



June 1, 2015

### PUBLIC NOTICE (07-15)

All interested parties are notified that Commander, Seventh Coast Guard District has received an application dated May 5, 2015 from AECOM, on behalf of Florida Department of Transportation (FDOT), requesting approval of location and plans for the replacement of a bascule bridge and addition of a temporary lift bridge over a navigable waterway of the United States.

**WATERWAY AND LOCATION:** Atlantic Intracoastal Waterway (AICW), (Lake Worth Lagoon), mile 1024.7 on State Road 80 ( SR 80 - Southern Boulevard Bridge) between the City of West Palm Beach and the Town of Palm Beach, Palm Beach County, Florida, Latitude 26°40'32.50"N, Longitude 80°02'49.61"W.

**CHARACTER OF WORK:** The project involves the replacement of the existing double leaf Southern Boulevard Bascule Bridge and the construction of a temporary lift bridge across the AICW (Lake Worth Lagoon). The bascule bridge across the AICW will be replaced with a wider double leaf bascule bridge. The overall length of the proposed bascule bridge will be 948 ft with an out-to-out width of 61 ft. The bridge will provide 12 ft travel lanes in each direction with 10 ft outside shoulders, which can be used as bicycle lanes, and 6 ft sidewalks provided on both sides of the corridor.

FDOT determined the use of a temporary lift bridge is necessary during the replacement project. The temporary lift bridge will align north of the existing bridge and remain in place for approximately 2 years. The overall length of the temporary lift bridge will be 1,051 ft with an out-to-out of 42 ft. The temporary lift bridge will provide 12 ft travel lanes in each direction with 2.5-3.5 ft outside shoulder, and a 5 ft sidewalk. The temporary lift bridge will be constructed prior to demolition of the bascule bridge to maintain traffic mobility.

All parts of the existing to-be-replaced Southern Blvd Bridge across the Atlantic Intracoastal Waterway (Lake Worth Lagoon), mile 1024.7, not utilized in the new bridge shall be removed in its entirety within the 125 ft wide navigation channel, and 25 feet on either side of the channel. All other parts shall be removed down to 2 ft below the mudline and the waterway cleared to the satisfaction of the District Commander. All parts of the temporary lift bridge across the AICW will be removed in its entirety after the proposed bascule bridge is open for traffic.

**MINIMUM NAVIGATIONAL CLEARANCES:** *Vertical Clearance is unlimited in the OPEN position for the existing and proposed bascule bridges*

**Existing:**

Horizontal: 80 ft between fenders,  
normal to the axis of the channel.

Vertical: 14 ft at Mean High Water (MHW)  
in the closed position.

**Proposed:**

Horizontal: 125 ft between fenders,  
normal to the axis of the channel.

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

**Proposed Temporary Lift Bridge:**

Horizontal: 125 ft between fenders, normal to the axis of the channel, joining the existing bascule bridge which has a horizontal clearance of 80ft between the fenders.

Vertical: 14 ft at Mean High Water (MHW) in the closed position.  
65 ft at Mean High Water (MHW) in the open position.

**ENVIRONMENTAL CONSIDERATIONS:**

The Federal Highway Administration, 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 +9.2 ft; low member elevation of the proposed bascule bridge is 21.29 ft. The low member elevation of the temporary lift bridge is 14.29 ft. Elevations are reference to NAVD 88 datum.

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 South Florida Water Management District. No parklands, wildlife refuges, or historic properties will be affected by the project. 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. 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).

**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.

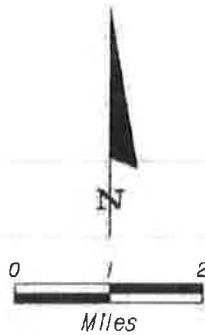
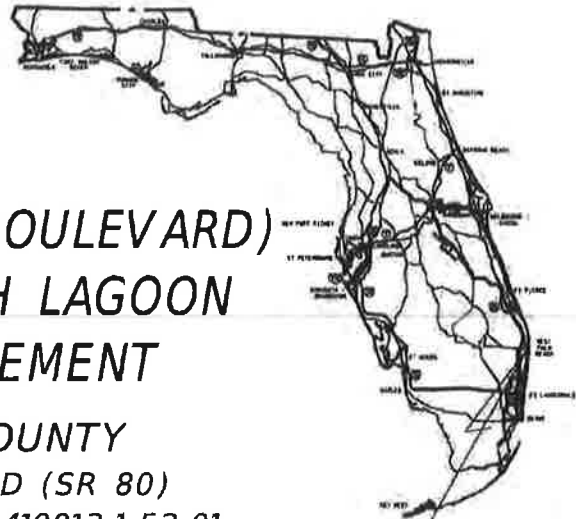
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"This is a web-searchable copy and is not the official, signed version; however, other than the signature being omitted, it is a duplicate of the official version."

# SR 80 (SOUTHERN BOULEVARD) OVER LAKE WORTH LAGOON BRIDGE REPLACEMENT

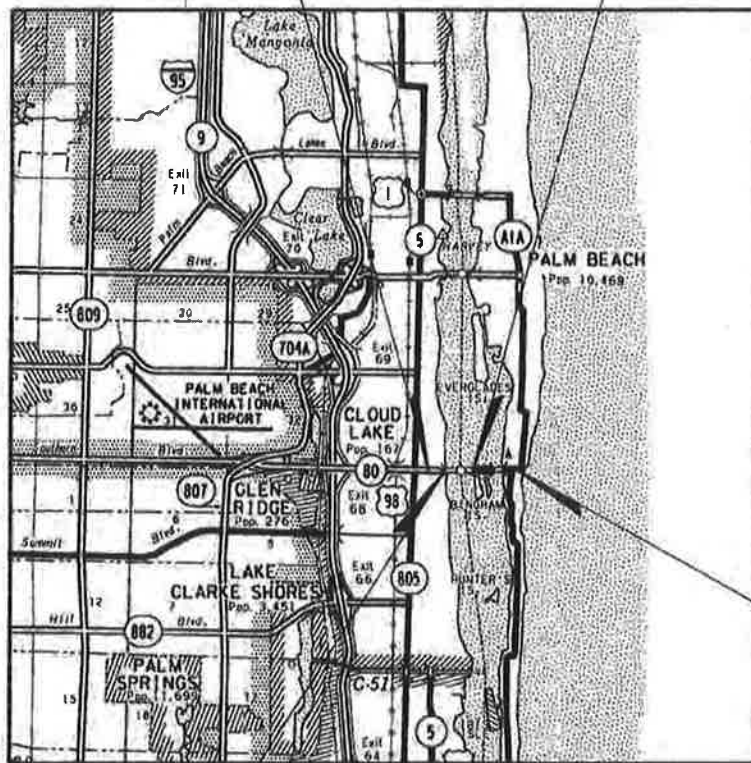
PALM BEACH COUNTY  
SOUTHERN BOULEVARD (SR 80)  
FINANCIAL PROJECT ID: 419013-1-52-01

PROJECT  
LOCATION



BEGIN PROJECT  
STA. 141+50.00  
M.P. 21.165

END BRIDGE  
STA. 157+71.01  
M.P. 21.472

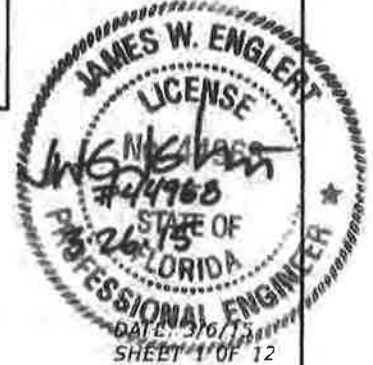


T-43-S  
T-44-S

END PROJECT  
STA. 181+46.00  
M.P. 21.922

BEGIN BRIDGE  
STA. 148+23.01  
M.P. 21.292

LOCATION MAP  
MAIN (BASCULE) BRIDGE



NOTE:  
PROPOSED BRIDGE NO. 93XXXX



LAKE WORTH LAGOON

Temp. Prop. S.S.L.E.



MATCH LINE - SEE SHEET 4 OF 12

Temp. Prop. S.S.L.E.

Channel

EBB FLOOD

Prop. S.S.L.E.

EI. -15.0

125'-0" Min. Horiz. Clr.

62'-6"

EI. -13.0

62'-6"

Prop. S.S.L.E.

Temp. Prop. S.S.L.E.

MATCH LINE - SEE SHEET 2 OF 12

Control House

Fender System

Submarine Cable

Exist. R/W Line

Exist. R/W Line

Q CONSTRUCTION (SR 80)

151

152

EI. -13.0

53

EI. -15.0

84°00'00"

154

155

Exist. R/W Line

Exist. R/W Line

Proposed Bridge Length - 948'-0"

Prop. S.S.L.E.

Prop. S.S.L.E.

EI. -19.0

Town of Palm Beach

City of West Palm Beach

PLAN

EI. -21.0

Prop. S.S.L.E.

S.S.L.E. denotes Sovereign Submerged Lands Easement



Feet

USCG PERMIT DRAWINGS

**MAIN (BASCULE) BRIDGE**

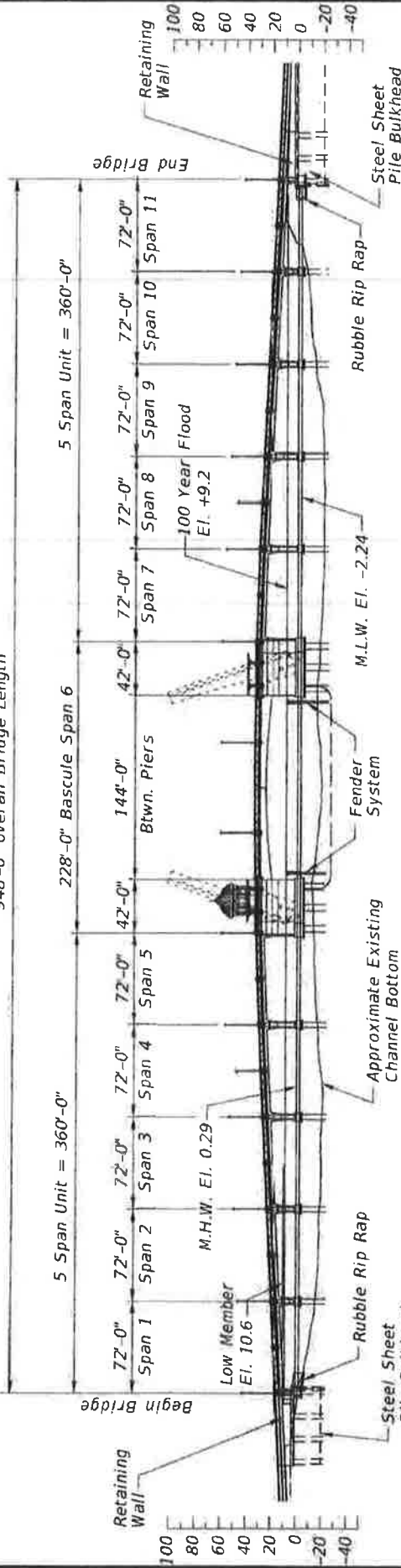
FLORIDA DEPARTMENT OF TRANSPORTATION  
 SR 80 (SOUTHERN BOULEVARD) OVER LAKE WORTH LAGOON (AICW) BETWEEN TOWN OF PALM BEACH AND CITY OF WEST PALM BEACH  
 PALM BEACH COUNTY, FLORIDA  
 MILE POINT 1024.7

URS CORPORATION SOUTHERN BOCA RATON, FLORIDA

3/6/15 PLAN (2 OF 3)

SHEET 3 OF 12

948'-0" Overall Bridge Length



ELEVATION



NOTES:

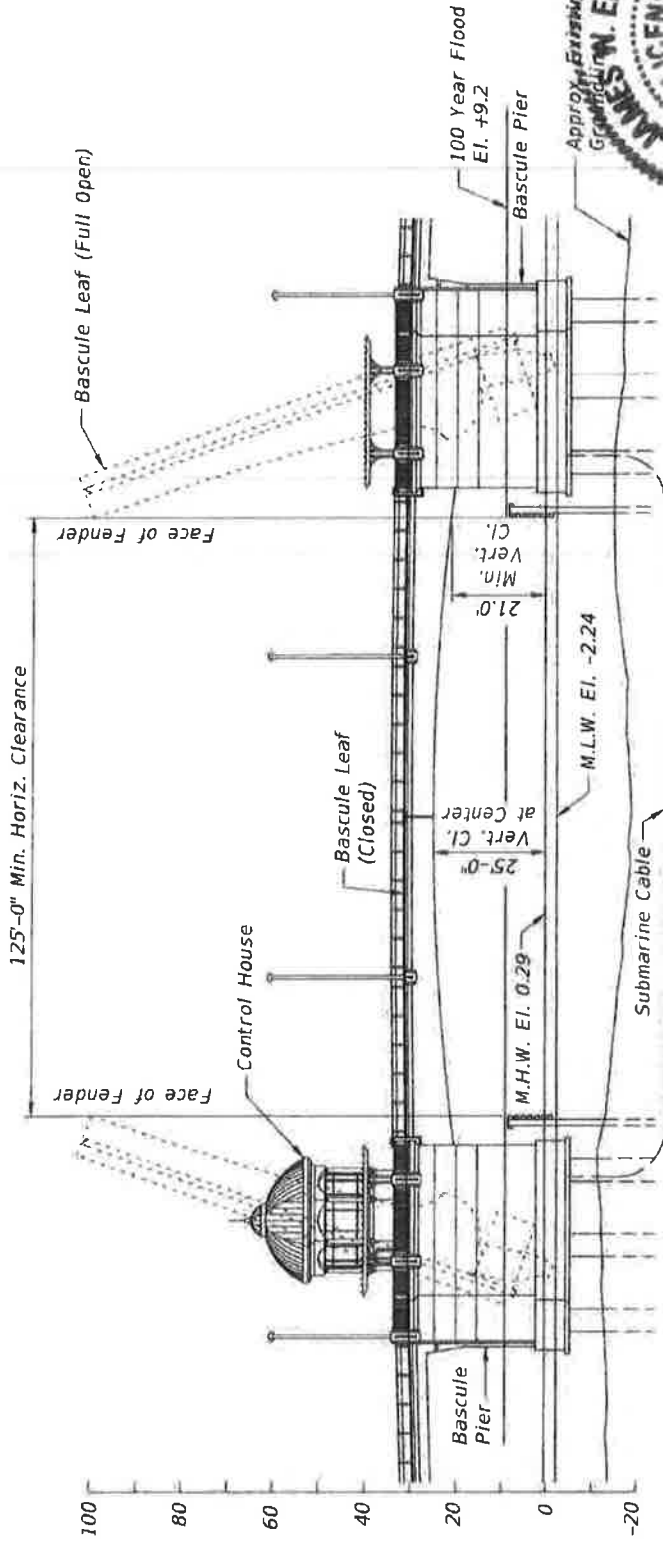
1. 100 Year Flood Elev. = +9.2' NAVD 88
2. Vertical Datum is North American Vertical Datum (NAVD) 1988.
3. For Bascule Span Navigation Clearances, see Sheet 6 of 12.



MAIN (BASCULE) BRIDGE

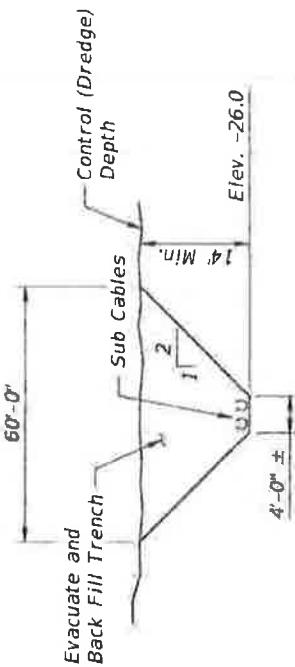
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URS CORPORATION SOUTHERN BOCA RATON, FLORIDA	
3/6/15	ELEVATION
	SHEET 5 OF 12

USCG PERMIT DRAWINGS



**SOUTH ELEVATION - BASCULE SPAN**

\* NOTE: Submarine Cable to be installed 14' min. below existing groundline from face to face of fender.



**SECTION THRU SUB CABLE TRENCH**

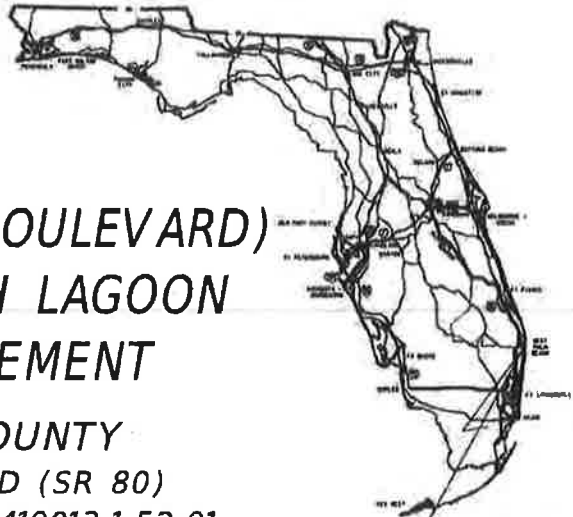


<b>MAIN (BASCULE) BRIDGE</b>	
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SR 80 (SOUTHERN BOULEVARD) OVER LAKE WORTH LAGOON (AICW) BETWEEN TOWN OF PALM BEACH AND CITY OF WEST PALM BEACH PALM BEACH COUNTY, FLORIDA MILE POINT 1024.7	
URS CORPORATION SOUTHERN BOCA RATON, FLORIDA	
3/6/15	<b>BASCULE SPAN ELEVATION</b>
	SHEET 6 OF 12

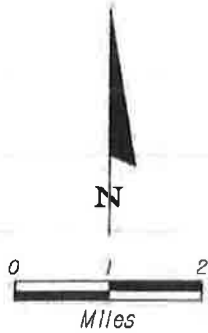
**USCG PERMIT DRAWINGS**

# SR 80 (SOUTHERN BOULEVARD) OVER LAKE WORTH LAGOON BRIDGE REPLACEMENT

PALM BEACH COUNTY  
SOUTHERN BOULEVARD (SR 80)  
FINANCIAL PROJECT ID: 419013-1-52-01

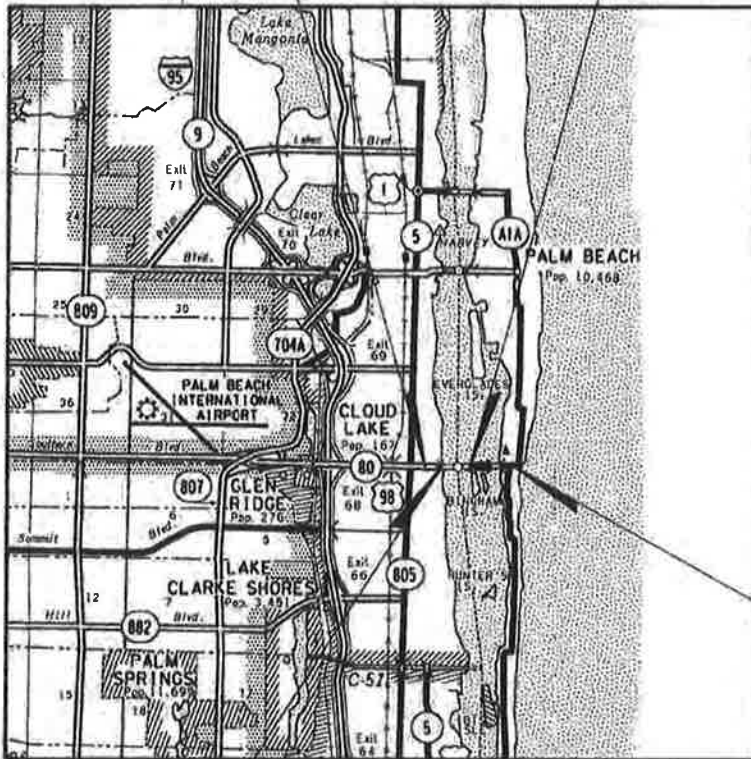


PROJECT  
LOCATION



BEGIN PROJECT  
STA. 141+50.00  
M.P. 21.165

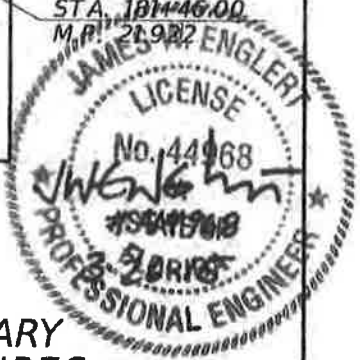
END BRIDGE  
STA. 157+71.01  
M.P. 21.472



T-43-S  
T-44-S

BEGIN BRIDGE  
STA. 148+23.01  
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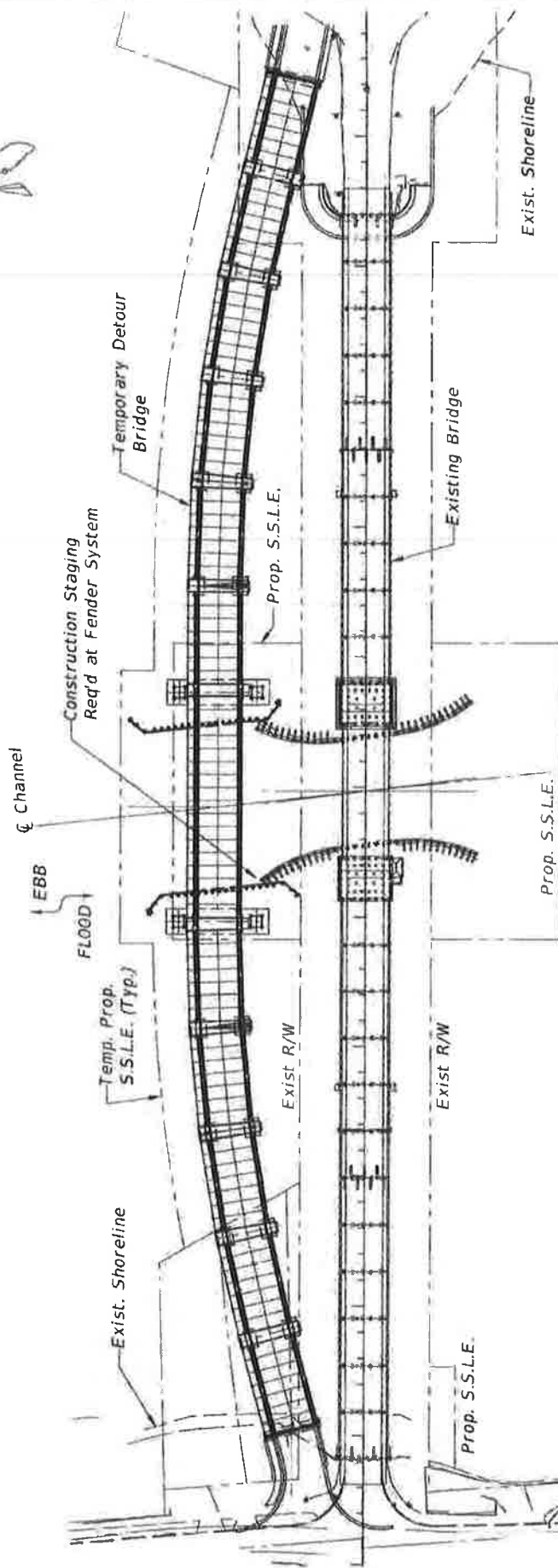
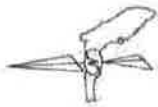
END PROJECT  
STA. 181+46.00  
M.P. 21.922



## LOCATION MAP TEMPORARY BRIDGE AND TEMPORARY INCREMENTAL LAUNCHING STRUCTURES

NOTE:  
PROPOSED BRIDGE NO. 93XXXX

DATE: 3/6/15  
SHEET 1 OF 11



PLAN - EXISTING BRIDGE AND  
TEMPORARY DETOUR BRIDGE



S.S.L.E. denotes Sovereign  
Submerged Lands Easement



USCG PERMIT DRAWINGS

TEMPORARY DETOUR BRIDGE

FLORIDA DEPARTMENT OF TRANSPORTATION

SR 80 (SOUTHERN BOULEVARD) OVER LAKE  
WORTH LAGOON (AICW) BETWEEN  
TOWN OF PALM BEACH AND  
CITY OF WEST PALM BEACH  
PALM BEACH COUNTY, FLORIDA  
MILE POINT 1024.7

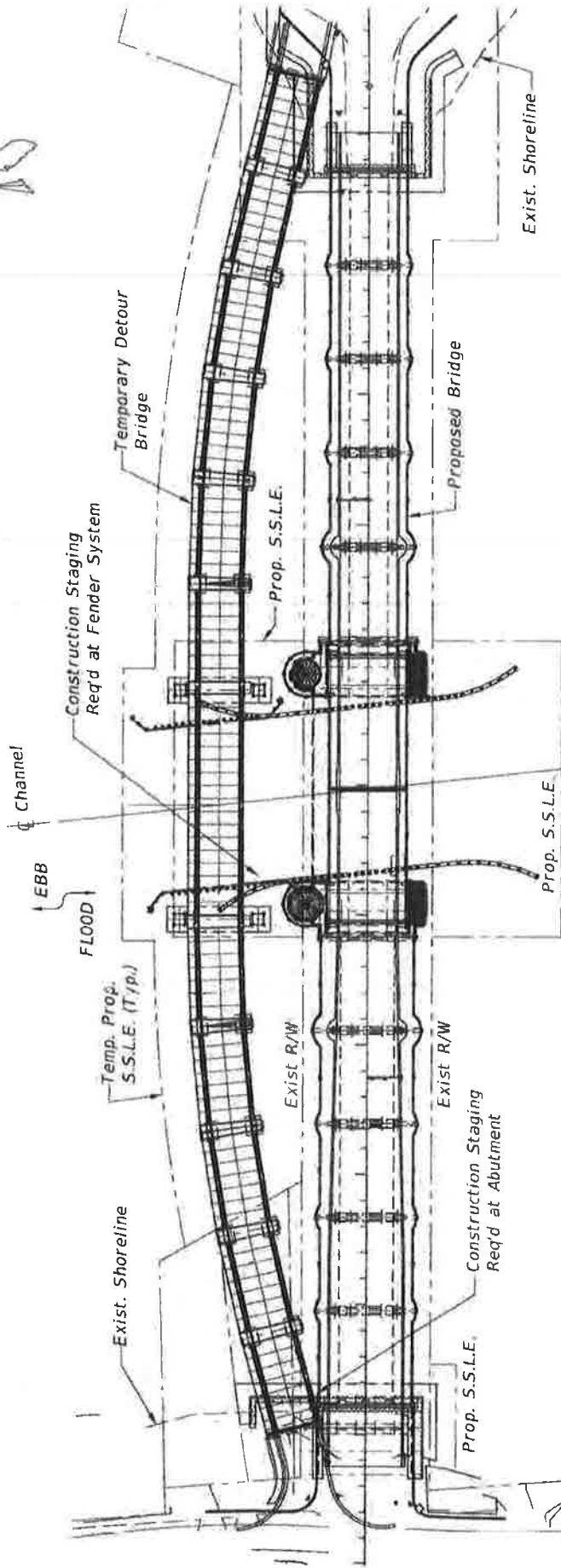
URS CORPORATION SOUTHERN  
BOCA RATON, FLORIDA

PLAN

3/6/15

SHEET  
2 OF 11

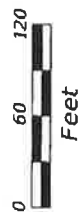




PLAN - PROPOSED BRIDGE AND  
TEMPORARY DETOUR BRIDGE



S.S.L.E. denotes Sovereign  
Submerged Lands Easement

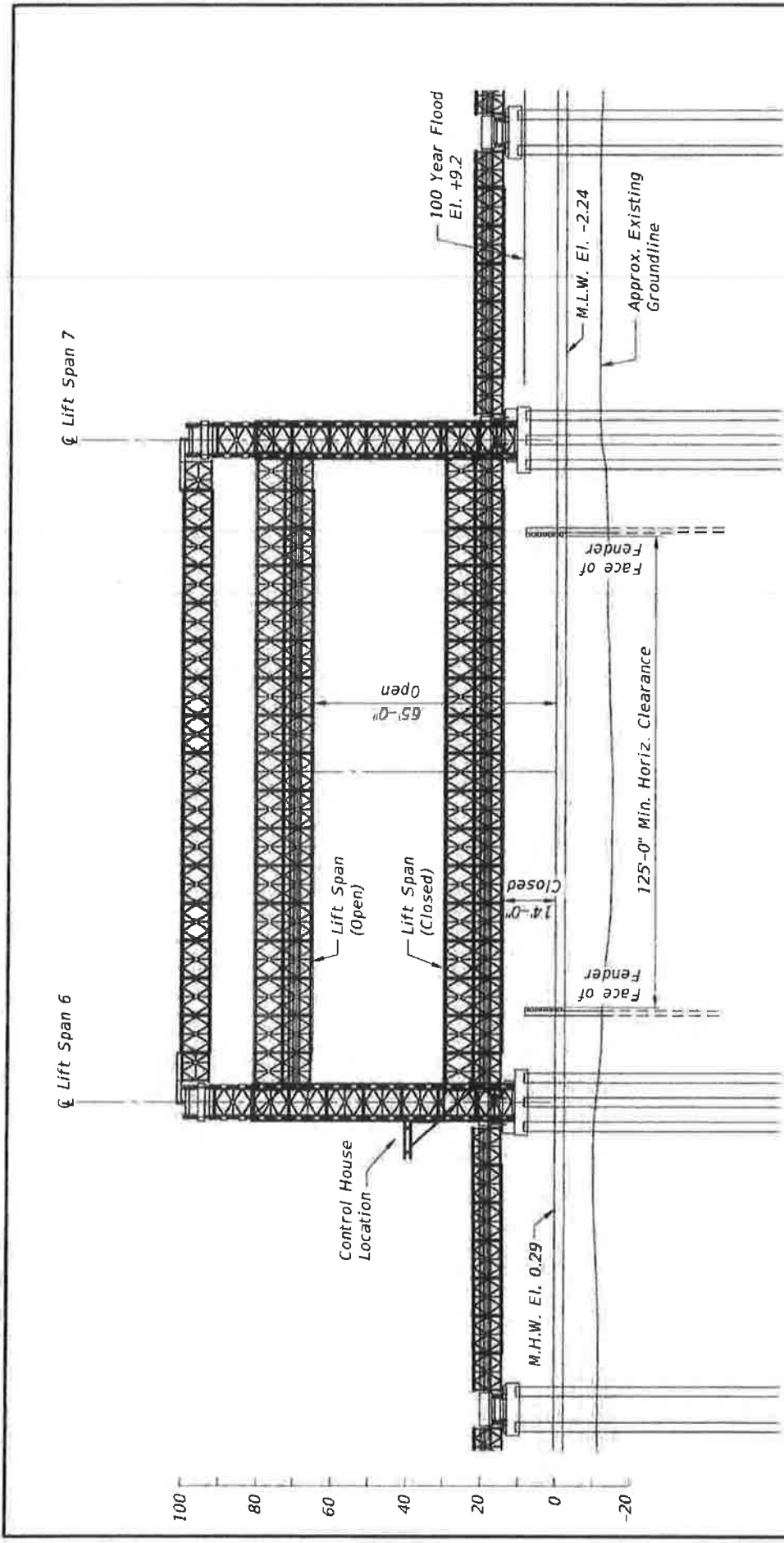


USCG PERMIT DRAWINGS

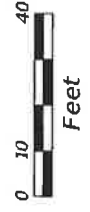
TEMPORARY DETOUR BRIDGE

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URS CORPORATION SOUTHERN BOCA RATON, FLORIDA	
3/6/15	PLAN
SHEET 3 OF 11	





SOUTH ELEVATION - LIFT SPAN



USCG PERMIT DRAWINGS

TEMPORARY DETOUR BRIDGE

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SR 80 (SOUTHERN BOULEVARD) OVER LAKE WORTH LAGOON (AICW) BETWEEN TOWN OF PALM BEACH AND CITY OF WEST PALM BEACH PALM BEACH COUNTY, FLORIDA MILE POINT 1024.7	
URS CORPORATION SOUTHERN BOCA RATON, FLORIDA	
3/6/15	ELEVATION
	SHEET 5 OF 11