



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

**LOCAL NOTICE TO MARINERS**

**District: 11**

**Week: 01/16**

CORRESPONDENCE TO:  
COMMANDER  
DISTRICT ELEVEN (DPW)  
COAST GUARD ISLAND BUILDING 50-2  
ALAMEDA, CA 94501-5100

REFERENCES: COMDTPUB P16502.6, Light List Volume VI, 2015 Edition, U.S. Chart No.1 12th Edition, and Coast Pilot Volume 7 46th Edition. These publications, along with corrections, are available at: <http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm>.

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated through BNM HB-0023-15, SF-0002-16, LA-0001-16, and SD-0004-16 have been incorporated in this notice, or will continue if still significant.

**ABBREVIATIONS**

**A through H**

ADRIFT - Buoy Adrift  
AICW - Atlantic Intracoastal Waterway  
AI - Alternating  
B - Buoy  
BKW - Breakwater  
bl - Blast  
BNM - Broadcast Notice to Mariner  
bu - Blue  
C - Canadian  
CHAN - Channel  
CGD - Coast Guard District  
C/O - Cut Off  
CONT - Contour  
CRK - Creek  
CONST - Construction  
DAYMK/Daymk - Daymark  
DBN/Dbn - Daybeacon  
DBD/DAYBD - Dayboard  
DEFAC - Defaced  
DEST - Destroyed  
DISCON - Discontinued  
DMGD/DAMGD - Damaged  
ec - eclipse  
EST - Established Aid  
ev - every  
EVAL - Evaluation  
EXT - Extinguished  
F - Fixed  
fl - flash  
Fl - Flashing  
G - Green  
GIWW - Gulf Intracoastal Waterway  
HAZ - Hazard to Navigation  
HBR - Harbor  
HOR - Horizontal Clearance  
HT - Height

**I through O**

I - Interrupted  
ICW - Intracoastal Waterway  
IMCH - Improper Characteristic  
INL - Inlet  
INOP - Not Operating  
INT - Intensity  
ISL - Islet  
Iso - Isophase  
kHz - Kilohertz  
LAT - Latitude  
LB - Lighted Buoy  
LBB - Lighted Bell Buoy  
LHB - Lighted Horn Buoy  
LGB - Lighted Gong Buoy  
LONG - Longitude  
LNM - Local Notice to Mariners  
LT - Light  
LT CONT - Light Continuous  
LTR - Letter  
LWB - Lighted Whistle Buoy  
LWP - Left Watching Properly  
MHz - Megahertz  
MISS/MSNG - Missing  
Mo - Morse Code  
MRASS - Marine Radio Activated Sound Signal  
MSLD - Misleading  
N/C - Not Charted  
NGA - National Geospatial-Intelligence Agency  
NO/NUM - Number  
NOS - National Ocean Service  
NW - Notice Writer  
OBSCU - Obscured  
OBST - Obstruction  
OBSTR - Obstruction  
Oc - Occulting  
ODAS - Anchored Oceanographic Data Buoy

**P through Z**

PRIV - Private Aid  
Q - Quick  
R - Red  
RACON - Radar Transponder Beacon  
Ra ref - Radar reflector  
RBN - Radio Beacon  
REBUILT - Aid Rebuilt  
RECOVERED - Aid Recovered  
RED - Red Buoy  
REFL - Reflective  
RRL - Range Rear Light  
RELIGHTED - Aid Relit  
RELOC - Relocated  
RESET ON STATION - Aid Reset on Station  
RFL - Range Front Light  
RIV - River  
RRASS - Remote Radio Activated Sound Signal  
s - seconds  
SEC - Section  
SHL - Shoaling  
si - silent  
SIG - Signal  
SND - Sound  
SPM - Single Point Mooring Buoy  
SS - Sound Signal  
STA - Station  
STRUCT - Structure  
St M - Statute Mile  
TEMP - Temporary Aid Change  
TMK - Topmark  
TRLB - Temporarily Replaced by Lighted Buoy  
TRLT - Temporarily Replaced by Light  
TRUB - Temporarily Replaced by Unlighted Buoy  
USACE - Army Corps of Engineers  
W - White  
Y - Yellow

Additional Abbreviations Specific to this LNM Edition: None

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## SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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### **SUBMITTING INFORMATION FOR PUBLICATION IN THE LOCAL NOTICE TO MARINERS**

A complete set of guidelines with examples and contact information can be found at <http://www.uscg.mil/D11/DP/LnmRequest.asp> or call BM1 Alfred Albert at 510-437-2980 or e-mail [D11LNM@uscg.mil](mailto:D11LNM@uscg.mil). Please provide all Local Notice to Mariners submissions 14 days prior to the start of operations.

### **COAST GUARD LIGHT LISTS-CHANGE IN DISTRIBUTION METHOD**

Coast Guard Light Lists are a means for communicating aids to navigation information to the maritime public. Effective immediately, the Coast Guard will no longer print hardcopy Light Lists. The last government printed Light Lists were the 2014 editions.

Based on emerging technology and the ability to update Light Lists on a weekly basis, the cost and time for printing the Light List on an annual basis has reached obsolescence. Technology now allows us to provide the Light List in a timelier and less costly manner via the Internet. A Federal Register Notice announcing this change was issued on 1 April 2015. The notice can be viewed at <http://www.gpo.gov/fdsys/pkg/FR-2015-04-01/pdf/2015-07501.pdf>.

Electronic Light Lists are available on the Coast Guard Navigation Center's (NAVCEN) website at <http://www.navcen.uscg.gov/?pageName=lightLists>. Complete versions of the Light Lists are updated weekly on the NAVCEN website at <http://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates>. Mariners should download applicable copies and updates as needed. Electronic nautical publications are authorized for use on commercial vessels. While the Light Lists will no longer be available in government printed form, commercial reproductions may be available in the future. Local Notices to Mariners will continue to advertise Light List corrections and NAVCEN will continue to publish a compilation of corrections.

LNM: 15/15

### **SUBMITTING REGULATORY AND CONCURRENT PROJECT INFORMATION**

Information or requests regarding regulatory items or concurrent projects should be directed to the U.S. Coast Guard Eleventh District Waterways Management Branch at [D11waterways@uscg.mil](mailto:D11waterways@uscg.mil).

LNM: 11/15

### **BRIDGE INFORMATION-DISCREPANCIES AND CORRECTIONS**

For all bridge related issues, including lighting, operation, obstructions, construction, demolition, etc. contact the Eleventh Coast Guard District Bridge Administrator 24 hour cell phone at 510-219-4366. Flotsam may accumulate on and near bridge piers and abutments. Mariners should approach all bridges with caution. A vessel delay at a drawbridge may be reported to the District Bridge Administrator by telephone, or by using the [DelayRept0207.pdf](#) included in the Enclosures section of this Local Notice to Mariners.

### **AUTOMATIC IDENTIFICATION SYSTEMS-REVISED AIS ENCODING GUIDANCE**

U.S. regulations require all Automatic Identification Systems (AIS) to be maintained in effective operating condition, which includes the accurate input and upkeep of all AIS data fields (33 CFR 164.46(d)). The U.S. Coast Guard has developed a Guide, to assist AIS users in performing this task, which provides guidance and examples on how to properly encode each AIS data parameter. See the [AIS\\_Encoding\\_Guidance.pdf](#) in the enclosure section for more detailed information. The enclosed guide is also available on the U.S. Coast Guard Navigation Center website at <http://www.navcen.uscg.gov/AIS>.

LNM: 29/15

### **MARINE SAFETY AND SECURITY BULLETIN**

Mariners operating in the vicinity of the entrance to San Diego Bay, specifically adjacent to the Zuniga Jetty, are reminded of the inherent hazards that exist along the semi-submerged break-wall. Follow all navigation charts for safe operating distance around the jetty, associated shoal waters, and rock hazards. Do not navigate across or within any submerged portion of the Coast Guard navigation marked jetty. For additional information see [MSSB 005-14 safety advisory.pdf](#) in the enclosure section. For more details or comments contact Coast Guard Sector San Diego Waterways Management Division at 619-278-7656 or by email at [D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil](mailto:D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil).

LNM: 49/15

### **MARINE SAFETY INFORMATION BULLETIN**

The Harbor Safety Committee of the San Francisco Bay Region adopted a proposal to establish anchorage berthing schemes in general anchorages 7, 8, and 8A. These berthing schemes will provide more efficient use and greater predictability of the available space in these anchorages. All existing regulations governing the use of these anchorages remain in effect. Vessels using these anchorages should strive to let go their anchor in the center of the drop bucket. For more details or comments contact Sean Kelley Sector San Francisco VTS Director at 415-399-7402. For additional information see [MSIB 15-07.pdf](#) in the enclosure section.

**MARINE SAFETY INFORMATION BULLETIN**

Some vessel operators are choosing to depart the Traffic Separation Scheme (TSS) established in the Santa Barbara Channel and transit through an area to the south of San Miguel, Santa Rosa, and Santa Cruz Islands (referenced herein as "south of the Channel Islands"). As such, the Los Angeles / Long Beach Harbor Safety Committee has published voluntary western traffic lanes for vessels approaching and departing the Ports of Los Angeles and Long Beach. Mariners transiting through the western and northern approaches to and from the Ports of Los Angeles and Long Beach (LA/LB) are advised that the established TSS through the Santa Barbara Channel as shown on NOAA and Admiralty charts is the only International Maritime Organization (IMO) approved routing measure in this area. An IMO approved TSS reduces the risk of collision by providing for the separation of arriving and departing traffic and minimizing potentially hazardous crossing situations. Mariners, who have traditionally used this approved TSS, are encouraged to continue to do so. For additional information please see MSIB Voluntary Traffic Lane 11-09.pdf in the Enclosures Section.

LNM: 43/09

**U.S COAST GUARD NAVIGATION RULES**

Changes to the U.S. Coast Guard August 2014 Navigation Rules and Regulations Handbook are now available. See NAVRULESCorrections48-15.pdf in the enclosure section for more details.

LNM: 48/15

**USCG NATION-WIDE AUTOMATIC IDENTIFICATION SYSTEM (NAIS) NETWORK TESTING**

On August 10, 2015, the U.S. Coast Guard began AIS Application Specific Message (AIS-ASM) testing. The test transmissions occur between 0001-2359Z, 7 days/week. The test messages can be identified by their Maritime Mobile Service (MMSI) number: 300669139 or 00366613 and by the words "USCG TEST" within the contents of the message. Mariners are requested to contact the USCG Navigation Center at 1-703-313-5900 or TIS-PF-NISWS@uscg.mil with any questions, comments, or to report any safety and/or operational impacts caused by this testing.

Application Specific Messages to be tested include: messages 6, 8, 25, and 26, DAC=367, FI's=22, 29, 33, 35; AIS Safety Related Text (SRM) messages: 8 (DAC=001, FI=0) and 14. The messages will be of various lengths, using repetitions of the text "USCG TEST". For further information on AIS messages, DACs, and FI's visit <http://www.navcen.uscg.gov/?pageName=AISMessages>

LNM: 31/15

**Vessel Traffic Service Study**

The National Transportation Safety Board's Safety Research Division is conducting a study to assess the effectiveness of Vessel Traffic Service (VTS) systems operated by the U.S. Coast Guard and is seeking feedback from waterway users that operate within a U.S. Coast Guard VTS Area. For directions on how to provide feedback, please go to [http://www.nts.gov/safety/safety-studies/Pages/VTS\\_Safety\\_Study.aspx](http://www.nts.gov/safety/safety-studies/Pages/VTS_Safety_Study.aspx) or call (202) 314-6175.

LNM: 43/15

**SECTION II - DISCREPANCIES**

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

**DISCREPANCIES (FEDERAL AIDS)**

| LLNR | Aid Name  | Status           | Chart No. | BNM Ref.   | LNM St | LNM End |
|------|---|------------------|-----------|------------|--------|---------|
| 1    | Dart Tsunami Warning Lighted Buoy Station 46412 | OFF STA          | 18022     | SD-0103-15 | 37/15  |         |
| 5    | Point Loma Light                                | REDUCED INT      | 18773     |            | 52/14  |         |
| 365  | Mile Rocks Light                                | LT EXT           | 18649     | 0585-13    | 52/13  |         |
| 365  | Mile Rocks Light                                | SS INOP          | 18649     | SF-0096-14 | 25/14  |         |
| 455  | Noyo Approach Lighted Whistle Buoy NA           | OFF STA          | 18626     | HB-0020-15 | 51/15  |         |
| 510  | NOAA Environmental Lighted Buoy 46006           | ADRIFT           | 501       | 0013-13    | 02/13  |         |
| 1500 | San Diego Bay Entrance Range Front Light        | DAYMK DMGD       | 18773     | SD-0062-15 | 24/15  |         |
| 2470 | Newport Bay Channel Light 11                    | STRUCT DEST/TRLB | 18754     | LA-0176-15 | 50/15  |         |
| 2805 | Anaheim Bay East Jetty Light 6                  | TRLB/STRUCT DEST | 18749     | LA-0108-14 | 35/14  |         |
| 3856 | Morro Bay Channel Lighted Buoy 4A               | MISSING          | 18703     | LA-0180-15 | 51/15  |         |
| 4245 | Mile Rocks Light                                | LT EXT           | 18649     | 0585-13    | 52/13  |         |

|             |   |                                       |              |                   |              |
|-------------|---|---------------------------------------|--------------|-------------------|--------------|
| 4245        | Mile Rocks Light                                  | SS INOP                               | 18649        | SF-0096-14        | 25/14        |
| 5180        | Redwood Creek Entrance Light 2                    | TRLB/STRUCT DEST                      | 18652        | SF-0153-15        | 34/15        |
| 5410        | San Francisco Bay North Channel Lighted Buoy A    | TMK MISSING                           | 18649        |                   | 44/15        |
| 6165        | Napa River Light 8                                | MISSING/TRLB                          | 18654        | SF-0123-14        | 34/14        |
| <b>6325</b> | <b>Suisun Bay North Channel Light 2</b>           | <b>MISSING/TRLB</b>                   | <b>18657</b> | <b>SF-0240-15</b> | <b>01/16</b> |
| 6557        | Suisun Bay Channel Light 24A                      | TRLB/STRUCT DEST                      | 18666        | 0389-13           | 35/13        |
| 6630        | New York Slough Light 7                           | TRLB/STRUCT DMGD                      | 18659        | 0468-13           | 42/13        |
| 6645        | New York Slough Light 11                          | TRLB/STRUCT DEST                      | 18659        | SF-0014-14        | 02/14        |
| 6760        | San Joaquin River Light 25                        | STRUCT DMGD/TRLB                      | 18660        | SF-0083-15        | 21/15        |
| 6855        | San Joaquin River Light 46                        | LT EXT/DAYMK MISSING/STRUCT DMGD/TRLB | 18660        | SF-0236-15        | 51/15        |
| 6865        | San Joaquin River Light 47                        | TRLB/STRUCT DEST                      | 18660        | SF-0113-15        | 26/15        |
| 7510        | Sacramento River Deep Water Ship Channel Light 67 | TRLB/DAYMK MISSING                    | 18662        | 0565-13           | 50/13        |
| 7885        | Bodega Harbor Channel Daybeacon 22                | TRUB/STRUCT DEST                      | 18643        | 0669-12           | 01/13        |
| 7960        | Bodega Harbor Channel Range D Front Light 37      | REDUCED INT                           | 18643        | SF-0237-15        | 51/15        |
| 7990        | Bodega Harbor Channel Daybeacon 44                | MISSING/TRUB                          | 18643        | SF-0230-15        | 50/15        |
| 8085        | Noyo River Entrance Lighted Bell Buoy 2           | OFF STA                               | 18626        | HB-0017-15        | 50/15        |
| 8090        | Noyo River Entrance Lighted Buoy 3                | OFF STA                               | 18626        | HB-0021-15        | 51/15        |
| 8135        | Humboldt Bay Lighted Bell Buoy 2                  | OFF STA                               | 18622        | HB-0018-15        | 50/15        |
| 8320        | Hookton Channel Light 8                           | TRLB/STRUCT DEST                      | 18622        | HB-0036-14        | 47/14        |
| 8415        | Lake Tahoe Lighted Danger Buoy B                  | LT EXT                                | 18665        | SF-0232-15        | 51/15        |

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|------|----------|--------|-----------|----------|--------|---------|
|------|----------|--------|-----------|----------|--------|---------|

None

**DISCREPANCIES (PRIVATE AIDS)**

| LLNR | Aid Name   | Status             | Chart No. | BNM Ref.   | LNM St | LNM End |
|------|--|--------------------|-----------|------------|--------|---------|
| 2980 | Queen Mary Cruise Terminal South Light             | LT EXT             | 18751     |            | 50/15  |         |
| 2985 | Queen Mary Cruise Terminal North Light             | LT EXT             | 18751     |            | 50/15  |         |
| 4401 | Richardson Bay Daybeacon 8                         | DAYMK IMCH         | 18653     | SF-0125-15 | 29/15  |         |
| 4411 | Richardson Bay Daybeacon 20                        | DAYMK IMCH         | 18649     | SF-0126-15 | 29/15  |         |
| 4674 | Oakland Inner Harbor Shallow Water Habitat Light B | LT EXT/STRUCT DMGD | 18650     | SF-0235-15 | 51/15  |         |

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

| LLNR   | Aid Name                                | Status            | Chart No. | BNM Ref.   | LNM St | LNM End |
|--------|---|-------------------|-----------|------------|--------|---------|
| 4303.1 | San Francisco Marina West Basin Light 2 | WATCHING PROPERLY | 18650     | SF-0193-15 | 44/15  | 01/16   |
| 4305   | San Francisco East Yacht Harbor Light 2 | WATCHING PROPERLY | 18650     | SF-0212-15 | 46/15  | 01/16   |
| 5520   | Corte Madera Channel Light 2            | WATCHING PROPERLY | 18649     | SF-0224-15 | 48/15  | 01/16   |

**PLATFORM DISCREPANCIES**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
|------|--------|----------|----------|--------|---------|

None

**PLATFORM DISCREPANCIES CORRECTED**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
|------|--------|----------|----------|--------|---------|

None

**SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED**

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the

new position.

**TEMPORARY CHANGES**

| LLNR   | Aid Name  | Status       | Chart No. | BNM Ref.   | LNM St | LNM End |
|--------|---|--------------|-----------|------------|--------|---------|
| 275    | NOAA Environmental Lighted Buoy 46028           | DISCONTINUED | 18700     |            | 45/15  |         |
| 296    | NOAA Environmental Lighted Buoy 46044           | DISCONTINUED | 18680     | SF-0068-15 | 18/15  |         |
| 448    | Dart Tsunami Warning Lighted Buoy Station 46411 | DISCONTINUED | 18010     | HB-0001-15 | 01/15  |         |
| 2289.3 | Scripps Del Mar Lighted Research Buoy           | DISCONTINUED | 18765     | NONE       | 17/15  |         |

**TEMPORARY CHANGES CORRECTED**

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|------|----------|--------|-----------|----------|--------|---------|
|------|----------|--------|-----------|----------|--------|---------|

None

**PLATFORM TEMPORARY CHANGES**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
|------|--------|----------|----------|--------|---------|

None

**PLATFORM TEMPORARY CHANGES CORRECTED**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
|------|--------|----------|----------|--------|---------|

None

**SECTION IV - CHART CORRECTIONS**

None

**SECTION V - ADVANCE NOTICES**

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

| <u>Approved Project(s)</u> | <u>Project Date</u> | <u>Ref. LNM</u> |
|----------------------------|---------------------|-----------------|
| None                       |                     |                 |

Advance Notice(s)

**LA/LB-LED CONVERSION**

The U.S. Coast Guard is planning to permanently change Point Vicente Light (LLNR 170) to an LED with a 14nm range. Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18020 18022 18740 18746 LNM: 34/15

**SACRAMENTO RIVER-ATON DISCONTINUANCE**

The U.S. Coast Guard is planning to discontinue Sacramento River Deep Water Ship Channel Light 67 (LLNR 7510). Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Chart 18662 LNM: 33/14

**SAN FRANCISCO BAY-AIS UPGRADE**

The U.S. Coast Guard is planning to add a Physical AIS (Automatic Identification System) to the following aids:

- Shouthampton Shoal Channel Lighted Buoy 1 (LLNR 5640)
- Shouthampton Shoal Channel Lighted Buoy 2 (LLNR 5645)

A Physical AIS will be added onto the existing physical aid to navigation. Vessels with AIS capable systems will be able to see the symbology and other information on their displays. For more information about AIS, Mariners can go to the U.S. Coast Guard Navigation Center website page <http://www.navcen.uscg.gov/?pageName=AISmain>.

**SAN FRANCISCO BAY-CARQUINEZ STRAIGHT-ATON DISCONTINUANCE**

The U.S. Coast Guard is planning to discontinue Carquinez Light 22 (LLNR 6235). Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18652 18656 18657

LNM: 09/15

**SAN FRANCISCO BAY-LED CONVERSION**

The U.S. Coast Guard is planning to change San Francisco Approach Lighted Whistle Buoy SF (LLNR 360) to an LED with a 4nm range. Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-5984 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18007 18020 18022 18640 18645 18649

LNM: 07/15

**SAN JOAQUIN RIVER-AID ESTABLISHMENT**

The U.S. Coast Guard is planning to permanently establish a lighted buoy on the east side of San Joaquin River across from San Joaquin River Light 56 (LLNR 6890). This aid will be established at approximate position: 38-04-07.54N 121-33-31.76W. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18660 18661

LNM: 16/15

**SECTION VI - PROPOSED CHANGES**

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

**PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT**

| <u>Proposed Project(s)</u>       | <u>Closing</u> | <u>Docket No.</u> | <u>Ref. LNM</u> |
|----------------------------------|----------------|-------------------|-----------------|
| None                             |                |                   |                 |
| <u>Proposed Change Notice(s)</u> |                |                   |                 |
| None                             |                |                   |                 |

**SECTION VII - GENERAL**

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

**ANAHEIM BAY-MARINE CONSTRUCTION**

R.E. Staite Engineering Inc. will conduct marine construction in Anaheim Bay at the Seal Beach Naval Weapons Station until 29 Feb 16. The work will consist of rebuilding Anaheim Bay Channel Lights 9 and 10 (LLNR 2820, 2825). Crane Barge RES 180 and tug ALAN G will be on site monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution and minimize wake in vicinity of the construction site. For more details or comments contact Project Manager Matt MacArthur at 619-233-0178.

Chart 18749

LNM: 51/15

**CALIFORNIA COAST-WHALES**

NOAA is asking for the public's help in tracking whales. If you see whales, record the date and location, number of whales, species (if known) and a description of the animals. Please email the information to whales@noaa.gov.

Please report collisions with whales, any observed injured whales, or dead whales to NOAA at 877-SOS-WHALE (877-767-9425) or to the U.S. Coast Guard on VHF-FM Chan. 16.

Whales are federally protected under the Endangered Species Act (16 U.S.C. 1538 et seq.), the Marine Mammal Protection Act (16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.).

Charts: 18007 18022

LNM: 49/14

**DANA POINT-MARINE CONSTRUCTION**

Dana Point Shipyard will be conducting marine construction in Dana Point Harbor at 33-27-37.85N 117-41-27.29W until April 2016. The operation consists of replacing existing docks and travel lift runway piers. Barge BMI-01 will be on site monitoring VHF-FM Chan. 16 and 78. Mariners are requested to transit the area with caution. For more details or comments contact Adam Gale at 949-347-2780.

Chart 18746

LNM: 45/15

**DELTA & RIVERS-DISCOVERY BAY-WERNER DREDGER CUT-BRIDGE**

ORWOOD RD BRIDGE REPLACEMENT- A temporary orange boom has been placed on the south side of the existing bridge to the north side of the

#### **DELTA & RIVERS-DISCOVERY BAY-WERNER DREDGER CUT-BRIDGE**

EBMUD pipeline bridge. The piers of the pipeline bridge and the piers of the existing Orwood Rd Bridge will be lighted at night with fixed red lights (see Orwood\_Lighting\_Diagram.pdf in enclosure section). A 17ft wide navigation channel has been established on the eastern portion of the project site for the transit of vessels. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18661

LNM: 25/15

#### **DELTA & RIVERS-SACRAMENTO-FISH TRAPPING OPERATIONS**

Pacific States Marine Fisheries Commission employees will be deploying fish traps from the west levee of the Sacramento River along South River Road into the Sacramento River until 31 May 16. Seven traps will be deployed between the upstream confluence of the Deep Water Channel and the Sacramento River, West Sacramento, CA, and the Freeport Bridge, Freeport, CA. Traps are fished within 45ft of the water/levee interface and so are not in the main navigation area of the river channel. The trap sites will be marked with two can buoys labeled danger and marked with reflective tape within 100ft of the trap location. The traps will be marked with a pair of crab trap buoys anchored to the trap itself to help mariners identify and avoid the specific trap location. CDFW Research vessels 22ft North River skiff and a 23ft Sea Ark skiff will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For further comments or details contact Brian Poxon at 916-372-1600 or Jonathan Nelson at 916-445-4506 or 916-708-2333.

Chart 18661

LNM: 44/15

#### **DELTA & RIVERS-THREE MILE SLOUGH-BRIDGE**

STATE ROUTE 160 DRAWBRIDGE- A containment system is installed on the underside of the drawbridge, reducing vertical clearance by 04ft until 10 Apr 16. The drawbridge is secured in the closed to navigation position and containment reducing vertical clearance by 4ft is installed across the entire bridge which is lighted at night by red lights. The lift span is scheduled to resume normal operation by 10 Apr 16. A drawbridge operator will remain on the bridge to communicate with mariners. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Chart 18661

LNM: 44/15

#### **HALF MOON BAY-SURF COMPETITION**

The Mavericks Surf Competition will take place from 0600-1800 on a not yet determined day between 01 Nov 15 through 31 Mar 16. During the day of the actual competition, the regulated areas for the Mavericks Surf Competition will be enforced. Except for persons or vessels authorized by the Coast Guard Patrol Commander, no person or vessel may enter or remain within regulated area. Upon the conclusion of the Mavericks Surf Competition, the regulated areas shall terminate. Notice of the specific enforcement date will be announced via Broadcast Notice to Mariners and issued in writing by the Coast Guard in a Boating Public Notice at least 24 hours in advance of competition day. For additional information, see Mavericks Surf Competition.pdf in the enclosure section.

Chart 18682

LNM: 45/15

#### **LONG BEACH-ANAHEIM BAY-DREDGING**

Curtin Maritime Corp will conduct dredging operations in Anaheim Bay within Huntington Harbour and Seal Beach until approximately 05 May 16. Dredging will take place Mon-Sat 12 hours per day. Dredged material will be transported to one of three disposal locations; LA-2 off shore disposal, Sunset Beach Near Shore, or pumped upland onto the Seal Beach National Wildlife Refuge (SBNWR). Material pumped upland onto the SBNWR will utilize a suction dredge with pipe floating outside of the navigational channel to the east side at approximately 33-43-43N 118-04-49W. All dredging operations will be enclosed with turbidity curtains attached to orange Norwegian buoys to aid mariners in visibly identifying the turbidity controls. Clamshell dredge DB 185-3, cutter head dredge CUTTER 1; scows LONG PT and ARROW PT; along with tugs BERNARDINE C, TAURUS, and BOB will monitor VHF-FM Chan. 13, 14, and 01. Mariners are requested to transit the area with caution, minimize wake, and make arrangements with dredge vessels prior to passing. For more details or comments contact Sam Bice at 206-550-3916 or Steve Chew at 562-666-6971.

Chart 18749

LNM: 51/15

#### **LONG BEACH-ANAHEIM BAY-TEMPORARY BUOY**

The U.S. Coast Guard has established a temporary lighted buoy at 33-43-33.809N 118-06-02.318W to mark the end of the damaged Anaheim Bay East Jetty. The buoy displays a FL Red 2.5s characteristic. It will be discontinued when Anaheim Bay East Jetty Light 6 (LLNR 2805) is reestablished. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Chart 18749

LNM: 48/14

#### **LONG BEACH-DREDGING**

Manson Construction Co. will conduct dredging operations at Port of Long Beach Pier J south access until approximately 14 Jan 16. Dredging work will occur in both 12 hour & 24 hour shifts at different times throughout the project duration. Scheduled work days are Mon-Sat and possibly Sunday. The dredged material will be disposed of at the Pier S Upland disposal site. Derrick barges VALHALLA and VULCAN; along with tugs JEFFREY M and ELMER M will be on site monitoring VHF-FM Chan. 13, 16, and 66. Each dredge's anchor will be marked with crown can. A light will be mounted to the upper portion of each crown can so that their position is visible after dark. Mariners are requested to transit the area with caution and minimize wake in the vicinity of the dredge site. For more details or comments contact Project Manager Eric Faria at 562-762-5396.

Chart 18751

LNM: 47/15

#### **LONG BEACH-MARINE CONSTRUCTION**

Connolly-Pacific Co. will conduct repairs to the Middle / Long Beach federal breakwater Mon-Fri during daylight hours until December 2016. Derrick barge LONG BEACH will place armor stone on damaged section of the Middle and Long Beach Breakwater and will use anchors to position itself along the breakwater to keep from the main channel. Tug DURANGO and derrick barge LONG BEACH will be on site monitoring VHF FM Chan. 13, 16, 73, 78, 79, and 79A. Mariners are requested to transit the area with caution. For more details or comments contact Ron Allard at 562-577-0814 or Luis Camacho at 562-577-0718.

Chart 18751

LNM: 45/15

#### **LOWER COLORADO RIVER-LAKE HAVASU-MARINE EVENT**

Havasu Boat and Ski Club will sponsor the 2016 Polar Bear Day event from 1200-1600, 09 Jan 16. The event will consist of participants choosing to either water ski or swim in Thompson Bay near the Nautical Inn. The swimmers and skiers will be located in different areas. The event will involve two boats taking skiers out in turns. Mariners are requested to transit the area with caution. For more detail or comments contact Bethany Hardin at 928-486-0106.

LNM: 51/15

#### **MARINA DEL REY-MARINE CONSTRUCTION**

Bellingham Marine Industries will be conducting marine construction activities within Basin G, Parcel 47 and 44, and Parcel 55 until 01 Jun 16. Project work will consist of pile driving and floating dock installation. Dock sections and piles will be transported to Basin G from the Marina del Rey Boat Launch Facility. A John S. Meek Barge will be on scene monitoring VHF-FM Chan 16. Mariners are requested to transit the area with caution. For more details or comments contact Mark Secrest at 360-904-0535.

Chart 18748

LNM: 32/15

#### **MONTEREY BAY-GEOPHYSICAL SURVEY**

The USGS Pacific Coastal and Marine Geology Science Center (PCMGSC) will be conducting a near shore geophysical survey off of Santa Cruz to Moss Landing until 31 May 16. The operations will be a bathymetric survey using a 200 kHz single beam echo sounder mounted two personal watercraft (jet ski). For more details or comments contact Jenny White at 831-460-7485.

Chart 18685

LNM: 46/15

#### **MONTEREY BAY-ROV OPERATIONS**

Liquid Robotics, Inc. ([www.liquidr.com](http://www.liquidr.com)) is conducting continuous autonomous, unmanned maritime vehicle operations until 01 Feb 16. The Wave Glider vehicles will operate within 5nm of a line between the following coordinates:

36-50-59.66N 121-58-10.08W

36-58-24.36N 122-17-29.41W

37-41-43.28N 123-00-15.43W

The Wave Glider carries no fuel, lubricants, or hydrocarbons, is wave powered, remotely attended from our Wave Glider Operations Center (WGOC), moving at speeds of 1kt, and designed to give way or part if encountered by a vessel. It is a surfboard size, black in color, with a contact plaque and mast extending 1 meter above the water surface supporting a flag. Mariners are requested to transit the area with caution. For more details or comments contact Liquid Robotics Operations Center at 408-636-4205 or by email at [support@liquidr.com](mailto:support@liquidr.com).

Chart 18680

LNM: 47/15

#### **PETALUMA RIVER-BRIDGE**

U.S. 101 BRIDGE REPLACEMENT PROJECT- To facilitate pier removal, additional temporary cofferdams have been installed around the being-replaced bridge piers. The temporary cofferdams protrude into the channel approximately 4ft on each side reducing the horizontal clearance to 92ft. The corners of the temporary cofferdams are lighted at night with steady burning reds lights. A cofferdam extension on the southeast pier will reduce horizontal clearance in that portion of the channel by an additional 9ft leaving 83ft of horizontal clearance at the southeast pier. Heavy equipment tires are attached to the cofferdams to act as fendering. (See enclosure 101PierCofferdam at the end of this notice). Construction of the replacement bridge and demolition of the being-replaced bridge continues Mon-Fri during daylight hours, and should be completed by February 2016. Caltrans has installed cofferdams behind the existing pier protection to facilitate substructure construction. The southeast cofferdam encroaches approximately 1ft into the navigation channel. The southeast and northwest cofferdams protrude upstream and downstream of the existing pier protection and the corners are lighted at night with fixed red lights (see enclosure CofferdamLighting\_US101\_Petaluma.pdf at the end of this notice). For more details or comments please contact the Coast Guard Project Manager at 510-437-3515.

Chart 18654

LNM: 26/13

#### **PETALUMA RIVER-SHOALING**

Shoaling has been reported at the Haystack Landing Railroad Bridge in Petaluma. The shoaling extends from the bridge pier on the north bank of the river, 80ft downstream and 140ft upstream from the bridge. The shoaling extends approximately 25ft into the channel. Mariners are requested to transit the area with caution. For more details or comments contact the District Bridge Administrator at 510-437-3516.

Chart 18654

LNM: 51/15

#### **PORTS OF LOS ANGELES/LONG BEACH-CERRITOS CHANNEL-BRIDGE**

REPLACEMENT SCHUYLER HEIM BRIDGE CONSTRUCTION - The main span of the being-demolished bridge has been removed and falsework removed from the channel.

Two temporary eastern trestles remain in place at the replacement bridge site. The main navigation span of the bridge, between the temporary trestles, provides 48.5ft of vertical clearance from the edge of the trestles to the lowest hittable part of the bridge and 75ft of horizontal clearance. The temporary trestles are lighted at night with fixed red lights (See Trestle\_Lighting\_Heim.pdf at the end of this notice). Portions of the eastern fenders on the existing bridge have been removed. The western portions of the fenders remain in place. Construction activities are taking place from 0700 to 1530, Mon-Fri until May 2017. For conditions at the bridge mariners can contact Caltrans at 213-792-5518, MCM Construction at 714-305-2725, or MCM Construction at 714-330-5370. Mariners are requested to transit the area with caution.

Chart 18749

LNM: 10/15

#### **SAN CLEMENTE ISLAND-SAFETY ZONES**

Mariners operating in the vicinity of San Clemente Island are reminded of the restricted waterway access surrounding San Clemente Island(33 CFR 165.1131; 33CFR 165.1141). Since the inception of the regulations, numerous safety zone violations have been processed by Coast Guard Sector San Diego. Safety Zone Incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancellations. Violators

### **SAN CLEMENTE ISLAND-SAFETY ZONES**

of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to \$40,000.00. Furthermore, if a mariner holds a Merchant Mariner Credential, suspension or revocation action may be pursued against the mariner's credential. For more details see MSSB 04-15 SCI Safety Zone.pdf in the enclosure section.

Chart 18762

LNM: 39/15

### **SAN DIEGO BAY-BRIDGE**

CORONADO BRIDGE- Scaffolding installed at Span 14-15, west of the west main navigational channel, reduces the vertical clearance by not more than 9ft and is lighted at night with red lights. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Chart 18773

LNM: 21/14

### **SAN DIEGO BAY-MARINE CONSTRUCTION**

R.E. Staitte Engineering Inc. will conduct marine construction operations at west berth of B Street Pier, Port of San Diego until 04 Apr 16. The work will consist of replacement and upgrade of the fender system at 32-43-02.8N 117-10-36.3W. Crane barge RES 150 will be on site monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution and minimize wake in vicinity of the construction site. For more details or comments contact Project Manager Randahl Hagen at 619-233-0178.

Chart 18773

LNM: 41/15

### **SAN DIEGO BAY-MARINE CONSTRUCTION**

Precon Marine Inc. will be conducting diving operations from a 80ft x 120ft spud barge in entrance channel to San Diego Bay between buoys 11 and 12 until 01 Apr 16. Specifically the work will be focused on the Magnetic Silencing Range located at 32-40-56N 117-13-48W. The operations consist of divers removing and replacing underwater sensors and cable in the channel just north of buoys 11 and 12. The DB CHESAPEAKE BAY will be on site monitoring VHF-FM Chan. 12 and 16. Mariners are requested to transit the area with caution and notify Precon Marine Tug Captain prior to transit. For more details or comments contact Captain Ingo Schlueter at 340-277-0986 or Matt Miller at 757-439-0216.

Chart 18773

LNM: 42/15

### **SAN DIEGO BAY-MARINE CONSTRUCTION**

R.E. Staitte Engineering Inc. will conduct marine construction in the waterfront of San Diego Bay at 32-41-21N 117-14-03W until 31 Mar 16. The work will consist of dredging and pile driving. DB POINT LOMA along with tugs KATHY C, HAROLD M, and CLARENCE D will be on site monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution and minimize wake in vicinity of the construction site. For more details or comments contact Project Manager Matt MacArthur at 619-233-0178.

Chart 18773

LNM: 50/15

### **SAN DIEGO BAY-SHIPYARD SEDIMENT SITE-DREDGING**

R.E. Staitte Engineering Inc. will be conducting sediment cleanup and dredging within the North Shipyard portion of the San Diego Shipyard Sediment Site until approximately 31 Mar 16. The project is located in the waterfront portion of San Diego Bay, eastward of 32-41-31N 117-08-51W and 32-41-27N 117-08-58W to the U.S. bulkhead line. Dredges DB PALOMAR, DB POINT LOMA, and RES 180 will be performing dredging operations with tugs KATHA C, KILLEEN and METOLA as well as support vessels JEANNIE R and JOHN DRAKE to assist the material and equipment barges to the work site. All will monitor VHF-FM Chan. 16. Mariners are requested to make arrangements with project vessels prior to passing, and proceed at a no wake speed. For more project details or comments contact Chad Carpenter at 619-233-0178.

Chart 18773

LNM: 34/14

### **SAN DIEGO-CORONADO CAYS CHANNEL-OBSTRUCTION TO NAVIGATION**

Coronado Cays Channel Marker Light 21 has been damaged and is partially submerged in the vicinity of the south end of East Island at 32-37-20.13N 117-07-39.63W. A temporary unlighted buoy is marking the area and intermittent diving operations are ongoing to correct the situation. Mariners are requested to transit the area with caution. For more details or comments contact Daniel Bick at 619-423-4353.

Charts: 18772 18773

LNM: 50/15

### **SAN DIEGO-CORONADO-MARINE CONSTRUCTION**

Marathon Construction will conduct pile driving and fender repair operations in the vicinity of Naval Base Coronado at 32-42-24.13N 117-11-13.24W until 01 Apr 16. The operations include concrete spall repair, pile driving, concrete demolition and fender system repair to wharfs Juliet, Kilo, Mike, November, Oscar, and Papa. Mariners are requested to transit the area with caution. For more details or comments, contact Jon Ruth at 619-962-1480.

Charts: 18772 18773

LNM: 47/15

### **SAN DIEGO-DEL MAR-LOS PEÑASQUITOS LAGOON-BRIDGE**

NORTH COUNTY TRANSIT DISTRICT RAILROAD BRIDGE- Work has begun to replace the existing railroad bridge. A temporary bridge has been erected alongside the existing bridge to facilitate construction of the replacement bridge. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18765

LNM: 31/15

### **SAN DIEGO-DEL MAR-SAN DIEGUITO RIVER-BRIDGE**

NORTH COUNTY TRANSIT DISTRICT RAILROAD BRIDGE- Maintenance work has begun on the bridge. A yellow boom will surround the bridge from the southern abutment to pier 27 to the north. Waterway users can transit the bridge north of the yellow boom. Mariners are requested to transit the area with caution. See NCTD enclosure at the end of this announcement for all temporary obstructions to navigation. For further information, mariners can contact the Coast Guard Project Manager at 510-437-3515.

**SAN DIEGO-DEL MAR-SAN DIEGUITO RIVER-BRIDGE**

Chart 18765

LNM: 33/15

**SAN DIEGO-IMPERIAL BEACH-WAVE MEASUREMENT STATION**

Scripps Institutions of Oceanography has deployed a waverider buoy 3.37nm west of Imperial Beach at 32-34-59N 117-12-12W. The buoy is a 3ft diameter sphere with an attached telemetry whip antenna and is lighted with a flashing yellow light. The light timing sequence is a series of 5 flashes at 1 second intervals with a period of 20 seconds between each series. Visual range is one kilometer. The buoy is painted yellow and marked "Wave Buoy" with the phone number 858-534-3032.

Chart 18772

LNM: 40/15

**SAN DIEGO-LA JOLLA-RESEARCH BUOY ARRAY**

Scripps Institution of Oceanography has deployed an array of research buoys off of Point La Jolla. There are six white spheres and six green cylinders, all submerged to depths varying from 18 inches to 16ft. The array is located within an area marked by yellow, radar reflective surface buoys lighted with a Fl Y 4s characteristic. The surface buoys are located at the following positions:

32-52-54.08N 117-16-09.61W  
 32-52-52.06N 117-16-14.85W  
 32-52-39.50N 117-16-20.48W  
 32-52-28.20N 117-16-08.06W  
 32-52-30.37N 117-16.02.32W  
 32-52-43.63N 117-16-01.82W

The buoys will remain on scene until further notice. Mariners are requested to remain clear of the array and transit the nearby area with caution. For more details or comments contact Lisa Hazard at 858-822-2873.

Chart 18740

LNM: 06/15

**SAN DIEGO-MARINE CONSTRUCTION**

Unified Port of San Diego will be conducting marine construction at 1050 North Harbor, San Diego at 32-42-34 117-10-24 until 17 Feb 16. The operation consists of maintenance work and improvements to the existing 2400 square foot concrete platform deck, install steel railing to the platform, repairs to the concrete pile, and construct concrete topping slab. Mariners are requested to transit the area with caution. For more details or comments contact Michael Stephenson at 858-875-2950.

Chart 18773

LNM: 45/15

**SAN DIEGO-SANTA BARBARA-GEOPHYSICAL SURVEY**

The USGS Pacific Coastal and Marine Geology Science Center (PCMGSC) will be conducting a geophysical survey off of Goleta to Point Mugu beaches until 31 Mar 16. The operations will be a bathymetric survey using a 200 kHz single beam echo sounder mounted on a personal watercraft (jet ski). Two personal watercraft will be used to conduct cross shore transects from within the surf zone out to 12nm from shore. At least one survey will be conducted near the beginning of the project period to document end-of-summer near shore bathymetric conditions prior to arrival of winter waves. Up to three additional surveys may be conducted in response to large wave and/or river discharge events if they occur. For more details or comments contact George Tate at 831-460-7484.

Chart 18022

LNM: 36/15

**SAN FRANCISCO BAY AND DELTA BRIDGES-FISH MONITORING**

UC Davis fish monitoring will be in progress during daylight hours at the piers of various San Francisco and Delta area bridges until 27 Jan 16. Monitoring will take place at the I-80 Carquinez Bridge, I-680 Benicia-Martinez bridges, and Hwy 160 Antioch Bridge on January 19, 20, and 21; and the Richmond-San Rafael Bridge on January 25, 26, and 27. The 25ft aluminum work skiff R/V TRACKER will be monitoring VHF-FM Chan. 16 and can be contacted in advance to make passing arrangements.

Charts: 18020 18640 18680

LNM: 52/15

**SAN FRANCISCO BAY-CARQUINEZ STRAIT-BRIDGE**

BENICIA/MARTINEZ I-680 HIGHWAY BRIDGE- A 160ft wide paint scaffolding installed in the second over water span from the north bank of the downstream I-680 bridge will remain in position until 31 Mar 16. The scaffolding reduces vertical clearance by approximately 4ft and is lighted at night with red lights. For more details or comments contact the District Bridge Administrator at 510-437-3516.

Chart 18657

LNM: 33/15

**SAN FRANCISCO BAY-DETERIORATING CONCRETE PILINGS**

Deteriorating concrete pilings above and below the waterline are present in the vicinity of the the south edge of the Southampton Shoal Light (LLNR 5480). Mariners are advised to use caution when transiting this area. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18649 18652

LNM: 23/15

**SAN FRANCISCO BAY-ISLAIS CREEK CHANNEL-MARINE CONSTRUCTION**

Dutra will conduct pile driving and concrete work on the south side of Islais Creek between the Illinois St. Bridge and the Third St. Bridge during daylight hours until April 2016. Crane barge KELSO will be on site monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Valerie Daley at 415-686-9417.

Chart 18650

LNM: 48/14

**SAN FRANCISCO BAY-OAKLAND INNER HARBOR-SHOALING**

Shoaling has been reported on the south side of the Oakland Inner Harbor South Channel in the east passage through the Fruitvale Ave. Bridge.

**SAN FRANCISCO BAY-OAKLAND INNER HARBOR-SHOALING**

Mariners are requested to transit the area with caution and report any observed changes in shoaling conditions to the San Francisco VTS on VHF-FM Chan. 14. For more details or comments contact U.S. Coast Guard Sector San Francisco Waterways Management at 415-399-7443.

Chart 18652

LNM: 16/15

**SAN FRANCISCO BAY-OAKLAND-DREDGING**

Dutra Construction Company will be conducting continuous dredging operations in Oakland Inner and Outer harbor Channels at 37-55-19N 122-24-40W until 02 Feb 16. Dredged material will be disposed of at the Montezuma Wetlands restoration site. Clamshell dredges DB 24 and BEAVER along with tugs SARAH REED, ARTHUR BRUSCO, HEIDI L. BRUSCO and BECKY T will be on site monitoring VHF-FM Chan. 13, 14, and 82. Mariners are requested to transit the area with caution. For more details or comments contact Dredge Operations Manager Dennis Salyers at 415-497-5289.

Chart 18649

LNM: 49/15

**SAN FRANCISCO BAY-OAKLAND-SUNKEN VESSEL**

A sunken 56ft vessel has been reported in the vicinity of 5th Ave. Marina, Oakland at 37-47-18.91N 122-15-51.60W. Approximately 2ft to 4ft of the vessel's mast is out of the water and also marked by a quick flashing green light. Mariners are requested to transit the area with caution.

Chart 18652

LNM: 39/15

**SAN FRANCISCO BAY-REDWOOD CITY-DREDGING**

R. E. Staite Engineering Inc. will be conducting continuous dredging operations in the Port of Redwood City at 37-32-12.25N 122-11-24.45W until 14 Jan 16. Dredged material will be disposed of at the SF-DODS disposal site and/or Montezuma disposal site. Clamshell dredges DB 24 and PALOMAR; along with tugs ARTHUR BRUSCO and HEIDI L will be on site monitoring VHF-FM Chan. 13, 14, 16, and 82. Mariners are requested to transit the area with caution. For more details or comments contact Project Manager Walt Jellison at 619-233-0178.

Chart 18651

LNM: 45/15

**SAN FRANCISCO BAY-RICHMOND-DREDGING**

Manson Construction Co. is conducting continuous dredging operations in Richmond Channel at 37-54-14.71N 122-22-30.18W until 16 Jan 16. Tug PETER M; dredge VALHALLA; derrick barge NJORD; along with 02 scows FREEPORT and SOUTHPORT will be on site monitoring VHF-FM Chan. 12, 13, 14, 16, and 66. Dredged material will be disposed of at the SF-DODS disposal site. Mariners are requested to transit the area with caution and minimize wake in vicinity of the dredge site. For more details or comments contact Project Manager Eric McMann at 510-774-8396.

Chart 18649

LNM: 44/15

**SAN FRANCISCO BAY-SAN FRANCISCO FERRY TERMINAL-CONSTRUCTION**

Manson Construction will be installing a marine barrier in the vicinity of San Francisco Ferry Plaza at 37-47-49N 122-23-21W until 30 Aug 16. Mariners are requested to transit the area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585.

Chart 18650

LNM: 37/15

**SAN FRANCISCO BAY-SAN FRANCISCO MARINA-SHOALING**

Shoaling has been reported extending from the south side of the North Jetty at the entrance to San Francisco Marina. An unlighted white buoy has been established at 37-48-30N 122-26-23W in 9ft of water to mark the shifting shoal. The northern entrance is subject to rapid shoaling and should be avoided due to unknown depths. It is recommended that vessels transiting the marina enter and exit from the south side of the floating wave attenuator. Mariners are requested to transit the area with caution. For more details or comments contact Lawrence O'Donnel at 415-831-6322.

Chart 18649

LNM: 11/15

**SAN FRANCISCO BAY-SAN PABLO BAY-PINOLE SHOAL- DREDGING**

Manson Construction Co. will conduct continuous dredging operations in Pinole Shoal Channel at 38-03-17N 122-18-11W from until 13 Jan 16. Tug PETER M and derrick barge NJORD will be on site monitoring VHF-FM Chan. 13, 14, and 16. Dredged material will be disposed of at the Montezuma Wetland Project disposal site. Mariners are requested to transit the area with caution and minimize wake in vicinity of the dredge site. For more details or comments contact Project Manager Eric McMann at 510-774-8396.

Chart 18654

LNM: 52/15

**SAN FRANCISCO BAY-SOUTH BAY-POWER LINE REPAIR**

Power line repairs will be conducted near the Dumbarton Bridge at 37-30-39N 122-06-46W from 0730 to 1800 daily until 31 Jan 16. Mariners are requested to transit the area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585.

Chart 18651

LNM: 34/15

**SAN FRANCISCO BAY-SUISUN BAY**

A 500ft section of unlighted floating dock has been reported adrift in Spoonbill creek between Van Sickle Island and Chips Island. Mariners are requested to transit the area with caution and report any sightings to the San Francisco Vessel Traffic Service via VHF-FM Chan. 14.

Chart 18659

LNM: 25/15

**SAN FRANCISCO BAY-SUISUN BAY-MARINE CONSTRUCTION**

Cherne Contracting Corporation will be conducting marine construction operations on the Tesoro Avon Wharf in Suisun Bay at 38-02-56N 122-05-27W until July 2016. The work will include the construction of a new Berth 1A and replacement of the existing trestle between the wharf and land. Two temporary mooring buoys have been established at 38-03-5.76N 122-06-29.5W and 38-03-51.4N 122-06-32.6W. Derrick barges VANCOUVER and GENERAL; along with multiple flat barges will be on site monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with

### **SAN FRANCISCO BAY-SUISUN BAY-MARINE CONSTRUCTION**

caution and minimize wake in the vicinity of the construction site. For more details or comments contact Glenn Olson at 253-377-4078.

Chart 18656

LNM: 28/15

### **SAN FRANCISCO BAY-VALLEJO-MARE ISLAND STRAIT-MARINE CONSTRUCTION**

Dutra Construction Company will conduct marine construction at the Mare Island Ferry Terminal at 38-06-06N 122-16-08W through April 2016. Project work will consist of pile driving and floating dock installation. Crane barge MORTY or KELSO will be on site monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution and minimize wake when transiting near the construction site. For more details or comments contact Stephen Hutchison at 415-254-4410.

Chart 18655

LNM: 29/15

### **SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)**

SAN FRANCISCO/OAKLAND BAY BRIDGE-EAST OF YBI -A Safety Zone has been established from 500 feet west of pier "H" and extends east to the Oakland shoreline. (see 2015-2017 East SFOBB Safety Zone in enclosure section) This safety zone has been established to protect mariners from the dangers associated with pier removal, over-head demolition and debris removal operations of the SFOBB. All vessels passing through the bridge east of YBI should use the "G-H" span, 500 feet west of pier "H" until demolition of the rest of the bridge is complete. Unauthorized persons or vessels will be prohibited from entering into, transiting through, or remaining in the safety zone without permission of the Captain of the Port or their designated representative. Temporary falsework towers have been removed down to the base from span "H" -"I". Red lights will mark the upstream and downstream portion of the bases until removal. (see temp\_falsework.pdf in enclosure section) Barges may be moored to piers "H", and "I" with the outboard corners lit at night with red lights. (see barge\_lighting.pdf in enclosure section.) A 180 X 60 ft crane barge, 220 X 60 ft spud barge and 140 X 70 flexifloat may be anchored on any side of piers "H" and "I" with anchor lines extending up to 700 ft NW, SW, NE, and SE of the moorings. (see Barge\_Anchor\_Diagram\_02.pdf in enclosure section). For details at the work site, mariners may contact Caltrans at 510-385-7084 or the Contractor at 925-250-1298. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18650

LNM: 43/08

### **SAN FRANCISCO-OCEAN BEACH-GEOPHYSICAL SURVEY**

The USGS Pacific Coastal and Marine Geology Science Center (PCMGSC) will be conducting a geophysical survey off of Ocean Beach during daylight hours until 25 Mar 16. The operations to be conducted will be a bathymetric survey using a 200 kHz single beam echo sounder mounted on a personal watercraft (jet ski). Up to three 1 day surveys will be conducted at approximately at monthly intervals, as weather and project scheduling permits. At a minimum, one survey will be conducted near the beginning of the time interval, with up to two additional surveys to document the changes in seafloor morphology related to seasonal storms and El Nino Seasonal Oscillations. For more details or comments contact Jenny White at 831-460-7544.

Chart 18680

LNM: 51/15

### **SAN FRANCISCO-SUISUN BAY-MONTEZUMA SLOUGH-SUISUN MARSH-LOCK OPERATIONS**

The California Department of Water Resources is operating the boat lock from 0700-1700 daily until 31 May 16, and will monitor VHF-FM Chan. 13 during operating hours at the Suisun Marsh Salinity Control Structure maintenance channel at 38-05-36N 121-53-07W. All vessels requiring passage in either direction must use the boat lock. The boat lock signal is a standard traffic light. Whistle signals to request opening are two prolonged blasts followed by two short blasts. Full instructions on passage including an emergency phone number are posted on site. The boat lock is located on the east side of the channel and provides the following clearances: 16ft horizontally; 9ft over the sill at MLLW; 70ft in length between sector gates; and no vertical impairment. The piers will be marked by fixed red lights, and other parts of the structure will be marked by fixed yellow lights.

Mariners should be aware a shoal area exists along the east bank on both sides of the structure extending approximately 50ft out from the existing levee. Marker buoys have been placed to identify the area. Mariners are also advised that the Salinity Control Structure operations can, at times, create currents at the site greater than currents in other areas of Montezuma Slough. Mariners are requested to transit the area with caution. For more details or comments contact Dan Yamanaka at 916-574-0456.

Chart 18656

LNM: 34/15

### **SANTA CRUZ-SHOALING**

The harbormaster's office in Santa Cruz has reported significant shoaling in the entrance to Santa Cruz due to recent weather events. Mariners are advised to exercise caution when operating in this area as actual water depths may vary from charted depths.

Chart 18685

LNM: 50/15

### **SOUTHERN CALIFORNIA-COLORADO RIVER AT NEEDLES-DIVING OPERATIONS**

Er-Con Technologies will conduct diving operations on the Questar Southern Trails Pipeline river crossing at 37-54-10N 114-36-19W during daylight hours from 07-31 Jan 16. The AQUA BARGE II will be on scene monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Harry Tate at 979-299-8861.

LNM: 52/15

### **VENTURA HARBOR-SHOALING**

There has been a report of increased shoaling protruding approximately 25 yds into the channel at mean low water of 12ft bearing 270 magnetic from Ventura Marina South Jetty Light 6 (LLNR 3700). Ventura Marina Buoy 4A has been temporarily established at 34-14-47.068N 119-16-16.055W to mark the shoaling.

Chart 18725

LNM: 43/15

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**SECTION VIII - LIGHT LIST CORRECTIONS**

An Asterisk \*, indicates the column in which a correction has been made to new information

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| (1)<br>No. | (2)<br>Name and Location | (3)<br>Position | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure | (8)<br>Remarks |
|------------|--------------------------|-----------------|-----------------------|---------------|--------------|------------------|----------------|
| None       |                          |                 |                       |               |              |                  |                |

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**PUBLICATION CORRECTIONS**

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None

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**ENCLOSURES**

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**SOUTHERN CALIFORNIA-MARINE SAFETY INFORMATION BULLETIN**[MSIB Voluntary Traffic Lane 11-09.pdf](#)

See link above.

LNM: 09/10

**REPORT OF DELAY AT DRAWBRIDGE**[DelayRept0207.pdf](#)

Use link above to Report a Delay at a Drawbridge.

LNM: 06/07

**PETALUMA RIVER-BRIDGE**[CofferdamLighting\\_US101\\_Petaluma.pdf](#)    [101PierCofferdam.pdf](#)

See link above for Cofferdam Lighting Diagram

LNM: 26/13

**SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)**[temp\\_falsework.pdf](#)    [barge\\_lighting.pdf](#)    [Barge\\_Anchor\\_Diagram\\_02.pdf](#)    [2015-2017\\_East\\_SFOBB\\_SafetyZone.pdf](#)

See links above to view Safety Zone, Westar crane barge location diagram, temporary falsework lighting, barge mooring diagram, and anchor diagram during demolition.

Chart 18649

LNM: 24/15

**WERNER DREDGER CUT-ORWOOD BRIDGE REPLACEMENT PROJECT**[Orwood\\_Lighting\\_Diagram.pdf](#)

See Link Above

Chart 18661

LNM: 25/15

**MARINE SAFETY AND SECURITY BULLETIN**[MSSB 005-14 Safety Advisory.pdf](#)

See link above.

LNM: 49/15

**SAN CLEMENTE ISLAND SAFETY ZONE**[MSSB 04-15 SCI Safety Zone.pdf](#)

See above link.

LNM: 39/15

**CHANGE TO USCG NAV RULES**[NAVRULESCorrections 48-15.pdf](#)

See link above.

LNM: 48/15

**PORTS OF LOS ANGELES/LONG BEACH-CERRITOS CHANNEL-BRIDGE**[Trestle\\_Lighting\\_Heim.pdf](#)

See Link Above

LNM: 45/11

**MARINE SAFETY INFORMATION BULLETION**

[MSIB 15-07.pdf](#)

See link above.

LNM: 47/15



**DIEGO-DEL MAR-SAN DIEGUITO RIVER-BRIDGE**

[NCTD\\_RR\\_Bridge\\_San\\_Dieguito\\_River.pdf](#)

See link above.

LNM: 33/15

Chart 18765

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THE LOCAL NOTICE TO MARINERS IS AVAILABLE ON THE WORLD WIDE WEB AT [WWW.NAVCEN.USCG.GOV/](http://WWW.NAVCEN.USCG.GOV/).

A. E. Wirts  
U.S. Coast Guard  
Acting Waterways Management Branch



# U. S. Coast Guard Sector Los Angeles – Long Beach

## MARINE SAFETY INFORMATION BULLETIN 11-09

### **Los Angeles / Long Beach Harbor Safety Committee Voluntary Western Traffic Lanes**

There has been a recent trend in traffic patterns where some vessel operators are choosing to depart the Traffic Separation Scheme (TSS) established in the Santa Barbara Channel and transit through an area to the south of San Miguel, Santa Rosa and Santa Cruz Islands (referenced herein as “south of the Channel Islands”). As such, the Los Angeles / Long Beach Harbor Safety Committee has published voluntary western traffic lanes for vessels approaching and departing the Ports of Los Angeles and Long Beach.

Mariners transiting through the western and northern approaches to and from the Ports of Los Angeles and Long Beach (LA/LB) are advised the established TSS through the Santa Barbara Channel as shown on NOAA and Admiralty charts is the only International Maritime Organization (IMO) approved routing measure in this area. An IMO approved TSS reduces the risk of collision by providing for the separation of arriving and departing traffic and minimizing potentially hazardous crossing situations. Mariners, who have traditionally used this approved TSS, are encouraged to continue to do so.

### **Voluntary Western Traffic Lanes**

To address the safety concerns created by increased traffic south of the Channel Islands, on October 6, 2009, the Los Angeles/Long Beach Harbor Safety Committee (LA/LB HSC) endorsed voluntary traffic lanes in the area south of the Channel Islands (referenced herein as “voluntary western traffic lanes.”). The new voluntary western traffic lanes are not approved by the IMO, nor are they approved by any U.S. federal authority, including the U.S. Coast Guard. The LA/LB HSC developed these lanes as a voluntary measure to promote vessel safety. The Coast Guard is taking separate action to study the increased traffic in this area.

The geographical coordinates for the voluntary western traffic lanes are published by the LA/LB HSC secretary at <http://www.mxsocal.org/Blogs/24/Voluntary-Routing-Zones.aspx>.

**Pacific Missile Test Range, Point Magu**

Departing the IMO approved TSS and transiting south of the Channel Islands may result in delays and diversions, as this transit will take vessels through the Pacific Missile Test Range, Point Mugu, California. **The U.S. Navy advises that hazardous operations may take place within the test range.** The test range extends for 180 miles in a South West direction from Point Mugu and is up to 210 miles wide. The specific hazardous areas within the range are broadcast by the Navy daily Monday through Friday at 0900 and 1200 on 2638 kHz and 2738 kHz. When notified by the Navy, the Coast Guard also broadcasts this information on VHF-FM channel 16.

When transiting south of the Channel Islands (inbound or outbound to the Ports of Los Angeles and Long Beach), all mariners should communicate with Navy PLEAD CONTROL in a timely manner so that early decisions can be made regarding safe routing. Every effort should be made to comply fully with any instructions received from the Navy. For information regarding the status of current hazardous operations contact “PLEAD CONTROL” on VHF Marine channel 11 or 16, or at (805) 989-8841/8843 from 0600-1800, and at (805) 816-0792 after 1800. If you are unable to contact “PLEAD CONTROL”, contact “SAN PEDRO TRAFFIC” on VHF-FM channel 14 or (310) 832 6411 for the most recent information regarding hazardous military operations.

The Navy requests all vessels transiting the range to submit a notification to PLEAD CONTROL indicating the vessel name, destination, and estimated time of entry into, and departure from, the test range. Notifications can be faxed to (805) 989-0102.

### **Whales**

Mariners are further reminded that large whales, including Blue, Grey, Humpback, and Fin whales, as well as other marine mammals, have been sighted in and around the Santa Barbara Channel, both within the TSS as well as to the south of the Channel Islands. These whales are all protected under federal law and some are listed as endangered species. Please report any collisions with whales or any observed live, injured, or dead whales, including time and position, to the National Oceanographic and Atmospheric Administration (NOAA) at 877-SOS-WHALE (877-767-9425) or the Coast Guard.

### **Recreational and Fishing Vessels**

The area to the south of the Channel Islands is also used by both commercial fishing vessels and recreational vessels, whose operators may not be aware of the new voluntary western traffic lanes or that ship traffic has recently increased in this area. Since the new voluntary western traffic lanes are not an IMO approved traffic separation scheme, the International Regulations for Avoiding Collisions at Sea (COLREGS) Rule 10 does not apply.

### **Questions**

Questions relating to the voluntary western traffic lanes should be directed to the LA/LB HSC Secretary at (310) 832-6411.

**U.S. COAST GUARD  
REPORT OF DELAY AT DRAWBRIDGE  
PER 33 CFR 117.5**

BRIDGE NAME \_\_\_\_\_ DATE \_\_\_\_\_

MILE \_\_\_\_\_ WATERWAY \_\_\_\_\_

1. Name/ Type of Vessel \_\_\_\_\_ Direction of Travel \_\_\_\_\_

2. Vessel Owner (Name) \_\_\_\_\_  
(Address) \_\_\_\_\_

3. Name of Pilot (if applicable) \_\_\_\_\_  
(Address) \_\_\_\_\_

4. Time vessel signaled for bridge opening \_\_\_\_\_

5. Location of vessel when signal was given \_\_\_\_\_

6. Time and location of vessel when delay began \_\_\_\_\_

7. Method of signal for bridge opening ( ) Radio ( ) Sound ( ) Visual  
(If sound or visual signal was used, specify \_\_\_\_\_)

8. Time bridge operator acknowledged signal \_\_\_\_\_

9. Method of bridge operator acknowledgement ( ) Radio ( ) Sound ( ) Visual  
(If sound or visual signal was used, specify \_\_\_\_\_)

10. Did bridge operator acknowledgement indicate the bridge  
( ) Could be opened immediately  
( ) Could not be opened immediately

11. If land traffic crossed the bridge:  
Time land traffic started across the bridge \_\_\_\_\_  
Time land traffic stopped crossing the bridge \_\_\_\_\_  
Did land traffic stop on the bridge? \_\_\_\_\_  
Duration land traffic stopped on the bridge \_\_\_\_\_

12. Time drawbridge opened for navigation \_\_\_\_\_

14. Additional comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I certify the above information is true to the best of my knowledge and understand this statement may be used by the U.S. Coast Guard in levying fines against the bridge owner.

Signature \_\_\_\_\_

Telephone \_\_\_\_\_

Mariners may complete and send via fax or mail to:

USCG D11(dpw) Bridge Administration

Building 50-2

Coast Guard Island

Alameda, CA 94501-5100

**Cellular: (510) 219-4366**, Work Phone: (510) 437-3516

Work Fax: (510) 437-5836

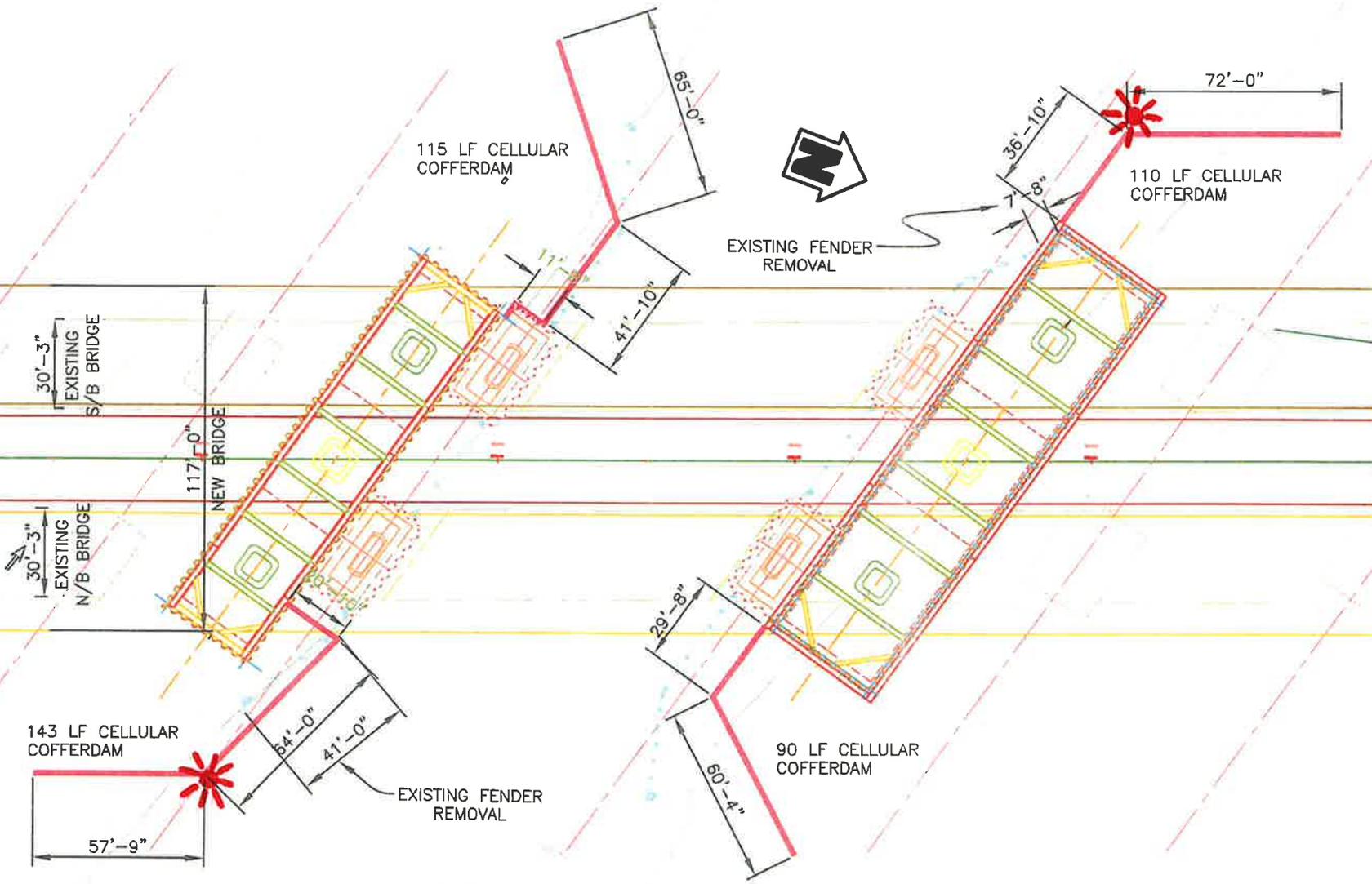
Mariners are reminded not to require bridge openings for appurtenances nonessential to navigation, per 33 CFR 117.11

# Cofferdam Lighting Diagram

## Replacement U.S. 101 Highway Bridge, Mile 12.5, Petaluma River

The corners of the northwest and southeast cofferdams shall be lighted at night with steady burning all round red lights, securely fastened, visible at 1,000 yards by approaching vessels.

P124204 R1 101 Petaluma River Bridge Structure Petaluma River CA Drawing Study Coast Guard Plan DWG. 3/30/2013 10:45:17 AM



PLAN  
SCALE: 1 : 50

| DESIGN BY     | REV | DATE | DESCRIPTION |
|---------------|-----|------|-------------|
| CC MYERS INC. |     |      |             |
| DRAWN BY:     |     |      |             |
| REVISIONS:    |     |      |             |
| SCALE:        |     |      |             |
| AS SHOWN      |     |      |             |

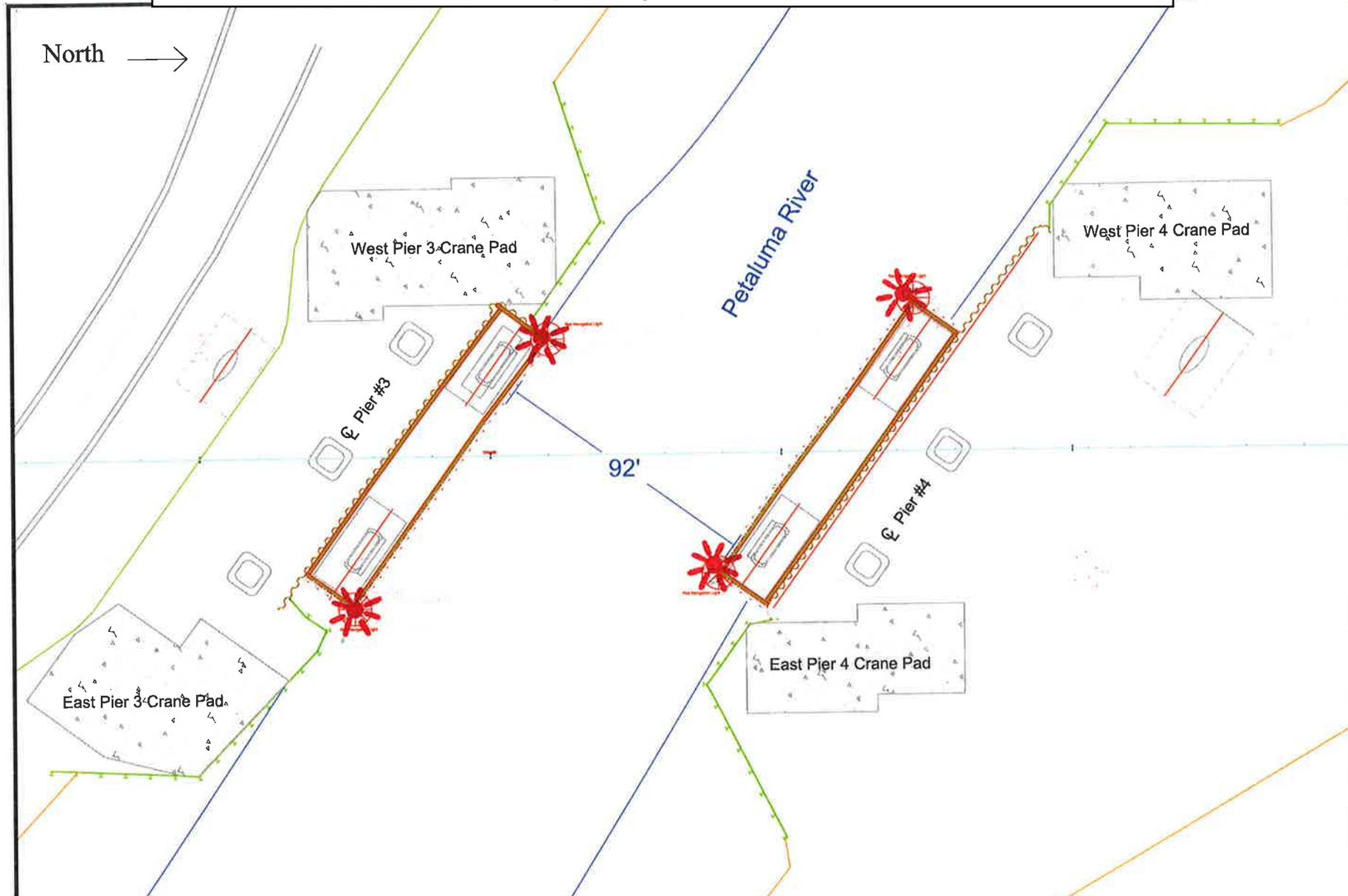
|  |  |
|--|--|
| CC MYERS INC.                                  |  |
|  |  |
| 3286 Fitzgerald Road, Rancho Cordova, CA 95742 |  |
| P.O. Box 2048, Rancho Cordova, CA 95741        |  |
| 916-635-9370 Fax 916-635-1527                  |  |

|  |                        |
|--|------------------------|
| PETALUMA RIVER BRIDGE                    | SHEET NUMBER:          |
| COAST GUARD GENERAL PLAN                 | 1                      |
| PROJECT: PETALUMA RIVER BRIDGE (REPLACE) | OP 1 SHEETS            |
| MYERS JOB NUMBER: 124                    | CONTRACT NO.: 04-26404 |

ENCLOSURE ( )

# U.S. 101 Highway Bridge Replacement Project Mile 12.5, Petaluma River **Temporary Cofferdam**



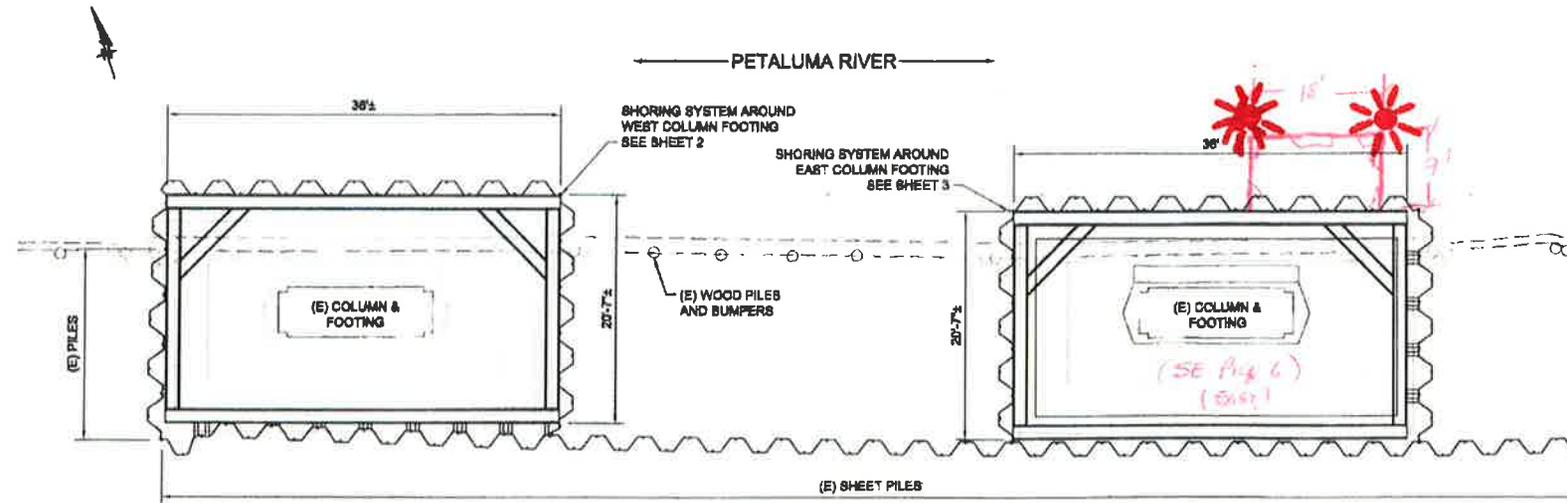
Temporary cofferdams will be installed to facilitate the removal of the being-replaced bridge piers. The cofferdams will protrude 4 feet into the channel on each side of the river reducing horizontal clearance at the bridge by 8 feet, leaving 92 feet of horizontal clearance at the work site. Each corner of the cofferdam will be lighted at night with steady burning all-round red lights visible at 2000 yards.

# Additional Cofferdam on the Southeast Pier Footing

The additional cofferdam will extend an additional 9 feet into the main channel during pier removal, reducing horizontal clearance at the southeast corner of the channel to approximately 82 feet. The corners of the cofferdam will be lighted at night with steady burning all round red lights.

**NOTES:**

1. SHEET PILES TO BE ASTM A328, MINIMUM YIELD STRENGTH OF  $F_y = 38$  KSI.
2. STEEL WALES AND STRUTS TO BE ASTM A572 GRADE 50, MIN YIELD STRENGTH OF  $F_y = 50$  KSI.
3. MISC STEEL SHAPES TO BE ASTM A36, MIN YIELD STRENGTH OF  $F_y = 36$  KSI.
4. WELDING IS TO BE IN ACCORDANCE WITH AWS D1.1, USING E70XX ELECTRODES.
5. BOLTS TO BE ASTM A325 OR BETTER.
6. COMPLETELY INSTALL WALES PRIOR TO EXCAVATING MORE THAN 2' BELOW PROPOSED WALE LOCATION.
7. SHEET PILES ARE TO BE INTERLOCKED EXCEPT AT CORNERS.
8. THIS PLAN IS IN ACCORDANCE WITH OSHA 1841.1 (c)(4), DESIGN BY A REGISTERED CIVIL ENGINEER.
9. THE SOILS INFORMATION WAS BASED CONTRACT BORING LOGS.
10. CC MYERS IS TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND OBSTRUCTIONS IN ORDER TO ELIMINATE ANY CONFLICTS WITH THE PROPOSED SHORING SYSTEM.
11. CC MYERS IS TO PROVIDE ACCESS AND BARRICADING IN ACCORDANCE WITH OSHA REQUIREMENTS.
12. CC MYERS IS TO VERIFY THAT ADEQUATE CLEARANCES ARE OBTAINED.
13. IT IS ANTICIPATED THAT MODERATELY HARD TO HARD MATERIAL WILL BE ENCOUNTERED NEAR THE BOTTOM OF EXCAVATION WITH BLOW COUNTS OVER 50 BLOWS/FT. IF PILE DRIVING BECOMES VERY DIFFICULT AND/OR REACHES REFUSAL A MINIMUM OF 2.5 FEET OF EMBEDMENT IS SUFFICIENT. OTHERWISE, THE EMBEDMENT SHOWN ON THESE PLANS IS REQUIRED. CONTACT HARTMAN CIVIL ENGINEERING AT THE TIME OF PILE DRIVING WITH INFORMATION REGARDING THE ENERGY REQUIRED DRIVING THE SHEET PILES AND THE TYPE OF MATERIAL ENCOUNTERED.
14. CONTRACTOR SHALL HAVE A COMPETENT PERSON ON SITE WHERE THIS PLAN IS TO BE USED. IT IS THIS PERSON'S RESPONSIBILITY TO ENSURE THAT THE SHORING SYSTEM IS INSTALLED IN ACCORDANCE WITH THE APPROVED SHORING PLANS. THEY ARE TO NOTIFY THE ENGINEER IF FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN ON THIS PLAN, SO THAT REMEDIAL ACTION CAN BE TAKEN.



PLAN VIEW  
SCALE: 1"=10'

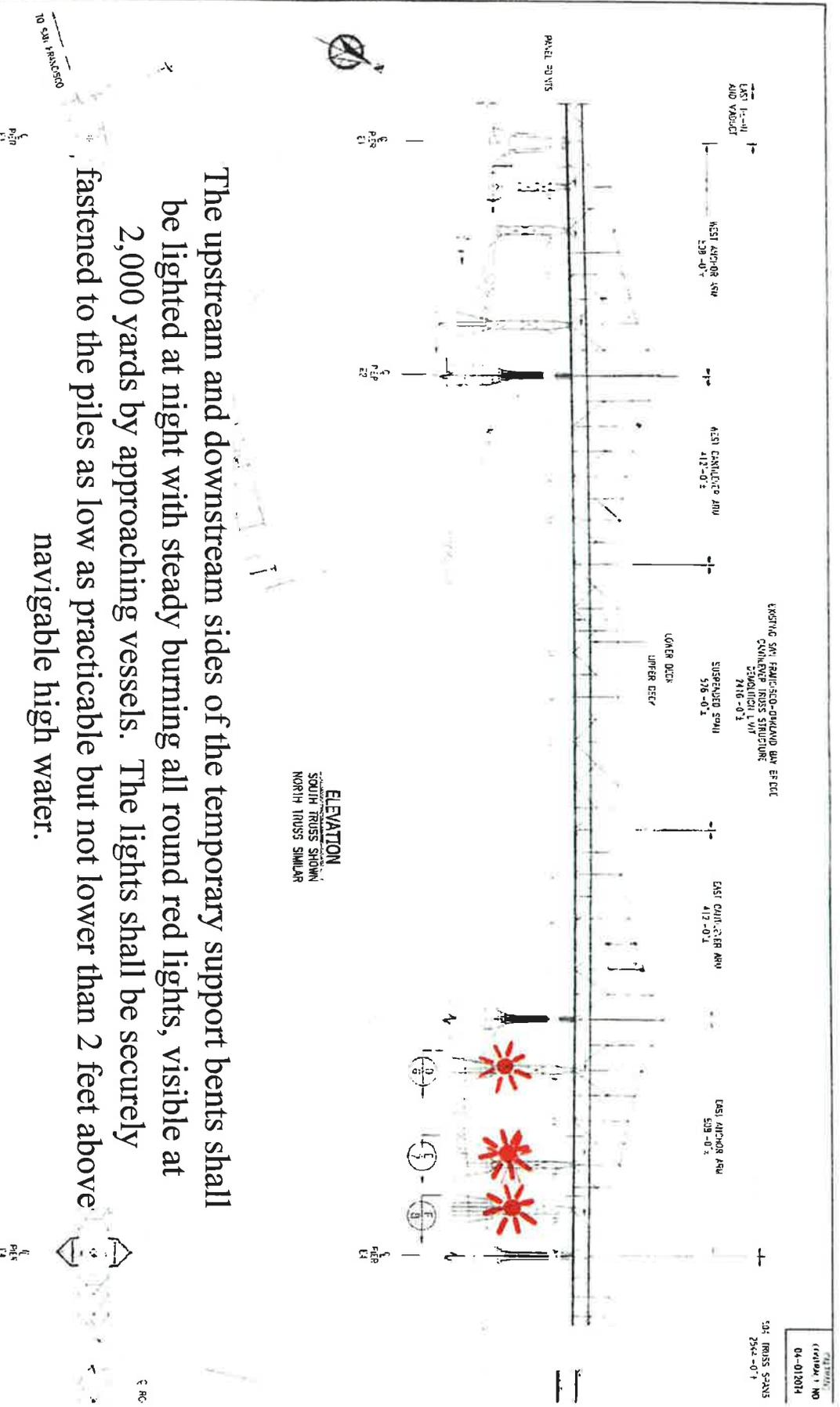
APPROVED  
Pursuant to Section 5-1.02  
of the Standard Specifications  
  
State of California  
Department of Transportation  
Office of Structure Construction  
  
Signed: *[Signature]*  
Reg. Civil Eng. No. \_\_\_\_\_  
Date: 10/16/15



09/16/15

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| REVISIONS: BY: <table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>     |  |  |  |  |  |  | PETALUMA RIVER BRIDGE<br>EXISTING SOUTH PIERS<br>FOOTING REMOVAL<br>EXCAVATION SHORING PLANS |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| <b>M.A. McClish</b><br>1387 LOS ALAMOS ROAD<br>SANTA ROSA, CA 95408  |  |  |  |  |  |  |  |
| <b>HARTMAN</b><br>Civil Engineering, Inc.<br><small>Office: (707) 754-9882<br/>                 P.O. Box 2808<br/>                 Petaluma, CA 94953<br/>                 Fax: (707) 773-2653</small> |  |  |  |  |  |  |  |
| DATE: 09/16/15<br>SCALE: NOTED<br>BY: J.W.H.<br>JOB #: 1482-1<br>SHEET: 1 OF 7   |  |  |  |  |  |  |  |

# Lighting Diagram - Temporary Support Bents Eastern Span San Francisco Oakland Bay Bridge Mile 8.9, San Francisco Bay



The upstream and downstream sides of the temporary support bents shall be lighted at night with steady burning all round red lights, visible at 2,000 yards by approaching vessels. The lights shall be securely fastened to the piles as low as practicable but not lower than 2 feet above navigable high water.

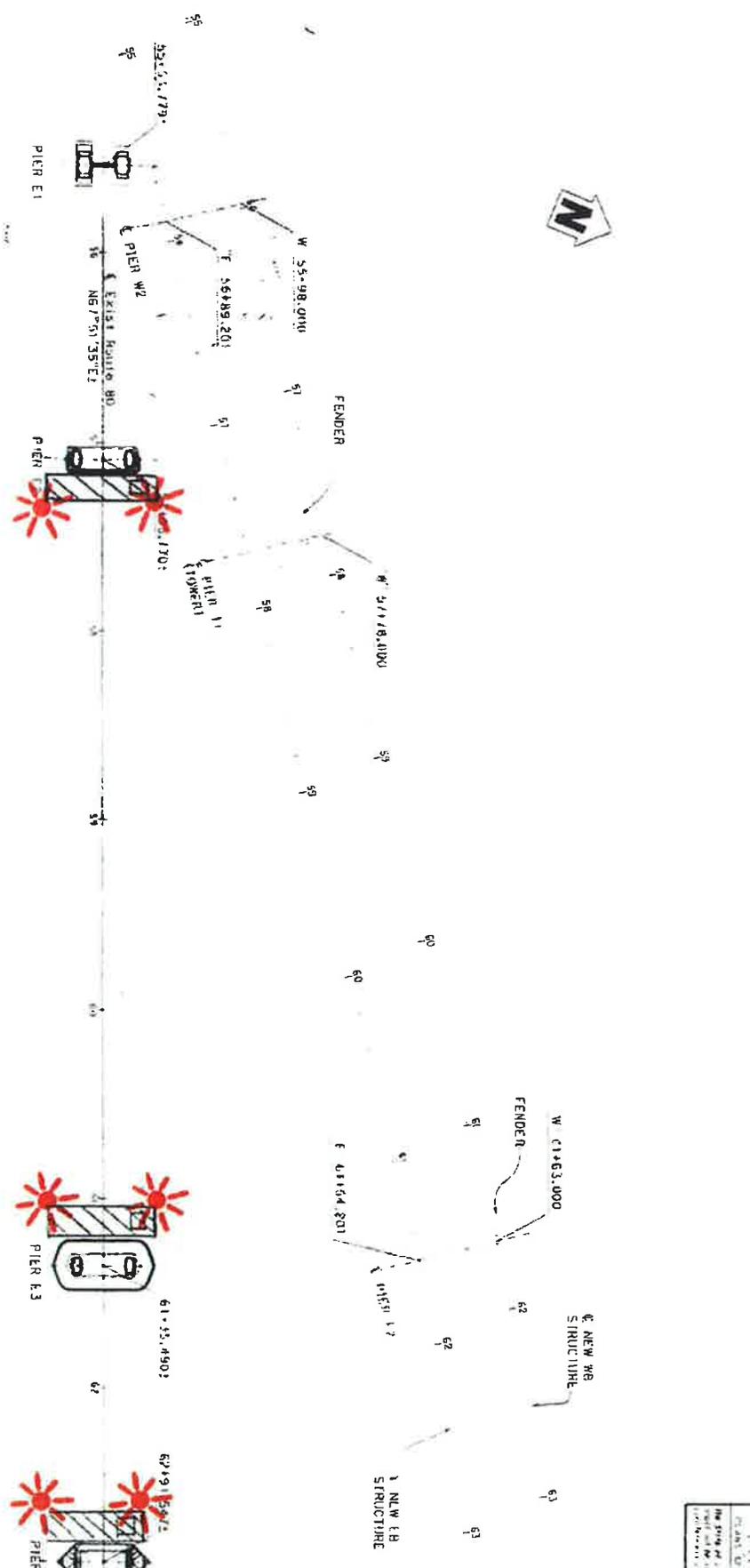
ENCLOSURE (2)

# Lighting Diagram - Equipment Barges Eastern Span San Francisco Oakland Bay Bridge Mile 8.9, San Francisco Bay



|       |        |       |
|-------|--------|-------|
| STATE | COUNTY | ROUTE |
| 04    | SF     | 010   |

*Michael DeFina*  
 REGISTERED CIVIL ENGINEER  
 No. 45872  
 State of California  
 Exp. 12/31/2011



YERBA BUENA ISLAND

The outboard corners of each barge shall be lighted at night with steady burning all round red lights, visible at 2,000 yards by approaching vessels.

ENCLOSURE (1)

NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROL BEFORE ORDERING OR FABRICATING ANY MATE

**PRELIMINARY INVESTIGATION SECTION**

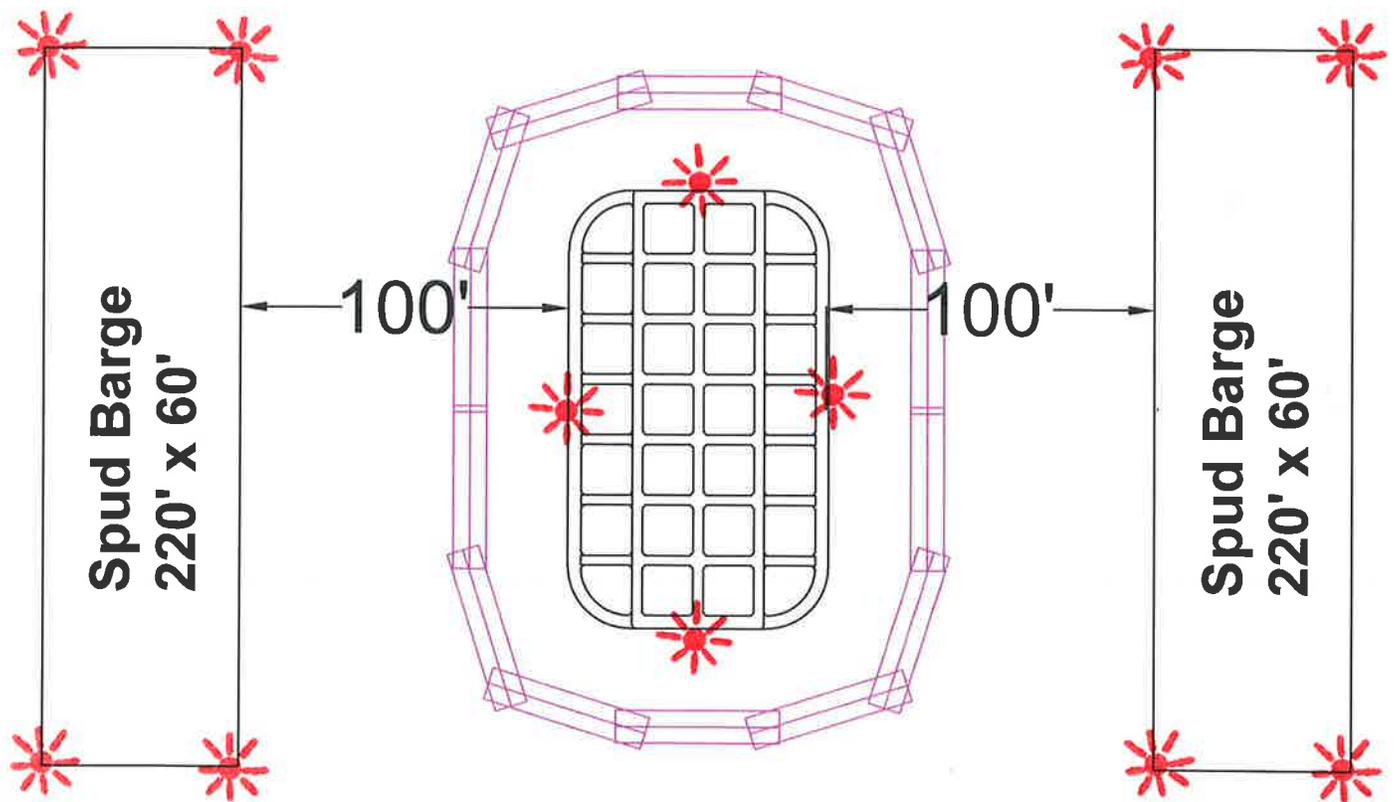
|   |   |   |  |
|---|---|---|--|
| PROJECT NO. 33-025<br>CONTRACT NO. 13.2713.9        | DATE OF PLAN 12/11/09<br>DATE OF ISSUE 12/11/09 | DRAWN BY J. SMITH<br>CHECKED BY J. SMITH  | PROJECT NO. 33-025<br>CONTRACT NO. 13.2713.9 |
| ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN |   | SAN FRANCISCO-OAKLAND EAST SPAN BEARING SAFETY EXISTING CANTILEVER TRU FOUNDATION |  |

# Eastern Span SFOBB Pier "H" (E-3) Lighting Plan

Each corner of each barge shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.

The exposed pier structure shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.

## Bubble Curtain

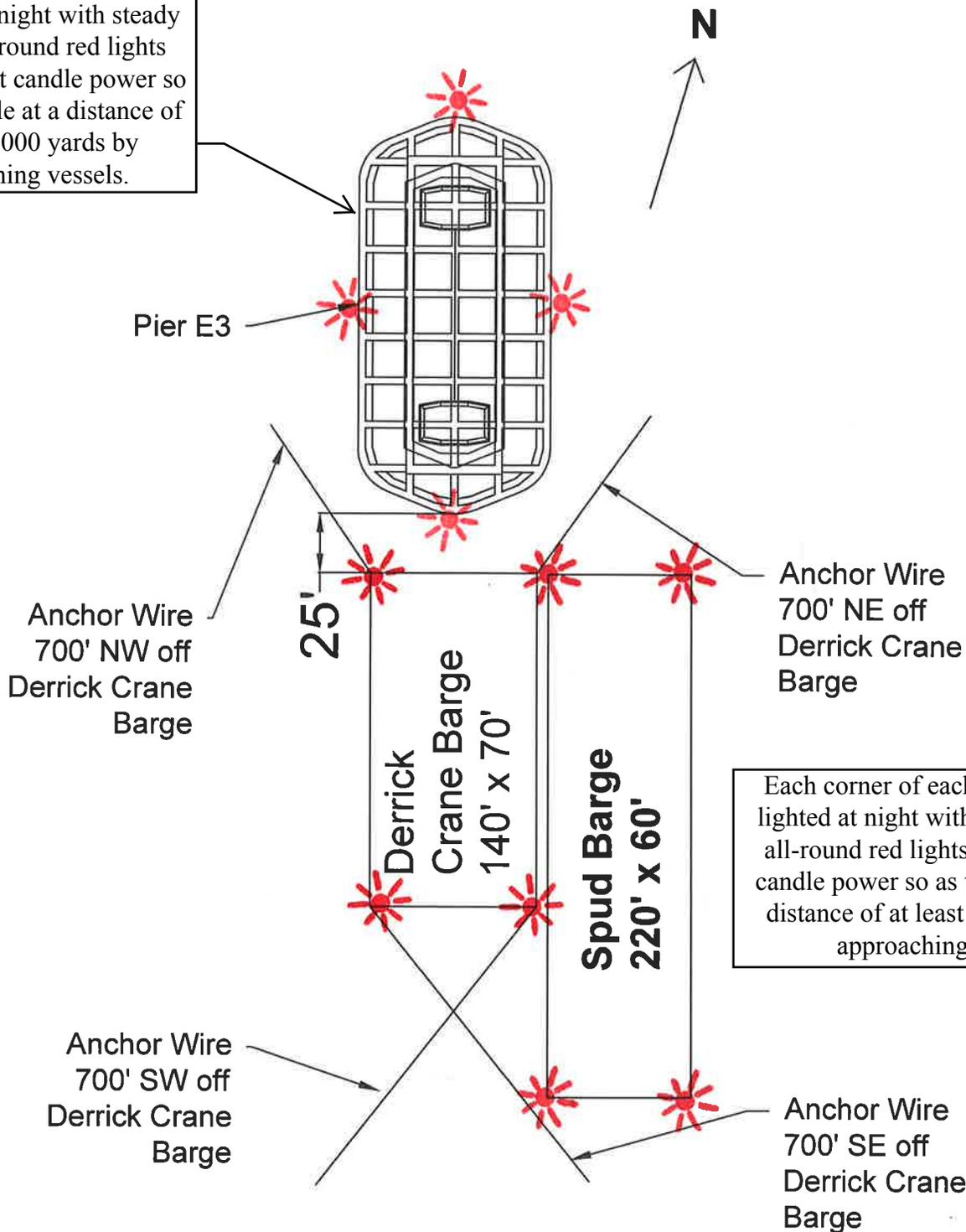


ENCLOSURE ( )

Eastern Span SFOBB  
Pier "H" (E-3)  
Lighting Plan

# Fender Removal

The exposed pier structure shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.



Each corner of each barge shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.

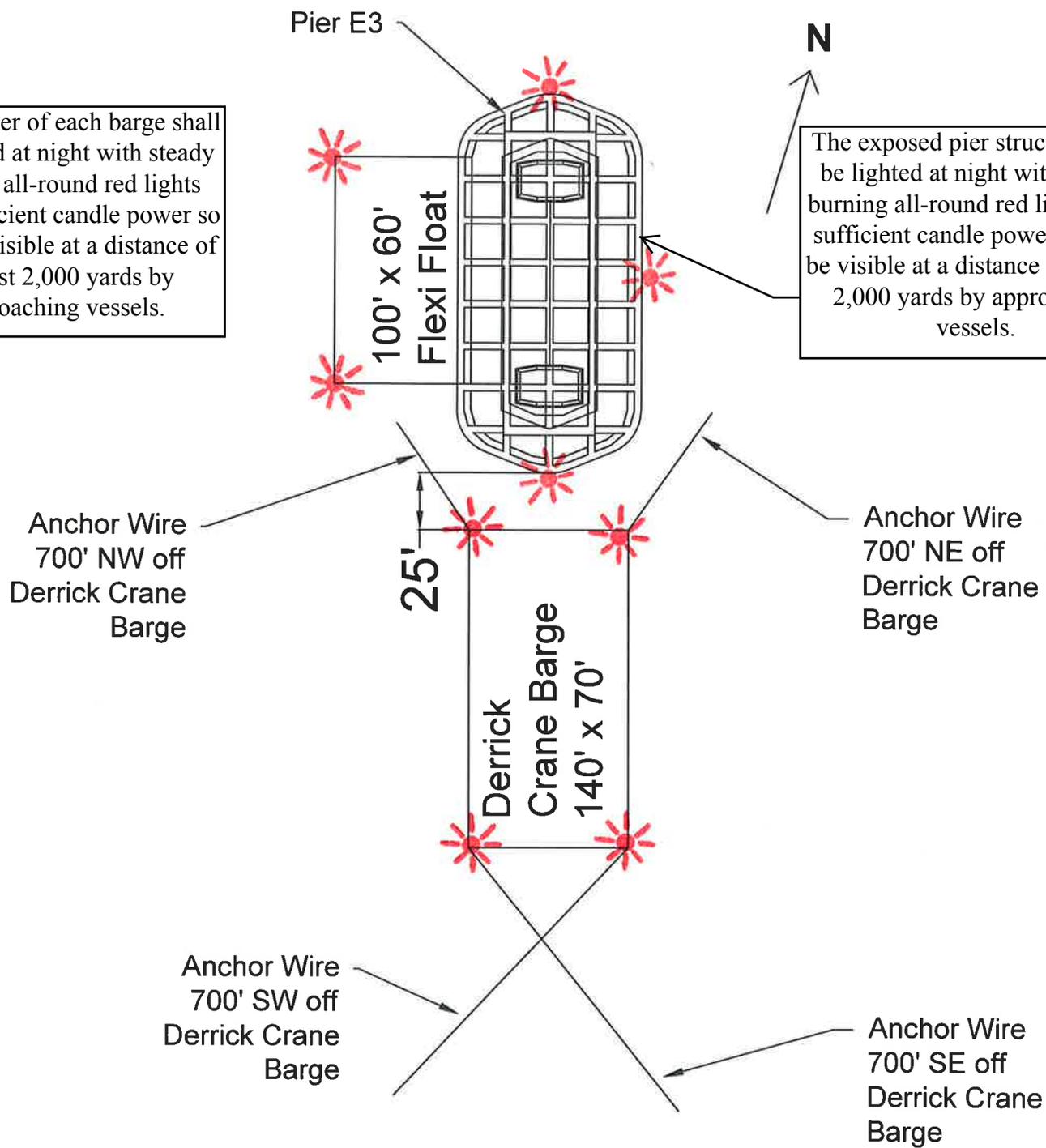
ENCLOSURE ( )

**Eastern Span SFOBB  
Pier "H" (E-3)  
Lighting Plan**

# Curtain Demo

Each corner of each barge shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.

The exposed pier structure shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.



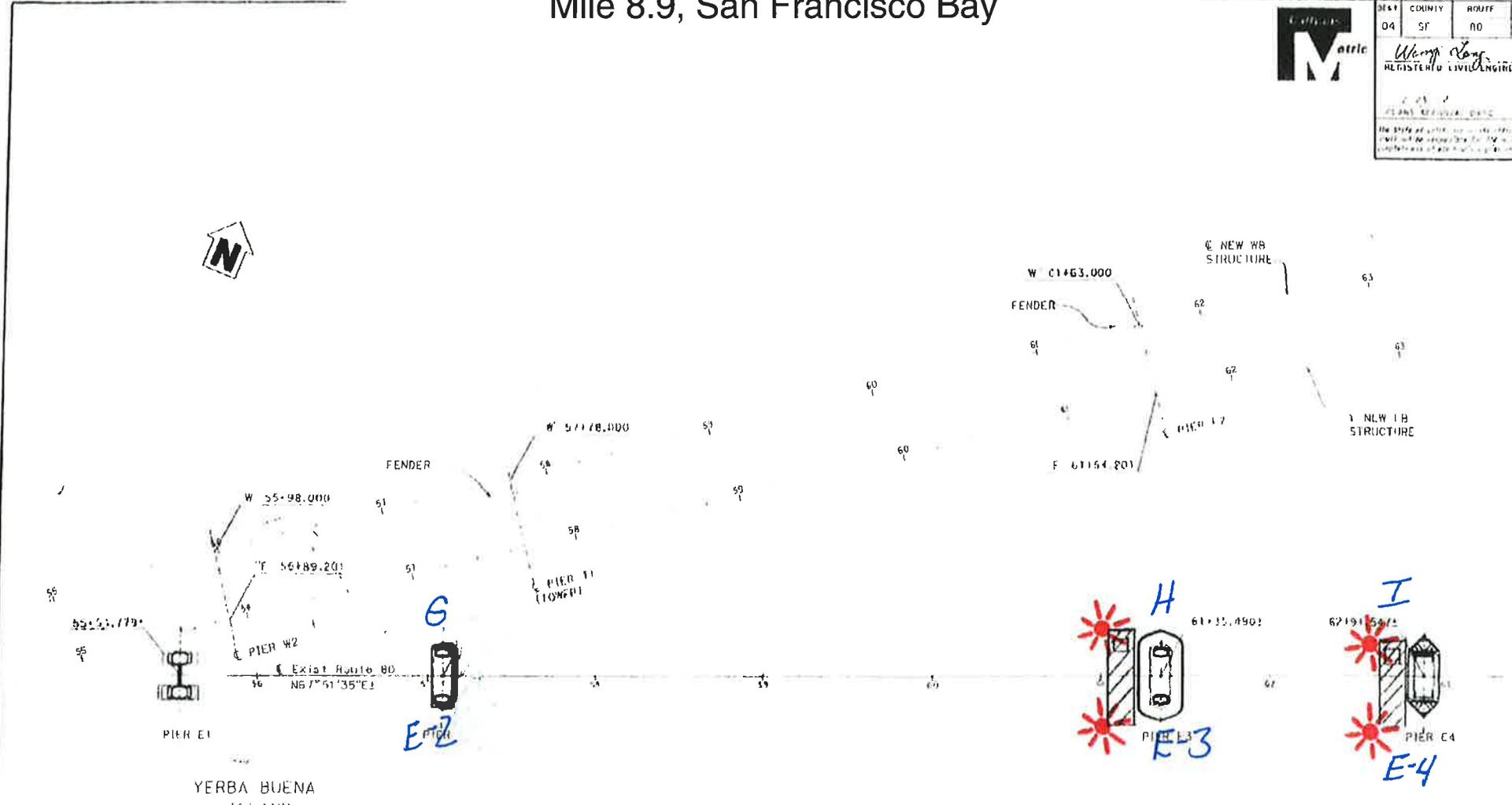
**ENCLOSURE ( )**

# Lighting Diagram - Equipment Barges Eastern Span San Francisco Oakland Bay Bridge Mile 8.9, San Francisco Bay

|       |      |       |
|-------|------|-------|
| SHEET | CITY | ROUTE |
| 04    | SF   | 80    |

*Wong Kong*  
REGISTERED CIVIL ENGINEER

No. 23, 1998  
The State of California, Department of Transportation  
San Francisco Bay Area



The outboard corners of each barge shall be lighted at night with steady burning all round red lights, visible at 2,000 yards by approaching vessels.

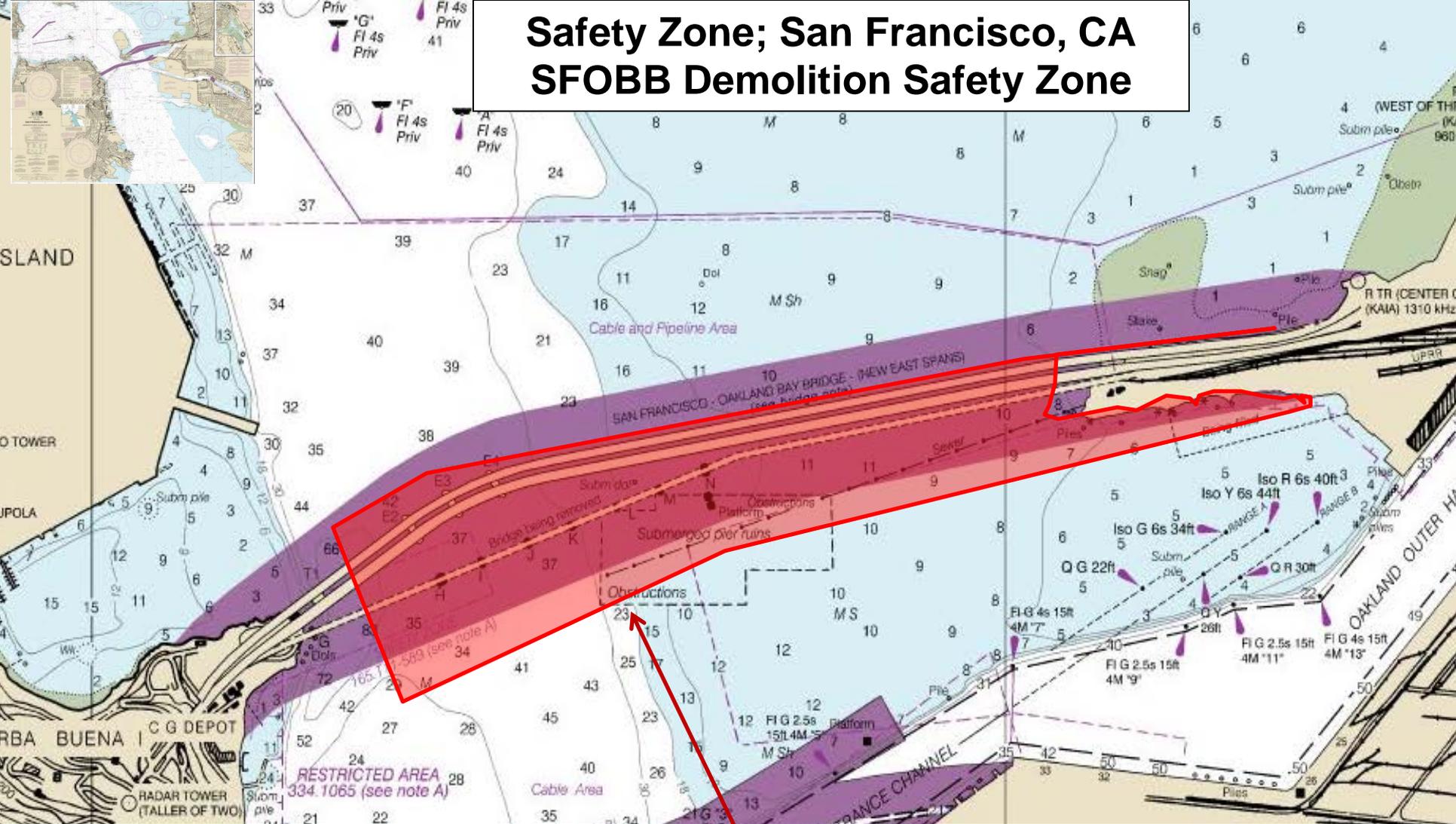
NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROL POINTS  
BEFORE ORDERING OR FABRICATING ANY MATE

|  |                                 |                |             |                  |                   |                  |                   |                |                  |                |   |                |   |
|--|---------------------------------|----------------|-------------|------------------|-------------------|------------------|-------------------|----------------|------------------|----------------|---|----------------|---|
| <b>PRELIMINARY INVESTIGATION SECTION</b> |                                 |                |             | DATE: 11/11/01   | BY: W. Long       | CHECKED: J. Long | APPROVED: J. Long | DRAWN: J. Long | SCALE: 1" = 100' | SHEET NO. 04   | TOTAL SHEETS 04   | DATE: 11/11/01 | PROJECT: SAN FRANCISCO-OAKLAND EAST SPAN SEISMIC SAFETY |
| NO. OF BARGE UNITS                       | PHOTODUPLICATION AS OF 12/13/01 | DATE: 11/11/01 | BY: W. Long | CHECKED: J. Long | APPROVED: J. Long | DRAWN: J. Long   | SCALE: 1" = 100'  | SHEET NO. 04   | TOTAL SHEETS 04  | DATE: 11/11/01 | PROJECT: SAN FRANCISCO-OAKLAND EAST SPAN SEISMIC SAFETY | SHEET NO. 04   | TOTAL SHEETS 04   |
| NO. OF BARGE UNITS                       | PHOTODUPLICATION AS OF 12/13/01 | DATE: 11/11/01 | BY: W. Long | CHECKED: J. Long | APPROVED: J. Long | DRAWN: J. Long   | SCALE: 1" = 100'  | SHEET NO. 04   | TOTAL SHEETS 04  | DATE: 11/11/01 | PROJECT: SAN FRANCISCO-OAKLAND EAST SPAN SEISMIC SAFETY | SHEET NO. 04   | TOTAL SHEETS 04   |
| NO. OF BARGE UNITS                       | PHOTODUPLICATION AS OF 12/13/01 | DATE: 11/11/01 | BY: W. Long | CHECKED: J. Long | APPROVED: J. Long | DRAWN: J. Long   | SCALE: 1" = 100'  | SHEET NO. 04   | TOTAL SHEETS 04  | DATE: 11/11/01 | PROJECT: SAN FRANCISCO-OAKLAND EAST SPAN SEISMIC SAFETY | SHEET NO. 04   | TOTAL SHEETS 04   |

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DESIGNED: J. Long  
CHECKED: J. Long  
DATE: 11/11/01

# Safety Zone; San Francisco, CA SFOBB Demolition Safety Zone



**South Border: 1000 feet south of the old SFOBB extending to Oakland shore line,**

**West Border: 500 feet west of Pier H,**

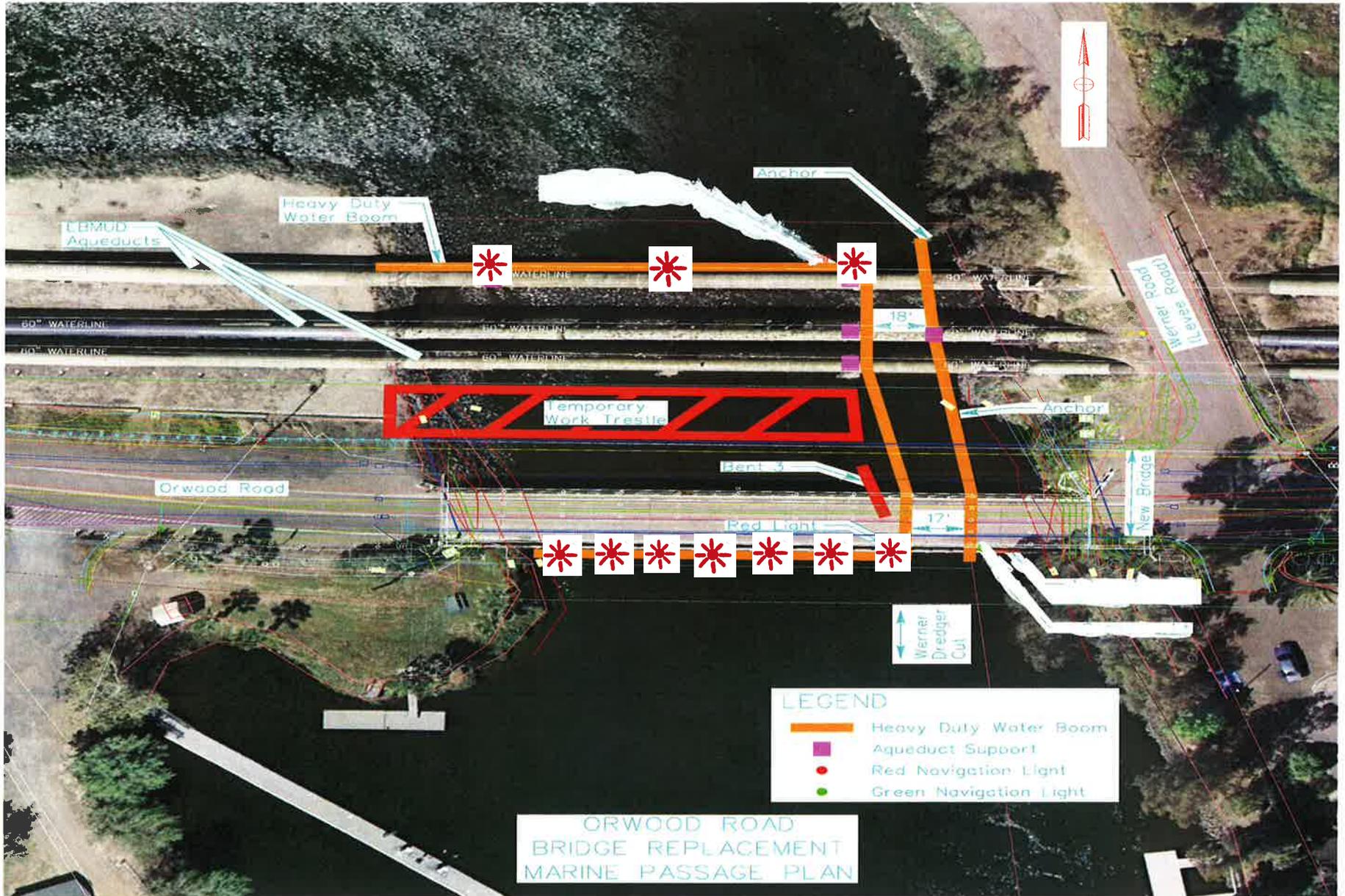
**North Border west of Pier H: 250 feet north of new SFOBB extending Pier H,**

**North Border east of Pier H: 100 feet north of new SFOBB extending to Oakland shore line**

**21 August 2015 – 31 December 2017**

**NOAA Chart 18650**

# Orwood Bridge Replacement Project Mile 1.5, Werner Cut. Temporary Trestle and Lighting Plan



The temporary trestle will be placed between the existing Orwood Bridge and the EBMUD pipelines. A temporary boom will surround the entire project area leaving mariners with 17 feet of horizontal clearance at the eastern bank of Werner Cut. The in-water piers on the upstream pipeline and downstream existing Orwood Bridge will be lit at night with steady burning red lights.

# Maritime Safety and Security Bulletin: 005-14

Effective Date: 15 December 2014



U. S. Coast Guard Sector San Diego  
Prevention Department  
2710 North Harbor Drive  
San Diego, CA 92101  
Phone: (619) 278-7241/7262  
Fax: (619) 278-7235

## SAN DIEGO BAY ZUNIGA JETTY SAFETY ADVISORY



Mariners operating in the vicinity of the entrance to San Diego Bay, specifically adjacent to the Zuniga Jetty, are reminded of the inherent hazards that exist along the semi-submerged break-wall. Follow all navigation charts for safe operating distance around the Jetty, associated shoal waters, and rock hazards. Do not navigate across or within any submerged portion of the Coast Guard navigation marked Jetty. Unfortunately, vessel accidents and injuries continue to occur due to vessel traffic crossing the submerged portions of the Jetty.

Zuniga Jetty, located just to the east of Point Loma and the federal entrance channel at the mouth of San Diego Bay, is a 7,500-foot north/south running breakwater that for over one hundred years has played an important role in stabilizing the entrance to San Diego harbor by blocking sediment flow into San Diego Bay. At high tide, up to two-thirds of the jetty may be submerged, and at low tide, the outer third of the jetty cannot easily be seen by approaching boaters. Submerged sections of various depths between existing navigation lights are hazardous to cross at any time.

Zuniga Jetty is marked with five "Danger Submerged Jetty" signs and five flashing white lights, marked in the Coast Guard Light List and on navigation charts as V through Z. At the southernmost end of the Zuniga Jetty, Light Z is marked with a Flashing White Light every 2.5 seconds and a continuous fog horn with a one-second blast every 10 seconds. Always consult your navigation charts when unfamiliar with the waterway. Printable PDF charts are available free of charge, at <http://www.nauticalcharts.noaa.gov>,

For more information about the role of the historic Zuniga Jetty, please contact the Coast Guard Sector San Diego Waterways Management Division at 619-278-7656 or by email at [D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil](mailto:D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil).

A handwritten signature in blue ink, appearing to read "M. L. Rochester".

M. L. ROCHESTER  
Commander, U. S. Coast Guard  
Officer in Charge, Marine Inspection

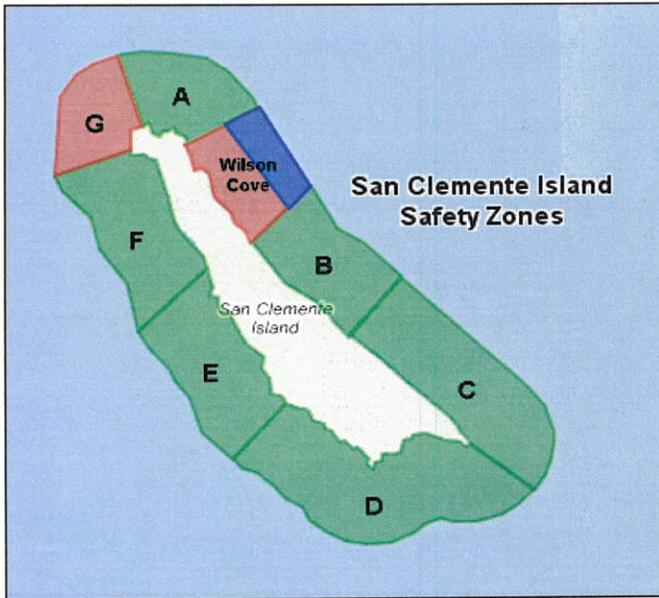
# Maritime Safety and Security Bulletin: 04-15

Effective Date: 03 October 2015



U. S. Coast Guard Sector San Diego  
2710 North Harbor Drive  
San Diego, CA 92101  
Phone: (619) 278-7241/7262  
Fax: (619) 278-7235

## SAN CLEMENTE ISLAND LIMITED ACCESS ADVISORY



Mariners operating in the vicinity of San Clemente Island are reminded of the **restricted** waterway access surrounding San Clemente Island (33 CFR 165.1131; 33 CFR 165.1141).

Since the inception of the regulations, numerous safety zone violations have been processed by Coast Guard Sector San Diego. Safety Zone incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancelations. Violators of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to \$40,000.00. Furthermore, if a mariner holds a Merchant Mariner Credential, suspension or revocation action may be pursued against the mariner's credential.

<https://www.scisland.org/>

San Clemente Island is a top strategic Department of Defense military training facility. Dangerous naval activities occur weekly to ensure deployable military forces are trained for worldwide missions (e.g. small arms training, ground and air explosive ordnance training). Mariners conducting operations around San Clemente Island must abide by Federal regulations that apply to the three NM radius around the island. Eight zones comprise the Safety and Security Zones. Restriction times are based on U.S. Navy live fire exercises. Wilson Cove Security Zone and Safety Zone G are permanently closed. Mariners wishing to transit through Zone G must get preapproval from the U.S. Navy. The U.S. Navy makes every effort to maintain a schedule in advance and minimize public access restrictions. Periods of enforcement can be found at <https://www.scisland.org>. Restricted access areas and times are highlighted in red and listed in the associated website chart. If a Safety Zone section is green, mariners may access the waters. Mariners are advised to contact San Clemente Island via call sign "KRAKEN" on VHF CH 82A, or call Coast Guard Sector San Diego Joint Harbor Operations Center on VHF CH16 or at (619) 278-7033 to verify real-time status of the restricted waters.

If you would like more information about the Security and Safety zones surrounding San Clemente Island, please contact the Coast Guard Sector San Diego Waterways Management Division at 619-278-7656 or by email at [D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil](mailto:D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil).

J. S. SPANER  
Captain, U. S. Coast Guard  
Captain of the Port San Diego

**INTERNATIONAL INTERPRETIVE RULES 33 CFR 82, §82.5; read:**

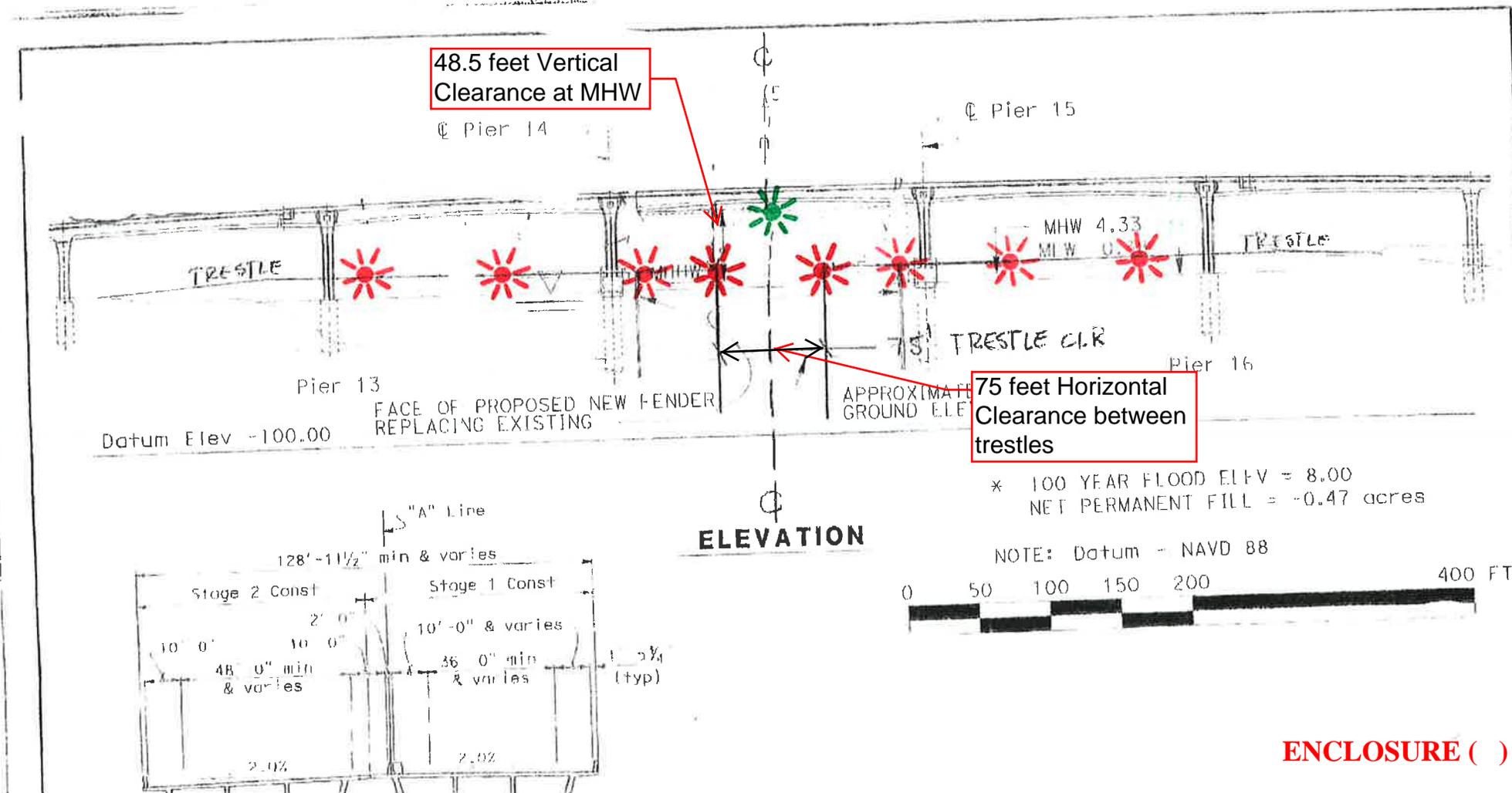
For the purposes of Rule 30 of the 72 COLREGS, a vessel at anchor includes a barge made fast to one or more mooring buoys or other similar device attached to the sea or river floor. Such a barge may be lighted as a vessel at anchor in accordance with Rule 30, or may be lighted on the corners in accordance with 33 CFR 88.30(h) through (l).  
(USCG)

# Replacement Schuyler Heim Bridge Project

## Temporary Lighting Diagram during Construction

The temporary trestles provide 75 feet of horizontal clearance and 48.5 feet of vertical clearance from Mean High Water to the lowest hittable portion of the bridge between the trestles.

The upstream and downstream trestles are lighted at night with steady burning all-round red lights. The center of the navigation span, between piers 14 and 15, is marked at night with all-round steady burning green lights.



ENCLOSURE ( )



**MARINE SAFETY AND SECURITY  
INFORMATION BULLETIN  
(MSIB) 15-07**



**September 28, 2015**

U.S. Department of Homeland Security, Coast Guard Sector San Francisco

**Establishment of Anchorage Berths in General Anchorages 7, 8 and 8A\***

On September 10, 2015 the Harbor Safety Committee of the San Francisco Bay Region adopted a proposal to establish anchorage berthing schemes in general anchorages 7, 8 and 8A\*. These berthing schemes will provide more efficient use and greater predictability of the available space in these anchorages. Specific berth information is contained in the tables below.

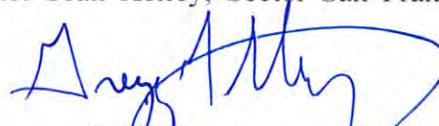
| ANCHORAGE 7 BERTH COORDINATES  |              |               |
|--|--------------|---------------|
| COORDINATES INDICATE CENTER OF .05NM (100YD)<br>DIAMETER DROP BUCKET |              |               |
| Berth  | Latitude     | Longitude     |
| 7N   | 37° 49.617'N | 122° 23.403'W |
| 7S   | 37° 49.178'N | 122° 22.967'W |

| ANCHORAGE 8 BERTH COORDINATES  |              |               |
|--|--------------|---------------|
| COORDINATES INDICATE CENTER OF .05NM (100YD)<br>DIAMETER DROP BUCKET |              |               |
| Berth  | Latitude     | Longitude     |
| 8N   | 37° 47.575'N | 122° 21.485'W |
| 8C   | 37° 47.395'N | 122° 20.890'W |
| 8S   | 37° 46.910'N | 122° 21.050'W |
| 8E1  | 37° 47.835'N | 122° 21.000'W |
| 8E2  | 37° 46.905'N | 122° 20.480'W |

| ANCHORAGE 8A* BERTH COORDINATES                                      |              |               |
|--|--------------|---------------|
| COORDINATES INDICATE CENTER OF .05NM (100YD)<br>DIAMETER DROP BUCKET |              |               |
| Berth  | Latitude     | Longitude     |
| 8A   | 37° 47.050'N | 122° 21.725'W |

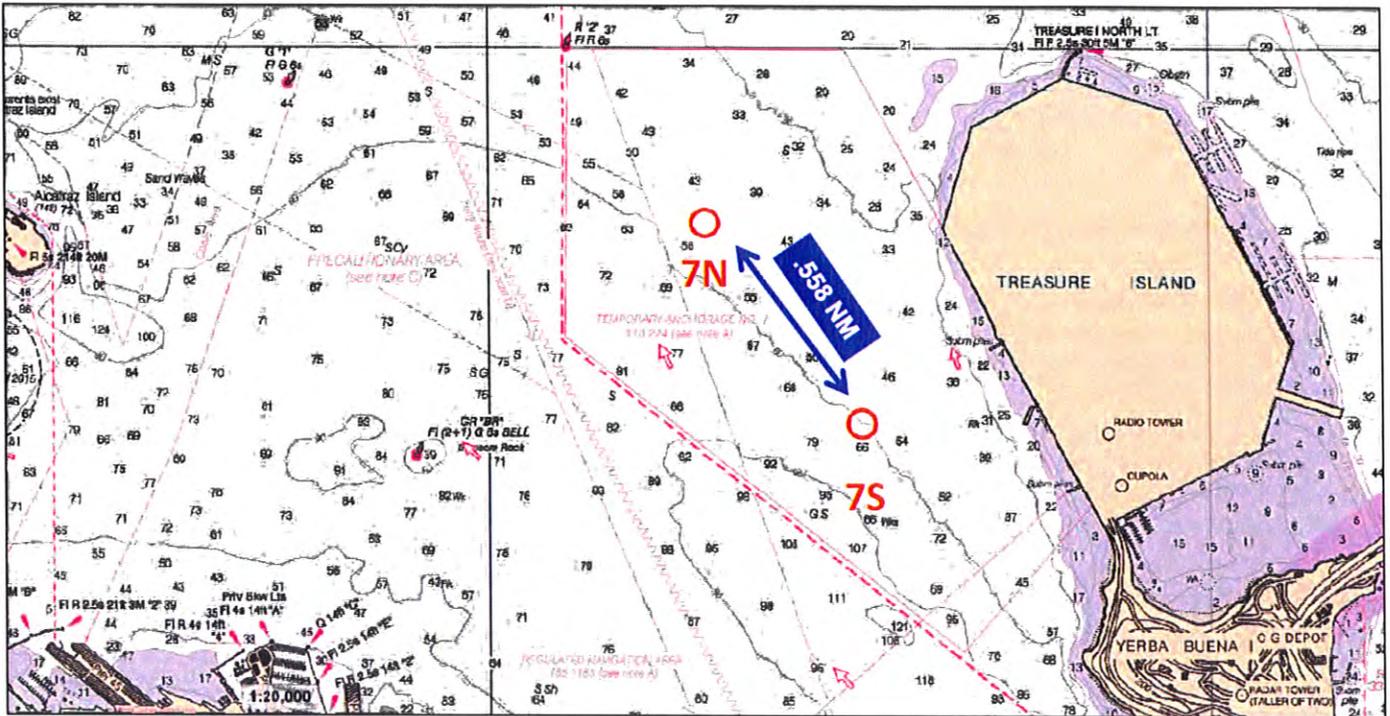
\*Anchorage 8A exists only when activated by VTS.

All existing regulations governing the use of these anchorages remain in effect. Vessels using these anchorages should strive to let go their anchor in the center of the drop bucket. For additional information please contact Sean Kelley, Sector San Francisco VTS Director (415) 399-7402.

  
 G. G. Stump  
 Captain, U.S. Coast Guard  
 Captain of the Port

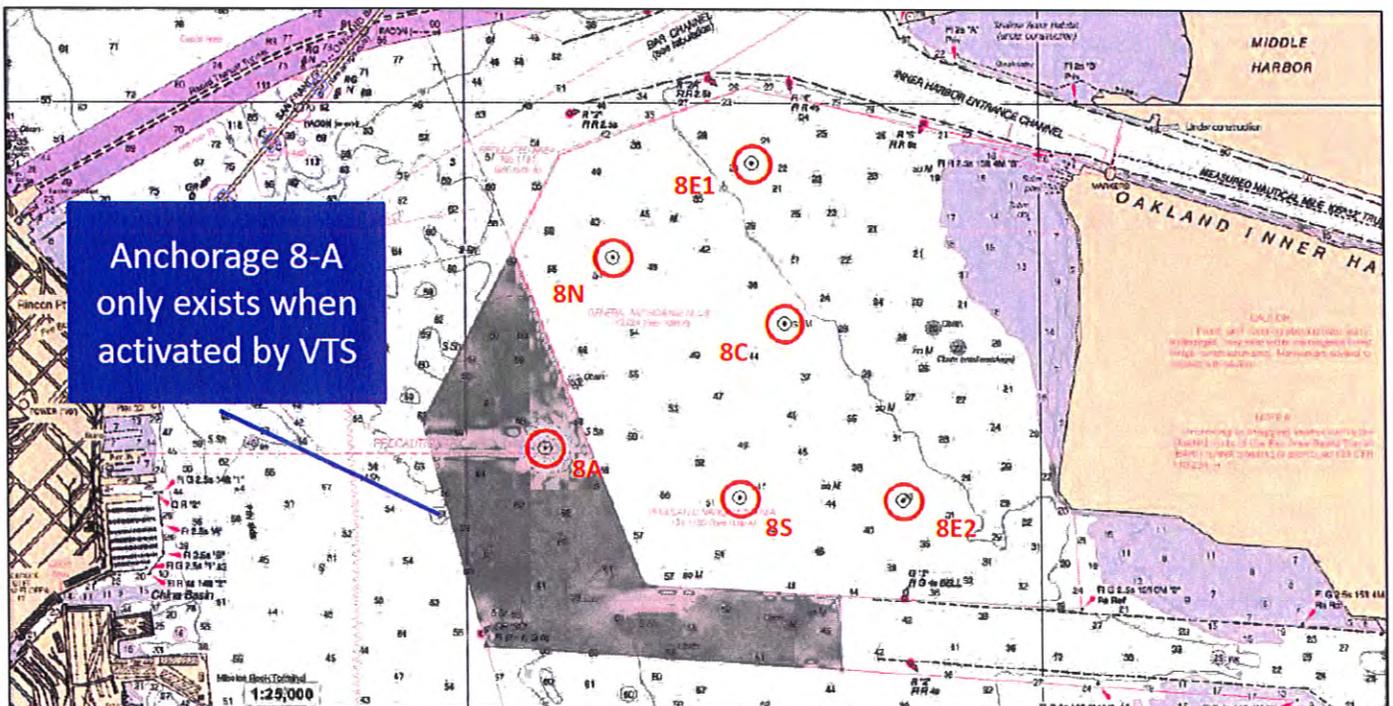
# General Anchorage 7 berths

Drop circles or "buckets" are .05NM (100 yds) in diameter



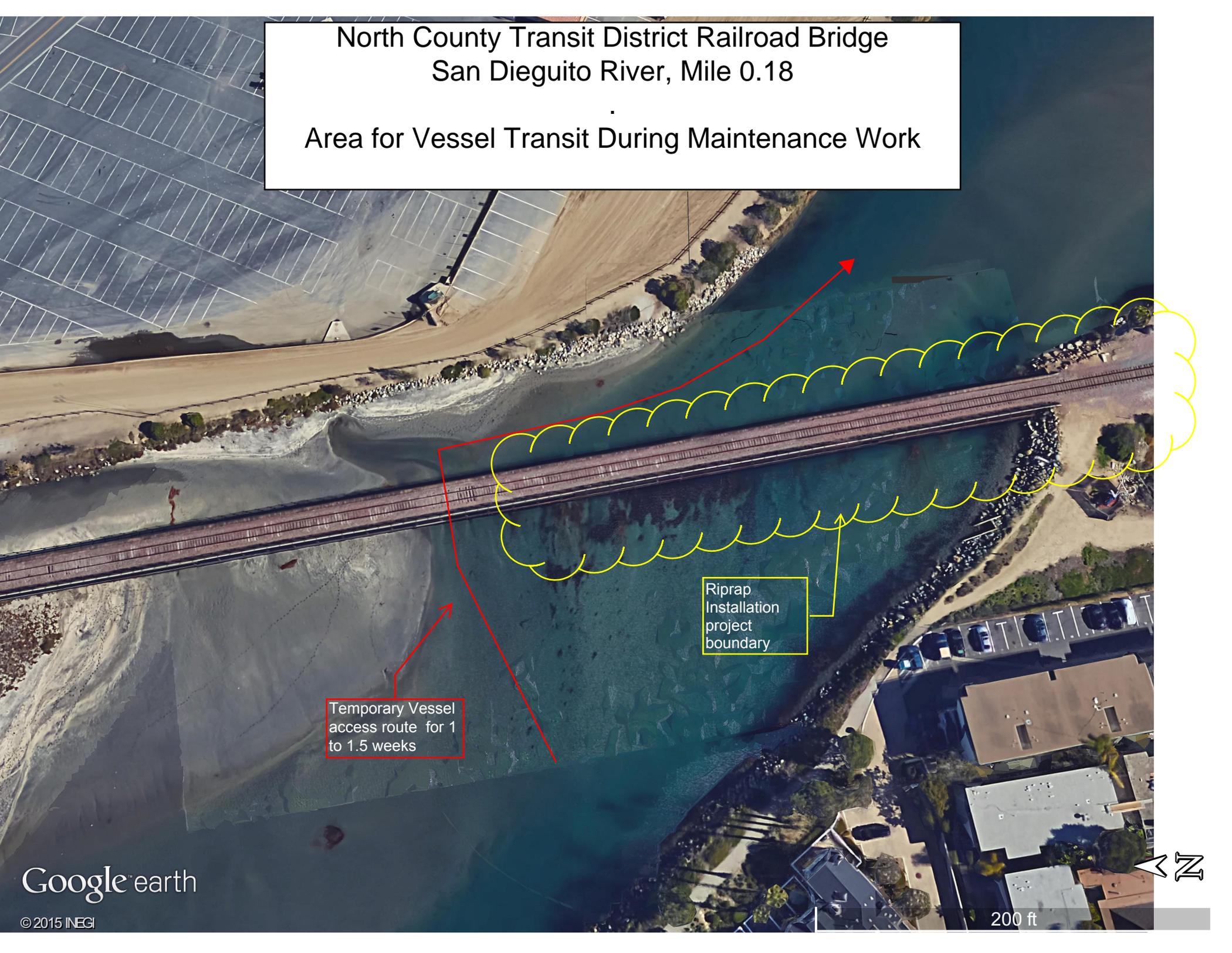
# General Anchorages 8 & 8-A berths

Drop circles or "buckets" are .05NM (100 yds) in diameter



North County Transit District Railroad Bridge  
San Dieguito River, Mile 0.18

Area for Vessel Transit During Maintenance Work



Riprap  
Installation  
project  
boundary

Temporary Vessel  
access route for 1  
to 1.5 weeks



North County Transit District Railroad Bridge  
San Dieguito River, Mile 0.18

Area for Vessel Transit During Maintenance Work

Temporary Vessel Crossing  
(Looking Northwest)

Vessels Proceed on  
Sand Bar Under Bridge



North County Transit District Railroad Bridge  
San Dieguito River, Mile 0.18

Area for Vessel Transit During Maintenance Work

Temporary Vessel Crossing  
(Looking East)



Vessels Proceed on  
Sand Bar Under Bridge

# North County Transit District Railroad Bridge San Dieguito River, Mile 0.18

## Temporary Impacts to Navigation During Work

