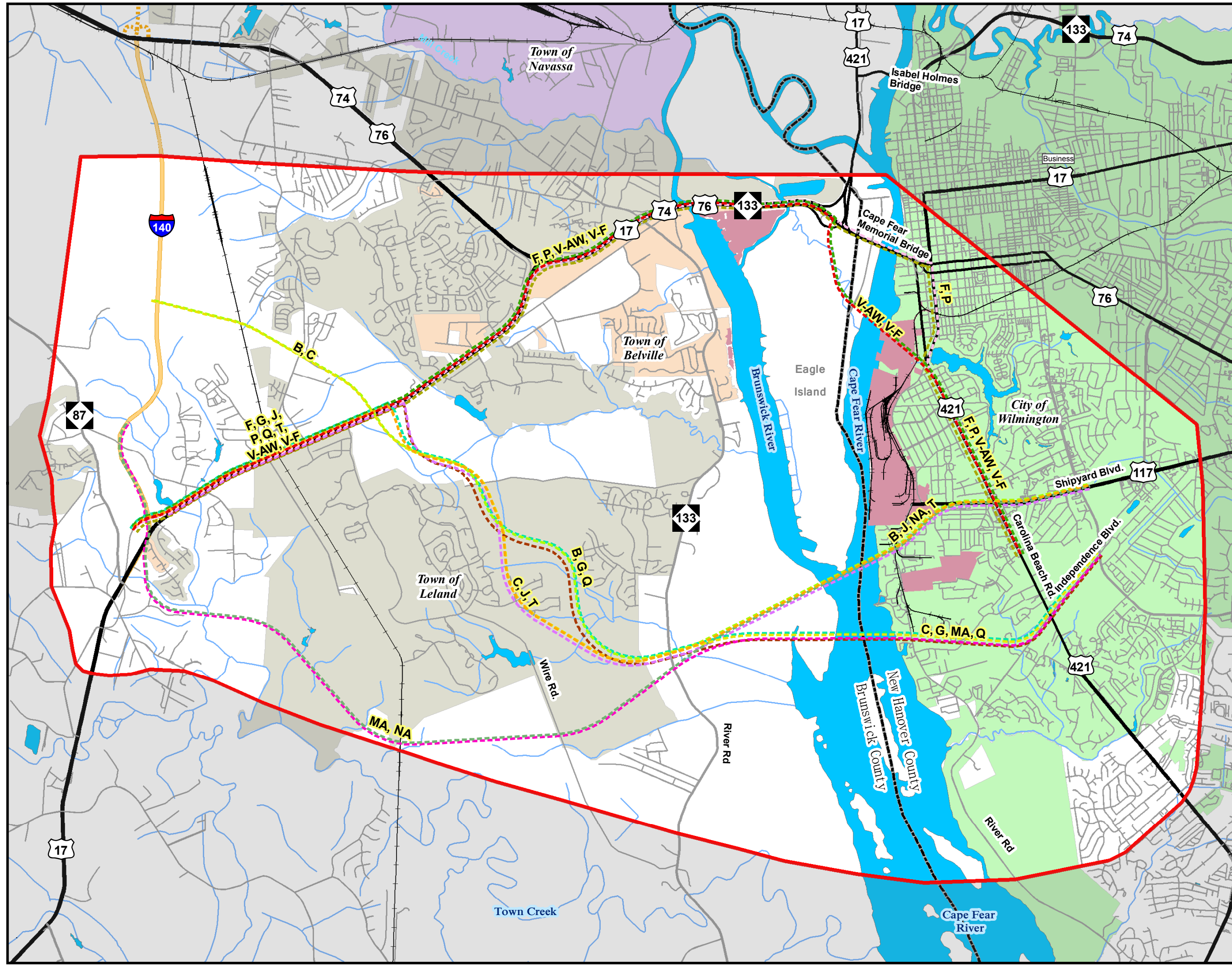




CAPE FEAR CROSSING

State Transportation Improvement Program
Project No. U-4738

Concurrence Point 2A



Figure 1: Project Study Area

Legend

 Project Study Area	 Alternative B
 Interstate	 Alternative C
 US Highway	 Alternative F
 NC Highway	 Alternative G
 Local Road	 Alternative J
 Railroad	 Alternative MA
 Future Wilmington Bypass (I-140)	 Alternative NA
 Water	 Alternative P
 Belville	 Alternative Q
 Leland	 Alternative T
 Navassa	 Alternative V-AW
 Wilmington	 Alternative V-F
 County Boundary	
 Port of Wilmington	



Virginia
Tennessee
North Carolina
South Carolina
Georgia



0 0.5 1 2
Miles

Date: May 2017
This map is for reference only.
Sources: ESRI, CGIA, NCDOT, and AECOM.

Comparison of Build Alternatives

Resource	B	C	F	G	J	MA	NA	P	Q	T	VA	VF
Length of Corridor (Miles)	11.1	11.3	12.0	11.3	11.2	12.3	12.2	12.0	11.5	11.4	11.8	11.8
Construction Cost (Millions \$)	760	768	425	779	675	774	763	380	745	733	511	553
Number of Interchanges	5	4	6	5	5	4	4	3	4	4	6	7
Number of Railroad Crossings	2	1	1	1	2	1	2	1	1	2	2	2
Number of Major Power Easment Crossings	2	2	4	3	2	1	1	4	2	2	4	4
Business Relocations (Number within Proposed Right of Way)	74	30	42	30	74	30	74	39	30	74	37	38
Residential Relocations (Number within Proposed Right of Way)	95	82	145	39	116	53	98	137	31	108	52	60
Total Relocations	169	112	187	69	190	83	172	176	61	182	89	98
Minority and/or Low-Income Populations Present	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Archaeological Sites (Number within Impact Area)	0	0	0	0	0	1	1	0	0	0	0	0
Historic Properties (Adverse Effect)	0	0	2	0	0	0	0	2	0	0	1	1
Section 4(f) Lands (Acres within Proposed Right of Way)	1.2	0.0	73.9	0.0	1.2	0.0	1.2	73.9	0.0	1.2	16.7	16.7
USS North Carolina Battleship (number of parcels impacted)	0	0	0	0	0	0	0	0	0	0	0	0
Wilmington Historic District (number of parcels impacted)	0	0	296	0	0	0	0	296	0	0	26	26
Sunset Park Historic District (number of parcels impacted)	0	0	22	0	0	0	0	22	0	0	22	22
Hanover Heights Historic District (number of parcels impacted)	2	0	0	0	1	0	1	0	0	1	0	0
Wilmington National Guard Armory (number of parcels impacted)	0	0	1	0	0	0	0	1	0	0	1	1
Clarendon House (number of parcels impacted)	0	0	0	0	0	0	0	0	0	0	0	0
Goodman House (number of parcels impacted)	0	0	0	0	0	0	0	0	0	0	0	0
Lake Forest Defense Housing	0	0	0	0	0	0	0	0	0	0	0	0
Wetlands (Acres within Impact Area)	107.9	111.1	74.1	62.4	54.5	72.4	66.8	58.9	49.8	42.4	140.9	155.9
Surface Waters/Ponds (Acres within Impact Area)	0.05	0.05	0.07	0.05	0.05	0.00	0.00	0.05	0.04	0.04	0.05	0.07
Floodplains (Acres within Impact)	16.6	15.8	135.0	50.4	46.2	44.2	42.5	119.1	34.0	29.8	218.2	234.3
Streams (Linear Feet within Impact)	2,528	7,944	3,466	8,539	2,456	13,170	7,439	2,125	7,748	1,667	2,098	3,510
CAMA Wetlands (Acres within Impact Area)	1.8	1.8	18.9	1.8	1.8	2.3	2.3	19.0	1.8	1.8	89.1	89.1
Large Public Trust Waters (Acres)	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.4
Small Public Trust Waters (Linear Feet)	302	303	489	298	297	236	238	557	297	301	489	489
Federally-Protected Species Habitat Present	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Potential Noise Receptors*	1167	781	2717	865	1449	552	1052	2468	779	1367	1508	1799
Lands Managed for Conservation and Open Space (Acres within Impact)	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	76.5	76.5
Community Facilities Impacted (Number within Proposed Right of Way)												
Cemeteries	1	0	0	0	1	0	1	0	0	1	0	0
Churches	3	3	4	4	4	4	4	3	3	3	4	5
Fire Stations	0	1	0	1	0	1	0	0	1	0	0	0
Section 6f (Number within Proposed Right of Way)	0	0	3	0	0	0	0	3	0	0	2	2
Forested Land (Acres within Impact Area)	110.3	123.2	44.7	141.9	121.2	178.6	161.7	10.7	106.3	84.7	10.7	44.7
Farmland soils (Acres within Proposed Right of Way)	477.5	551.2	280.6	512.9	466.7	550.1	490.1	151.6	413.3	367.0	151.4	280.8
Parks (Number within Proposed Right of Way)	0	0	3	0	0	0	0	3	0	0	3	3
% Decrease in Travel Time Compared to 2040 No-Build	30.41	27.07	44.28	29.54	30.38	29.51	27.04	35.92	24.66	26.86	35.71	42.52

303(d) streams (listed due to sedimentation), and SA/HQW/ORW waters

Impact area equals the slope stakes limits plus 40 feet

* Noise receptors include count within 700 feet of centerline (350 feet on either side) along existing roadways and 600 feet (300 feet on either side) of new location

**Includes land surrounding the USS North Carolina Battleship site (managed by NC Natural & Cultural Resources) and Eagle Island (managed by USACE).