



FRIENDSHIP TRAIL BRIDGE DEMOLITION PROJECT

JASON BOULNOIS, PE, MANAGER-CONSTRUCTION SERVICES
HILLSBOROUGH COUNTY PUBLIC WORKS

BACKGROUND

- Originally constructed in 1956
- Carried traffic until closed in 1995 when new Gandy Bridge opened
- In 1997 FDOT transferred ownership to Hillsborough County and Pinellas County jointly
- Re-opened in 1999 as Friendship Trail Bridge for pedestrian traffic
- Closed in 2008 after engineers determined the bridge was in danger of collapsing under its own weight

CURRENT STATUS

- Hillsborough County selected design-build team American Bridge Company/Ayres Associates
- Project Began July 9, 2015, Anticipated Completion October 27, 2016
- Current contract amount is \$9.35 Million
- Have obtained all of the required permits, small area of seagrass found on northeast corner of bridge and will not be impacted during bridge removal
- ABC began removing hand railing, light poles, and other minor items in August 2015
- Removal of the center portion of the bridge is schedule to begin mid September 2015

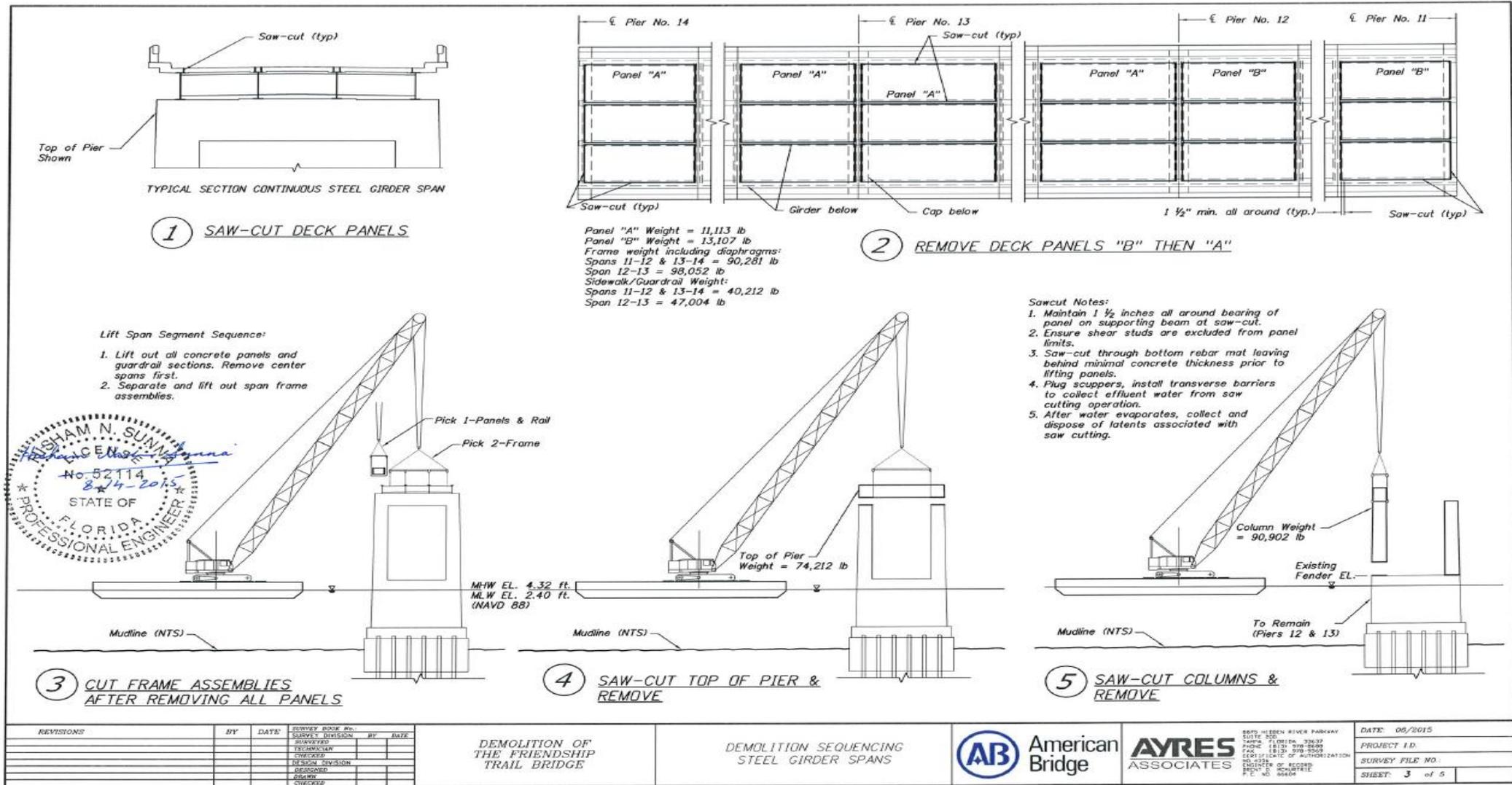
SEAGRASS LOCATION



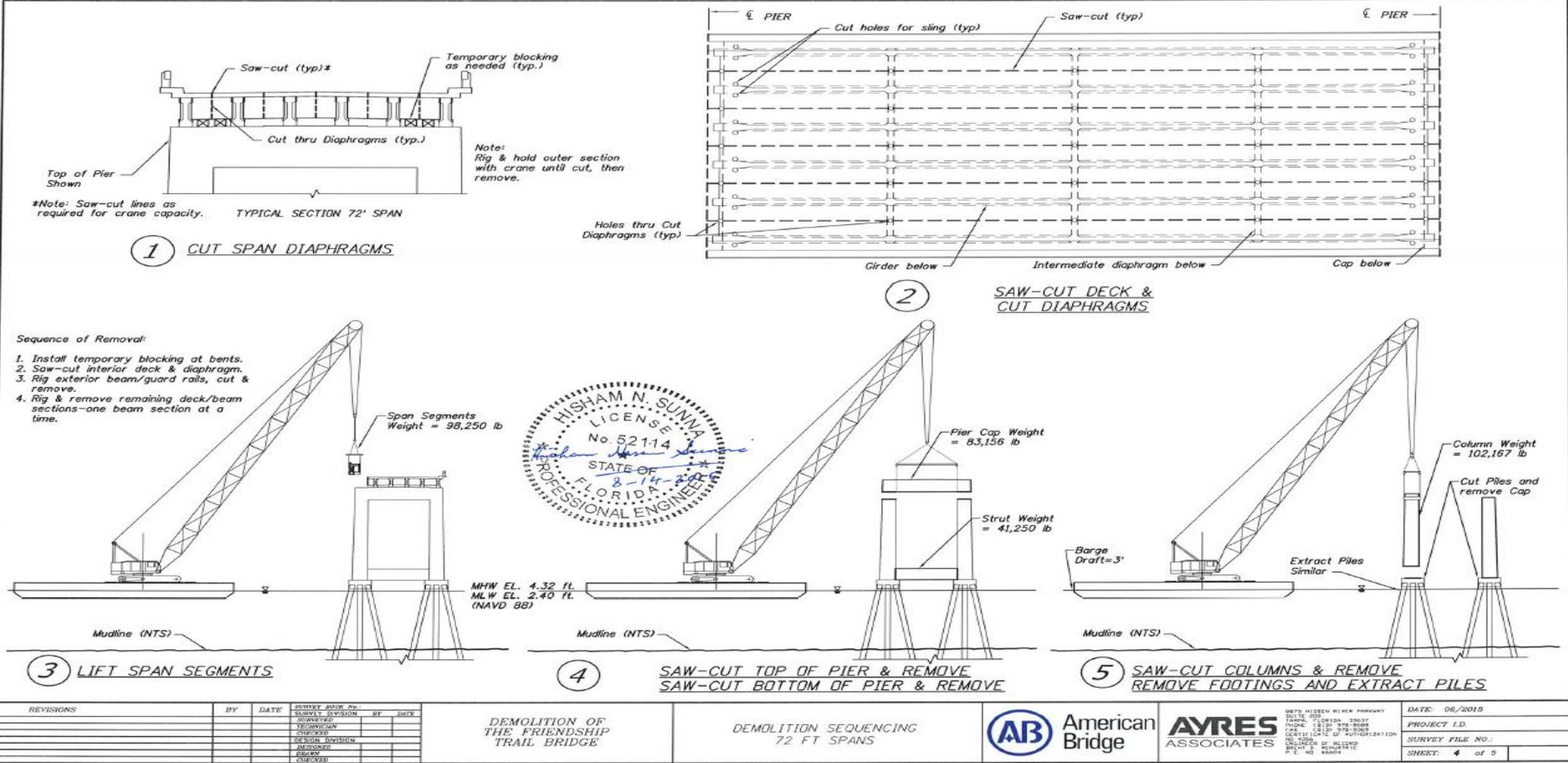
CURRENT STATUS

- Buoys will be placed to delineate the construction zone and coordinated with the US Coast Guard
- Strategic removal of the bridge by saw cutting deck panels and removing in manageable sections
- Separate the framing and remove each span
- The piers will be saw cut and removed in manageable pieces
- Bridge piles will be extracted and removed from the ground

CENTER SPAN REMOVAL



72 FOOT LONG SPAN REMOVAL



REVISIONS	BY	DATE	REVISION	DATE

DEMOLITION OF THE FRIENDSHIP TRAIL BRIDGE

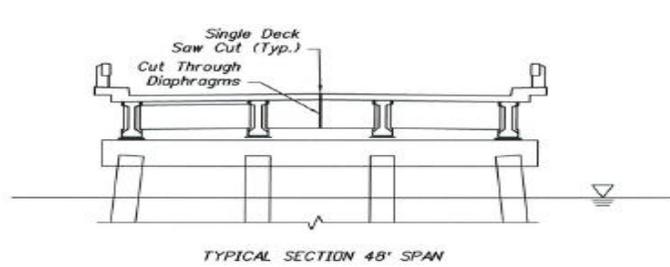
DEMOLITION SEQUENCING 72 FT SPANS



8875 HIDDEN RIVER PARKWAY
SUITE 050
TAMPA, FLORIDA 33607
PHONE (813) 978-8609
FAX (813) 978-8609
LOCAL OFFICE OF AUTHORIZATION
NO. 10000 OF 10000
ISSUED BY: HENRY
PROJECT: 15-000000
P. C. NO. 88000

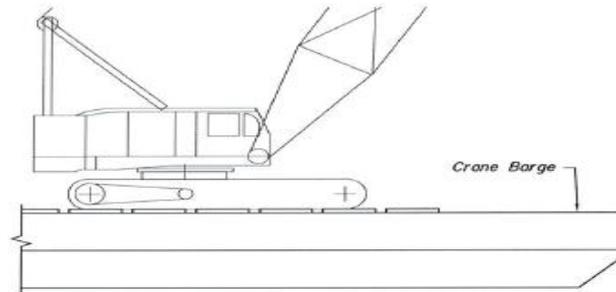
DATE: 06/2015
PROJECT I.D.
SURVEY FILE NO.:
SHEET: 4 of 5

48 FOOT LONG SPAN REMOVAL

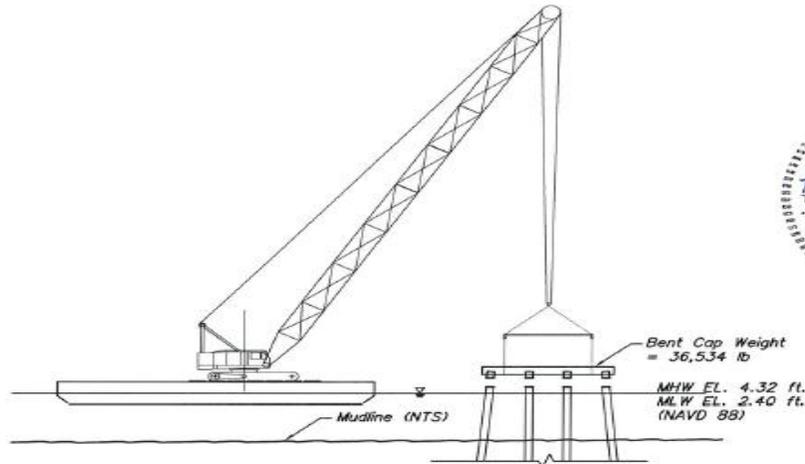
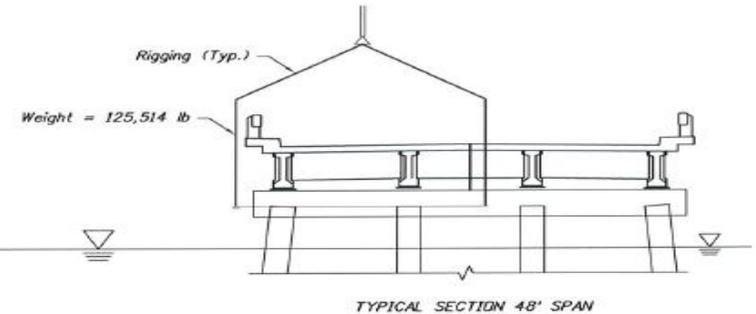


1 CUT DIAPHRAGMS & SAW CUT DECK AS SHOWN

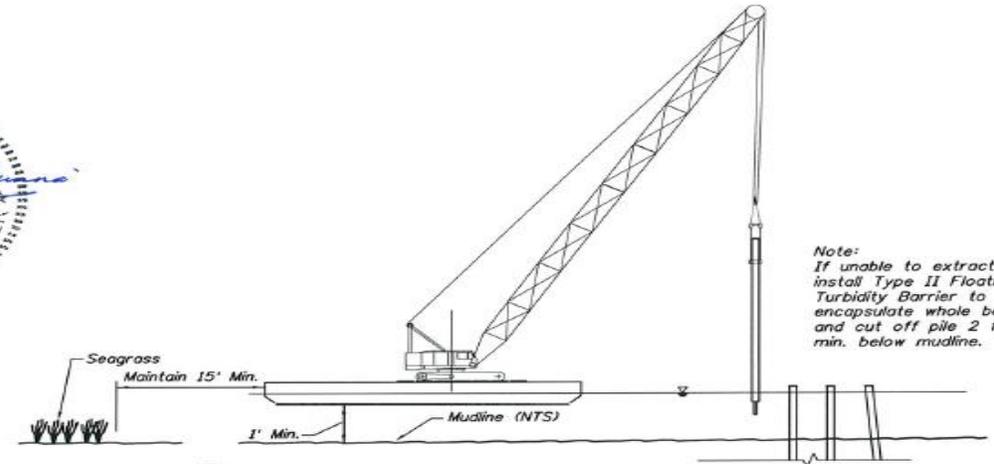
Sequence Of Removal:
1. Outer Deck Sections
2. Inner Deck Sections



2 LIFT OUT SECTIONS BY CRANE BARGE



3 CUT JUST UNDER PILE CAP PILES & REMOVE PILE BENT



4 EXTRACT PILES

Note:
If unable to extract pile, install Type II Floating Turbidity Barrier to encapsulate whole bent and cut off pile 2 ft. min. below mudline.

Notes:
1. Pile lengths anticipated: 40' to 60'.
2. Research pile to be tagged and removed for USF, locations TBD by USF.

REVISIONS	BY	DATE	ISSUED FOR	BY	DATE

DEMOLITION OF THE FRIENDSHIP TRAIL BRIDGE

DEMOLITION SEQUENCING
48 FT SPANS



AYRES ASSOCIATES

8875 HIDDEN RIVER PARKWAY
SUITE 100
TAMPA, FLORIDA 33627
PHONE (813) 978-8888
FAX (813) 978-8888
CERTIFICATE OF REGISTRATION
NO. 10000
EXPIRES 12/31/2015
P.E. NO. 88884

DATE: 06/2015
PROJECT I.D.
SURVEY FILE NO.:
SHEET: 5 of 5

CURRENT STATUS

- Bridge piles that break during removal will be cut off two feet below bed surface
- All removed materials will be transported to contractor's property near bridge project by barge
- Contractor is taking extra precautions to contain debris and prevent from entering into Tampa Bay
- Small area of seagrass found on northeast side of bridge, will not be disturbed by bridge removal

Questions...

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Contact Information

- Jason Boulnois, PE, 813-307-1811
- boulnoisj@hillsboroughcounty.org