



**US Army Corps
of Engineers** ®
Wilmington District

408-SAW-2024-0030

**PUBLIC NOTICE
REQUEST FOR PERMISSION
TO MODIFY A**

U.S. ARMY CORPS OF ENGINEERS PROJECT UNDER SECTION 408

TITLE: North Carolina Department of Transportation, Cape Fear Memorial Bridge Replacement, Wilmington Harbor Federal Project, New Hanover County, North Carolina.

PUBLIC NOTICE COMMENT PERIOD:

Begins: January 31, 2025

Expires: March 3, 2025

Interested parties are hereby notified that a request has been received for Department of the Army Section 408 (Section 14 of the Rivers and Harbors Act of 1899; 33 U.S.C. 408; hereinafter Section 408) approval to replace the existing Cape Fear Memorial Bridge with a fixed bridge within and over the Wilmington Harbor, which is a federal project subject to Section 14 of the Rivers and Harbors Act of 1899, 33 USC 408 (Section 408), as described below (see the proposed action section below and the attachments for detailed information about the proposed activity). Written comments are being solicited from anyone having an interest in the requested alteration. Comments received will become part of the U.S. Army Corps of Engineers' (USACE) administrative record and will be considered in determining whether to approve the request. Comments supporting, opposing, or identifying concerns that should be considered by the USACE in its decision process are welcome. Comments providing substantive information and/or a rationale for the commenter's position are the most helpful. Comments regarding the proposed work should reference the USACE public notice number (408-SAW-2024-0030) and must reach the USACE via email no later than **March 3, 2025**, to become part of the public record and be considered in the USACE's decision. Please send comments to the Wilmington District Section 408 Coordinator at: ronnie.d.smith@usace.army.mil.

REQUESTER: North Carolina Department of Transportation

LOCATION: The proposed action is located along the existing Cape Fear Memorial Bridge along US Highway 421, over the Cape Fear River and the Wilmington Harbor Federal Project, in the City of Wilmington, New Hanover County, North Carolina. (34.22785, -77.97134).

PROPOSED ACTION: The requester proposes to replace the existing movable bridge with a fixed bridge. The existing movable bridge has a horizontal navigation clearance of about 400 feet, a closed vertical navigation clearance of 65 feet, and a raised vertical navigation clearance of 135 feet. NCDOT is considering the following 2 alternatives for bridge replacement:

- Alternative B involves replacing the existing bridge with a fixed bridge with a vertical navigation clearance of 135 feet and a horizontal clearance of 450 feet.

- Alternative C involves the replacement of the existing bridge with a fixed bridge with a vertical navigation clearance of 100 feet (+/- 35') and a horizontal clearance of 450 feet. This alternative may involve the construction of a bridge with a vertical navigation clearance of 100 feet, 110 feet, 120 feet, or 130 feet.

REGULATORY AUTHORITY: This request will be reviewed according to the provisions of Section 408. A requester has the responsibility to acquire all other permissions or authorizations required by federal, state, and local laws or regulations. An approval under Section 408 does not grant any property rights or exclusive privileges, nor does it authorize any injury to the property or rights of others.

EVALUATION: The decision whether to grant the requested permission for federal project modification under Section 408 will be based on several factors and will reflect the national concern for both protection and utilization of important resources. The benefits which may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. Review of the request for modification will be reviewed by a USACE technical review team and will consider, but not necessarily be limited to, the following factors:

1. Impair the Usefulness of the Project Determination. The review team will determine if the proposed alteration would limit the ability of the project to function as authorized, or would compromise or change any authorized project's conditions, purposes, or outputs. The decision whether to approve a request for modification would be based on a determination of no impairments.
2. Injurious to the Public Interest Determination. Proposed alterations will be reviewed by the District to determine the probable impacts, including cumulative impacts, on the public interest.

SUMMARY: It should be noted that materials submitted as part of Section 408 requests become part of the public record and will be available to the public under the provisions of the Freedom of Information Act (FOIA). Individuals may submit a written request to obtain materials under the FOIA or make an appointment to view the project file at the USACE Wilmington District's Office of Counsel.

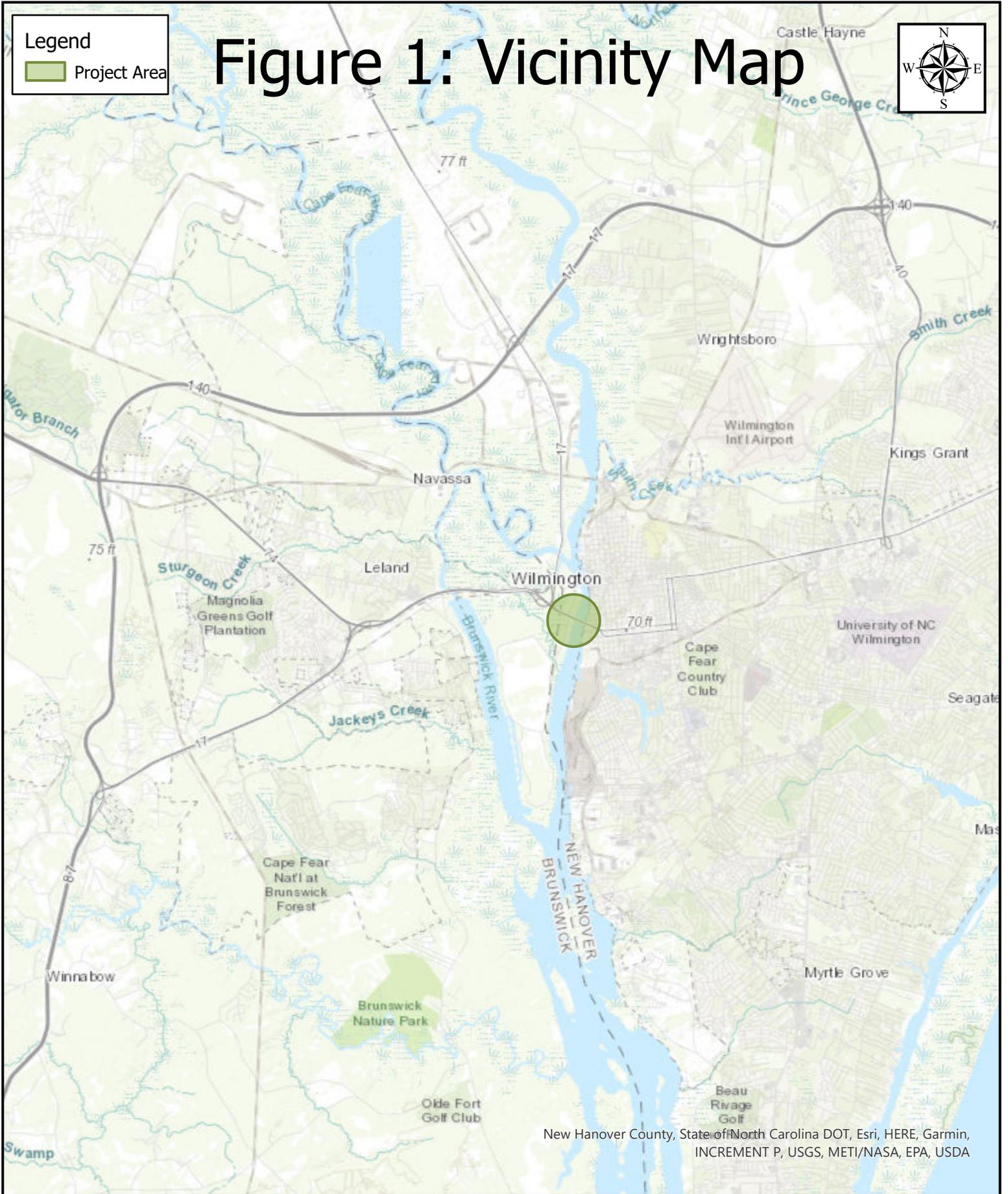
Interested parties wishing to comment on the proposed action must do so in writing no later than **March 3, 2025**. It is presumed that all parties viewing this notice will wish to respond; therefore, a lack of response will be interpreted as meaning there is no objection to the proposed action as described.

Ronnie Smith

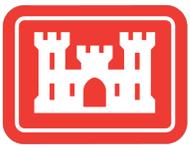
Ronnie Smith
Section 408 Coordinator
Wilmington District
U.S. Army Corps of Engineers

Legend
Project Area

Figure 1: Vicinity Map



New Hanover County, State of North Carolina DOT, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA



408-SAW-2024-0030



Map Center: 77.972958°W 34.232213°N

Map Created by: R. Smith
Date: 1/31/2025

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere

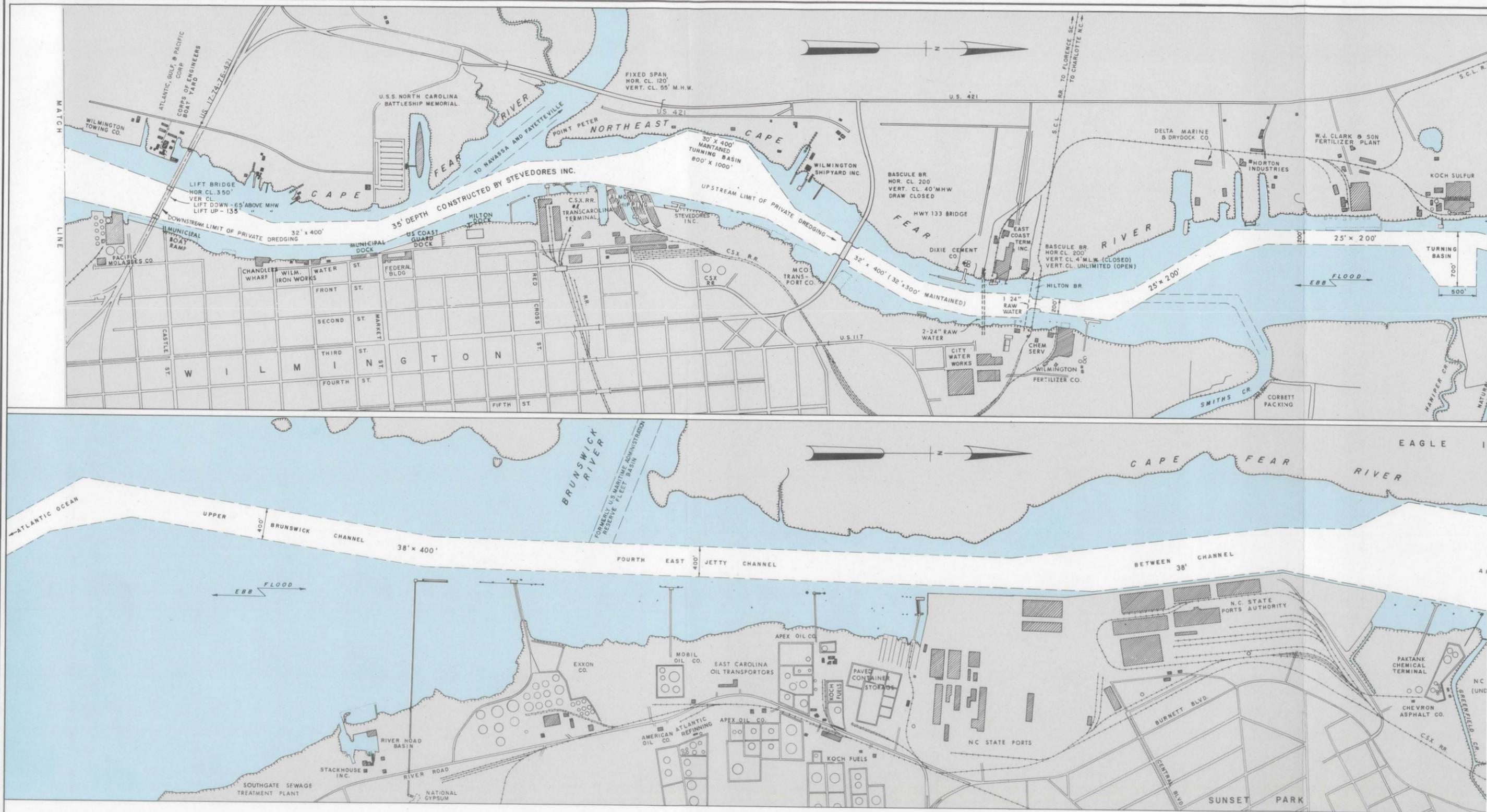
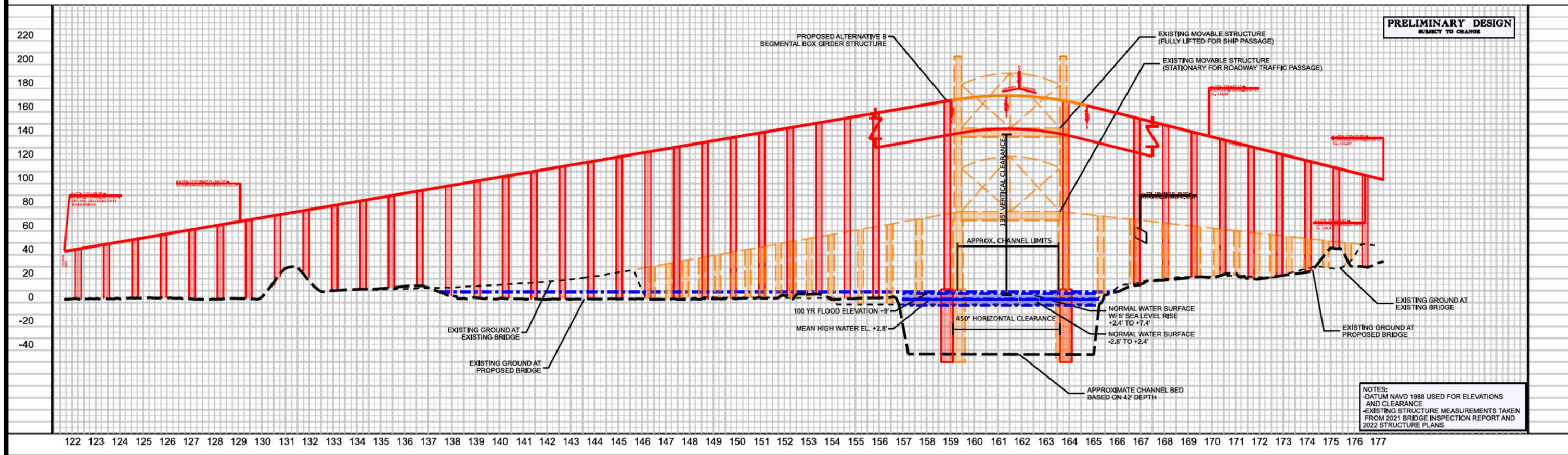


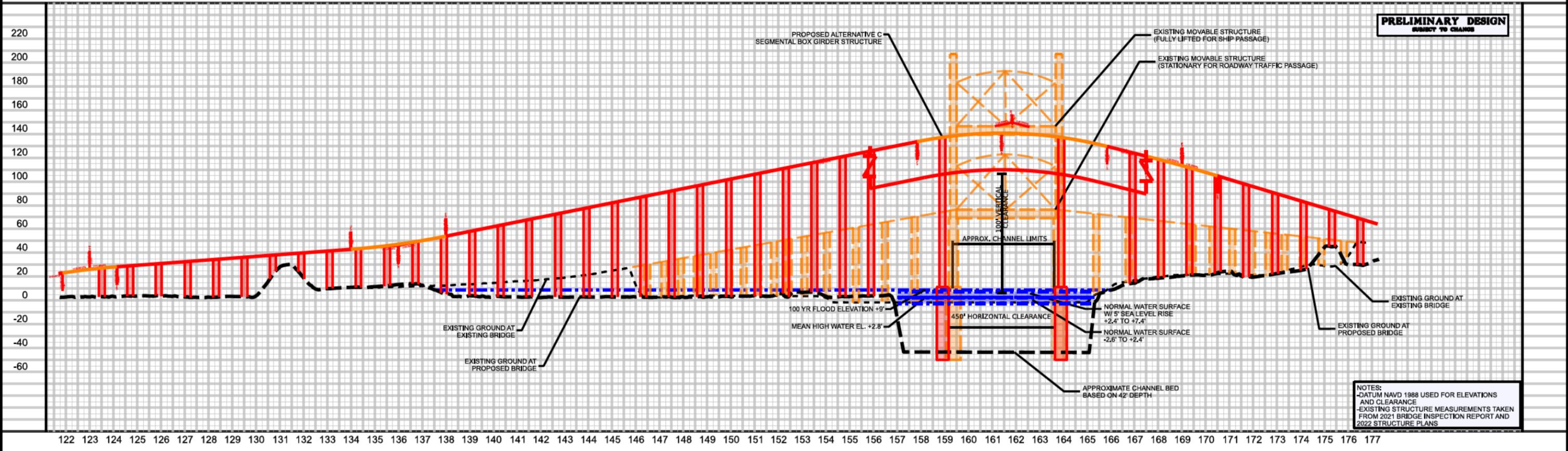
Figure 2: Federal Project Map

Figure 3: Profile View and Plan View Drawings

ALT B - 135 FT FIXED BRIDGE PROFILE



ALT C - 100 FT FIXED BRIDGE PROFILE



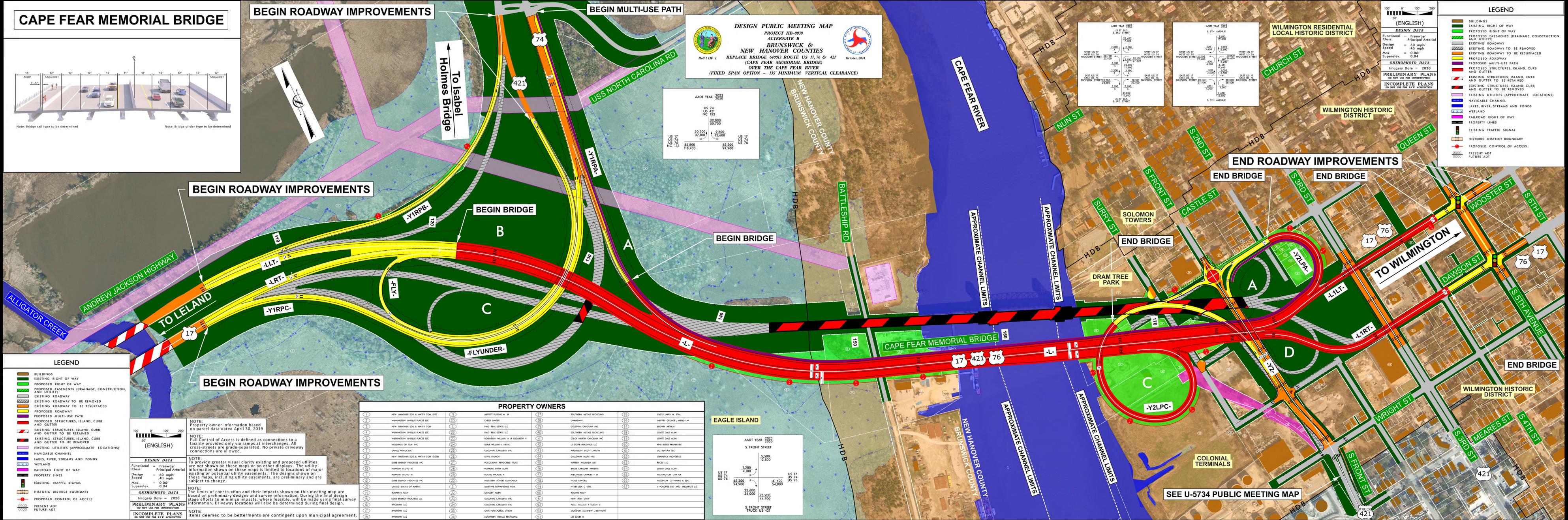


October, 2024

DESIGN PUBLIC MEETING MAP PROJECT HB-0039 ALTERNATE B BRUNSWICK & NEW HANOVER COUNTIES REPLACE BRIDGE 64003 ROUTE US 17, 76 & 421 (CAPE FEAR MEMORIAL BRIDGE) OVER THE CAPE FEAR RIVER (FIXED SPAN OPTION - 135' MINIMUM VERTICAL CLEARANCE)



Roll 1 OF 1



LEGEND

- BUILDINGS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE RESURFACED
- PROPOSED ROADWAY
- PROPOSED MULTI-USE PATH
- PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER
- EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE RETAINED
- EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE REMOVED
- EXISTING UTILITIES (APPROXIMATE LOCATIONS)
- NAVIGABLE CHANNEL
- LAKES, RIVER, STREAMS AND PONDS
- WETLAND
- RAILROAD RIGHT OF WAY
- PROPERTY LINES
- EXISTING TRAFFIC SIGNAL
- HISTORIC DISTRICT BOUNDARY
- PROPOSED CONTROL OF ACCESS
- PRESENT ADT
- FUTURE ADT

DESIGN DATA

Functional = Freeway/Principal Arterial
Class = 40 mph
Design Speed = 40 mph
Max. Superelev. = 0.04/0.04

ORTHOPHOTO DATA

Imagery Date = 2020

PRELIMINARY PLANS

DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS

DO NOT USE FOR A/E ACCREDITATION

NOTE: To provide greater visual clarity existing and proposed utilities are not shown on these maps or on other displays. The utility information shown on these maps is limited to locations of major existing or potential utility easements. The designs shown on these maps, including utility easements, are preliminary and are subject to change.

NOTE: Full Control of Access is defined as connections to a facility provided only via ramps at interchanges. All cross-streets are grade-separated. No private driveway connections are allowed.

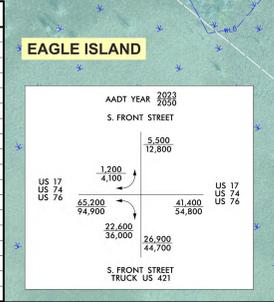
NOTE: Property owner information based on parcel data dated April 30, 2019

NOTE: The limits of construction and their impacts shown on this meeting map are based on preliminary designs and survey information. During the final design stage efforts to minimize impacts, where feasible, will be made using final survey information. Driveway locations will also be determined during final design.

NOTE: Items deemed to be betterments are contingent upon municipal agreement.

PROPERTY OWNERS

1	NEW HANOVER SOIL & WATER CON DIST	15	HERBERT BUGHNE JR	37	SOUTHERN METALS RECYCLING	55	CAGLE LARRY W ETAL
2	WILMINGTON UNIQUE PLACES LLC	16	CHEEK BAXTER	38	UNKNOWN	56	GRIFFIN GEORGE J WENDY W
3	NEW HANOVER SOIL & WATER CON	17	PARD REAL ESTATE LLC	39	COLONIAL CAROLINA INC	57	BROWN ARTHUR
4	WILMINGTON UNIQUE PLACES LLC	18	PARD REAL ESTATE LLC	40	CIT OF NORTH CAROLINA INC	58	LOWMY DAE ALAN
5	WILMINGTON UNIQUE PLACES LLC	19	ROBINSON WILLIAM A JR ELIZABETH V	41	LE DONE HOLDINGS INC	59	LOWMY DAE ALAN
6	HOLDINGS OF TCM INC	20	SEALE WILLIAM L ETAL	42	PINE RIDGE PROPERTIES	60	PINE RIDGE PROPERTIES
7	ORRELL FAMILY LLC	21	COLONIAL CAROLINA INC	43	DC RENTALS LLC	61	DC RENTALS LLC
8	NEW HANOVER SOIL & WATER CON DIST	22	LEWIS FRENCH	44	GRANDVIEW PROPERTIES	62	GRANDVIEW PROPERTIES
9	DADE ENERGY PROCESS LLC	23	PACCIONI MOVOCABLE TRUST	45	RI CSJ LLC	63	RI CSJ LLC
10	HISTORIC FLOORS INC	24	HORTON BRUNN ALAN	46	LOVETT DAE ALAN	64	LOVETT DAE ALAN
11	HISTORIC FLOORS INC	25	RODGES MARYBETH	47	ALEXANDER CHARLES JR	65	WILMINGTON CITY OF
12	DADE ENERGY PROCESS INC	26	WELSHEN ROBERT CONSTANCE	48	HOWE SANDRA	66	WILMINGTON CATHERINE A ETAL
13	UNITED STATES OF AMERIC	27	MARITIME TOMPHONES HOLD	49	HOVAT USA C ETAL	67	4 PORCHES BED AND BREAKFAST LLC
14	ROBERT E ALAN	28	QUARLES ALLEN	50	ROBERT KELLY		
15	DADE ENERGY PROCESS LLC	29	COLONIAL CAROLINA INC	51	NEW HAN CNTY		
16	BERNARDY LLC	30	COLONIAL CAROLINA INC	52	FRIG WILLIAM F SUSAN C		
17	BERNARDY LLC	31	CAPE FEAR PUBLIC UTILITY	53	MORRISON MATTHEW J BETHANN		
18	BERNARDY LLC	32	SOUTHERN METALS RECYCLING	54	LEE JERET W		



DESIGN PUBLIC MEETING MAP PROJECT HB-0039 ALTERNATE B BRUNSWICK & NEW HANOVER COUNTIES REPLACE BRIDGE 64003 ROUTE US 17, 76 & 421 (CAPE FEAR MEMORIAL BRIDGE) OVER THE CAPE FEAR RIVER (FIXED SPAN OPTION - 135' MINIMUM VERTICAL CLEARANCE)

Roll 1 OF 1
October, 2024

LEGEND

100' 0' 100' 200'
50'
(ENGLISH)

DESIGN DATA

Functional = Freeway/Principal Arterial
Class = 40 mph
Design Speed = 40 mph
Max. Superelev. = 0.04/0.04

ORTHOPHOTO DATA

Imagery Date = 2020

PRELIMINARY PLANS

DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS

DO NOT USE FOR A/E ACCREDITATION



October, 2024

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October, 2024

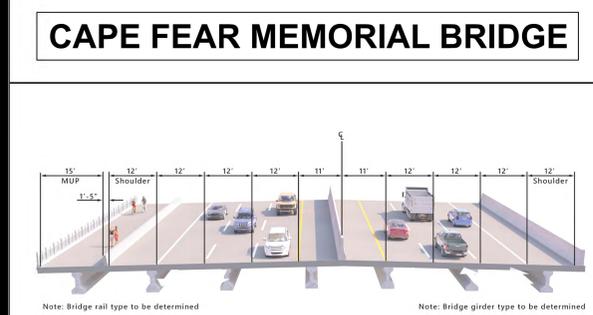
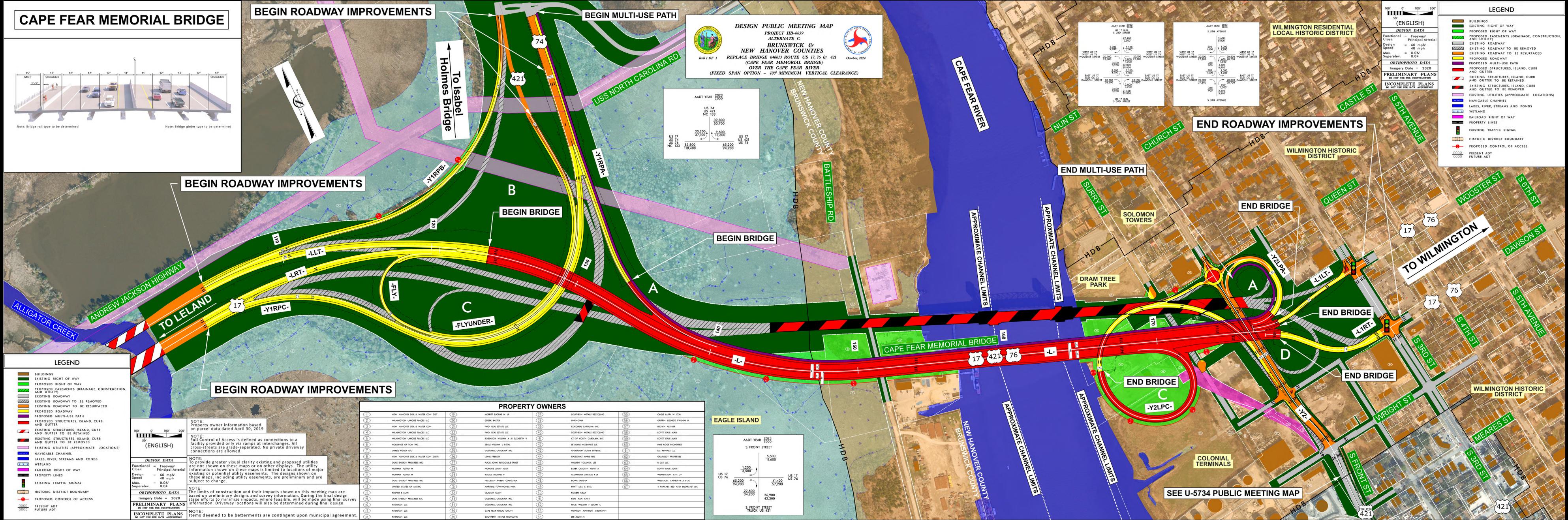


October, 2024

DESIGN PUBLIC MEETING MAP
 PROJECT HB-0039
 ALTERNATE C
BRUNSWICK & NEW HANOVER COUNTIES
 REPLACE BRIDGE 64003 ROUTE US 17, 76 & 421
 (CAPE FEAR MEMORIAL BRIDGE)
 OVER THE CAPE FEAR RIVER
 (FIXED SPAN OPTION - 100' MINIMUM VERTICAL CLEARANCE)

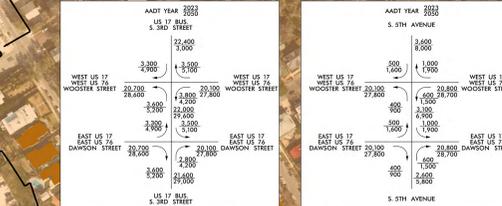
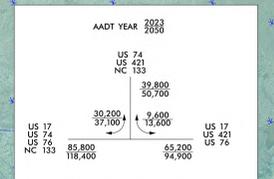


Roll 1 OF 1



DESIGN PUBLIC MEETING MAP
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BRUNSWICK & NEW HANOVER COUNTIES
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 OVER THE CAPE FEAR RIVER
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October, 2024



LEGEND

(ENGLISH)

DESIGN DATA

Functional Class = Freeway/Principal Arterial
 Design Speed = 60 mph
 Max. Superelev. = 0.06
 Superelev. = 0.04

ORTHOPHOTO DATA

Imagery Date = 2020

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2 WILMINGTON UNIQUE PLACES LLC	20 CHEEK BAKER	38 UNKNOWN	56 GRIFFIN GEORGE J WENDY M
3 NEW HANOVER SOIL & WATER CON	21 FMO REAL ESTATE LLC	39 COLONIAL CAROLINA INC	57 BROWN JEFFREY
4 WILMINGTON UNIQUE PLACES LLC	22 FMO REAL ESTATE LLC	40 SOUTHERN METALS RECYCLING	58 LOWITT DALE ALAN
5 WILMINGTON UNIQUE PLACES LLC	23 WILMINGTON UNIQUE PLACES LLC	41 CITY OF NORTH CAROLINA INC	59 LOWITT DALE ALAN
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8 NEW HANOVER SOIL & WATER CON DIST	26 LEWIS FRENCH	44 GALLOWAY MARIE HES	62 GAMBRETT PROPERTIES
9 DUKE ENERGY PROGRESS INC	27 PACCORION MOVOCABLE TRUST	45 WARRIOR VOLUNTEER LLC	63 RUSSELL LLC
10 HUNTER FREDRIC JR	28 HUNTER FREDRIC JR	46 BARRY CAROLYN JENNIFER	64 LOWITT DALE ALAN
11 HUNTER FREDRIC JR	29 HUNTER FREDRIC JR	47 WILMINGTON CHURCH OF CHRIST	65 WILMINGTON CITY OF
12 DUKE ENERGY PROGRESS INC	30 DUKE ENERGY PROGRESS INC	48 HONE SANDRA	66 WILMINGTON CATHERINE A ETAL
13 UNITED STATES OF AMERICA	31 WASHINGTON TOWNHOMES HOA	49 WHITT USA C ETAL	67 A FORCHES RED JACO BRANSTET LLC
14 ROBERT S ALAN	32 QUARLEY ALLEN	50 ROBERT KELLY	
15 DUKE ENERGY PROGRESS LLC	33 COLONIAL CAROLINA INC	51 NEW HAN CNTY	
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