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WMPO Bicycle and Pedestrian Advisory Committee Meeting Agenda

TO: WMPO Bicycle and Pedestrian Advisory Committee Members
FROM: Beth Doliboa
DATE: February 18, 2016
SUBJECT: February 25, 2016 Meeting

A meeting of the WMPO Bicycle and Pedestrian Advisory Committee will be held on Thursday, February 25, 2015 at 3 pm. The meeting will be held at LSC Conference Room at City Hall.

The following is the agenda for the meeting:

- 1) Introductions
- 2) Approval of minutes from January 21, 2016
- 3) New Business
 - Sections Draft Schedule [B. Doliboa]
 - Sections Update [B. Doliboa]
 - East Coast Greenway Trail Resolution
 - WMPO 101 [Suraiya Rashid]
 - Bike Month Preparation Presentation [Adrienne Harrington]
- 4) Old Business
 - NC Bike Rules Committee Final Report
- 5) Announcements
 - River to Sea Bicycle Ride
- 6) Adjournment

Wilmington Urban Area Metropolitan Planning Organization

City of Wilmington • Town of Carolina Beach • Town of Kure Beach • Town of Wrightsville Beach
County of New Hanover • Town of Belville • Town of Leland • Town of Navassa • County of Brunswick
County of Pender • Cape Fear Public Transportation Authority • North Carolina Department of Transportation

Attachments:

- January 21, 2016 minutes
- Sections Map
- Sections Schedule
- Updated BikePed Projects List
- Section 3 Map
- Section 3 Project List
- East Coast Greenway Trail Resolution
- East Coast Greenway River Road Map
- WMPO 101 Handout
- NC Bike Rules Committee Final Report

Meeting Minutes
Wilmington Urban Area Metropolitan Planning Organization
Bicycle and Pedestrian Advisory Committee
Date: January 21, 2016

Members Present:

Chris O'Keefe, Committee Chairman/NHC Planning and Inspections
Al Sharp, City of Wilmington
Steve Whitney, Brunswick County
Al Schroetel, Cape Fear Cyclist
Trey Burke, Town of Navassa
Katie Ryan, Wrightsville Beach
Tom Campbell, Carolina Beach
Karen Mills, City of Wilmington
Shawn Spencer, New Hanover County
Matt Hogan, NC Board of Transportation

Additional Guests:

Beth Doliboa, WMPO
Josh Lopez, WMPO
Adrienne Harrington, WMPO TDM
Bethel Paris, East Coast Greenway
Patrick Riddle, NCDOT
Adam Snipes, NCDOT

1. Introductions

- The committee did a round of introductions and Mrs. Harrington introduced her new position as the Transportation Demand Manager and explained the position's responsibilities. Mr. O'Keefe brought up discussion of making a TDM BikePed Committee Member position for Mrs. Harrington.

2. Approval of Minutes from December 17, 2015

- Motion made to amend minutes by correcting date in "Next Meeting" from 2015 to 2016. Also Patrick Riddle attended December meeting and needs added to "Additional Guest". Motion to approve the minutes for December 17, 2015 with changes presented, motion seconded and it carried unanimously.

3. New Business

- Section Update Instructions – Ms. Doliboa presented the committee with the instructions on how the sections will be evaluated each month, what key points to look for and what to consider when reprioritizing.
- Sections Activity - Mr. Doliboa suggested Trey Burke to lead in reviewing Section 1. Mr. Burke proposed swapping low ranked projects 358 and 535 with medium ranked projects 153 and 152, projects 358 and 535 are north of I-140 and could be utilized more for bike/ped

uses as opposed to 153 and 152 that are located south of I-140. Cape Fear River and I-140 were proposed as choke points. Mr. Whitney proposed projects 331 and 536 for higher ranking due to the connection to the Ball Park and shopping area. Ms. Doliboa suggest finding two projects to balance the list, and suggest making 147 a lower priority, which lead to discussion of 109 being suggested for a lower priority. Mr. O'Keefe suggests going thru high priority projects during our next section review. Mrs. Harrington recapped how the voting process was done during the 2014-2015 reviews to answer questions regarding low priority projects and was followed by comments suggesting an aerial map or access to google maps, in addition to the section map for next month's review.

4. Old Business

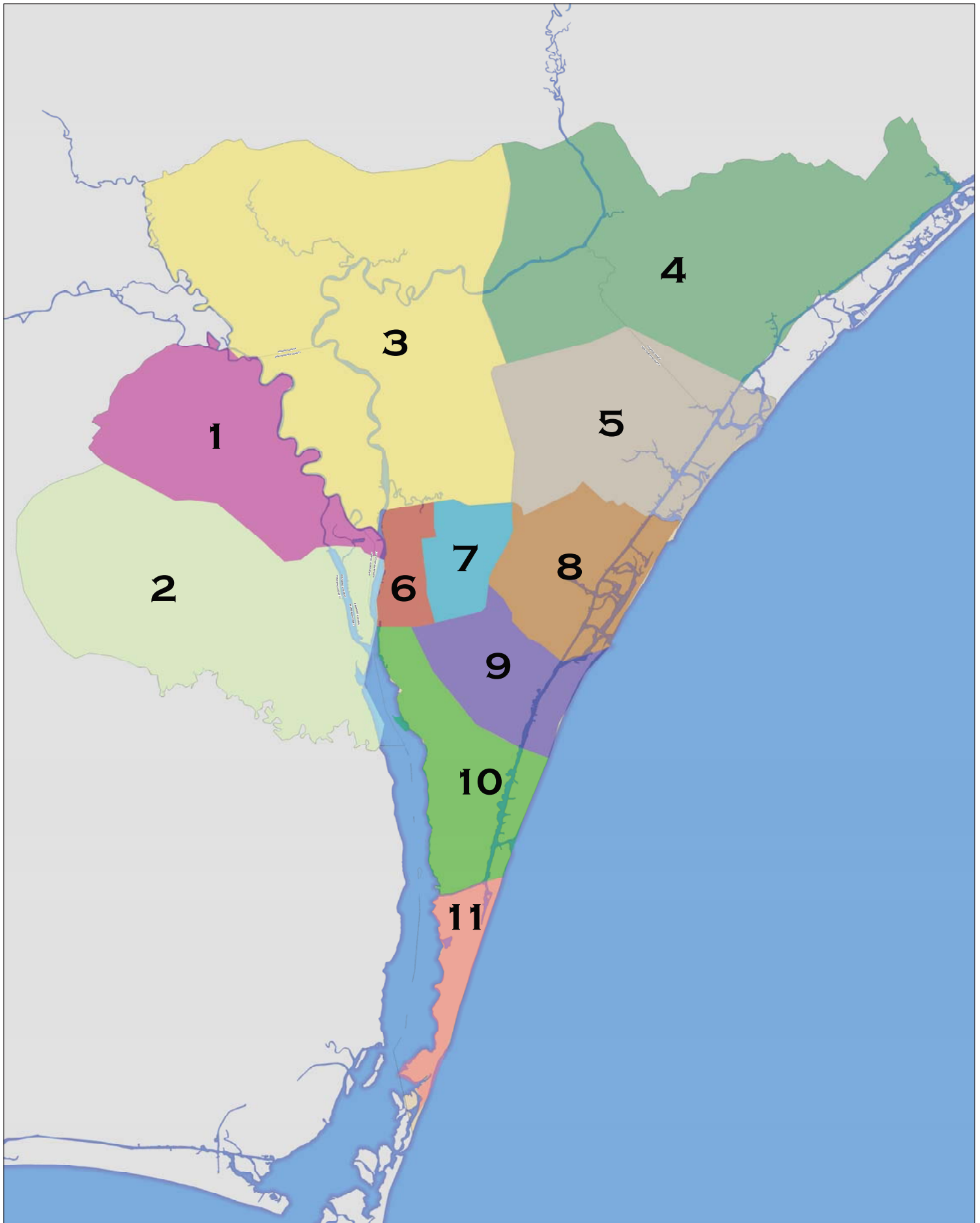
- WMPO BikePed Committee 2016 Work Plan Project Descriptions – Ms. Doliboa did a quick overview of items that were added in the revised 2016 Work Plan.
- NC Bike Rules Committee Final Report – Mr. O'Keefe proposed to put this off until February's BikePed Committee meeting.
- Volunteers for River to Sea – Mr. O'Keefe asked if anyone is available to volunteer for River to Sea Bike Ride. Ms. Doliboa passed around a sign-up sheet for volunteers.

5. Next meeting

- March 24, 2016

6. Adjournment

THE ABOVE MINUTES ARE NOT A VERBATIM RECORD OF THE PROCEEDINGS THE ENTIRE PROCEEDINGS ARE RECORDED ON A COMPLACT DISC AS PART OF THIS RECORD.





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TO: WMPO BikePed Committee Members
FROM: Beth Doliboa, Associate Transportation Planner
DATE: February 15, 2016
SUBJECT: **Draft Section Review Schedule**

BikePed Committee Meeting	Section Review
21-Jan	Section 1
25-Feb	Section 3
24-Mar	Section 2
28-Apr	Section 4
26-May	Section 5
23-Jun	Section 6
July – no meeting	N/A
25-Aug	Section 7
22-Sep	Section 8
27-Oct	Section 9
17-Nov	Section 10
15-Dec	Section 11

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UPDATED BICYCLE AND PEDESTIRAN PROJECT RANKING AND FUNDING LIST

ID	NAME	FROM	TO	MTP	COST EST.	PRIORITY
1	17TH STREET S.	HOSPITAL PLAZA DRIVE	INDEPENDENCE BLVD	YES	\$1,040,000	HIGH
2	PEACHTREE AVENUE	PARK AVE	MACMILLIAN	YES	\$209,000	HIGH
3	COLLEGE RD N	NEW TOWN RD	DANNY PENCE DR	YES	\$148,000	HIGH
4	WOOSTER STREET	S. 8TH AVE	OLEANDER DRIVE	YES	\$113,000	HIGH
5	WILSHIRE BLV	WRIGHTSVILLE AVE	KERR AVE	YES	\$1,927,373	HIGH
6	COLLEGE RD & WILSHIRE BLVD	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
7	5TH AVE	ANN ST	GREENFIELD LAKE PARK	YES	\$2,019,902	HIGH
8	COLLEGE RD	HURST DR	RANDALL PKWY	YES	\$1,205,554	HIGH
9	5TH AVE	RAIL LINE NORHT OF CAMBELL ST	ANN ST	YES	\$918,243	HIGH
10	WILSHIRE BLV	KERR AVE	MACMILLAN AVE	YES	\$387,805	HIGH
11	OLEANDER DR & PINE GROVE DR	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
12	COLLEGE RD	WRIGHTSVILLE AVE	WILSHIRE BLVD	YES	\$621,938	HIGH
13	COLLEGE RD & OLEANDER DR	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
14	23RD ST	ONE TREE HILL WAY	PRINCESS PLACE DR	YES	\$1,773,262	HIGH
15	N COLLEGE RD	NE NORTHCHASE PKWY	NEW VILLAGE WAY	YES	\$1,693,962	HIGH
16	NEW CENTRE DR	MARKET ST	COLLEGE RD	YES	\$1,077,931	HIGH
17	MARKET ST & GORDON RD	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
18	CAROLINA BEACH RD & FRONT ST/BURNETT BLV	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
19	INDEPENDENCE BLVD EXTENSION	RANDALL PKWY	SOUTH OF MLK PKWY	YES	\$3,342,752	HIGH
20	HARPER AVE	DOW RD	S 3RD ST	YES	\$1,721,627	HIGH
21	COLLEGE RD	RANDALL PKWY	NEW CENTRE DR	YES	\$943,272	HIGH
22	MILITARY CUTOFF RD & EASTWOOD RD	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
23	DOW RD	CLARENDON AVE	LAKE PARK BLVD	YES	\$1,768,644	HIGH
24	HOSPITAL PLAZA DR PATH	LAKESHORE DRIVE	S 17TH ST	YES	\$416,386	HIGH
25	NEW CENTRE DR	COLLEGE RD	PROPOSED TRAIL TO CLEAR RUN DR	YES	\$814,801	HIGH
26	SHIPYARD BLVD	RIVER RD	CAROLINA BEACH RD	YES	\$1,611,069	HIGH
27	N COLLEGE RD	NEW VILLAGE WAY	BAVARIAN LN	YES	\$899,470	HIGH
28	COLLEGE RD & NEW CENTRE DR	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
29	MEDICAL CENTER DR	CAROLINA BEACH RD	S 17TH ST	YES	\$1,665,384	HIGH
30	RACINE DR	RANDALL DR	EASTWOOD RD	YES	\$1,461,236	HIGH
31	SHIPYARD BLVD	INDEPENDENCE BLVD	LONGSTREET DR	YES	\$373,113	HIGH
32	SHIPYARD BLVD & INDEPENDENCE BLVD	INTERSECTION	INTERSECTION	YES	\$83,128	HIGH
33	SHIPYARD BLVD	S 17TH ST	INDEPENDENCE BLVD	YES	\$1,355,721	HIGH
34	CAPE FEAR BLVD	DOW ROAD	LAKE PARK BOULEVARD	YES	\$1,663,493	HIGH
35	EASTWOOD RD & WRIGHTSVILLE AVE	INTERSECTION	INTERSECTION	YES	\$97,858	HIGH
36	SHIPYARD BLVD	CAROLINA BEACH RD	S 17TH ST	YES	\$1,652,846	HIGH
37	VILLAGE RD NE A	WAYNE ST	LOSSEN LN	YES	\$2,099,155	HIGH
38	BURNT MILL CREEK PATH	METTS AVE	MARKET ST	YES	\$448,561	HIGH
39	EASTWOOD RD & CARDINAL DR	INTERSECTION	INTERSECTION	YES	\$97,858	HIGH
40	S 17TH ST	INDEPENDENCE BLVD	SHIPYARD BLVD	YES	\$1,039,439	HIGH
41	BURNT MILL CREEK PATH	COLONIAL DR	METTS AVE	YES	\$650,512	HIGH
42	COLLEGE RD	BLUE CLAY RD	NORTHCHASE PKWY	YES	\$1,044,841	HIGH
43	INDEPENDENCE BLVD	RIVER RD	CAROLINA BEACH RD	YES	\$2,476,442	HIGH
44	INDEPENDENCE BLVD	CAROLINA BEACH RD	S 17TH ST	YES	\$1,517,465	HIGH
45	WRIGHTSVILLE AVE & AIRLIE RD/OLEANDER DR	INTERSECTION	INTERSECTION	YES	\$97,858	HIGH
46	EASTWOOD RD	CARDINAL DR	RACINE DR	YES	\$522,051	HIGH
47	US 17 & OLDE WATERFORD WY/PLOOF RD SE	INTERSECTION	INTERSECTION	YES	\$131,513	HIGH
48	US 17 Frontage Path	PLOOF RD	OCEAN GATE PLAZA	YES	\$401,591	HIGH
49	BURNT MILL CREEK PATH	MARKET ST	ARCHIE BLUE PARK	YES	\$2,897,886	HIGH
50	17TH ST & SHIPYARD BLVD	INTERSECTION	INTERSECTION	YES	\$131,513	HIGH
51	FORT FISHER BLVD	E AVE	N AVE/SEVENTH AVE	YES	\$1,049,162	HIGH
52	OLEANDER DR & GREENVILLE LP RD/GREENVILLE AVE	INTERSECTION	INTERSECTION	YES	\$131,513	HIGH
53	W GATE PARK CONNECTOR	WEST GATE DR	END	YES	\$1,256,593	HIGH
54	K AVE & 421	INTERSECTION	INTERSECTION	YES	\$131,513	HIGH
55	VILLAGE RD	WAYNE ST NE	OAKMONT CT NE	YES	\$516,902	HIGH
56	NE OLD FAYETTEVILLE RD NE	LANVALE RD	PICKETT RD	YES	\$1,912,662	HIGH
57	PINE GROVE RD & GREENVILLE LP RD	INTERSECTION	INTERSECTION	YES	\$131,513	HIGH
58	VILLAGE RD CONNECTOR	LELAND SHOOL RD	LINCOLN RD NE	YES	\$298,727	HIGH
59	US 17 & W GATE DR/GRANDIFLORA DR	INTERSECTION	INTERSECTION	YES	\$152,460	HIGH
60	SEVENTH AVE & K AVE	INTERSECTION	INTERSECTION	YES	\$152,460	HIGH
61	US 17 & PROVISION PKWY	INTERSECTION	INTERSECTION	YES	\$152,460	HIGH
62	MARKET ST & MIDDLE SOUND LOOP RD	INTERSECTION	INTERSECTION	YES	\$152,460	HIGH
63	BRIDGE BARRIER RD	GREENWAY PLAN PATH	OLD DOW RD	YES	\$24,730	HIGH
64	GREENVILLE AVE	OLEANDER DR	PARK AVE	YES	\$224,280	HIGH
65	US 17/MARKET ST & PORTERS NECK RD	INTERSECTION	INTERSECTION	YES	\$131,513	HIGH
66	N AVE & FORT FISHER BLVD	INTERSECTION	INTERSECTION	YES	\$131,513	HIGH
67	N AVE	FORT FISHER BLVD	ATLANTIC AVE	YES	\$38,797	HIGH
68	VILLAGE RD NE	WAYNE RD	OLD MILL RD	YES	\$1,198,902	HIGH
69	CLARENDON AVE	DOW RD	LAKE	YES	\$1,227,670	HIGH
70	JENKINS RD	US17	ST JOHNS CHURCH RD	YES	\$311,409	HIGH
71	MARKET ST	BAYSHORE DR	MARSH OAKS DR	YES	\$2,039,829	HIGH
72	ST JOHNS CHURCH RD	JENKINS RD	END	YES	\$498,235	HIGH
73	MASTER LN	DORAL DR	SLOOP POINT RD	YES	\$472,985	HIGH
74	OLEANDER DR	HAWTHORNE ROAD	42ND ST.	YES	\$635,330	HIGH
75	WRIGHTSVILLE AVE	CASTLE ST	INDEPENDENCE BLVD	YES	\$174,757	HIGH
76	OLEANDER DR	WOOSTER ST	MIMOSA PLACE	YES	\$224,060	HIGH
77	DAWSON STREET	WRIGHTSVILLE AVE	OLEANDER DR	YES	\$42,410	HIGH
78	WRIGHTSVILLE AVE	COLLEGE RD	HAWTHORNE DR	YES	\$1,139,589	HIGH
79	WRIGHTSVILLE AVE	44th STREET	INDEPENDENCE BLVD	YES	\$989,618	HIGH
80	17TH STREET	WOOSTER ST	GREENFIELD ST	YES	\$235,794	HIGH
81	OLEANDER DR	PINE GROVE DRIVE	COLLEGE RD	YES	\$177,786	HIGH
82	N. 23RD ST	PRINCESS PLACE DR	BELVEDERE DR	YES	\$48,939	HIGH
83	DELANEY AVE	WELLINGTON AVE	GLEN MEAD RD	YES	\$173,829	HIGH
84	MCCLELLAND DR	SAINT ROSEA RD	KERR AVE	YES	\$589,527	HIGH
85	FAIRLAWN DR	BARCLAY HILLS DR	KERR AVE	YES	\$842,478	HIGH
86	CLOVER RD	FAIRLAWN DR	MCCLELLAND DR	YES	\$410,747	HIGH
87	GLEASON RD	FAIRLAWN DR	MCCLELLAND DR	YES	\$449,231	HIGH
88	GREENVILLE LOOP TRAIL	COLLEGE RD	OLEANDER DR	YES	\$6,858,056	HIGH
89	KERR AVE TRAIL	RANDALL PKWY	COLLEGE RD	YES	\$907,438	HIGH
90	CENTRAL COLLEGE TRAIL	HOLLY TREE RD	S 17TH STREET	YES	\$1,473,268	HIGH
91	MASON LOOP TRAIL	PINE GROVE DR	NAVAHO TRL	YES	\$2,982,142	HIGH
92	KERR AVE & WILSHIRE BOULEVARD	INTERSECTION	INTERSECTION	YES	\$38,815	HIGH
93	16TH ST & DAWSON ST	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
94	COLLEGE & HOGGARD/HURST DR	INTERSECTION	INTERSECTION	YES	\$38,815	HIGH
95	8TH ST & DAWSON ST	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
96	8TH ST & WOOSTER ST	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH

97	17TH ST & DAWSON ST	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
98	HOLLY TREE RD & COLLEGE RD	INTERSECTION	INTERSECTION	YES	\$83,175	HIGH
99	CAUSEWAY DR	AIRLIE RD	WAYNICK BLVD	YES	\$9,302,884	HIGH
100	OLD FAYETTEVILLE RD B	PICKETT RD	BASIN ST	YES	\$3,087,759	HIGH
101	AIRLIE RD	MILITARY CUTOFF RD	EASTWOOD RD	NO	NA	MEDIUM
102	ALABAMA AVE	PROP TRAIL WEST OF SPOT LN	LAKE PARK BLVD	NO	NA	MEDIUM
103	ISABEL S HOLMES BRIDGE	US HWY 421	FRONT ST	NO	NA	MEDIUM
104	MARKET ST	END	FUTCH CREEK RD	NO	NA	MEDIUM
105	SAINT JOSEPH ST	LEWIS DR	LEES LN	NO	NA	MEDIUM
106	OCEAN BLVD	MIKE CHAPPELL PARK	N LAKE PARK BLVD	NO	NA	MEDIUM
107	Smith Creek Murrayville Connection	MURRAYVILLE RD	NORTH SMITH CREEK TRAIL	NO	NA	MEDIUM
108	Lincoln Rd NE	WALKER ST	POST OFFICE RD	NO	NA	MEDIUM
109	Leland School Rd NE	MT. MISERY RD NE	VILLAGE RD	NO	NA	MEDIUM
110	Fletcher Rd NE	MT. MISERY RD NE	END	NO	NA	MEDIUM
111	B Brunswick Nature Park Connector	MALLORY CREEK	BRUNSWICK NATURE PARK	NO	NA	MEDIUM
112	A Brunswick Nature Park Connector	OCEAN HWY E	MALLORY CREEK	NO	NA	MEDIUM
113	Ploof Rd SE	OCEAN HWY E	CHAPPELL LOOP RD	NO	NA	MEDIUM
114	Blackwell Rd SE	RIVER RD	CHAPPELL LOOP RD	NO	NA	MEDIUM
115	NC 133 River Rd	BLACKWELL RD	MORECAMBLE BLVD SE	NO	NA	MEDIUM
116	S Navassa Rd	LOOP RD	BROADWAY ST	NO	NA	MEDIUM
117	Old Mill Rd	MAIN ST	WINDING TRAIL EXTENSION	NO	NA	MEDIUM
118	Lanvale Rd NE	OLD FAYETTEVILLE RD NE	GRANDIFLORA DR	NO	NA	MEDIUM
119	Old Mill Rd B	LANVALE RD	LELAND SCHOOL RD	NO	NA	MEDIUM
120	Ocean Blvd	GREENWAY PLAN PATH	DOW RD S	NO	NA	MEDIUM
121	Fort Fisher Blvd	S FIFTH AVE	S FORT FISHER BLVD END	NO	NA	MEDIUM
122	Sloop Pt Loop Rd	COUNTRY CLUB DR	US HWY 17	NO	NA	MEDIUM
123	Chappell Loop Rd E	BLACKWELL RD	CHAPPELL LOOP RD	NO	NA	MEDIUM
124	Jakeys Creek Connector	NIGHT HARBOR DR	JACKEY'S CREEK LN	NO	NA	MEDIUM
125	Brunswick Forest Frontage Path	BRUNSWICK FOREST PKWY	WIRE ROAD	NO	NA	MEDIUM
126	Torchwood Blvd	US 17 MARKET STREET	OGDEN PARK CONNECTOR TRAIL	NO	NA	MEDIUM
127	K AVE	7TH AVE	DOW RD	NO	NA	MEDIUM
128	DOW RD	K AVE	OCEAN BLVD	NO	NA	MEDIUM
129	DOW RD	OCEAN BLVD	CLARENDON AVE	NO	NA	MEDIUM
130	LAKE PARK BLVD	CAROLINA SANDS DR	ALABAMA AVE	NO	NA	MEDIUM
131	PENINSULA DR	TEAKWOOD DR	ISLAND MARINE DR	NO	NA	MEDIUM
132	MASONBORO LOOP RD	ANDREWS REACH LOOP	PARSELY ELEMENTARY SCHOOL	NO	NA	MEDIUM
133	PINE GROVE DR	MASONBORO LOOP RD	QUAIL RIDGE RD	NO	NA	MEDIUM
134	PINE GROVE DR	QUAIL RIDGE RD	HOLLY TREE RD	NO	NA	MEDIUM
135	PINE GROVE DR	HOLLY TREE RD	GREENVILLE LOOP RD	NO	NA	MEDIUM
136	NC 133 River Rd	SOUTHERN BLVD	HICKORY LN SE	NO	NA	MEDIUM
137	NC 133 River Rd	MALLORY CREEK DR	SOUTHERN BLVD	NO	NA	MEDIUM
138	NC 133 River Rd	MALLORY CREEK DR	WESTPORT DR	NO	NA	MEDIUM
139	NC 133 River Rd	JACKEYS CREEK LN SE	WESTPORT DR	NO	NA	MEDIUM
140	NC 133 River Rd	MORECAMBLE BLVD	JACKEYS CREEK LN SE	NO	NA	MEDIUM
141	MALLORY CREEK PATH	ST KITTS WAY	LOW COUNTRY BLVD	NO	NA	MEDIUM
142	Lanvale Rd NE	GRANDIFLORA DR	OCEAN HWY	NO	NA	MEDIUM
143	Lanvale Rd NE	VILLAGE RD	OLD FAYETTEVILLE RD NE	NO	NA	MEDIUM
144	Grandiflora Dr	LANVALE RD NE	TIMBER LN NE	NO	NA	MEDIUM
145	Winding Trail Dr	TIMBER LN NE	OCEAN HWY E	NO	NA	MEDIUM
146	PICKET RD NE EXTENSION	TIMBER LN NE	VILLAGE RD NE	NO	NA	MEDIUM
147	Winding Trail Dr EXTENSION	VILLAGE RD	OLD MILL RD	NO	NA	MEDIUM
148	Old Mill Rd	WINDING TRAIL EXTENSION	LINCOLN RD	NO	NA	MEDIUM
149	S Navassa Rd	VILLAGE RD	LOOP RD	NO	NA	MEDIUM
150	S Navassa Rd	BROADWAY ST	OLD MILL RD	NO	NA	MEDIUM
151	Old Mill Rd	N NAVASSA RD	MAIN ST	NO	NA	MEDIUM
152	Cedar Hill Rd	OLD MILL RD	ROYSTER RD NE	NO	NA	MEDIUM
153	Cedar Hill Rd	ROYSTER RD NE	WINDING TRAIL EXTENSION	NO	NA	MEDIUM
154	RAIL CORRIDOR TRAIL	US 421	QUALITY DR NE	NO	NA	MEDIUM
155	US 421	ISABEL HOLMES BRIDGE	RAIL CORRIDOR	NO	NA	MEDIUM
156	PARK AVENUE BRADLEY CREEK BRIDGE	GREENVILLE AVE	WRIGHTSVILLE AVE	NO	NA	MEDIUM
157	INDEPENDENCE BLVD	PARK AVE	WRIGHTSVILLE AVE	NO	NA	MEDIUM
158	SOUTH SMITH CREEK CONNECTOR TRAIL	SMITH CREEK PARK	MARKET ST	NO	NA	MEDIUM
159	OGDEN PARK CONNECTOR PATH	SMITH CREEK PARK CONNECTOR PAT	TORCHWOOD BLVD	NO	NA	MEDIUM
160	MARKET ST	MARSH OAKS DR	PORTERS NECK RD	NO	NA	MEDIUM
161	PORTERS NECK RD	MARKET ST	EDGEWATER CLUB RD	NO	NA	MEDIUM
162	PORTERS NECK RD	EDGEWATER CLUB RD	BLAD EAGLE LN	NO	NA	MEDIUM
163	FUTCH CREEK RD	OLD MARKET ST	CHAMPS DAVIS RD	NO	NA	MEDIUM
164	MARKET ST	FUTCH CREEK RD	PENDER-NEW HANOVER LINE	NO	NA	MEDIUM
165	DORAL DR	SLOOP POINT RD	MASTER LN	NO	NA	MEDIUM
166	5TH STREET	CAPE FEAR BLVD	ATLANTA AVE	NO	NA	MEDIUM
167	FUTURE RIVER RD ALIGNMENT	BARNARDS CREEK	SILVER LAKE RD	NO	NA	LOW
168	FUTURE RD	BLUE CLAY RD	FUTURE ROAD	NO	NA	LOW
169	MALLARD ST TRAIL	RILL RD	NE OF WIDGEON DR	NO	NA	LOW
170	13TH ST	CASTLE ST	LEE DR	NO	NA	LOW
171	19TH ST	ANN ST	COLWELL AVE	NO	NA	LOW
172	23RD ST	AIRPORT BLVD	ONE TREE HILL WAY	NO	NA	LOW
173	BALD EAGLE LN	PORTERS NECK RD	FUTCH CREEK RD	NO	NA	LOW
174	BARCLAY HILLS DR	PRINCESS PLACE DR	KERR AVE	NO	NA	LOW
175	BAYFIELD DR	BAYSHORE DR	MARSH OAKS DR	NO	NA	LOW
176	BAYSHORE DR	TORCHWOOD BLVD	BAYFIELD DR	NO	NA	LOW
177	BEASLEY RD	JAMES E L WADE PARK	MASONBORO LOOP RD	NO	NA	LOW
178	BLUE CLAY RD	HOLLY SHELTER RD	SIDBURY RD	NO	NA	LOW
179	BLUE CLAY RD	PROP TRAIL AT RAIL CORRIDOR	SIDBURY RD	NO	NA	LOW
180	BRENTWOOD DR	PROP TRAIL AT VICTORIA DR	CASTLE HAYNE RD	NO	NA	LOW
181	BURNETT BLV	FRONT ST	SHIPYARD BLVD	NO	NA	LOW
182	CANAL DR	FLORIDA AVE	CAROLINA BEACH AVE	NO	NA	LOW
183	CARDINAL DR	CLEAR RUN DR	EASTWOOD RD	NO	NA	LOW
184	CARDINAL EXTENSION DR	MARKET ST	EASTWOOD RD	NO	NA	LOW
185	CAROLINA BEACH AVE	LAKE PARK BLVD	HAMLET AVE	NO	NA	LOW
186	CAROLINA BEACH AVE	CAPE FEAR BLVD	SALT MARSH LN	NO	NA	LOW
187	CASTLE HAYNE RD	MCRAE ST	BRENTWOOD DR	NO	NA	LOW
188	CASTLE HAYNE RD	NORTH OF 1-140	CHAIR RD	NO	NA	LOW
189	CATHAY RD	RIVER RD	CAROLINA BEACH RD	NO	NA	LOW
190	CHADWICK AVE	PROP TRAIL	CASTLE HAYNE RD	NO	NA	LOW
191	CHAMP DAVIS RD	FUTCH CREEK RD	PORTERS NECK RD	NO	NA	LOW
192	CHESTNUT ST	23RD ST	MARKET ST	NO	NA	LOW
193	CLEAR RUN DR	COLLEGE ACRES DR	MALLARD ST	NO	NA	LOW
194	COVIL FARM RD	MILITARY CUTOFF RD	RED CEDAR RD	NO	NA	LOW
195	EIGHTH ST	CLARENDON AVE	HARPER AVE	NO	NA	LOW
196	FAULKENBERRY RD	CAROLINA BEACH RD	MYRTLE GROVE RD	NO	NA	LOW
197	FLORIDA AVE	CANAL DR	CAROLINA BEACH AVE	NO	NA	LOW

198	FOURTH ST	PROP TRAIL WEST OF SIXTH ST	HARPER AVE	NO	NA	LOW
199	FRONT ST	ANN ST	CAPE FEAR MEMORIAL BRIDGE	NO	NA	LOW
200	FUTCH CREEK RD	CHAMP DAVIS RD	BALD EAGLE LN	NO	NA	LOW
201	GLEN MEADE RD	17TH ST	ECHO LN	NO	NA	LOW
202	GORDON RD	WHITE RD	OGDEN PARK DR	NO	NA	LOW
203	GREENVILLE AVE	WRIGHTSVILLE AVE	PARK AVE	NO	NA	LOW
204	ISLAND CREEK RD	IDEAL CEMENT RD	ROYAL OAKS DR	NO	NA	LOW
205	HOLLY SHELTER RD	I-40	BLUE CLAY RD	NO	NA	LOW
206	KERR AVE	MARKET ST	RANDALL PKWY	NO	NA	LOW
207	KERR AVE	MARKET ST	MARTIN LUTHER KING JR PKWY	NO	NA	LOW
208	KERR AVE	BLUE CLAY RD	TRUESDALE RD	NO	NA	LOW
209	LAKE PARK BLV	FAYETTEVILLE AVE	DRIFTWOOD LN	NO	NA	LOW
210	LAKE PARK BLV	SPENCER FARLOW DR	RISLEY RD	NO	NA	LOW
211	LEWIS DR	LAKE PARK BLVD	SAINT JOSEPH ST	NO	NA	LOW
212	LIVE OAK PKY	PARK AVE	GILLETTE DR	NO	NA	LOW
213	LOGANBERRY RD	NORTH END	BLUEBERRY RD	NO	NA	LOW
214	LYNNWOOD DR	SOUTH END	WAVERLY DR	NO	NA	LOW
215	MACMILLAN AVE	PINEGROVE DR	OLD MEARES RD	NO	NA	LOW
216	MERCER AVE	MARKET ST	INDEPENDENCE BLVD	NO	NA	LOW
217	METTS AVE	15TH ST	PROP TRAIL AT CREEK	NO	NA	LOW
218	OLD AVE	CASTLE HAYNE PARK	PARMELE RD	NO	NA	LOW
219	OYSTER LN	BRIGHT LEAF RD	MIDDLE SOUND LOOP RD	NO	NA	LOW
220	PARMELE RD	CASTLE HAYNE RD	COLLEGE RD	NO	NA	LOW
221	PEIFFER AVE	SOUTH END	OLEANDER DR	NO	NA	LOW
222	PRINCESS PLACE DR	PROP TRAIL AT CREEK	FUTURE INDEPENDENCE BLVD EXTENSION	NO	NA	LOW
223	PRINCESS ST	5TH AVE	20TH ST	NO	NA	LOW
224	PRIVATE	KERR AVE	FUTURE ROAD	NO	NA	LOW
225	SAINT NICHOLAS RD	ELISHA DR	NOBILE SCHOOL RD	NO	NA	LOW
226	SIDBURY RD	BLUE CLAY RD	DAIRY FARM RD	NO	NA	LOW
227	THAIS TRL	BRIGHT LEAF RD	BAYSHORE DR	NO	NA	LOW
228	TRAILS END RD	MASONBORO LOOP RD	EAST END	NO	NA	LOW
229	TROY DR	WELLINGTON AVE	SHIPYARD BLVD	NO	NA	LOW
230	WRIGHTSVILLE AVE	DONNA AVE	GREENVILLE AVE	NO	NA	LOW
231	YAUPON DR	LAKE SHORE DR	17TH ST	NO	NA	LOW
232	CHESTNUT ST	PRINCESS ST	23RD ST	NO	NA	LOW
233	23RD ST	PRINCESS PLACE DR	CHESTNUT ST	NO	NA	LOW
234	KERR AVE	CASTLE HAYNE RD	BLUE CLAY RD	NO	NA	LOW
235	KERR AVE	TRUESDALE RD	COLLEGE RD	NO	NA	LOW
236	5TH AVE	NIXON ST	PROP TRAIL AT DOWNTOWN RAIL CORRIDOR	NO	NA	LOW
237	CASTLE HAYNE RD	I-140	PARMELE RD	NO	NA	LOW
238	US 117	PENDER-NEW HANOVER LINE	HOLLY SHELTER RD	NO	NA	LOW
239	CASTLE HAYNE RD	PARMELE RD	HOLLY SHELTER RD	NO	NA	LOW
240	CASTLE HAYNE RD	KERR AVE	BRENTWOOD DR	NO	NA	LOW
241	LAKE PARK BLV	CAROLINA SANDS DR	DRIFTWOOD LN	NO	NA	LOW
242	LUMINA AVE	SALISBURY ST	CAUSEWAY DR	NO	NA	LOW
243	RANDALL DR	COLLEGE RD	REYNOLDS DR	NO	NA	LOW
244	OAK BLUFF LN	OAK BLUFF LN	FUXTON WAY SOUTH END	NO	NA	LOW
245	HAMLET AVE	CAROLINA BEACH AVE	CAROLINA BEACH WATERFRONT GREENWAY	NO	NA	LOW
246	MCRAE ST	BESS ST	CASTLE HAYNE RD	NO	NA	LOW
247	LAKE PARK BLV/SAINT JOSEPH ST TO LEES LN	LEES LN	CARL WINNER AVE	NO	NA	LOW
248	FRONT ST	WRIGHT ST	MARSTELLAR ST	NO	NA	LOW
249	K AVE	FORT FISHER BLD	ATLANTIC AVE	NO	NA	LOW
250	NIXON ST	5TH AVE	MCRAE ST	NO	NA	LOW
251	OLD MILL RD	NC 133	RAIL CORRIDOR	NO	NA	LOW
252	COLLEGE RD	NEW CENTRE DR	MARKET ST	NO	NA	LOW
253	KERR AVE	HOGGARD DR	RANDALL PKWY	NO	NA	LOW
254	WRIGHTSVILLE AVE	S KERR AVE	WILSHIRE BLVD	NO	NA	LOW
255	DOGWOOD LN EXTENSION	OLEANDER DR	GREENVILLE LOOP RD	NO	NA	LOW
256	WELLINGOTN AVE	S 17TH ST	FLINT DR	NO	NA	LOW
257	GILLETTE DR	LAKESHORE DR	S LIVE OAK PKWY	NO	NA	LOW
258	CAROLINA BEACH RD	Independence Boulevard	St Andrews Dr	NO	NA	LOW
259	HARNETT ST	3RD ST	5TH AVE	NO	NA	LOW
260	5TH AVE	TAYLOR ST	NIXON ST	NO	NA	LOW
261	CHESTER ST	CARDINAL RD	ELISHA DR	NO	NA	LOW
262	FRONT ST	CAMPBELL ST	CHESTNUT ST	NO	NA	LOW
263	SWORDFISH LN	ALABAMA AVE	TENNESSEE AVE	NO	NA	LOW
264	NETHERLANDS DR	GORDON RD	AMSTERDAM WAY	NO	NA	LOW
265	WINERY WAY	SHIRAZ WAY	RIESLING AVE	NO	NA	LOW
266	SHIRAZ WAY	PORTER'S NECK RD	WINERY WAY	NO	NA	LOW
267	LUMINA AVE	SOUTH RIDGE LN	SALISBURY ST	NO	NA	LOW
268	Coming Connection	RINGO DR	RACINE DR	NO	NA	LOW
269	Racine Dr	RANDALL DR	END	NO	NA	LOW
270	Cahill Dr	END	WALTON DR	NO	NA	LOW
271	Seahawk Landing Dr	CAHILL DR	PRICE DR	NO	NA	LOW
272	Price Dr	RIEGEL DR	WALTON DR	NO	NA	LOW
273	Cardinal Extension Dr	MARKET ST	CHESTER ST	NO	NA	LOW
274	Timber Ln	CARDINAL DR	LONG LEAF ACRES DR	NO	NA	LOW
275	Long Leaf Acres Dr	EASTWOOD RD	TOULON DR	NO	NA	LOW
276	Toulon Dr	LONG LEAF ACRES DR	GREEN MEADOWS DR	NO	NA	LOW
277	Green Meadows Dr B	SAINT NICHOLAS RD	TOULON DR	NO	NA	LOW
278	Green Meadows Dr C	MARKET ST	SAINT NICHOLAS RD	NO	NA	LOW
279	Market St Segment	CARDINAL EXTENSION DR	JUDGES RD	NO	NA	LOW
280	N Judges Rd	ALBEMARLE RD	MARKET ST	NO	NA	LOW
281	Albemarle Rd	JUDGES RD	DARWIN DR	NO	NA	LOW
282	Fitzgerald Dr	LORD TENNYSON RD	ALBEMARLE RD	NO	NA	LOW
283	Lord Tennyson Rd	DARWIN DR	FITZGERALD DR	NO	NA	LOW
284	Kings Grant Rd	PRIVATE	KINGS DR	NO	NA	LOW
285	Elisha Dr	LONG LEAF ACRES DR	TANBRIDGE RD	NO	NA	LOW
286	Tanbridge Rd	CAMBERLY DR	WELLS RD	NO	NA	LOW
287	Wells Rd	TANBRIDGE RD	MONUMENT DR	NO	NA	LOW
288	Monument Dr	WELLS RD	TOWN CENTER DR	NO	NA	LOW
289	Military Cutoff Rd	GORDON RD	STATION RD	NO	NA	LOW
290	Oleander Drive Bradley Creek	GREENVILLE LOOP RD	PRIVATE	NO	NA	LOW
291	Oleander Drive D	HINTON AVE	GREENVILLE LOOP RD	NO	NA	LOW
292	Oleander Drive C	HAWTHORNE DR	HINTON AVE	NO	NA	LOW
293	Oleander Drive B	WALLACE AVE	HAWTHORNE DR	NO	NA	LOW
294	Oleander Drive A	S COLLEGE RD	WALLACE AVE	NO	NA	LOW
295	Rose Ave	RIEGEL RD	WRIGHTSVILLE AVE	NO	NA	LOW
296	Hinton Ave	MICHELLE DR	PARK AVE	NO	NA	LOW
297	Michelle Dr	WRIGHTSVILLE AVE	HINTON AVE	NO	NA	LOW
298	Andover Rd	ROSE AVE	WRIGHTSVILLE AVE	NO	NA	LOW

299	French Rd	PARK AVE	END	NO	NA	LOW
300	Harley Rd	ALBEMARLE RD	MARKET ST	NO	NA	LOW
301	White Road	GORDON RD	END	NO	NA	LOW
302	Harris Road/Shenandoah St	CREEK RIDGE RD	GORDON RD	NO	NA	LOW
303	Edgewater Club Road	PORTERS NECK RD	END	NO	NA	LOW
304	Marshfield Dr	PORTERS NECK RD TRAIL	END	NO	NA	LOW
305	Salem Ct	PORTERS NECK RD TRAIL	END	NO	NA	LOW
306	Scotts Hill Loop Rd	SALEM CT	GREAT PINE CT	NO	NA	LOW
307	Behind PortersNeck Lowes	CYPRESS POND WAY	MARKET ST	NO	NA	LOW
308	Connection from Lowes to Plantation Rd	PLANTATION RD	LILLY POND LN	NO	NA	LOW
309	Plantation Rd	CROOKED PINE RD	END	NO	NA	LOW
310	Marsh Oaks Dr	MARKET ST	MONARCH DR	NO	NA	LOW
311	Monarch Dr	MARSH OAKS DR	AQUARIUS DR	NO	NA	LOW
312	Aquarius Dr	MONARCH DR	SCORPION DR	NO	NA	LOW
313	Scorpion Dr	AQUARIUS DR	BAYSHORE DR	NO	NA	LOW
314	Torchwood Blvd	OGDEN PARK CONNECTOR TRAIL	END	NO	NA	LOW
315	Ogden Park Dr	DAYBREAK LN	GORDON RD	NO	NA	LOW
316	Daybreak Ln	FARRINGTON FARMS DR	OGDEN PARK DR	NO	NA	LOW
317	Farrington Farms Rd	DAYBREAK LN	SUN COAST DR	NO	NA	LOW
318	Sun Coast Dr	SAPLING CIR	END	NO	NA	LOW
319	Sapling Cir	SUN COAST DR	ALAMOSA DR	NO	NA	LOW
320	Alamosa Dr	SAPLING CIR	BRODICK CT	NO	NA	LOW
321	Brodick Ct	ASHBY DR	ALAMOSA DR	NO	NA	LOW
322	Ashby Dr	BRODICK CT	WOODHALL DR	NO	NA	LOW
323	Woodhall Dr	ASHBY DR	BRITTANY LAKES DR	NO	NA	LOW
324	Brittany Lakes Dr	POTOMAC DR	WOODHALL DR	NO	NA	LOW
325	Potomac Dr	SHEFFIELD CT	BRITTANY LAKES DR	NO	NA	LOW
326	Sheffield Ct	SHENANDOAH ST	POTOMAC DR	NO	NA	LOW
327	Creek Ridge Rd	SHENANDOAH ST	BRITTANY RD	NO	NA	LOW
328	Brittany Rd	CREEK RIDGE RD	NORTH SMITH CREEK TRAIL	NO	NA	LOW
329	Sun Coast Dr	HARRIS RD	SAPLING CIR	NO	NA	LOW
330	Walker St NE	MT. MISERY RD NE	LINCOLN RD NE	NO	NA	LOW
331	Reed Rd NE	MT. MISERY RD NE	LAKE NORMAN LN	NO	NA	LOW
332	Mt. Misery Rd NE	LINCOLN RD NE	CEDAR HILL RD NE	NO	NA	LOW
333	Parallel NE Cape Fear River	Navassa	Northeast	NO	NA	LOW
334	LOW COUNTRY BLVD	BRUNSWICK FOREST PKWY	RICE GATE WAY	NO	NA	LOW
335	Winding Trail Dr EXTENSION	OLD MILL RD	CEDAR HILL RD	NO	NA	LOW
336	Chappell Loop Rd SE	PLOOF RD	EAST WOOD LN	NO	NA	LOW
337	EastWood Ln SE	CHAPPELL LOOP RD	PINE BRANCHES CIR	NO	NA	LOW
338	Two Pine Rd	EAST WOOD LN	WINDING BRANCHES DR	NO	NA	LOW
339	Winding Branches Dr	PINE BRANCHES CIR	WINDSOR DR	NO	NA	LOW
340	Windsor Dr SE	WINDING BRANCHES DR	N. OLDE TOWNE WYND	NO	NA	LOW
341	N Olde Towne Wynd SE	WINDSOR DR	BRUNSWICK PL	NO	NA	LOW
342	Brunswick Pl	N. OLDE TOWNE WYND	S. OLDE TOWN WYND	NO	NA	LOW
343	S Olde Towne Wynd SE	BRUNSWICK PL	RIVER RD	NO	NA	LOW
344	Causeway	RIVER RD	HWY 133/US 421	NO	NA	LOW
345	Olde Waterford Way	OCEAN HWY	PALM RIDGE DR	NO	NA	LOW
346	Palm Ridge Dr	OLDE WATERFORD WAY	OLDE VILLAGE CIR	NO	NA	LOW
347	Old Village Cir	PALD RIDGE DR	END	NO	NA	LOW
348	Pine Harvest Dr	OLDE V ILLAGE CIR	GRANDIFLORA DR	NO	NA	LOW
349	Grandiflora Dr	TIMBER LN NE	OCEAN HWY E	NO	NA	LOW
350	Timber Ln NE	GRANDIFLORA DR	PICKETT RD	NO	NA	LOW
351	Lossen Ln	OLD FAYETTVILLE RD	VILLAGE RD	NO	NA	LOW
352	Old Fayetteville Rd A	LOSSEN LN	BASIN ST	NO	NA	LOW
353	Basin St	OLD FAYETTEVILLE RD	RAMPART ST	NO	NA	LOW
354	Rampart St	BASIN ST	ROYAL ST	NO	NA	LOW
355	Royal St	RAMPART ST	WAYNE ST	NO	NA	LOW
356	Wayne St NE	ROYAL ST	VILLAGE RD	NO	NA	LOW
357	Village Rd C	LOSSEN LN	S NAVASSA RD	NO	NA	LOW
358	Cedar Hill Rd	WINDING TRAIL EXTENSION	DANIELS RD	NO	NA	LOW
359	Marlboro St	RANDALL PKY	MARKET ST	NO	NA	LOW
360	St Rosea Rd	PRINCESS PLACE DR	MCCLELLAND DR	NO	NA	LOW
361	McClelland Dr	SAINT ROSEA DR	NEW CENTRE DR	NO	NA	LOW
362	S Smith Creek	COLONIAL DR	END	NO	NA	LOW
363	Washington St Path	BELL ST	KENTUCKY AVE	NO	NA	LOW
364	Wright St	FRONT ST	S 16TH ST	NO	NA	LOW
365	Meares St	FRONT ST	S 16 ST	NO	NA	LOW
366	S 41st St	OLEANDER DR	SHIPYARD BLV	NO	NA	LOW
367	HALIFAX RD	LAKE AVE	FORDHAM RD	NO	NA	LOW
368	Central Blvd Morningside Dr	BURNETT BLV	YAUPON DR	NO	NA	LOW
369	Monkey Junction Connection	CAROLINA BEACH RD TRAIL	HONEYBEE LN	NO	NA	LOW
370	Gate Post Prior Willoughby Park Connection	WILLOUGHBY PARK CT	PRIOR DR	NO	NA	LOW
371	Antoinette Dr	CAROLINA BEACH RD	NORMANDY DR	NO	NA	LOW
372	Gabriel St Path Extension	MCQUILLAN DR	BANCROFT DR	NO	NA	LOW
373	Huron Dr Connection	OKEECHOBEE RD	END	NO	NA	LOW
374	Halyburton Memorial Pky Connector	OKEECHOBEE RD	HALYBURTON MEMORIAL PKWY	NO	NA	LOW
375	River Breeze Dr	HALYBURTON MEMORIAL PKY	RIVERBREEZE DR.	NO	NA	LOW
376	Sedgley Dr Path Extension	THE CAPE BLV	PRIVATE	NO	NA	LOW
377	Catamaran Dr Path Extension	CATAMARAN DR	END	NO	NA	LOW
378	Spencer Farlow Dr	ISLAND MARINA DR	ACCESS RD	NO	NA	LOW
379	Access Rd	SPENCER FARLOW DR	BERTRAM DR	NO	NA	LOW
380	Canal Dr	VIRGINIA AVE	CARL WINNER AVE	NO	NA	LOW
381	S 6th Ave	K AVE	H AVE	NO	NA	LOW
382	S 5th Ave	H AVE	S FORT FISHER BLVD	NO	NA	LOW
383	Holly Tree Rd	S COLLEGE RD	PINE GROVE DR	NO	NA	LOW
384	Beasley Rd	PINE GROVE DR	WHISPER CREEK LN	NO	NA	LOW
385	Marsh Hawk Ct	BRAGG DR	AMBER DR	NO	NA	LOW
386	Aster Ct	GREENWAY PLAN PATH	BETHEL RD END	NO	NA	LOW
387	Waltmoor Rd	S COLLEGE RD	GREENWICH LN	NO	NA	LOW
388	Greenwich Ln	WALTMOOR RD	LANDSDOWNE RD	NO	NA	LOW
389	Devonshire Ln	DOVER RD	LANDSDOWNE RD	NO	NA	LOW
390	Lansdowne Rd	DEVONSHIRE LN	NAVAHO TRL	NO	NA	LOW
391	Navaho Trl	MASONBORO LOOP RD	END	NO	NA	LOW
392	N College Rd A	CASTLE HAYNE RD	N COLLEGE RD	NO	NA	LOW
393	College to Castle Hayne Park	N COLLEGE RD	END	NO	NA	LOW
394	Castle Hayne Park Connector B	GREENWAY PLAN PATH	JUVENILE CENTER DR	NO	NA	LOW
395	Northchase Pky	N COLLEGE RD	NEW VILLAGE RD	NO	NA	LOW
396	Murrayville Rd A	N COLLEGE RD	I-40	NO	NA	LOW
397	Gordon Rd B	N KERR AVE	N COLLEGE RD	NO	NA	LOW
398	Laurel Dr	CASTLE HAYNE RD	N KERR AVE	NO	NA	LOW
399	Blue Clay Rd Path Connector	DAIRY FARM RD	I-140 WEST TRAIL	NO	NA	LOW

400	NC 210	MERRICKS CREEK	NAVILLUS BLVD	NO	NA	LOW
401	ISLAND CREEK RD	ROYAL OAK CT	US HWY 17	NO	NA	LOW
402	US 17 Hampstead	WHITEBRIDGE RD	LODGE RD	NO	NA	LOW
403	Country Club Dr	US HWY 17	SLOOP POINT LOOP RD	NO	NA	LOW
404	US 17 Hampstead Frontage Path	WHITEBRIDGE RD	SCOTTS HILL LOOP RD	NO	NA	LOW
405	Sidbury Rd	US HWY 17	DAIRY FARM RD	NO	NA	LOW
406	Hampstead Bypass Path	DAIRY FARM RD	OLD WHITFIELD RD	NO	NA	LOW
407	US 17 Hampstead Connection	POWER EASEMENT	US HWY 17	NO	NA	LOW
408	NC HWY 133	CHESHIRE RD	US 117	NO	NA	LOW
409	NC 210	CHESHIRE RD	US 117	NO	NA	LOW
410	CHESHIRE RD	NC HWY 210	NC HWY 133	NO	NA	LOW
411	US HWY 117 S	NC 210	NC 133	NO	NA	LOW
412	Clarks Landing Loop	NC HWY 210	END	NO	NA	LOW
413	US 421 N	MONTAGUE RD	PENDER-NEW HANOVER LINE	NO	NA	LOW
414	Blueberry rd	MONTAGUE RD	END	NO	NA	LOW
415	US 421 S	BLUEBERRY RD	EXISTING GREENWAY ROUTE	NO	NA	LOW
416	Brunswick Forest Pkwy	OCEAN HWY	BRUNSWICK VILLAGE BLVD	NO	NA	LOW
417	W Gate Dr	WEST GATE DR	CORAL STONE CT	NO	NA	LOW
418	Brunswick Forest Pky B	LOW COUNTRY BLVD	END	NO	NA	LOW
419	Low Country Blvd	BRUNSWICK FOREST PKWY	RICE GATE WAY	NO	NA	LOW
420	Cape Fear National Dr	LOW COUNTRY BLVD	END	NO	NA	LOW
421	NC 133 River Rd S	HICKORY LN	END	NO	NA	LOW
422	Wallace Ave	Pine Grove Dr	Wrightsville Ave	NO	NA	LOW
423	CAROLINA BEACH RD	Burnett Blvd	Shipyard Blvd	NO	NA	LOW
424	CAROLINA BEACH RD	Shipyard Blvd	Independence Blvd	NO	NA	LOW
425	K AVE	6TH AVE	FORT FISHER BLVD N	NO	NA	LOW
426	SPOT LN PATH	ALABAMA AVE	OCEAN BLVD	NO	NA	LOW
427	MIKE CHAPPEL PARK PATH	ALABAMA AVE	CLARENDON AVE	NO	NA	LOW
428	N 7TH ST	HARPER AVE	DOW RD	NO	NA	LOW
429	CAROLINA BEACH WATERFRONT	HAMLET AVE	CARL WINNER AVE	NO	NA	LOW
430	OTTER RD	LEWIS DR	TEAKWOOD DR	NO	NA	LOW
431	TEAKWOOD DR	OTTER RD	PENINSULA DR	NO	NA	LOW
432	ISLAND MARINE DR	PENINSULA DR	SPENCER FARLOW DR	NO	NA	LOW
433	SPENCER FARLOW DR	BRIDGE BARRIER RD	N LAKE PARK BLVD	NO	NA	LOW
434	SNOW CUT BRIDGE	SOUNDSIDE DR	SPENCER FARLOW DR	NO	NA	LOW
435	Harper Ave	N 3rd St	N Carolina Beach Ave	NO	NA	LOW
436	SNOWS CUT BRIDGE	SOUNDSIDE DR	SPENCER FARLOW DR	NO	NA	LOW
437	RIVER ROAD	SOUNDSIDE DR	CYPRESS ISLAND DR	NO	NA	LOW
438	RIVER RD	CYPRESS ISLAND DR	SEDGLEY DR	NO	NA	LOW
439	RIVER RD	SEDGLEY DR	THE CAPE BLVD	NO	NA	LOW
440	RIVER RD	HALYBURTON MEMORIAL PKWY	THE CAPE BLVD	NO	NA	LOW
441	RIVER RD	CATHAY RD	HALYBURTON MEMORIAL PKWY	NO	NA	LOW
442	RIVER RD	CATHAY RD	SANDERS RD	NO	NA	LOW
443	RIVER RD	SANDERS RD	SILVER LAKE RD	NO	NA	LOW
444	RIVER RD	BARNARDS CREEK	INDEPENDENCE BLVD	NO	NA	LOW
445	HALYBURTON MEMORIAL PARKWAY	RIVER RD	LURE LN	NO	NA	LOW
446	HALYBURTON MEMORIAL PKWY	LURE LN	CAROLINA BEACH RD	NO	NA	LOW
447	SANDERS RD	RIVER RD	CAROLINA BEACH RD	NO	NA	LOW
448	SILVER LAKE RD	ILEX DR	RIVER RD	NO	NA	LOW
449	SILVER LAKE RD	ILEX DR	CAROLINA BEACH RD	NO	NA	LOW
450	SOUTHERN CAPE FEAR RIVER CROSSING	BRUNSWICK COUNTY	NEW HANOVER COUNTY	NO	NA	LOW
451	BARNARDS CREEK PATH	BARNARDS LANDING RD	RIVER RD	NO	NA	LOW
452	BARNARDS LANDING RD	END	PLEASANT DALE DR	NO	NA	LOW
453	PLEASANT DALE DR	BARNARDS LANDING RD	HEDINGHAM LN	NO	NA	LOW
454	HEDINGHAM LN	PLEASANT DALE DR	LINDEN RIDGE RD	NO	NA	LOW
455	LINDEN RIDGE RD	HEDINGHAM CT	DELHAM CT	NO	NA	LOW
456	ST ANDREWS DR PATH	LINDEN RIDGE RD	CAROLINA BEACH RD	NO	NA	LOW
457	SHIPYARD BLVD	LONGSTREET DR	S 41ST ST/HOLLYTREE	NO	NA	LOW
458	SHIPYARD BLVD	S 41ST/HOLLY TREE	S COLLEGE RD	NO	NA	LOW
459	CAROLINA BEACH RD	ST ANDREWS DR	SILVER LAKE RD	NO	NA	LOW
460	CAROLINA BEACH RD	SILVER LAKE RD	ANTOINETTE DR	NO	NA	LOW
461	CAROLINA BEACH RD	PINER RD	SANDERS RD	NO	NA	LOW
462	CAROLINA BEACH RD	SANDERS RD	CATHAY RD	NO	NA	LOW
463	CAROLINA BEACH RD	CATHAY RD	HALYBURTON MEMORIAL PKWY	NO	NA	LOW
464	CAROLINA BEACH RD	HALYBURTON MEMORIAL PKWY	MYRTLE GROVE RD	NO	NA	LOW
465	CAROLINA BEACH RD	MYRTLE GROVE RD	MCQUILLAN DR	NO	NA	LOW
466	CAROLINA BEACH RD	MCQUILLAN DR	THE CAPE BLVD	NO	NA	LOW
467	CAROLINA BEACH RD	THE CAPE BLVD	SOUNDSIDE DR	NO	NA	LOW
468	MYRTLE GROVE RD	CAROLINA BEACH RD	FAULKENBERRY RD	NO	NA	LOW
469	MYRTLE GROVE RD	FAULKENBERRY RD	PINER RD	NO	NA	LOW
470	PINER RD	S COLLEGE RD	MYRTLE GROVE RD	NO	NA	LOW
471	S COLLEGE RD	PINER RD	MONKEY JUNCTION SHOPPING ENTRANCE	NO	NA	LOW
472	S COLLEGE RD	MONKEY JUNCTION SHOPPING ENTRANCE	MOHICAN TRL	NO	NA	LOW
473	S COLLEGE RD	MOHICAN TRL	S 17TH ST	NO	NA	LOW
474	S COLLEGE RD	S 17TH ST	PINE VALLEY DR	NO	NA	LOW
475	S COLLEGE RD	PINE VALLEY DR	S 41ST ST/HOLLY TREE RD	NO	NA	LOW
476	COLLEGE RD	SHIPYARD BLVD	LAKE AVE	NO	NA	LOW
477	COLLEGE RD	LAKE AVE	OLEANDER DR	NO	NA	LOW
478	COLLEGE RD	OLEANDER DR	WRIGHTSVILLE AVE	NO	NA	LOW
479	COLLEGE RD	WILSHIRE BLVD	HURST DR	NO	NA	LOW
480	NEW CENTRE DR	COLUMB DR	MARKET ST	NO	NA	LOW
481	ST ANDREWS RD	CAROLINA BEACH RD	S 17TH ST	NO	NA	LOW
482	JOHN D BARRY DR	S 17TH ST	ROBERT E LEE DR	NO	NA	LOW
483	ROBERT E LEE DR	JOHN D BARRY DR	PINE VALLEY DR	NO	NA	LOW
484	ROBERT E LEE DR	PINE VALLEY DR	BEAUREGARD DR	NO	NA	LOW
485	PINE VALLEY PATH	S COLLEGE RD	ROBERT E LEE DR	NO	NA	LOW
486	HOLLY TREE DR	SHIPYARD BLVD	S COLLEGE RD	NO	NA	LOW
487	LAKE AVE	HALIFAX RD	S COLLEGE RD	NO	NA	LOW
488	INDEPENDENCE MALL FRONTAGE	FORDHAM RD	INDEPENDENCE BLVD	NO	NA	LOW
489	S 17TH ST	WELLINGTON AVE	SHIPYARD BLVD	NO	NA	LOW
490	S 17TH ST	WELLINGTON AVE	SAVANNAH CT	NO	NA	LOW
491	PETTIGREW DR PATH	INDEPENDENCE BLVD	BUCKNER DR	NO	NA	LOW
492	BUCKNER DR	INDEPENDENCE BLVD	STONEWALL JACKSON DR	NO	NA	LOW
493	STONEWALL JACKSON DR	BUCKNER DR	LONGSTREET DR	NO	NA	LOW
494	LONGSTREET DR	STONEWALL JACKSON DR	SHIPYARD BLVD	NO	NA	LOW
495	CONVERSE RD	SHIPYARD BLVD	INDEPENDENCE BLVD	NO	NA	LOW
496	ALDERMAN TRAIL	CANTERBURY RD	CONVERSE DR	NO	NA	LOW
497	CANTERBURY RD	INDEPENDENCE BLVD	FORDHAM RD	NO	NA	LOW
498	INDEPENDENCE BLVD	CANTERBURY RD	INDEPENDENCE MALL	NO	NA	LOW
499	SWEETBRIAR RD	INDEPENDENCE BLVD	FORDHAM RD	NO	NA	LOW
500	FORDHAM RD	CANTERBURY RD	EDGEWOOD RD	NO	NA	LOW

501	LINCOLN FOREST TRAIL	INDEPENDENCE MALL	HALIFAX RD	NO	NA	LOW
502	LINCOLN FOREST TRAIL	HALIFAX RD	HOGGARD HIGH SCHOOL	NO	NA	LOW
503	RIVERWALK SOUTH	NUN ST	WRIGHT ST	NO	NA	LOW
504	MASONBORO LOOP RD	PINER RD	MOHICAN TRL	NO	NA	LOW
505	MASONBORO LOOP RD	MOHICAN TRL	TRAILS END RD	NO	NA	LOW
506	MASONBORO LOOP RD	TRAILS END RD	MASONBORO SOUND RD	NO	NA	LOW
507	MASONBORO LOOP RD	MASONBORO SOUND RD	DAWNING CREEK WAY/TREYBROOK DR	NO	NA	LOW
508	MASONBORO LOOP RD	TREYBROOKE DR/DAWNING CREEK W	PARSELY ELEMENTARY SCHOOL	NO	NA	LOW
509	MASONBORO LOOP RD	ANDREWS REACH LOOP	JASPER PL	NO	NA	LOW
510	MASONBORO SOUND RD	JASPER PL	MAGNOLIA DR	NO	NA	LOW
511	MASONBORO SOUND RD	MAGNOLIA DR	FINIAN DR	NO	NA	LOW
512	MASONBORO SOUND RD	FINIAN DR	DAWNING CREEK WAY	NO	NA	LOW
513	MASONBORO SOUND RD	DAWNING CREEK WAY	MASONBORO LOOP RD	NO	NA	LOW
514	MAGNOLIA DR	MASONBORO SOUND RD	SYLVAN LN	NO	NA	LOW
515	HEWLETTS CREEK BRIDGE	MAGNOLIA DR	HEAD RD	NO	NA	LOW
516	HEAD ROAD EXTENSION	HEWLETTS CREEK BRIDGE	HEAD ROAD	NO	NA	LOW
517	HEAD RD	GREENVILLE LOOP RD	HEAD ROAD	NO	NA	LOW
518	HEWLETTS CREEK TRAIL	S COLLEGE RD	PINE GROVE DR	NO	NA	LOW
519	PINE GROVE DR	WALLACE AVE	GREENVILLE LOOP RD	NO	NA	LOW
520	PINE GROVE DR	WALLACE AVE	OLEANDER DR	NO	NA	LOW
521	GREENVILLE LOOP RD	PINE GROVE DR	DOGWOOD LN EXTENSION	NO	NA	LOW
522	GREENVILLE LOOP RD	DOGWOOD LN EXTENSION	OAK BLUFF LN	NO	NA	LOW
523	GREENVILLE LOOP RD	OAK BLUFF LN	HEAD RD	NO	NA	LOW
524	GREENVILLE LOOP RD	HEAD RD	OLD MILITARY RD	NO	NA	LOW
525	GREENVILLE LOOP RD	OLD MILITARY RD	TURTLE HALL DR	NO	NA	LOW
526	GREENVILLE LOOP RD	TURTLE HALL DR	OLEANDER DR	NO	NA	LOW
527	DOGWOOD LN EXTENSION	WRIGHTSVILLE AVE	OLEANDER DR	NO	NA	LOW
528	DOGWOOD LN EXTENSION	GREENVILLE LOOP RD	PINE GROVE DR	NO	NA	LOW
529	BRADLEY CREEK PATH	RUXTON WAY	PFEIFFER AVE	NO	NA	LOW
530	PELICAN DR	MARINA ST	KEEL ST	NO	NA	LOW
531	PELICAN DR	KEEL ST	END	NO	NA	LOW
532	SALISBURY ST	PELICAN AVE	LUMINA AVE	NO	NA	LOW
533	BRUNSWICK FOREST PKWY	BRUNSWICK VILLAGE BLVD	LOW COUNTRY BLVD	NO	NA	LOW
534	BRUNSWICK VILLAGE BLVD	BRUNSWICK FOREST PKWY	END	NO	NA	LOW
535	Cedar Hill Rd	DANIELS RD	MT. MISERY RD	NO	NA	LOW
536	Mt. Misery Rd NE	VILLAGE RD	LELAND SCHOOL RD	NO	NA	LOW
537	Mt. Misery Rd NE	LELAND SCHOOL RD	LINCOLN RD NE	NO	NA	LOW
538	Mt. Misery Rd NE	CEDAR HILL RD NE	DOGWOOD RD NE	NO	NA	LOW
539	USS NORTH CAROLINA RD	US 421	END	NO	NA	LOW
540	THOMAS RHODES BRIDGE	USS NORTH CAROLINA RD	ISABEL HOLMES BRIDGE	NO	NA	LOW
541	US 421	RAIL CORRIDOR TRAIL	SAMPSON ST	NO	NA	LOW
542	US 421	SAMPSON ST	SUTTON STEAM PLANT RD	NO	NA	LOW
543	SUTTON STEAM PLANT RD	US 421	STEAM PLANT ENTRANCE	NO	NA	LOW
544	SUTTON STEAM PLANT ACCESS	SUTTON STEAM PLANT RD	END	NO	NA	LOW
545	US 421 RAIL CORRIDOR	SUTTON STEAM PLANT RD	SUTTON LAKE RD	NO	NA	LOW
546	SUTTON LAKE RD	US 421	US 421 RAIL CORRIDOR	NO	NA	LOW
547	SUTTON LAKE RD	US 421 RAIL CORRIDOR	SUTTON LAKE	NO	NA	LOW
548	US 421 RAIL CORRIDOR	SUTTON LAKE RD	PENDER-NEW HANOVER LINE	NO	NA	LOW
549	MONTAGUE RD	END	US 421	NO	NA	LOW
550	MONTAGUE RD	US 421	NC 210	NO	NA	LOW
551	NC HWY 210	MONTAGUE RD	CLARK LANDING LOOP RD	NO	NA	LOW
552	NC HWY 210	CLARK LANDING LOOP RD	NC 133/NC210 CONFLUENCE	NO	NA	LOW
553	NC 210	NC HWY 133/ NC 210 CONFLUENCE	CHESHIRE RD	NO	NA	LOW
554	NC 210	US 117	I-40	NO	NA	LOW
555	NC HWY 133	NC 210/NC 133 CONFLUENCE	CHESHIRE RD	NO	NA	LOW
556	US 117	NC 133	PENDER-NEW HANOVER LINE	NO	NA	LOW
557	VICTORIA RD CONNECTOR PATH	VICTORIA RD	CHADWICK AVE	NO	NA	LOW
558	I-140 PATH	RAIL CORRIDOR	END	NO	NA	LOW
559	RIVERWALK NORTH	N 3RD ST	CONVENTION CENTER	NO	NA	LOW
560	DOWNTOWN RAIL CORRIDOR	WATER ST	N 3RD ST	NO	NA	LOW
561	DOWNTOWN RAIL CORRIDOR	N 3RD ST	MCRAE ST	NO	NA	LOW
562	DOWNTOWN RAIL CORRIDOR	MCRAE ST	BESS ST	NO	NA	LOW
563	BESS ST	N 3RD ST	MCRAE ST	NO	NA	LOW
564	CORNELIUS HARNETT DR CONNECTOR	JEL WADE DR	N 3RD ST	NO	NA	LOW
565	CORNELIUS HARNETT DR	JEL WADE DR	MCRAE ST	NO	NA	LOW
566	RAILROAD ST	DOWNTOWN RAIL CORRIDOR	STANLEY ST	NO	NA	LOW
567	ARCHIE BLUE TRAIL	RAILROAD ST	SMITH CREEK BLVD EXTENSIO	NO	NA	LOW
568	SMITH CREEK BRIDGE	ARCHIE BLUE PARK	SMITH CREEK BLVD	NO	NA	LOW
569	SMITH CREEK BLVD	N 23RD ST	END	NO	NA	LOW
570	23RD ST	AIRPORT BLVD	CASTLE HAYNE RD	NO	NA	LOW
571	COLONIAL DR	PARK AVE	FOREST HILLS DR	NO	NA	LOW
572	DIVISION DR	CASTLE HAYNE RD	RAILROAD BED	NO	NA	LOW
573	AIRPORT AREA PATH	DIVISION DR	GARDNER RD	NO	NA	LOW
574	GARDNER RD	HEWLETT DR	BLUE CLAY RD	NO	NA	LOW
575	BLUE CLAY RD	GARDNER DR	N KERR AVE	NO	NA	LOW
576	BLUE CLAY RD	N KERR AVE	OLD MILL RD	NO	NA	LOW
577	BLUE CLAY RD	OLD MILL RD	RAILROAD TRACKS	NO	NA	LOW
578	RAILROAD CORRIDOR	BLUE CLAY RD	I-140	NO	NA	LOW
579	CASTLE HAYNE RD	LAUREL DR	KERR AVE	NO	NA	LOW
580	CASTLE HAYNE RD	LAUREL DR	OLD MILL RD	NO	NA	LOW
581	CASTLE HAYNE RD	OLD MILL RD	CHAIR RD	NO	NA	LOW
582	RAILROAD CORRIDOR	I-140	JUVENILE CENTER RD	NO	NA	LOW
583	PARK AVE	S KERR AVE	S COLLEGE RD	NO	NA	LOW
584	PARK AVE	S COLLEGE RD	WALLACE AVE	NO	NA	LOW
585	PARK AVE	52ND ST	FRENCH RD	NO	NA	LOW
586	PARK AVE	FRENCH RD	DOGWOOD LN EXTENSION	NO	NA	LOW
587	PARK AVE	DOGWOOD LN EXTENSION	HINTON AVE	NO	NA	LOW
588	PARK AVE	HINTON AVE	GREENVILLE AVE	NO	NA	LOW
589	WRIGHTSVILLE AVE	MILITARY CUTOFF RD	ROGERSVILLE RD	NO	NA	LOW
590	WRIGHTSVILLE AVE	ROGERSVILLE RD	HOOKER RD	NO	NA	LOW
591	HOOKER RD	WRIGHTSVILLE AVE	ROSE AVE	NO	NA	LOW
592	ROGERSVILLE RD	WRIGHTSVILLE AVE	LANDIS FARMS RD	NO	NA	LOW
593	WRIGHTSVILLE AVE	HOOKER RD	GREENVILLE AVE	NO	NA	LOW
594	WRIGHTSVILLE AVE	GREENVILLE AVE	ANDOVER RD	NO	NA	LOW
595	WRIGHTSVILLE AVE	ANDOVER RD	FRENCH RD	NO	NA	LOW
596	WRIGHTSVILLE AVE	N WALLACE AVE	S KERR AVE	NO	NA	LOW
597	WRIGHTSVILLE AVE	WILSHIRE BLVD	COLONIAL DR	NO	NA	LOW
598	WRIGHTSVILLE AVE	COLONIAL DR	DAWSON ST	NO	NA	LOW
599	MILITARY CUTOFF RD	WRIGHTSVILLE AVE	EASTWOOD RD	NO	NA	LOW
600	KERR AVE	WILSHIRE AVE	WRIGHTSVILLE AVE	NO	NA	LOW
601	KERR AVE	HOGGARD DR	WILSHIRE AVE	NO	NA	LOW

602	HURST DR EXTENSION	KERR AVE	COLLEGE RD	NO	NA	LOW
603	MCRARY PARK SOUTH LOOP	ROSEMONT AVE	RANDALL PKWY	NO	NA	LOW
604	SUNGLOW DRIVE PATH	SUNGLOW DR	BARCLAY HILLS DR	NO	NA	LOW
605	MLK PARKWAY SOUTHERN PATH	KERR AVE	INDEPENDENCE BLVD EXTENSION	NO	NA	LOW
606	MLK PKWY SOUTHERN PATH	INDEPENDENCE BLVD EXTENSION	N 30TH ST	NO	NA	LOW
607	MLK BLVD SOUTHERN PATH	N 30TH ST	23RD ST	NO	NA	LOW
608	STATION RD	MILITARY CUTOFF RD	ST NICHOLAS RD	NO	NA	LOW
609	ST NICHOLAS RD EXTENSION	NOBLE SCHOOL RD	STATION RD	NO	NA	LOW
610	COLUMB DR	NEW CENTRE DR	RINGO DR	NO	NA	LOW
611	RINGO DR	COLUMB DR	CANDO ST	NO	NA	LOW
612	BLAIR SCHOOL RD	MARKET ST	CHESTER ST	NO	NA	LOW
613	AMSTERDAM WAY	NETHERLANDS DR	N GREEN MEADOWS DR	NO	NA	LOW
614	N GREEN MEADOWS DR	AMSTERDAM WAY	MARKET ST	NO	NA	LOW
615	ALBEMARLE RD	DARWIN DR	HARLEY RD	NO	NA	LOW
616	DARWIN DR	LORD TENNYSON RD	ALBEMARLE RD	NO	NA	LOW
617	LORD TENNYSON RD	DARWIN DR	ALBEMARLE RD	NO	NA	LOW
618	KINGS GRANT RD	KINGS DR	LORD TENNYSON RD	NO	NA	LOW
619	KINGS RD	KINGS GRANT RD	SPRING BRANCH RD	NO	NA	LOW
620	I-40	KINGS DR	KINGS GRANT CREEK	NO	NA	LOW
621	I-40	KINGS GRANT CREEK	GORDON RD	NO	NA	LOW
622	KINGS GRANT CREEK	I-40	GORDON RD	NO	NA	LOW
623	SPRING BRANCH CREEK PATH	N KERR AVE	NOLAND DR	NO	NA	LOW
624	GRATHWOL DR	N KERR AVE	CHERYL LN	NO	NA	LOW
625	CHERYL LN	GRATHWOL DR	END	NO	NA	LOW
626	BRAMTON RD	SPRING BRANCH RD	END	NO	NA	LOW
627	SPRING BRANCH RD	KINGS DR	BRAMTON RD	NO	NA	LOW
628	I-40	KINGS DR	KINGS GRANT CREEK	NO	NA	LOW
629	I-40	KINGS GRANT CREEK	GORDON RD	NO	NA	LOW
630	KINGS GRANT CREEK	I-40	N KERR AVE	NO	NA	LOW
631	N KERR AVE	KINGS GRANT CREEK	GORDON RD	NO	NA	LOW
632	N KERR AVE	GORDON RD	BAVARIAN LN	NO	NA	LOW
633	GORDON RD	COLLEGE RD	HARRIS RD	NO	NA	LOW
634	GORDON RD	HARRIS RD	WHITE RD	NO	NA	LOW
635	GORDON RD	OGDEN PARK DR	MARKET ST	NO	NA	LOW
636	GORDON RD	MARKET ST	MILITARY CUTOFF RD	NO	NA	LOW
637	MILITARY CUTOFF RD	GORDON RD	MARKET ST	NO	NA	LOW
638	MARKET STREET	MILITARY CUTOFF RD	OGDEN PARK DR	NO	NA	LOW
639	MARKET ST	CAPE HARBOR DR	OGDEN PARK DR	NO	NA	LOW
640	MARKET ST	OGDEN PARK DR	LENDIRE RD	NO	NA	LOW
641	MARKET ST	LENDIRE RD	TORCHWOOD BLVD	NO	NA	LOW
642	OGDEN PARK CONNECTOR TRAIL	TORCHWOOD BLVD	PLANTATION RD	NO	NA	LOW
643	HAMPSTEAD BYPASS	PLANTATION RD	SIDBURY RD	NO	NA	LOW
644	HAMPSTEAD BYPASS	NC 210	SIDBURY RD	NO	NA	LOW
645	I-140	CASTLE HAYNE RD	RAILROAD CORRIDOR	NO	NA	LOW
646	I-140	BLUE CLAY RD	N COLLEGE RD	NO	NA	LOW
647	GLEN EDEN DR	N COLLEGE RD	EDUCATION LOOP	NO	NA	LOW
648	N COLLEGE RD	GLEN EDEN DR	PARMELE RD	NO	NA	LOW
649	N COLLEGE RD	PARMELE RD	PRINCE GEORGE CREEK	NO	NA	LOW
650	CASTLE HAYNE ELEMENTARY SCHOOL PATH	N COLLEGE RD	HOLLY SHELTER RD	NO	NA	LOW
651	ORANGE ST	HOLLY SHELTER RD	CAPE LANDING RD	NO	NA	LOW
652	N COLLEGE RD	BAVARIAN LN	LOGANBERRY RD	NO	NA	LOW
653	LOGANBERRY RD	BLUEBERRY RD	GORDON RD	NO	NA	LOW
654	SMITH CREEK PARK TRAIL	BRITTANY RD	GORDON RD	NO	NA	LOW
655	BRITTANY RD	SMITH CREEK PARK TRAIL	MURRAYVILLE RD	NO	NA	LOW
656	MURRAYVILLE RD	BRITTANY RD	I-40	NO	NA	LOW
657	SMITH CREEK TRAIL	COLLEGE RD	MURRAYVILLE RD	NO	NA	LOW
658	I-40	MURRAYVILLE RD	I-140	NO	NA	LOW
659	I-140	I-40	CROOKED PINE RD	NO	NA	LOW
660	I-140	CROOKED PINE RD	MARKET ST	NO	NA	LOW
661	MARKET ST	PORTERS NECK RD	I-140	NO	NA	LOW
662	MENDENHALL DR	MARKET ST	PLACID DR	NO	NA	LOW
663	PLACID DR	MENDENHALL DR	COUNTRY HAVEN DR	NO	NA	LOW
664	COUNTRY HAVEN DR	PLACID DR	LILLY POND DR	NO	NA	LOW
665	LILLY POND DR	COUNTRY HAVEN DR	CONNECTION TO PLANTATION RD	NO	NA	LOW
666	CONNECTION FROM LOWES TO PLANTATION RD	CYPRESS POND WAY	LILLY POND DR	NO	NA	LOW
667	CYPRESS POND WAY	MARKET ST	CONNECTION TO PLANTATION RD	NO	NA	LOW
668	HOLLY SHELTER RD	CASTLE HAYNE RD	I-40	NO	NA	LOW
669	HOLLY SHELTER RD	BLUE CLAY RD	IDEAL CEMENT RD	NO	NA	LOW
670	NC 210	I 40	NORTHEAST CAPE FEAR RIVER	NO	NA	LOW
671	210 B	NORTHEAST CAPE FEAR RIVER	MERRICKS CREEK	NO	NA	LOW
672	NC 210	NAVILLUS BLVD	ROYAL OAKS DR	NO	NA	LOW
673	RED CEDAR RD	HAWK RD	MIDDLE SOUND LOOP RD	NO	NA	LOW
674	MIDDLE SOUND LOOP RD EXTENSION	MARKET ST	MARKET ST RAIL CORRIDOR	NO	NA	LOW
675	MIDDLE SOUND LOOP RD	MARKET ST	RED CEDAR RD	NO	NA	LOW
676	MIDDLE SOUND LOOP RD	RED CEDAR RD	DARDEN RD	NO	NA	LOW
677	MIDDLE SOUND LOOP RD	RED CEDAR RD	PROVIDENCE RD/WELLINGTON DR	NO	NA	LOW
678	MIDDLE SOUND LOOP RD	PROVIDENCE RD/WELLINGTON DR	STONEBROOK RD	NO	NA	LOW
679	MIDDLE SOUND LOOP RD	STONEBROOK RD	ANCHORS BEND WAY	NO	NA	LOW
680	ANCHORS BEND WAY PATH	LORD DR	MIDDLE SOUND LOOP RD	NO	NA	LOW
681	MIDDLE SOUND LOOP RD	ANCHORS BEND WAY	DUNBAR RD	NO	NA	LOW
682	MIDDLE SOUND LOOP RD	RED CEDAR RD	DUNBAR RD	NO	NA	LOW
683	BRIGHT LEAF RD	OYSTER LN	WENDOVER LN	NO	NA	LOW
684	WENDOVER LN	BRIGHT LEAF RD	OYSTER LN	NO	NA	LOW
685	MARSH OAKS RD	BAYSHORE DR	MARSH REACH DR	NO	NA	LOW
686	MARSH REACH DR	MARSH OAKS RD	FOLLY ISLAND CT	NO	NA	LOW
687	FOLLY ISLAND CT	MARSH REACH DR	END	NO	NA	LOW
688	PORTERS CROSSING WAY	PORTERS NECK RD	END	NO	NA	LOW
689	RIESLING AVE	WINERY WAY	FUTCH CREEK RD	NO	NA	LOW
690	PENDER-NEW HANOVER LINE	MARKET ST	FUTCH CREEK	NO	NA	LOW
691	ATLANTIC AVE	K AVE	N AVE	NO	NA	LOW
692	TENNESSEE AVE	SWORDFISH LN	N LAKE PARK BLVD	NO	NA	LOW
693	MANNASSAS DR	CAROLINA BEACH RD	APPOMATTOX DR	NO	NA	LOW
694	SONDEY RD EXTENSION	CASTLE HAYNE RD	RAILROAD	NO	NA	LOW
695	PENDER CONNECTOR TRAIL	OGDEN PARK CONNECTOR TRAIL	COUNTY LINE	NO	NA	LOW
696	ISLAND CREEK RD	IDEAL CEMENT RD	ROYAL OAKS DR	NO	NA	LOW
697	Scotts Hill Loop Rd	SALEM CT	GREAT PINE CT	NO	NA	LOW
698	NC 210	MERRICKS CREEK	NAVILLUS BLVD	NO	NA	LOW
699	ISLAND CREEK RD	ROYAL OAK CT	US HWY 17	NO	NA	LOW
700	US 17 Hampstead	WHITEBRIDGE RD	LODGE RD	NO	NA	LOW
701	Country Club Dr	US HWY 17	SLOOP POINT LOOP RD	NO	NA	LOW
702	Sloop Pt Loop Rd	COUNTRY CLUB DR	US HWY 17	NO	NA	LOW

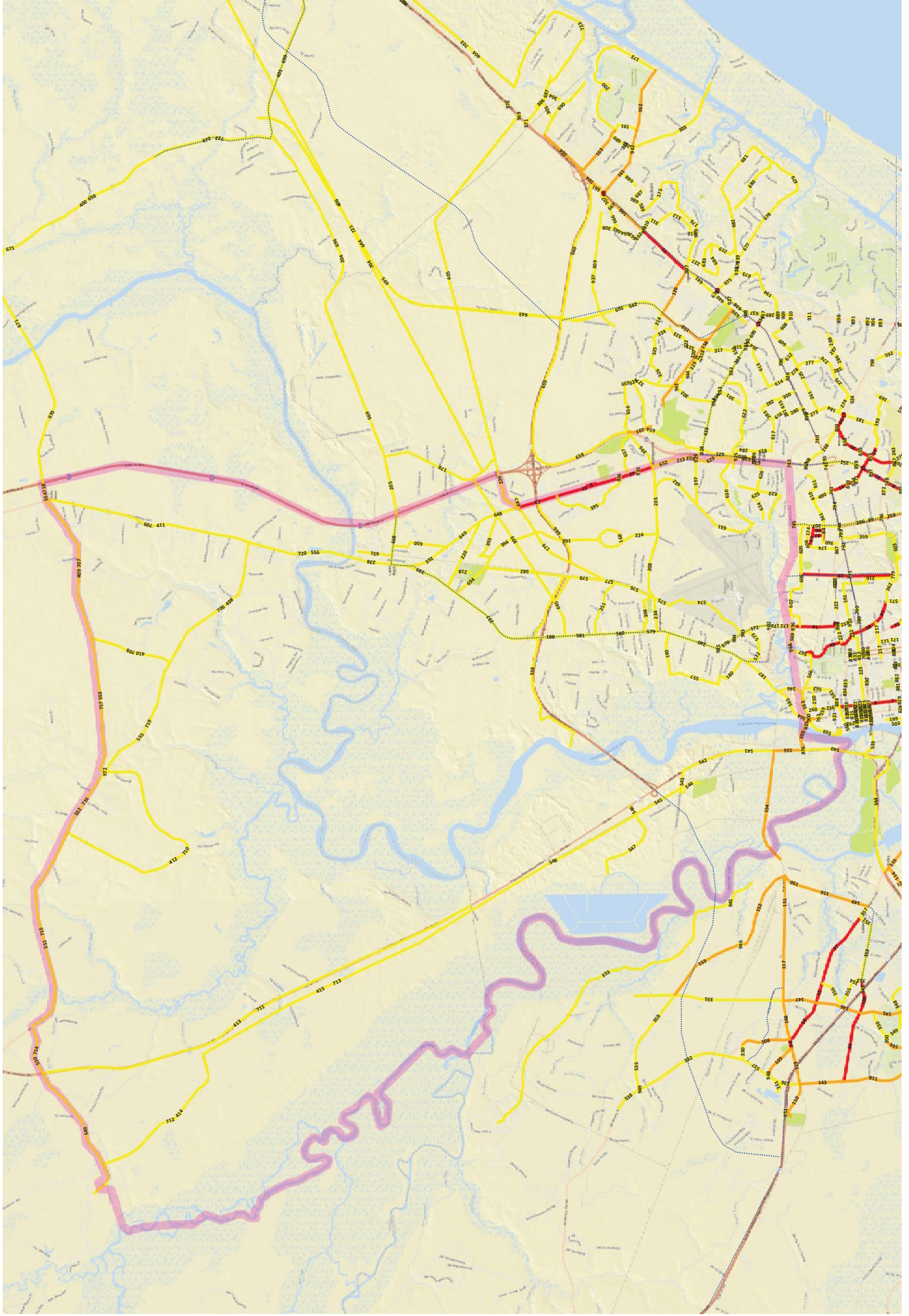
703	US 17 Hampstead Frontage Path	WHITEBRIDGE RD	SCOTTS HILL LOOP RD	NO	NA	LOW
704	Hampstead Bypass Path	DAIRY FARM RD	OLD WHITFIELD RD	NO	NA	LOW
705	US 17 Hampstead Connection	POWER EASEMENT	US HWY 17	NO	NA	LOW
706	NC HWY 133	CHESHIRE RD	US 117	NO	NA	LOW
707	NC 210	CHESHIRE RD	US 117	NO	NA	LOW
708	CHESHIRE RD	NC HWY 210	NC HWY 133	NO	NA	LOW
709	US HWY 117 S	NC 210	NC 133	NO	NA	LOW
710	Clarks Landing Loop	NC HWY 210	END	NO	NA	LOW
711	US 421 N	MONTAGUE RD	PENDER-NEW HANOVER LINE	NO	NA	LOW
712	Blueberry rd	MONTAGUE RD	END	NO	NA	LOW
713	US 421 S	BLUEBERRY RD	EXISTING GREENWAY ROUTE	NO	NA	LOW
714	MONTAGUE RD	US 421	NC 210	NO	NA	LOW
715	NC HWY 210	MONTAGUE RD	CLARK LANDING LOOP RD	NO	NA	LOW
716	NC HWY 210	CLARK LANDING LOOP RD	NC 133/NC210 CONFLUENCE	NO	NA	LOW
717	NC 210	NC HWY 133/ NC 210 CONFLUENCE	CHESHIRE RD	NO	NA	LOW
718	NC 210	US 117	I-40	NO	NA	LOW
719	NC HWY 133	NC 210/NC 133 CONFLUENCE	CHESHIRE RD	NO	NA	LOW
720	US 117	NC 133	PENDER-NEW HANOVER LINE	NO	NA	LOW
721	HAMPSTEAD BYPASS	NC 210	SIDBURY RD	NO	NA	LOW
722	NC 210	NAVILLUS BLVD	ROYAL OAKS DR	NO	NA	LOW
723	SCOTTS HILL LOOP ROAD	US17	LAFAYETTE ST	NO	NA	LOW
724	US 17 HAMPSTEAD FRONTAGE PATH	SCOTTS HILL LOOP RD	LEA DR EXT	NO	NA	LOW
725	FACTORY ROAD	US17	LEA DR EXT	NO	NA	LOW
726	LEA DR EXT	LEA DR EXT	US 17	NO	NA	LOW
727	HOOVER ROAD	US17	TIM MOORE DR	NO	NA	LOW
728	HOOVER ROAD	TIM MOORE DR	HIGHLANDS DR	NO	NA	LOW
729	OLDE POINT ROAD	COUNTRY CLUB ROAD	KINGS LANDING ROAD	NO	NA	LOW
730	KINGS LANDING ROAD	OLDE POINT RD	COUNTRY CLUB RD	NO	NA	LOW
731	AVILA DR EXT	US17	COUNTRY CLUB RD	NO	NA	LOW
732	LEWIS RD	SLOOP POINT LOOP RD	END	NO	NA	LOW
733	POWER LINE EASEMENT	SLOOP POINT RD	STRICKLAND DR	NO	NA	LOW
734	Snows Cut Bridge Path	Old Dow Road	Annie Drive	NO	NA	LOW
735	WOOSTER STREET	8TH STREET	OLEANDER DRIVE	NO	NA	LOW
736	PEACHTREE DRIVE	PARK AVE	MACMILLAN AVE	NO	NA	LOW
737	CORAL DRIVE	CAUSEWAY DRIVE	4TH AVE	NO	NA	LOW
738	VETERANS PARK TRAIL	HALYBURTON MEMORIAL PARKWAY	ATHLETIC FIELDS	NO	NA	LOW
739	Floral Parkway	Wrightsville Ave	Fordham Rd entrance to mall	NO	NA	LOW
740	MARKET ST & MARTIN LUTHER KING JR PKWY/EASTWOOD RD	INTERSECTION	INTERSECTION	NO	NA	LOW
741	MARKET ST & COLLEGE RD WEST RAMP	INTERSECTION	INTERSECTION	NO	NA	LOW
742	COLLEGE RD & MARTIN LUTHER KING JR PKWY	INTERSECTION	INTERSECTION	NO	NA	LOW
743	MARKET ST & NEW CENTRE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
744	MARKET ST & KERR AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
745	KERR AVE & MARTIN LUTHER KING JR PKWY	INTERSECTION	INTERSECTION	NO	NA	LOW
746	KERR AVE & RANDALL PKWY	INTERSECTION	INTERSECTION	NO	NA	LOW
747	KERR AVE & WRIGHTSVILLE AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
748	COLLEGE RD & RANDALL PKWY	INTERSECTION	INTERSECTION	NO	NA	LOW
749	COLLEGE RD & WRIGHTSVILLE AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
750	COLLEGE RD & PEACHTREE AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
751	COLLEGE RD & 17TH ST/WALTMOOR RD	INTERSECTION	INTERSECTION	NO	NA	LOW
752	COLLEGE RD & SHIPYARD BLVD/LONG LEAF HILLS	INTERSECTION	INTERSECTION	NO	NA	LOW
753	17TH ST & INDEPENDENCE BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
754	CAROLINA BEACH RD & SHIPYARD BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
755	OLEANDER DR & INDEPENDENCE BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
756	17TH ST & WOOSTER ST	INTERSECTION	INTERSECTION	NO	NA	LOW
757	5TH AVE & WOOSTER ST	INTERSECTION	INTERSECTION	NO	NA	LOW
758	3RD ST & WOOSTER ST	INTERSECTION	INTERSECTION	NO	NA	LOW
759	3RD ST & DAWSON ST	INTERSECTION	INTERSECTION	NO	NA	LOW
760	17TH ST & MARKET ST	INTERSECTION	INTERSECTION	NO	NA	LOW
761	16TH ST & MARKET ST	INTERSECTION	INTERSECTION	NO	NA	LOW
762	3RD ST & MARKET ST	INTERSECTION	INTERSECTION	NO	NA	LOW
763	MARTIN LUTHER KING BLV /3RD ST & FRONT ST/DAVIS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
764	OLEANDER DR & FLORAL PKWY/FORDHAM RD	INTERSECTION	INTERSECTION	NO	NA	LOW
765	OLEANDER DR & 39TH ST	INTERSECTION	INTERSECTION	NO	NA	LOW
766	OLEANDER DR & MALL ENTRANCE	INTERSECTION	INTERSECTION	NO	NA	LOW
767	OLEANDER DR & AUDUBON BLVD/LINCOLN RD	INTERSECTION	INTERSECTION	NO	NA	LOW
768	OLEANDER DR & 41ST ST	INTERSECTION	INTERSECTION	NO	NA	LOW
769	OLEANDER DR & 42ND ST	INTERSECTION	INTERSECTION	NO	NA	LOW
770	INDEPENDENCE BLVD & PARK AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
771	WRIGHTSVILLE AVE & FLORAL AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
772	OLEANDER DR & DAWSON ST	INTERSECTION	INTERSECTION	NO	NA	LOW
773	OLEANDER DR & COUNTRY CLUB RD	INTERSECTION	INTERSECTION	NO	NA	LOW
774	OLEANDER DR & HAWTHORNE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
775	SHIPYARD BLVD & HOLLY TREE RD/41ST ST	INTERSECTION	INTERSECTION	NO	NA	LOW
776	INDEPENDENCE BLVD & CANTERBURY RD	INTERSECTION	INTERSECTION	NO	NA	LOW
777	WRIGHTSVILLE AVE & DAWSON ST	INTERSECTION	INTERSECTION	NO	NA	LOW
778	WRIGHTSVILLE AVE & INDEPENDENCE BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
779	INDEPENDENCE/COVIL & RANDALL/MERCER	INTERSECTION	INTERSECTION	NO	NA	LOW
780	WRIGHTSVILLE AVE & WILSHIRE BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
781	COLLEGE RD & KMART SHOPPING CENTER	INTERSECTION	INTERSECTION	NO	NA	LOW
782	COLLEGE RD & RIEGEL DR	INTERSECTION	INTERSECTION	NO	NA	LOW
783	CAROLINA BEACH RD & NORTHERN BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
784	CAROLINA BEACH RD & CENTRAL BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
785	CAROLINA BEACH RD & SOUTHERN BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
786	CAROLINA BEACH RD & RALEIGH ST/PARKWAY BLV	INTERSECTION	INTERSECTION	NO	NA	LOW
787	CAROLINA BEACH RD & INDEPENDENCE BLVD	INTERSECTION	INTERSECTION	NO	NA	LOW
788	CAROLINA BEACH RD & G ANDERSON/ECHO FARMS	INTERSECTION	INTERSECTION	NO	NA	LOW
789	23RD ST & MARKET ST	INTERSECTION	INTERSECTION	NO	NA	LOW
790	MARKET ST & FOREST HILLS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
791	MARKET ST & COVIL AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
792	MARKET ST & BARCLAY HILLS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
793	MARKET ST & NORTH 17 SHOPPING CENTER	INTERSECTION	INTERSECTION	NO	NA	LOW
794	MARKET ST & LULLWATER DR	INTERSECTION	INTERSECTION	NO	NA	LOW
795	MARKET ST & COLLEGE RD EAST RAMP	INTERSECTION	INTERSECTION	NO	NA	LOW
796	MARKET ST & BLAIR SCHOOL RD	INTERSECTION	INTERSECTION	NO	NA	LOW
797	MILITARY CUTOFF RD & GORDON RD	INTERSECTION	INTERSECTION	NO	NA	LOW
798	EASTWOOD RD & ROGERSVILLE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
799	EASTWOOD RD & PLAZA EAST/HAMPTON INN	INTERSECTION	INTERSECTION	NO	NA	LOW
800	WRIGHTSVILLE AVE & MILITARY CUTOFF RD	INTERSECTION	INTERSECTION	NO	NA	LOW
801	WRIGHTSVILLE AVE & HAWTHORNE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
802	WRIGHTSVILLE AVE & MACMILLAN AVD	INTERSECTION	INTERSECTION	NO	NA	LOW
803	WRIGHTSVILLE AVE & COLONIAL DR/COUNTRY CLUB DR	INTERSECTION	INTERSECTION	NO	NA	LOW

804	17TH ST & CASTLE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
805	16TH ST & CASTLE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
806	17ST ST & DOCK ST	INTERSECTION	INTERSECTION	NO	NA	LOW
807	16TH ST & DOCK ST	INTERSECTION	INTERSECTION	NO	NA	LOW
808	17TH AND GRACE ST/PRINCESS PL DR	INTERSECTION	INTERSECTION	NO	NA	LOW
809	2ND ST & MARKET ST	INTERSECTION	INTERSECTION	NO	NA	LOW
810	FRONT ST & MARKET ST	INTERSECTION	INTERSECTION	NO	NA	LOW
811	FRONT ST & GRACE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
812	3RD ST N & PRINCESS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
813	3RD ST N & CHESTNUT ST	INTERSECTION	INTERSECTION	NO	NA	LOW
814	3RD ST N & GRACE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
815	3RD ST N & WALNUT ST	INTERSECTION	INTERSECTION	NO	NA	LOW
816	2ND ST & PRINCESS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
817	2ND ST & CHESTNUT ST	INTERSECTION	INTERSECTION	NO	NA	LOW
818	2ND ST & GRACE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
819	3RD ST N & RED CROSS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
820	4TH ST & GRACE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
821	5TH AVE & GRACE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
822	4TH ST & CHESTNUT ST	INTERSECTION	INTERSECTION	NO	NA	LOW
823	5TH AVE & CHESTNUT ST	INTERSECTION	INTERSECTION	NO	NA	LOW
824	4TH ST & PRINCESS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
825	5TH AVE & PRINCESS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
826	4TH ST & MARKET ST	INTERSECTION	INTERSECTION	NO	NA	LOW
827	5TH AVE & MARKET ST	INTERSECTION	INTERSECTION	NO	NA	LOW
828	3RD ST & CASTLE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
829	5TH AVE & CASTLE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
830	MARKET ST & 10TH ST	INTERSECTION	INTERSECTION	NO	NA	LOW
831	16TH ST & CHESTNUT ST	INTERSECTION	INTERSECTION	NO	NA	LOW
832	16TH ST & PRINCESS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
833	5TH AVE & RED CROSS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
834	8TH ST/MCRAE ST & RED CROSS ST/RANKIN ST	INTERSECTION	INTERSECTION	NO	NA	LOW
835	RANKIN ST & 10TH ST	INTERSECTION	INTERSECTION	NO	NA	LOW
836	3RD ST & GREENFIELD ST	INTERSECTION	INTERSECTION	NO	NA	LOW
837	GREENFIELD ST & 5TH AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
838	16TH ST & GREENFIELD ST	INTERSECTION	INTERSECTION	NO	NA	LOW
839	GREENFIELD ST & 13TH ST	INTERSECTION	INTERSECTION	NO	NA	LOW
840	13TH ST & DAWSON ST	INTERSECTION	INTERSECTION	NO	NA	LOW
841	5TH AVE & DAWSON ST	INTERSECTION	INTERSECTION	NO	NA	LOW
842	10TH ST & DAWSON ST	INTERSECTION	INTERSECTION	NO	NA	LOW
843	17TH ST & SAVANNAH CT/HOSPITAL PLAZA DR	INTERSECTION	INTERSECTION	NO	NA	LOW
844	16TH ST & ROBIN HOOD RD	INTERSECTION	INTERSECTION	NO	NA	LOW
845	17TH ST & MEDICAL CENTER DR	INTERSECTION	INTERSECTION	NO	NA	LOW
846	17TH ST & GLEN MEADE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
847	17TH ST & WELLINGTON AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
848	17TH ST & J D BARRY DR/ST ANDREWS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
849	SHIPYARD BLVD & LONGSTREET DR/CONVERSE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
850	COLLEGE RD & LAKE AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
851	41ST ST & LAKE AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
852	INDEPENDENCE BLVD & MALL ENTRANCE	INTERSECTION	INTERSECTION	NO	NA	LOW
853	OLEANDER DR & COLUMBUS CIR/ MIMOSA PL	INTERSECTION	INTERSECTION	NO	NA	LOW
854	COLLEGE RD & HOGGARD DR/HURST DR	INTERSECTION	INTERSECTION	NO	NA	LOW
855	COLLEGE RD & UNIVERSITY DR	INTERSECTION	INTERSECTION	NO	NA	LOW
856	RACINE DR & NEW CENTRE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
857	COLLEGE RD & UNIVERSITY SHOP CENTERS	INTERSECTION	INTERSECTION	NO	NA	LOW
858	COLLEGE RD & ORIOLE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
859	RACINE DR & ORIOLE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
860	EASTWOOD RD & RACINE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
861	COLLEGE RD & HUNTERS TRL	INTERSECTION	INTERSECTION	NO	NA	LOW
862	23RD ST & PRINCESS PLACE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
863	PRINCESS PLACE DR & 30TH ST	INTERSECTION	INTERSECTION	NO	NA	LOW
864	PINE GROVE RD & HOLLY TREE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
865	COLLEGE RD & PINE VALLEY RD	INTERSECTION	INTERSECTION	NO	NA	LOW
866	COLLEGE RD & BRAGG DR	INTERSECTION	INTERSECTION	NO	NA	LOW
867	PRINCESS PLACE DR & FIRE STATION	INTERSECTION	INTERSECTION	NO	NA	LOW
868	RACINE DR & CARL ST	INTERSECTION	INTERSECTION	NO	NA	LOW
869	NEW CENTRE DR & BOB KING DR	INTERSECTION	INTERSECTION	NO	NA	LOW
870	COLLEGE RD & KINGS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
871	NEW CENTRE DR & SHOPPING CENTER	INTERSECTION	INTERSECTION	NO	NA	LOW
872	RANDALL PKWY & SHOPPING CENTER	INTERSECTION	INTERSECTION	NO	NA	LOW
873	OLEANDER DR & WALLACE AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
874	PINE GROVE DR & WALLACE AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
875	PINE GROVE DR & LONG LEAF HILLS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
876	421/133/117	INTERSECTION	INTERSECTION	NO	NA	LOW
877	4TH ST & RED CROSS ST	INTERSECTION	INTERSECTION	NO	NA	LOW
878	16TH ST & GRACE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
879	13TH ST & WOOSTER ST	INTERSECTION	INTERSECTION	NO	NA	LOW
880	10TH ST & WOOSTER ST	INTERSECTION	INTERSECTION	NO	NA	LOW
881	8TH ST & CASTLE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
882	10TH ST & CASTLE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
883	13TH ST & CASTLE ST	INTERSECTION	INTERSECTION	NO	NA	LOW
884	CAROLINA BEACH RD & FIRE STATION	INTERSECTION	INTERSECTION	NO	NA	LOW
885	SHIPYARD BLVD & HOGGARD H S/SHOPPING CENTER	INTERSECTION	INTERSECTION	NO	NA	LOW
886	COLLEGE RD & CASCADE RD/SHOPPING CENTER	INTERSECTION	INTERSECTION	NO	NA	LOW
887	COLLEGE RD & PINECLIFF DR/CFA SCHOOL	INTERSECTION	INTERSECTION	NO	NA	LOW
888	6TH ST BRIDGE	INTERSECTION	INTERSECTION	NO	NA	LOW
889	MILITARY CUTOFF RD & COVIL FARM RD	INTERSECTION	INTERSECTION	NO	NA	LOW
890	MILITARY CUTOFF RD & SIR TYLER DR/MAIN ST	INTERSECTION	INTERSECTION	NO	NA	LOW
891	MILITARY CUTOFF RD & DESTINY WAY_FRESCO DR	INTERSECTION	INTERSECTION	NO	NA	LOW
892	MILITARY CUTOFF RD & PARKER FARM DR	INTERSECTION	INTERSECTION	NO	NA	LOW
893	MILITARY CUTOFF RD & DRYSDALE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
894	EASTWOOD RD & PEMBROKE JONE DR/LIONS GATE	INTERSECTION	INTERSECTION	NO	NA	LOW
895	17TH ST & GEORGE ANDERSON DR	INTERSECTION	INTERSECTION	NO	NA	LOW
896	N 23RD ST & MARTIN LUTHER KING BLV RAMP	INTERSECTION	INTERSECTION	NO	NA	LOW
897	RANDALL DR & RACINE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
898	HAMILTON DR & HURST DR	INTERSECTION	INTERSECTION	NO	NA	LOW
899	MARKET ST & CARDINAL DR	INTERSECTION	INTERSECTION	NO	NA	LOW
900	MARTIN LUTHER KING JR PKWY & ISABEL HOLMES BRIDGE	INTERSECTION	INTERSECTION	NO	NA	LOW
901	ISABEL HOLMES BRIDGE	INTERSECTION	INTERSECTION	NO	NA	LOW
902	N 23RD ST & MARTIN LUTHER KING BLV RAMP	INTERSECTION	INTERSECTION	NO	NA	LOW
903	N 23RD ST & AIRPORT BLV	INTERSECTION	INTERSECTION	NO	NA	LOW
904	N 23RD ST & BLUE CLAY RD	INTERSECTION	INTERSECTION	NO	NA	LOW

905	N 23RD ST & CASTLE HAYNE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
906	MILITARY CUTOFF RD & FIRE STATION 9	INTERSECTION	INTERSECTION	NO	NA	LOW
907	MARKET ST & BAYSHORE DR TORCHWOOD BLV	INTERSECTION	INTERSECTION	NO	NA	LOW
908	MARKET ST & MILITARY CUTOFF RD	INTERSECTION	INTERSECTION	NO	NA	LOW
909	MILITARY CUTOFF RD & ARBORETUM DR	INTERSECTION	INTERSECTION	NO	NA	LOW
910	MILITARY CUTOFF RD & STATION RD	INTERSECTION	INTERSECTION	NO	NA	LOW
911	MILITARY CUT OFF RD & CAYMAN CT/TOWN CENTER DR	INTERSECTION	INTERSECTION	NO	NA	LOW
912	CAROLINA BEACH RD & SILVA TERRA DR	INTERSECTION	INTERSECTION	NO	NA	LOW
913	CAROLINA BEACH RD & ANTOINETTE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
914	CAROLINA BEACH RD & COLLEGE RD/PINER RD	INTERSECTION	INTERSECTION	NO	NA	LOW
915	CAROLINA BEACH RD & SERVICE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
916	CAROLINA BEACH RD & SANDERS RD	INTERSECTION	INTERSECTION	NO	NA	LOW
917	COLLEGE RD & LOWES/NHC LIBRARY DRIVES	INTERSECTION	INTERSECTION	NO	NA	LOW
918	COLLEGE RD & MOHICAN TRL	INTERSECTION	INTERSECTION	NO	NA	LOW
919	CAROLINA BEACH RD & MEDICAL CENTER DR	INTERSECTION	INTERSECTION	NO	NA	LOW
920	17TH ST & NEW HANOVER MED PARK ROBIN HOOD DR	INTERSECTION	INTERSECTION	NO	NA	LOW
921	3RD ST N & BRUNSWICK ST	INTERSECTION	INTERSECTION	NO	NA	LOW
922	CAROLINA BEACH RD & ROSA PARKS LN	INTERSECTION	INTERSECTION	NO	NA	LOW
923	DOGWOOD LN & OLEANDER DR	INTERSECTION	INTERSECTION	NO	NA	LOW
924	EASTWOOD RD & DUNGANNON BLVD/ LONG LEAF ACRES DR	INTERSECTION	INTERSECTION	NO	NA	LOW
925	N COLLEGE RD & KINGS GRANT RD	INTERSECTION	INTERSECTION	NO	NA	LOW
926	US 17/MARKET ST & N GREEN MEADOWS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
927	US 17 MARKET ST & OGDEN PARK DR	INTERSECTION	INTERSECTION	NO	NA	LOW
928	GORDON RD & I-40 ONRAMP	INTERSECTION	INTERSECTION	NO	NA	LOW
929	N COLLEGE RD & GORDON RD	INTERSECTION	INTERSECTION	NO	NA	LOW
930	GORDON RD & NETHERLANDS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
931	GORDON RD & OGDEN PARK DR	INTERSECTION	INTERSECTION	NO	NA	LOW
932	GORDON RD & GORDON ACRES DR	INTERSECTION	INTERSECTION	NO	NA	LOW
933	GORDON RD & WHITE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
934	GORDON RD & HARRIS RD	INTERSECTION	INTERSECTION	NO	NA	LOW
935	N COLLEGE RD & LONG RIDGE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
936	N COLLEGE RD & NEW VILLAGE WY	INTERSECTION	INTERSECTION	NO	NA	LOW
937	PLANTATION RD & MILITARY CUTOFF EXTENSION	INTERSECTION	INTERSECTION	NO	NA	LOW
938	MIDDLE SOUND LOOP RD & RED CEDAR RD	INTERSECTION	INTERSECTION	NO	NA	LOW
939	MIDDLE SOUND LOOP RD & DARDEN RD	INTERSECTION	INTERSECTION	NO	NA	LOW
940	BISCAYNE DR & SCORPION DR	INTERSECTION	INTERSECTION	NO	NA	LOW
941	US 17/MARKET ST & MARSH OAKS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
942	PORTERS NECK RD & EDGEWATER CLUB RD	INTERSECTION	INTERSECTION	NO	NA	LOW
943	SHENANDOAH ST & SUNCOAST DR	INTERSECTION	INTERSECTION	NO	NA	LOW
944	WHITE RD & SUNCOAST DR	INTERSECTION	INTERSECTION	NO	NA	LOW
945	I-140 & ROYSTER RD NE	INTERSECTION	INTERSECTION	NO	NA	LOW
946	I-140 & CEDAR HILL RD	INTERSECTION	INTERSECTION	NO	NA	LOW
947	US 74/ANDREW JACKSON HWY & OLD FAYETTEVILLE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
948	LANVALE RD & LELAND SCHOOL RD NE	INTERSECTION	INTERSECTION	NO	NA	LOW
949	MT MISERY RD & CEDAR HILL RD NE	INTERSECTION	INTERSECTION	NO	NA	LOW
950	GRANDIFLORA DR & TIMBER LN EXTENSION	INTERSECTION	INTERSECTION	NO	NA	LOW
951	US 74 ANDREW JACKSON HIGHWAY & MERCANTILE DR NE	INTERSECTION	INTERSECTION	NO	NA	LOW
952	WILSHIRE BLVD & PAGE AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
953	WILSHIRE BLVD & BONHAM AVE	INTERSECTION	INTERSECTION	NO	NA	LOW
954	NEW CENTRE DR & DAPPLE CT	INTERSECTION	INTERSECTION	NO	NA	LOW
955	CHESTNUT ST & 23RD ST	INTERSECTION	INTERSECTION	NO	NA	LOW
956	SHIPYARD BLV & WORTH DR	INTERSECTION	INTERSECTION	NO	NA	LOW
957	CAROLINA BEACH RD	INTERSECTION	INTERSECTION	NO	NA	LOW
958	CAROLINA BEACH RD & SAINT ANDREWS DR	INTERSECTION	INTERSECTION	NO	NA	LOW
959	CAROLINA BEACH RD & SILVER LAKE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
960	RIVER RD & NORTH RIVER RD TRAIL	INTERSECTION	INTERSECTION	NO	NA	LOW
961	S FORT FISHER BLVD & PRIVATE RD	INTERSECTION	INTERSECTION	NO	NA	LOW
962	HOLLY TREE RD & PINE GROVE DR	INTERSECTION	INTERSECTION	NO	NA	LOW
963	US HWY 17 & COUNTRY CLUB RD	INTERSECTION	INTERSECTION	NO	NA	LOW
964	US HWY 210 & US HWY 17	INTERSECTION	INTERSECTION	NO	NA	LOW
965	US HWY 17 & FACTORY RD	INTERSECTION	INTERSECTION	NO	NA	LOW
966	US HWY 17 & HOOVER RD	INTERSECTION	INTERSECTION	NO	NA	LOW
967	US HWY 17 & SCHOOLS	INTERSECTION	INTERSECTION	NO	NA	LOW
968	US HWY 17	INTERSECTION	INTERSECTION	NO	NA	LOW
969	SIDBURY RD & US HWY 17	INTERSECTION	INTERSECTION	NO	NA	LOW
970	US HWY 17 & SCOTTS HILL LOOP RD	INTERSECTION	INTERSECTION	NO	NA	LOW
971	US HWY 17 & SCOTTS HILL LOOP RD	INTERSECTION	INTERSECTION	NO	NA	LOW
972	NC HWY 210/NC HWY 133/CLARKS LANDING RD	INTERSECTION	INTERSECTION	NO	NA	LOW
973	Ocean Ave & Island Greenway	INTERSECTION	INTERSECTION	NO	NA	LOW
974	Spartanburg Ave & Island Greenway	INTERSECTION	INTERSECTION	NO	NA	LOW
975	Sumter Ave & Island Greenway	INTERSECTION	INTERSECTION	NO	NA	LOW



SECTION 3 MAP
BIKE PED COMMITTEE



Section 3 Project List

ID	NAME	FROM	TO	MTP	PRIORITY	MILEAGE
3	N. COLLEGE RD	NEW TOWN RD	DANNY PENCE DR	YES	HIGH	0.187
15	N COLLEGE RD	NE NORTHCHASE PKWY	NEW VILLAGE WAY	YES	HIGH	1.366
27	N COLLEGE RD	NEW VILLAGE WAY	BAVARIAN LN	YES	HIGH	0.725
42	N COLLEGE RD	BLUE CLAY RD	NORTHCHASE PKWY	YES	HIGH	0.843
103	ISABEL S HOLMES BRIDGE	US HWY 421	FRONT ST	NO	MEDIUM	0.879
154	RAIL CORRIDOR TRAIL	US 421	QUALITY DR NE	NO	MEDIUM	2.356
155	US 421	ISABEL HOLMES BRIDGE	RAIL CORRIDOR	NO	MEDIUM	0.612
168	FUTURE RD	BLUE CLAY RD	FUTURE ROAD	NO	LOW	2.682
172	23RD ST	AIRPORT BLVD	ONE TREE HILL WAY	NO	LOW	1.054
179	BLUE CLAY RD	PROP TRAIL AT RAIL CORRIDOR	SIDBURY RD	NO	LOW	2.645
180	BRENTWOOD DR	PROP TRAIL AT VICTORIA DR	CASTLE HAYNE RD	NO	LOW	0.856
187	CASTLE HAYNE RD	MCRAE ST	BRENTWOOD DR	NO	LOW	0.954
188	CASTLE HAYNE RD	NORTH OF I-140	CHAIR RD	NO	LOW	0.634
190	CHADWICK AVE	PROP TRAIL	CASTLE HAYNE RD	NO	LOW	0.889
205	HOLLY SHELTER RD	I-40	BLUE CLAY RD	NO	LOW	1.224
208	KERR AVE	BLUE CLAY RD	TRUESDALE RD	NO	LOW	1.333
213	LOGANBERRY RD	NORTH END	BLUEBERRY RD	NO	LOW	0.131
218	OLD AVE	CASTLE HAYNE PARK	PARMELE RD	NO	LOW	0.301
220	PARMELE RD	CASTLE HAYNE RD	COLLEGE RD	NO	LOW	1.490
224	PRIVATE	KERR AVE	FUTURE ROAD	NO	LOW	0.788
226	SIDBURY RD	BLUE CLAY RD	DAIRY FARM RD	NO	LOW	0.866
234	KERR AVE	CASTLE HAYNE RD	BLUE CLAY RD	NO	LOW	0.698
235	KERR AVE	TRUESDALE RD	COLLEGE RD	NO	LOW	1.438
237	CASTLE HAYNE RD	I-140	PARMELE RD	NO	LOW	2.225
238	US 117	PENDER-NEW HANOVER LINE	HOLLY SHELTER RD	NO	LOW	0.774
239	CASTLE HAYNE RD	PARMELE RD	HOLLY SHELTER RD	NO	LOW	1.330
240	CASTLE HAYNE RD	KERR AVE	BRENTWOOD DR	NO	LOW	1.949
246	MCRAE ST	BESS ST	CASTLE HAYNE RD	NO	LOW	0.539
251	OLD MILL RD	NC 133	RAIL CORRIDOR	NO	LOW	1.244
284	Kings Grant Rd	PRIVATE	KINGS DR	NO	LOW	0.746
392	N College Rd A	CASTLE HAYNE RD	N COLLEGE RD	NO	LOW	0.937
393	College to Castle Hayne Park	N COLLEGE RD	END	NO	LOW	1.237
394	Castle Hayne Park Connector B	GREENWAY PLAN PATH	JUVENILE CENTER DR	NO	LOW	1.388
395	Northchase Pky	N COLLEGE RD	NEW VILLAGE RD	NO	LOW	1.820
396	Murrayville Rd A	N COLLEGE RD	I-40	NO	LOW	0.841
397	Gordon Rd B	N KERR AVE	N COLLEGE RD	NO	LOW	0.961
398	Laurel Dr	CASTLE HAYNE RD	N KERR AVE	NO	LOW	0.900
399	Blue Clay Rd Path Connector	DAIRY FARM RD	I-140 WEST TRAIL	NO	LOW	3.090
408	NC HWY 133	CHESHIRE RD	US 117	NO	LOW	3.178
409	NC 210	CHESHIRE RD	US 117	NO	LOW	3.077
410	CHESHIRE RD	NC HWY 210	NC HWY 133	NO	LOW	1.731
411	US HWY 117 S	NC 210	NC 133	NO	LOW	4.403
412	Clarks Landing Loop	NC HWY 210	END	NO	LOW	5.632
413	US 421 N	MONTAGUE RD	PENDER-NEW HANOVER LINE	NO	LOW	9.739
414	Blueberry rd	MONTAGUE RD	END	NO	LOW	3.442
415	US 421 S	BLUEBERRY RD	EXISTING GREENWAY ROUTE	NO	LOW	6.354
540	THOMAS RHODES BRIDGE	USS NORTH CAROLINA RD	ISABEL HOLMES BRIDGE	NO	LOW	1.347
541	US 421	RAIL CORRIDOR TRAIL	SAMPSON ST	NO	LOW	1.027
542	US 421	SAMPSON ST	SUTTON STEAM PLANT RD	NO	LOW	0.970
543	SUTTON STEAM PLANT RD	US 421	STEAM PLANT ENTRANCE	NO	LOW	0.436
544	SUTTON STEAM PLANT ACCESS	SUTTON STEAM PLANT RD	END	NO	LOW	0.499
545	US 421 RAIL CORRIDOR	SUTTON STEAM PLANT RD	SUTTON LAKE RD	NO	LOW	1.104
546	SUTTON LAKE RD	US 421	US 421 RAIL CORRIDOR	NO	LOW	0.223
547	SUTTON LAKE RD	US 421 RAIL CORRIDOR	SUTTON LAKE	NO	LOW	1.750
548	US 421 RAIL CORRIDOR	SUTTON LAKE RD	PENDER-NEW HANOVER LINE	NO	LOW	3.969
549	MONTAGUE RD	END	US 421	NO	LOW	3.094
550	MONTAGUE RD	US 421	NC 210	NO	LOW	0.995
551	NC HWY 210	MONTAGUE RD	CLARK LANDING LOOP RD	NO	LOW	4.507
552	NC HWY 210	CLARK LANDING LOOP RD	NC 133/NC210 CONFLUENCE	NO	LOW	1.511
553	NC 210	NC HWY 133/ NC 210 CONFLUENCE	CHESHIRE RD	NO	LOW	2.911
554	NC 210	US 117	I-40	NO	LOW	0.379
555	NC HWY 133	NC 210/NC 133 CONFLUENCE	CHESHIRE RD	NO	LOW	2.719
556	US 117	NC 133	PENDER-NEW HANOVER LINE	NO	LOW	2.254
557	VICTORIA RD CONNECTOR PATH	VICTORIA RD	CHADWICK AVE	NO	LOW	1.034
558	I-140 PATH	RAIL CORRIDOR	END	NO	LOW	4.378
564	CORNELIUS HARNETT DR CONNECTOR	JEL WADE DR	N 3RD ST	NO	LOW	0.340
565	CORNELIUS HARNETT DR	JEL WADE DR	MCRAE ST	NO	LOW	0.643
567	ARCHIE BLUE TRAIL	RAILROAD ST	SMITH CREEK BLVD EXTENSIO	NO	LOW	0.519
568	SMITH CREEK BRIDGE	ARCHIE BLUE PARK	SMITH CREEK BLVD	NO	LOW	0.129
569	SMITH CREEK BLVD	N 23RD ST	END	NO	LOW	0.383
570	23RD ST	AIRPORT BLVD	CASTLE HAYNE RD	NO	LOW	0.599
572	DIVISION DR	CASTLE HAYNE RD	RAILROAD BED	NO	LOW	0.450
573	AIRPORT AREA PATH	DIVISION DR	GARDNER RD	NO	LOW	0.994
574	GARDNER RD	HEWLETT DR	BLUE CLAY RD	NO	LOW	1.463

575	BLUE CLAY RD	GARDNER DR	N KERR AVE	NO	LOW	0.383
576	BLUE CLAY RD	N KERR AVE	OLD MILL RD	NO	LOW	0.879
577	BLUE CLAY RD	OLD MILL RD	RAILROAD TRACKS	NO	LOW	0.228
578	RAILROAD CORRIDOR	BLUE CLAY RD	I-140	NO	LOW	0.840
579	CASTLE HAYNE RD	LAUREL DR	KERR AVE	NO	LOW	0.256
580	CASTLE HAYNE RD	LAUREL DR	OLD MILL RD	NO	LOW	1.026
581	CASTLE HAYNE RD	OLD MILL RD	CHAIR RD	NO	LOW	0.630
582	RAILROAD CORRIDOR	I-140	JUVENILE CENTER RD	NO	LOW	1.649
619	KINGS RD	KINGS GRANT RD	SPRING BRANCH RD	NO	LOW	0.220
623	SPRING BRANCH CREEK PATH	N KERR AVE	NOLAND DR	NO	LOW	1.465
624	GRATHWOL DR	N KERR AVE	CHERYL LN	NO	LOW	0.532
625	CHERYL LN	GRATHWOL DR	END	NO	LOW	0.176
626	BRAMTON RD	SPRING BRANCH RD	END	NO	LOW	0.609
627	SPRING BRANCH RD	KINGS DR	BRAMTON RD	NO	LOW	0.068
629	I-40	KINGS GRANT CREEK	GORDON RD	NO	LOW	0.762
630	KINGS GRANT CREEK	I-40	N KERR AVE	NO	LOW	1.744
631	N KERR AVE	KINGS GRANT CREEK	GORDON RD	NO	LOW	1.470
632	N KERR AVE	GORDON RD	BAVARIAN LN	NO	LOW	1.211
633	GORDON RD	COLLEGE RD	HARRIS RD	NO	LOW	1.261
645	I-140	CASTLE HAYNE RD	RAILROAD CORRIDOR	NO	LOW	1.376
646	I-140	BLUE CLAY RD	N COLLEGE RD	NO	LOW	1.457
647	GLEN EDEN DR	N COLLEGE RD	EDUCATION LOOP	NO	LOW	0.207
648	N COLLEGE RD	GLEN EDEN DR	PARMELE RD	NO	LOW	0.892
649	N COLLEGE RD	PARMELE RD	PRINCE GEORGE CREEK	NO	LOW	0.827
650	CASTLE HAYNE ELEMENTARY SCHOOL	N COLLEGE RD	HOLLY SHELTER RD	NO	LOW	1.197
651	ORANGE ST	HOLLY SHELTER RD	CAPE LANDING RD	NO	LOW	0.723
652	N COLLEGE RD	BAVARIAN LN	LOGANBERRY RD	NO	LOW	0.484
653	LOGANBERRY RD	BLUEBERRY RD	GORDON RD	NO	LOW	0.214
668	HOLLY SHELTER RD	CASTLE HAYNE RD	I-40	NO	LOW	1.043
694	SONDEY RD EXTENSION	CASTLE HAYNE RD	RAILROAD	NO	LOW	0.770
706	NC HWY 133	CHESHIRE RD	US 117	NO	LOW	3.178
707	NC 210	CHESHIRE RD	US 117	NO	LOW	3.077
708	CHESHIRE RD	NC HWY 210	NC HWY 133	NO	LOW	1.731
709	US HWY 117 S	NC 210	NC 133	NO	LOW	4.403
710	CLARKS LANDING LOOP	NC HWY 210	END	NO	LOW	5.632
711	US 421 N	MONTAGUE RD	PENDER-NEW HANOVER LINE	NO	LOW	9.739
712	BLUEBERRY RD	MONTAGUE RD	END	NO	LOW	3.442
713	US 421 S	BLUEBERRY RD	EXISTING GREENWAY ROUTE	NO	LOW	6.354
714	MONTAGUE RD	US 421	NC 210	NO	LOW	0.995
715	NC HWY 210	MONTAGUE RD	CLARK LANDING LOOP RD	NO	LOW	4.507
716	NC HWY 210	CLARK LANDING LOOP RD	NC 133/NC210 CONFLUENCE	NO	LOW	1.511
717	NC 210	NC HWY 133/ NC 210 CONFLUENCE	CHESHIRE RD	NO	LOW	2.911
718	NC 210	US 117	I-40	NO	LOW	0.379
719	NC HWY 133	NC 210/NC 133 CONFLUENCE	CHESHIRE RD	NO	LOW	2.719
720	US 117	NC 133	PENDER-NEW HANOVER LINE	NO	LOW	2.254
876	421/133/117	INTERSECTION		NO	LOW	N/A
902	N 23RD ST & MARTIN LUTHER KING BLV	INTERSECTION		NO	LOW	N/A
903	N 23RD ST & AIRPORT BLV	INTERSECTION		NO	LOW	N/A
904	N 23RD ST & BLUE CLAY RD	INTERSECTION		NO	LOW	N/A
905	N 23RD ST & CASTLE HAYNE RD	INTERSECTION		NO	LOW	N/A
929	N COLLEGE RD & GORDON RD	INTERSECTION		NO	LOW	N/A
935	N COLLEGE RD & LONG RIDGE DR	INTERSECTION		NO	LOW	N/A
936	N COLLEGE RD & NEW VILLAGE WY	INTERSECTION		NO	LOW	N/A
972	NC HWY 210/NC HWY 133/CLARKS LAND	INTERSECTION		NO	LOW	N/A

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE**

**RESOLUTION ENDORSES THE SUBMITTAL OF NEWLY COMPLETED SECTIONS OF THE
ADOPTED EAST COAST GREENWAY ALIGNMENT FOR OFFICIAL DESIGNATION
CONSIDERATION BY THE EAST COAST GREENWAY ALLIANCE**

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization provides transportation planning services for the City of Wilmington, Town of Carolina Beach, Town of Kure Beach, Town of Wrightsville Beach, Town of Belville, Town of Leland, Town of Navassa, New Hanover County, Brunswick County, Pender County, Cape Fear Public Transportation Authority and the North Carolina Board of Transportation; and

WHEREAS, a responsibility of the Wilmington Urban Area Metropolitan Planning Organization (WMPO) Bicycle and Pedestrian Advisory Committee is to provide recommendations to the WMPO Transportation Advisory Committee with regards to bicycle and pedestrian accommodations; and

WHEREAS, the East Coast Greenway is a long-distance, urban, shared-use trail system that (once completed) will link 25 major cities along the eastern seaboard between Calais, Maine and Key West, Florida providing cyclists, walkers, and other muscle-powered modes of transportation a low-impact way to explore the eastern seaboard; and

WHEREAS, the alignment of the East Coast Greenway will utilize local trails and local facilities with distinct local names while assuming a new additional identity as part of a larger trail system; and

WHEREAS, on September 28, 2011 the WMPO Transportation Advisory Committee adopted a specific alignment for the existing and future sections of the East Coast Greenway through the WMPO planning boundaries; and

WHEREAS, the recently completed construction of the 3 mile River Road Trail starting at Independence Boulevard intersection and ending at the Mott Creek Bridge.

NOW THEREFORE, be it resolved by the Wilmington Urban Area Metropolitan Planning Organization's Bicycle and Pedestrian Advisory Committee endorses submittal of newly completed sections of the WMPO East Coast Greenway Alignment to be submitted to the East Coast Greenway Alliance for official designation consideration.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization Bicycle and Pedestrian Advisory Committee on February 25, 2016.

Chris O'Keefe, Chairman

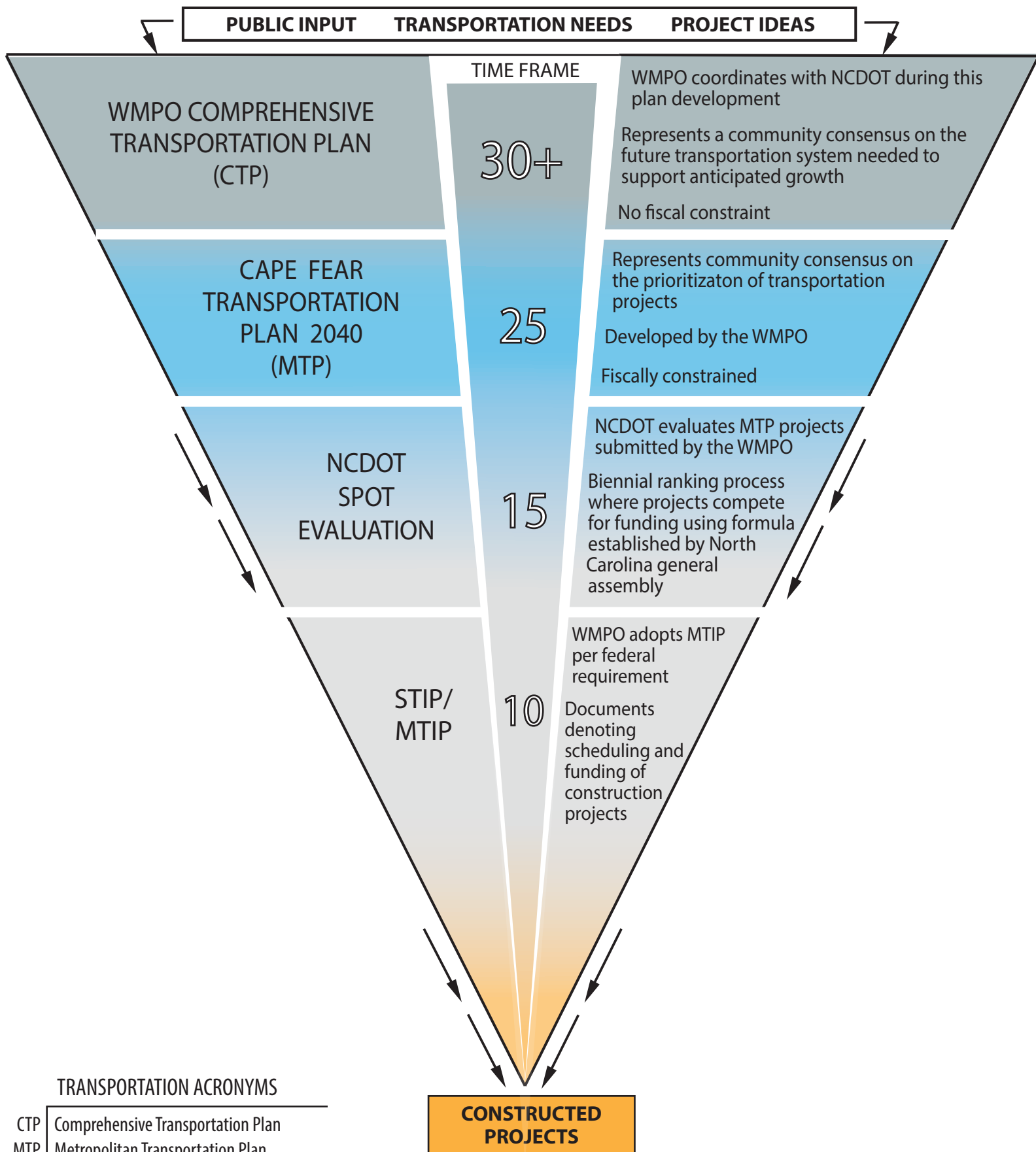
Beth Doliboa, Secretary



East Coast Greenway Proposed 2016 City of Wilmington Submittal



TRANSPORTATION PROJECTS FROM CONCEPT TO COMPLETION



TRANSPORTATION ACRONYMS

CTP	Comprehensive Transportation Plan
MTP	Metropolitan Transportation Plan
MTIP	Metropolitan Transportation Improvement Program
NCDOT	North Carolina Department of Transportation
SPOT	Strategic Prioritization Office of Transportation
STIP	Statewide Transportation Improvement Program
WMPO	Wilmington Urban Area Metropolitan Planning Organization





PAT McCrory
Governor

NICHOLAS J. TENNYSON
Secretary

January 8, 2015

To: Joint Legislative Transportation Oversight Committee

Subject: H 232 Bicycle Safety Laws Study Report

On June 2, 2015, Governor McCrory signed House Bill 232 as passed by the North Carolina General Assembly requiring NCDOT to study bicycle safety laws. The legislation required NCDOT to establish a working group representing several industries and interests. The working group and NCDOT were tasked with evaluating existing traffic laws for potential revisions to improve motorist and cyclist safety on North Carolina roadways.

During legislative committee debate pertaining to HB 232, legislators cited concern for bicyclist safety as well as consideration for motorist travel and access. HB 232 requires NCDOT to study issues related to passing a bicycle in no passing zones, bicycling one or more abreast, and identification carry for bicyclists. The working group also identified other issues for study such as bicyclist visibility, informal group cycling practices, bicycle events requiring permits, and vulnerable user protections. Discussion frequently centered on group bicycle rides along two lane, undivided rural roadways. The working group met four times between August and November 2015.

HB 232 requires NCDOT to submit a report containing related recommendations to the Joint Legislative Transportation Oversight Committee. A draft report was submitted to the H 232 working group on December 21, 2015. NCDOT received comments from the public (see addendum to the technical appendices). This report represents the final recommendations of NCDOT for each issue and includes information about the actions and discussions of the working group.

In addition to several grammatical and technical corrections, the final report included content changes to the draft report. The changes clarify several NCDOT draft recommendations and/or intent statements. These changes and explanation are summarized below per issue:

Visibility (clothing or other reflective gear) and lighting requirements

The draft NCDOT recommendation called for a rear lamp or bright clothing be visible 200 feet to the rear. The final recommendation calls for 300 feet of visibility to the rear, in keeping with the existing visibility statute for front head lamps on bicycles.

Operating position in roadway

The final report clarifies the NCDOT recommendation to allow cyclists to use the right half and center of the right-hand travel lane when riding single file or individually along roadways with speed limits posted over 35 miles per hour. The list of exceptions to this recommendation is also expanded to include additional safety hazards. The final report



clarifies that the recommendation would not require cyclists to ride single file, and would allow cyclists to use the full lane on higher speed roadways in order to avoid unsafe roadway conditions. These changes reflect widely accepted roadway design guidelines.

Informal group rides on rural roadways

The NCDOT recommendation in the draft report discussed enabling legislation for local governments to register large informal group rides. The final report is amended to recommend that an agency (local or state) issue a permit to a large group of cyclists per the bicycle racing law (§ 20.171.2). The recommendation is clarified to only apply to a large group of cyclists travelling on roadways with posted speed limits over 35 miles per hour, when riding in formation for the duration of a trip. The report also clarifies that the number “30” is a starting point for a discussion about when the size of a group of bicyclists warrants a formal road event permit. Cyclists riding in smaller groups would not be subject to the recommendation. The report recognizes the need for more data and discussion about informal bicycle group riding. The changes also reflect existing permit procedures available to bicycle group ride organizers.

NCDOT respectfully submits this report for your consideration. For further information, please contact Lauren Blackburn, NCDOT Bicycle and Pedestrian Division Director (919-707-2601 or lablackburn2@ncdot.gov) or Kevin Lacy, NCDOT State Traffic Engineer (919-773-2800 or jlacy@ncdot.gov).

H 232 Bicycle Safety Laws Study Report

Introduction

In North Carolina, an average of 19 bicyclists are killed and 664 are hit in crashes on roadways annually. Bicycle crashes are predominantly in urban areas, while fatal crashes occur more often in rural areas. Many factors contribute toward a crash event and its severity, such as weather conditions, traffic speeds, driver distraction, and cycling behaviors.

NCDOT and other state agencies have developed plans and strategies to reduce bicycle crashes. The 2015 North Carolina Strategic Highway Safety Plan includes bicycle and pedestrian safety as emphasis areas. Key strategies include safety education programs focusing on visibility and awareness, enforcing traffic laws, and encouraging statewide participation in the Watch for Me NC campaign (www.watchformenc.org). Additionally, the North Carolina Executive Committee for Highway Safety recently adopted a goal for Vision Zero – aiming to eliminate all traffic related fatalities, including bicycle fatalities. The Strategic Highway Safety Plan can be found at www.ncshsp.org

Improvements to the roadway system are critical to improving safety for cyclists and motorists. Wide shoulders along busy, narrow roadways provide space for cyclists to pull over or allow for cars to pass. Other accommodations, such as bicycle lanes and signage also help direct bicyclists and warn motorists of likely cycling traffic. However, limited right of way along rural roads, funding availability, and sheer size of the NC roadway system often present challenges to building more of these accommodations. For more information about bicycling infrastructure please visit www.walkbikenc.com

Finally, changes to state traffic laws may also help improve safety for cyclists while allowing for predictable interaction between cyclist and motor vehicle traffic. The H 232 working group and NCDOT discussed existing statutes that law enforcement often find unclear, such as riding abreast and passing laws. The working group considered crash data and traffic laws in other states when discussing other statutory issues such as rear lighting, identification carry and distracted bicycling. The working group also discussed instances when group rides have been reported to cause significant traffic delay on rural roads.

The H 232 working group included the following industry or agency representatives, per the specifications of the legislation:

- Master Trooper Christopher Knox – State Highway Patrol (law enforcement representative)
- Wes Dickson – Owner of Sycamore Cycles in Brevard (bicycle industry representative)
- Fred Burt – Farmer in Fuquay-Varina (agriculture industry representative)
- Crystal Collins – NC Trucking Association (trucking industry representative)
- Chris O’Keefe – Director of Development Services, New Hanover County (county government representative)
- Jim Westmoreland – Greensboro City Manager (municipal government representative)
- James Gallagher – UNC Highway Safety Research Center staff (UNC HSRC representative)
- Kevin Lacy – NCDOT State Traffic Engineer (NCDOT representative)
- Lauren Blackburn – NCDOT Bicycle and Pedestrian Division Director (NCDOT representative)

H 232 further specified that the working group would select a chair and up to three additional working group members considering operator and geographic perspectives. The work group recommended the following three additional members during their August 7 meeting:

- Steven Goodridge – member of Bike Walk NC, statewide bicycle advocacy organization
- Chuck Hobgood – President of North Carolina Amateur Sports
- Sergeant Michael Montayne – City of Greenville Police Department

The working group elected Jim Westmoreland to chair the meetings. Mr. Westmoreland and the working group opted to develop formal recommendations by majority vote, and the meeting minutes further reflect dissenting opinions or interests. Where no recommendation could be developed by a majority of the working group, the working group made note of ideas and opinions expressed per the issue. NCDOT retained the services of Garold Smith, a facilitator with Simpson Engineering, to take meeting notes and assist with meeting facilitation.

Meetings were held on August 7, September 11, October 6, and November 18 at various NCDOT venues. Members of the public were permitted to attend the meetings but were not provided opportunity to comment or speak during meetings. NCDOT posted the final report to the website, and the public was allowed to email comments. Those comments are included in the appendices of this report.

The working group identified a total of twelve issues for discussion, including the three specified by H 232:

1. How faster-moving vehicles may safely overtake bicycles on roadways where sight distance may be inhibited (specified by House Bill 232);
2. Whether bicyclists on a roadway should be required to ride single file or allowed to ride two or more abreast (specified by House Bill 232);
3. Whether bicyclists should be required to carry a form of identification (specified by House Bill 232);
4. Visibility (clothing or other reflective gear) and lighting requirements;
5. Options for hand signals for turning;
6. 2-feet or other passing distance requirements;
7. Operating position in roadway;
8. Informal group rides on rural roadways;
9. Use of headphones or texting while cycling;
10. Aggressive driving, harassment, and distracted driving laws;
11. Vulnerable road user protection; and
12. Formal group event permitting and regulations.

The following report presents the following materials to document the working group activities and NCDOT recommendations per H 232:

- H 232 Text as enacted June 2015
- Summary of working group actions and NCDOT recommendations
- Draft Resolution affirming existing laws and best practices
- Report appendices including meeting agendas, meeting minutes, meeting handouts, and presentation slides

Email comments received from the public, following release of this report, will be made available as an addendum to the appendices.

**GENERAL ASSEMBLY OF NORTH CAROLINA
SESSION 2015**

**SESSION LAW 2015-45
HOUSE BILL 232**

AN ACT TO DIRECT THE DEPARTMENT OF TRANSPORTATION TO STUDY THE BICYCLE SAFETY LAWS IN THIS STATE AND MAKE RECOMMENDATIONS AS TO HOW THE LAWS MAY BE REVISED TO BETTER ENSURE THE SAFETY OF BICYCLISTS AND MOTORISTS ON THE ROADWAYS.

The General Assembly of North Carolina enacts:

SECTION 1. Study. – The Department of Transportation shall study the bicycle safety laws in this State. The study shall focus on what statutory revisions, if any, are needed to better ensure the safety of bicyclists and motorists. In doing so, the Department shall consider at least all of the following:

- (1) How faster-moving vehicles may safely overtake bicycles on roadways where sight distance may be inhibited.
- (2) Whether bicyclists on a roadway should be required to ride single file or allowed to ride two or more abreast.
- (3) Whether bicyclists should be required to carry a form of identification.
- (4) Any other issues determined relevant by the Department.

SECTION 2. Working Group. – In conducting the study required by this act, the Department shall convene a working group of interested parties knowledgeable and interested in the bicycle safety laws of this State. The working group shall include all of the following:

- (1) A law enforcement officer.
- (2) A representative from the bicycling industry.
- (3) A representative from the agricultural industry.
- (4) A representative from the trucking industry.
- (5) A representative from county government, who may be a county law enforcement officer.
- (6) A representative from municipal government, who may be a municipal law enforcement officer.
- (7) A representative from the University of North Carolina Highway Safety Research Center.
- (8) A minimum of two staff representatives from the Department.
- (9) Any other expert or stakeholder the Department or working group determines may assist the Department in completing the study required by this act.

The Department shall designate the members listed in subdivisions (1) through (8) of this section, and the working group shall subsequently select a chair and designate the remaining members of the working group authorized under subdivision (9) of this section. In designating additional members, the working group shall ensure that membership composition includes representation of different operator and geographical perspectives.

SECTION 3. Maximum Number of Working Group Members. – The total number of members of the working group convened under Section 2 of this act shall not exceed 12 members.

SECTION 4. Report and Recommendations. – The Department shall report its findings and recommendations, including any legislative proposals, to the Joint Legislative Transportation Oversight Committee on or before December 31, 2015.

Working Group Actions and NCDOT Recommendations

The following is a list of the issues identified by H 232 and the working group, and a summary of the working group and NCDOT recommendations. The working group, representing diverse interests and experiences, was able to form recommendations on many issues. NCDOT agrees with many of those working group actions but also provides alternative recommendations for several of the issues. The meeting minutes provide additional details about working group discussions, including dissenting opinions from the majority of the working group.

(1) How faster-moving vehicles may safely overtake bicycles on roadways where sight distance may be inhibited

- **Working Group Action/NCDOT Recommendation:** The working group passed a motion (with one dissenting vote) for carrying forward draft language regarding passing bicyclists over the double yellow center line. The working group and NCDOT recognizes that motorists need a defense when crossing a double-yellow line in order to overtake a bicycle in otherwise safe conditions. In many cases, reasonableness and officer discretion has kept this from being a major issues from an enforcement perspective. However, motorists trying to pass cyclist(s) while staying in the same travel lane creates a major safety concern. NCDOT recommends that the legislature consider adopting language similar to that created by the H 232 working group:

§ 20-150. Limitations on privilege of overtaking and passing.

(e1) Defense. - It shall be a defense to a violation of sub-section (e) of this section if the operator of a motor vehicle shows all of the following:

- 1) Is overtaking and passing a bicycle or bicycles as defined by 20-171.1 proceeding in the same direction,
 - 2) Is in compliance with subsections (a), (b), (c), and (d) of this section.
 - 3) Provides a minimum of 4' or completely enters the left lane.
 - 4) And the operators of bicycles that will be passed has not provided signal of their intention to perform a left turn.
 - 5) And did not interfere with the bicycle(s) being passed
- **Intent:** This provision would allow motor vehicles opportunities to overtake a bicycle when considered safe to pass on a double yellow line, as included in other conditions of the general statutes. The provision also requires motor vehicle operators to provide a minimum of four feet of separation or entry into the other travel lane in order to pass a cyclist. The key responsibilities are with the operator of the motor vehicle to pass safely. Please note that the no passing zones established by NCDOT consider the size and speed capabilities of motor vehicles. Cyclist(s) are smaller and travel more slowly.

(2) Whether bicyclists on a roadway should be required to ride single file or allowed to ride two or more abreast.

- **Working group Action:** The working group voted unanimously to recommend no change to existing statutes regarding riding abreast, but instead include best practice information about riding abreast in educational materials as referenced in the draft resolution. There was general agreement among the working group that riding two abreast increases bicyclists' visibility and allows for groups to ride in a more compact formation. The working group also discussed how riding abreast affects bicycle operator position and the size of bicycle group rides.

- **NCDOT Recommendation:** NCDOT recommends that the legislature consider adopting language similar to the following:

Bicyclists shall not operate more than two abreast in a single marked travel lane on public roadways except when overtaking another bicyclist. Bicyclists shall not move left, change formation, or otherwise interfere with a vehicle performing a safe pass.

- **Intent:** NCDOT's recommendation allows for cyclists to ride two abreast but also requires that bicyclists cooperate with vehicles performing a safe pass. Allowing groups of bicyclists to ride two abreast improves conspicuity. Limiting to riding two abreast addresses vagueness in the law, limits the width of cycling groups, and directs cyclists to operate in a predictable and compact fashion. This recommendation would not apply to bicycle facilities off the roadway or properly approved bicycle races.

(3) Whether bicyclists should be required to carry a form of identification

- **Working group Action/NCDOT Recommendation:** The working group recommended, by a split vote of 7 for and 2 against, that there be no requirement for cyclists to carry identification. NCDOT concurs with the working group's recommendation.
- **Intent:** The resolution describes identification carry as a best practice for cyclists, as an important aide in the event of a medical emergency or traffic violation. The working group remarked on the complexities of issuing identification documents, and also noted the diversity of cyclists to include children of all ages.

Other Issues discussed by H 232 working group:

(4) Visibility (clothing or other reflective gear) and lighting requirements

- **Working group Action/NCDOT Recommendation:** The working group voted, by a split vote of 6 for and 3 against, to carry forward language that specifies a requirement for either a rear light or clothing/vest that is sufficiently bright and reflective. NCDOT concurs with the working group action and offers the following suggested language:

§ 20-129(e) Lamps on Bicycles.

Every bicycle shall be equipped with a lighted lamp on the front thereof, visible under normal atmospheric conditions from a distance of at least 300 feet in front of such bicycle. Bicycles shall also be equipped with a lamp on the rear, exhibiting a red light visible under like conditions when used at night, or wear clothing or vest that is bright and visible from a distance of at least 300 feet to the rear of the bicycle.

- **Intent:** The resolution provides additional emphasis on rear lighting as a best practice, but the recommendation provides options for enhanced visibility given cost considerations for lighting equipment.

(5) Options for hand signals for turning

- **Working group Action/NCDOT Recommendation:** The working group voted unanimously to carry forward language adding "or right hand" to existing laws to allow cyclists to signal a right turn with their right arm. NCDOT concurs with the working group action and recommends statutory change to add this provision.

- **Intent:** Existing law does not provide cyclists the option to signal a right turn by extending the right arm outward. However, the general public frequently misunderstands the intent of the existing right turn hand signal (left arm extended upward). This provision provides the option to cyclists to more clearly indicate intent to turn right.

(6) 2-foot or other passing distance requirements

- **Working group Action:** The working group did not form a recommendation for additional safe passing requirements as described in statute.
- **NCDOT Recommendation:** NCDOT recommends statutory change to require that motor vehicles overtake bicycle(s) by a minimum four feet of passing distance.
- **Intent:** The recommendation for overtaking/passing a cyclist(s) in limited sight distance conditions states a four foot minimum (or other lane pass). Furthermore, crash data and anecdotal evidence show a significant number of bicycle crashes are due to motorists misjudging sufficient passing distance. Four feet should be the minimum distance for overtaking a cyclist(s) in all conditions, with passing in another lane being the recommended practice. This recommendation is specific only to bicycles and would not apply to other slower moving vehicles.

7) Operating position in roadway

- **Working group Action:** The working group discussed this in context of other issues (such as riding abreast and informal group rides). The working group voted unanimously to recommend no change to existing statutes applicable to bicyclist position on the roadway.

NCDOT Recommendation: NCDOT recommends statutory change to require cyclists, when riding single file or individually along roadways with speed limits posted over 35 miles per hour, ride in the right half (up to the center) of the right-hand vehicle lane where clear and safe to do so. Exceptions should include those listed in § 20-146; or when the cyclist is travelling within 15 miles per hour of the posted speed limit; or to avoid right turn lanes, parked car door swing zones, or other vehicles entering or crossing the roadway. The recommendation does not require cyclists to ride single file under any conditions.

- **Intent:** Existing statutes require all vehicles to ride in the right hand lane or as far to the right as practicable noting some exceptions. It is the common practice of cyclists riding single abreast to ride on the right half of the right most travel lane, except to avoid obstructions in the roadway, prepare for a left turn, or travel at speeds comparable to the posted speed limit. Motor vehicle operators should expect to see cyclists in the left half of the lane when cyclists are avoiding noted safety hazards, and should pass in another lane when safe to do so.

8) Informal group rides on rural roadways

- **Working group Action:** The working group unanimously passed a motion that the report include a draft resolution for the legislature's consideration, directing NCDOT to develop an education and outreach program concerning best practices for groups of cyclists riding on higher speed or rural roadways. The intent of the working group's action is to teach cyclists how to safely minimize or eliminate occasions where large cycling groups may cause significant delay to motor vehicle traffic flow.

- **NCDOT Recommendation:** NCDOT concurred with the working group's action to develop a resolution and a robust education program centered on group riding practices. NCDOT also recommends a statutory change to require that a group of 30 or more cyclists adhere to bicycle race laws and acquire permits as necessary. This recommendation should only apply to a bicycle group starting with and maintaining a compact formation of 30 or more cyclists, when riding for recreational purposes on roadways with speed limits posted over 35 miles per hour. (Note: A group size number of 30 cyclists is deemed to be as starting point for discussion and should be vetted further prior to legislative action.)
- **Intent:** NCDOT believes that a very small number of group bicycle rides have created delay for motorists, and few motorists have been prevented from safely passing groups of cyclists. Delay is influenced by the size of the cycling group, roadway conditions, bicycle operators' training and experience, and the purpose of the bicycle ride. While the number of crashes and injuries associated with group rides are rare; this issue appears to be the one that creates the most angst among motorists and cyclists.

Establishing clearer expectations and informing both motorists and cyclists should help ease the angst. Best practices developed would describe different practices for larger groups of bicyclists to allow for safe passing. This training will consider travel lane width and number, motor vehicle volumes, posted speed limit, group size, and off-road egress.

Existing statutes regarding "bicycle racing" (§ 20-171.2) allow for local or state agencies to provide permits for events where cyclists are exempted from compliance with traffic laws. NCDOT and many local governments have a process for permitting these types of events. Cyclists riding in smaller groups and complying with applicable traffic laws would not be required to secure a bicycle racing permit.

9) Use of headphones or texting while cycling

- **Working group Action/NCDOT Recommendation:** The working group unanimously passed a motion recommending that NCDOT create a program to inform all users of the transportation system about the elements of distracted driving, especially operating a vehicle when the user is using headphones. NCDOT concurs with the working group action.
- **Intent:** The working group and NCDOT discussed how riding without distractions such as cell phones and headphones are safe practices for all vehicles, including bicycles.

10) Aggressive driving, harassment, and distracted driving laws

- **Working group Action/NCDOT Recommendation:** The working group agreed that existing statutes begin to address some of these issues and did not create specific recommendations. NCDOT concurs with the working group action.
- **Intent:** Existing laws provide basic protections for all vehicles against dangerous driving or bicycling behaviors.

11) Vulnerable road user protection

- **Working group Action:** The working group agreed that this issue was not ripe for further discussion at this time and did not form a recommendation.

- ***NCDOT Recommendation:*** "Bicycle operators" should be added to G. S. 20-154 a1, a2 which currently provides additional protections to motorcycle operators involved in a vehicle crash.
- ***Intent:*** Bicyclists are similar in stature to motorcycle operators. Additionally, their size and speed cause them to be more vulnerable to severe injury or fatality when involved in a crash. Bicycles should be afforded the protections extended to motorcycle operators on roadways.

12) Formal group event permitting and regulations

- ***Working group Action/ NCDOT Recommendation:*** The working group voted unanimously to recommend that NCDOT review their permit and management process for road closures for events to reduce the impacts on local residents and businesses. NCDOT concurs with the working group action.
- ***Intent:*** NCDOT should review the permit process to ensure that local and state law officials are aware of statutory obligations to permit access to residents during special events and road closures.

Draft H 232 Resolution

NCDOT and the working group developed a resolution for the General Assembly to consider for adoption. This resolution reaffirms existing laws designed to protect cyclists and best practices for cyclists to follow in order to allow for motor vehicles to safely overtake and travel at reasonable speeds.

Whereas road cycling is a growing sport and mode of transportation;

whereas traffic volumes along roadways in many regions of North Carolina are increasing;

whereas cyclists shall follow traffic laws and not prevent reasonable traffic flow;

whereas law enforcement, emergency responders, and transportation officials aspire to safe and efficient use of public roadways in North Carolina;

whereas, bicycle racing, without official permits and traffic controls, is prohibited by law;

whereas, motorists must consider the speed and position of a cyclist when overtaking and turning in front of a cyclist;

whereas, motorists and cyclists are subject to fines and/or other penalties when travelling at excessive speeds or using aggressive operating behaviors;

whereas, the North Carolina General Assembly passed HB 232 in May 2015 which directed the NCDOT to study the bicycle safety laws of the state and to make recommendations on how the laws may be revised to better ensure the safety of bicyclists and motorists on the roadways;

whereas, the follow-up study required the NCDOT to establish a working group of interested parties knowledgeable and interested in the bicycle safety laws of the State;

whereas, the working group has determined that in addition to statutory revisions there also exist a strong need to enhance statewide education and outreach efforts to help ensure motorists and bicyclists are properly informed on how to safely and most properly interact with each other when using the roadways and to best ensure each other's safety; and

whereas, there are best practices, beyond the general statutes, that should be taught by parents and educators to cyclists and motorists of all ages; therefore be it

Resolved, that state lawmakers and agency officials affirm the following good practices beyond the requirements of the law:

- Cyclists should carry identification on their person while riding
- Cyclists should wear bright and/or reflective clothing and equip their bicycles with high-visibility front and rear lamps, for use in all dim or dark conditions.
- Cyclists should consider traffic speed, travel lane width, traffic volume, and other vehicle traffic when choosing a safe and visible lane position
- Groups of cyclists should ride in a compact fashion, allowing for safe passing
- Motorists should use other lanes to pass cyclists
- Bicycle group ride organizers should consider needs for traffic control, coordination with emergency responders, and necessary permits
- Bicycle group ride organizers should post information about planned and routine group rides on a publicly accessible website; and be it

Further resolved, that the North Carolina General Assembly should appropriate the resources necessary to NCDOT to develop these best practices into education materials, training programs, and outreach to the cycling and motoring public. NCDOT will partner with multiple state and local agencies, including law enforcement, the bicycling industry, and transportation officials to provide this training. This education effort will focus on bicycling behaviors that enhance roadway safety and ensure predictable traffic flow.

Report Appendices

The following contents are included as an appendix to this report. The meeting minutes detail working group votes, actions, and dissenting opinions. Meeting handouts and presentations were produced and distributed by individual working group members. Handouts were shared by members via email or during meetings. These materials are presented in the following order:

Working Group Meeting Agendas and Minutes:

- August 7
- September 11
- October 6
- November 18 (draft minutes)

Meeting Handouts and Presentations

- Vehicle and Bicycle Traffic Laws in North Carolina (handout)
- North Carolina Motorcycle Handbook Selected Pages (handout)
- Evolution of Stay Right Laws (handout)
- Safe Passing Principles and Laws (handout)
- Types of Cyclists (presentation)
- Bicycle Traffic Laws in NC and US (presentation)
- NC Bicycle Crash Facts (presentation)
- Safe Passing and Operating Abreast (presentation)
- Lacy Recommendations for Passing Cyclists (handout)
- Burt Bicycle Issues (handout)
- H 232 Issue Summary (presentation)
- Letter to the H 232 Committee (handout)
- Recommended Regulations for Cycling Abreast (handout)
- Draft Resolution (handout)