



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

November 15, 2006

N. C. Dept. of Environment and Natural Resources  
Division of Coastal Management  
N. C. Division of Coastal Management  
400 Commerce Avenue  
Morehead City, NC 28557

ATTENTION: Mr. Stephen Lane  
Coastal Management Representative

Dear Sir:

Subject: **Revision to the CAMA Major Development Permit Application** for the Replacement of Bridge No. 60 (Alfred Cunningham Bridge) over the Trent River on US 70 Business (East Front Street); Craven County; TIP Project B-2532; Federal Aid Project No. BRSTP-070B(4); State Project No.8.1172401; WBS 32649.1.1.

Please find the attached the revised copy of the US Coast Guard (USCG) drawing for this project. The revisions to the bridge are due to the design modifications to the Bascule spans. Each Bascule span is now 8'6" longer and the total length of the approach spans have been shortened accordingly. The temporary channel is narrowed from 66' to 51'. The overall length of the bridge is unchanged. There are no additional impacts associated with this revision; the changes are staying within the footprint of the bridge.

During construction, the pier of the existing swing span will be utilized as a temporary support for the new Bascule spans. This detail has been added to the drawings.

If you have any questions or need additional information, please contact Chris Underwood at (919) 715-1451.

Sincerely,

A handwritten signature in black ink that reads "G. J. Thorpe".

fd

Gregory J. Thorpe, Ph.D., Environmental Management Director  
Project Development and Environmental Analysis

W/attachment:

Mr. John Hennessy, NCDWQ

W/o attachment

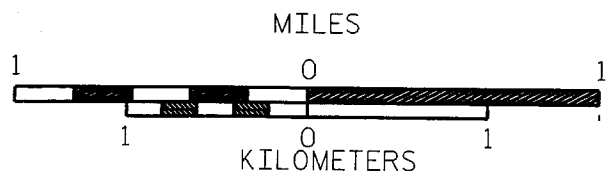
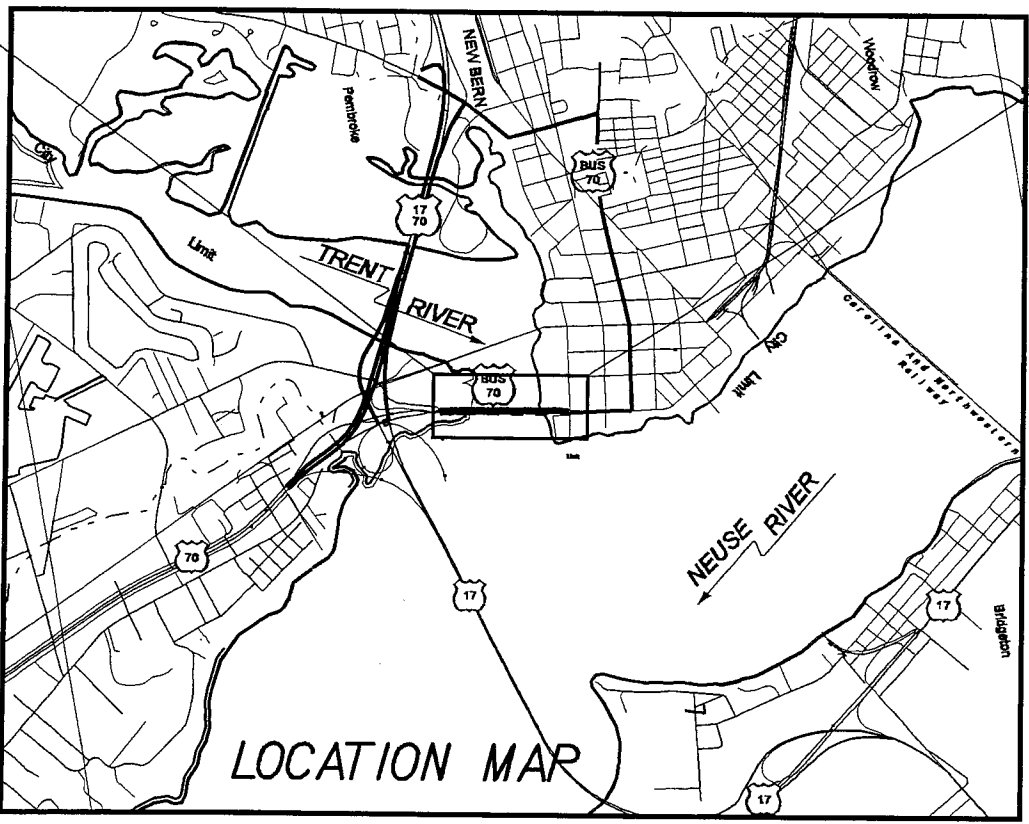
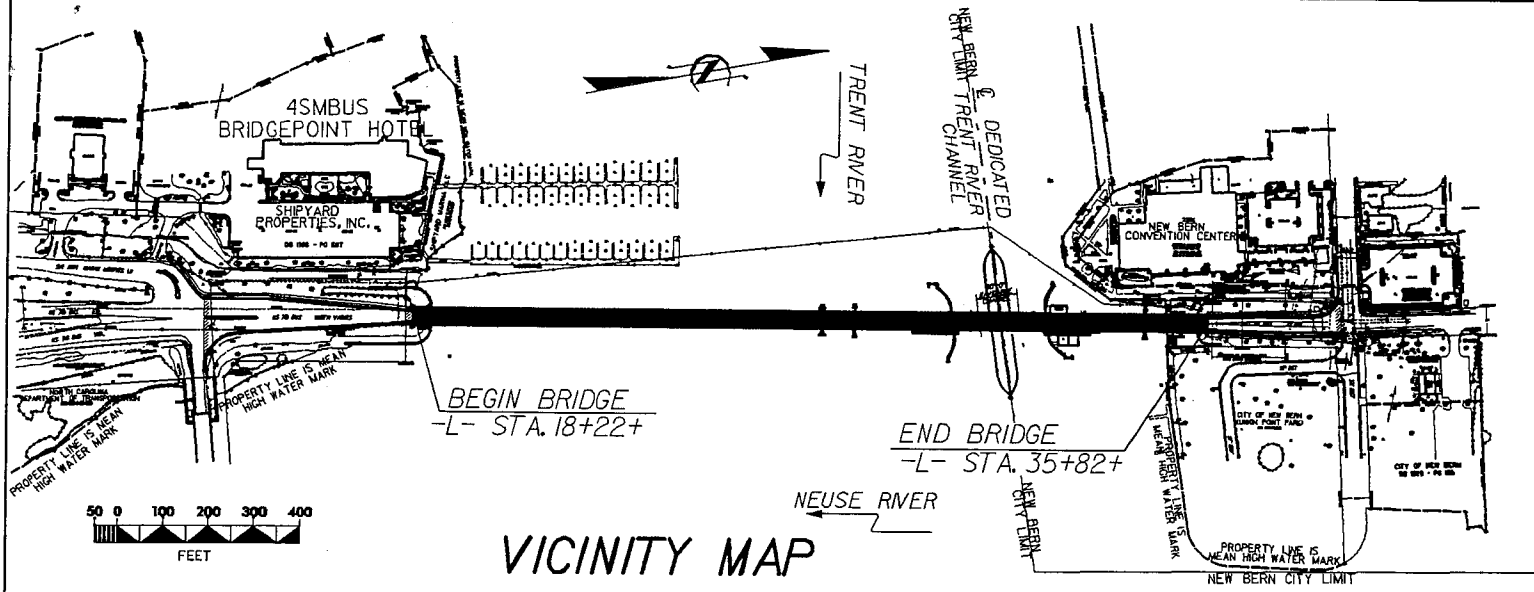
Mr. Steve Sollod, NCDCM

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS  
1548 MAIL SERVICE CENTER  
RALEIGH NC 27699-1548

TELEPHONE: 919-733-3141  
FAX: 919-733-9794

WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

**LOCATION:**  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH NC



SHEET 1 OF 5  
REVISED 7-13-06

STATE OF NORTH CAROLINA  
**DEPARTMENT OF TRANSPORTATION**  
RALEIGH

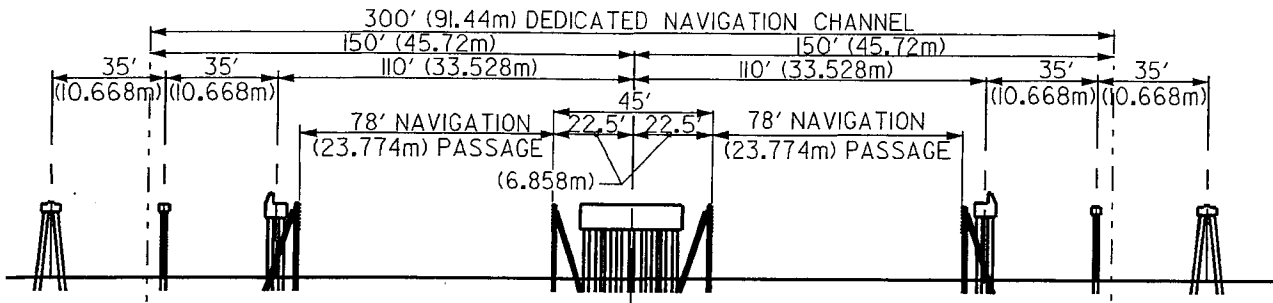
ALFRED CUNNINGHAM BRIDGE REPLACEMENT  
ON US 70 BUSINESS OVER TRENT RIVER  
BETWEEN US 70 BYPASS AND US 17

**CRAVEN COUNTY**  
TRENT RIVER ( MILE POINT 0.0 )

DRAWN BY : H. A. LUCAS  
DATE : 03-06

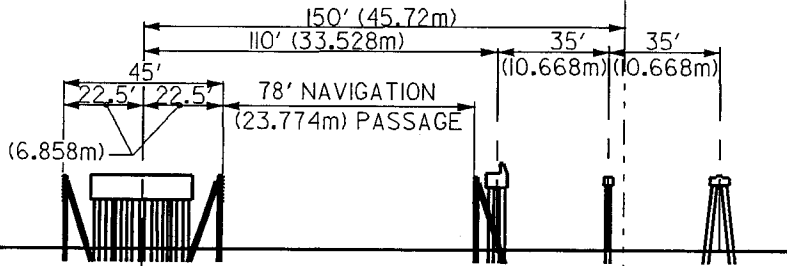
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DATE : 7-14-06





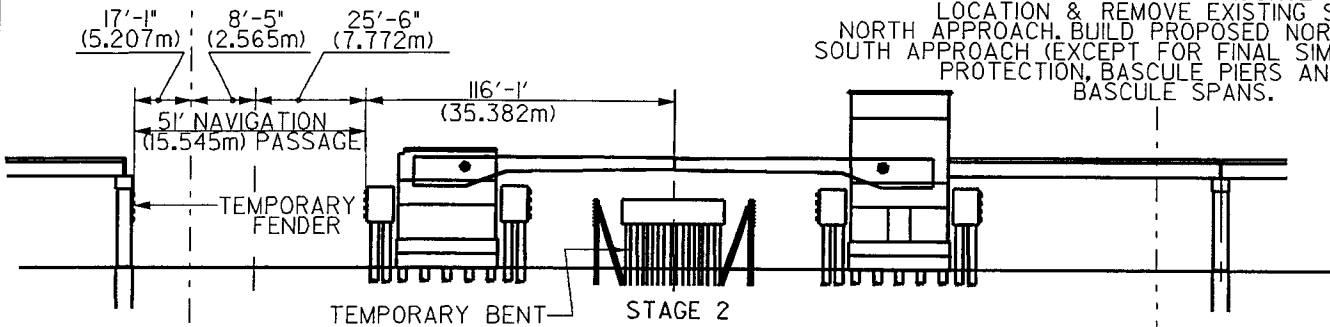
EXISTING CONDITIONS

STAGE 1 - REMOVE SOUTH APPROACH & SOUTH REST PIER WHILE MAINTAINING EXISTING NORTHERN NAVIGATION CHANNEL



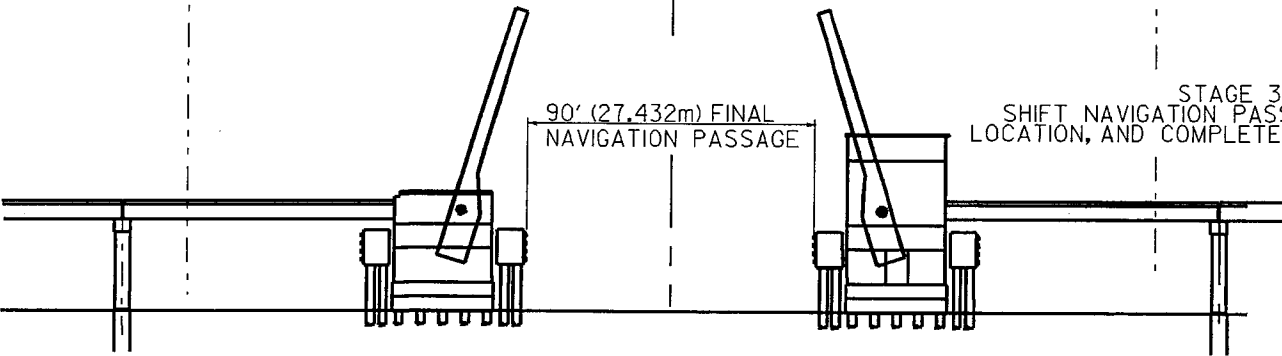
STAGE 1

STAGE 2 - SHIFT NAVIGATION PASSAGE TO TEMPORARY LOCATION & REMOVE EXISTING SWING SPAN & NORTH APPROACH. BUILD PROPOSED NORTH APPROACH, SOUTH APPROACH (EXCEPT FOR FINAL SIMPLE SPAN), PIER PROTECTION, BASCULE PIERS AND PLACE BASCULE SPANS.



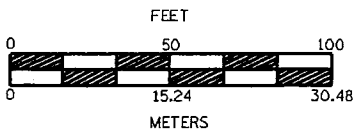
STAGE 2

STAGE 3 - SHIFT NAVIGATION PASSAGE TO FINAL LOCATION, AND COMPLETE SOUTH APPROACH.



STAGE 3

CONSTRUCTION STAGING



SHEET 3 OF 5

REVISED 7-13-06

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

ALFRED CUNNINGHAM BRIDGE REPLACEMENT  
 ON US 70 BUSINESS OVER TRENT RIVER  
 BETWEEN US 70 BYPASS AND US 17

CRAVEN COUNTY  
 TRENT RIVER ( MILE POINT 0.0 )

DRAWN BY : H. A. LUCAS

DATE : 03-06

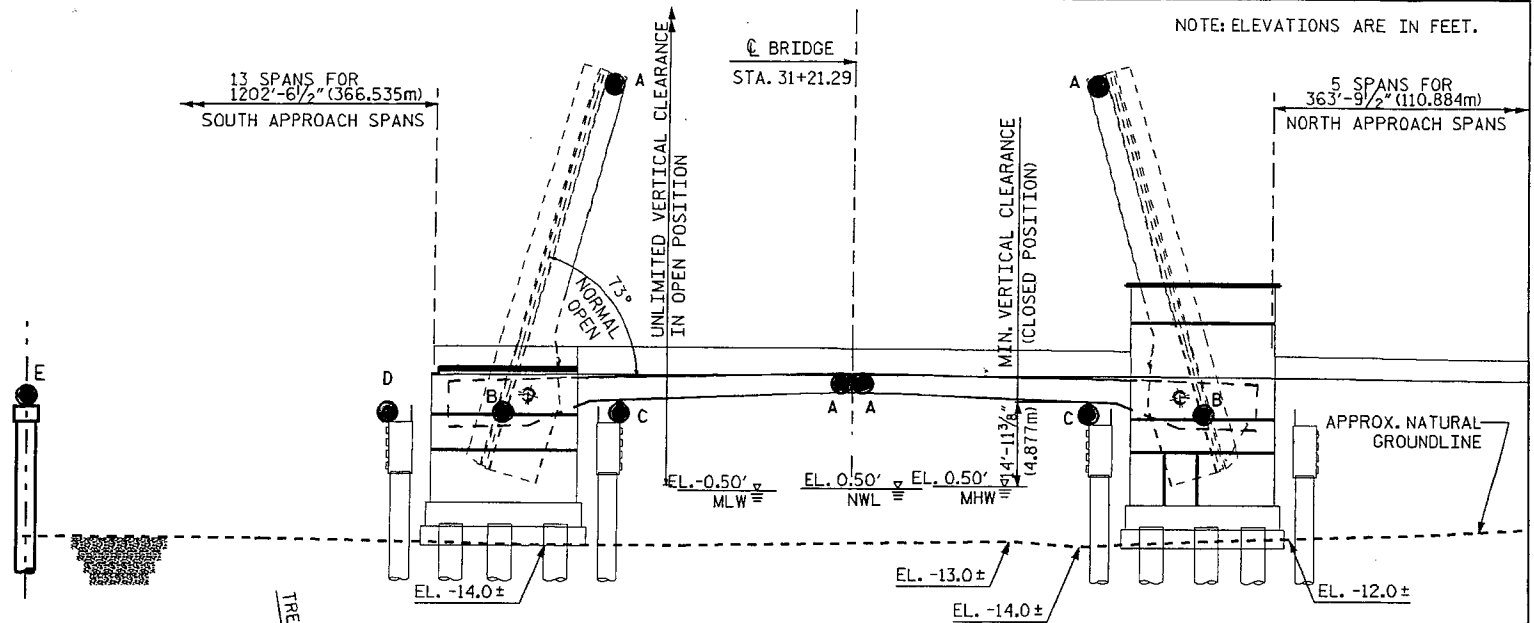
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DATE : 7-14-06

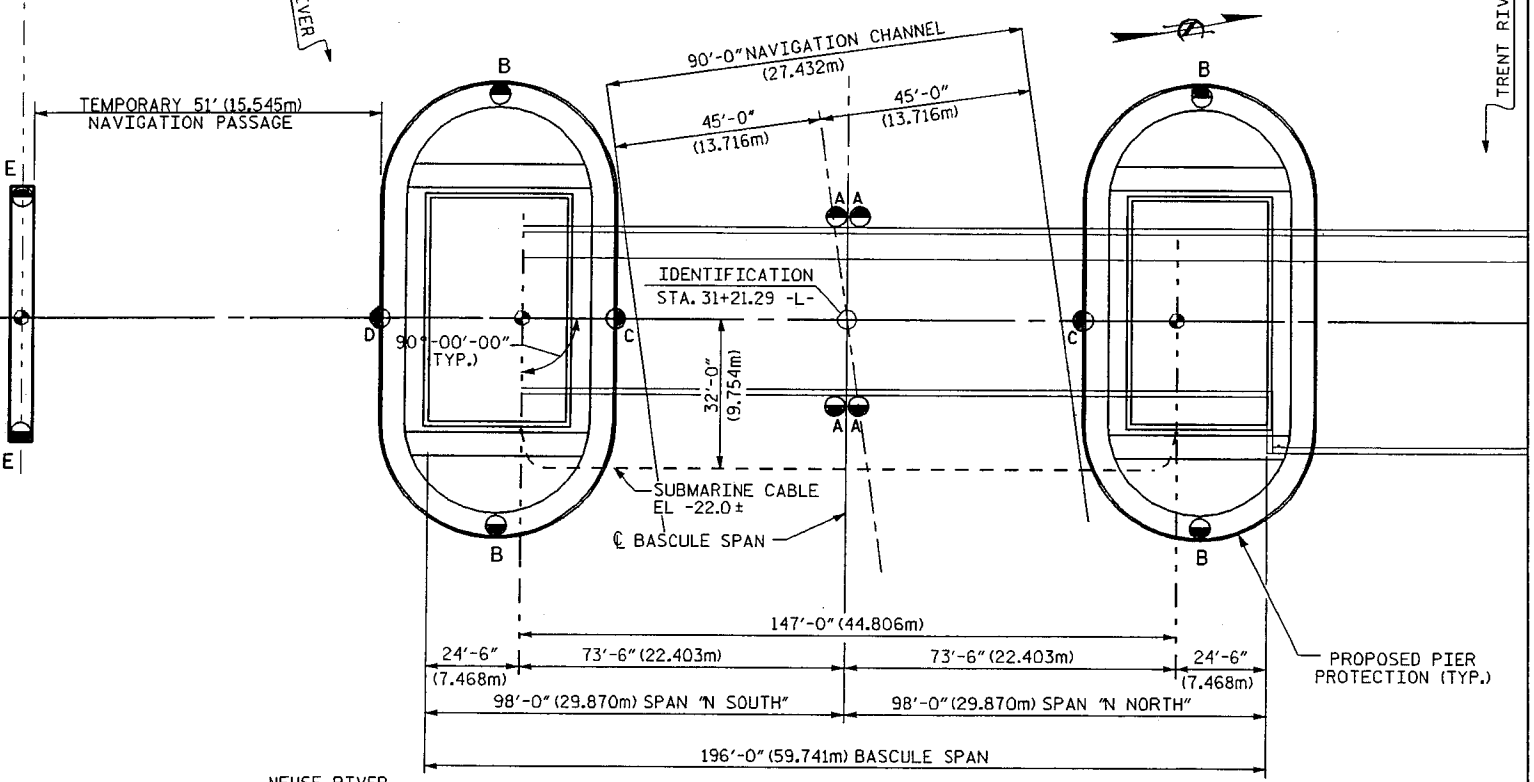
NOTE: ELEVATIONS ARE IN FEET.

13 SPANS FOR  
1202'-6 1/2" (366.535m)  
SOUTH APPROACH SPANS

5 SPANS FOR  
363'-9 1/2" (110.884m)  
NORTH APPROACH SPANS



ELEVATION



PLAN

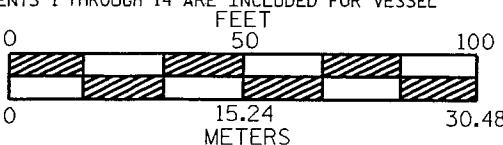
SHEET 4 OF 5

REVISED 7-13-06



- A LIFT SPAN 180° GREEN WHEN LIFT SPAN IS FULLY OPEN FOR NAVIGATION, 180° RED FOR ALL OTHER POSITIONS OF LIFT SPAN
- B PIER 180° RED LIGHT
- C AXIS 180° RED LIGHT
- D TEMPORARY AXIS 180° RED LIGHT
- E TEMPORARY PIER 180° RED LIGHT

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH AASHTO'S "GUIDE SPECIFICATION AND COMMENTARY FOR VESSEL COLLISION DESIGN OF HIGHWAY BRIDGES", USING CRITICAL IMPORTANCE CLASSIFICATION, METHOD II CRITERIA. BENTS 1 THROUGH 14 ARE INCLUDED FOR VESSEL IMPACT CONSIDERATION.



F.A. PROJECT: BRSTP-070B(4)  
 STATE PROJECT: B-2532

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION  
 RALEIGH

ALFRED CUNNINGHAM BRIDGE REPLACEMENT  
 ON US 70 BUSINESS OVER TRENT RIVER  
 BETWEEN US 70 BYPASS AND US 17

CRAVEN COUNTY

TRENT RIVER (MILE POINT 0.0)

DRAWN BY : H. A. LUCAS

DATE : 03-06

CHECKED BY : *F. Sevin*

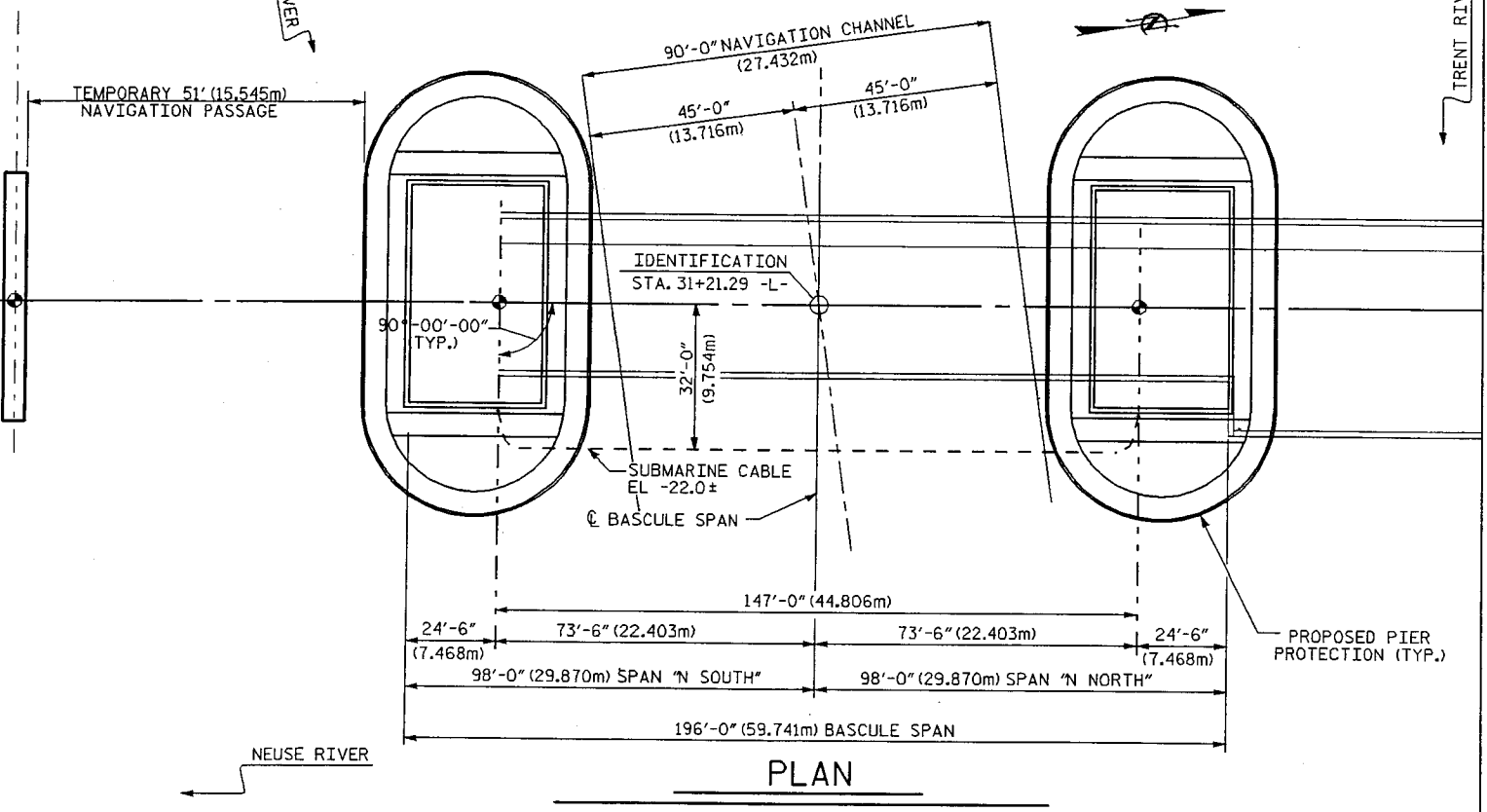
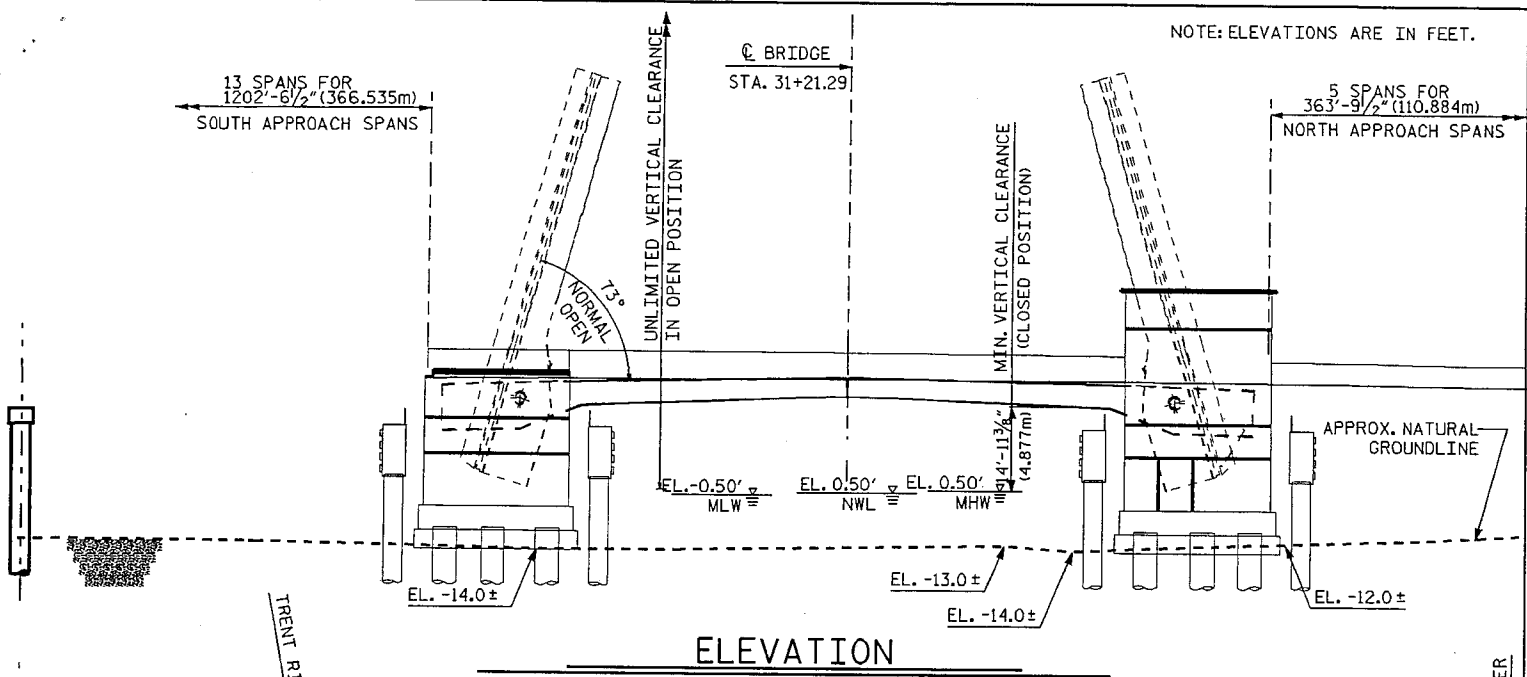
DATE : 7-14-06

NOTE: ELEVATIONS ARE IN FEET.

13 SPANS FOR  
1202'-6 1/2" (366.535m)  
SOUTH APPROACH SPANS

CL BRIDGE  
STA. 31+21.29

5 SPANS FOR  
363'-9 1/2" (110.884m)  
NORTH APPROACH SPANS



SHEET 5 OF 5

REVISED 7-13-06

STATE OF NORTH CAROLINA

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ALFRED CUNNINGHAM BRIDGE REPLACEMENT  
ON US 70 BUSINESS OVER TRENT RIVER  
BETWEEN US 70 BYPASS AND US 17

CRAVEN COUNTY

TRENT RIVER (MILE POINT 0.0)

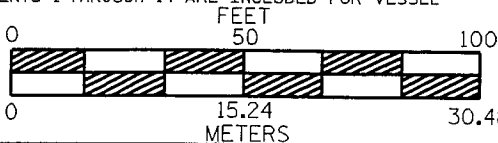
DRAWN BY : H. A. LUCAS

DATE : 03-06

CHECKED BY : *Blavin*

DATE : *7-14-06*

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STATE PROJECT: B-2532