	15.48	15.33	11.08	11.91	12.63	15.44	15.54
10A	3.99	8.62	20.13	20.11	11.96	11.70	13.39	13.63	13.12
10B	3.94	7.43	10.15	8.79	8.34	9.21	8.80	9.14	9.78
11A	4.78	10.75	11.46	13.02	10.08	11.43	11.14	11.78	10.97
11B	4.79	9.99	13.80	13.37	9.09	9.59	11.10	10.81	10.59
13A	2.83	6.81	8.05	8.61	8.80	9.00	9.35	9.75	9.82
13B	2.83	6.58	7.89	8.04	8.29	8.23	8.52	8.77	8.87
14A	3.20	5.71	7.56	9.18	7.99	7.23	7.40	7.90	7.76
14B	3.18	5.50	6.67	6.92	6.78	6.93	7.67	8.37	8.16
15A	1.66	3.89	4.88	5.24	5.42	5.53	5.66	5.99	5.72
15B	1.66	3.78	4.62	5.44	5.18	5.32	5.09	5.14	5.29
16A	8.86	9.69	10.18	10.03	9.91	9.75	9.78	9.69	9.76
16B	9.13	10.16	10.55	9.97	10.06	9.96	9.86	10.00	9.87
17A	9.70	11.83	19.31	21.83	13.13	13.10	13.39	13.59	13.11
17B	9.76	12.25	13.58	14.18	13.14	12.79	13.23	13.02	13.01
19A	4.14	5.11	11.04	11.81	6.04	5.64	5.62	5.66	5.69
19B	4.42	5.51	6.96	7.40	6.23	5.96	5.93	6.01	6.00
21A	6.12	9.71	12.62	15.63	10.96	10.64	10.89	10.95	10.99
21B	6.14	10.23	13.29	14.78	11.17	11.11	11.13	11.49	11.21
22A	2.74	5.24	8.20	8.92	6.69	6.78	6.62	6.83	7.29
22B	2.74	5.07	9.13	11.50	6.54	6.35	6.41	6.75	6.62
23A	5.82	8.07	8.73	8.52	8.73	8.95	9.44	8.73	8.92
23B	5.51	7.35	8.07	9.19	7.69	8.27	8.07	8.07	8.07
24A	8.64	12.35	12.97	12.97	12.65	13.20	13.30	13.65	13.30
24B	8.65	12.97	21.61	16.73	13.30	14.02	14.62	15.70	16.37
26A	2.90	4.71	4.71	4.98	4.71	4.97	5.62	5.12	5.44
26B	2.91	4.47	5.57	4.84	5.28	5.28	5.56	6.15	5.62
27A	6.99	14.40	16.02	18.19	18.26	17.70	18.03	18.30	18.79
27B	6.98	14.09	15.41	17.38	17.90	18.31	19.27	19.73	19.68
29A	3.22	5.64	7.80	7.38	6.54	6.42	6.72	7.05	6.97
29B	3.23	5.25	5.78	6.12	6.19	5.96	6.11	6.35	6.14
30A	4.85	10.57	13.02	15.33	14.65	14.15	14.72	16.16	15.17
30B	4.84	10.42	12.49	13.77	13.89	13.86	13.70	14.13	14.24

95th Percentile Travel Time for the 6:00-7:00am Hour, the 7:00-8:00am Hour, etc., continued

Segment ID	TT_95_14	TT_95_15	TT_95_16	TT_95_17	TT_95_18	TT_95_19	TT_95_20	TT_95_21
1A	13.07	13.48	13.94	14.61	13.13	11.57	10.96	10.62
1B	12.50	12.59	12.56	12.92	12.06	11.55	10.67	10.42
2A	17.78	20.20	23.35	30.71	20.01	15.74	13.48	12.99
2B	16.60	18.50	18.99	21.63	16.14	16.57	24.88	22.71
3A	14.16	13.49	13.80	15.00	12.78	13.77	11.70	11.46
3B	13.91	17.27	16.71	19.59	13.88	12.31	11.14	10.53
4A	14.29	14.09	15.05	15.76	13.34	12.71	11.84	11.53
4B	18.16	18.91	19.27	22.26	16.60	13.65	13.69	12.89
5A	10.55	10.91	11.77	11.48	9.54	9.01	8.66	8.35
5B	9.38	9.75	10.08	9.94	9.01	8.62	8.10	7.71
6A	3.19	4.08	3.39	4.24	2.60	2.62	2.59	2.47
6B	3.20	3.05	3.31	3.47	2.40	2.49	2.76	2.86
7A	6.82	8.18	8.45	11.37	6.69	6.04	5.65	5.42
7B	6.56	7.41	10.86	14.22	7.46	5.44	5.02	4.94
8A	13.09	14.24	15.58	18.47	12.73	17.39	12.20	8.84
8B	13.62	14.43	17.16	20.11	13.37	12.86	10.86	14.30
9A	15.12	15.13	15.58	18.85	13.00	10.85	9.93	16.17
9B	15.01	14.30	17.03	21.47	12.65	12.90	13.67	12.92
10A	12.34	15.16	14.40	14.78	13.42	11.40	8.69	7.49
10B	11.13	11.26	12.46	14.64	11.18	8.95	7.37	7.34
11A	11.89	12.61	12.91	16.03	14.01	12.45	10.10	10.69
11B	11.41	12.62	11.72	12.00	11.81	11.33	9.44	8.74
13A	9.61	9.65	10.60	11.48	10.04	10.16	9.65	9.38
13B	8.87	8.78	9.40	10.01	9.41	8.71	8.55	8.40
14A	7.25	7.60	7.55	8.41	7.12	6.42	6.19	6.10
14B	8.47	8.73	8.71	12.14	8.09	6.46	6.18	5.98
15A	5.59	5.86	5.97	5.87	5.58	5.31	5.33	5.07
15B	5.19	5.17	4.89	4.97	4.63	4.32	4.32	4.25
16A	9.90	10.01	9.88	9.97	9.89	10.10	9.85	9.58
16B	10.06	10.19	10.30	10.06	10.13	10.22	10.15	10.07
17A	13.07	13.09	12.75	14.09	12.86	12.60	12.25	12.15
17B	13.02	13.38	13.36	14.13	13.22	12.52	12.41	12.48
19A	5.45	5.60	5.34	6.66	5.78	5.46	5.38	5.39
19B	5.85	6.14	5.80	6.69	6.05	5.77	5.78	5.83
21A	11.00	13.62	14.76	14.62	11.79	10.24	10.04	10.59
21B	11.21	13.05	12.55	12.34	11.00	10.43	10.13	10.04
22A	8.23	7.96	9.22	12.19	10.04	6.69	6.25	6.11
22B	6.84	7.46	7.54	8.72	7.86	6.43	5.94	5.48
23A	8.95	11.64	14.55	17.46	13.43	9.19	7.76	8.52
23B	8.07	8.27	8.28	8.70	8.27	8.07	7.88	8.07
24A	14.02	14.41	14.82	14.82	13.65	13.60	12.35	12.35
24B	14.82	17.29	17.83	15.26	15.17	16.73	13.30	12.97
26A	5.44	6.00	6.22	6.27	6.31	5.87	5.28	5.38
26B	6.46	5.81	6.01	6.46	6.01	5.13	5.45	5.62
27A	18.87	19.33	19.62	20.01	19.69	19.23	18.94	18.96
27B	19.77	19.52	20.01	20.05	19.83	18.88	17.85	17.78
29A	7.10	6.85	6.62	6.64	6.25	5.96	5.85	5.74
29B	6.39	6.93	6.26	6.30	5.96	5.58	5.43	5.34
30A	14.98	15.15	16.29	16.45	15.14	14.95	14.46	13.93
30B	14.37	14.24	14.36	15.14	13.98	13.55	12.58	12.41

DRAFT

TT = Travel Time; LOTTR = Level of Travel Time Reliability

Segment ID	Length	AM High Hour Median TT	AM High Hour 80th TT	AM High Hour LoTTR	PM High Hour Median TT	PM High Hour 80th TT	PM High Hour LoTTR
1A	4.42	10.8	11.55	1.07	12.52	13.78	1.1
1B	4.42	10.38	11.33	1.09	11.27	11.99	1.06
2A	6.37	12.48	14.07	1.13	16.83	21.4	1.27
2B	6.37	19.63	22.99	1.17	14.36	16.78	1.17
3A	4.89	12.83	13.93	1.09	12.22	13.83	1.13
3B	4.69	9.61	10.61	1.1	15.11	18.3	1.21
4A	6.51	12.1	12.81	1.06	13.72	14.88	1.08
4B	6.55	13.16	14.26	1.08	17.81	20.81	1.17
5A	3.67	10.04	11.03	1.1	9.5	10.76	1.13
5B	3.65	8.65	9.53	1.1	8.47	9.27	1.09
6A	1.03	2.2	2.59	1.18	2.56	3.1	1.21
6B	1.03	2.09	2.53	1.21	2.4	3.04	1.26
7A	0.97	5.55	6.38	1.15	7.14	9.5	1.33
7B	0.97	5.38	6.02	1.12	9.08	11.98	1.32
8A	5.77	14.39	16.61	1.15	13.07	15.04	1.15
8B	5.95	11	11.96	1.09	14.57	17.29	1.19
9A	5.21	8.15	8.79	1.08	13.63	16.24	1.19
9B	4.67	13.27	14.55	1.1	14.35	17.64	1.23
10A	3.99	16.45	18.98	1.15	10.76	12.8	1.19
10B	3.94	7.36	8.74	1.19	10.63	12.46	1.17
11A	4.78	9.6	10.84	1.13	8.27	10.13	1.23
11B	4.79	9.23	11.5	1.25	8.3	9.91	1.19
13A	2.83	7.33	8.01	1.09	8.81	10.17	1.15
13B	2.83	6.75	7.28	1.08	8.37	9.26	1.11
14A	3.20	7.61	8.64	1.14	6.87	7.79	1.13
14B	3.18	5.69	6.27	1.1	8.71	10.46	1.2
15A	1.66	4.3	4.77	1.11	4.97	5.72	1.15
15B	1.66	4.17	4.82	1.15	4.11	4.46	1.09
16A	8.86	9.22	9.62	1.04	9.04	9.53	1.05
16B	9.13	9.51	10.06	1.06	9.27	9.7	1.05
17A	9.70	15.32	18.44	1.2	12.13	12.84	1.06
17B	9.76	13.11	13.62	1.04	12.45	13.15	1.06
19A	4.14	8.11	10.29	1.27	5.04	5.23	1.04
19B	4.42	6.51	6.96	1.07	5.44	5.73	1.05
21A	6.12	12.61	14.03	1.11	11.83	13.28	1.12
21B	6.14	12.59	13.77	1.09	10.83	11.53	1.07
22A	2.74	7.16	8.58	1.2	9.32	11.37	1.22
22B	2.74	8.52	10.62	1.25	6.87	7.79	1.13
23A	5.82	7.13	7.59	1.06	9.7	12.47	1.29
23B	5.51	7.12	8.07	1.13	6.62	7.13	1.08
24A	8.64	11.03	11.53	1.05	11.27	12.65	1.12
24B	8.65	15.72	19.21	1.22	11.28	12.65	1.12
26A	2.90	3.71	4.05	1.09	3.79	4.35	1.15
26B	2.91	3.96	4.47	1.13	3.79	4.47	1.18
27A	6.99	15.55	17.67	1.14	15.93	16.52	1.04
27B	6.98	15.44	15.92	1.03	16.55	17.24	1.04
29A	3.22	6.15	7.25	1.18	5.71	6.14	1.07
29B	3.23	5.24	5.61	1.07	5.45	5.93	1.09
30A	4.85	13.91	14.89	1.07	14.27	15.63	1.1
30B	4.84	12.16	13.04	1.07	13.63	14.83	1.09

This page intentionally left blank

DRAFT

FF = Free Flow
TT = Travel Time
* Bi-directional

Corridor/ Segment	Road	To	From	TT, mm:ss (Avg) *	FF TT (sec)	Seconds	TT (Mean)	FF TT, mm:ss	Seconds	FF TT (5th percentile)	Std Dev [1]
12 / AM	17th/16th Street	Market St	College Rd	12:17	465	0.28	12.28	7:45	0.75	7.75	2.75
12 / PM	17th/16th Street	Market St	College Rd	12:41		0.68	12.68		0.75	7.75	3.00
18 / AM	NC 133/ River Rd	US17/74/76	Rabon Way	7:59	399	0.98	7.98	6:39	0.65	6.65	0.81
18 / PM	NC 133/ River Rd	US17/74/76	Rabon Way	7:35	391	0.58	7.58	6:31	0.52	6.52	0.65
22 / AM	Gordon Rd	I-40	Military Cutoff Rd	7:43	232	0.72	7.72	3:52	0.87	3.87	2.34
22 / PM	Gordon Rd	I-40	Military Cutoff Rd	7:02	225	0.03	7.03	3:45	0.75	3.75	2.00
25 / AM	Eastwood Rd/US 76/ Causeway Dr	Military Cutoff Rd	Lumina Ave	6:12	236	0.20	6.20	3:56	0.93	3.93	1.38
25 / PM	Eastwood Rd/US 76/ Causeway Dr	Military Cutoff Rd	Lumina Ave	6:09		0.15	6.15		0.93	3.93	1.35
28 / AM	Pine Grove Dr	College Rd	Masonboro Sound Rd	7:31	222	0.52	7.52	3:42	0.70	3.70	2.32
28 / PM	Pine Grove Dr	College Rd	Masonboro Sound Rd	6:43	207	0.72	6.72	3:27	0.45	3.45	1.99
20 / AM	3rd St/ US 74/US 421	Front St	Leland Causeway	7:18	207	0.30	7.30	6:27	6.45	6.45	0.52
20 / PM	3th St/ US 74/US 421	Front St	Leland Causeway	5:42	207	0.70	5.70	6:27	6.45	6.45	-0.46

[1] (sample-mean)/(Z score 5th)
[2] (mean)+(z score*std dev)
[3] calc std dev using free flow as 5th percentile

80th Percentile TT [2]	LOTTR Estimate (80/50)	Avg Delay, mm:ss *	Delay Minutes (decimal)	Segment Length (feet)	Segment Length (miles)	Delay Rate (mm:ss per mile)	Delay Rate	LOTTR [3]	Hot Spot Notes
14.60	1.19	4:33	4.55	29186	5.53	0:49	0.82	2.06	Wooster St (AM southbound only), Dawson St (northbound only), Shipyard Blvd, St. Andrews Dr (AM only), College Rd
15.21	1.20	4:54	4.91	29270	5.54	0:53	0.89	2.21	Dawson St (northbound only), Shipyard Blvd, College Rd
8.67	1.09	1:20	1.33	25716	4.87	0:16	0.27	0.68	US 74 EBRamp, US 74 WBRamp, Fairview Rd
8.13	1.07	1:04	1.07	25707	4.87	0:13	0.22	0.55	Fairview Rd
9.69	1.26	3:51	3.85	14547	2.76	1:23	1.40	3.49	Market St, White Rd, Harris Rd, N.College Rd; Eaton Elementary school related congestion
8.71	1.24	3:17	3.28	14529	2.75	1:11	1.19	2.98	Market St, White Rd
7.36	1.19	2:16	2.27	12949	2.45	0:55	0.92	2.31	Military Cutoff Rd
7.28	1.18	2:13	2.22	12938	2.45	0:54	0.90	2.26	Military Cutoff Rd
9.47	1.26	3:49	3.82	13134	2.49	1:32	1.53	3.84	Hewlett's Creek Bridge, Beasley Rd, Long Leaf Hills Dr, Oleander Dr, College Rd; Public School related traffic and two dozen or so school bus stops along this route that significantly contribute to the congestion
8.39	1.25	3:15	3.25	13132	2.49	1:18	1.31	3.27	Holly Tree Rd, Long Leaf Hills Dr, Oleander Dr, College Rd
7.74	1.06	0:51	14356	2.72	0:18		T-Bridge signal (northbound only), US 421 signal (westbound only)		
5.32	1.05	0:45	14356	2.72	0:16				

DRAFT

Travel Time Reliability

CRASHES ON ROADWAY

#	SEGMENT NAME	FROM	TO	CRASHES/ MILE	SCORE
1	Market Street	3rd Street	College Road	157.69	10
2	Market Street	College Road	NC140	157.30	10
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	69.73	5
4	Oleander Drive/ Military Cutoff Road	Treadwell Street	Gordon Road	60.22	5
5	Shipyard Blvd	River Road	College Road	62.94	5
6	Front Street	W Lake Shore Drive	Cape Fear Memorial Bridge	123.30	8
7	3rd Street	W Lake Shore Drive	Wooster Street	171.13	10
8	Carolina Beach Road	W Lake Shore Drive	College Road	100.00	7
9	College Road	Gordon Road	Wilshire Blvd	156.05	10
10	College Road	Wilshire Blvd	Pinecliff Drive	137.34	9
11	College Road/ Carolina Beach Road	Pinecliff Drive	Sanders Road	73.43	6
12	17th/16th Street	Market Street	College Road	52.80	4
13	Kerr Avenue	MLK Jr Pkwy	N/A	124.03	8
14	MLK Jr Pkwy/Eastwood Road	College Road	Military Cutoff Road	73.75	6
15	Randall Pkwy	Covil Ave/ Independence Blvd	College Road	87.35	6
16	US74/76	Maco Road	US17/Ocean Hwy	23.02	2
17	US17/Ocean Hwy	Lanvale Road	Cape Fear Memorial Bridge	23.20	2
18	NC133/ River Road	US17/74/76	Rabon Way	16.63	1
19	US17/74/76	NC133 Split	5th Avenue	5.31	1
20	US421/NC133	US74 Split	3rd Street	48.75	4
21	US117/College Road	Holly Shelter Road	Gordon Road	44.12	3
22	Gordon Road	I-40	Military Cutoff Road	81.02	6
23	US17/Market Street	NC140	Washington Acres Rd	34.19	3
24	US17/NC210	Washington Acres Rd	Sloop Point Road	51.39	4
25	Eastwood Road/US76/ Causeway Drive	Military Cutoff Road	Lumina Avenue	52.65	4
26	US421/Carolina Beach Road	Sanders Road	Snow's Cut Bridge	79.31	6
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	12.02	1
28	Pine Grove Drive	College Road	Masonboro Sound Rd	42.17	3
29	Village Road	US17/74/76	Town Hall Drive	20.81	2
30	Independence Blvd	US421	Market Street	48.04	4

CRASHES ON ROADWAY SCORING

CRASHES/ MILE	SCORE
171.13 - 151.51	10
151.50 - 131.88	9
131.87 - 112.25	8
112.24 - 92.62	7
92.61 - 72.99	6
72.98 - 59.45	5
59.44 - 45.92	4
45.91 - 32.38	3
32.37 - 18.85	2
18.84 - 5.31	1

WORST

BEST

WORST ROADWAY SEGMENTS IN TERMS OF CRASHES ON ROADWAY

- Segment 1: MARKET STREET from 3rd Street to College Road
- Segment 2: MARKET STREET from College Road to NC140
- Segment 7: 3RD STREET from W Lake Shore Drive to Wooster Street
- Segment 9: COLLEGE ROAD from Gordon Road to Wilshire Blvd

BEST ROADWAY SEGMENTS IN TERMS OF CRASHES ON ROADWAY

- Segment 18: NC133/RIVER ROAD from US17/74/76 to Rabon Way
- Segment 19: US17/74/76 from NC133 Split to 5th Avenue
- Segment 27: US421/LAKE PARK BLVD from Snow's Cut Bridge to End of US421

DATA

The following pages contain the data used to calculate the Crashes on Roadway for each roadway segment.

#	Road	To	From	# Crashes	Length (miles)	Crashes/ Mile
1	MARKET STREET	3RD STREET	COLLEGE ROAD	697	4.42	157.69
2	MARKET STREET	COLLEGE RD	NC 140	1002	6.37	157.30
3	OLEANDER DRIVE	CAPE FEAR MEMORIAL BRIDGE	TREADWELL STREET	341	4.89	69.73
4	OLEANDER DR/MILITARY CUTOFF RD	TREADWELL ST	GORDON ROAD	392	6.51	60.22
5	SHIPYARD BLVD	RIVER ROAD	COLLEGE ROAD	231	3.67	62.94
6	FRONT STREET	W LAKE SHORE	CAPE FEAR MEMORIAL BRIDGE	127	1.03	123.30
7	3RD STREET	W LAKE SHORE	WOOSTER STREET	166	0.97	171.13
8	CAROLINA BEACH ROAD	W LAKE SHORE	COLLEGE ROAD	577	5.77	100.00
9	COLLEGE ROAD	GORDON ROAD	WILSHIRE BLVD	813	5.21	156.05
10	COLLEGE ROAD	WILSHIRE BLVD	PINECLIFF DRIVE	548	3.99	137.34
11	COLLEGE ROAD/CAROLINA BEACH RD	PINECLIFF DRIVE	SANDERS	351	4.78	73.43
12	17TH/16TH STREET	MARKET ST	COLLEGE ROAD	292	5.53	52.80
13	KERR AVENUE	MLK JR. PARKWAY	COLLEGE ROAD	351	2.83	124.03
14	MLK JR. PARKWAY/EASTWOOD ROAD	COLLEGE RD	MILITARY CUTOFF RD	236	3.2	73.75
15	RANDALL PARKWAY	COVIL AVE / INDEPENDENCE BLVD	COLLEGE ROAD	145	1.66	87.35
16	US 74/76	MACO RD	US 17/ OCEAN HWY	204	8.86	23.02
17	US 17/OCEAN HIGHWAY	LANVALE RD	CAPE FEAR MEMORIAL BRIDGE	225	9.7	23.20
18	NC 133/ RIVER ROAD	US 17/74/76	RABON WAY	81	4.87	16.63
19	US 17/74/76	NC 133 SPLIT	5TH AVE	22	4.14	5.31
20	US 421/NC 133	US 74 SPLIT	3RD ST	78	1.6	48.75
21	US 117/COLLEGE ROAD	HOLLY SHELTER RD	GORDON RD	270	6.12	44.12
22	GORDON ROAD	I-40	MILITARY CUTOFF RD	222	2.74	81.02
23	US 17/MARKET STREET	NC-140	WASHINGTON ACRES	199	5.82	34.19
24	US 17/NC 210	WASHINGTON ACRES RD	SLOOP POINT RD	444	8.64	51.39
25	EASTWOOD ROAD/US 76/CAUSEWAY DR	MILITARY CUTOFF RD	LUMINA AVE	129	2.45	52.65
26	US 421/CAROLINA BEACH ROAD	SANDERS RD	SNOW'S CUT BRIDGE	230	2.9	79.31
27	US 421/LAKE PARK BLVD	SNOW'S CUT BRIDGE	END OF US 421	84	6.99	12.02
28	PINE GROVE DRIVE	COLLEGE RD	MASONBORO SOUND RD	105	2.49	42.17
29	VILLAGE ROAD	US 17/74/76	TOWN HALL DR	67	3.22	20.81
30	INDEPENDENCE BLVD	US 421	MARKET ST	233	4.85	48.04

DRAFT

This page intentionally left blank

PERFORMANCE METRICS: SCORING AND DATA

DRAFT

Travel Time Reliability

TRUCK VOLUME

#	SEGMENT NAME	FROM	TO	TRUCK VOLUME (AADT)	SCORE
1	Market Street	3rd Street	College Road	690	3
2	Market Street	College Road	NC140	1305	6
3	Oleander Drive	Cape Fear Memorial Bridge	College Road	837	4
4	Oleander Drive/Military Cutoff Road	College Road	Gordon Road	1098	5
5	Shipyard Blvd	River Road	College Road	1149	5
6	Front Street	3rd Street	Cape Fear Memorial Bridge	2770	9
7	3rd Street	River Road	Wooster Street	688	3
8	Carolina Beach Road	3rd Street	College Road	1714	7
9	College Road	Gordon Road	Wrightsville Avenue	1614	6
10	College Road	Wrightsville Avenue	Mohican Trail	1132	5
11	College Road	Mohican Trail	Myrtle Grove Road	1267	6
12	17th/16th Street	Market Street	College Road	305	2
13	Kerr Avenue	MLK Jr Pkwy	College Road	0	1
14	MLK Jr Pkwy/Eastwood Road	College Road	Military Cutoff Road	936	4
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	0	1
16	US74	Maco Road	US17/Ocean Hwy	2503	8
17	US17	I-140	3rd Street	3393	10
18	NC133/River Road	US17/74/76	Rabon Way	893	4
19	US17/US74/US76	NC133	3rd Street	2773	9
20	US421/NC133	US74 split	3rd Street	2540	9
21	US117/College Road	Holly Shelter Road	Gordon Road	910	4
22	Gordon Road	I-40	Military Cutoff Road	0	1
23	US17	NC140	NC210 (South)	1855	7
24	US17	NC 210 (South)	NC210 (North)	2300	8
25	Eastwood Road/US76/ Causeway Drive	Military Cutoff Road	Lumina Avenue	624	3
26	US421/Carolina Beach Road	Myrtle Grove Road	Dow Road	1320	6
27	US421/Lake Park Blvd	Dow Road	End of US421	616	3
28	Pine Grove Drive	College Road	Masonboro Sound Rd	0	1
29	Village Road	US17/74/76	Old Mill Road	0	1
30	Independence Blvd	US421	Market Street	0	1

TRUCK VOLUME SCORING

TRUCK VOLUME (AADT)	SCORE
3393.00 - 2949.28	10
2949.27 - 2505.56	9
2505.55 - 2061.84	8
2061.83 - 1618.12	7
1618.11 - 1174.40	6
1174.39 - 939.52	5
939.51 - 704.64	4
704.63 - 469.76	3
469.75 - 234.88	2
243.87 - 0.00	1

WORST

BEST

WORST ROADWAY SEGMENTS IN TERMS OF TRUCK VOLUME

- Segment 17: US17 from I-140 to 3rd Street

BEST ROADWAY SEGMENTS IN TERMS OF TRUCK VOLUME

- Segment 13: KERR AVENUE from MLK Jr Pkwy to College Road
- Segment 15: RANDALL PKWY from Covil Avenue/Independence Blvd to College Road
- Segment 22: GORDON ROAD from I-40 to Military Cutoff Road
- Segment 28: PINE GROVE DRIVE from College Road to Masonboro Sound Road
- Segment 29: VILLAGE ROAD from US17/74/76 to Old Mill Road
- Segment 30: INDEPENDENCE BLVD from US421 to Market Street

DATA

The following pages contain the data used to calculate the Truck Volume for each roadway segment.

RouteID	BeginMp	EndMp	AADT 2018	SU PCT	MU PCT	PCT Combine	SU AADTT	MU AADTT	AADTT 2018	Source	#	Summary	
29000017065	2.56800000000	3.03040000000	25500	0.026	0.004	0.030	670	92	762	Maint	1		
29000017065	4.03900000000	4.66600000000	35000	0.026	0.004	0.030	920	130	1050	Maint	1		
29000017065	2.10819000000	2.39000000000	21000	0.026	0.004	0.030	560	77	637	Maint	1		
29000017065	4.66600000000	5.15600000000	28500	0.026	0.004	0.030	750	100	850	Maint	1		
29000017065	3.68700000000	3.95400000000	32500	0.026	0.004	0.030	850	120	970	Maint	1		
29000017065	1.77800000000	1.85300000000	18000	0.026	0.004	0.030	470	65	535	Maint	1		
29000017065	3.95400000000	4.03900000000	37000	0.026	0.004	0.030	970	140	1110	Maint	1		
29000017065	1.55161000000	1.77800000000	10500	0.026	0.004	0.030	280	39	319	Maint	1		
29000017065	3.11658000000	3.19390000000	27000	0.026	0.004	0.030	710	97	807	Maint	1		
29000017065	1.85300000000	2.10819000000	20500	0.026	0.004	0.030	540	75	615	Maint	1		
29000017065	2.39000000000	2.56800000000	25500	0.026	0.004	0.030	670	93	763	Maint	1		
29000017065	1.32675000000	1.55161000000	10000	0.026	0.004	0.030	270	37	307	Maint	1		
29000017065	1.17698000000	1.32675000000	9400	0.026	0.004	0.030	250	34	284	Maint	1		
29000017065	3.03040000000	3.11658000000	26500	0.026	0.004	0.030	700	97	797	Maint	1		
29000017065	0.78900000000	1.17698000000	9200	0.026	0.004	0.030	240	33	273	Maint	1	Average %	0.030
29000017065	3.19390000000	3.68700000000	32000	0.026	0.004	0.030	840	120	960	Maint	1	Average AADTT	690
29000017065	6.02056000000	7.04312000000	40000	0.032	0.014	0.045	1280	560	1840	Maint	2		
29000017065	5.36571000000	5.58300000000	37500	0.037	0.012	0.050	1410	470	1880	Maint	2		
29000017065	5.15600000000	5.36571000000	36500	0.037	0.012	0.050	1380	460	1840	Maint	2		
29000017065	5.58300000000	6.02056000000	40000	0.032	0.014	0.045	1270	550	1820	Maint	2		
29000017065	7.04312000000	7.82800000000	33500	0.032	0.014	0.045	1060	470	1530	Maint	2		
29000017065	7.82800000000	8.10900000000	31500	0.032	0.014	0.045	990	440	1430	Maint	2		
20000017065	12.48705000000	14.95654000000	42000	0.013	0.002	0.015	530	94	624	Maint	2		
20000017065	11.91176000000	12.30255000000	45500	0.013	0.002	0.015	580	100	680	Maint	2		
20000017065	11.21855000000	11.91176000000	50000	0.013	0.002	0.015	640	110	750	Maint	2	Average %	0.034
20000017065	12.30255000000	12.48705000000	44000	0.013	0.002	0.015	560	99	659	Maint	2	Average AADTT	1305
20000017065	0.82594000000	1.13597000000	14000	0.025	0.009	0.034	360	130	490	Maint	3		
20000017065	4.43648000000	4.59914000000	23000	0.025	0.009	0.034	590	200	790	Maint	3		
20000017065	2.26790000000	2.87981000000	24000	0.027	0.013	0.040	650	320	970	Maint	3		
20000017065	3.52365000000	3.79396000000	29000	0.027	0.013	0.040	790	380	1170	Maint	3		

DRAFT

Zeros are from ramps and/or bridges - calculations exclude zeros

RouteID	BeginMp	EndMp	AADT 2018	SU PCT	MU PCT	PCT Combine	SU AADTT	MU AADTT	AADTT 2018	Source	#	Summary	
20000017065	3.79396000000	4.43648000000	25000	0.027	0.013	0.040	690	330	1020	Maint	3		
20000017065	1.58620000000	1.81172000000	22000	0.025	0.009	0.034	550	200	750	Maint	3		
20000017065	3.06240000000	3.15449000000	24500	0.027	0.013	0.040	680	330	1010	Maint	3		
20000017065	1.13597000000	1.43611000000	17000	0.025	0.009	0.034	430	160	590	Maint	3		
20000017065	2.00930000000	2.26790000000	23500	0.027	0.013	0.040	640	310	950	Maint	3		
20000017065	2.87981000000	3.06240000000	24500	0.027	0.013	0.040	680	330	1010	Maint	3		
20000017065	1.81172000000	1.88667000000	17000	0.025	0.009	0.034	430	160	590	Maint	3		
20000017065	1.88667000000	2.00930000000	24500	0.025	0.009	0.034	620	230	850	Maint	3		
20000017065	1.43611000000	1.58620000000	18000	0.025	0.009	0.034	460	170	630	Maint	3		
20000017065	4.59914000000	4.74605000000	28000	0.025	0.009	0.034	710	240	950	Maint	3	Average %	0.037
20000017065	3.15449000000	3.52365000000	25500	0.027	0.013	0.040	700	340	1040	Maint	3	Average AADTT	837
20000017065	4.74605000000	5.09035000000	32000	0.025	0.009	0.034	810	280	1090	Maint	4		
20000017065	7.99632000000	8.60334000000	38500	0.025	0.009	0.034	990	340	1330	Maint	4		
20000017065	5.09035000000	6.40566000000	29500	0.025	0.009	0.034	760	260	1020	Maint	4		
20000017065	7.43562000000	7.99632000000	35000	0.025	0.009	0.034	890	300	1190	Maint	4		
20000017065	7.31671000000	7.43562000000	35000	0.025	0.009	0.034	890	300	1190	Maint	4		
20000017065	8.60334000000	9.36442000000	42500	0.022	0.007	0.029	930	290	1220	Maint	4		
20000017065	6.40566000000	7.31671000000	27500	0.025	0.009	0.034	700	240	940	Maint	4	Average %	0.033
20000017065	9.36442000000	10.90716000000	28000	0.022	0.007	0.029	610	190	800	Maint	4	Average AADTT	1098
20000117065	1.65400000000	1.99270000000	23000	0.027	0.011	0.038	630	270	900	Maint	5		
20000117065	3.16170000000	3.59500000000	19500	0.027	0.011	0.038	530	230	760	Maint	5		
20000117065	0.81800000000	1.65400000000	17000	0.027	0.011	0.038	460	200	660	Maint	5		
20000117065	0.44120000000	0.81800000000	12500	0.064	0.099	0.163	810	1260	2070	Maint	5		
20000117065	2.30800000000	3.16170000000	23500	0.027	0.011	0.038	640	270	910	Maint	5		
20000117065	0.11050000000	0.44120000000	9300	0.064	0.099	0.163	600	930	1530	Maint	5		
20000117065	1.99270000000	2.30800000000	24000	0.027	0.011	0.038	650	280	930	Maint	5	Average %	0.085
20000117065	0.00000000000	0.11050000000	8700	0.064	0.099	0.163	560	870	1430	Maint	5	Average AADTT	1149
28000421065	0.67502900000	0.99000000000	25500	0.042	0.080	0.122	1080	2040	3120	Maint	6		
80004659065	0.00000000000	0.28300000000	8600	0.000	0.000	0.000	0	0	0	Maint	6	Average % (no 0)	0.122

Zeros are from ramps and/or bridges - calculations exclude zeros

RouteID	BeginMp	EndMp	AADT 2018	SU PCT	MU PCT	PCT Combine	SU AADTT	MU AADTT	AADTT 2018	Source	#	Summary	
80004661065	0.00000000000	0.16500000000	9100	0.000	0.000	0.000	0	0	0	Maint	6	Average AADTT (no 0)	2770
28000421065	0.32490000000	0.67502900000	23500	0.042	0.080	0.122	980	1850	2830	Maint	6	Average %	0.073
28000421065	0.00000000000	0.32490000000	19500	0.042	0.080	0.122	820	1540	2360	Maint	6	Average AADTT	1662
20000421065	20.28670000000	20.53000000000	17500	0.028	0.009	0.036	490	150	640	Maint	7		
20000421065	19.99810000000	20.28670000000	17000	0.028	0.009	0.036	470	150	620	Maint	7		
20000421065	20.53000000000	20.61700000000	17500	0.028	0.009	0.036	490	160	650	Maint	7	Average %	0.036
20000421065	19.64120000000	19.99810000000	23000	0.028	0.009	0.036	640	200	840	Maint	7	Average AADTT	688
20000421065	18.09440000000	18.29020000000	36000	0.042	0.038	0.080	1520	1390	2910	Maint	8		
20000421065	18.98100000000	19.30980000000	30500	0.042	0.038	0.080	1290	1180	2470	Maint	8		
20000421065	17.20260000000	17.66590000000	26000	0.028	0.008	0.036	730	200	930	Maint	8		
20000421065	15.43280000000	16.34790000000	29500	0.028	0.008	0.036	830	220	1050	Maint	8		
20000421065	19.30980000000	19.64120000000	30500	0.042	0.038	0.080	1280	1170	2450	Maint	8		
20000421065	13.81970000000	15.43280000000	30500	0.028	0.008	0.036	870	230	1100	Maint	8		
20000421065	16.34790000000	16.91980000000	29500	0.028	0.008	0.036	830	220	1050	Maint	8		
20000421065	17.66590000000	18.09440000000	26500	0.028	0.008	0.036	750	200	950	Maint	8		
20000421065	16.91980000000	17.20260000000	26000	0.028	0.008	0.036	730	200	930	Maint	8		
20000421065	18.66560000000	18.98100000000	30000	0.042	0.038	0.080	1260	1150	2410	Maint	8	Average %	0.056
20000421065	18.29020000000	18.66560000000	32500	0.042	0.038	0.080	1360	1240	2600	Maint	8	Average AADTT	1714
20000117065	4.49200000000	5.11760000000	40500	0.017	0.005	0.023	710	210	920	Maint	9		
20000117065	5.76780000000	6.23280000000	55000	0.017	0.005	0.023	970	290	1260	Maint	9		
20000117065	5.11760000000	5.76780000000	56000	0.017	0.005	0.023	990	290	1280	Maint	9		
20000117065	6.91300000000	7.53200000000	38500	0.032	0.017	0.049	1260	660	1920	Maint	9		
20000117065	8.12660000000	9.10100000000	56500	0.031	0.016	0.048	1610	830	2440	Maint	9		
20000117065	7.53200000000	8.12660000000	45500	0.031	0.016	0.048	1440	740	2180	Maint	9	Average %	0.033
20000117065	6.23280000000	6.91300000000	57000	0.017	0.005	0.023	1000	300	1300	Maint	9	Average AADTT	1614
30000132065	1.16100000000	2.45590000000	40000	0.024	0.007	0.031	980	280	1260	Maint	10		
20000117065	4.49200000000	5.11760000000	40500	0.017	0.005	0.023	710	210	920	Maint	10		
30000132065	3.24350000000	3.77510000000	41500	0.024	0.007	0.031	1010	290	1300	Maint	10		
30000132065	3.77510000000	4.23200000000	35500	0.024	0.007	0.031	870	250	1120	Maint	10		

DRAFT

No truck traffic

RouteID	BeginMp	EndMp	AADT 2018	SU PCT	MU PCT	PCT Combine	SU AADTT	MU AADTT	AADTT 2018	Source	#	Summary	
30000132065	2.45590000000	3.24350000000	38500	0.024	0.007	0.031	940	270	1210	Maint	10		
20000117065	4.36800000000	4.49200000000	39000	0.017	0.005	0.023	680	200	880	Maint	10		
20000117065	4.22400000000	4.36800000000	38000	0.017	0.005	0.023	670	200	870	Maint	10		
20000117065	3.97080000000	4.22400000000	42000	0.025	0.006	0.030	1050	230	1280	Maint	10	Average %	0.028
20000117065	3.59500000000	3.97080000000	44000	0.025	0.006	0.030	1100	250	1350	Maint	10	Average AADTT	1132
30000132065	1.16100000000	2.45590000000	40000	0.024	0.007	0.031	980	280	1260	Maint	11		
30000132065	0.00000000000	1.16100000000	33000	0.024	0.007	0.031	800	230	1030	Maint	11	Average %	0.032
20000421065	12.79200000000	13.81970000000	42000	0.027	0.009	0.035	1140	370	1510	Maint	11	Average AADTT	1267
50000906065	0.00000000000	0.46080000000	21000	0.000	0.000	0.000	0	0	0	Maint	12		
50000906065	1.25790000000	1.76880000000	21500	0.000	0.000	0.000	0	0	0	Maint	12		
50000906065	1.76880000000	2.11610000000	15000	0.000	0.000	0.000	0	0	0	Maint	12		
50000906065	0.46080000000	1.25790000000	20500	0.000	0.000	0.000	0	0	0	Maint	12		
50000906065	2.11610000000	2.43600000000	18500	0.000	0.000	0.000	0	0	0	Maint	12		
40001216065	1.54091000000	2.21253000000	19000	0.000	0.000	0.000	0	0	0	Maint	12		
40001216065	0.74948000000	0.92453000000	14000	0.000	0.000	0.000	0	0	0	Maint	12		
40001216065	0.92453000000	1.01453000000	15500	0.000	0.000	0.000	0	0	0	Maint	12		
40001216065	1.01453000000	1.54091000000	18500	0.000	0.000	0.000	0	0	0	Maint	12		
40001217065	1.07700000000	2.27600000000	21500	0.000	0.000	0.000	0	0	0	Maint	12		
40001216065	2.86899000000	3.29053000000	30000	0.000	0.000	0.000	0	0	0	Maint	12		
40001216065	0.23153000000	0.74948000000	13500	0.000	0.000	0.000	0	0	0	Maint	12		
40001217065	2.27600000000	2.36300000000	15500	0.000	0.000	0.000	0	0	0	Maint	12		
40001217065	2.53722000000	2.77364000000	11500	0.017	0.005	0.022	190	59	249	Maint	12		
40001217065	2.45004000000	2.53722000000	16000	0.017	0.005	0.022	270	83	353	Maint	12	Average % (no 0)	0.022
40001217065	2.36300000000	2.45004000000	14000	0.017	0.005	0.022	230	72	302	Maint	12	Average AADTT (no 0)	305
40001217065	2.77364000000	2.88855000000	14500	0.017	0.005	0.022	240	75	315	Maint	12	Average %	0.005
40001216065	2.21253000000	2.86899000000	31500	0.000	0.000	0.000	0	0	0	Maint	12	Average AADTT	68
40001175065	2.17500000000	2.94320000000	21000	0.000	0.000	0.000	0	0	0	Maint	13		
40001175065	0.18900000000	1.42130000000	13500	0.000	0.000	0.000	0	0	0	Maint	13		

Zeros are from ramps and/or bridges - calculations exclude zeros

No truck traffic

RouteID	BeginMp	EndMp	AADT 2018	SU PCT	MU PCT	PCT Combine	SU AADTT	MU AADTT	AADTT 2018	Source	#	Summary	
40001175065	0.00000000000	0.18900000000	7800	0.000	0.000	0.000	0	0	0	Maint	13		
40001175065	1.79630000000	2.17500000000	24000	0.000	0.000	0.000	0	0	0	Maint	13	Average %	0.000
40001175065	1.42130000000	1.79630000000	23000	0.000	0.000	0.000	0	0	0	Maint	13	Average AADTT	0
20000074065	6.44800000000	7.14700000000	26500	0.033	0.006	0.039	880	160	1040	Maint	14		
20000074065	8.94130000000	9.60600000000	23000	0.024	0.007	0.031	560	170	730	Maint	14		
20000074065	8.02340000000	8.94130000000	34000	0.024	0.007	0.031	820	240	1060	Maint	14		
20000074065	7.54790000000	8.02340000000	33500	0.024	0.007	0.031	810	240	1050	Maint	14	Average %	0.033
20000074065	7.14700000000	7.54790000000	25500	0.024	0.007	0.031	620	180	800	Maint	14	Average AADTT	936
50000913065	0.74500000000	0.99900000000	24000	0.000	0.000	0.000	0	0	0	Maint	15		
50000913065	0.36170000000	0.74500000000	21500	0.000	0.000	0.000	0	0	0	Maint	15	Average %	0.000
50000913065	0.99900000000	2.03600000000	18500	0.000	0.000	0.000	0	0	0	Maint	15	Average AADTT	0
20000074010	3.55500000000	5.18970000000	26000	0.044	0.055	0.099	890	1120	2010	Maint	16		
20000074010	5.18970000000	8.27700000000	21000	0.044	0.055	0.099	920	1160	2080	Maint	16		
20000074010	8.76410000000	12.16400000000	29500	0.044	0.055	0.099	1300	1640	2940	Maint	16	Average %	0.099
20000074010	8.27700000000	8.76410000000	30000	0.044	0.055	0.099	1320	1660	2980	Maint	16	Average AADTT	2503
20000017010	44.80616700000	46.64017000000	71500	0.036	0.035	0.072	2630	2540	5170	Maint	17		
20000017010	46.64017000000	47.37117000000	38000	0.044	0.041	0.084	1380	1280	2660	Maint	17		
20000017065	0.00000000000	0.82594000000	14000	0.000	0.000	0.000	0	0	0	Maint	17		
20000017010	43.28256000000	44.00016700000	50000	0.040	0.019	0.059	2010	980	2990	Maint	17		
20000017010	40.87500000000	42.37810000000	45500	0.040	0.019	0.059	1670	810	2480	Maint	17	Average % (no 0)	0.065
80000459010	0.00000000000	0.56300000000	29000	0.000	0.000	0.000	0	0	0	Maint	17	Average AADTT (no 0)	3393
20000017010	44.00016700000	44.80616700000	79000	0.028	0.027	0.055	2260	2120	4380	Maint	17	Average %	0.049
20000017010	42.37810000000	43.28256000000	44500	0.040	0.019	0.059	1800	880	2680	Maint	17	Average AADTT	2545
30000133010	21.48500000000	24.76430000000	6900	0.050	0.021	0.070	300	120	420	Maint	18		
30000133010	24.76430000000	26.69730000000	14500	0.050	0.021	0.070	730	300	1030	Maint	18	Average %	0.070
30000133010	26.69730000000	27.39300000000	17500	0.050	0.021	0.070	870	360	1230	Maint	18	Average AADTT	893
20000017010	44.80616700000	46.64017000000	71500	0.036	0.035	0.072	2630	2540	5170	Maint	19	Average % (no 0)	0.063

DRAFT

Zeros are from ramps and/or bridges - calculations exclude zeros

No truck traffic

RouteID	BeginMp	EndMp	AADT 2018	SU PCT	MU PCT	PCT Combine	SU AADTT	MU AADTT	AADTT 2018	Source	#	Summary	
20000017010	46.64017000000	47.37117000000	38000	0.044	0.041	0.084	1380	1280	2660	Maint	19	Average AADTT (no 0)	2773
20000017065	0.00000000000	0.82594000000	14000	0.000	0.000	0.000	0	0	0	Maint	19	Average %	0.047
20000017065	0.82594000000	1.13597000000	14000	0.025	0.009	0.034	360	130	490	Maint	19	Average AADTT	2080
80005707065	0.10435000000	0.18500000000	8000	0.000	0.000	0.000	0	0	0	Maint	20		
80005838065	0.08100000000	0.24300000000	4000	0.000	0.000	0.000	0	0	0	Maint	20	Average % (no 0)	0.074
20000074065	1.10500000000	1.52800000000	26500	0.036	0.019	0.055	960	520	1480	Maint	20	Average AADTT (no 0)	2540
20000074010	15.53500000000	15.70287000000	36000	0.044	0.041	0.084	1590	1480	3070	Maint	20	Average %	0.045
20000074065	0.94000000000	1.10500000000	36000	0.044	0.041	0.084	1590	1480	3070	Maint	20	Average AADTT	1524
20000117065	9.99900000000	11.02610000000	23000	0.046	0.012	0.058	1070	270	1340	Maint	21		
20000117065	9.13400000000	9.99900000000	22500	0.046	0.012	0.058	1050	260	1310	Maint	21		
20000117065	14.54930000000	14.88700000000	16000	0.046	0.013	0.059	740	210	950	Maint	21		
20000117065	11.02610000000	12.41300000000	11500	0.046	0.012	0.058	540	140	680	Maint	21		
20000117065	12.41300000000	14.23200000000	9300	0.046	0.012	0.058	430	110	540	Maint	21	Average %	0.058
20000117065	14.23200000000	14.54930000000	11000	0.046	0.012	0.058	510	130	640	Maint	21	Average AADTT	910
40002048065	3.35130000000	3.54600000000	10500	0.000	0.000	0.000	0	0	0	Maint	22		
40002048065	2.14400000000	3.35130000000	24000	0.000	0.000	0.000	0	0	0	Maint	22	Average %	0.000
40002048065	0.85800000000	2.14400000000	23000	0.000	0.000	0.000	0	0	0	Maint	22	Average AADTT	0
20000017071	1.65880000000	3.82100000000	47000	0.035	0.013	0.048	1460	520	1980	Maint	23		
20000017071	0.00000000000	0.22500000000	38500	0.035	0.013	0.048	1370	490	1860	Maint	23	Average % (no 0)	0.048
30000140065	13.84333000000	14.40500000000	8800	0.000	0.000	0.000	0	0	0	Maint	23	Average AADTT (no 0)	1855
20000017071	0.22500000000	1.65880000000	44000	0.035	0.013	0.048	1270	450	1720	Maint	23	Average %	0.038
20000017065	14.95654000000	16.17754000000	38500	0.035	0.013	0.048	1370	490	1860	Maint	23	Average AADTT	1484
20000017071	7.91300000000	10.19300000000	38000	0.043	0.016	0.059	1450	560	2010	Maint	24		
20000017071	6.07300000000	7.91300000000	44500	0.043	0.016	0.059	1690	650	2340	Maint	24		
20000017071	5.03300000000	6.07300000000	49000	0.043	0.016	0.059	2050	790	2840	Maint	24		
20000017071	3.82100000000	4.59300000000	43000	0.035	0.013	0.048	1290	460	1750	Maint	24	Average %	0.057

No truck traffic

RouteID	BeginMp	EndMp	AADT 2018	SU PCT	MU PCT	PCT Combine	SU AADTT	MU AADTT	AADTT 2018	Source	#	Summary	
20000017071	4.59300000000	5.03300000000	48500	0.043	0.016	0.059	1850	710	2560	Maint	24	Average AADTT	2300
20000074065	10.03650000000	10.49400000000	16500	0.025	0.010	0.035	410	160	570	Maint	25		
20000076065	9.99600000000	10.58380000000	22500	0.020	0.005	0.025	470	110	580	Maint	25		
20000074065	10.49400000000	10.99800000000	21000	0.025	0.010	0.035	530	210	740	Maint	25		
20000076065	10.58380000000	10.94700000000	18000	0.020	0.005	0.025	380	90	470	Maint	25	Average %	0.031
20000074065	9.60600000000	10.03650000000	21500	0.025	0.010	0.035	550	210	760	Maint	25	Average AADTT	624
20000421065	7.56870000000	8.49500000000	30500	0.027	0.009	0.035	820	270	1090	Maint	26		
20000421065	8.49500000000	10.21200000000	34500	0.027	0.009	0.035	930	300	1230	Maint	26		
20000421065	12.10410000000	12.79200000000	46000	0.027	0.009	0.035	1240	400	1640	Maint	26		
20000421065	10.90610000000	12.10410000000	42500	0.027	0.009	0.035	1140	370	1510	Maint	26	Average %	0.035
20000421065	10.21200000000	10.90610000000	31500	0.027	0.009	0.035	850	280	1130	Maint	26	Average AADTT	1320
20000421065	7.56870000000	8.49500000000	30500	0.027	0.009	0.035	820	270	1090	Maint	27		
20000421065	4.48370000000	5.95940000000	7400	0.027	0.009	0.035	200	64	264	Maint	27		
20000421065	6.49830000000	7.31800000000	22500	0.027	0.009	0.035	610	200	810	Maint	27		
20000421065	5.95940000000	6.49830000000	12500	0.027	0.009	0.035	340	110	450	Maint	27		
20000421065	0.00000000000	0.97930000000	1100	0.027	0.009	0.035	29	9	38	Maint	27		
20000421065	0.97930000000	2.19728900000	2100	0.027	0.009	0.035	56	18	74	Maint	27		
20000421065	2.19728900000	3.24790000000	4100	0.027	0.009	0.035	110	36	146	Maint	27		
20000421065	3.69600000000	4.48370000000	4100	0.027	0.009	0.035	110	36	146	Maint	27		
20000421065	3.24790000000	3.69600000000	5500	0.027	0.009	0.035	150	48	198	Maint	27	Average %	0.040
20000421065	0.00000000000	0.94000000000	34500	0.044	0.041	0.084	1520	1420	2940	Maint	27	Average AADTT	616
50000933065	1.25900000000	1.58290000000	22000	0.000	0.000	0.000	0	0	0	Maint	28		
50000928065	0.00000000000	0.90361000000	18000	0.000	0.000	0.000	0	0	0	Maint	28		
50000933065	0.34730000000	0.58580000000	19500	0.000	0.000	0.000	0	0	0	Maint	28	Average %	0.000
50000933065	0.58580000000	1.25900000000	12500	0.000	0.000	0.000	0	0	0	Maint	28	Average AADTT	0
40001472010	3.62440000000	4.01600000000	10500	0.000	0.000	0.000	0	0	0	Maint	29	Average %	0.000
40001472010	4.01600000000	4.66300000000	27500	0.000	0.000	0.000	0	0	0	Maint	29	Average AADTT	0
50000905065	1.24400000000	2.01850000000	16000	0.000	0.000	0.000	0	0	0	Maint	30		
40001209065	0.00000000000	0.76510000000	21500	0.000	0.000	0.000	0	0	0	Maint	30		
40001209065	2.09780000000	2.40000000000	30500	0.000	0.000	0.000	0	0	0	Maint	30		

DRAFT

No truck traffic

RouteID	BeginMp	EndMp	AADT 2018	SU PCT	MU PCT	PCT Combine	SU AADTT	MU AADTT	AADTT 2018	Source	#	Summary	
50000905065	2.49210000000	2.93500000000	17000	0.000	0.000	0.000	0	0	0	Maint	30		
50000915065	0.00000000000	0.74900000000	19000	0.000	0.000	0.000	0	0	0	Maint	30		
40001209065	0.76510000000	1.52500000000	23000	0.000	0.000	0.000	0	0	0	Maint	30		
40001209065	1.52500000000	2.09780000000	22000	0.000	0.000	0.000	0	0	0	Maint	30	Average %	0.000
50000905065	2.01850000000	2.49210000000	16000	0.000	0.000	0.000	0	0	0	Maint	30	Average AADTT	0

DRAFT

Multimodal

TRANSIT STOPS AND RIDERSHIP

#	SEGMENT NAME	FROM	TO	WAVE STOPS	TRANSIT STOP SCORE	RIDERSHIP TOTAL	RIDERSHIP SCORE	FINAL SCORE (AVG)
1	Market Street	3rd Street	College Road	31	10	356,087	9	10
2	Market Street	College Road	NC140	0	0	0	0	0
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	18	7	121,592	5	6
4	Oleander Drive/ Military Cutoff Rd	Treadwell Street	Gordon Road	15	6	59,232	3	5
5	Shipyard Blvd	River Road	College Road	16	7	264,899	8	8
6	Front Street	W Lake Shore Dr	Cape Fear Memorial Bridge	15	6	136,941	6	6
7	3rd Street	W Lake Shore Dr	Wooster Street	0	0	121,297	5	3
8	Carolina Beach Rd	W Lake Shore Dr	College Road	28	10	250,755	8	9
9	College Road	Gordon Road	Wilshire Blvd	12	6	429,761	10	8
10	College Road	Wilshire Blvd	Pinecliff Drive	8	4	143,380	6	5
11	College Road/ Carolina Beach Rd	Pinecliff Drive	Sanders Road	6	3	30,296	2	3
12	17th/16th Street	Market Street	College Road	30	10	142,160	6	8
13	Kerr Avenue	MLK Jr Pkwy	College Road	12	6	230,672	7	7
14	MLK Jr Pkwy/ Eastwood Road	College Road	Military Cutoff Rd	5	3	54,922	3	3
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	4	2	197,551	7	5
16	US74/76	Maco Road	US17/Ocean Hwy	0	0	18,499	1	1
17	US17/ Ocean Hwy	Lanvale Road	Cape Fear Memorial Bridge	0	0	18,499	1	1
18	NC133/River Rd	US17/74/76	Rabon Way	0	0	0	0	0
19	US17/74/76	NC133 Split	5th Avenue	0	0	18,499	1	1
20	US421/NC133	US74 split	3rd Street	0	0	0	0	0
21	US117/College Rd	Holly Shelter Rd	Gordon Road	7	4	85,929	4	4
22	Gordon Road	I-40	Military Cutoff Rd	8	4	54,922	3	4
23	US17/Market St	NC140	Washington Acres Rd	0	0	0	0	0
24	US17/NC210	Washington Acres Rd	Sloop Point Road	0	0	0	0	0
25	Eastwood Road/ US76/Causeway Dr	Military Cutoff Road	Lumina Avenue	1	1	54,922	3	2
26	US421/Carolina Beach Road	Sanders Road	Snow's Cut Bridge	6	3	8,508	1	2
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	3	2	8,508	1	2
28	Pine Grove Drive	College Road	Masonboro Sound Road	2	1	0	0	1
29	Village Road	US17/74/76	Town Hall Drive	4	2	18,499	1	2
30	Independence Blvd	US421	Market Street	12	6	257,134	8	7

TRANSIT STOPS AND RIDERSHIP SCORING

WAVE STOPS	SCORE
27.11 - 31.00	10
23.23 - 27.10	9
19.34 - 23.22	8
15.46 - 19.33	7
11.57 - 15.45	6
9.26 - 11.56	5
6.94 - 9.25	4
4.63 - 6.93	3
2.31 - 4.62	2
0.00 - 2.30	1
N/A (0)*	0

BEST

WORST

SCORE	RIDERSHIP
10	369,503.88 - 429,760.50
9	309,247.25 - 369,503.87
8	248,990.63 - 309,247.24
7	188,734.00 - 248,990.62
6	128,477.38 - 188,733.99
5	102,781.90 - 128,477.37
4	77,086.43 - 102,781.89
3	51,390.95 - 77,086.42
2	25,695.48 - 51,390.94
1	0.00 - 25,695.47
0	N/A (0)*

*No transit routes along roadway segment

BEST ROADWAY SEGMENTS IN TERMS OF TRANSIT STOPS AND RIDERSHIP

- Segment 1: MARKET STREET from 3rd Street to College Road

WORST ROADWAY SEGMENTS IN TERMS OF TRANSIT STOPS AND RIDERSHIP

- Segment 16: US74/76 from Maco Road to US17/Ocean Hwy
- Segment 17: US17/OCEAN HWY from Lanvale Road to Cape Fear Memorial Bridge
- Segment 19: US17/74/76 from NC133 Split to 5th Avenue
- Segment 28: PINE GROVE DRIVE from College Road to Masonboro Sound Road

DATA

The following pages contain the data used to calculate the Transit Stops and Ridership for each roadway segment.

Segment	Road	To	From	Wave Stops
1	MARKET STREET	3RD STREET	COLLEGE ROAD	31
2	MARKET STREET	COLLEGE RD	NC 140	0
3	OLEANDER DRIVE	CAPE FEAR MEMORIAL BRIDGE	TREADWELL STREET	18
4	OLEANDER DR/MILITARY CUTOFF RD	TREADWELL ST	GORDON ROAD	15
5	SHIPYARD BLVD	RIVER ROAD	COLLEGE ROAD	16
6	FRONT STREET	W LAKE SHORE	CAPE FEAR MEMORIAL BRIDGE	15
7	3RD STREET	W LAKE SHORE	WOOSTER STREET	0
8	CAROLINA BEACH ROAD	W LAKE SHORE	COLLEGE ROAD	28
9	COLLEGE ROAD	GORDON ROAD	WILSHIRE BLVD	12
10	COLLEGE ROAD	WILSHIRE BLVD	PINECLIFF DRIVE	8
11	COLLEGE ROAD/CAROLINA BEACH ROAD	PINECLIFF DRIVE	SANDERS	6
12	17TH/16TH STREET	MARKET ST	COLLEGE ROAD	30
13	KERR AVENUE	MLK JR. PARKWAY	COLLEGE ROAD	12
14	MLK JR. PARKWAY/EASTWOOD ROAD	COLLEGE RD	MILITARY CUTOFF RD	5
15	RANDALL PARKWAY	COVIL AVE / INDEPENDENCE BLVD	COLLEGE ROAD	4
16	US 74/76	MACO RD	US 17/ OCEAN HWY	0
17	US 17/OCEAN HIGHWAY	LANVALE RD	CAPE FEAR MEMORIAL BRIDGE	0
18	NC 133/ RIVER ROAD	US 17/74/76	RABON WAY	0
19	US 17/74/76	NC 133 SPLIT	5TH AVE	0
20	US 421/NC 133	US 74 SPLIT	3RD ST	0
21	US 117/COLLEGE ROAD	HOLLY SHELTER RD	GORDON RD	7
22	GORDON ROAD	I-40	MILITARY CUTOFF RD	8
23	US 17/MARKET STREET	NC-140	WASHINGTON ACRES	0
24	US 17/NC 210	WASHINGTON ACRES RD	SLOOP POINT RD	0
25	EASTWOOD ROAD/US 76/CAUSEWAY DRIVE	MILITARY CUTOFF RD	LUMINA AVE	1
26	US 421/CAROLINA BEACH ROAD	SANDERS RD	SNOW'S CUT BRIDGE	6
27	US 421/LAKE PARK BLVD	SNOW'S CUT BRIDGE	END OF US 421	3
28	PINE GROVE DRIVE	COLLEGE RD	MASONBORO SOUND RD	2
29	VILLAGE ROAD	US 17/74/76	TOWN HALL DR	4
30	INDEPENDENCE BLVD	US 421	MARKET ST	12

DRAFT

This page intentionally left blank

PERFORMANCE MEASURES: SCORING AND DATA

DRAFT

PERFORMANCE MEASURES: SCORING AND DATA

	Jul-17		Aug-17		Sep-17		Oct-17		Nov-17	
Fixed Route	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used
101 (Princess Place)	13,249	1,802	14,514	1,976	14,298	1,844	15,058	1,781	13,318	1,655
103 (Oleander East)	4,954	869	5,654	927	4,889	748	5,487	795	5,167	767
104 (Northeast)	4,817	1,073	5,312	1,306	4,987	1,122	5,276	1,109	4,904	985
105 (Medical Center)	5,085	812	5,932	868	5,252	729	5,818	705	5,733	713
106 (Shipyard Blvd)	5,201	688	5,584	764	4,995	687	5,381	787	5,285	758
107 (College Rd)	2,034	234	1,891	226	1,863	170	1,834	182	1,788	153
108 (Market St)	5,732	742	6,107	850	5,876	751	6,312	761	5,748	761
201 (Carolina Beach Rd)	9,182	965	9,807	941	9,450	934	9,219	875	8,943	917
202 (Oleander West)	5,047	569	5,506	508	5,329	521	5,924	533	5,269	510
203 (Trolley)	5,104		4,223		2,891		3,201		2,750	
204 (Brunswick)	1,686	244	1,743	229	1,515	173	1,786	244	1,803	226
205 (Long Leaf Park)	6,952	696	7,441	763	6,870	707	6,803	658	6,245	545
207 (North)	2,369	323	2,421	326	2,597	385	2,880	396	2,650	366
209 (Independence)	5,942	509	6,392	563	6,318	584	6,154	574	5,570	551
301 (Pleasure Island)	824		776		539		640		611	
Fixed Route Total	78,178	9,526	83,303	10,247	77,669	9,355	81,773	9,400	75,784	8,907

UNCW	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**
Blue (701)	N/A	3,773	6,293	6,001	5,230
Green (702)	N/A	3,836	5,223	5,442	4,869
Red (703)	N/A	3,863	6,009	5,225	5,193
Yellow (704)	N/A	3,572	4,878	3,724	3,500
Loop (705)	N/A	759	1,277	1,192	1,101
Orange (706)	N/A	5,267	7,020	7,658	6,610
Red Exp (707)	N/A	7,442	13,778	12,716	11,925
Grey (711)	N/A	4,415	8,157	7,750	7,255
Teal (712)	N/A	1,785	2,967	3,032	2,794
UNCW Total	0	34,712	55,602	52,740	48,477

Total Fixed Route and UNCW					
	78,178	118,015	133,271	134,513	124,261

Para-Transit Services	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**
ADA Trips	1,600	1,775	1,631	1,799	1,460
Non ADA Trips	3,235	3,828	3,110	3,508	3,468
Para-Transit Total	***4,835***	***5,603***	***4,741***	***5,307***	***4,928***

Van Pool	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**
VP-ET-1	134	192	164	181	201
VP-ET-2	173	218	186	196	217
Van Pool Total	307	410	350	377	418

Total System Passengers	***83,320***	***124,028***	***138,362***	***140,197***	***129,607***

Annual Fixed Route Ridership	**1,306,099**
Annual Para-Transit Ridership	**60,690**
Annual Van Pool Ridership	**4,846**

Note: Monthly passenger figures include the number of "Transfers Used" by passengers

	Dec-17		Jan-18		Feb-18		Mar-18		Apr-18		May-18	
Fixed Route	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used
101 (Princess Place)	12,220	1,989	12,048	1,573	14,606	2,418	14,506	1,929	13,470	1,699	13,961	1,776
103 (Oleander East)	4,684	838	4,335	558	5,086	932	5,348	786	5,308	753	5,353	936
104 (Northeast)	4,474	998	4,094	822	4,312	976	4,808	949	4,565	882	5,326	1,224
105 (Medical Center)	5,060	751	4,707	630	5,394	901	5,429	758	5,244	708	5,204	867
106 (Shipyard Blvd)	4,984	859	4,556	551	5,636	893	5,493	753	5,351	747	5,735	967
107 (College Rd)	1,939	223	1,672	142	2,039	255	1,984	204	1,985	175	2,124	219
108 (Market St)	5,720	939	5,096	674	6,027	1,001	6,106	792	5,995	796	6,776	1,096
201 (Carolina Beach Rd)	8,227	1,164	7,541	783	8,809	1,224	9,165	920	8,540	840	9,016	1,357
202 (Oleander West)	5,062	567	4,304	405	5,520	618	6,083	603	5,724	494	5,963	639
203 (Trolley)	2,109		1,893		2,210		2,844		3,676		3,071	
204 (Brunswick)	1,636	241	1,258	185	1,617	244	1,492	207	1,579	219	1,393	227
205 (Long Leaf Park)	6,510	773	5,698	598	6,598	770	6,967	650	6,350	634	6,920	788
207 (North)	2,342	369	2,514	308	3,119	496	2,636	380	2,540	440	3,009	423
209 (Independence)	5,644	609	5,242	476	5,859	522	6,097	543	5,790	479	5,906	512
301 (Pleasure Island)	401		421		437		785		776		913	
Fixed Route Total	71,012	10,320	65,379	7,705	77,269	11,250	79,743	9,474	76,893	8,866	80,670	11,031

UNCW	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**
Blue (701)	896	4,655	4,703	3,272	4,052	438
Green (702)	797	4,933	4,673	3,838	5,366	419
Red (703)	730	4,229	5,232	3,692	4,506	434
Yellow (704)	684	4,208	4,056	2,811	3,294	308
Loop (705)	177	1,009	1,263	1,163	1,430	147
Orange (706)	1,121	6,559	7,257	4,905	5,807	505
Red Exp (707)	1,974	12,747	14,164	9,808	13,039	1,182
Grey (711)	1,005	5,542	5,898	4,139	5,093	397
Teal (712)	648	1,979	2,442	1,612	2,175	299
UNCW Total	8,032	45,861	49,688	35,240	44,762	4,129

Total Fixed Route and UNCW						
	79,044	111,240	126,957	114,983	121,655	84,799

Para-Transit Services	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**
ADA Trips	1,276	1,147	1,464	1,643	1,582	1,706
Non ADA Trips	3,294	3,349	3,596	3,746	3,580	3,663
Para-Transit Total	***4,570***	***4,496***	***5,060***	***5,389***	***5,162***	***5,369***

Van Pool	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**
VP-ET-1	164	225	211	240	214	227
VP-ET-2	165	230	200	239	211	218
Van Pool Total	329	455	411	479	425	445

Total System Passengers	***83,943***	***116,191***	***132,428***	***120,851***	***127,242***	***90,613***

DRAFT

Fixed Route	Jun-18 Passengers	Jun-18 Transfers Used	Total w/Transfers	Total Transfers
101 (Princess Place)	13,224	1,708	164,472	22,150
103 (Oleander East)	5,256	704	61,521	9,613
104 (Northeast)	5,161	932	58,036	12,378
105 (Medical Center)	5,337	763	64,195	9,205
106 (Shipyard Blvd)	5,508	649	63,709	9,103
107 (College Rd)	1,934	264	23,087	2,447
108 (Market St)	6,561	795	72,056	9,958
201 (Carolina Beach Rd)	9,053	890	106,952	11,810
202 (Oleander West)	5,776	595	65,507	6,562
203 (Trolley)	3,747		37,719	-
204 (Brunswick)	1,364	164	18,872	2,603
205 (Long Leaf Park)	6,813	677	80,167	8,259
207 (North)	2,624	431	31,701	4,643
209 (Independence)	5,709	539	70,623	6,461
301 (Pleasure Island)	1,116		8,239	-
Fixed Route Total	79,183	9,111	926,856	115,192

UNCW	Jun-18	Total
Blue (701)	0	39,313
Green (702)	0	39,396
Red (703)	0	39,113
Yellow (704)	0	31,035
Loop (705)	0	9,518
Orange (706)	0	52,709
Red Exp (707)	0	98,775
Grey (711)	0	49,651
Teal (712)	0	19,733
UNCW Total	0	379,243

Total Fixed Route and UNCW		
	79,183	1,306,099

Para-Transit Services	Jun-18	Total
ADA Trips	1,834	18,917
Non ADA Trips	3,396	41,773
Para-Transit Total	***5,230***	60,690

Van Pool	Jun-18	Total
VP-ET-1	216	2,369
VP-ET-2	224	2,477
Van Pool Total	440	4,846

Total System Passengers	***84,853***	***1,366,789***

Annual Fixed Route Ridership
Annual Para-Transit Ridership
Annual Van Pool Ridership

Note: Monthly passenger figures

This page intentionally left blank

DRAFT

Fixed Route	Jul-18		Aug-18		Sep-18		Oct-18		Nov-18		Dec-18	
	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used
101 (Princess Place)	12,977	1,666	15,281	2,037	7,190	872	15,255	1,734	13,513	1,486	12,284	1,415
103 (Oleander East)	5,035	665	5,449	722	2,304	286	4,773	639	4,578	594	4,408	627
104 (Northeast)	4,468	808	5,085	871	2,400	382	5,037	837	4,640	655	4,126	600
105 (Medical Center)	5,067	749	5,959	824	2,771	336	5,672	788	4,932	597	4,936	636
106 (Shipyard Blvd)	4,988	633	6,136	766	2,770	283	5,603	618	4,661	510	4,139	398
107 (College Rd)	2,063	177	2,064	168	914	82	1,919	197	1,522	136	1,446	145
108 (Market St)	6,137	775	6,519	816	3,267	396	6,495	703	5,551	555	5,250	518
201 (Carolina Beach Rd)	8,085	900	9,631	979	4,771	422	8,886	901	8,349	767	7,430	712
202 (Oleander West)	5,280	586	5,969	619	2,888	246	5,077	475	5,176	489	4,690	468
203 (Trolley)	4,473		4,500		672		1,406		1,425		1,762	
204 (Brunswick)	1,749	242	1,811	216	782	85	1,476	169	1,402	132	1,247	121
205 (Long Leaf Park)	6,409	592	7,896	751	3,807	346	7,628	703	6,686	578	5,900	586
207 (North)	2,559	427	2,982	503	1,205	175	2,803	432	2,615	359	2,203	269
209 (Independence)	5,387	484	6,549	552	3,160	261	6,321	535	5,236	424	4,997	355
301 (Pleasure Island)	921		961		382		637		591		647	
Fixed Route Total	75,598	8,704	86,792	9,824	39,283	4,172	78,988	8,731	70,877	7,282	65,465	6,850

UNCW	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Blue (701)	N/A	1,803	1,138	4,429	4,810	1,696
Green (702)	N/A	2,685	1,358	5,443	4,857	1,853
Red (703)	N/A	2,957	1,598	5,997	5,773	3,192
Yellow (704)	N/A	1,503	749	2,819	2,828	1,252
Loop (705)	N/A	412	278	961	1,315	570
Red Exp (707)	N/A	6,415	3,676	12,123	12,729	5,810
Grey (711)	N/A	6,202	3,660	9,867	10,754	4,679
Teal (712)	N/A	1,086	705	2,482	2,585	1,337
UNCW Total	0	23,063	13,162	44,121	45,651	20,389

Total Fixed Route and UNCW						
	75,598	109,855	52,445	123,109	116,528	85,854

Para-Transit Services	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
ADA Trips	1,865	2,195	876	1,758	1,781	1,635
Non ADA Trips	3,451	4,269	1,516	3,844	3,142	2,722
Para-Transit Total	***5,316***	***6,464***	***2,392***	***5,602***	***4,923***	***4,357***

Van Pool	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
VP-ET-1	234	237	142	235	206	164
VP-ET-2	216	237	100	265	209	146
Van Pool Total	450	474	242	500	415	310

Total System Passengers	***81,364***	***116,793***	***55,079***	***129,211***	***121,866***	***90,521***

Annual Fixed Route Ridership	**1,199,245**
Annual Para-Transit Ridership	**59,594**
Annual Van Pool Ridership	**4,392**

Note: Monthly passenger figures include the number of "Transfers Used" by passengers

Jan-19		Feb-19		Mar-19		Apr-19		May-19		Jun-19		Total w/Transfers	Total Transfers
Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used	Passengers	Transfers Used		
13,998	1,657	14,237	1,798	13,910	1,654	13,040	1,877	13,798	1,661	12,671	1,668	158,154	19,525
5,040	751	4,783	739	5,267	690	5,166	819	5,453	622	4,686	596	56,942	7,750
4,392	763	4,154	732	4,460	799	4,296	995	4,537	754	4,213	775	51,808	8,971
5,502	786	5,579	720	5,799	730	5,450	791	5,241	597	5,078	653	61,986	8,207
4,328	568	4,599	552	5,355	669	4,988	815	4,587	615	4,895	749	57,049	7,176
1,777	178	1,894	234	1,644	195	1,702	275	1,738	216	1,806	237	20,489	2,240
5,867	608	6,074	627	6,734	731	6,284	851	6,131	696	6,243	601	70,552	7,877
7,951	739	8,484	845	9,336	948	8,869	1,260	8,737	886	8,116	887	98,645	10,246
4,849	510	4,520	497	4,916	522	4,884	548	5,218	378	4,746	468	58,213	5,806
2,175		2,365		2,635		3,051		2,807		3,295		30,566	-
1,338	141	1,654	154	1,793	146	1,803	257	1,680	163	1,390	166	18,125	1,992
6,132	604	6,721	749	6,880	618	6,664	676	6,934	528	6,314	541	77,971	7,272
2,507	321	2,896	473	2,750	396	2,811	506	2,723	348	2,258	339	30,312	4,548
5,274	472	5,163	483	5,504	453	5,411	550	5,113	496	5,008	432	63,123	5,497
666		678		736		858		843		857		8,777	-
71,796	8,098	73,801	8,603	77,719	8,551	75,277	10,220	75,540	7,960	71,576	8,112	862,712	97,107

Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total
3,352	5,200	3,554	4,196	796	N/A	30,974
3,475	4,867	3,892	4,295	816	N/A	33,541
4,576	6,515	5,291	6,417	1,240	N/A	43,556
3,397	4,404	3,105	3,924	728	N/A	24,709
811	1,366	1,363	1,766	431	N/A	9,273
11,818	16,634	12,790	15,219	3,257	N/A	100,471
5,838	9,208	11,211	12,838	2,555	N/A	76,812
1,714	2,577	1,895	2,326	490	N/A	17,197
34,981	50,771	43,101	50,981	10,313	0	336,533

	106,777	124,572	120,820	126,258	85,853	71,576	1,199,245

Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total
1,776	1,723	1,912	2,053	2,177	1,877	21,628
3,394	3,198	3,158	2,944	3,319	3,009	37,966
5,170	***4,921***	***5,070***	***4,997***	***5,496***	***4,886***	59,594

Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total
266	238	157	256	291	198	2,624
168	146	130	56	3	92	1,768
434	384	287	312	294	290	4,392

Total System Passengers	***112,381***	***129,877***	***126,177***	***131,567***	***91,643***	***76,752***	***1,258,839***

DRAFT

Multimodal

BICYCLE SUITABILITY

= Bicycle Suitability

#	SEGMENT NAME	FROM	TO	MILES		% MUP	% BIKE	TOTAL	SCORE
1	Market Street	3rd Street	College Road	4.42	2.55	0.00	0.00	2.55	4
2	Market Street	College Road	NC140	6.37	2.00	0.00	0.00	2.00	4
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	4.89	2.53	0.00	0.02	2.56	4
4	Oleander Drive/ Military Cutoff Rd	Treadwell Street	Gordon Road	6.51	4.85	0.31	0.13	5.29	7
5	Shipyard Blvd	River Road	College Road	3.67	3.47	0.00	0.00	3.47	6
6	Front Street	W Lake Shore Dr	Cape Fear Memorial Bridge	1.03	2.00	0.00	1.10	3.10	5
7	3rd Street	W Lake Shore Dr	Wooster Street	0.97	2.00	0.00	0.00	2.00	4
8	Carolina Beach Road	W Lake Shore Dr	College Road	5.77	2.00	0.00	0.00	2.00	4
9	College Road	Gordon Road	Wilshire Blvd	5.21	2.00	0.00	0.00	2.00	4
10	College Road	Wilshire Blvd	Pinecliff Drive	3.99	2.00	0.32	0.00	2.32	4
11	College Road/ Carolina Beach Rd	Pinecliff Drive	Sanders Road	4.78	2.00	0.00	0.00	2.00	4
12	17th/16th Street	Market Street	College Road	5.53	5.07	0.34	0.00	5.41	8
13	Kerr Avenue	MLK Jr Pkwy	College Road	2.83	5.29	0.03	0.03	5.36	8
14	MLK Jr Pkwy/ Eastwood Road	College Road	Military Cutoff Road	3.20	6.44	0.61	0.00	7.05	10
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	1.66	10.00	0.72	1.70	12.41	10
16	US74/76	Maco Rd	US17/Ocean Hwy	8.86	1.17	0.00	0.00	1.17	0
17	US17/Ocean Hwy	Lanvale Road	Cape Fear Memorial Bridge	9.70	0.56	0.00	0.00	0.56	0
18	NC133/River Rd	US17/74/76	Rabon Way	4.87	2.79	0.00	0.00	2.79	5
19	US17/74/76	NC133 Split	5th Avenue	4.14	0.00	0.00	0.00	0.00	0
20	US421/ NC133	US74 split	3rd Street	1.60	2.00	0.00	0.00	2.00	0
21	US117/ College Road	Holly Shelter Road	Gordon Road	6.12	4.00	0.00	0.00	4.00	6
22	Gordon Road	I-40	Military Cutoff Rd	2.74	2.00	0.00	0.00	2.00	4
23	US17/ Market Street	NC140	Washington Acres Road	5.82	0.79	0.00	0.00	0.79	2
24	US17/NC210	Washington Acres Road	Sloop Point Road	8.64	2.00	0.00	0.00	2.00	4
25	Eastwood/US76/ Causeway Drive	Military Cutoff Road	Lumina Avenue	2.45	5.84	0.46	0.22	6.52	9

= Bicycle Suitability

#	SEGMENT NAME	FROM	TO	MILES		% MUP	% BIKE	TOTAL	SCORE
26	US421/ Carolina Beach Rd	Sanders Road	Snow's Cut Bridge	2.90	0.34	0.00	0.00	0.34	1
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	6.99	5.57	0.00	0.76	6.33	9
28	Pine Grove Drive	College Road	Masonboro Sound Road	2.49	4.60	0.03	0.00	4.63	6
29	Village Road	US17/74/76	Town Hall Drive	3.22	3.69	0.00	0.00	3.69	6
30	Independence Blvd	US421	Market St	4.85	7.09	0.57	0.30	7.97	10

BICYCLE SUITABILITY SCORING

BICYCLE SUITABILITY	SCORE
7.03 - 7.97	10
6.09 - 7.02	9
5.15 - 6.08	8
4.21 - 5.14	7
3.27 - 4.20	6
2.61 - 3.26	5
1.96 - 2.60	4
1.31 - 1.95	3
0.65 - 1.30	2
0.0 - 0.64	1
N/A (0)*	0

BEST

WORST

BEST ROADWAY SEGMENTS IN TERMS OF BICYCLE SUITABILITY

- Segment 14: MLK JR PKWY/EASTWOOD ROAD from College Road to Military Cutoff Road
- Segment 15: RANDALL PKWY from Covil Avenue/ Independence Blvd to College Road
- Segment 30: INDEPENDENCE BLVD from US421 to Market Street

WORST ROADWAY SEGMENTS IN TERMS OF BICYCLE SUITABILITY

- Segment 26: US421/CAROLINA BEACH ROAD from Sanders Road to Snow's Cut Bridge

*Controlled access facility

DATA

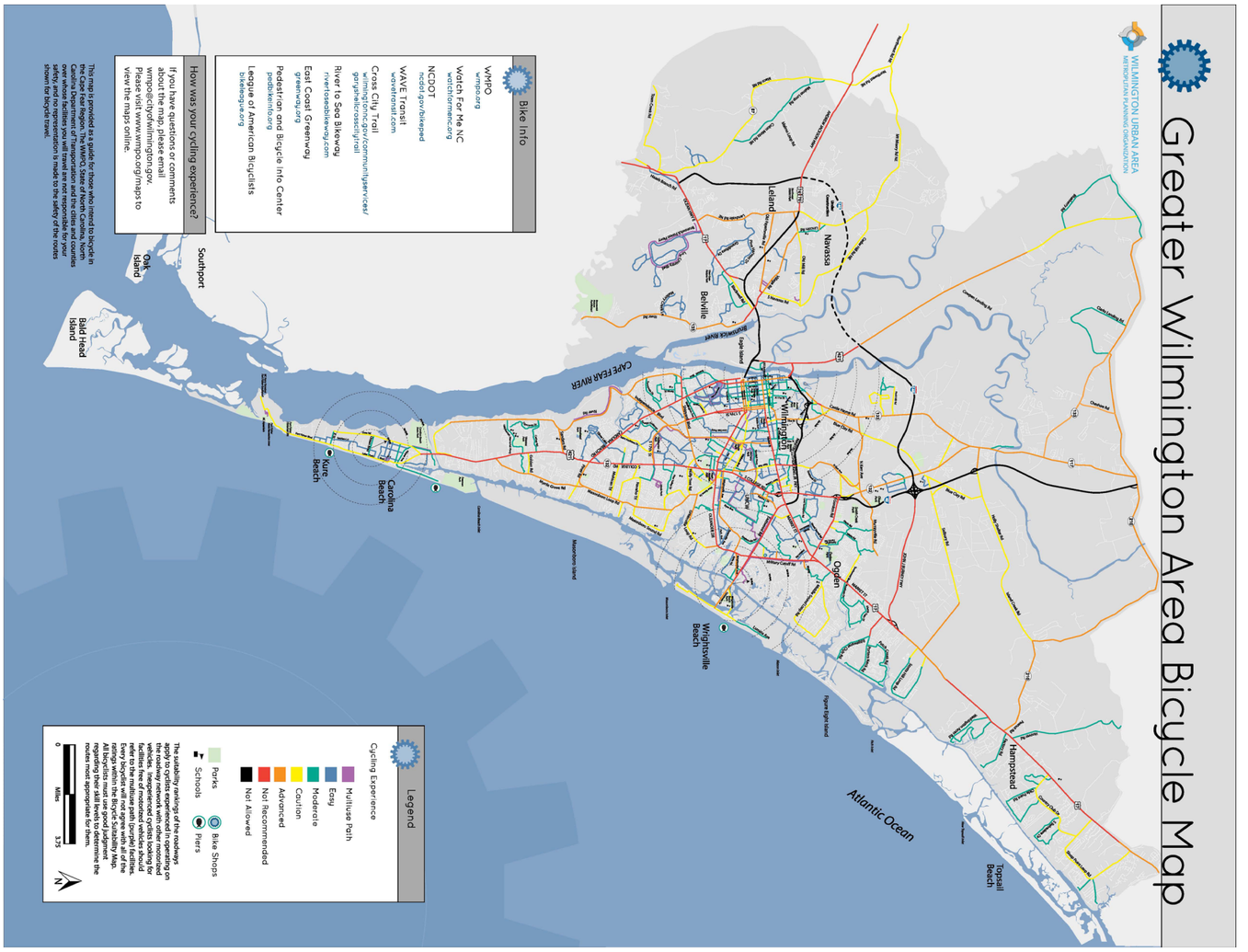
The following pages contain the data used to calculate the Bicycle Suitability for each roadway segment.

#	Road	To	From	Total Length	Suitability Score 1	Length 1	Suitability Score 2	Length 2	Suitability Score 3	Length 3	Score
1	MARKET STREET	3RD STREET	COLLEGE ROAD	4.42	2	3.2	4	1.22		0	2.55
2	MARKET STREET	COLLEGE RD	NC 140	6.37	2	6.37				0	2.00
3	OLEANDER DRIVE	CAPE FEAR MEMORIAL BRIDGE	TREADWELL STREET	4.89	4	1.3	2	3.59		0	2.53
4	OLEANDER DR/MILITARY CUTOFF RD	TREADWELL ST	GORDON ROAD	6.51	10	2.32	2	4.19		0	4.85
5	SHIPYARD BLVD	RIVER ROAD	COLLEGE ROAD	3.67	4	2.7	2	0.97		0	3.47
6	FRONT STREET	W LAKE SHORE	CAPE FEAR MEMORIAL BRIDGE	1.03	2	1.03		0		0	2.00
7	3RD STREET	W LAKE SHORE	WOOSTER STREET	0.97	2	0.97		0		0	2.00
8	CAROLINA BEACH ROAD	W LAKE SHORE	COLLEGE ROAD	5.77	2	5.77		0		0	2.00
9	COLLEGE ROAD	GORDON ROAD	WILSHIRE BLVD	5.21	2	5.21		0		0	2.00
10	COLLEGE ROAD	WILSHIRE BLVD	PINECLIFF DRIVE	3.99	2	3.99		0		0	2.00
11	COLLEGE ROAD/CAROLINA BEACH ROAD	PINECLIFF DRIVE	SANDERS	4.78	2	4.78		0		0	2.00
12	17TH/16TH STREET	MARKET ST	COLLEGE ROAD	5.53	10	1.76	4	1.44	2	2.33	5.07
13	KERR AVENUE	MLK JR. PARKWAY	COLLEGE ROAD	2.83	4	1	6	1.83		0	5.29
14	MLK JR. PARKWAY/EASTWOOD ROAD	COLLEGE RD	MILITARY CUTOFF RD	3.2	0	0.75	10	1.8	4	0.65	6.44
15	RANDALL PARKWAY	COVIL AVE / INDEPENDENCE BLVD	COLLEGE ROAD	1.66	10	1.66		0		0	10.00
16	US 74/76	MACO RD	US 17/ OCEAN HWY	8.86	2	5.2	0	3.66		0	1.17
17	US 17/OCEAN HIGHWAY	LANVALE RD	CAPE FEAR MEMORIAL BRIDGE	9.7	2	2.7	0	7		0	0.56
18	NC 133/ RIVER ROAD	US 17/74/76	RABON WAY	4.87	4	3.4		1.47		0	2.79
19	US 17/74/76	NC 133 SPLIT	5TH AVE	4.14	0	4.14		0		0	0.00
20	US 421/NC 133	US 74 SPLIT	3RD ST	1.6	2	1.6		0		0	2.00
21	US 117/COLLEGE ROAD	HOLLY SHELTER RD	GORDON RD	6.12	4	6.12		0		0	4.00
22	GORDON ROAD	I-40	MILITARY CUTOFF RD	2.74	2	2.74		0		0	2.00
23	US 17/MARKET STREET	NC-140	WASHINGTON ACRES	5.82	2	2.3	0	3.52		0	0.79
24	US 17/NC 210	WASHINGTON ACRES RD	SLOOP POINT RD	8.64	2	8.64		0		0	2.00

DRAFT

#	Road	To	From	Total Length	Suitability Score 1	Length 1	Suitability Score 2	Length 2	Suitability Score 3	Length 3	Score
25	EASTWOOD ROAD/US 76/ CAUSEWAY DRIVE	MILITARY CUTOFF RD	LUMINA AVE	2.45	10	0.75	4	1.7		0	5.84
26	US 421/CAROLINA BEACH ROAD	SANDERS RD	SNOW'S CUT BRIDGE	2.9	2	0.5		2.4		0	0.34
27	US 421/LAKE PARK BLVD	SNOW'S CUT BRIDGE	END OF US 421	6.99	0	0.5	6	6.49		0	5.57
28	PINE GROVE DRIVE	COLLEGE RD	MASONBORO SOUND RD	2.49	6	0.75	4	1.74		0	4.60
29	VILLAGE ROAD	US 17/74/76	TOWN HALL DR	3.22	2	0.5	4	2.72		0	3.69
30	INDEPENDENCE BLVD	US 421	MARKET ST	4.85	10	2.5	4	2.35		0	7.09

Suitability	Score
Multiuse	10
Easy	10
Moderate	8
Caution	6
Advanced	4
Not Recommended	2
Not Allowed	0



DRAFT

#	Road	To	From	Length	MUP Miles	% MUP	Bike Infra Miles	% Bike
1	MARKET STREET	3RD STREET	COLLEGE ROAD	4.42	0.00	0.00	0.00	0.00
2	MARKET STREET	COLLEGE RD	NC 140	6.37	0.00	0.00	0.00	0.00
3	OLEANDER DRIVE	CAPE FEAR MEMORIAL BRIDGE	TREADWELL STREET	4.89	0.00	0.00	0.12	0.02
4	OLEANDER DR/MILITARY CUTOFF RD	TREADWELL ST	GORDON ROAD	6.51	2.00	0.31	0.87	0.13
5	SHIPYARD BLVD	RIVER ROAD	COLLEGE ROAD	3.67	0.00	0.00	0.00	0.00
6	FRONT STREET	LAKE SHORE DR	CAPE FEAR MEMORIAL BRIDGE	1.03	0.00	0.00	1.13	1.10
7	3RD STREET	W LAKE SHORE	WOOSTER STREET	0.97	0.00	0.00	0.00	0.00
8	CAROLINA BEACH ROAD	W LAKE SHORE	COLLEGE ROAD	5.77	0.00	0.00	0.00	0.00
9	COLLEGE ROAD	GORDON ROAD	WILSHIRE BLVD	5.21	0.00	0.00	0.00	0.00
10	COLLEGE ROAD	WILSHIRE BLVD	PINECLIFF DRIVE	3.99	1.28	0.32	0.00	0.00
11	COLLEGE ROAD/CAROLINA BEACH ROAD	PINECLIFF DRIVE	SANDERS	4.78	0.00	0.00	0.00	0.00
12	17TH/16TH STREET	MARKET ST	COLLEGE ROAD	5.53	1.90	0.34	0.00	0.00
13	KERR AVENUE	MLK JR. PARKWAY	COLLEGE ROAD	2.83	0.10	0.03	0.09	0.03
14	MLK JR. PARKWAY/EASTWOOD ROAD	COLLEGE RD	MILITARY CUTOFF RD	3.2	1.96	0.61	0.00	0.00
15	RANDALL PARKWAY	COVIL AVE / INDEPENDENCE BLVD	COLLEGE ROAD	1.66	1.19	0.72	2.81	1.70
16	US 74/76	MACO RD	US 17/ OCEAN HWY	8.86	0.00	0.00	0.00	0.00
17	US 17/OCEAN HIGHWAY	LANVALE RD	CAPE FEAR MEMORIAL BRIDGE	9.7	0.00	0.00	0.00	0.00
18	NC 133/ RIVER ROAD	US 17/74/76	RABON WAY	4.87	0.00	0.00	0.00	0.00
19	US 17/74/76	NC 133 SPLIT	5TH AVE	4.14	0.00	0.00	0.00	0.00
20	US 421/NC 133	US 74 SPLIT	3RD ST	1.6	0.00	0.00	0.00	0.00
21	US 117/COLLEGE ROAD	HOLLY SHELTER RD	GORDON RD	6.12	0.00	0.00	0.00	0.00
22	GORDON ROAD	I-40	MILITARY CUTOFF RD	2.74	0.00	0.00	0.00	0.00
23	US 17/MARKET STREET	NC-140	WASHINGTON ACRES	5.82	0.00	0.00	0.00	0.00
24	US 17/NC 210	WASHINGTON ACRES RD	SLOOP POINT RD	8.64	0.00	0.00	0.00	0.00
25	EASTWOOD ROAD/US 76/CAUSEWAY DRIVE	MILITARY CUTOFF RD	LUMINA AVE	2.45	1.13	0.46	0.55	0.22
26	US 421/CAROLINA BEACH ROAD	SANDERS RD	SNOW'S CUT BRIDGE	2.9	0.00	0.00	0.00	0.00
27	US 421/LAKE PARK BLVD	SNOW'S CUT BRIDGE	END OF US 421	6.99	0.00	0.00	5.29	0.76
28	PINE GROVE DRIVE	COLLEGE RD	MASONBORO SOUND RD	2.49	0.07	0.03	0.00	0.00
29	VILLAGE ROAD	US 17/74/76	TOWN HALL DR	3.22	0.00	0.00	0.00	0.00
30	INDEPENDENCE BLVD	US 421	MARKET ST	4.85	2.77	0.57	1.46	0.30

DRAFT

Object ID	Street	From	To	Facility Type	Bike Lane	MUP	Sharrows	Trail	Yr Constr
131	DAWSON ST	3RD ST	5TH AVE	BIKE LANE	YES	NO	NO	NA	2007
2	MILITARY CUTOFF	GORDON RD	DRYSDALE DR	MULTI-USE PATH	NO	YES	NO	NA	2007
96	OLEANDER DR	GREENVILLE AVE	WRIGHTSVILLE AV	ON ROAD	NO	NO	NO	RTSB	
27	FRONT ST	GREENFIELD ST	BURNETT BLVD	BIKE LANE	YES	NO	NO	NA	2012
50	FRONT ST	QUEEN ST	WRIGHT ST	BIKE LANE	YES	NO	NO	NA	2012
51	FRONT ST	MARSETLLAR ST	RIVER ROCK WAY	BIKE LANE	YES	NO	NO	NA	2012
59	FRONT ST	RIVER ROCK WAY	MARSTELLAR ST	BIKE LANE	YES	NO	NO	NA	2012
60	FRONT ST	BURNETT BLVD	GREENFIELD ST	BIKE LANE	YES	NO	NO	NA	2012
158	S COLLEGE RD	HOLLY TREE RD	WEST CASCADE RD	MULTI-USE PATH	NO	YES	NO	NA	2019
159	S COLLEGE RD	WEST CASCADE RD	PINE VALLEY DR	MULTI-USE PATH	NO	YES	NO	NA	2019
160	S COLLEGE RD	PINE VALLEY DR	BRAGG DR	MULTI-USE PATH	NO	YES	NO	NA	2019
161	S COLLEGE RD	BRAGG DR	S 17TH ST	MULTI-USE PATH	NO	YES	NO	NA	2019
24	S 17TH ST	GEORGE ANDERSON	MUSEUM DR	MULTI-USE PATH	NO	YES	NO	CCT	2010
73	17TH ST	HALYBURTON PARK	JOHN D BARRY DR	MULTI-USE PATH	NO	YES	NO	CCT	2010
102	HALYBURTON PARK	GEORGE ANDERSON	17TH ST	MULTI-USE PATH	NO	YES	NO	CCT	
157	17TH ST	COLLEGE RD	JOHN D BARRY	MULTI-USE PATH	NO	YES	NO	CCT	2015
162	S 17TH ST	GALLERY PARK BL	GEORGE ANDERSON	MULTI-USE PATH	NO	YES	NO	NA	2017
154	RANDALL PKWY	INDEPENDENCE	KERR AVE	BIKE LANE	YES	NO	NO	NA	2013
152	KERR AVENUE	PARTICK AVE	RANDALL PKWY	MULTI-USE PATH	NO	YES	NO	NA	2018
18	EASTWOOD RD	CARDINAL DRIVE	MILITARY CUTOFF	MULTI-USE PATH	NO	YES	NO	CCT	2008
130	EASTWOOD RD	CAVALIER DR	PT SUMMERSET DR	MULTI-USE PATH	NO	YES	NO	NA	2014
154	RANDALL PKWY	INDEPENDENCE	KERR AVE	BIKE LANE	YES	NO	NO	NA	2013
80	RANDALL PKWY	INDEPENDENCE	KERR AVE	MULTI-USE PATH	NO	YES	NO	CCT	2013
116	RANDALL PKWY	INDEPENDENCE	KERR AVE	MULTI-USE PATH	NO	YES	NO	CCT	2013
134	RANDALL PKWY	INDEPENDENCE	KERR AVE	BIKE LANE	YES	NO	NO	NA	2013
150	RANDALL PKWY	INDEPENDENCE	KERR AVE	BIKE LANE	YES	NO	NO	NA	2013
153	RANDALL PKWY	CAMPUS COVE	COLLEGE RD	MULTI-USE PATH	NO	YES	NO	CCT	2018
155	RANDALL PKWY	KERR AVE	COLLEGE RD	BIKE LANE	YES	NO	NO	NA	2013

Comments	Owner	Shape Length	Segment	MUP Distances	Other Distances	MUP Total	Bike Infrastructure	Total
	COW	609.87	3	0.00	609.87	0.00	609.87	609.87
	COW	10553.83	4	10553.83	0.00			
	COW	4617.47	4	0.00	4617.47	10553.83	4617.47	15171.29
BIKE STAMPS ON PAVEMENT	COW	1070.41	6	0.00	1070.41			
BIKE STAMPS ON PAVEMENT	COW	1313.31	6	0.00	1313.31			
BIKE STAMPS ON PAVEMENT	COW	1030.30	6	0.00	1030.30			
BIKE STAMPS ON PAVEMENT	COW	1036.40	6	0.00	1036.40			
BIKE STAMPS ON PAVEMENT	COW	1530.05	6	0.00	1530.05	0.00	5980.47	5980.47
	COW	185.02	10	185.02	0.00			
	COW	2521.92	10	2521.92	0.00			
	COW	2134.47	10	2134.47	0.00			
	COW	1927.89	10	1927.89	0.00	6769.30	0.00	6769.30
	COW	2010.59	12	2010.59	0.00			
	COW	1046.66	12	1046.66	0.00			
	COW	3249.11	12	3249.11	0.00			
	COW	2590.81	12	2590.81	0.00			
		1140.77	12	1140.77	0.00	10037.94	0.00	10037.94
NEED PHOTO VERIFICATION	COW	468.25	13	0.00	468.25			
	COW	505.21	13	505.21	0.00	505.21	468.25	973.46
	COW	9905.50	14	9905.50	0.00			
	COW	445.68	14	445.68	0.00	10351.18	0.00	10351.18
NEED PHOTO VERIFICATION	COW	468.25	15	0.00	468.25			
	COW	3190.74	15	3190.74	0.00			
	COW	1311.05	15	1311.05	0.00			
	COW	4031.98	15	0.00	4031.98			
	COW	4701.87	15	0.00	4701.87			
	COW	1801.63	15	1801.63	0.00			
	COW	3345.14	15	0.00	3345.14			

DRAFT

Object ID	Street	From	To	Facility Type	Bike Lane	MUP	Sharrows	Trail	Yr Constr
167	RANDALL PKWY	KERR AVE	COLLEGE RD	BIKE LANE	YES	NO	NO	CCT	2013
29	EASTWOOD RD	MILITARY CUTOFF	SUMMERREST TR	MULTI-USE PATH	NO	YES	NO	CCT	2008
105	PRIVATE	KEEL ST	MARINA ST	BIKE LANE	YES	NO	NO	NA	2008
142	WRIGHTSVILLE AV	SUMMER REST	CAUSWAY	ON ROAD	NO	NO	NO	RTSB	
143	WRIGHTSVILLE AV	SUMMER REST	CAUSWAY	ON ROAD	NO	NO	NO	RTSB	
144	EASTWOOD RD	SUMMER REST	SUMMER REST	MULTI-USE PATH	NO	YES	NO	CCT	2008
165	WRIGHTSVILLE	SUMMER REST RD	HEIDI TRASK	MULTI-USE PATH	NO	YES	NO	CCT	2019
7	FORT FISHER	E AVE	FT FISHER	BIKE LANE	YES	NO	NO	NA	
10	LAKE PARK BLVD	CAROLINA SANDS	N AVE	BIKE LANE	YES	NO	NO	NA	
54	LAKE PARK BLVD	FAYETTEVILLE AV	CARL WINNER AVE	BIKE LANE	YES	NO	NO	NA	
83	LAKE PARK BLVD	CARL WINNER AV	FAYETTEVILLE AV	BIKE LANE	YES	NO	NO	NA	
129	PINE GROVE DR	BEASLEY RD	SOUTH	MULTI-USE PATH	NO	YES	NO	NA	2016
39	INDEPENDENCE BL	S 17TH ST	CAROLINA BEACH	BIKE LANE	YES	NO	NO	NA	2012
49	INDEPENDENCE	CROQUET DR	S 17TH ST	BIKE LANE	YES	NO	NO	NA	2011
107	Independence	Museum Dr	Park Ave	Multi-Use Path	No	Yes	No	CCT	2013
115	Independence Bl	Canterbury		Multi-Use Path	No	Yes	No	NA	2010
147	Covil Ave	Broad St	Darlington Ave	Multi-Use Path	No	Yes	No	NA	2018
156	Independence Bl	CBR	Driveway	Multi-Use Path	No	Yes	No	NA	2016

Comments	Owner	Shape Length	Segment	MUP Distances	Other Distances	MUP Total	Bike Infrastructure	Total
	COW	2311.35	15	0.00	2311.35	6303.42	14858.58	21162.01
	COW	3362.31	25	3362.31	0.00			
	NC	401.80	25	0.00	401.80			
	COW	1257.32	25	0.00	1257.32			
	NC	1220.96	25	0.00	1220.96			
	COW	2019.47	25	2019.47	0.00			
	COW	607.72	25	607.72	0.00	5989.50	2880.08	8869.58
	NC	16024.30	27	0.00				
	NC	8006.28	27	0.00	8006.28			
	NC	1901.27	27	0.00	1901.27			
	NC	1984.27	27	0.00	1984.27	0.00	27916.13	27916.13
	COW	370.04	28	370.04	0.00	370.04	0.00	370.04
DIAMOND STAMP ON SB LANES ONLY	COW	3898.37	30	0.00	3898.37			
BIKE STAMPS ON SB LANES ONLY	COW	3813.63	30	0.00	3813.63			
	COW	13126.97	30	13126.97	0.00			
	COW	689.69	30	689.69	0.00			
		554.04	30	554.04	0.00			
		268.78	30	268.78	0.00	14639.48	7712.00	22351.48

DRAFT

Multimodal

PEDESTRIAN SUITABILITY

SW = Sidewalk
CW = Crosswalk

#	SEGMENT NAME	FROM	TO	MILES	% SW	% CW	% MUP	TOTAL	SCORE
1	Market Street	3rd Street	College Road	4.42	1.67	0.09	0.00	1.76	10
2	Market Street	College Road	NC140	6.37	0.22	0.01	0.00	0.23	2
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	4.89	1.23	0.02	0.00	1.25	8
4	Oleander Drive/ Military Cutoff Rd	Treadwell Street	Gordon Road	6.51	0.21	0.01	0.31	0.53	5
5	Shipyard Blvd	River Road	College Road	3.67	0.68	0.03	0.00	0.71	6
6	Front Street	W Lake Shore Drive	Cape Fear Memorial Bridge	1.03	0.38	0.00	0.00	0.38	4
7	3rd Street	W Lake Shore Dr	Wooster Street	0.97	1.71	0.03	0.00	1.74	10
8	Carolina Beach Road	W Lake Shore Drive	College Road	5.77	0.58	0.03	0.00	0.61	6
9	College Road	Gordon Road	Wilshire Blvd	5.21	0.25	0.02	0.00	0.28	3
10	College Road	Wilshire Blvd	Pinecliff Drive	3.99	0.49	0.03	0.32	0.85	7
11	College Road/ Carolina Beach Rd	Pinecliff Drive	Sanders Road	4.78	0.02	0.00	0.00	0.02	1
12	17th/16th Street	Market Street	College Road	5.53	1.07	0.08	0.34	1.50	9
13	Kerr Avenue	MLK Jr Pkwy	College Road	2.83	1.05	0.09	0.03	1.17	8
14	MLK Jr Pkwy/ Eastwood Rd	College Road	Military Cutoff Road	3.2	0.70	0.02	0.61	1.34	9
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	1.66	0.81	0.16	0.72	1.69	10
16	US74/76	Maco Road	US17/Ocean Hwy	8.86	0.00	0.00	0.00	0.00	0
17	US17/Ocean Hwy	Lanvale Road	Cape Fear Memorial Bridge	9.7	0.00	0.00	0.00	0.00	0
18	NC133/ River Rd	US17/74/76	Rabon Way	4.87	0.00	0.00	0.00	0.00	1
19	US17/74/76	NC133 Split	5th Avenue	4.14	0.00	0.00	0.00	0.00	0
20	US421/NC133	US74 split	3rd Street	1.6	0.00	0.00	0.00	0.00	0
21	US117/ College Road	Holly Shelter Road	Gordon Road	6.12	0.00	0.00	0.00	0.00	1
22	Gordon Road	I-40	Military Cutoff Rd	2.74	0.02	0.00	0.00	0.02	1
23	US17/Market Street	NC140	Washington Acres Road	5.82	0.00	0.00	0.00	0.00	1
24	US17/NC210	Washington Acres Road	Sloop Point Rd	8.64	0.00	0.00	0.00	0.00	1
25	Eastwood/US76/ Causeway Drive	Military Cutoff Road	Lumina Avenue	2.45	0.72	0.02	0.46	1.20	8

SW = Sidewalk
CW = Crosswalk

#	SEGMENT NAME	FROM	TO	MILES	% SW	% CW	% MUP	TOTAL	SCORE
26	US421/ Carolina Beach Rd	Sanders Road	Snow's Cut Bridge	2.9	0.01	0.00	0.00	0.01	1
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	6.99	0.96	0.03	0.00	0.99	7
28	Pine Grove Drive	College Road	Masonboro Sound Road	2.49	0.13	0.00	0.03	0.17	2
29	Village Road	US17/74/76	Town Hall Drive	3.22	0.45	0.05	0.04	0.55	5
30	Independence Blvd	US421	Market Street	4.85	0.33	0.05	0.57	0.95	7

PEDESTRIAN SUITABILITY SCORING

PEDESTRIAN SUITABILITY	SCORE
1.53 - 1.76	10
1.30 - 1.52	9
1.06 - 1.29	8
0.83 - 1.05	7
0.60 - 0.82	6
0.48 - 0.59	5
0.36 - 0.47	4
0.24 - 0.35	3
0.12 - 0.23	2
0.0 - 0.11	1
N/A (0)*	0

BEST

WORST

*Controlled access facility

DATA

The following pages contain the data used to calculate the Pedestrian Suitability for each roadway segment.

BEST ROADWAY SEGMENTS IN TERMS OF PEDESTRIAN SUITABILITY

- Segment 1: MARKET STREET from 3rd Street to College Road
- Segment 7: 3RD STREET from W Lake Shore Drive to Wooster Street
- Segment 15: RANDALL PKWY from Covil Avenue/ Independence Blvd to College Road

WORST ROADWAY SEGMENTS IN TERMS OF PEDESTRIAN SUITABILITY

- Segment 11: COLLEGE ROAD/CAROLINA BEACH ROAD from Pinecliff Drive to Sanders Road
- Segment 18: NC133/RIVER ROAD from US17/74/76 to Rabon Way
- Segment 21: US117/COLLEGE ROAD from Holly Shelter Road to Gordon Road
- Segment 22: GORDON ROAD from I-40 to Military Cutoff Road
- Segment 23: US17/MARKET STREET from NC140 to Washington Acres Road
- Segment 24: US17/NC210 from Washington Acres Road to Sloop Point Road
- Segment 26: US421/CAROLINA BEACH ROAD from Sanders Road to Snow's Cut Bridge

#	Road	To	From	Length	Sidewalk Miles	% Sidewalk	Crosswalks Miles	% Crosswalk	MUP Miles	% MUP
1	MARKET STREET	3RD STREET	COLLEGE ROAD	4.42	7.40	1.67	0.40	0.09	0.00	0.00
2	MARKET STREET	COLLEGE RD	NC 140	6.37	1.40	0.22	0.06	0.01	0.00	0.00
3	OLEANDER DRIVE	CAPE FEAR MEMORIAL BRIDGE	TREADWELL STREET	4.89	6.02	1.23	0.09	0.02	0.00	0.00
4	OLEANDER DR/MILITARY CUTOFF RD	TREADWELL ST	GORDON ROAD	6.51	1.38	0.21	0.04	0.01	2.00	0.31
5	SHIPYARD BLVD	RIVER ROAD	COLLEGE ROAD	3.67	2.51	0.68	0.11	0.03	0.00	0.00
6	FRONT STREET	LAKE SHORE DR	CAPE FEAR MEMORIAL BRIDGE	1.03	0.39	0.38	0.00	0.00	0.00	0.00
7	3RD STREET	W LAKE SHORE	WOOSTER STREET	0.97	1.66	1.71	0.03	0.03	0.00	0.00
8	CAROLINA BEACH ROAD	W LAKE SHORE	COLLEGE ROAD	5.77	3.32	0.58	0.18	0.03	0.00	0.00
9	COLLEGE ROAD	GORDON ROAD	WILSHIRE BLVD	5.21	1.32	0.25	0.13	0.02	0.00	0.00
10	COLLEGE ROAD	WILSHIRE BLVD	PINECLIFF DRIVE	3.99	1.97	0.49	0.13	0.03	1.28	0.32
11	COLLEGE ROAD/CAROLINA BEACH ROAD	PINECLIFF DRIVE	SANDERS	4.78	0.10	0.02	0.00	0.00	0.00	0.00
12	17TH/16TH STREET	MARKET ST	COLLEGE ROAD	5.53	5.94	1.07	0.43	0.08	1.90	0.34
13	KERR AVENUE	MLK JR. PARKWAY	COLLEGE ROAD	2.83	2.97	1.05	0.25	0.09	0.10	0.03
14	MLK JR. PARKWAY/EASTWOOD ROAD	COLLEGE RD	MILITARY CUTOFF RD	3.2	2.25	0.70	0.08	0.02	1.96	0.61
15	RANDALL PARKWAY	COVIL AVE / INDEPENDENCE BLVD	COLLEGE ROAD	1.66	1.34	0.81	0.26	0.16	1.19	0.72
16	US 74/76	MACO RD	US 17/ OCEAN HWY	8.86	0.00	0.00	0.00	0.00	0.00	0.00
17	US 17/OCEAN HIGHWAY	LANVALE RD	CAPE FEAR MEMORIAL BRIDGE	9.7	0.00	0.00	0.00	0.00	0.00	0.00
18	NC 133/ RIVER ROAD	US 17/74/76	RABON WAY	4.87	0.00	0.00	0.00	0.00	0.00	0.00
19	US 17/74/76	NC 133 SPLIT	5TH AVE	4.14	0.00	0.00	0.00	0.00	0.00	0.00
20	US 421/NC 133	US 74 SPLIT	3RD ST	1.6	0.00	0.00	0.00	0.00	0.00	0.00
21	US 117/COLLEGE ROAD	HOLLY SHELTER RD	GORDON RD	6.12	0.00	0.00	0.00	0.00	0.00	0.00
22	GORDON ROAD	I-40	MILITARY CUTOFF RD	2.74	0.07	0.02	0.00	0.00	0.00	0.00
23	US 17/MARKET STREET	NC-140	WASHINGTON ACRES	5.82	0.00	0.00	0.00	0.00	0.00	0.00
24	US 17/NC 210	WASHINGTON ACRES RD	SLOOP POINT RD	8.64	0.00	0.00	0.00	0.00	0.00	0.00

DRAFT

#	Road	To	From	Length	Sidewalk Miles	% Sidewalk	Crosswalks Miles	% Crosswalk	MUP Miles	% MUP
25	EASTWOOD ROAD/US 76/ CAUSEWAY DRIVE	MILITARY CUTOFF RD	LUMINA AVE	2.45	1.75	0.72	0.05	0.02	1.13	0.46
26	US 421/CAROLINA BEACH ROAD	SANDERS RD	SNOW'S CUT BRIDGE	2.9	0.02	0.01	0.00	0.00	0.00	0.00
27	US 421/LAKE PARK BLVD	SNOW'S CUT BRIDGE	END OF US 421	6.99	6.73	0.96	0.21	0.03	0.00	0.00
28	PINE GROVE DRIVE	COLLEGE RD	MASONBORO SOUND RD	2.49	0.33	0.13	0.01	0.00	0.07	0.03
29	VILLAGE ROAD	US 17/74/76	TOWN HALL DR	3.22	1.46	0.45	0.17	0.05	0.14	0.04
30	INDEPENDENCE BLVD	US 421	MARKET ST	4.85	1.60	0.33	0.25	0.05	2.77	0.57

DRAFT

Object ID	Shape Length	Segment	Sum of Crosswalks	Crosswalk Miles
240	62.75	1		
241	58.76	1		
242	65.08	1		
243	84.71	1		
161	38.26	1		
162	65.98	1		
163	29.33	1		
164	64.03	1		
165	74.65	1		
166	74.43	1		
167	74.55	1		
168	75.61	1		
196	38.35	1		
197	69.25	1		
198	34.82	1		
199	72.32	1		
262	68.86	1		
263	48.28	1		
264	70.15	1		
265	28.63	1		
285	37.18	1		
315	44.51	1		
316	38.56	1		
330	55.29	1		
331	66.48	1		
356	42.07	1		
357	65.91	1		
726	65.60	1		
727	54.98	1		
728	58.74	1		
729	61.95	1		
803	40.05	1		
901	36.38	1		
902	32.16	1		
903	41.62	1		
977	32.81	1		
999	47.16	1		
1000	72.14	1	2092.40	0.40
502	45.34	2		
892	44.20	2		
1299	103.70	2		

Object ID	Shape Length	Segment	Sum of Crosswalks	Crosswalk Miles
1300	55.14	2		
1302	78.44	2	326.82	0.06
344	87.88	3		
345	104.08	3		
286	65.49	3		
328	68.83	3		
329	65.73	3		
343	88.71	3	480.71	0.09
794	88.27	4		
795	122.89	4		
926	25.55	4	236.70	0.04
985	116.81	5		
1002	69.10	5		
1003	25.22	5		
1004	96.07	5		
665	113.05	5		
666	61.61	5		
667	109.56	5	591.41	0.11
64	74.62	7		
65	79.70	7	154.32	0.03
697	83.03	8		
698	110.47	8		
1002	69.10	8		
1003	25.22	8		
1004	96.07	8		
638	65.31	8		
639	64.69	8		
649	67.55	8		
661	71.07	8		
662	72.23	8		
672	88.57	8		
746	76.96	8		
747	37.43	8	927.69	0.18
768	82.17	9		
767	103.57	9		
366	144.88	9		
367	130.23	9		
372	131.11	9		
765	63.40	9		
1025	20.19	9	675.56	0.13
363	51.92	10		

Object ID	Shape Length	Segment	Sum of Crosswalks	Crosswalk Miles
997	74.41	10		
362	53.69	10		
364	47.56	10		
365	69.20	10		
627	74.84	10		
826	104.09	10		
827	68.29	10		
1011	64.71	10		
1016	95.49	10	704.21	0.13
684	114.30	12		
685	158.45	12		
686	116.79	12		
687	158.33	12		
240	62.75	12		
241	58.76	12		
242	65.08	12		
243	84.71	12		
246	42.21	12		
247	19.37	12		
248	25.45	12		
249	29.13	12		
250	27.19	12		
251	25.51	12		
252	23.63	12		
253	31.02	12		
254	29.74	12		
255	35.94	12		
256	46.56	12		
257	46.62	12		
258	48.40	12		
259	45.25	12		
260	30.77	12		
261	36.00	12		
637	118.01	12		
755	56.34	12		
778	39.86	12		
820	67.53	12		
821	110.68	12		
822	68.35	12		
823	112.06	12		
921	27.80	12		

Object ID	Shape Length	Segment	Sum of Crosswalks	Crosswalk Miles
973	43.02	12		
974	47.25	12		
975	46.68	12		
976	41.90	12		
1160	118.05	12	2259.48	0.43
1194	122.35	13		
1195	125.51	13		
1196	117.03	13		
1197	133.09	13		
363	51.92	13		
767	103.57	13		
997	74.41	13		
358	67.93	13		
359	50.56	13		
360	68.98	13		
361	69.84	13		
1198	109.33	13		
1199	72.41	13		
1200	104.82	13		
1201	40.42	13	1312.15	0.25
501	70.51	14		
798	84.70	14		
799	60.44	14		
1009	45.65	14		
1423	71.23	14		
1424	65.14	14	397.67	0.08
777	70.62	15		
768	82.17	15		
1194	122.35	15		
1195	125.51	15		
1196	117.03	15		
1197	133.09	15		
352	82.86	15		
763	74.61	15		
764	46.50	15		
769	56.38	15		
770	68.92	15		
772	45.17	15		
773	77.14	15		
774	80.37	15		
775	48.31	15		

DRAFT

Object ID	Shape Length	Segment	Sum of Crosswalks	Crosswalk Miles
776	44.02	15		
1015	44.85	15		
1024	60.94	15	1380.83	0.26
1052	66.38	25		
1054	43.41	25		
1062	68.37	25		
1063	70.64	25	248.81	0.05
1034	45.29	27		
1036	84.94	27		
1037	88.94	27		
1038	82.98	27		
1039	95.41	27		
1043	53.54	27		
1044	74.76	27		
1045	86.22	27		
1046	67.87	27		
1047	40.38	27		
1048	40.66	27		
1110	57.73	27		
1111	38.98	27		
1114	27.19	27		
1115	29.47	27		
1116	32.65	27		
1117	54.04	27		
1119	33.04	27		
1120	40.22	27		
1121	40.00	27	1114.30	0.21
942	62.05	28	62.05	0.01
942	62.05	29		
1418	100.54	29		
1419	242.73	29		
1420	102.85	29		
1421	191.39	29		
1422	176.19	29	875.75	0.17
344	87.88	30		
345	104.08	30		
684	114.30	30		
685	158.45	30		
686	116.79	30		
687	158.33	30		
697	83.03	30		
698	110.47	30		
777	70.62	30		
985	116.81	30		
611	36.59	30		
614	86.50	30		
679	92.61	30	1336.47	0.25

PERFORMANCE MEASURES: SCORING AND DATA

This page intentionally left blank

DRAFT

Multimodal

BICYCLE CRASHES

#	SEGMENT NAME	FROM	TO	CRASHES/ MILE (2018-2019)	SCORE
1	Market Street	3rd Street	College Road	0.68	3
2	Market Street	College Road	NC140	0.16	8
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	0.82	2
4	Oleander Drive/ Military Cutoff Road	Treadwell Street	Gordon Road	0.46	5
5	Shipyard Blvd	River Road	College Road	0.54	4
6	Front Street	W Lake Shore Drive	Cape Fear Memorial Bridge	0.97	1
7	3rd Street	W Lake Shore Drive	Wooster Street	1.03	1
8	Carolina Beach Road	W Lake Shore Drive	College Road	0.35	5
9	College Road	Gordon Road	Wilshire Blvd	0.58	4
10	College Road	Wilshire Blvd	Pinecliff Drive	0.50	4
11	College Road/ Carolina Beach Road	Pinecliff Drive	Sanders Road	0.00	10
12	17th/16th Street	Market Street	College Road	0.72	3
13	Kerr Avenue	MLK Jr Pkwy	College Road	0.71	3
14	MLK Jr Pkwy/Eastwood Rd	College Road	Military Cutoff Road	0.94	1
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	4.22	1
16	US74/76	Maco Road	US17/ Ocean Hwy	0.00	10
17	US17/Ocean Hwy	Lanvale Road	Cape Fear Memorial Bridge	0.00	10
18	NC133/ River Road	US17/74/76	Rabon Way	0.00	10
19	US17/74/76	NC133 Split	5th Avenue	0.00	10
20	US421/NC133	US74 split	3rd Street	0.00	10
21	US117/College Road	Holly Shelter Road	Gordon Road	0.00	10
22	Gordon Road	I-40	Military Cutoff Road	0.00	10
23	US17/Market Street	NC140	Washington Acres Rd	0.00	10
24	US17/NC210	Washington Acres Rd	Sloop Point Road	0.00	10
25	Eastwood Road/US76/ Causeway Drive	Military Cutoff Road	Lumina Avenue	0.00	10
26	US421/Carolina Beach Rd	Sanders Road	Snow's Cut Bridge	0.69	3
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	0.00	10
28	Pine Grove Drive	College Road	Masonboro Sound Rd	0.00	10
29	Village Road	US17/74/76	Town Hall Drive	0.31	6
30	Independence Blvd	US421	Market Street	0.21	7

BICYCLE CRASH SCORING

CRASHES/ MILE (2018-2019)	SCORE
0.0 - 0.06	10
0.07 - 0.12	9
0.13 - 0.19	8
0.20 - 0.26	7
0.27 - 0.32	6
0.33 - 0.46	5
0.47 - 0.60	4
0.61 - 0.74	3
0.75 - 0.88	2
0.89 - 4.22	1

BEST

WORST

BEST ROADWAY SEGMENTS IN TERMS OF BICYCLE CRASHES

- Segment 11: COLLEGE ROAD/CAROLINA BEACH ROAD from Pinecliff Drive to Sanders Road
- Segment 18: NC133/RIVER ROAD from US17/74/76 to Rabon Way
- Segment 21: US117/COLLEGE ROAD from Holly Shelter Road to Gordon Road
- Segment 22: GORDON ROAD from I-40 to Military Cutoff Road
- Segment 23: US17/MARKET STREET from NC140 to Washington Acres Road
- Segment 24: US17/NC210 from Washington Acres Road to Sloop Point Road
- Segment 25: EASTWOOD ROAD/US76/CAUSEWAY DRIVE from Military Cutoff Road to Lumina Avenue
- Segment 27: US421/LAKE PARK BLVD from Snow's Cut Bridge to End of US421
- Segment 28: PINE GROVE DRIVE from College Road to Masonboro Sound Road

WORST ROADWAY SEGMENTS IN TERMS OF BICYCLE CRASHES

- Segment 6: FRONT STREET from W Lake Shore Drive to Cape Fear Memorial Bridge
- Segment 7: 3RD STREET from W Lake Shore Drive to Wooster Street
- Segment 14: MLK JR PKWY/EASTWOOD ROAD from College Road to Military Cutoff Road

DATA

The following pages contain the data used to calculate the Bicycle Crashes for each roadway segment.

DRAFT

#	Road	To	From	Bicycle Crashes	Length (miles)	Bicycle Crash Rate
1	MARKET STREET	3RD STREET	COLLEGE ROAD	3	4.42	0.68
2	MARKET STREET	COLLEGE RD	NC 140	1	6.37	0.16
3	OLEANDER DRIVE	CAPE FEAR MEMORIAL BRIDGE	TREADWELL STREET	4	4.89	0.82
4	OLEANDER DR/MILITARY CUTOFF RD	TREADWELL ST	GORDON ROAD	3	6.51	0.46
5	SHIPYARD BLVD	RIVER ROAD	COLLEGE ROAD	2	3.67	0.54
6	FRONT STREET	W LAKE SHORE	CAPE FEAR MEMORIAL BRIDGE	1	1.03	0.97
7	3RD STREET	W LAKE SHORE	WOOSTER STREET	1	0.97	1.03
8	CAROLINA BEACH ROAD	W LAKE SHORE	COLLEGE ROAD	2	5.77	0.35
9	COLLEGE ROAD	GORDON ROAD	WILSHIRE BLVD	3	5.21	0.58
10	COLLEGE ROAD	WILSHIRE BLVD	PINECLIFF DRIVE	2	3.99	0.50
11	COLLEGE ROAD/CAROLINA BEACH ROAD	PINECLIFF DRIVE	SANDERS	0	4.78	0.00
12	17TH/16TH STREET	MARKET ST	COLLEGE ROAD	4	5.53	0.72
13	KERR AVENUE	MLK JR. PARKWAY	COLLEGE ROAD	2	2.83	0.71
14	MLK JR. PARKWAY/ EASTWOOD ROAD	COLLEGE RD	MILITARY CUTOFF RD	3	3.2	0.94
15	RANDALL PARKWAY	COVIL AVE / INDEPENDENCE BLVD	COLLEGE ROAD	7	1.66	4.22
16	US 74/76	MACO RD	US 17/ OCEAN HWY	0	8.86	0.00
17	US 17/OCEAN HIGHWAY	LANVALE RD	CAPE FEAR MEMORIAL BRIDGE	0	9.7	0.00
18	NC 133/ RIVER ROAD	US 17/74/76	RABON WAY	0	4.87	0.00
19	US 17/74/76	NC 133 SPLIT	5TH AVE	0	4.14	0.00
20	US 421/NC 133	US 74 SPLIT	3RD ST	0	1.6	0.00
21	US 117/COLLEGE ROAD	HOLLY SHELTER RD	GORDON RD	0	6.12	0.00
22	GORDON ROAD	I-40	MILITARY CUTOFF RD	0	2.74	0.00
23	US 17/MARKET STREET	NC-140	WASHINGTON ACRES	0	5.82	0.00
24	US 17/NC 210	WASHINGTON ACRES RD	SLOOP POINT RD	0	8.64	0.00
25	EASTWOOD ROAD/US 76/ CAUSEWAY DRIVE	MILITARY CUTOFF RD	LUMINA AVE	0	2.45	0.00
26	US 421/CAROLINA BEACH ROAD	SANDERS RD	SNOW'S CUT BRIDGE	2	2.9	0.69
27	US 421/LAKE PARK BLVD	SNOW'S CUT BRIDGE	END OF US 421	0	6.99	0.00
28	PINE GROVE DRIVE	COLLEGE RD	MASONBORO SOUND RD	0	2.49	0.00
29	VILLAGE ROAD	US 17/74/76	TOWN HALL DR	1	3.22	0.31
30	INDEPENDENCE BLVD	US 421	MARKET ST	1	4.85	0.21

This page intentionally left blank

DRAFT

Multimodal

PEDESTRIAN CRASHES

#	SEGMENT NAME	FROM	TO	CRASHES/ MILE (2018-2019)	SCORE
1	Market Street	3rd Street	College Road	2.71	1
2	Market Street	College Road	NC140	0.63	6
3	Oleander Drive	Cape Fear Memorial Bridge	Treadwell Street	1.84	3
4	Oleander Drive/ Military Cutoff Road	Treadwell Street	Gordon Road	0.61	7
5	Shipyard Blvd	River Road	College Road	1.09	5
6	Front Street	W Lake Shore Drive	Cape Fear Memorial Bridge	0.00	10
7	3rd Street	W Lake Shore Drive	Wooster Street	0.00	10
8	Carolina Beach Road	W Lake Shore Drive	College Road	1.04	5
9	College Road	Gordon Road	Wilshire Blvd	1.15	5
10	College Road	Wilshire Blvd	Pinecliff Drive	1.25	4
11	College Road/ Carolina Beach Road	Pinecliff Drive	Sanders Road	0.84	5
12	17th/16th Street	Market Street	College Road	1.63	3
13	Kerr Avenue	MLK Jr Pkwy	College Road	2.47	1
14	MLK Jr Pkwy/Eastwood Rd	College Road	Military Cutoff Road	0.63	6
15	Randall Pkwy	Covil Avenue/ Independence Blvd	College Road	2.41	1
16	US74/76	Maco Road	US17/Ocean Hwy	0.00	10
17	US17/Ocean Hwy	Lanvale Road	Cape Fear Memorial Bridge	0.10	10
18	NC133/ River Road	US17/74/76	Rabon Way	0.00	10
19	US17/74/76	NC133 Split	5th Avenue	0.00	10
20	US421/NC133	US74 split	3rd Street	0.00	10
21	US117/College Road	Holly Shelter Road	Gordon Road	0.65	6
22	Gordon Road	I-40	Military Cutoff Road	0.73	6
23	US17/Market Street	NC140	Washington Acres Rd	0.52	7
24	US17/NC210	Washington Acres Rd	Sloop Point Road	0.00	10
25	Eastwood Road/US76/ Causeway Drive	Military Cutoff Road	Lumina Avenue	0.00	10
26	US421/Carolina Beach Rd	Sanders Road	Snow's Cut Bridge	2.07	2
27	US421/Lake Park Blvd	Snow's Cut Bridge	End of US421	0.29	9
28	Pine Grove Drive	College Road	Masonboro Sound Rd	0.40	8
29	Village Road	US17/74/76	Town Hall Drive	0.31	8
30	Independence Blvd	US421	Market Street	0.21	9

PEDESTRIAN CRASH SCORING

CRASHES/ MILE (2018-2019)	SCORE
0.0 - 0.15	10
0.16 - 0.30	9
0.31 - 0.46	8
0.47 - 0.62	7
0.63 - 0.78	6
0.79 - 1.16	5
1.17 - 1.55	4
1.56 - 1.93	3
1.94 - 2.32	2
2.33 - 2.71	1

BEST

WORST

BEST ROADWAY SEGMENTS IN TERMS OF PEDESTRIAN CRASHES

- Segment 6: FRONT STREET from W Lake Shore Drive to Cape Fear Memorial Bridge
- Segment 7: 3RD STREET from W Lake Shore Drive to Wooster Street
- Segment 18: NC133/RIVER ROAD from US17/74/76 to Rabon Way
- Segment 24: US17/NC210 from Washington Acres Road to Sloop Point Road
- Segment 25: EASTWOOD ROAD/US76/CAUSEWAY DRIVE from Military Cutoff Road to Lumina Avenue

WORST ROADWAY SEGMENTS IN TERMS OF PEDESTRIAN CRASHES

- Segment 1: MARKET STREET from 3rd Street to College Road
- Segment 13: KERR AVENUE from MLK Jr Pkwy to College Road
- Segment 15: RANDALL PKWY from Covil Avenue/Independence Blvd to College Road

DATA

The following pages contain the data used to calculate the Pedestrian Crashes for each roadway segment.

DRAFT

#	Road	To	From	Pedestrian Crashes	Length (miles)	Pedestrian Crash Rate
1	MARKET STREET	3RD STREET	COLLEGE ROAD	12	4.42	2.71
2	MARKET STREET	COLLEGE RD	NC 140	4	6.37	0.63
3	OLEANDER DRIVE	CAPE FEAR MEMORIAL BRIDGE	TREADWELL STREET	9	4.89	1.84
4	OLEANDER DR/MILITARY CUTOFF RD	TREADWELL ST	GORDON ROAD	4	6.51	0.61
5	SHIPYARD BLVD	RIVER ROAD	COLLEGE ROAD	4	3.67	1.09
6	FRONT STREET	W LAKE SHORE	CAPE FEAR MEMORIAL BRIDGE	0	1.03	0.00
7	3RD STREET	W LAKE SHORE	WOOSTER STREET	0	0.97	0.00
8	CAROLINA BEACH ROAD	W LAKE SHORE	COLLEGE ROAD	6	5.77	1.04
9	COLLEGE ROAD	GORDON ROAD	WILSHIRE BLVD	6	5.21	1.15
10	COLLEGE ROAD	WILSHIRE BLVD	PINECLIFF DRIVE	5	3.99	1.25
11	COLLEGE ROAD/CAROLINA BEACH ROAD	PINECLIFF DRIVE	SANDERS	4	4.78	0.84
12	17TH/16TH STREET	MARKET ST	COLLEGE ROAD	9	5.53	1.63
13	KERR AVENUE	MLK JR. PARKWAY	COLLEGE ROAD	7	2.83	2.47
14	MLK JR. PARKWAY/ EASTWOOD ROAD	COLLEGE RD	MILITARY CUTOFF RD	2	3.2	0.63
15	RANDALL PARKWAY	COVIL AVE / INDEPENDENCE BLVD	COLLEGE ROAD	4	1.66	2.41
16	US 74/76	MACO RD	US 17/ OCEAN HWY	0	8.86	0.00
17	US 17/OCEAN HIGHWAY	LANVALE RD	CAPE FEAR MEMORIAL BRIDGE	1	9.7	0.10
18	NC 133/ RIVER ROAD	US 17/74/76	RABON WAY	0	4.87	0.00
19	US 17/74/76	NC 133 SPLIT	5TH AVE	0	4.14	0.00
20	US 421/NC 133	US 74 SPLIT	3RD ST	0	1.6	0.00
21	US 117/COLLEGE ROAD	HOLLY SHELTER RD	GORDON RD	4	6.12	0.65
22	GORDON ROAD	I-40	MILITARY CUTOFF RD	2	2.74	0.73
23	US 17/MARKET STREET	NC-140	WASHINGTON ACRES	3	5.82	0.52
24	US 17/NC 210	WASHINGTON ACRES RD	SLOOP POINT RD	0	8.64	0.00
25	EASTWOOD ROAD/US 76/ CAUSEWAY DRIVE	MILITARY CUTOFF RD	LUMINA AVE	0	2.45	0.00
26	US 421/CAROLINA BEACH ROAD	SANDERS RD	SNOW'S CUT BRIDGE	6	2.9	2.07
27	US 421/LAKE PARK BLVD	SNOW'S CUT BRIDGE	END OF US 421	2	6.99	0.29
28	PINE GROVE DRIVE	COLLEGE RD	MASONBORO SOUND RD	1	2.49	0.40
29	VILLAGE ROAD	US 17/74/76	TOWN HALL DR	1	3.22	0.31
30	INDEPENDENCE BLVD	US 421	MARKET ST	1	4.85	0.21

This page intentionally left blank

DRAFT

Safety Performance Measures Target Setting Crash Data

WILMINGTON URBAN AREA MPO

Source: NCDOT

TOTAL REPORTED CRASHES

Year	Total Crashes	Fatal Injury Crashes	A Injury Crashes	B Injury Crashes	C Injury Crashes	PDO Crashes	Fatalities	A Injuries	B Injuries	C Injuries
2008	6,089	33	64	499	1,528	3,965	37	75	639	2,717
2009	5,665	26	55	458	1,423	3,703	28	70	594	2,523
2010	5,784	23	31	431	1,332	3,967	25	41	550	2,205
2011	5,725	20	54	422	1,305	3,924	21	59	550	2,308
2012	6,070	34	49	405	1,356	4,226	36	66	512	2,264
2013	6,316	23	51	452	1,328	4,462	23	59	559	2,225
2014	6,680	31	40	421	1,410	4,778	33	47	516	2,364
2015	7,183	27	50	455	1,536	5,115	27	60	563	2,494
2016	7,451	26	47	448	1,384	5,546	26	61	569	2,225
2017	7,841	30	60	484	1,462	5,805	31	81	620	2,320
2018	7,936	24	60	428	1,363	6,061	24	69	547	2,162

TOTAL REPORTED PEDESTRIAN CRASHES

Year	Total Crashes	Fatal Injury Crashes	A Injury Crashes	B Injury Crashes	C Injury Crashes	PDO Crashes	Fatalities	A Injuries	B Injuries	C Injuries
2008	78	7	5	32	26	8	7	6	34	30
2009	69	2	4	25	25	13	2	4	26	28
2010	68	5	6	25	23	9	5	6	25	26
2011	66	8	5	28	21	4	8	5	28	21
2012	78	7	7	25	30	9	7	7	27	32
2013	76	7	6	26	33	4	7	6	27	34
2014	79	13	4	26	30	6	13	4	27	38
2015	75	9	7	30	23	6	9	7	33	30
2016	79	6	5	33	29	6	6	5	36	30
2017	91	6	9	38	29	9	6	10	42	30
2018	82	6	6	28	34	8	6	6	31	42

TOTAL REPORTED BICYCLE CRASHES (CONTINUED ON PAGE X)

Year	Total Crashes	Fatal Injury Crashes	A Injury Crashes	B Injury Crashes	C Injury Crashes	PDO Crashes	Fatalities	A Injuries	B Injuries	C Injuries
2008	60	2	5	23	27	3	2	5	28	27
2009	66	0	3	29	29	5	0	3	29	29
2010	61	0	2	24	28	7	0	2	25	29
2011	77	3	6	32	25	11	4	6	33	28
2012	70	0	0	37	27	6	0	0	37	29
2013	60	3	1	20	29	7	3	1	20	29
2014	62	1	5	28	20	8	1	5	28	20
2015	69	0	3	30	27	9	0	3	30	30

TOTAL REPORTED BICYCLE CRASHES (CONTINUED FROM PAGE X)

Year	Total Crashes	Fatal Injury Crashes	A Injury Crashes	B Injury Crashes	C Injury Crashes	PDO Crashes	Fatalities	A Injuries	B Injuries	C Injuries
2016	65	1	3	30	22	9	1	3	32	23
2017	68	4	2	26	29	7	4	2	26	31
2018	47	2	3	12	21	9	2	3	12	22

SAFETY PERFORMANCE MEASURES

Year	Fatalities	Fatality Rate	Serious Injuries	Serious Injury Rate	Non-motorized Fatalities and Serious Injuries
2008	37	1.67	75	3.39	20
2009	28	1.25	70	3.13	9
2010	25	1.16	41	1.90	13
2011	21	0.93	59	2.60	23
2012	36	1.59	66	2.91	14
2013	23	1.02	59	2.62	17
2014	33	1.41	47	2.00	23
2015	27	1.07	60	2.38	19
2016	26	0.98	61	2.29	15
2017	31	1.18	81	3.08	22
2018	24	0.88	69	2.52	17

TARGET SETTING CRASH DATA

Year	Fatalities (5 Year Average)	Fatality Rate (5 Year Average)	Serious Injuries (5 Year Average)	Serious Injury Rate (5 Year Average)	Non-motorized Fatalities and Serious Injuries
2008 - 2012	29.4	1.32	62.2	2.78	15.8
2009 - 2013	26.6	1.19	59.0	2.63	15.2
2010 - 2014	27.6	1.22	54.4	2.41	18.0
2011 - 2015	28.0	1.20	58.2	2.50	19.2
2012 - 2016	29.0	1.21	58.6	2.44	17.6
2013 - 2017	28.0	1.13	61.6	2.47	19.2
2014 - 2018	28.2	1.10	63.6	2.45	19.2
2020 Target*	24.9	0.99	56.0	2.21	16.6

NOTES

* Target based on State's methodology of reducing crashes by 50% by the year 2030

- Rates are in units of crashes per 100 MVMT
- Last updated: 8/20/19

Types of Injuries

- Type "A" Injuries: Disabling
- Type "B" Injuries: Evident
- Type "C" Injuries: Possible

DRAFT

New Hanover County

Reportable	2015 Crashes	2015 Injuries	2016 Crashes	2016 Injuries	2017 Crashes	2017 Injuries	2018 Crashes	2018 Injuries	2019 Crashes	2019 Injuries	5 Year Avg. Crashes	5 Year Avg. Injuries
Fatal	21	**21**	18	**18**	18	**19**	12	**12**	32	**34**	20	**21**
Non Fatal Injury	1,758	**2,674**	1,586	**2,395**	1,752	**2,636**	1,571	**2,339**	1,581	**2,283**	1,650	**2,465**
PDO	3,843		4,154		4,439		4,444		4,523		4,281	
Total	5,622	**2,695**	5,758	**2,413**	6,209	**2,655**	6,027	**2,351**	6,136	**2,317**	5,950	**2,486**
Alcohol Related Crashes												
Fatal	7	**7**	7	**7**	7	**7**	7	**7**	5	**5**	7	**7**
Non Fatal Injury	100	**146**	95	**154**	128	**185**	105	**147**	101	**151**	106	**157**
PDO	158		157		135		161		160		154	
Total	265	**153**	259	**161**	270	**192**	273	**154**	266	**156**	267	**163**
Percent Alcohol Related												
Fatal	33.3%	**33.3%**	38.9%	**38.9%**	38.9%	**36.8%**	58.3%	**58.3%**	15.6%	**14.7%**	32.7%	**31.7%**
Non Fatal Injury	5.7%	**5.5%**	6.0%	**6.4%**	7.3%	**7.0%**	6.7%	**6.3%**	6.4%	**6.6%**	6.4%	**6.4%**
Total	4.7%	**5.7%**	4.5%	**6.7%**	4.3%	**7.2%**	4.5%	**6.6%**	4.3%	**6.7%**	4.5%	**6.6%**
Pedestrian Crashes												
Fatal	8	**8**	5	**5**	5	**5**	3	**3**	10	**10**	6	**6**
Non Fatal Injury	58	**68**	66	**70**	68	**74**	63	**68**	66	**73**	64	**71**
PDO	0		0		1		2		3		1	
Total	66	**76**	71	**75**	74	**79**	68	**71**	79	**83**	72	**77**
Bicycle Crashes												
Fatal	0	**0**	1	**1**	3	**3**	2	**2**	1	**1**	1	**1**
Non Fatal Injury	55	**58**	54	**57**	53	**54**	36	**37**	50	**50**	50	**51**
PDO	0		0		0		2		0		0	
Total	55	**58**	55	**58**	56	**57**	40	**39**	51	**51**	51	**53**
Motorcycle Crashes												
Fatal	3	**3**	3	**3**	1	**1**	2	**2**	8	**9**	3	**4**
Non Fatal Injury	58	**66**	42	**45**	58	**72**	41	**47**	44	**49**	49	**56**
PDO	7		12		15		12		12		12	
Total	68	**69**	57	**48**	74	**73**	55	**49**	64	**58**	64	**59**
County Ranking	**34**		**52**		**45**		**62**		**41**			

General Information

		Ranking 2018	Ranking 2019
Population (2018)	202,683	8	9
Registered Vehicles (2018)	193,058	10	10
Estimated Avg. Annual Miles Traveled (100 MVMT) (2018)	18.61	15	16

Crash Rates

(Based on a 3 Year Average of All Reported Crashes)

Total Crash Rate (/100 MVMT)	436.38	3	2
Fatal Crash Rate (/100 MVMT)	1.15	81	66
Non Fatal Injury Crash Rate (/100 MVMT)	93.03	4	3
Crash Injuries Per 1000 People	12.62	43	30
Fatal Crash Injuries Per 1000 People	0.11	96	91
Crashes Per 1000 Reg. Veh.	42.06	15	13
Fatal Crashes Per 1000 Reg. Veh.	0.11	92	76
Percent Alcohol Related Crashes	4.1%	55	57
Severity Index	3.16	94	93

$$ Comprehensive Crash Cost $$

(Based on a 3 Year Average of All Reported Crashes in 2018 Dollars)

		Ranking 2018	Ranking 2019
Average Annual Cost	$550,931,133	15	14
Average Cost Per Crash	$67,854	96	91
Average Cost Per Person	$2,718	94	76
Average Cost Per Vehicle	$2,854	72	54
Average Cost / 100 Miles Traveled	$29.61	57	39

Time To Next....

Crash	1.1 Hours
Fatal Injury	392.2 Hours
Injury	3.4 Hours
Crash Cost Per Hour	$62,892

Brunswick County

Reportable	2015 Crashes	2015 Injuries	2016 Crashes	2016 Injuries	2017 Crashes	2017 Injuries	2018 Crashes	2018 Injuries	2019 Crashes	2019 Injuries	5 Year Avg. Crashes	5 Year Avg. Injuries
Fatal	10	**12**	15	**16**	28	**30**	22	**24**	19	**21**	19	**21**
Non Fatal Injury	751	**1,152**	689	**1,035**	747	**1,165**	743	**1,154**	769	**1,203**	740	**1,142**
PDO	1,711		1,926		1,957		2,087		2,169		1,970	
Total	2,472	**1,164**	2,630	**1,051**	2,732	**1,195**	2,852	**1,178**	2,957	**1,224**	2,729	**1,162**
Alcohol Related Crashes												
Fatal	4	**6**	3	**3**	10	**12**	8	**10**	6	**8**	6	**8**
Non Fatal Injury	52	**67**	61	**83**	58	**86**	64	**100**	64	**84**	60	**84**
PDO	52		70		57		79		77		67	
Total	108	**73**	134	**86**	125	**98**	151	**110**	147	**92**	133	**92**
Percent Alcohol Related												
Fatal	40.0%	**50.0%**	20.0%	**18.8%**	35.7%	**40.0%**	36.4%	**41.7%**	31.6%	**38.1%**	33.0%	**37.9%**
Non Fatal Injury	6.9%	**5.8%**	8.9%	**8.0%**	7.8%	**7.4%**	8.6%	**8.7%**	8.3%	**7.0%**	8.1%	**7.4%**
Total	4.4%	**6.3%**	5.1%	**8.2%**	4.6%	**8.2%**	5.3%	**9.3%**	5.0%	**7.5%**	4.9%	**7.9%**
Pedestrian Crashes												
Fatal	0	**0**	3	**3**	3	**3**	2	**2**	3	**3**	2	**2**
Non Fatal Injury	15	**18**	10	**10**	16	**17**	12	**16**	9	**9**	12	**14**
PDO	0		1		0		0		0		0	
Total	15	**18**	14	**13**	19	**20**	14	**18**	12	**12**	15	**16**
Bicycle Crashes												
Fatal	1	**1**	0	**0**	2	**2**	0	**0**	1	**1**	1	**1**
Non Fatal Injury	7	**9**	9	**10**	15	**16**	7	**7**	9	**10**	9	**10**
PDO	0		0		0		0		1		0	
Total	8	**10**	9	**10**	17	**18**	7	**7**	11	**11**	10	**11**
Motorcycle Crashes												
Fatal	1	**1**	0	**0**	2	**2**	3	**3**	2	**2**	2	**2**
Non Fatal Injury	35	**41**	22	**25**	31	**35**	25	**25**	27	**29**	28	**31**
PDO	2		3		5		4		9		5	
Total	38	**42**	25	**25**	38	**37**	32	**28**	38	**31**	34	**33**
County Ranking	**90**		**89**		**76**		**69**		**51**			

General Information

		Ranking 2018	Ranking 2019
Population (2018)	107,429	23	25
Registered Vehicles (2018)	136,713	20	20
Estimated Avg. Annual Miles Traveled (100 MVMT) (2018)	17.84	21	19

Crash Rates

(Based on a 3 Year Average of All Reported Crashes)

Total Crash Rate (/100 MVMT)	213.32	68	71
Fatal Crash Rate (/100 MVMT)	1.29	52	51
Non Fatal Injury Crash Rate (/100 MVMT)	44.07	82	84
Crash Injuries Per 1000 People	11.52	74	45
Fatal Crash Injuries Per 1000 People	0.23	43	23
Crashes Per 1000 Reg. Veh.	27.84	55	52
Fatal Crashes Per 1000 Reg. Veh.	0.17	44	38
Percent Alcohol Related Crashes	4.5%	40	39
Severity Index	4.30	56	51

$$ Comprehensive Crash Cost $$

(Based on a 3 Year Average of All Reported Crashes in 2018 Dollars)

		Ranking 2018	Ranking 2019
Average Annual Cost	$419,378,600	24	22
Average Cost Per Crash	$110,170	51	47
Average Cost Per Person	$3,904	47	20
Average Cost Per Vehicle	$3,068	49	46
Average Cost / 100 Miles Traveled	$23.50	66	71

Time To Next....

Crash	2.3 Hours
Fatal Injury	350.4 Hours
Injury	7.1 Hours
Crash Cost Per Hour	$47,874

DRAFT

Pender County

Reportable	2015 Crashes	2015 Injuries	2016 Crashes	2016 Injuries	2017 Crashes	2017 Injuries	2018 Crashes	2018 Injuries	2019 Crashes	2019 Injuries	5 Year Avg. Crashes	5 Year Avg. Injuries
Fatal	12	**13**	14	**17**	14	**16**	25	**28**	18	**20**	17	**19**
Non Fatal Injury	405	**717**	407	**670**	418	**633**	386	**616**	471	**735**	417	**674**
PDO	1,054		1,128		1,230		1,100		1,117		1,126	
Total	1,471	**730**	1,549	**687**	1,662	**649**	1,511	**644**	1,606	**755**	1,560	**693**
Alcohol Related Crashes												
Fatal	2	**3**	5	**5**	2	**2**	9	**10**	5	**5**	5	**5**
Non Fatal Injury	36	**51**	37	**64**	38	**50**	35	**62**	47	**68**	39	**59**
PDO	39		35		38		31		48		38	
Total	77	**54**	77	**69**	78	**52**	75	**72**	100	**73**	81	**64**
Percent Alcohol Related												
Fatal	16.7%	**23.1%**	35.7%	**29.4%**	14.3%	**12.5%**	36.0%	**35.7%**	27.8%	**25.0%**	27.7%	**26.6%**
Non Fatal Injury	8.9%	**7.1%**	9.1%	**9.6%**	9.1%	**7.9%**	9.1%	**10.1%**	10.0%	**9.3%**	9.2%	**8.8%**
Total	5.2%	**7.4%**	5.0%	**10.0%**	4.7%	**8.0%**	5.0%	**11.2%**	6.2%	**9.7%**	5.2%	**9.2%**
Pedestrian Crashes												
Fatal	1	**1**	3	**4**	1	**1**	4	**4**	0	**0**	2	**2**
Non Fatal Injury	7	**7**	3	**5**	4	**4**	10	**16**	10	**10**	7	**8**
PDO	1		0		1		0		0		0	
Total	9	**8**	6	**9**	6	**5**	14	**20**	10	**10**	9	**10**
Bicycle Crashes												
Fatal	0	**0**	2	**2**	0	**0**	0	**0**	0	**0**	0	**0**
Non Fatal Injury	2	**2**	8	**10**	1	**1**	1	**1**	1	**1**	3	**3**
PDO	1		0		0		1		0		0	
Total	3	**2**	10	**12**	1	**1**	2	**1**	1	**1**	3	**3**
Motorcycle Crashes												
Fatal	0	**0**	1	**2**	3	**3**	4	**5**	1	**1**	2	**2**
Non Fatal Injury	20	**24**	18	**24**	25	**30**	18	**24**	17	**21**	20	**25**
PDO	1		7		5		1		1		3	
Total	21	**24**	26	**26**	33	**33**	23	**29**	19	**22**	24	**27**
County Ranking	**15**		**18**		**21**		**25**		**15**			

General Information

		Ranking 2018	Ranking 2019
Population (2018)	**52,198**	**45**	**52**
Registered Vehicles (2018)	**66,912**	**43**	**43**
Estimated Avg. Annual Miles Traveled (100 MVMT) (2018)	**9.43**	**38**	**37**

Crash Rates

(Based on a 3 Year Average of All Reported Crashes)

Total Crash Rate (/100 MVMT)	**225.73**	**59**	**69**
Fatal Crash Rate (/100 MVMT)	**2.05**	**13**	**15**
Non Fatal Injury Crash Rate (/100 MVMT)	**46.43**	**79**	**80**
Crash Injuries Per 1000 People	**13.37**	**45**	**24**
Fatal Crash Injuries Per 1000 People	**0.42**	**6**	**3**
Crashes Per 1000 Reg. Veh.	**31.83**	**41**	**39**
Fatal Crashes Per 1000 Reg. Veh.	**0.29**	**6**	**7**
Percent Alcohol Related Crashes	**4.5%**	**60**	**36**
Severity Index	**4.30**	**51**	**52**

$$ Comprehensive Crash Cost $$

(Based on a 3 Year Average of All Reported Crashes in 2018 Dollars)

		Ranking 2018	Ranking 2019
Average Annual Cost	**$297,502,933**	**31**	**29**
Average Cost Per Crash	**$139,695**	**21**	**22**
Average Cost Per Person	**$5,700**	**8**	**2**
Average Cost Per Vehicle	**$4,446**	**10**	**8**
Average Cost / 100 Miles Traveled	**$31.53**	**22**	**26**

Time To Next....

Crash	**4.1**	**Hours**
Fatal Injury	**404.3**	**Hours**
Injury	**12.6**	**Hours**
Crash Cost Per Hour	**$33,962**	

This page intentionally left blank

HOT SPOT ANALYSIS

DRAFT

Hot Spot Analysis Note:

The hotspot analysis is a planning-level screening that identifies potentially deficient intersections based on peak season traffic and a series of assumptions about peaking (K-factor), directionality (D-factor), and signal timing. While it still uses the same grading system, this analysis differs from a traditional TIA in that it is not nearly as detailed. The intent of the hotspot map is to help identify corridors with potential improvement needs, or identify study intersections for a TIA.

HOT SPOT SEVERITY DETAILS

#	Corridor	Limits	Intersection Number	Cross Street	NB/EB Severity	SB/WB Severity
1	Market Street	3rd Street to College Road	1	3rd St	3	3
1	Market Street	3rd Street to College Road	2	5th Ave	2	2
1	Market Street	3rd Street to College Road	3	10th St	2	2
1	Market Street	3rd Street to College Road	4	16th St	3	6
1	Market Street	3rd Street to College Road	5	17th St	3	6
1	Market Street	3rd Street to College Road	6	23rd St	3	3
1	Market Street	3rd Street to College Road	7	Forest Hills Dr	3	3
1	Market Street	3rd Street to College Road	8	Covil Ave	4	4
1	Market Street	3rd Street to College Road	9	Barclay Hill Dr	3	3
1	Market Street	3rd Street to College Road	10	Cinema Dr	3	3
1	Market Street	3rd Street to College Road	11	Kerr Ave	6	6
1	Market Street	3rd Street to College Road	12	Wilmington Ave	6	6
1	Market Street	3rd Street to College Road	13	Lullwater Dr	6	6
1	Market Street	3rd Street to College Road	14	New Center Dr	6	6
1	Market Street	3rd Street to College Road	15	Gingerwood Dr/ College Rd	4	3
2	Market Street	College Road to NC 140	1	College Rd	3	3
2	Market Street	College Road to NC 140	2	MLK Jr Pkwy/ Eastwood Rd	4	6
2	Market Street	College Road to NC 140	3	Cardinal Dr	3	6
2	Market Street	College Road to NC 140	4	Green Meadows Dr	3	6
2	Market Street	College Road to NC 140	5	Gordon Rd	6	6
2	Market Street	College Road to NC 140	6	Military Cutoff Rd	3	4
2	Market Street	College Road to NC 140	7	Middle Sound Loop Rd	6	6
2	Market Street	College Road to NC 140	8	Bayshore Dr	3	6
2	Market Street	College Road to NC 140	9	Marsh Oaks Dr	3	3
2	Market Street	College Road to NC 140	10	Porter Neck Rd	4	6
2	Market Street	College Road to NC 140	11	Wal-Mart Dwy	3	6
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	1	3rd St	N/A	3
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	2	5th Ave	N/A	2
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	3	10th St	N/A	2
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	4	16th St	N/A	2
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	5	17th St	N/A	2
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	6	Dawson St	N/A	3
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	7	Country Club Rd	2	2
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	8	Independence Blvd	3	5
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	9	Fordham Rd	2	2
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	10	Lincoln Rd/ Audubon Blvd	2	2
3	Oleander Drive	Cape Fear Memorial Bridge (Wooster+Oleander) to Treadwell Street	11	College Rd	3	3
3	Oleander Drive	Cape Fear Memorial Bridge (Dawson) to Treadwell Street	1	3rd St	6	N/A
3	Oleander Drive	Cape Fear Memorial Bridge (Dawson) to Treadwell Street	2	5th Ave	2	N/A
3	Oleander Drive	Cape Fear Memorial Bridge (Dawson) to Treadwell Street	3	10th St	2	N/A
3	Oleander Drive	Cape Fear Memorial Bridge (Dawson) to Treadwell Street	4	16th St	3	N/A
3	Oleander Drive	Cape Fear Memorial Bridge (Dawson) to Treadwell Street	5	17th St	3	N/A
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	1	Pine Grove Dr	3	3
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	2	Greenville Loop Rd	3	6

DRAFT

HOT SPOT SEVERITY DETAILS

#	Corridor	Limits	Intersection Number	Cross Street	NB/EB Severity	SB/WB Severity
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	3	Airlie Rd/ Wrightsville Ave	4	4
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	4	Wrightsville Ave (North of previous)	3	4
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	5	Eastwood Rd	6	6
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	6	Parker Farm Dr	2	3
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	7	Sir Tyler Dr	3	2
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	8	Station Rd/ McCumber Station Rd	3	3
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	9	Arboretum Dr	2	3
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	10	Covil Farm Rd	2	3
4	Oleander Dr/ Military Cutoff Rd	Treadwell Street to Gordon Road	11	Gordon Rd	3	3
5	Shipyard Blvd	River Road to College Road	1	River Rd	N/A	1
5	Shipyard Blvd	River Road to College Road	2	Carolina Beach Rd	3	3
5	Shipyard Blvd	River Road to College Road	3	17th St	3	3
5	Shipyard Blvd	River Road to College Road	4	Independence Blvd	3	4
5	Shipyard Blvd	River Road to College Road	5	Longstreet Dr	2	2
5	Shipyard Blvd	River Road to College Road	6	41st St	2	2
5	Shipyard Blvd	River Road to College Road	7	College Rd	3	N/A
6	Front Street	Lake Shore Drive to Cape Fear Memorial Bridge	1	Cape Fear Memorial Bridge	1	1
6	Front Street	Lake Shore Drive to Cape Fear Memorial Bridge	2	RxR tracks	1	1
6	Front Street	Lake Shore Drive to Cape Fear Memorial Bridge	3	Burnett Blvd	6	6
8	Carolina Beach Rd	Lake Shore Dr to College Rd	1	College Rd	3	4
8	Carolina Beach Rd	Lake Shore Dr to College d	2	Antoinette Dr	2	3
8	Carolina Beach Rd	Lake Shore Dr to College Rd	3	Shade Tree Ln	3	3
8	Carolina Beach Rd	Lake Shore Dr to College Rd	4	Silva Terra Dr	3	3
8	Carolina Beach Rd	Lake Shore Dr to College Rd	5	George Anderson Dr	2	2
8	Carolina Beach Rd	Lake Shore Dr to College Rd	6	Independence Blvd	5	6

HOT SPOT SEVERITY DETAILS

#	Corridor	Limits	Intersection Number	Cross Street	NB/EB Severity	SB/WB Severity
8	Carolina Beach Rd	Lake Shore Dr to College Rd	7	Raleigh St	3	3
8	Carolina Beach Rd	Lake Shore Dr to College Rd	8	Shipyard Blvd	5	6
8	Carolina Beach Rd	Lake Shore Dr to College Rd	9	Medical Center Dr	3	2
8	Carolina Beach Rd	Lake Shore Dr to College Rd	10	Southern Blvd	3	2
8	Carolina Beach Rd	Lake Shore Dr to College Rd	11	Central Blvd	2	3
8	Carolina Beach Rd	Lake Shore Dr to College Rd	12	Northern Blvd	3	3
9	College Road	Gordon Road to Wilshire Blvd	1	Wilshire Blvd	3	3
9	College Road	Gordon Road to Wilshire Blvd	2	Hoggard Dr/ Hurst Dr	3	3
9	College Road	Gordon Road to Wilshire Blvd	3	University Dr	3	3
9	College Road	Gordon Road to Wilshire Blvd	4	Randall Pkwy	6	6
9	College Road	Gordon Road to Wilshire Blvd	5	University Commons	3	3
9	College Road	Gordon Road to Wilshire Blvd	6	New Center Dr	6	6
9	College Road	Gordon Road to Wilshire Blvd	7	Oriole Dr	3	2
9	College Road	Gordon Road to Wilshire Blvd	8	Ringo Dr	6	3
9	College Road	Gordon Road to Wilshire Blvd	9	MLK Jr Pkwy/ US 74	4	3
9	College Road	Gordon Road to Wilshire Blvd	10	Kings Dr	3	3
10	College Road	Wilshire Blvd to Pinecliff Drive	1	Pinecliff Dr	2	2
10	College Road	Wilshire Blvd to Pinecliff Drive	2	17th St	3	3
10	College Road	Wilshire Blvd to Pinecliff Drive	3	Bragg Dr	2	2
10	College Road	Wilshire Blvd to Pinecliff Drive	4	Pine Valley Dr	2	4
10	College Road	Wilshire Blvd to Pinecliff Drive	5	Holly Tree Rd	3	2
10	College Road	Wilshire Blvd to Pinecliff Drive	6	Shipyard Blvd	3	4
10	College Road	Wilshire Blvd to Pinecliff Drive	7	Lake Ave	3	6
10	College Road	Wilshire Blvd to Pinecliff Drive	8	Oleander Dr	6	6
10	College Road	Wilshire Blvd to Pinecliff Drive	9	Kerr Ave	6	6
10	College Road	Wilshire Blvd to Pinecliff Drive	10	Wrightsville Ave	6	6
10	College Road	Wilshire Blvd to Pinecliff Drive	11	Wilshire Blvd	6	6
11	College Road/ Carolina Beach Rd	Pinecliff Drive to Sanders Road	1	Sanders Rd	6	6
11	College Road/ Carolina Beach Rd	Pinecliff Drive to Sanders Road	2	Frontage Rd	2	6
11	College Road/ Carolina Beach Rd	Pinecliff Drive to Sanders Road	3	US 421/ Pine Rd	6	2
11	College Road/ Carolina Beach Rd	Pinecliff Drive to Sanders Road	4	Wal-Mart Dwy	2	2
11	College Road/ Carolina Beach Rd	Pinecliff Drive to Sanders Road	5	Mohican Tr	2	2

DRAFT

HOT SPOT SEVERITY DETAILS

#	Corridor	Limits	Intersection Number	Cross Street	NB/EB Severity	SB/WB Severity
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	1	College Rd	6	6
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	2	Wrightsville Ave	3	6
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	3	Wilshire Blvd	3	6
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	4	Randall Pkwy	4	5
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	5	Cinema Dr	3	3
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	6	Market St	5	5
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	7	Wilmington Ave/ Birchwood Dr	3	3
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	8	New Centre Dr/ Sunglow Dr	3	2
13	Kerr Avenue	US74/MLK Jr Pkwy to College Rd	9	MLK Jr Pkwy	4	4
14	US 74/MLK Jr Parkway/ Eastwood Road	College Road to Military Cutoff Road	1	College Rd	3	3
14	US 74/MLK Jr Parkway/ Eastwood Road	College Road to Military Cutoff Road	2	Market St	3	4
14	US 74/MLK Jr Parkway/ Eastwood Road	College Road to Military Cutoff Road	3	Racine Dr	3	3
14	US 74/MLK Jr Parkway/ Eastwood Road	College Road to Military Cutoff Road	4	Cardinal Dr	2	3
14	US 74/MLK Jr Parkway/ Eastwood Road	College Road to Military Cutoff Road	5	Rogersville Rd/ Bay Creek Dr	2	3
14	US 74/MLK Jr Parkway/ Eastwood Road	College Road to Military Cutoff Road	6	Military Cutoff Rd	3	3
15	Randall Parkway	Covil Avenue/Independence Blvd to College Road	1	Independence Blvd	3	3
15	Randall Parkway	Covil Avenue/Independence Blvd to College Road	2	Kerr Ave	3	3
15	Randall Parkway	Covil Avenue/Independence Blvd to College Road	3	College Rd	6	3
16	US 74/76	Maco Rd to US17/Ocean Hwy	1	Maco Rd	2	2
16	US 74/76	Maco Rd to US17/Ocean Hwy	2	I-40 North Ramp	1	1
16	US 74/76	Maco Rd to US17/Ocean Hwy	3	I-40 South Ramp	1	1
16	US 74/76	Maco Rd to US17/Ocean Hwy	4	US 17/ US 74 interchange	1	1
17	US17/Ocean Hwy	Lanvalle Road to Cape Fear Memorial Bridge	1	Lanvale Rd	2	2

HOT SPOT SEVERITY DETAILS

#	Corridor	Limits	Intersection Number	Cross Street	NB/EB Severity	SB/WB Severity
17	US 17/Ocean Highway	Lanvalle Road to Cape Fear Memorial Bridge	2	Gate Dr/ Grandiflora Dr	2	2
17	US 17/Ocean Highway	Lanvalle Road to Cape Fear Memorial Bridge	3	Waterford Business Center Way	2	2
17	US 17/Ocean Highway	Lanvalle Road to Cape Fear Memorial Bridge	4	Olde Waterford Way	2	2
17	US 17/Ocean Highway	Lanvalle Road to Cape Fear Memorial Bridge	5	US 17/ US 74 interchange	1	1
19	US 17/74/76	NC 133 Split to 5th Avenue (Wooster St.)	1	Cape Fear Memorial Bridge	1	1
19	US 17/74/76	NC 133 Split to 5th Avenue (Wooster St.)	2	3rd St	N/A	1
19	US 17/74/76	NC 133 Split to 5th Avenue (Wooster St.)	3	5th Ave	N/A	1
19	US 17/74/76	NC 133 Split to 5th Avenue (Dawson St.)	4	3rd St	3	N/A
19	US 17/74/76	NC 133 Split to 5th Avenue (Dawson St.)	5	5th Ave	1	N/A
21	US 117/College Road	Holly Shelter Road to Gordon Road	1	Gordon Rd	3	3
21	US 117/College Road	Holly Shelter Road to Gordon Road	2	Kerr Ave/ Murrayville Rd	4	3
21	US 117/College Road	Holly Shelter Road to Gordon Road	3	Danny Pence Dr	6	6
21	US 117/College Road	Holly Shelter Road to Gordon Road	4	Northchase Pkwy SE	6	6
21	US 117/College Road	Holly Shelter Road to Gordon Road	5	Northchase Pkwy W	6	6
21	US 117/College Road	Holly Shelter Road to Gordon Road	6	Blue Clay Rd	6	2
21	US 117/College Road	Holly Shelter Road to Gordon Road	7	Castle Hayne Rd	1	2
21	US 117/College Road	Holly Shelter Road to Gordon Road	8	Holly Shelter Rd	3	3
22	Gordon Road	I-40 to Military Cutoff Road	1	College Rd/ I40	3	6
22	Gordon Road	I-40 to Military Cutoff Road	2	Harris Rd	6	6
22	Gordon Road	I-40 to Military Cutoff Road	3	White Rd	6	6
22	Gordon Road	I-40 to Military Cutoff Road	4	Netherland Dr	3	6
22	Gordon Road	I-40 to Military Cutoff Road	5	Market St	4	3
22	Gordon Road	I-40 to Military Cutoff Road	6	Military Cutoff Rd	3	N/A
23	US17/Market St	NC140 to Washington Acres Rd	1	Old Market St	2	2

DRAFT

HOT SPOT ANALYSIS

HOT SPOT SEVERITY DETAILS

#	Corridor	Limits	Intersection Number	Cross Street	NB/EB Severity	SB/WB Severity
23	US17/Market St	NC140 to Washington Acres Rd	2	Plantation Landing Dr	2	2
23	US17/Market St	NC140 to Washington Acres Rd	3	Washington Acres	2	1
24	US 17/NC 210	Washington Acres Road to Sloop Point Road	1	Washington Acres	2	2
24	US 17/NC 210	Washington Acres Road to Sloop Point Road	2	Dan Oven Dr	2	2
24	US 17/NC 210	Washington Acres Road to Sloop Point Road	3	Hoover Rd	2	2
24	US 17/NC 210	Washington Acres Road to Sloop Point Road	4	Country Club Dr	2	2
24	US 17/NC 210	Washington Acres Road to Sloop Point Road	5	Sloop point loop Rd	2	2
24	US 17/NC 210	Washington Acres Road to Sloop Point Road	6	Sloop Point Rd	2	2
26	US 421/Carolina Beach Rd	Sanders Rd to Snows Cut Bridge	1	Dow Rd	3	4
26	US 421/Carolina Beach Rd	Sanders Rd to Snows Cut Bridge	2	River Rd/ Seabreeze Rd	2	3
26	US 421/Carolina Beach Rd	Sanders Rd to Snows Cut Bridge	3	Myrtle Grove Rd	3	3
26	US 421/Carolina Beach Rd	Sanders Rd to Snows Cut Bridge	4	Halyburton Pkwy	3	3
26	US 421/Carolina Beach Rd	Sanders Rd to Snows Cut Bridge	5	Sanders Rd	4	6
27	US 421/Lake Park Blvd	Snows Cut Bridge to End of US 421	1	K Ave	1	1
27	US 421/Lake Park Blvd	Snows Cut Bridge to End of US 421	2	Cape Fear Blvd	1	1
27	US 421/Lake Park Blvd	Snows Cut Bridge to End of US 421	3	Harper Ave	1	1
27	US 421/Lake Park Blvd	Snows Cut Bridge to End of US 421	4	Carl Winner Dr	1	1
27	US 421/Lake Park Blvd	Snows Cut Bridge to End of US 421	5	Dow Rd	2	2
29	Village Road	US 17/74/76 to Town Hall Drive	1	Navassa Rd	1	1
29	Village Road	US 17/74/76 to Town Hall Drive	2	Village Rd/ Fairview Rd	1	1
30	Independence Blvd/Covil Ave	US 421 to Market Street	1	Carolina Beach Rd	3	3
30	Independence Blvd/Covil Ave	US 421 to Market Street	2	17th St	3	3

HOT SPOT SEVERITY DETAILS

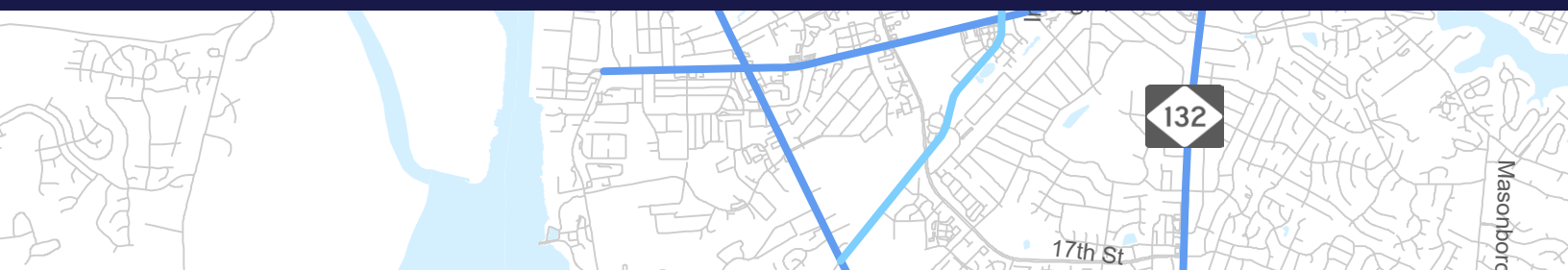
#	Corridor	Limits	Intersection Number	Cross Street	NB/EB Severity	SB/WB Severity
30	Independence Blvd/Covil Ave	US 421 to Market Street	3	Shipyard Blvd	3	2
30	Independence Blvd/Covil Ave	US 421 to Market Street	4	Oleander Dr	3	2
30	Independence Blvd/Covil Ave	US 421 to Market Street	5	Park Ave	2	1
30	Independence Blvd/Covil Ave	US 421 to Market Street	6	Wrightsville Ave	2	2
30	Independence Blvd/Covil Ave	US 421 to Market Street	7	Randall Pkwy	2	2
30	Independence Blvd/Covil Ave	US 421 to Market Street	8	Market St	3	2

Severity	NB/EB	SB/WB
1	15	18
2	42	44
3	70	52
4	11	11
5	3	3
6	26	39
N/A	9	9
Total	176	176

| 2020 BIENNIAL DATA REPORT | APPENDIX
98

DRAFT

2018 CARRYOVER HOTSPOTS						
#	Corridor	Limits	Intersection Number	Cross Street	Hotspots	Reference
7	3rd Street	W Lake Shore to Wooster St	1	Wooster	1	2018 CMP
7	3rd Street	W Lake Shore to Wooster St	2	Front St/Carolina Beach Road	1	2018 CMP
12	17th/16th Street	Market St to College Road	1	Market St	1	Segment 1 Intersection 5
12	17th/16th Street	Market St to College Road	1	Shipyard Blvd	1	2018 CMP
18	NC 133/ River Road	Us 17/74/76 to Rabon Way	1	US 74	1	2018 CMP
18	NC 133/ River Road	Us 17/74/76 to Rabon Way	2	Blackwell Road	1	2018 CMP
20	US421/NC 133	US74 Split to 3rd Street	1	3rd St	1	2018 CMP
20	US421/NC 133	US74 Split to 3rd Street	2	US 421	1	2018 CMP
25	Eastwood Road/ US76/Causeway Drive	Military Cutoff Rd to Lumina Ave	1	Military Cutoff Road	1	2018 CMP
25	Eastwood Road/ US76/Causeway Drive	Military Cutoff Rd to Lumina Ave	2	Landfall Entrance	1	2018 CMP
25	Eastwood Road/ US76/Causeway Drive	Military Cutoff Rd to Lumina Ave	3	Heide Trask Drawbridge	1	2018 CMP
28	Pine Grove Drive	College Road to Masonboro Sound Rd	1	Oleander Drive	1	2018 CMP
28	Pine Grove Drive	College Road to Masonboro Sound Rd	1	Greenville Loop Road	1	2018 CMP
28	Pine Grove Drive	College Road to Masonboro Sound Rd	1	Holly Tree Road	1	2018 CMP
28	Pine Grove Drive	College Road to Masonboro Sound Rd	2	Beasley Road	1	2018 CMP

This page intentionally left blank

WMPO
305 Chestnut Street
PO Box 1810
Wilmington, NC 28402
Phone: (910) 341-3258
Fax: (910) 341-7801
www.wmpo.org