



16951/1111  
November 18, 2016

### **PUBLIC NOTICE (09-16)**

All interested parties are notified that Commander, Seventh Coast Guard District has received an application dated May 26, 2016 from Michael Baker International, on behalf of Chatham County, Georgia, requesting approval of location and plans for the replacement of a dual bascule bridges over a navigable waterway of the United States.

**WATERWAY AND LOCATION:** Atlantic Intracoastal Waterway (AICW), (Wilmington River), mile 579.9 on County Route 787 in the City of Savannah, Chatham County, Georgia, Latitude 32°03'43.8"N, Longitude 81°01'47.5"W.

**CHARACTER OF WORK:** The project involves the replacement of existing parallel two-lane, double-leaf bascule bridges with parallel two-lane, high-level fixed bridge structures. The new westbound span will be built essentially along the same alignment offset approximately 1-foot north of the current westbound span. The new eastbound span will be built along the same alignment, after the existing spans are removed, approximately 44-feet south of the new westbound span. The proposed typical section of the westbound span includes two 12-foot vehicle lanes with one 12-foot and one 4-foot shoulder. The proposed typical section of the eastbound span includes two 12-foot vehicle lanes with one 4-foot and one 8-foot shoulder. The out-to-out width for the proposed westbound span is approximately 43.25-feet and the proposed eastbound span is approximately 39.25-feet. The overall length of the proposed parallel high-level fixed bridge structures will be approximately 1,970-feet from abutment to abutment. All parts of the existing bridge structures will be removed and their substructures will be removed in their entirety.

### **MINIMUM NAVIGATIONAL CLEARANCES:**

#### **Existing Parallel Bascule Bridges:**

Horizontal: 100-feet between fenders, normal to the axis of the channel.

Vertical: 21-feet at Mean High Water (MHW) in the closed position.

#### **Proposed Parallel Fixed Bridges:**

Horizontal: 170-feet between fenders, normal to the axis of the channel.

Vertical: 65-feet at Mean High Water (MHW)

### **ENVIRONMENTAL CONSIDERATIONS:**

The Federal Highway Administration (FHWA), the lead federal agency, has made a tentative determination that the proposed action is a Categorical Exclusion for the purposes of the National Environmental Policy Act (NEPA). The documents are available for review at the above address, Monday through Friday, 7:30 a.m. to 4:00 p.m. The bridges are located in the floodplain. The 100-year flood elevation is +12.71-feet; low member elevation of the proposed parallel fixed bridges is 27.46-feet. Elevations are reference to NAVD 88 datum. Approximately 29,139 cubic yards of new fill material would be added and approximately 92,078 cubic yards of

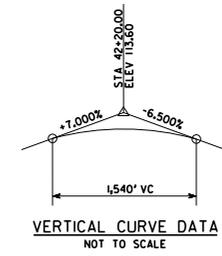
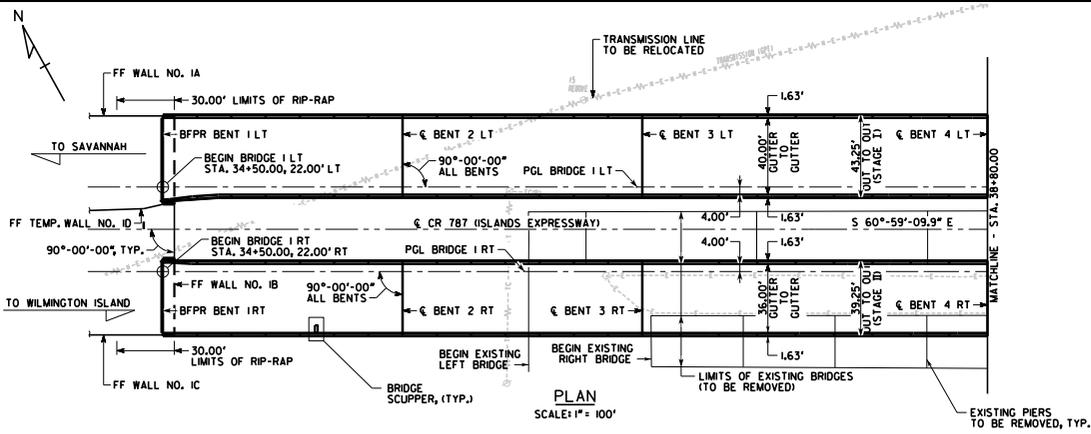
existing fill material will be removed from the existing east bridge approach. Total project implementation will result in a net benefit of approximately 62,939 cubic yards of fill material to the flood storage capacity of the Wilmington River Floodplain. Approximately 5.675 acres of wetland will be affected by the project. Water quality certification pursuant to Section 401, Public Law 92-500, 33 USC Section 1341, as amended, has been applied for, and will be issued by the Georgia Department of Natural Resources (GDNR) – Environmental Protection Division (ERD). Section 404 Individual Permit has been applied for and will be issued by U.S. Army Corp of Engineers (USACE). FHWA has completed consultation with the U.S. Fish and Wildlife Service and National Marine Fisheries Service regarding impacts to Threatened and Endangered Species and Essential Fish Habitat. No parklands, wildlife refuges, or historic properties will be affected by the project. Temporary impacts to navigation during construction are anticipated. Mariners will be notified of the details of in water construction activities which will impact the navigation channel at and around the bridge site. Details of navigational impacts including dates and durations of full and partial channel blockage will be disseminated to mariners via the Coast Guard's Local Notice to Mariners (LNM). To subscribe to the Coast Guard LNM and other free Coast Guard navigation notification services, please visit <http://www.navcen.uscg.gov/> under "Subscribe / Report (free)" select the notifications you wish to receive; note this project is located in the Seventh Coast Guard District area.

#### **SOLICITATION OF COMMENTS:**

Mariners are requested to comment on the proposed vertical and horizontal navigational clearances and other navigational safety issues, including but not limited to impacts due to construction activities. Interested parties are requested to express their views, in writing, on the proposed bridge project including its possible impact on minority and/or low income population, if any, giving sufficient detail to establish a clear understanding of their reasons for support of, or opposition to, the proposed work. Comments will be received for the record at the office of: Commander (dpb), Seventh Coast Guard District, 909 SE 1st Ave., Ste 432, Miami, Florida 33131-3028, for a 30-day period from the date of this public notice. Our project manager for this application is Ms. Jennifer Zercher. She can be contacted by telephone at (305) 415-6740, by mail at the above address, or e-mail at [jennifer.n.zercher@uscg.mil](mailto:jennifer.n.zercher@uscg.mil). Comments received will be made part of the case record.

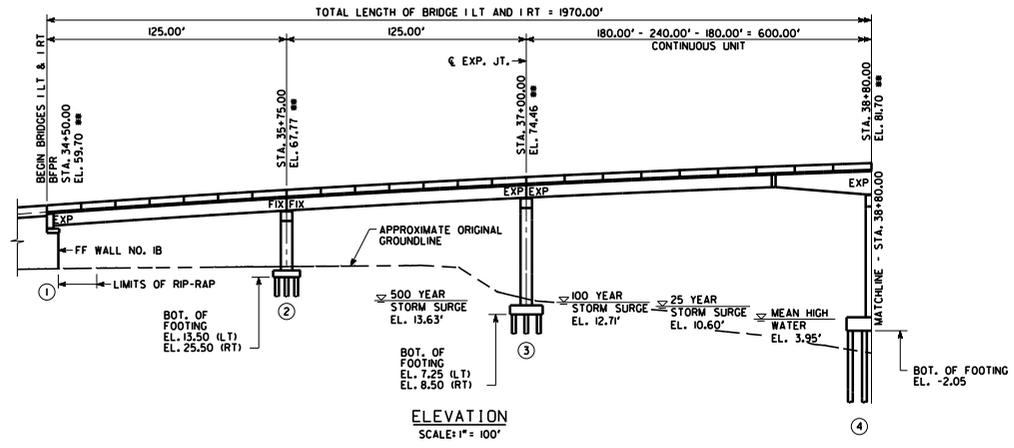
Map of location and plans attached.



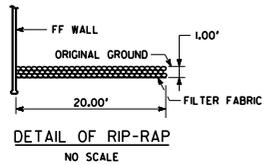


NOTES:

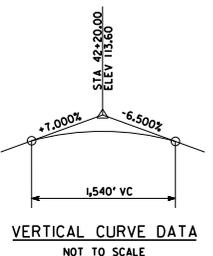
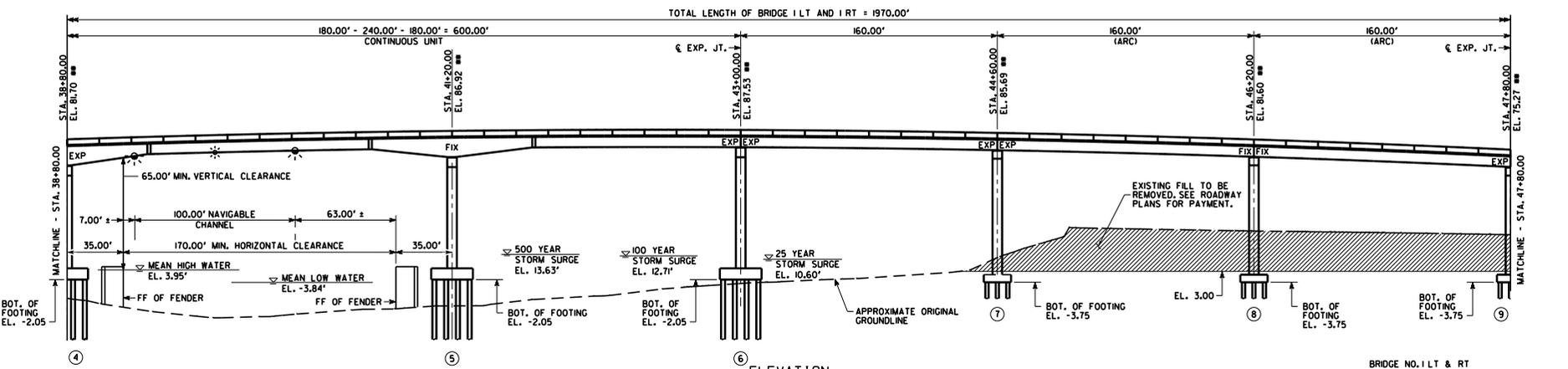
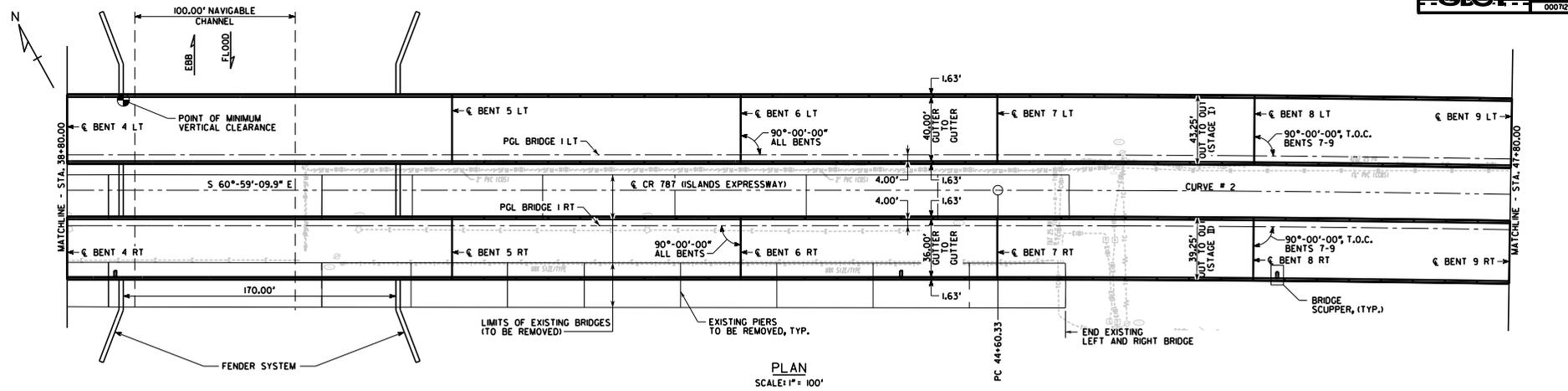
1. ALL BENTS ARE RADIAL.
2. END BENT PILES NOT SHOWN.
3. ## STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND BFP OR CENTERLINE BENT.
4. REMOVAL PLAN: ALL PARTS OF EXISTING BRIDGES AND SUBSTRUCTURES WILL BE REMOVED DOWN TO THE STREAM BED.
5. VERTICAL DATUM NAVD 1988.
6. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD PERMIT.



EXISTING BRIDGE SERIAL NO. 051-5027-0  
 EXISTING BRIDGE I.D. NO. 051-00787X-003.48E  
 EXISTING BRIDGE SERIAL NO. 051-0132-0  
 EXISTING BRIDGE I.D. NO. 051-00787X-003.47E  
 PROJECT P.I. NO. 000728



BRIDGE NO. 1LT & RT <b>Michael Baker International</b> GEORGIA <b>DEPARTMENT OF TRANSPORTATION</b> PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN		MICHAEL BAKER INTERNATIONAL 420 TECHNOLOGY PARKWAY, SUITE 150 NORCROSS, GEORGIA 30092 (770) 263-9118	
		PLAN AND ELEVATION CR 787 (ISLANDS EXPRESSWAY) OVER WILMINGTON RIVER (AICW MP 579.9) CHATHAM COUNTY 000728	
SCALE: AS SHOWN		NOVEMBER 2016	
DESIGNED: GJM DRAWN: BSB	CHECKED: ABB DESIGN GROUP: DPD	REVISIONS:	REVISIONS:
BRIDGE SHEET 2 OF 7		APPROVED: BMD	



**HORIZONTAL CURVE DATA**  
 CURVE # 2  
 P.I. STA. 46+99.13  
 $\Delta = 1^\circ 22' 05.2''$  (RT.)  
 $D = 0^\circ 17' 11.3''$   
 $R = 20000.00'$   
 $T = 236.79'$   
 $L = 471.56'$

- NOTES:**
1. ALL BENTS ARE RADIAL.
  2. \*\* STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND BPPR OR CENTERLINE BENT.
  3. VERTICAL DATUM NAVD 1988.
  4. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD PERMIT.



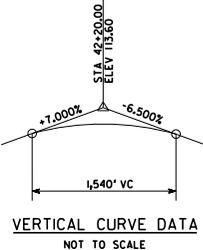
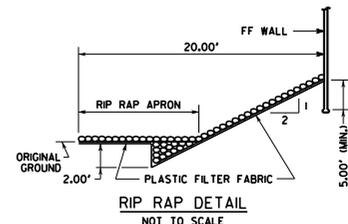
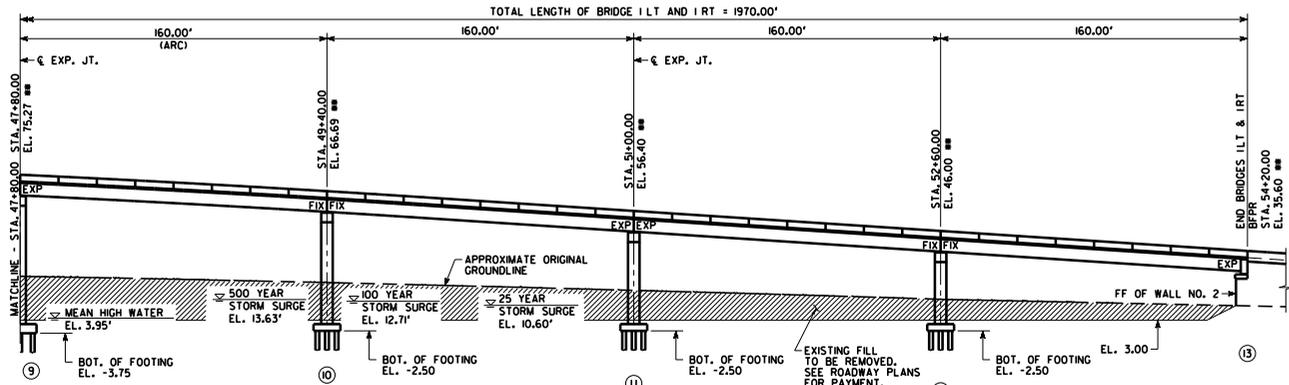
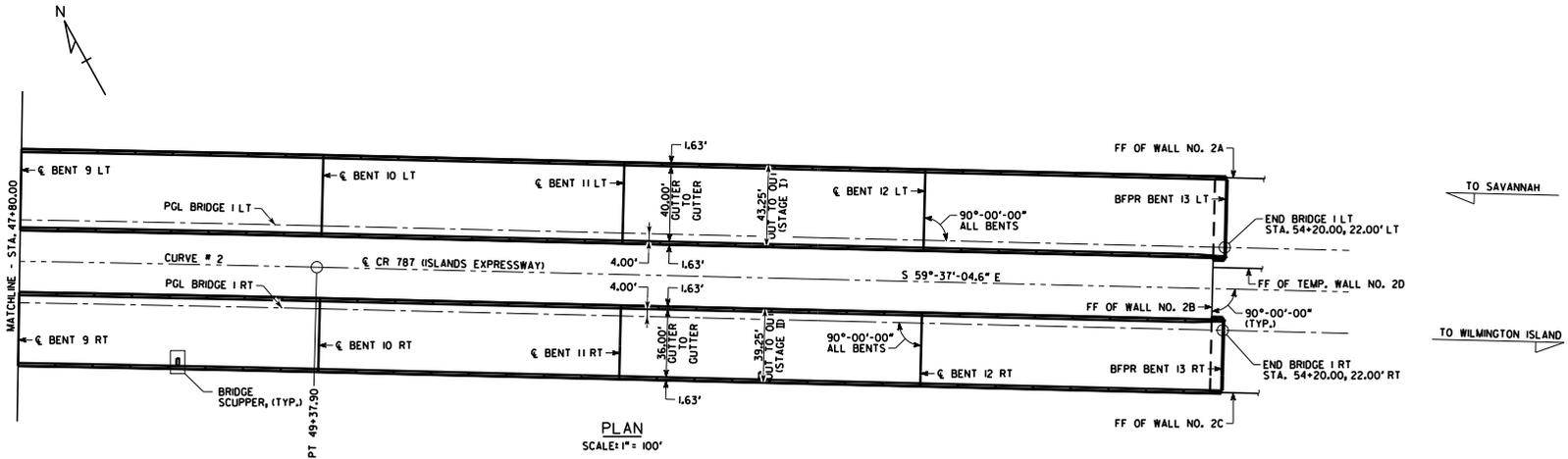
DATE	
REVISIONS	

**Michael Baker International**  
 GEORGIA  
**DEPARTMENT OF TRANSPORTATION**  
 PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

PLAN AND ELEVATION  
 CR 787 (ISLANDS EXPRESSWAY)  
 OVER WILMINGTON RIVER (AICW MP 579.9)  
 CHATHAM COUNTY 000728

SCALE: AS SHOWN      NOVEMBER 2016

DESIGNED: GJM	CHECKED: ABB	REVIEWED: SKG/BLC
DRAWN: BSB	DESIGN GROUP: DPD	APPROVED: WMD



**HORIZONTAL CURVE DATA**  
 CURVE # 2  
 P.I. STA. 46+99J3  
 Δ = 1° 22' 05.2" (RT.)  
 D = 0° 17' 11.3"  
 R = 20000.00'  
 T = 238.79'  
 L = 477.46'

- NOTES:**
1. ALL BENTS ARE RADIAL.
  2. END BENT PILES NOT SHOWN.
  3. ## STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND BFPR OR CENTERLINE BENT.
  4. VERTICAL DATUM NAVD 1988.
  5. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD PERMIT.



BRIDGE NO. 1 LT & RT

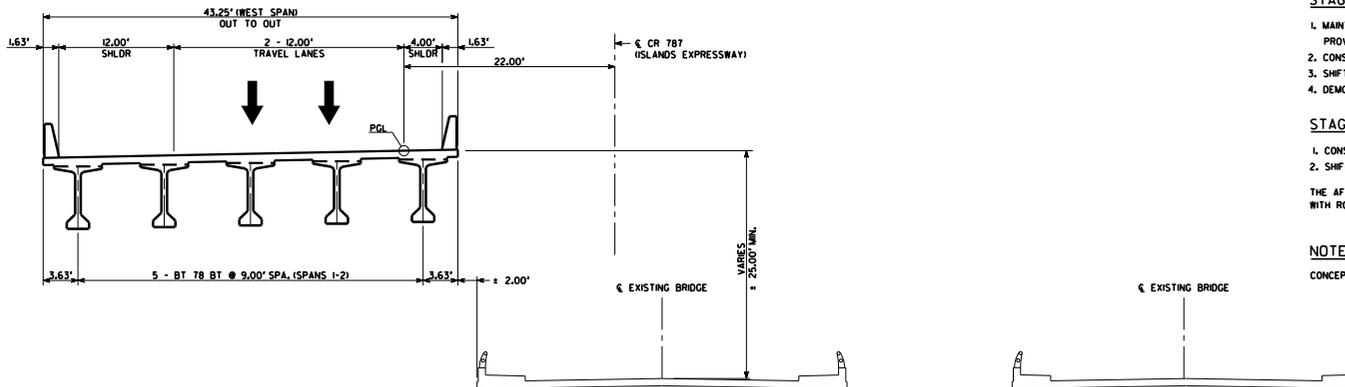
**Michael Baker International**  
 MICHAEL BAKER INTERNATIONAL  
 400 TECHNOLOGY PARKWAY, SUITE 150  
 NORCROSS, GEORGIA 30092  
 (770) 263-9118

GEORGIA  
**DEPARTMENT OF TRANSPORTATION**  
 PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

PLAN AND ELEVATION  
 CR 787 (ISLANDS EXPRESSWAY)  
 OVER WILMINGTON RIVER (AICW MP 579.9)  
 CHATHAM COUNTY 000728

SCALE: AS SHOWN NOVEMBER 2016

DESIGNED: GJM	CHECKED: ABB	REVIEWED: SKC/BLC
DRAWN: BSB	DESIGN GROUP: DPD	APPROVED: WMD



STAGE I  
LOOKING AHEAD  
SCALE: NONE

**STAGE I**

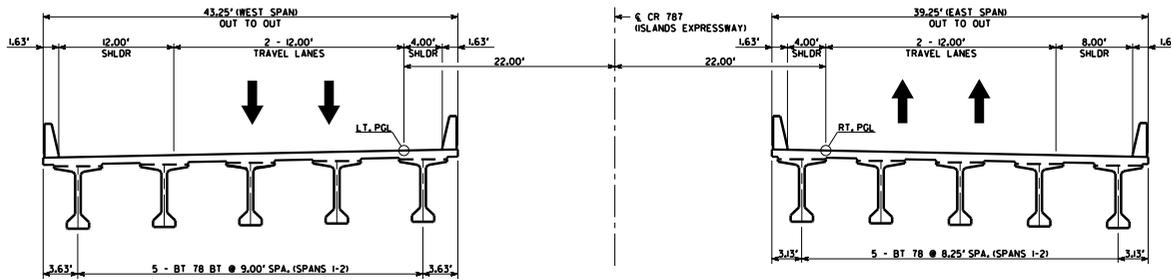
1. MAINTAIN TRAFFIC ON EXISTING BRIDGES. PROVIDE TEMPORARY SHORING AS NECESSARY.
2. CONSTRUCT PROPOSED BRIDGE I LT.
3. SHIFT TRAFFIC TO NEW CONSTRUCTION.
4. DEMOLISH EXISTING BRIDGES.

**STAGE II**

1. CONSTRUCT PROPOSED BRIDGE I RT.
  2. SHIFT EASTBOUND TRAFFIC TO NEW CONSTRUCTION.
- THE AFOREMENTIONED SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS, SEE ROADWAY PLANS.

**NOTE**

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD PERMIT.



STAGE II  
LOOKING AHEAD  
SCALE: NONE

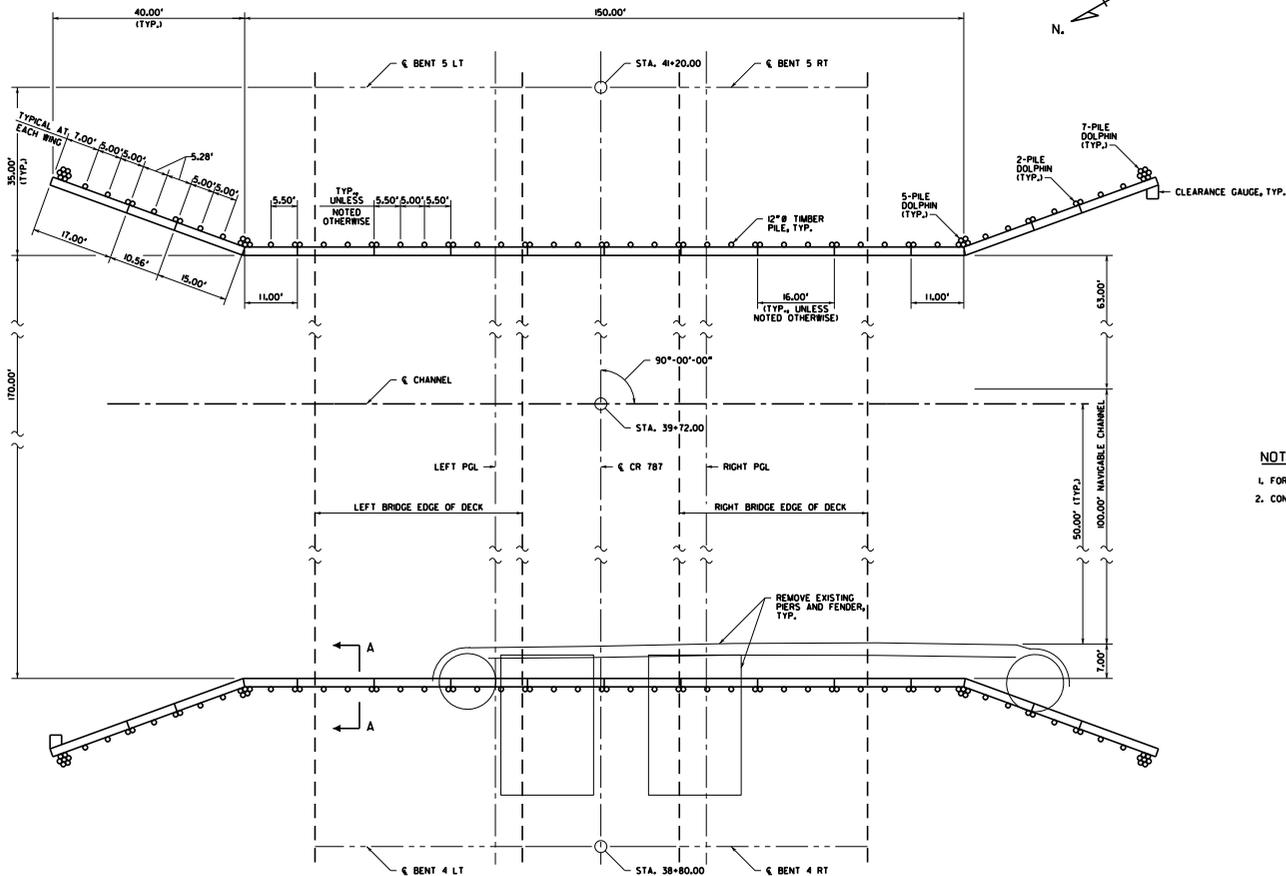
BRIDGE NO. 1 LT & RT

<b>Michael Baker</b> INTERNATIONAL	MICHAEL BAKER INTERNATIONAL 400 TECHNOLOGY PARKWAY, SUITE 150 NORCROSS, GEORGIA 30092 17701 263-9118
	GEORGIA <b>DEPARTMENT OF TRANSPORTATION</b> PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN
CONSTRUCTION SEQUENCE CR 787 (ISLANDS EXPRESSWAY) OVER WILMINGTON RIVER (AICW MP 579.9) CHATHAM COUNTY 000728	
SCALE: AS SHOWN	NOVEMBER 2016



REVISIONS	DATE

DESIGNED: GJM	CHECKED: ABB	REVIEWED: SKG/BLC
DRAWN: BSB	DESIGN GROUP: DPD	APPROVED: WMD



**NOTES:**

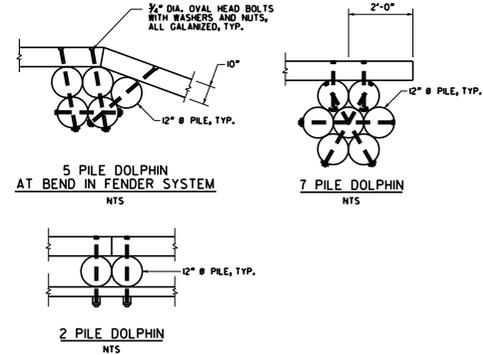
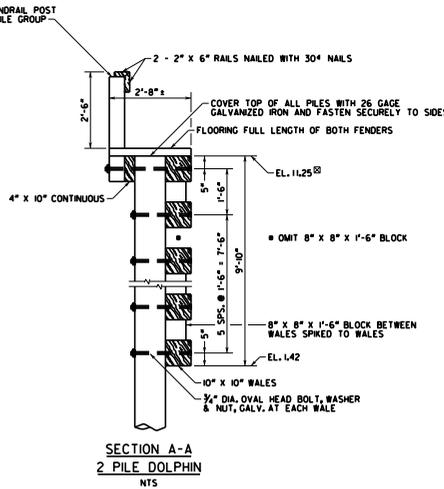
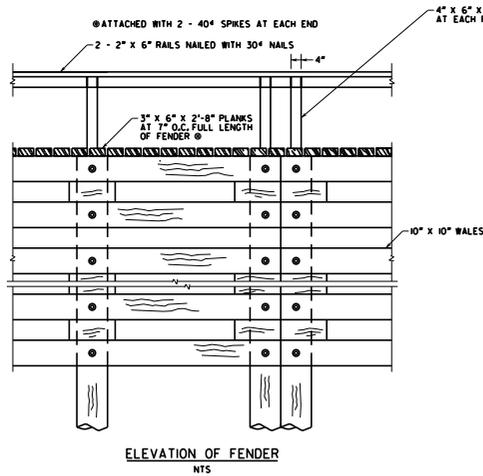
1. FOR FENDER SYSTEM DETAILS, SEE SHEET 8 OF 8.
2. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT.

PLAN  
SCALE: 1" = 40'



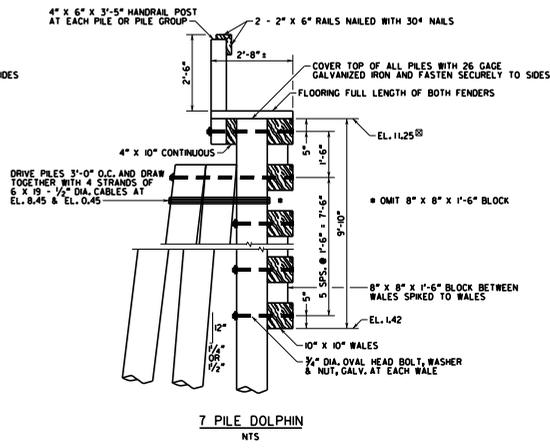
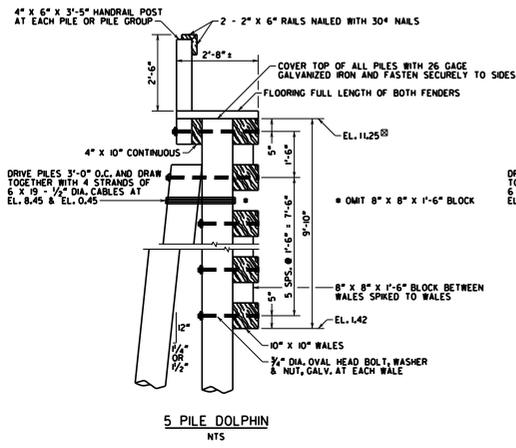
BRIDGE NO. 1 LT & RT

	MICHAEL BAKER INTERNATIONAL 420 TECHNOLOGY PARKWAY, SUITE 150 NORCROSS, GEORGIA 30092 (770) 263-9118
	GEORGIA <b>DEPARTMENT OF TRANSPORTATION</b> PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN
<b>FENDER SYSTEM PLAN</b> CR 787 (ISLANDS EXPRESSWAY) OVER WILMINGTON RIVER (AICW MP 579.9) CHATHAM COUNTY 000728	
SCALE: AS SHOWN	NOVEMBER 2016
DESIGNED: GJM DRAWN: BSB	CHECKED: ABB DESIGN GROUP: DPD
REVISIONS:	REVISION: SKG/DLC APPROVED: WMD



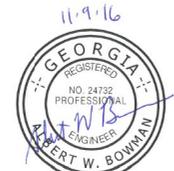
- NOTES:
1. BOLTS AND ANCHORS SHALL BE STANDARD.
  2. ALL BOLTS, ANCHORS, AND OTHER STEEL TO BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A-153.
  3. BRIDGE TIMBERS SHALL BE TREATED FOR MARINE ENVIRONMENT IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION B63 OVAL TREATMENT SHALL BE REQUIRED.
  4. ROUGH CUT TIMBERS ARE TO BE USED.
  5. TIMBERS SHALL BE DRIVEN TO A MINIMUM PENETRATION OF 25 FEET.
  6. ALL COST FOR REMOVING THE EXISTING FENDER SYSTEM SHALL BE INCLUDED IN THE PRICE BID FOR REMOVAL OF EXISTING BRIDGE.
  7. CABLES SHALL BE SPACE-LAY AS MANUFACTURED BY UNION WIRE ROPE COMPANY OR APPROVED EQUAL. CABLE SIZE SHALL BE 1/2" x 3/8" CONSTRUCTION 6 x 19 HRG. CABLE SHALL BE IMPREGNATED AND COATED WITH BLACK ULTRAVIOLET PROTECTED POLYETHYLENE OR POLYPROPYLENE TO A MINIMUM THICKNESS OF 1/4". CABLE SHALL BE GALVANIZED PRIOR TO APPLICATION OF PLASTIC COATING. CUT ENDS OF CABLE AND ALL HARDWARE SHALL BE COATED WITH A TYPE 2<sup>ND</sup> PROTECTIVE COATING AS PER SECTION 535 OF THE STANDARD SPECIFICATIONS.
  8. CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD PERMIT.

☐ - MATCH EXISTING FENDER SYSTEM ELEVATION



BRIDGE NO. 1LT & RT

<p><b>Michael Baker International</b></p> <p>420 TECHNOLOGY PARKWAY, SUITE 150 NORCROSS, GEORGIA 30092 17701 863-9118</p>		<p>GEORGIA <b>DEPARTMENT OF TRANSPORTATION</b> PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN</p>	
		<p>FENDER SYSTEM DETAIL CR 787 (ISLANDS EXPRESSWAY) OVER WILMINGTON RIVER (AICW MP 579.9) CHATHAM COUNTY 0007128</p>	
<p>SCALE: AS SHOWN</p>		<p>NOVEMBER 2016</p>	
DESIGNED: GJM	CHECKED: ABB	REVIEWED: SKG/BLC	
DRAWN: BSB	DESIGN GROUP: DPD	APPROVED: WMD	



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