



16591/FL  
June 13, 2016

## PUBLIC NOTICE (02-16)

All interested parties are notified that the Commander, Seventh Coast Guard District has received an application from the Florida Department of Transportation requesting approval of the location and plans for a proposed bridge replacement over a navigable waterway of the United States.

**WATERWAY AND LOCATION:** SW 1<sup>st</sup> Street Bridge, Miami River, mile 0.9, Miami, Dade County, Florida. (25° 46' 23" N, 80° 12' 02" W)

**CHARACTER OF WORK:** Replace the existing bascule bridge with a new bascule bridge which provides greater vertical clearance in the closed position and greater horizontal clearance between the bulkheads. The proposed bridge will be constructed on the existing alignment. The overall length of the new bridge will be 506 ft from abutment to abutment. The out to out width is approximately 56.6 ft consisting of three travel lanes, 11 ft in width, one 2.5 ft shoulder, one 5.5 ft shoulder and two 5.0 ft sidewalks.

### MINIMUM NAVIGATIONAL CLEARANCES:

#### **Existing**

##### Horizontal:

75 ft between fenders normal to the axis of the channel.

##### Vertical (at center of channel):

19.7 ft above Mean High Water

##### Vertical (at edge of channel):

14 ft above Mean High Water

##### Vertical (open position):

75 ft throughout the 75 ft navigational channel.

#### **Proposed**

##### Horizontal:

150 ft between bulkheads normal to the axis of the channel.

##### Vertical (at center of channel):

21.75 ft above Mean High Water

##### Vertical (at edge of channel):

16.7 ft above Mean High Water

##### Vertical (open position):

75 ft throughout the 150 ft navigational channel.

### ENVIRONMENTAL CONSIDERATIONS:

The Federal Highway Administration (FHWA), the lead federal agency, approved an Environmental Assessment (EA) November 2013 and signed a Finding of No Significant Impact on October 15, 2013 for the purposes of the National Environmental Policy Act. The documents are available for review at the above address, Monday through Friday, 7:30 a.m. to 4:00 p.m. The bridge is located in Special Flood Hazard Area Zone AE. The 100-year flood elevation is

+1.94 ft; low member elevation of the proposed bridge is 16.7ft; elevations are reference to NAVD 88 datum. The project will result in no impacts to wetlands. The South Florida Water Management District (SFWMD) is the certifying agency, as defined in 40 CFR § 121.1(e), for issuance of Water Quality Certification (WQC) pursuant to Section 401, Public Law 92-500, 33 U.S.C. Section 1341. The SFWMD Environmental Resource Standard General Permit (ERP) was applied for on 1 June 2016. The USACE is reviewing the application for a nationwide permit. 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. FHWA and SHPO have determined that the proposed project will have an adverse effect on the SW 1st Street Bridge, a bridge eligible for listing in the National Register of Historic Places (National Register) and the National Register-listed South River Drive Historic District. A Memorandum of Agreement (MOA) was approved on August 19, 2013, stating the execution of the MOA is evidence that FHWA has satisfied requirements of Section 106 of the National Historic Preservation Act. 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 include dates and durations of full and partial channel blockage will be disseminated to mariners via the Coast Guard's Local Notice to Mariners (LNM).

#### **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.

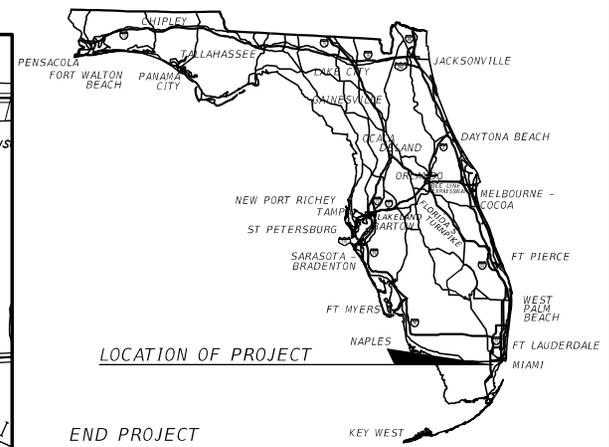
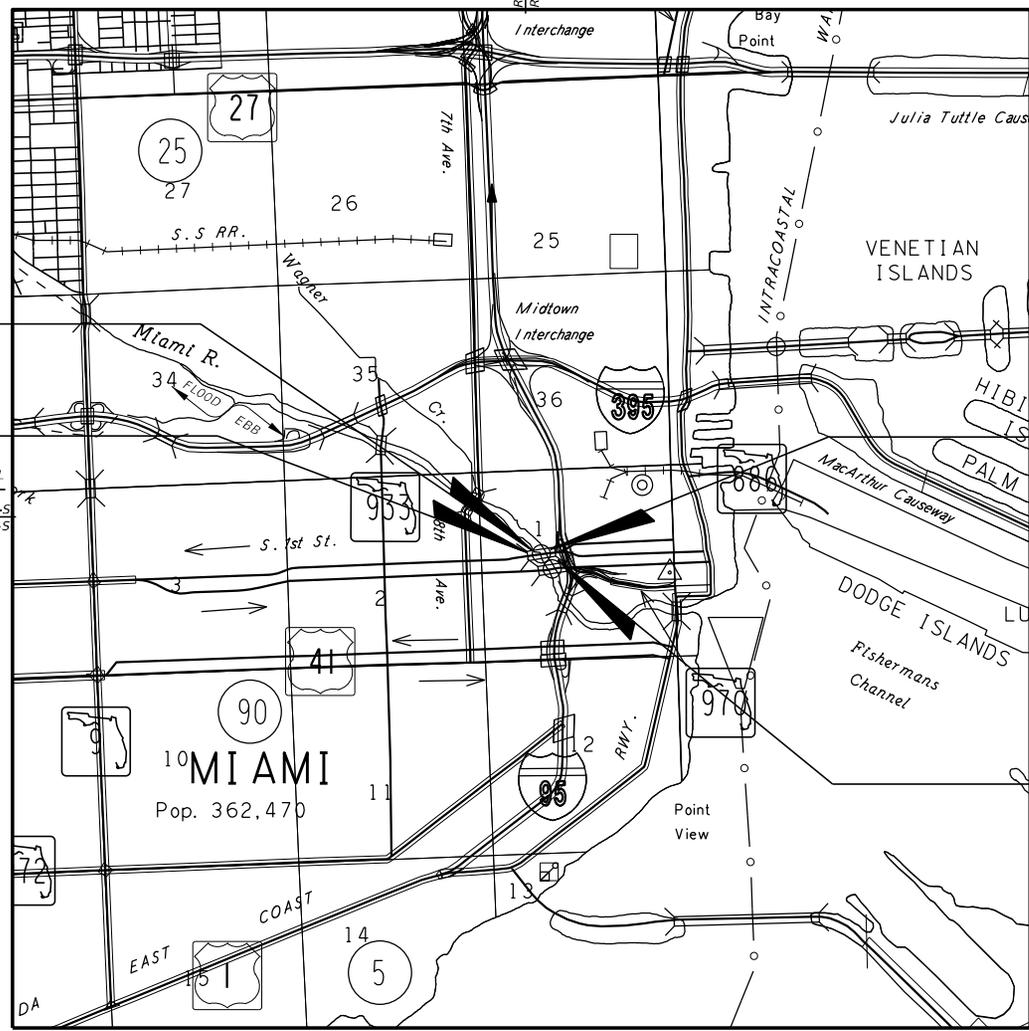
TO FORT LAUDERDALE

BEGIN BRIDGE  
 @ CONST. SR 968  
 STA. 1107+51.93  
 M.P. 2.117

BEGIN PROJECT  
 @ CONST. SR 968  
 STA. 1098+88.97  
 M.P. 1.953

TO DORAL  
 T-53-S  
 T-54-S

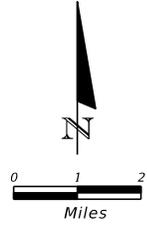
TO HOMESTEAD



END PROJECT  
 @ CONST. SR 968  
 STA. 400+40.00  
 M.P. 2.351

TO MIAMI BEACH  
 T-53-S  
 T-54-S

END BRIDGE  
 @ CONST. SR 968  
 STA. 1112+58.09  
 M.P. 2.212



STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

HARDESTY & HANOVER, LLC  
 CONSULTING ENGINEERS  
 SUNRISE, FLORIDA

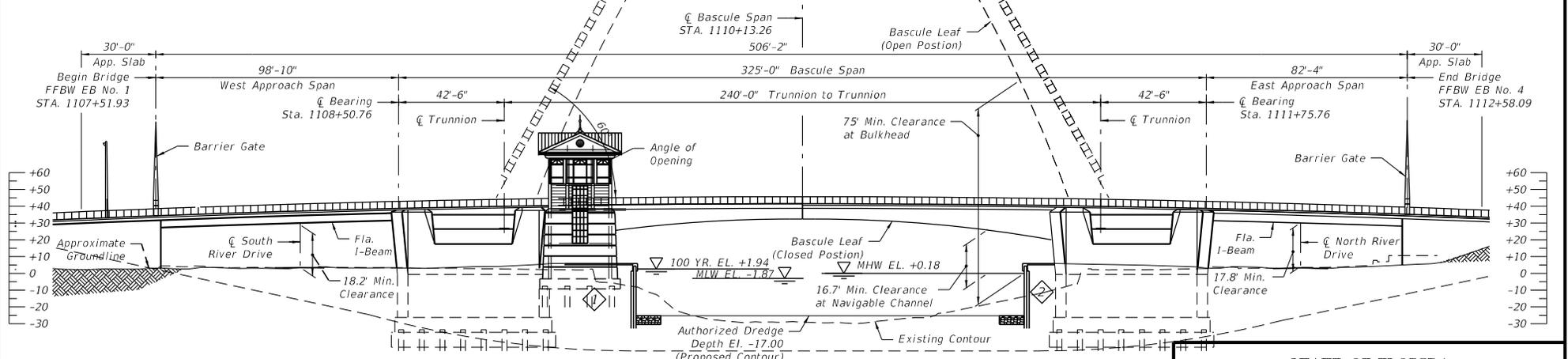
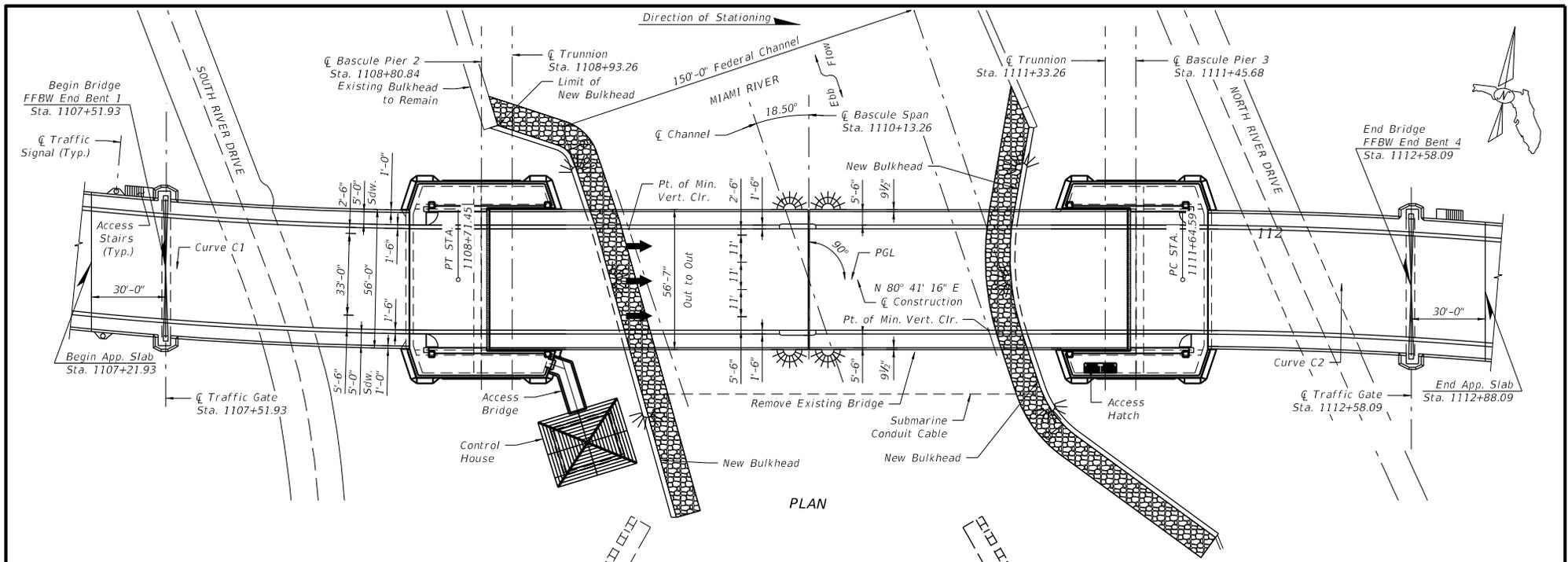
ROAD NO.	MILE POINT	COUNTY	STATE
SR-968	2.114	MIAMI-DADE	FLORIDA

SW 1 ST BASCULE BRIDGE  
 OVER THE MIAMI RIVER

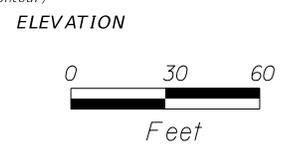
DATE  
 12/08/15

VICINITY MAP

SHEET NO.  
 1 OF 5



LOCATION	DESCRIPTION	DREDGE QUANTITY	FILL QUANTITY
①	Bascule Pier With 24" SQ. Piles on Piers below MHW	1,475 CY	1,653 CY
②	Bascule Pier With 24" SQ. Piles on Piers below MHW	3,585 CY	642 CY
Total		5,060 CY	2,295 CY



NOTES:  
1. Vertical Datum NAVD 1988.

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**HARDESTY & HANOVER, LLC**  
CONSULTING ENGINEERS  
SUNRISE, FLORIDA

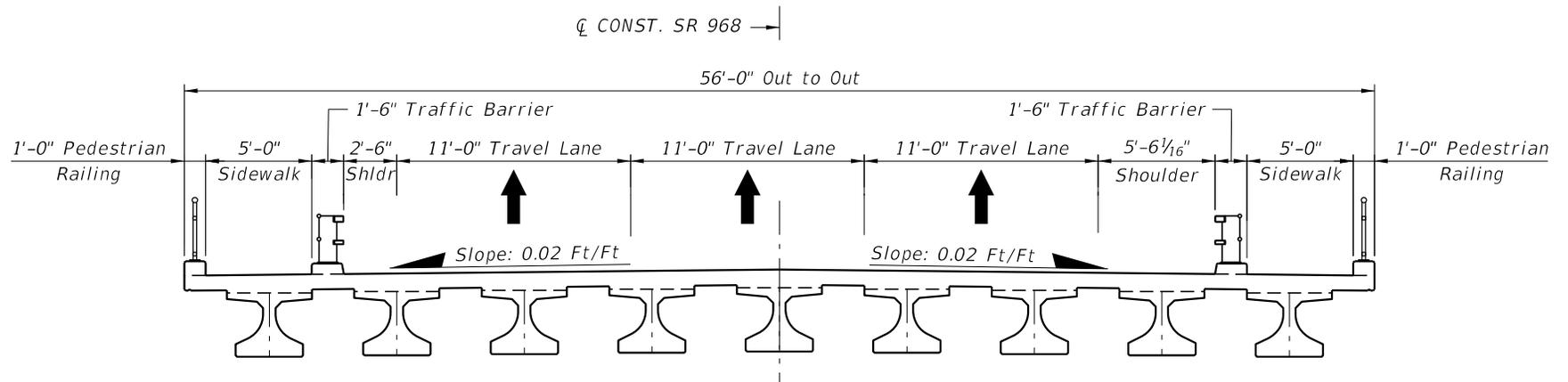
ROAD NO.	MILE POINT	COUNTY	STATE
SR-968	2.114	MIAMI-DADE	FLORIDA

**SW 1 ST BASCULE BRIDGE  
OVER THE MIAMI RIVER**

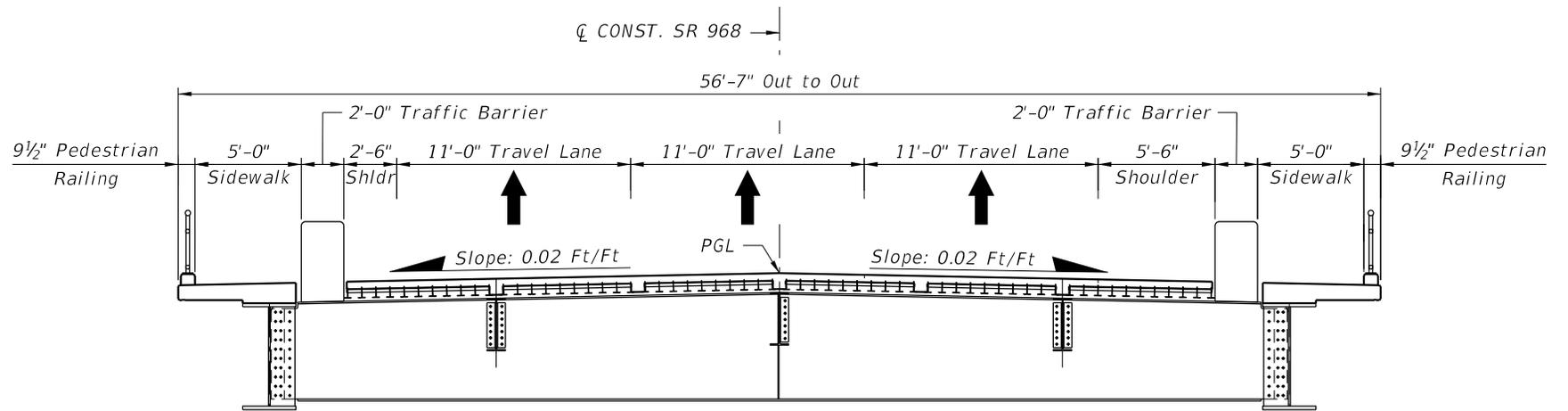
DATE  
**12/08/15**

PLAN AND ELEVATION

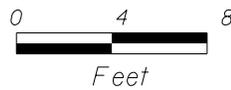
SHEET NO.  
**2 OF 5**



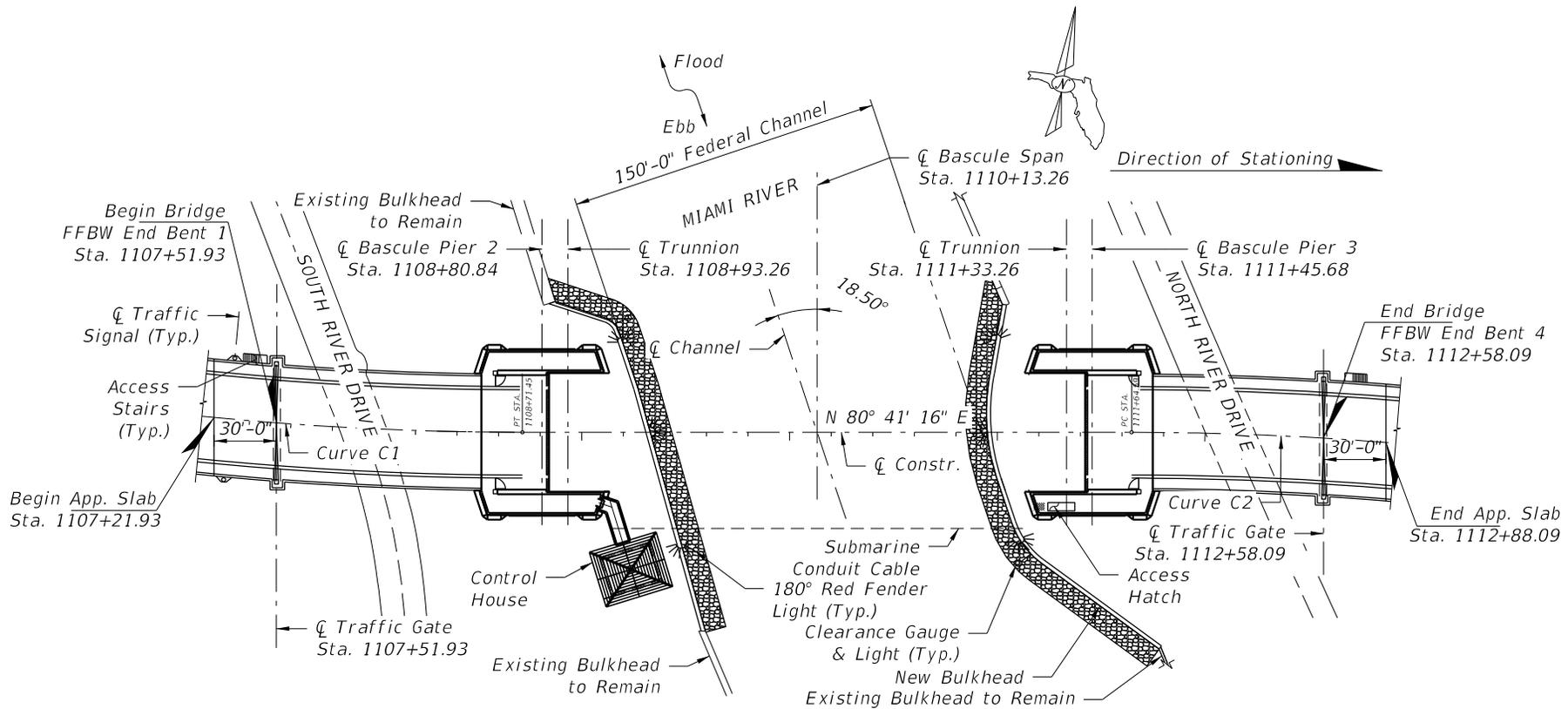
TYPICAL SECTION APPROACH SPAN



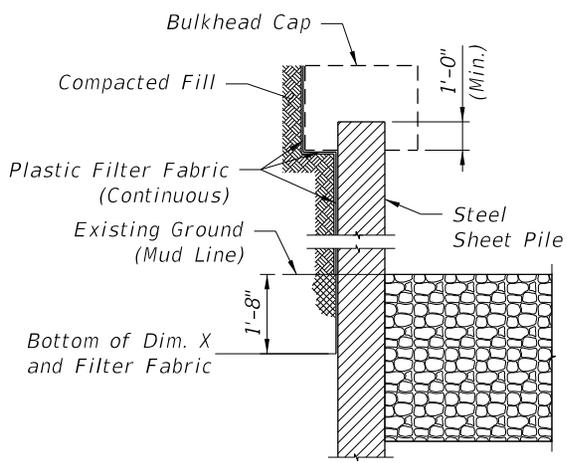
TYPICAL SECTION BASCULE SPAN



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ROAD NO.	MILE POINT	COUNTY	STATE
SR-968	2.114	MIAMI-DADE	FLORIDA
SW 1 ST BASCULE BRIDGE OVER THE MIAMI RIVER			
DATE	TYPICAL SECTIONS		SHEET NO.
12/08/15			3 OF 5



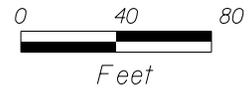
**BULKHEAD PLAN**



**SECTION THRU BULKHEAD**

**LEGEND**

- 180 Degree Red Navigation Light (Bulkhead)
- Clearance Gauge Light

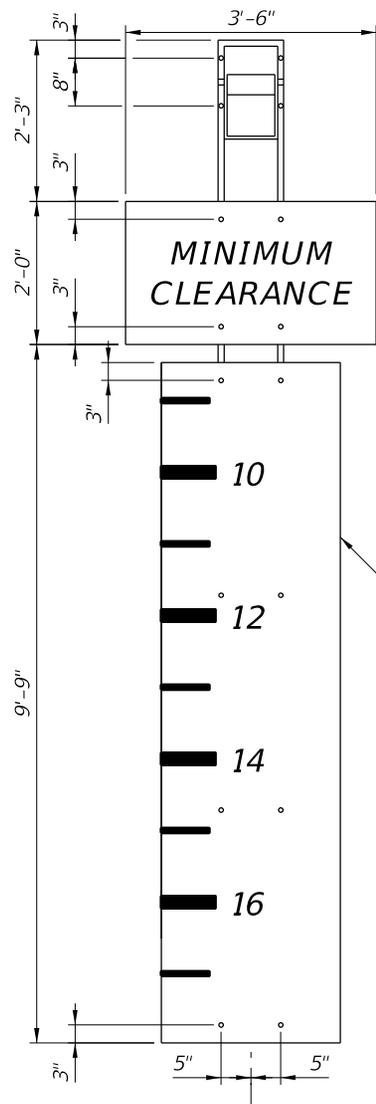


**NOTES:**

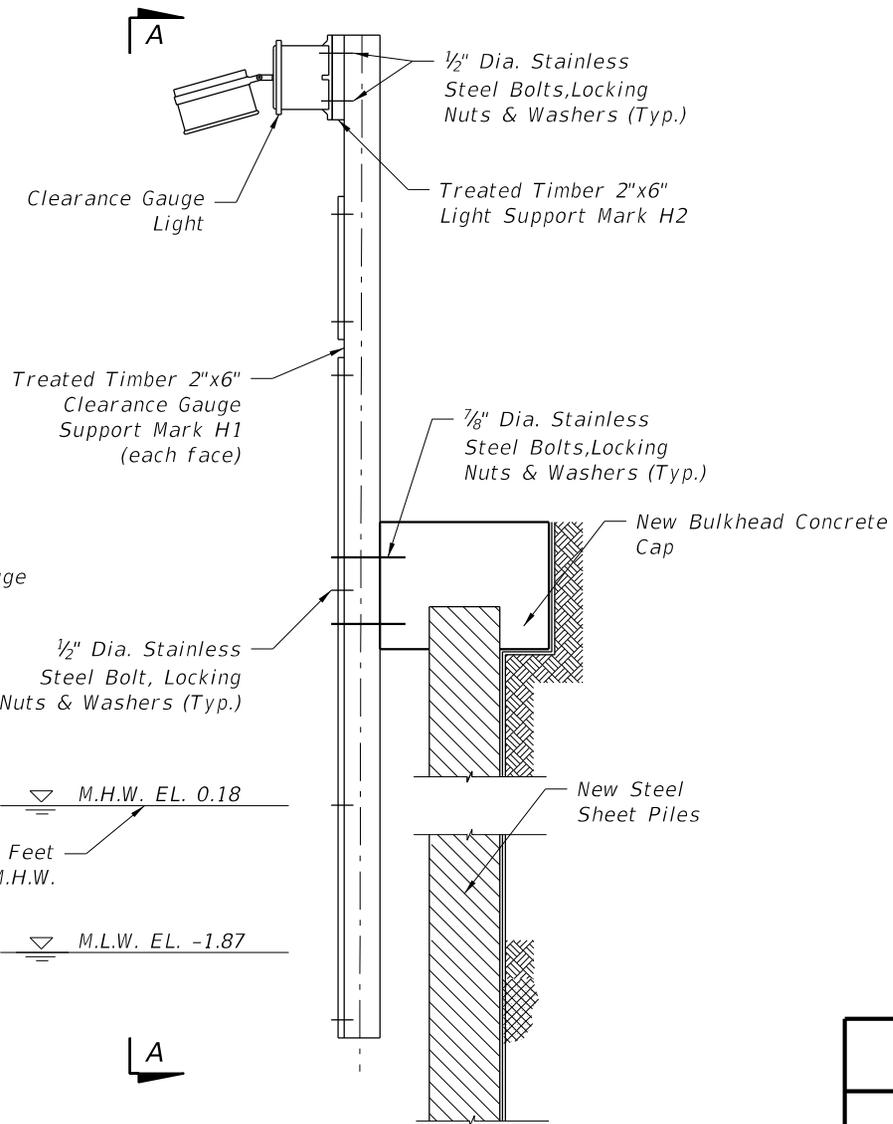
1. Vertical Datum NAVD 1988.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
HARDESTY & HANOVER, LLC CONSULTING ENGINEERS SUNRISE, FLORIDA			
ROAD NO. SR-968	MILE POINT 2.114	COUNTY MIAMI-DADE	STATE FLORIDA
SW 1 ST BASCULE BRIDGE OVER THE MIAMI RIVER			
BULKHEAD PLAN			SHEET NO. 4 OF 5

DATE 12/08/15
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VIEW A-A



CLEARANCE GAUGE & LIGHT

NOTES:

1. Vertical Datum NAVD 1988.

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HARDESTY & HANOVER, LLC CONSULTING ENGINEERS SUNRISE, FLORIDA			
ROAD NO.	MILE POINT	COUNTY	STATE
SR-968	2.114	MIAMI-DADE	FLORIDA
SW 1 ST BASCULE BRIDGE OVER THE MIAMI RIVER			

DATE  
12/08/15

DETAILS OF CLEARANCE GAUGE

SHEET NO.  
5 OF 5