U.S. Department of Homeland Security
United States Coast Guard

Commander
Eighth Coast Guard District
Hale Boggs Federal Building

500 Poydras St., Rm. 1313
New Orleans, LA 70130-3310
Staff Symbol: (dpb)
Phone: (504 ) 671-2128

# BRIDGE PROJECT QUESTIONNAIRE

Please provide the following information:

A. NAVIGATION DATA:

1. Name of Waterway: Blackwater River – The portion of the the river the proposed bridge is located over is Northeast of Milton, approx. 1.79 miles northwest of Intersect of SR 87/US 90.

1a. Mileage along waterway measured from mouth or confluence: +/- 11.0 miles N.E.

1b. Tributary of: Blackwater Bay, Gulf of Mexico

2. Geographic Location: SR 87/US 90 Connector(proposed) Milton, Santa Rosa, FL
(Road Number, City, County, State)

3. Township, section and range, if applicable: 02N27W30 AND 02N27W19

4. Tidally influenced at proposed bridge site? Yes __X__ No _____ _
Range of tide: 1.2' average
Tidal data source: NOAA

5. Depth and width of waterway at proposed bridge site:
(Approximated from survey and NOAA info.)

| | Depths | Widths |
|---|---|---|
| At Mean High Tide | approx 13.4' | approx 160' |
| At Mean Low Tide | approx 12.2' | approx 160' |

6. Character of present vessel traffic on waterway. If none, so state: None ___
Canoe yes Rowboat yes Small Motorboat yes Cabin Cruiser No .
Houseboat No Pontoon Boat No Sailboat no
In several visits to the site, no boats have been seen using the waterway in the location of the bridge. Conversations with local experts were used to determine the types of boats that may be in this location. Notes are attached.

6a. Provide vertical clearance requirement for largest vessel using the waterway:
12'-0" min. per FDOT PPM 2.10.1

6b. Provide photograph of each type of vessel using the waterway.
Photographs of typical boats have been attached

7. Are these waters used to transport interstate or foreign commerce?
Yes _____ No ____X___ .

7a. Are these waters susceptible to use in their natural condition or by reasonable improvement as a means to support interstate or foreign commerce?

Yes _____ No ___X__ .

7b. Any planned waterway improvements to permit larger vessels to navigate (to your knowledge)? __NO_____ If so, what are they? _____

8. Any natural or manmade obstructions, bridges, dams, weirs, etc. downstream or upstream? Yes ___X___ No _____ .

8a. If yes, provide upstream/downstream location with relation to the proposed bridge. US90 over Blackwater (580098) approx. 4.3 miles downstream
Deaton Bridge Rd over Blackwater (584178) approx 10 miles upstream

8b. If bridges are located upstream or downstream, provide vertical clearance at mean high water and mean low water and horizontal clearance normal to the axis of the channel. US90 over Blackwater (580098): 16.2' MVC @ MHW. 71' MHC at center span.
Deaton Bridge Rd over Blackwater (584178): 8' MVC, 6.5 to 7' MHC

8c. Provide a photograph of the bridge from the waterway showing channel spans. Attached.

9. Will the structure replace an existing bridge? Yes _____ No ____X__ .

9a. Provide permit number and issuing agencies of permits for bridge(s) to be replaced. **N/A**

9b. Provide vertical clearance at mean high water and mean low water and horizontal clearance normal to the axis of the channel for the proposed bridge.
MVC = 12' Min. @ MHW, 13.2' min @ MLW MHC = 125'

10. List names and addresses of persons whose property adjoins bridge right-of-way.
OwnerName OWEN WILLIAM P & BETTE L, 6399 Malibu Ave, Milton, FL 32583
OwnerName MATHEWS CHARLES A, 6275 Warbler Ln, Milton, FL 32570

11. List names and addresses/location of marinas, marine repair facilities, public boat ramps, private piers/docks along the waterway within ½ mile of the bridge site.
There are no major marinas in the vicinity of the bridge site. The nearest public boat ramp is over ½ mile away at Whiting Park on Old River Road

12. Attach location map and plans for the proposed bridge; including vertical clearances above mean high water and mean low water and horizontal clearance normal to axis of the waterway. Design is pending. Conceptual drawings have been included for reference.

13. Attach three (3) photographs taken at the proposed bridge site: one looking upstream, one looking downstream, and one looking along the alignment centerline across the bridge site. 3 Photographs are attached

Name of applicant: _____Robert Alonso

Name of agent completing questionnaire: _ Robert Alonso

Name of agent's firm: _____Finley Engineering Group, Inc.

Agent's telephone number: _____850-894-1600

Address for correspondence: 1589 Metropolitan Blvd. Tallahassee, FL 32308

Applicant's telephone number: _____850-894-1600

Date: 12/20/11 Signature: _____

**PLEASE NOTE: MISSING INFORMATION AND REQUIRED SIGNATURES WILL DELAY PROCESSING**

Attachments: Location Map
NOAA Tidal Information
Bridge Concept Plans
Photographs

| Project | Project No. | Designed | Date | Sheet |
|---|---|---|---|---|
| SR87 | | RA | 2/12 | |
| **Subject** | | **Checked** | **Date** | **Of** |
| PHONE LOG | | | | |

BLACKWATER RIVER STATE PARK

"MARSHALL" 850-983-5363

- ONLY KAYAKS, CANOES UP NORTH
- SOUTH - MAX BOAT LENGTH 16'-20'
- AVERAGE DEPTH OF 2' @ THIS PARK NEAR DEATON'S BRIDGE
- CALL WHITING PARK FOR MORE INFO
  - THEY RENT BOATS.

| Project | Project No. | Designed | Date | Sheet |
|---|---|---|---|---|
| SR87 | | RA | 2/12 | |
| **Subject** | | **Checked** | **Date** | **Of** |
| PHONE LOGS | | | | |

WHITING PARK 850-623-2383

"JAMES BARNS" - BOAT MECHANIC

- THEY RENT BOATS HERE
- THEY DO NOT LET THEIR BOATS PASS 1ST SET OF POWER LINES (NEAR COOPER BASIN) BECAUSE IT'S TOO SHALLOW
- HE HAS CANOED RIVER MANY TIMES ONLY SEES CANOES, KAYAKS, SMALL PONTOON
- @ LOCATION OF NEW BRIDGE, NO PONTOONS
  - CANOES, KAYAKS, JON BOATS, JET SKIS
- ESTIMATES ± 8' MAX BOAT HEIGHT (COVER) NORTH OF US 90.
- WHEN FWC COMES THEY STOP @ RAILROAD BRIDGE.
- CLEARANCE LIMITED @ RAILROAD
  - ONLY OPENS FOR BIGGER BOAT
- SOMETIMES FWC SWAPS BOATS + USES JON BOAT

| Project | Project No. | Designed | Date | Sheet |
|---|---|---|---|---|
| SR 87 | | RA | 2/12 | |
| **Subject** | | **Checked** | **Date** | **Of** |
| PHONE LOGS | | | | |

MARQUIS BAYOU MARINA 850-266-7728

"RAY YANG"

- SEES ± DOZEN BOATS/DAY

SOUTH OF I-10:

- CABIN CRUISER
- SEA RAYS
- 40' CLEAR @ I-10
- MUCH LOWER @ US90

NORTH OF 90:

- SMALL BOATS
- RECREATIONAL ONLY - LIMITED BY 90 BRIDGE

UP TO 50' LENGTH @ HIS MARINA,
BUT NOT NORTH OF US90

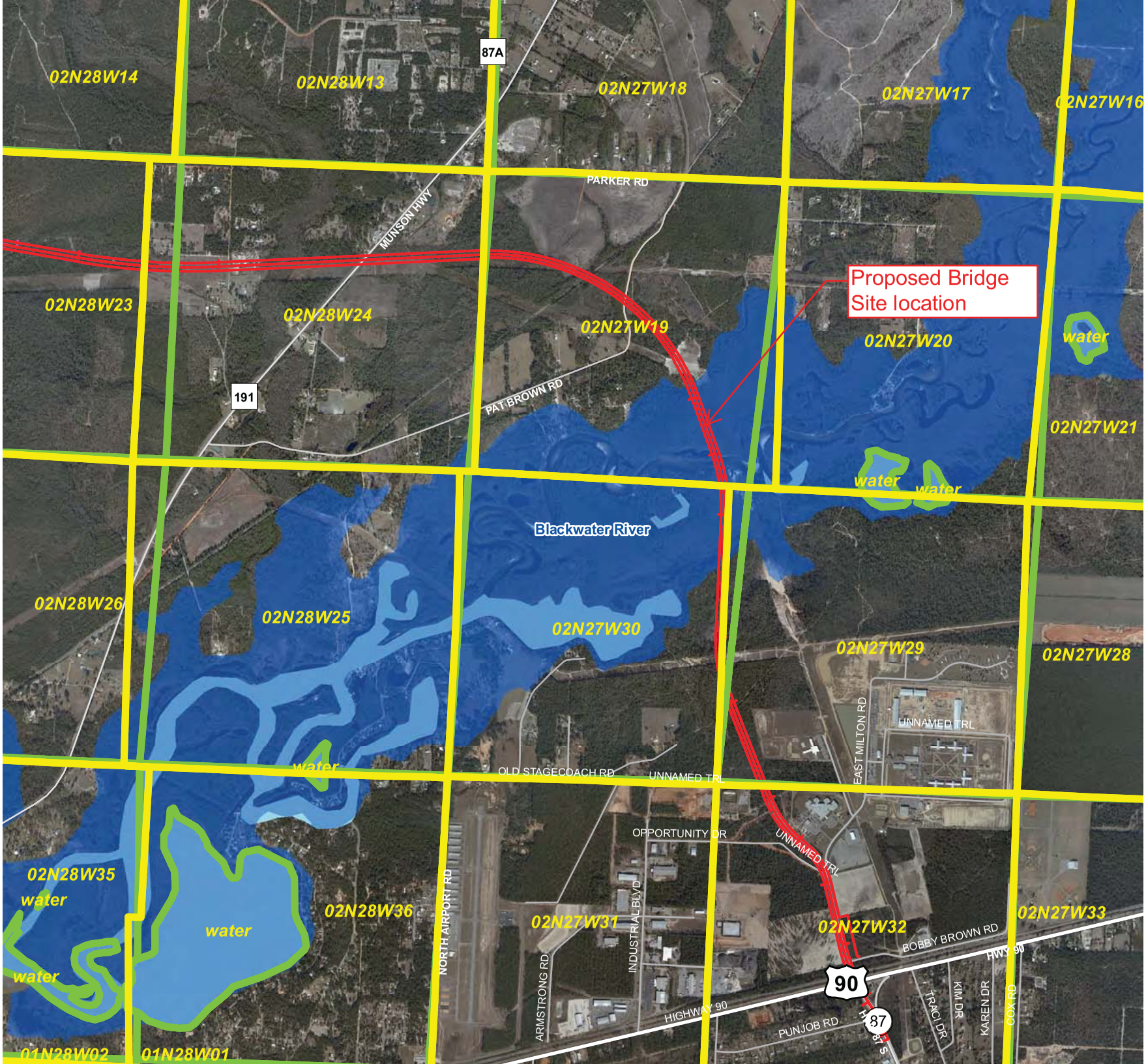
Project Site
1st Set of Power Lines
US90 Bridge
Railroad Bridge
Big Eddy
Clear Basin
Half Moon Lake
Cooper Basin
Santa Rosa County School Board: King Middle School
Stewart St
Co Rd 191
Blackwater Heritage Trail State Park
Munson Hwy
Santa Rosa County Library System Administration Center
Milton
Whiting Park
Peter Prince Field
Sheriff's Dept
Santa Rosa Correctional Institution
Marquis Basin
Magnolia Cemetery
S Airport Rd
87
90

Pontoon boats are often on the river, however their access is limited by the water depth several miles downstream near the power lines at Cooper Basin. Pontoons can not access the river near the bridge site.

Kayaks and Canoes are the typical boat seen in the proposed bridge location

Kayaks and Canoes are the typical boat seen in the proposed bridge location

Small Motor boats are often seen on the river near the bridge at US90, however their access is limited by the water depth near the power lines at Cooper Basin. They can not access the river near the bridge site.


02N28W14
02N28W13
87A
02N27W18
02N27W17
02N27W16
PARKER RD
MUNSON HWY
02N28W23
02N28W24
02N27W19
Proposed Bridge Site location
02N27W20
water
191
PAT BROWN RD
02N27W21
water
water
Blackwater River
02N28W26
02N28W25
02N27W30
02N27W29
02N27W28
EAST MILTON RD
UNNAMED TRL
water
OLD STAGECOACH RD
UNNAMED TRL
OPPORTUNITY DR
UNNAMED TRL
02N28W35
water
water
water
02N28W36
NORTH AIRPORT RD
02N27W31
INDUSTRIAL BLVD
02N27W32
BOBBY BROWN RD
HWY 90
02N27W33
90
ARMSTRONG RD
HIGHWAY 90
PUNJOB RD
87
TRACI DR
KIM DR
KAREN DR
COX RD
01N28W02
01N28W01

## Pensacola, FL

**Station ID: 8729840**

Pensacola, FL: Data Inventory

Page Help

## Datums

Click HERE for printable version

**Data Units:** ◉ Feet ○ Meters Apply Change

Nov 28 2011 21:00 GMT ELEVATIONS ON STATION DATUM
National Ocean Service (NOAA)

Station: 8729840
Name: Pensacola, FL
Status: Accepted (Apr 15 2004)

T.M.: 0 W
Units: Feet
Epoch: 1983-2001
Datum: STND

| Datum | Value | Description |
|---|---|---|
| MHHW | 9.69 | Mean Higher-High Water |
| MHW | 9.66 | Mean High Water |
| MTL | 9.06 | Mean Tide Level |
| DTL | 9.06 | Mean Diurnal Tide Level |
| MSL | 9.05 | Mean Sea Level |
| NAVD88 | 8.75 | North American Vertical Datum of 1988 |
| MLW | 8.46 | Mean Low Water |
| MLLW | 8.43 | Mean Lower-Low Water |
| STND | 0.00 | Station Datum |
| GT | 1.26 | Great Diurnal Range |
| MN | 1.20 | Mean Range of Tide |
| DHQ | 0.03 | Mean Diurnal High Water Inequality |
| DLQ | 0.03 | Mean Diurnal Low Water Inequality |
| Maximum | 17.10 | Highest Observed Water Level |
| Max Date | 19260918 | Highest Observed Water Level Date |
| Max Time | 12:00 | Highest Observed Water Level Time |
| Minimum | 6.00 | Lowest Observed Water Level |
| Min Date | 19240106 | Lowest Observed Water Level Date |
| Min Time | 09:36 | Lowest Observed Water Level Time |
| HAT | 10.61 | Highest Astronomical Tide |
| HAT Date | 19870808 | Highest Astronomical Tide Date |
| HAT Time | 15:42 | Highest Astronomical Tide Time |
| LAT | 7.26 | Lowest Astronomical Tide |
| LAT Date | 19880118 | Lowest Astronomical Tide Date |
| LAT Time | 14:42 | Lowest Astronomical Tide Time |

Tidal Datum Analysis Period: 01/01/1983 - 12/31/2001

Click HERE for further station information including New Epoch products.

To refer Water Level Heights to
NAVD88 (North American Vertical Datum of 1988), apply the values located at:
National Geodetic Survey

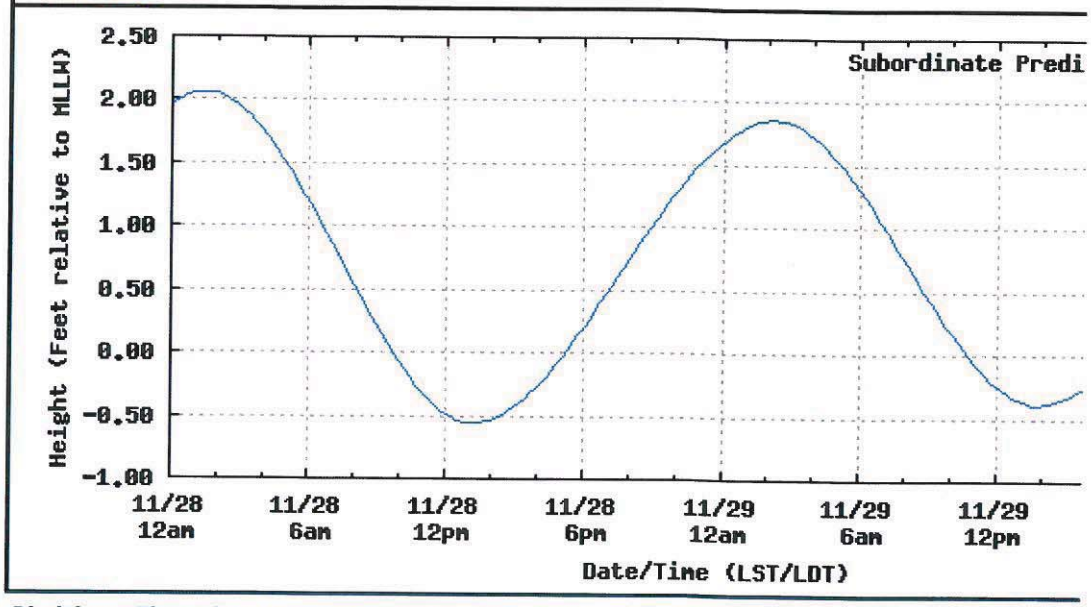
## Milton, Blackwater River, StationId: TEC4383

Referenced to Station: PENSACOLA ( 8729840 )
Height offset in feet ( low:*1.20 high: * 1.20) Time offset in mins ( low:107 high: 100)

Daily Tide Prediction in **Feet**
Time Zone: **LST/LDT**
Datum: **MLLW**

2011/11/28 - 2011/11/29

Bacl




**Disclaimer: These data are based upon the latest information available as of the date of your request, published tide tables.**
**Note: For predictions of Subordinate stations, the solid blue line depicts a curve fit between the high a approximates the segments between.**

**Begin Date:** Nov 28 2011 | **Time Range:** Daily | **Time Zone:** LST/LDT | **Data Units:** Feet | Show Advanced Opti

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US 90 Over Blackwater River

# FLORIDA DEPARTMENT OF TRANSPORTATION
# BRIDGE MANAGEMENT SYSTEM
# STRUCTURE LEVEL INVENTORY REPORT

**Profile**

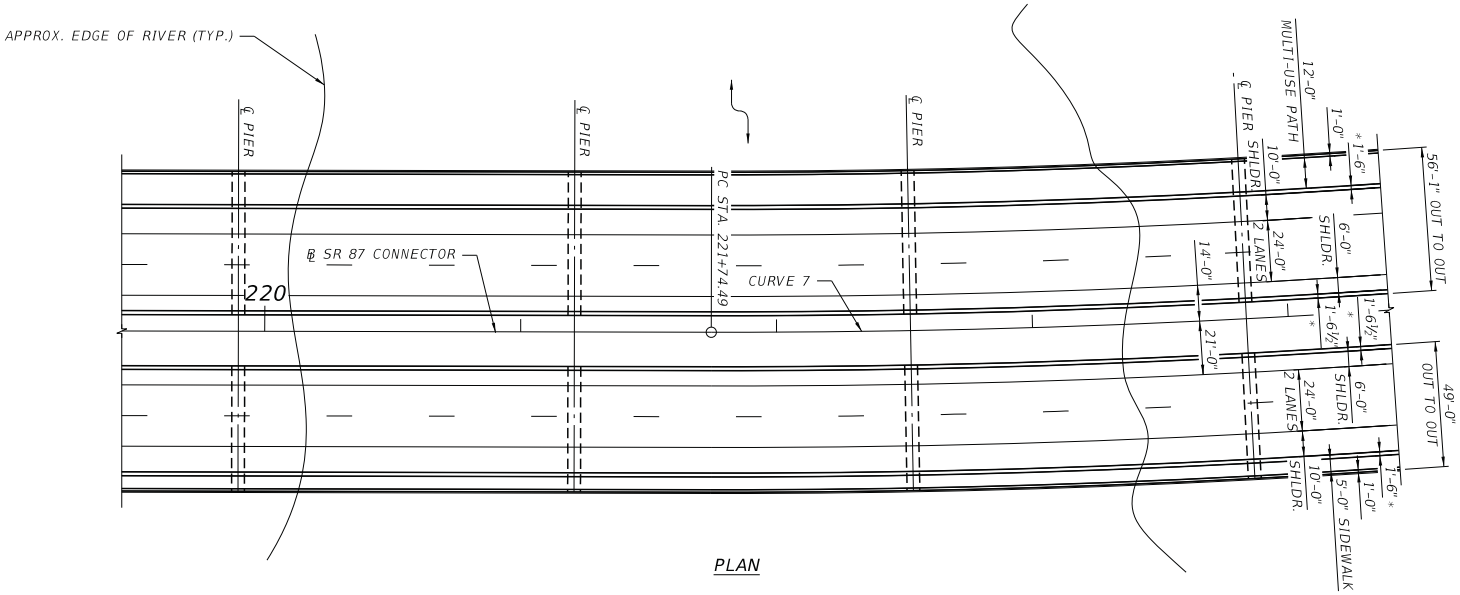
Inventory Date - 06/13/2011

This report contains information relating to the physical security of a structure and depictions of the structure. This information is confidential and exempt from public inspection pursuant to sections 119.071(3)(a) and 119.071(3)(b), Florida Statutes.

Blackwater River at approximate proposed Bridge Location
Looking East (Upstream)

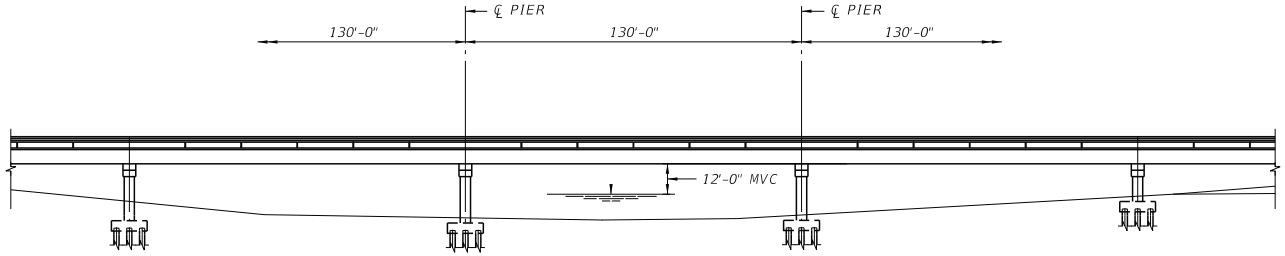
Blackwater River at approximate proposed Bridge Location
Looking Across River (looking approx Northeast)

Blackwater River at approximate proposed Bridge Location
Looking across river / downstream (Northwest)




PLAN

* 32" F SHAPE TRAFFIC RAILING BARRIER
FDOT INDEX NO. 420.
** PEDESTRIAN/BICYCLE RAILING FDOT INDEX NO. 820
WITH ALUMINUM BULLET POST "A" FDOT INDEX NO. 822.




ELEVATION

BRIDGE NO. 1

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | |

FINLEY Engineering Group, Inc.
1589 Metropolitan Blvd,
Tallahassee, FL. 32308
850-894-1600
Fax: 850-894-1614
Certificate Of Authorization No. 26199
www.FinleyEngineeringGroup.com

DRAWN BY: DAL
CHECKED BY:
DESIGNED BY: RAA
CHECKED BY:

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
|---|---|---|
| SR 87 | SANTA ROSA | 416748-3-22-01 |

SHEET TITLE: PARTIAL PLAN AND ELEVATION

PROJECT NAME: SR 87 CONNECTOR

REF. DWG. NO.

SHEET NO.

debra.lamay 12/20/2011 4:20:11 PM G:\SR87\CADD\41644832201\struct\B1PlanElev05Questionaire.DGN