

BRIDGE PROJECT QUESTIONNAIRE

The Coast Guard must determine whether or not a Bridge Permit is required for your project. By providing full and accurate information on this form, you will assist in our decision making process. Errors or misstatements may require redesigning of your bridge, and may subject you to civil penalty sanctions. If you have any questions regarding this form, do not hesitate to contact the Bridge Administration Branch at the letterhead address or phone number. Regarding the site of your proposed bridge, please provide the following information:

NAVIGATION DATA:

1. Name of waterway: Big Island Gap (crossed by existing I-275 Bridge #150252)
- 1a. At proposed site, mileage along waterway measured from mouth or confluence: 8.16 NM
- 1b. Waterway is a tributary of Old Tampa Bay at mile (post) 14.082
2. Geographical Location: I-275 (SR 93), St. Petersburg, Pinellas County, Florida
(Road Number, City, County, State)
3. Township, section and range, if applicable: T30S, R17E, Section 6
4. Is the waterway tidally influenced at proposed bridge site? Yes
Range of tide? 1.93 feet
5. Depth and width of waterway at proposed bridge site:

| | Depth | Width |
|-------------------|--------------------------------------|-----------------|
| At Mean High Tide | <u>7.93 feet max. at center span</u> | <u>200 feet</u> |
| At Mean Low Tide | <u>6.00 feet max. at center span</u> | <u>200 feet</u> |
6. Check the type(s) of present vessel traffic on the waterway:
Canoe X Rowboat X Small Motorboat X Cabin Cruiser
Houseboat Pontoon Boat Sailboat Tug and tow None
- 6a. Provide the vertical clearance required for the largest vessel using the waterway: The minimum vertical clearance required for the largest vessel crossing under the I-275 bridge (#150252) at MLW is 9.5 feet.
- 6b. Provide a photograph of each type vessel using the waterway. Kayaks, canoes, recreational and commercial powerboats up to 35 feet in length are observed crossing under the I-275 and the SR 687 (4th St. N.) bridges (located approx. 0.15 mi. SE of the I-275 bridge). Photos at I-275 bridge are provided below.



Kayak under Southeast side of I-275 bridge (#150252) – Looking Southwest



Commercial powerboat under I-275 bridge (#150252) – Looking North



Commercial powerboat and kayak adjacent to northwest side of I-275 bridge (#150252) – Looking Northeast

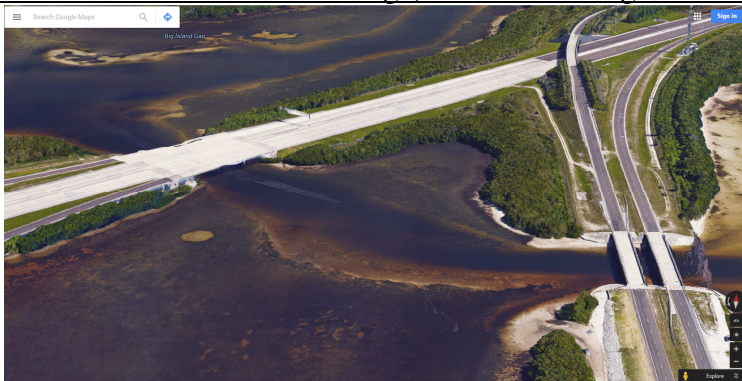
7. Are these waterways used to transport interstate or foreign commerce? Yes ____ No X

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. To your knowledge, are there any planned waterway improvements to permit larger vessels to navigate? None. If so, what are they? _____

8. Are there 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. SR 687 (4th St. N.) bridges (SB span #150014 and NB span #150108) over Big Island Gap are located approx. 0.15 mi. SE of the I-275 bridge). All three bridges are shown in the aerial photo below.



**I-275 bridge (#150252) and SR 687 (4th St. N.) bridges (#150014 SB & #150108 NB)
– Looking North**

8b. If the obstruction(s) are bridges, provide vertical clearance at mean high water and mean low water and horizontal clearance normal to axis of the waterway. Vertical Clearance: MHW: 5.97 feet MLW: 7.90 feet Horizontal clearance: 48.3 feet

8c. Provide a photograph of the bridge(s) from the waterway showing channel spans. See below. Max. span (horizontal clearance) of these bridges is 48.3 feet.



SR 687 (4th St. N.) SB bridge (#150014) – Looking East



SR 687 (4th St. N.) NB bridge (#150108) – Looking West

9. Will the proposed structure replace an existing bridge? No. The proposed I-275 Master Plan improvements include outside widening only of the existing I-275 bridge over Big Island Gap.

9a. Provide permit number and issuing agencies of permits for the bridge(s) to be replaced. FDOT will apply for appropriate permits during the design phase of the project.

9b. Provide the vertical clearance above mean high water and mean low water and the horizontal clearance normal to axis of waterway. Vertical Clearance: MHW: 7.59 feet
MLW: 9.52 feet Horizontal Clearance: 86.6 feet

9c. Provide a photograph of the to-be-replaced bridge from the waterway, showing the channel span(s). See below. Max. span (horizontal clearance) of this bridge is 86.6 feet.

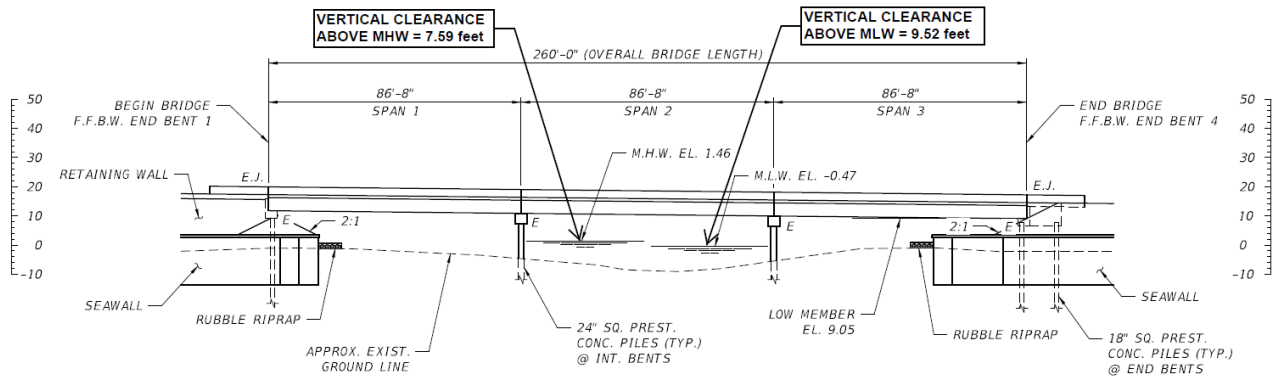


I-275 bridge (#150252) – Looking Northwest

10. List the names and addresses of persons whose property adjoins the bridge right of way. The closest private properties are located approximately one mile west of the subject bridge crossing. Mercury Casualty Co. (1901 Ulmerton Rd. St. Petersburg, FL 33716) and Franklin/Templeton Investor Services, Inc. (100 Fountain Pkwy. N. St. Petersburg, FL 33716) as shown in the graphic below.



11. List names and addresses/location of marinas, marine repair facilities, public boat ramps, private piers/docks along waterway within ½ mile of site. None of these facilities are located within ½ mile of the I-275 bridge (#150252).
12. Attach a location map and plans for the proposed bridge; show the vertical clearances above mean high water and mean low water and the horizontal clearance normal to axis of the waterway. The I-275 bridge elevation drawing (below and attached) for the I-275 bridge (#150252) shows the vertical clearances from MHW and MLW. An I-275 bridge plan drawing and a bridge typical section are also attached..



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. See below.



Looking Northwest from I-275 bridge (#150252)



Looking Southeast from I-275 bridge (#150252)



Looking Northeast along I-275 C/L Alignment just south of bridge (#150252)



Looking Southwest from Northwest shoulder just north of bridge (#150252)

DATE:_____ Print Name and Agency:_____

Signature:_____

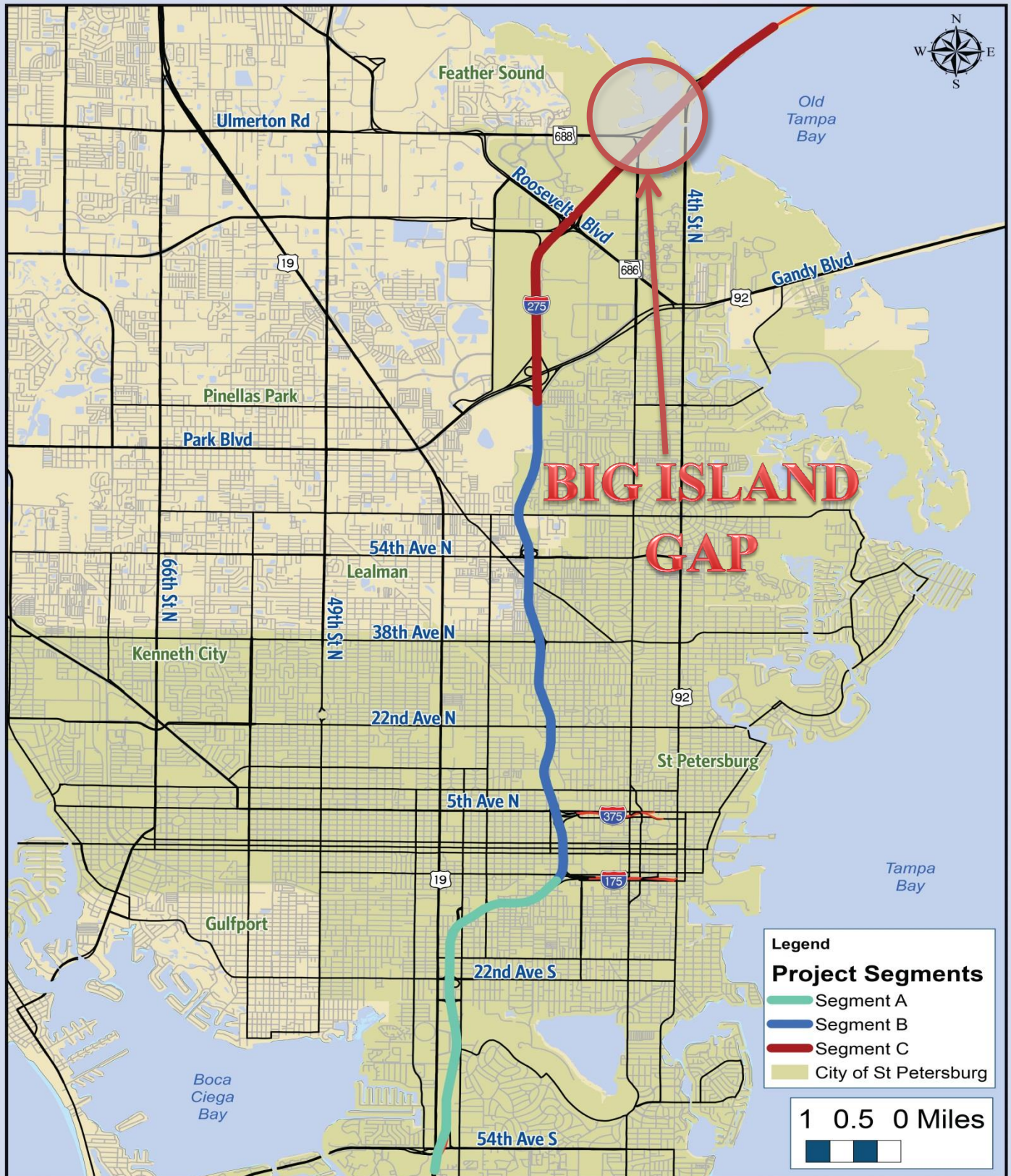
ATTACHMENTS: Location Map
Bridge Plans
Additional Photographs

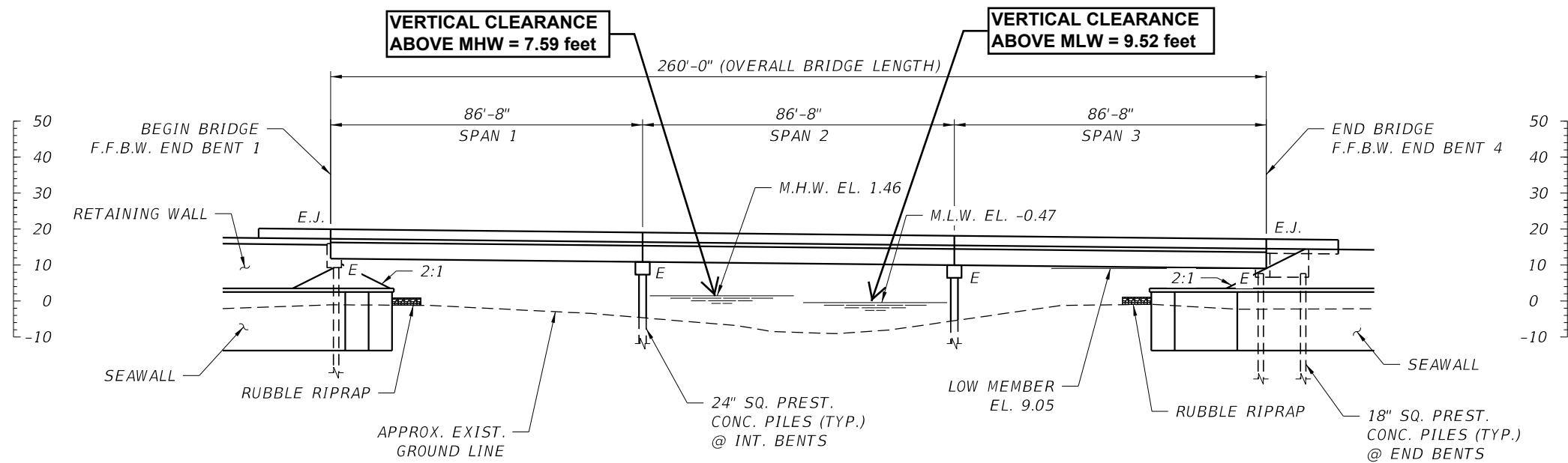


I-275/SR 93 PD&E Study

From south of 54th Avenue South to north of 4th Street North, Pinellas County, Florida
WPI Segment # 424501-1, ETDM # 12556

Project Location Map

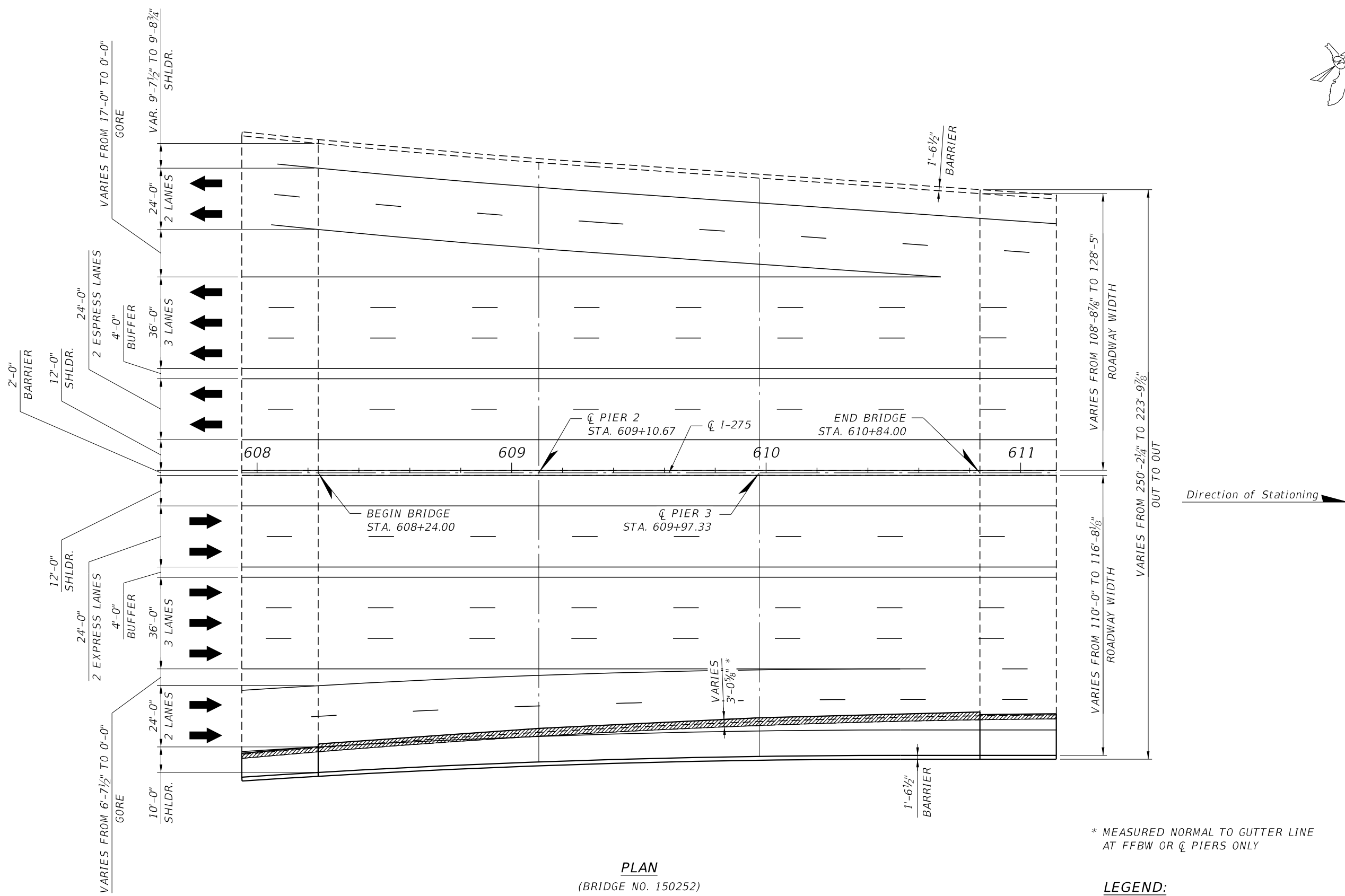
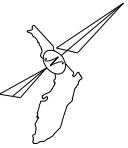




ELEVATION
(BRIDGE NO. 150252)

| REVISIONS | | | | | | LOCHNER 4350 W. CYPRESS STREET. SUITE 800 TAMPA, FLORIDA 33607 FBPR CERTIFICATE OF AUTH. #894 CHRISTOPHER P. GILL, P.E. NO. 62540 | DRAWN BY: JGH 12-14 CHECKED BY: CPG 12-14 DESIGNED BY: JGH 12-14 CHECKED BY: CPG 12-14 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET TITLE: | | REF. DWG. NO. |
|---|----|-------------|------|----|-------------|---|---|--|----------|----------------------|--------------------------------|-----------|---------------|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | | | | | | ELEVATION BRIDGE NO. 150252 | | |
| NOT FOR CONSTRUCTION PRELIMINARY AND SUBJECT TO CHANGE | | | | | | | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | PROJECT NAME: | SHEET NO. | |
| | | | | | | | | I - 275 | PINELLAS | 424501-1-22-01 | I-275 MANAGED LANES | | |
| | | | | | | | | | | | | | |

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



PLAN
(BRIDGE NO. 150252)

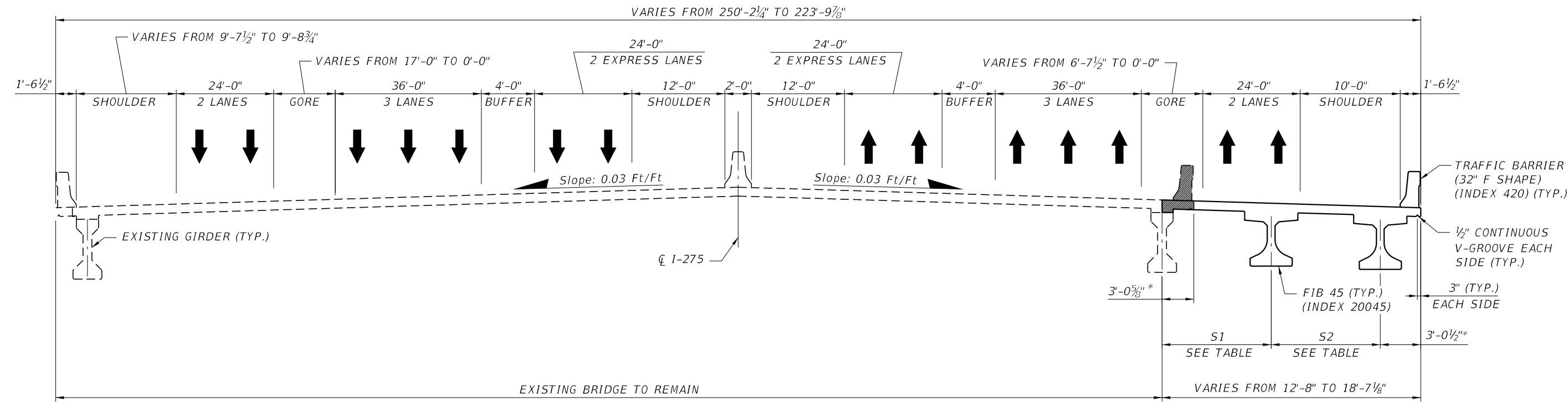
* MEASURED NORMAL TO GUTTER LINE
AT FFBW OR \varnothing PIERS ONLY

LEGEND:

 INDICATES PORTION OF EXISTING
BRIDGE TO BE REMOVED

| REVISIONS | | | | | | LOCHNER 4350 W. CYPRESS STREET. SUITE 800 TAMPA, FLORIDA 33607 FBPR CERTIFICATE OF AUTH. #894 CHRISTOPHER P. GILL, P.E. NO. 62540 | DRAWN BY: JGH 12-14 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET TITLE: | | REF. DWG. NO. |
|---|----|-------------|------|----|-------------|---|---------------------------|--|----------|----------------------|---------------------|--|---------------|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | | CHECKED BY: CPG 12-14 | | | | PROJECT NAME: | | |
| NOT FOR CONSTRUCTION PRELIMINARY AND SUBJECT TO CHANGE | | | | | | | DESIGNED BY: JGH 12-14 | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | I-275 MANAGED LANES | | SHEET NO. |
| | | | | | | | CHECKED BY: CPG 12-14 | I - 275 | PINELLAS | 424501-1-22-01 | | | |
| | | | | | | | | | | | | | |

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



* MEASURED NORMAL TO GUTTER LINE
AT FFBW OR ϕ PIERS ONLY

TYPICAL SECTION
(BRIDGE 150252)
(NTS)

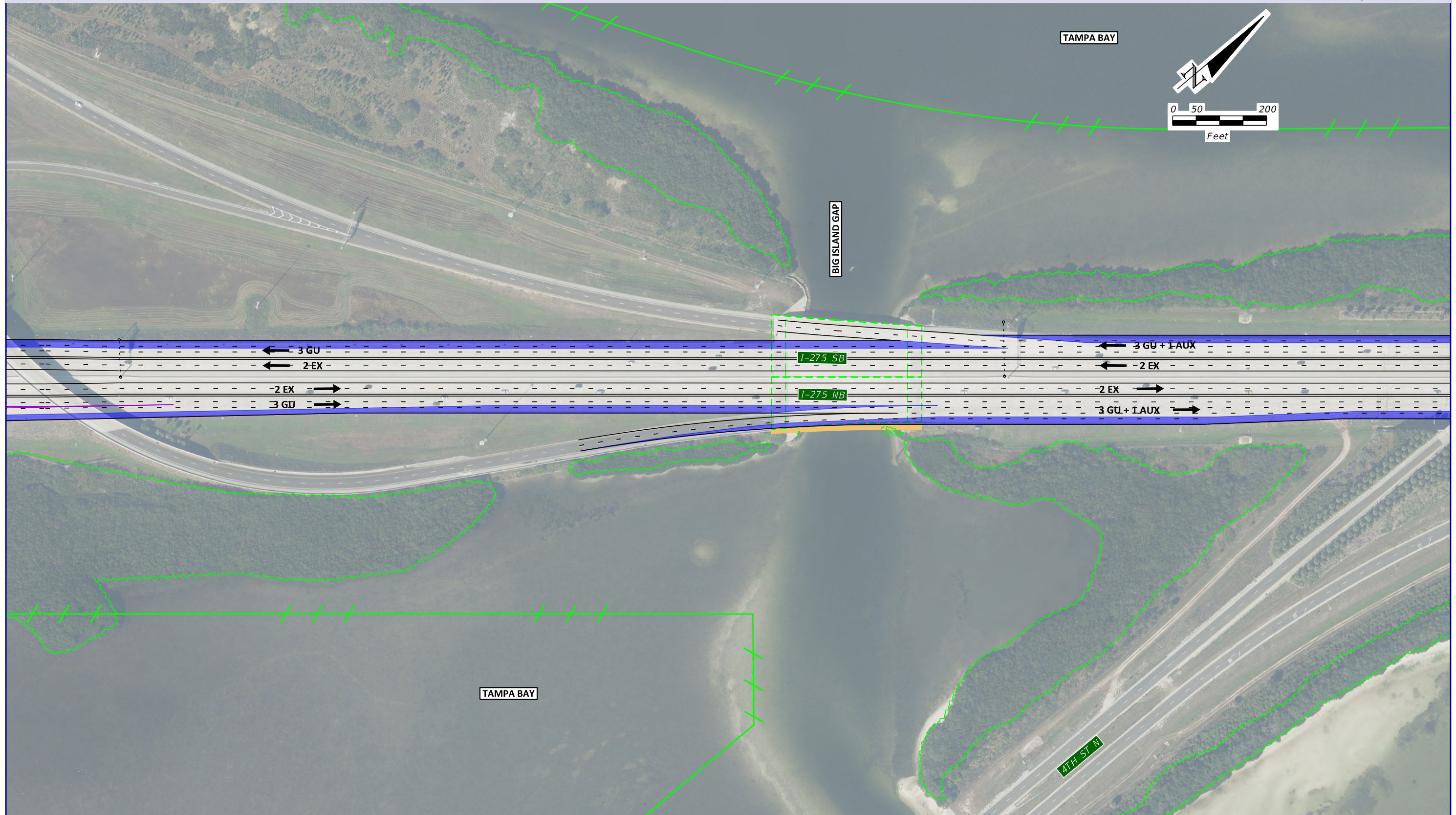
| | S1 | S2 |
|--------|-------|------------------------------------|
| SPAN 1 | 5'-0" | VARIES FROM 4'-7 1/2" TO 6'-7 1/2" |
| SPAN 2 | 6'-6" | VARIES FROM 5'-1 3/4" TO 7'-1 7/8" |
| SPAN 3 | 6'-6" | VARIES FROM 7'-2" TO 9'-0 5/8" |

LEGEND

■ INDICATES PORTION OF EXISTING BRIDGE TO BE REMOVED

| REVISIONS | | | | | | LOCHNER 4350 W. CYPRESS STREET, SUITE 800 TAMPA, FLORIDA 33607 FBPR CERTIFICATE OF AUTH. #894 CHRISTOPHER P. GILL, P.E. NO. 62540 | DRAWN BY: JGH 12-14 CHECKED BY: CPG 12-14 DESIGNED BY: JGH 12-14 CHECKED BY: CPG 12-14 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | SHEET TITLE: TYPICAL SECTION BRIDGE NO. 150252 | REF. DWG. NO. |
|-----------|----|---|------|----|-------------|---|---|--|----------|----------------------|--|---------------|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | |
| | | NOT FOR CONSTRUCTION PRELIMINARY AND SUBJECT TO CHANGE | | | | | | I - 275 | PINELLAS | 424501-1-22-01 | PROJECT NAME: I-275 MANAGED LANES | SHEET NO. |

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



| | | | | | | |
|---------------------|---------------|-----------------|-------------------------|--------------------------|-------------------------|-------------------------|
| LEGEND: | | BRIDGE WIDENING | WETLANDS | FLOOD PLAINS | OVERHEAD SIGN STRUCTURE | EX = EXPRESS TOLL LANES |
| CONTINUITY WIDENING | BRIDGES | SURFACE WATER | CONTINUOUS SEA GRASS | NOISE SENSITIVE AREA | GU = GENERAL USE LANES | AUX = AUXILIARY LANES |
| MASTER WIDENING | HISTORIC SITE | MANGROVES | DISCONTINUOUS SEA GRASS | NOISE SENSITIVE RECEPTOR | | |
| STARTER WIDENING | RIGHT OF WAY | ITS CAMERA | CONTAMINATION | NOISE BARRIER | | |

I-275: 54TH AVE S TO N 4TH ST
CONCEPT PLANS AND
NOISE SENSITIVE RECEPTORS

SHEET
NO.

27

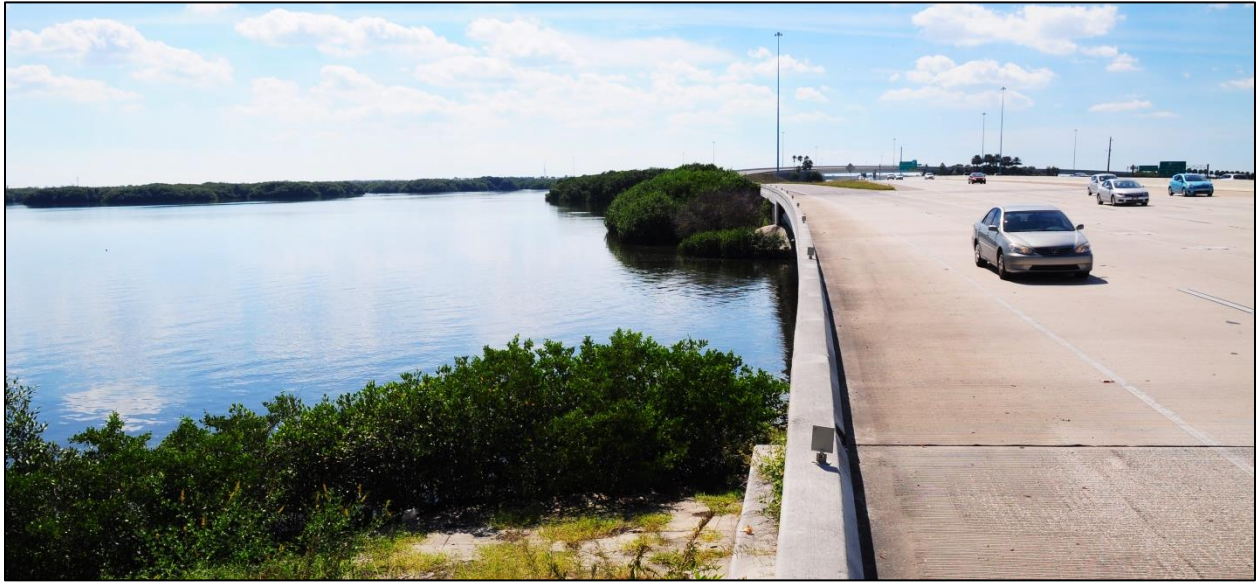
Photograph 1: Aerial view of I-275 bridge (#150252) over Big Island Gap



Photograph 2 – Profile view looking to the northwest



Photograph 3 – Northbound I-275 lanes looking southwest



Photograph 4 – Southbound I-275 lanes looking southwest

