U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 11 Week: 35/15

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-0014-15, SF-0155-15, LA-0125-15, and SD-0098-15 have been incorporated in this notice, or will continue if still significant.

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
Al - 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

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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. 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.

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 INFORMATION BULLETIN

Mariners directing the movement of large ships in or near the offshore approaches to San Francisco Bay have indicated to the Coast Guard that the high-intensity work-lights used by commercial fishing vessels prevent vessel operators from seeing the commercial fishing vessel's navigation lights at night and in low visibility conditions. A clear and present threat to navigation safety exists when one vessel cannot see the navigation lights of another vessel. If navigation lights are obscured, the aspect of the latter vessel cannot be determined making it extremely difficult for both vessels to successfully execute the nautical rules of the road. International Navigation Rule 20 states that no other lights that may impair the visibility of the lights specified in the Rules shall be displayed from sunrise to sunset and during periods of low visibility. For additional information please see CFV Work lights MSIB.pdf in the Enclosures Section.

LNM: 34/15

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

REDUCED COVERAGE OF NATIONWIDE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (NDGPS)

The U.S. Coast Guard, the U.S. Army Corps of Engineers (USACE), and the U.S. Department of Transportation (DOT) seek comment on a proposal to reduce coverage provided by the Nationwide Differential Global Positioning System (NDGPS). The proposal calls for the shutdown and decommissioning of 62 DGPS sites, leaving 22 operational sites available to users in coastal areas. Termination of the NDGPS broadcast at these sites is planned to occur on January 15, 2016. Comments must be received by November 16, 2015. The full notice and directions on submitting comments can be found via this link: https://www.federalregister.gov/articles/2015/08/18/2015-20401/nationwide-differential-global-positioning-system-ndgps.

LNM: 33/15

SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION

NOAA Sanctuaries request a voluntary Vessel Speed Reduction from 01 May 15 through 30 Nov 15 within the SF TSS. Vessels 300 gross registered tons or larger transiting the Offshore San Francisco Traffic Separation Scheme (33 CFR 167.400) are encouraged to transit at speeds not in excess of 10kts. These areas contain concentrations of endangered Blue, Humpback, and Fin Whales that are protected under the Federal 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.). See SpeedReductionZone.pdf in the enclosures section for a charted diagram of the specified areas.

Chart 18645

LNM: 17/15

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

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	0407-13	37/13	
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	
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	
2805	Anaheim Bay East Jetty Light 6	TRLB/STRUCT DEST	18749	LA-0108-14	35/14	
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	
6165	Napa River Light 8	MISSING/TRLB	18654	SF-0123-14	34/14	
6325	Suisun Bay North Channel Light 2	TRLB/STRUCT DMGD	18657	SF-0004-14	01/14	

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	TRLB/STRUCT DMGD	18660	SF-0083-15	21/15
6855	San Joaquin River Light 46	TRLB/STRUCT DMGD	18660	0351-13	32/13
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
8320	Hookton Channel Light 8	TRLB/STRUCT DEST	18622	HB-0036-14	47/14

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
2060	Coronado Cays Channel Light 1	LT EXT	18773	SD-0078-15	30/15	
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	
5140	**Coyote Point Light 1**	**LT EXT**	**18651**	**SF-0155-15**	**35/15**	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

None

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
296	NOAA Environmental Lighted Buoy 46044	DISCONTINUED	18680	SF-0068-15	18/15	
382	NOAA Environmental Lighted Buoy 46059	DISCONTINUED	18007		22/12	
448	Dart Tsunami Warning Lighted Buoy Station 46411	DISCONTINUED	18010	HB-0001-15	01/15	
562	NOAA Environmental Lighted Buoy 46027	DISCONTINUED	18603	HB-0038-14	50/14	
2289.3	Scripps Del Mar Lighted Research Buoy	DISCONTINUED	18765	NONE	17/15	
3420	Hyperion Lighted Gong Buoy 10 ES	TRUB	18744	LA-0106-15	30/15	

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

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only.
It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97

Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER

Main Panel 2245 NEW YORK HARBOR

Corrective Action	Object of Corrective Action	Position
(Temp) ADD	NATIONAL DOCK CHANNEL BUOY 3	CGD01 at 40-41-09.001N 074-02-48.001W
	Green can	

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true.
Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

18649 **68th Ed.** **01-JUN-13** **Last LNM: 32/14** **NAD 83** **35/15**

ChartTitle: **Entrance to San Francisco Bay**

Main Panel 1823 SAN FRANCISCO ENTRANCE. Page/Side: N/A

CHANGE	tabulation - Richmond Harbor And Southampton Shoal Channel http://ocsdata.ncd.noaa.gov/ntm/SupportImage.aspx?ItemID=258103; tabulation - Richmond Harbor And Southampton Shoal Channel (NOS NW-25151)	NOS 37-56-07.000N	122-15-59.000W

18653 **12th Ed.** **01-OCT-12** **Last LNM: 32/14** **NAD 83** **35/15**

ChartTitle: **San Francisco Bay-Angel Island to Point San Pedro**

Main Panel 1939 SAN FRANCISCO BAY ANGEL ISLAND TO POINT SAN PEDRO. Page/Side: N/A

CHANGE	tabulation - Richmond Harbor And Southampton Shoal Channel http://ocsdata.ncd.noaa.gov/ntm/SupportImage.aspx?ItemID=258105; tabulation - Richmond Harbor And Southampton Shoal Channel (NOS NW-25147)	NOS 37-57-23.000N	122-18-23.000W

18654 **45th Ed.** **01-JAN-11** **Last LNM: 32/14** **NAD 83** **35/15**

ChartTitle: **San Pablo Bay**

Main Panel 1846 SAN PABLO BAY. Page/Side: N/A

CHANGE	tabulation - Pinole Shoal Channel http://ocsdata.ncd.noaa.gov/ntm/SupportImage.aspx?ItemID=258104; tabulation - Pinole Shoal Channel (NOS NW-25140)	NOS 37-58-51.000N	122-14-41.000W

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

Approved Project(s)	Project Date	Ref. LNM
None		

Advance Notice(s)

POINT ARENA-LED CONVERSION

The U.S. Coast Guard is planning to change Point Arena Light (LLNR 420) 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: 501 530 18007 18010 18620 18640 LNM: 03/15

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 DIEGO-MARINER RADIO ACTIVATED SOUND SIGNALS

The U.S. Coast Guard is planning to install a Mariner Radio Activated Sound Signal (MRASS) devices on Ballast Point Light B (LLNR 1570), San Diego Bay Entrance Range Front Light (LLNR 1500) and San Diego Bay Pier B Sound Signal (LLNR 1800). This device will allow the mariner to activate the installed sound signal by keying on a VHF-FM radio microphone five times at the designated frequency for the AtoN (81A) during the week of 05 Oct 15. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18765 18772 18773 LNM: 03/15

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 FRANCISCO BAY-MARINER RADIO ACTIVATED SOUND SIGNALS

The U.S. Coast Guard is planning to install a Mariner Radio Activated Sound Signal (MRASS) devices on Point Bonita Light (LLNR 370) and Alcatraz North Fog Signal (LLNR 4325) during the week of 28 Sept 15. This device will allow the mariner to activate the installed sound signal by keying on a VHF-FM radio microphone five times at the designated frequency for the AtoN (81A). 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: 18007 18010 18020 18640 18645 18649 18650 18652 18680 LNM: 03/15

SAN FRANCISCO-LED CONVERSION

The U.S. Coast Guard is planning to change San Francisco Bay North Channel Lighted Buoy A (LLNR 5410) 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: 18649 18652 LNM: 13/15

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 Project(s)	Closing	Docket No.	Ref. LNM
None			

Proposed Change Notice(s)

LA/LB-LED CONVERSION

The U.S. Coast Guard is proposing to permanently change Point Vicente Light (LLNR 170) to an LED with a 14nm range. Direct any questions, comments, or feedback no later than 29 Sep 15 to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18020 18022 18740 18746 LNM: 34/15

SECTION VII - GENERAL

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

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 EVENT

Ocean Institute will sponsor the Dana Point Tall Ship Festival in Dana Point from 11-13 Sep 15. The festival will include 8 tall sailing ships. The Parade of Sail will take place at 1430 on 11 Sep 15. A special local regulation will be enforced during the parade beginning at the harbor entrance, westbound to buoy 2SJR, northbound to position 33-27-48N 117-45-48W, and then returning along same route. No vessels may approach within 100 yards of the parade participants. Mock cannon battles will take place from 1630 to 1900, 12-13 Sep 15. A special local regulation will be enforced during the mock cannon battles located outside Dana Point Harbor in an area between buoys 2 and 2SJR. Enforcement of these regulations will be advertised via Broadcast Notice to Mariners. During the events, mariners can contact PATCOM via VHF-Chan. 16 with any questions or concerns. For more details or comments Sector LA/LB Waterways Management at 310-521-3860.

Chart 18746 LNM: 35/15

DELTA & RIVERS-DELTA CROSS CHANNEL-CHINOOK SALMON CAPTURE AND MONITORING OPERATIONS

The Bureau of Reclamation will be conducting fall-run Chinook salmon capture, tagging, and monitoring device installations Mon-Fri, until 13 Nov 15 in the vicinity of Delta Cross Channel and Deadhorse Island. There will be 11 acoustic telemetry devices and four biosonic DTX hydroacoustic stations installed. Two fyke nets and trammel nets will be fished couple times a week during this time frame and will be marked by floating buoys. Boat number WDV19972H210 will be on scene during project activities. For more details or comments contact Zachary Sutphin at 303-328-8597.

Charts: 18661 18662 LNM: 34/15

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

ORWOOD RD BRIDGE REPLACEMENT- A temporary trestle between the existing bridge and the pipeline bridge had been erected to facilitate construction of the replacement bridge. A temporary orange boom has been placed on the south side of the existing bridge to the north side of the 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-GEORGIANA SLOUGH-BRIDGE

TYLER ISLAND DRAWBRIDGE- The drawspan is secured in the closed-to-navigation position due to mechanical failure. Estimated time of repair is unknown. The bridge provides 13ft vertical clearance above mean high water when closed. Vessels that can transit the bridge while in the closed position may continue to do so at any time. For more details or comments contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18661 LNM: 33/15

DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

FREEPORT DRAWBRIDGE- One leaf of the double bascule drawspan will be secured in the closed-to-navigation position until 10 Sep 15 due to bridge repairs. The bridge provides 29ft vertical clearance above mean high water when closed. Vessels that can transit the bridge while in the closed position may continue to do so at any time. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Chart 18662 LNM: 32/15

DELTA & RIVERS-SACRAMENTO RIVER-ISLETON-DREDGING

Aquatic Environments will be conducting dredging operations in the vicinity of Vieira's Resort (also known as Ida Island) and Long Island Property

DELTA & RIVERS-SACRAMENTO RIVER-ISLETON-DREDGING

Owner's Association approximately 1nm south of the Isleton bridge until 31 Oct 15. Ellicott dredge KATHLEEN ROSE, a push tug, and a work boat will be on site monitoring VHF-FM Chan. 09 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Project Manager Jeff McCormick at 925-765-1494.

Chart 18661 LNM: 29/15

DELTA & RIVERS-SAN JOAQUIN RIVER-CONSTRUCTION

Dutra Construction will be removing the existing stone barrier and the 40ft sheet pile extending into the channel from both banks of West False River between Jersey and Bradford Island. Work will be conducted for 24 hours a day from 04 Sep 15 through 25 Nov 15. Tugs and barges will be transiting through Three Mile Slough Bridge at all hours heading to and from Dutra Rio Vista. CB 8, DB 3, and CB 1; along with six flat deck barges and assorted smaller work boats will be on site monitoring monitor VHF Chan. 16 and 07A. Floating caution signs will be deployed and construction signs will be placed both upstream and downstream of the construction area. Mariners are advised that this waterway will be blocked by the construction activity. For more details or comments contact Todd Bruce at 415-258-6876. For a detailed diagram of the rock barrier and associated sheet pile being removed, see False_River_Barrier.pdf in the enclosure section.

Chart 18660 LNM: 34/15

DELTA & RIVERS-SNODGRASS SLOUGH-BRIDGE

TWIN CITIES ROAD DRAWBRIDGE- Secured closed-to-navigation due to damage from land traffic. The bridge provides approximately 17ft vertical clearance above mean high water when closed. ETR is unknown. For more details or comments contact the District Bridge Administrator at 510-437-3516.

Chart 18662 LNM: 22/15

DELTA & RIVERS-STOCKTON–DREDGING

Pierside dredging will be conducted in the Port of Stockton at 37-57-25N 121-21-30W 24 hours daily until 11 Nov 15. Mariners are requested to transit the area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585.

Chart 18663 LNM: 34/15

ESTERO BAY-CAYUCOS-MARINE CONSTRUCTION

Associated Pacific Constructors Inc. will conduct marine construction at the Cayucos Pier in Cayucos, CA until December 2015. The project will consist of rehabilitation of the pier pilings, bracing, and decking. Mariners are requested to transit the area with caution. For more details or comments contact Mark Niggle at 805-234-2925.

Chart 18703 LNM: 39/14

LAKE TAHOE-CARNELIAN BAY-FIREWORKS

Monte Foundation will sponsor a fireworks display in the vicinity of Carnelian Bay from 2015-2100, 04 Sep 15. Fireworks will be launched from two barges at approximate position 39-05-18N 119-56-34W. Mariners are requested to transit the area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585 or Kim Gallnick at 831-227-5751.

Chart 18665 LNM: 34/15

LOMPOC-RESEARCH BUOYS

Scripps Institution of Oceanography has deployed two miniature research buoys in the vicinity of Vandenberg Air Force Base at the following positions:

34-52-53.2N 120-39-35.7W - Yellow - 24 inch diameter - Fl Y 4s
34-52-43.9N 120-39-24.6W - Orange - 15 inch diameter

The buoys will be discontinued on or around 30 Sep 15. For more details or comments contact Scripps Tony DePaolo at tdepaol@ucsd.edu.

Chart 18721 LNM: 24/15

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-EL SEGUNDO-SURVEY OPERATIONS

Fugro Pelagos, Inc. will be conducting sub-bottom surveys off of El Segundo during daylight hours until 11 Sep 15. The survey area extends from the shoreline and encompasses an area bounded by the following coordinates:

33-54-52N 118-26-04W
33-54-56N 118-25-47W
33-54-39N 118-26-31W
33-54-10N 118-25-21W

R/V THEORY Theory will be towing up to 100ft of cable during mapping operations. R/V THEORY will monitor VHF-FM Chan. 16 while conducting Survey Operations. For more details or comments contact Project Manager Eddie Stutts at 805-650-7000.

Chart 18744 LNM: 35/15

LONG BEACH-MIDDLE HARBOR-DEMOLITION

As part of the Middle Harbor Pier E Slip 1 Fill and D28 Demolition project, Manson Connolly Joint Venture (MCJV) has constructed an underwater

LONG BEACH-MIDDLE HARBOR-DEMOLITION

containment dike in the East Basin of Middle Harbor at the Port of Long Beach. This dike is marked by two 5ft diameter yellow buoys placed approximately 200ft off of the centerline of the dike in 42.5ft of water. The dike will remain in place until further notice. See Long Beach Containment Dike.pdf in the enclosures section for a detailed diagram of dike layout. For more details or comments contact Project Manager Randy Maddox at 206-303-7186.

Chart 18751 LNM: 40/14

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-MOSS LANDING-ROV OPERATIONS

The Monterey Bay Aquarium Research Institute (MBARI) will conduct continuous, unmanned maritime vehicle data collection operations off of Moss Landing from 02-18 Sep 15 between the following coordinates:

36-41-27N 122-58-35W

35-07-13N 122-58-35W

The Wave Glider is designed to conduct scientific data collection operations. It carries no fuel, lubricants, or hydrocarbons. It is wave powered, remotely attended from our Wave Glider Operations Center (WGOC), moving at speeds of around 1kt, and designed to give way or part if encountered by a vessel. The vehicle is approximately 7ft x 2ft (surfboard size), yellow 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 MBRI at 831-775-1700 / wavglider@listserver.mbri.org or Liquid Robotics 24/7 WGOC Operations Center at 888-574-4574 / 408-636-4205.

Chart 18685 LNM: 35/15

NORTHERN CALIFORNIA-LAKE TAHOE LOW WATER LEVEL

Drought conditions have resulted in unusually low water levels on Lake Tahoe. All mariners transiting upon Lake Tahoe are advised to use extreme caution while navigating within a half nautical mile of shore and near any charted hazards.

Chart 18665 LNM: 25/15

NORTHERN CALIFORNIA-RICHMOND-DREDGING

Dutra Construction Company will be conducting dredging operations in Chevron Long Wharf at 37-55-19N 122 24-40W for 24 hours a day from 05 Sep 15 through 30 Nov 15. Dredged material will be disposed of at the Montezuma Upland and SFDODS disposal sites. Clamshell dredges DB 24 and/or BEAVER; along with tugs SARAH REED 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 Superintendent Dennis Salyers at 415-497-5289

Chart 18652 LNM: 35/15

PETALUMA RIVER-BRIDGE

U.S. 101 BRIDGE REPLACEMENT PROJECT- Temporary cofferdams will be installed around the being-replaced bridge to facilitate the removal of the piers. The temporary cofferdams will protrude into the channel approximately 4 feet on each side reducing the horizontal clearance down to 92 feet. The corners of the temporary cofferdams will be lighted at night with steady burning reds lights. Heavy equipment tires will be attached to the cofferdams to act as fendering. (See enclosure PetalumaPierCofferdam 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-BRIDGE

HAYSTACK LANDING RAILROAD BRIDGE REPLACEMENT PROJECT- Construction continues on the replacement bridge project. The drawspan will be periodically secured in the closed-to-navigation position during daylight hours from 0600 to 1800 until 19 Oct 15 due to bridge replacement construction. The bridge will be secured in the closed to navigation position for construction during daylight hours and will require four hours advance notice for bridge openings for commercial vessels moving on the tide. Scheduled 30-minute bridge openings will be provided at midday for the passage of accumulated small vessels. The bridge will be secured in the open-to-navigation position nights and weekends when no work is in progress. This temporary deviation has been coordinated with the waterway users. For more details or comments contact the Coast Guard Bridge Office Project Manager at 510-437-3515. For information on on-site work mariners can contact the Sonoma Marin Area Rail Transit District at 415-717-2547.

Chart 18654 LNM: 32/15

POINT ARGUELLO TO DANA POINT-WHALES

NOAA recommends vessels transiting the area between Point Arguello and Dana Point, including the Traffic Separation Schemes in the Santa Barbara Channel and San Pedro Channel, from May through November, should exercise caution and reduce speed. These areas contain populations of endangered blue, humpback and fin whales which 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.). See Whale_Advisory_Zone.pdf in the enclosure section for more details.

POINT ARGUELLO TO DANA POINT-WHALES

NOAA strongly recommends that vessels 300 gross registered tons or larger transiting the Santa Barbara Channel traffic separation scheme in the area between Point Conception and San Pedro Point, Santa Cruz Island do so at speeds not in excess of 10 knots due to endangered whales in this area.

Additional information can be found at: http://channelislands.noaa.gov/management/resource/ship_strikes.html

NOAA is asking for the public's help in tracking whales. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals. Please email to whales@noaa.gov. Please report any collisions with whales or any observed injured or dead whales to NOAA at 877-SOS-WHALe (877-767-9425) or to the U.S. Coast Guard on VHF-FM Chan.16.

Chart 18741 LNM: 20/15

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

REPLACEMENT SCHUYLER HEIM BRIDGE CONSTRUCTION- The temporary falsework has been removed from the completed northbound portion of the replacement bridge. The two temporary eastern trestles remain in place. 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 diagram enclosure 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 will take 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

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

COMMODORE SCHUYLER HEIM BRIDGE REPLACEMENT-The Coast Guard is reviewing a request from the California Department of Transportation to extend the time to complete the construction of the replacement Commodore Schuyler Heim Bridge and the demolition of the existing bridge, mile 4.9, at the Ports of Los Angeles and Long Beach, Los Angeles County, California.

MINIMUM NAVIGATIONAL CLEARANCES:

Existing	Proposed
Horizontal:	Horizontal:
180 ft (54.86 m.) measured pier face to pier face, normal to the axis of the channel.	180 ft (54.86 m.) measured pier face to pier face normal to the axis of the channel.
Vertical:	Vertical:
37.45 feet (11.41 m.) above Mean High Water, when closed to navigation.	47 feet (14.33 m.) above Mean High
163.45 feet (49.82 m.) above Mean High Water, when open to navigation.	

The Coast Guard is soliciting comments from waterway users, and other interested parties, on the time extension and navigational safety issues. Pier protection, clearance gauges, and navigational lighting will be required for the replacement bridge. Comments will be received for the record at the office of Commander (dpw), Eleventh Coast Guard District, Coast Guard Island, Building 50-2, Alameda, California 94501-5100 thru 29 Sep 2015. Comments will be made part of the case record. Drawings showing the location and plans of the bridge are included in the enclosure section at the end of this notice. The Coast Guard Public Notice (11-135a) for this project has been published on the Coast Guard Navigation Center website at http://www.navcen.uscg.gov/?pageName=pnBridges&Active=1&region=11.

Chart 18749 LNM: 35/15

SAN CLEMENTE ISLAND-UNMANNED SURFACE VEHICLE OPERATIONS

The U.S. Navy will be conducting Unmanned Surface Vehicle(USV) operation from R/V ACOUSTIC EXPLORER until 07 Sep 15, approximately 10nm north of Wilson Cove in the following coordinates:

33-06-00N 118-28-08W
33-13-08N 118-27-00W

A 500yd safety zone will be in effect encompassing the navigable waters around the demonstration for the duration of the event. R/V ACOUSTIC EXPLORER will monitor VHF-FM Chan. 12, 13, and 16. Mariners are requested to remain outside the safety zone and transit the nearby area with caution. For more details or comments contact Mark Gillcrist at 619-203-1348.

Chart 18740 LNM: 33/15

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 510-437-3515

Chart 18773 LNM: 21/14

SAN DIEGO BAY-SHIPYARD SEDIMENT SITE-DREDGING

R.E. Staite 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

SAN DIEGO BAY-SHIPYARD SEDIMENT SITE-DREDGING

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 TO SANTA CATALINA ISLAND-DIVE OPERATIONS

The U.S. Navy Undersea Rescue Command (URC) will be conducting continuous diving operations from 07-25 Sep 15 at 33-23-42N 118-21-36W. The HOS DOMINATOR will be on scene monitoring VHF-FM Chan.16. Mariners are directed to maintain a minimum safe distance of 1 NM from the dive site, due to risk of entanglement. For more details or comments contact LT Charles Kreuzberger at 619-545-9188.

Chart 18757 LNM: 35/15

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 will be 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 Bridge Office at 510-437-3515.

Chart 18765 LNM: 33/15

SAN DIEGO-FIREWORKS

Pyro Spectaculars, Inc will sponsor a fireworks display from 2115-2120 on 03 Sep 15. Fireworks will originate from a barge located approximately 500ft southwest of USS MIDWAY. A 420ft radius safety zone centered around the barge will be in affect from 2100-2200. Mariners are directed to remain clear of the safety zone and transit the nearby area with caution. For more details or comments contact Pyro Spectaculars, Inc at 909-355-8120.

Chart 18773 LNM: 35/15

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 EVENT

MCCS-Semper Fit is sponsoring the Water Warrior Event at Oceanside Harbor from 0600 to 2000, 11-12 Sep 15. All different types of racing consists of paddleboards, surf skies, and swimming. Mariners are requested to transit the area with caution, and share the waterway with event participants. For more details or comments contact Jimi Shive at 760-725-6289.

Chart 18765 LNM: 35/15

SAN DIEGO-MARINE EVENT

San Diego Maritime Museum will sponsor a marine event from 1500-1700 on 04-07 Sep 15. Tall ship sailing vessels will be conducting a parade, beginning at the channel entrance, inbound to the Coronado Bridge, and ending at the Maritime Museum. Mock cannon battle will also be conducted intermittently in the vicinity of North Embarcadero from 1100-1330 and 1500-1730 daily, 05-07 Sep 15. Mariners are requested to transit the area with caution. For more details or comments contact Mark Gallant at 619-234-9153 Ext. 148.

Chart 18773 LNM: 34/15

SAN DIEGO-OFFSHORE-ROV OPERATIONS

Liquid Robotics, Inc. (www.liquidr.com) will conduct continuous, unmanned maritime vehicle data collection operations in the vicinity of 32-32-00N 120-30-00W until approximately 20 Nov 15. The Wave Glider is designed to conduct scientific data collection operations. It carries no fuel, lubricants, or hydrocarbons. It is wave powered, remotely attended from our Wave Glider Operations Center (WGOC), moving at speeds of around 1kt, and designed to give way or part if encountered by a vessel. The vehicle is approximately 7ft x 2ft (surfboard size), yellow 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 24/7 WGOC Operations Center at 888-574-4574, 408-636-4205, or email support@liquidr.com with your inquiries.

Chart 18765 LNM: 07/15

SAN DIEGO-POINT LOMA-DGPS UNUSABLE TIME

Unusable time has been authorized for maintenance at the Point Loma, CA DGPS site for the following dates and times:
1700Z-2100Z 09 Sep 15(primary)
1700Z-2100Z 10 Sep 15(alternate)
For more details or comments contact the Navigation Information Service (NIS) at 703-313-5900 or visit the Coast Guard Navigation Center website WWW.NAVCEN.USCG.GOV.

LNM: 35/15

SAN DIEGO-POINT LOMA-DGPS UNUSABLE TIME

Unusable time has been authorized for maintenance at the Point Loma, CA DGPS site for the following dates and times:
15 Sep 15 from 0900 through 1300 Pacific Standard Time (primary)
16 Sep 15 from 0900 through 1300 Pacific Standard Time (alternate)
For more details or comments contact the Navigation Information Service (NIS) at 703-313-5900 or visit the Coast Guard Navigation Center website WWW.NAVCEN.USCG.GOV.

Chart 18773

LNM: 35/15

SAN DIEGO-POINT LOMA-MARINE CONSTRUCTION

Marathon Construction will conduct pile driving and floating dock installation operations until 01 November 15 in the vicinity of Naval Base Point Loma at 32-42-12.5N 117-14-09W. Mariners are requested to transit the area with caution. For more details or comments, contact Danny Kasik at 619-699-9639.

Chart 18773

LNM: 32/15

SAN FRANCISCO BAY- CARQUINEZ STRAIT-BENICIA MARINA-DREDGING

Salt River Construction Corporation will conduct dredging operations in Benicia Marina at 38-02-37N 122-09-26W during daylight hours until 30 Nov 15. The self contained dredge/dump barge DB1 and tug HAYDEN BAY will be on site monitoring VHF-FM Chan. 13, 14, and 77. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Chart 18657

LNM: 32/15

SAN FRANCISCO BAY-ALBANY-MARINE CONSTRUCTION

Dutra Construction Company will conduct marine construction operations at Albany Beach during daylight hours through October 2015. The construction work will consist of excavation and removal of existing concrete rubble revetment, construction of new rock revetment and installation of subtidal habitat enhancement features. The subtidal habitat enhancement features extend approximately 200ft beyond the new shoreline revetment and may be submerged at high tide. The work area will span approximately 1800ft of shoreline in an area bound by the following coordinates:
37-53-21N 122-19-24W
37-53-22N 122-18-57W
37-53-18N 122-19-24W
37-53-17N 122-18-57W
A turbidity curtain is in place encapsulating the boundaries of the revetment work. The turbidity curtain is anchored and equipped with lighted boom markers. Large Construction equipment along with miscellaneous work skiffs will be utilized on this project. The shore-side crew will monitor VHF-Chan. 07A and 16. Mariners are requested to transit the area with caution and minimize wake in the vicinity of the construction site. For more details or comments contact Jason Tse at 415-300-5336.

Chart 18649

LNM: 31/15

SAN FRANCISCO BAY-BRISBANE MARINA-DREDGING

Dutra will conduct continuous dredging operations in the Brisbane Entrance Channel and Marina at 37-40-21N 122-22-11W until 30 Nov 15. Dredging within the marina will be limited to the hours of 0700-1900 weekdays and 0900-1700 on weekends. Dredged material will be disposed of at the SF-11 disposal site. A temporary mooring buoy will be established at 37-40-36N 122-21-51W for the duration of the project. The mooring buoy is 10ft round, white with a blue stripe, and lighted at night with a Fl W 4s characteristic. Clamshell dredges DB 24 and DB 23; along with and tug BECKY T will monitor VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Operations Manager Dennis Salyers at 415-497-5289.

Chart 18649

LNM: 20/15

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 be moved 135ft south in the same span and 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-DREDGING

Salt River Construction will conduct dredging operations in the Paradise Cay Homeowners Channel at 37-54-53N 122-28-32W until 30 Nov 15. The dredge/dump barges DB1 and DB2, along with tug IRENE LAURITZEN will monitor VHF-FM Chan. 13, 14, and 77. There will be a 150ft silt curtain extending to the north from the Trinidad Drive Spit. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Chart 18653 LNM: 28/15

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-LARKSPUR-DREDGING

Dutra will conduct continuous dredging operations in the Larkspur Ferry Terminal Berths and Larkspur Channel at 37-56-41N 122-30-29W until 30 Nov 15. A temporary mooring will be established at 37-55-47N 122-27-39W until 20 Oct 15. The mooring buoy is 10ft round, white with a blue stripe, and lighted at night with a Fl W 4s characteristic. Dredging within the berths will be limited to the hours of 0700-2100. Dredged material will be disposed of at the SF-11 and SF-DODS disposal sites. Clamshell dredges DB 24 and DB 3; along with tugs ARTHUR BRUSCO and HEIDI L will monitor VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Operations Manager Dennis Salyers at 415-497-5289.

Chart 18649 LNM: 25/15

SAN FRANCISCO BAY-MARE ISLAND STRAIT-DREDGING

Mare Island Drydock LLC will conduct maintenance dredging at Mare Island ship yard at 38-5-43W 122-15-50N until 15 Oct 15. Vessels will be transporting material north on the Napa River to the Dutchman Slough. Dredge Barge SONNIE DELIGHT, Barge GRETA JEAN; along with Tugs TRIG LIND and SHELLEY LIND will be on site monitoring VHF-FM Chan. 11. Mariners are requested to transit the area with caution. For more details or comments contact Kevin Tweed of Bay Marine Services at 415-798-0007.

Chart 18655 LNM: 34/15

SAN FRANCISCO BAY-OAKLAND INNER HARBOR-SHOALING

Shoaling has been reported on the south side of the the Oakland Inner Harbor South Channel in the east passage through the Fruitvaile Ave. bridge. 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 the Port of Oakland at 37-48-38N 122-19-36W until 30 Sep 15. Dredged material will be disposed of at the Montezuma Upland and SFDODS disposal sites. Clamshell dredges DB 24 and/or BEAVER; along with tugs SARAH REED, POINT VICENTE, PHYLLIS T, 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 Superintendent Dennis Salyers at 415-497-5289.

Chart 18649 LNM: 29/15

SAN FRANCISCO BAY-PETALUMA RIVER–DREDGING

Channel dredging will be conducted 24 hours a day in the vicinity of Petaluma River at 38-06-36N 122-28-12W from 08 Sep 15 to 24 Oct 15. Mariners are requested to transit the area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585.

Chart 18654 LNM: 34/15

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 RAFAEL BAY-DREDGING

Salt River Construction Corporation will conduct dredging operations in Loch Lomond Marina at 37-58-15N 122-29-02W until 15 Oct 15. Self contained dredge/dump barges DB3, DB4, and PC-100; along with tugs; IRENE LAURITZEN and BRANDY BAR will be on site monitoring VHF-FM Chan. 13, 14, and 77. There will be two anchor balls placed in the marina entrance channel during operations. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Chart 18653 LNM: 21/15

SAN FRANCISCO BAY-SAN RAFAEL-DREDGING

Salt River Construction Corporation will conduct dredging operations in Marina Vista Improvement Club Canal at 37-58-15N 122-29-43W from 10 Sep 15 through 10 Oct 15. The self contained dredge/dump barges DB1; along with tugs IRENE LAURITZEN and HAYDEN BAY will be on site monitoring VHF-FM Chan. 13, 14, and 77. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

SAN FRANCISCO BAY-SAN RAFAEL-DREDGING

Chart 18652 LNM: 35/15

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 will be 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 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 - The Coast Guard Safety Zone covering the main channel span between piers "G" & "H" has been discontinued. All vessels passing through the bridge east of YBI are now directed to use the "G-H" span until demolition of the rest of the bridge is complete. A new Safety Zone will be announced to prohibit vessel transit through the demolition area, east of Pier "H". This safety zone will be established to protect mariners from the dangers associated with over-head demolition and debris removal operations of the SFOBB. 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. Mariners are requested to avoid the demolition area of the old bridge by using the "G-H" main channel span or transiting west of YBI. The "I-J" span and the rest of the bridge under demolition are no longer safe for the general passage of vessels. 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 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 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 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 Eleventh Coast Guard District Bridge Office Project Manager at 510-437-3515.

Chart 18650 LNM: 43/08

SAN FRANCISCO-OAKLAND BAY BRIDGE (WEST OF YBI)

SAN FRANCISCO/OAKLAND BAY BRIDGE-WEST OF YBI- CALTRANS has installed a painting traveler in the "B-C" span reducing vertical clearance by 5ft. The painting traveler is lighted at night with red lights. A section of steel and plastic timber fendering is missing from the south east corner of Pier "C" and is presumed sunk at the base of the pier. Mariners are advised to avoid direct contact with the pier. Caltrans is performing fog signal and electrical work on the San Francisco/Oakland Bay Bridge, west of YBI, at piers A through E. The decorative white lighting around the pier bases may be affected. Mariners are requested to transit the area with caution. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18649 LNM: 26/15

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 30 Sep 15. 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). Two personal watercraft will be used to conduct cross shore transects from within the surf zone out to 12NM from shore. 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 end of the time interval, with up to two additional surveys to document the effects of large wave events on seafloor morphology. For more details or comments contact George Tate at 831-460-7484.

Chart 18680 LNM: 07/15

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

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

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

SECTION VIII - LIGHT LIST CORRECTIONS

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
7105	STOCKTON CHANNEL RANGE H REAR LIGHT 460 yards, 115.0° from front light. *	37-59-00.090N 121-23-04.701W	Iso G 6s	43		KRW on skeleton tower.	Visible all around; higher intensity on the rangeline.	35/15

PUBLICATION CORRECTIONS

None

ENCLOSURES

SOUTHERN CALIFORNIA-MARINE SAFETY INFORMATION BULLETIN

MSIB Voluntary Traffic Lane 11-09.pdf

See link above.

LNM: 09/10

MARINE SAFETY INFORMATION BULLETIN

CFV Work Lights MSIB.pdf

See link above.

LNM: 34/15

LONG BEACH-MIDDLE HARBOR-DEMOLITION

Long Beach Containment Dike.pdf

See link above.

LNM: 40/14

PETALUMA RIVER-BRIDGE

CofferdamLighting_US101_Petaluma.pdf PetalumaPierCofferdam2.pdf

See link above for Cofferdam Lighting Diagram

LNM: 26/13

POINT ARGUELLO TO DANA POINT-WHALES

Whale_Advisory_Zone.pdf

See link above.

LNM: 20/15

SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION

SpeedReductionZone.pdf

See link above

LNM: 17/15

DELTA & RIVERS-SAN JOAQUIN RIVER-SALT WATER BARRIER

False_River_Barrier.pdf

See link above.

LNM: 16/15

POINT ARGUELLO-RESEARCH BUOYS

Research_Moorings.pdf

See link above.

LNM: 22/15

SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)

temp_falsework.pdf barge_lighting.pdf Barge_Anchor_Diagram_02.pdf

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

Chart 18649

LNM: 24/15

WERNER DREDGE CUT-ORWOOD BRIDGE REPLACEMENT PROJECT

Orwood_Lighting_Diagram.pdf

See Link Above

Chart 18661

LNM: 25/15

SAN CLEMENTE ISLAND-WATERWAY SURVEY ANNOUNCMENT

San_Clemente_WAMS.pdf

See link above

LNM: 25/15

SAN FRANCISCO BAY-HUNTERS POINT-SAFETY ZONE

HuntersPointSafetyZone.pdf

See link above

LNM: 27/15

SAN DIEGO-DEL MAR-SAN DIEGUITO RIVER-BRIDGE

NCTD_RR_Bridge_San_Dieguito_River.pdf

See link above.

Chart 18765

LNM: 33/15

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

Heim_Bridge_Replace_Project_Encl.pdf

See link above for Commodore Schuyler Heim Bridge Replacement Project Drawings

LNM: 35/15

REPORT OF DELAY AT DRAWBRIDGE

DelayRept0207.pdf

Use link above to Report a Delay at a Drawbridge.

LNM: 06/07

THE LOCAL NOTICE TO MARINERS IS AVAILABLE ON THE WORLD WIDE WEB AT WWW.NAVCEN.USCG.GOV/.

A. E. Wirts
U.S. Coast Guard
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 theses 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.

MARINE SAFETY/SECURITY
INFORMATION BULLETIN (MSIB) 15-07

Coast Guard Sector San Francisco
Department of Homeland Security

Safety Alert:
Commercial Fishing Vessel "Work-Lights" Create Potential Night Time Navigation Hazard

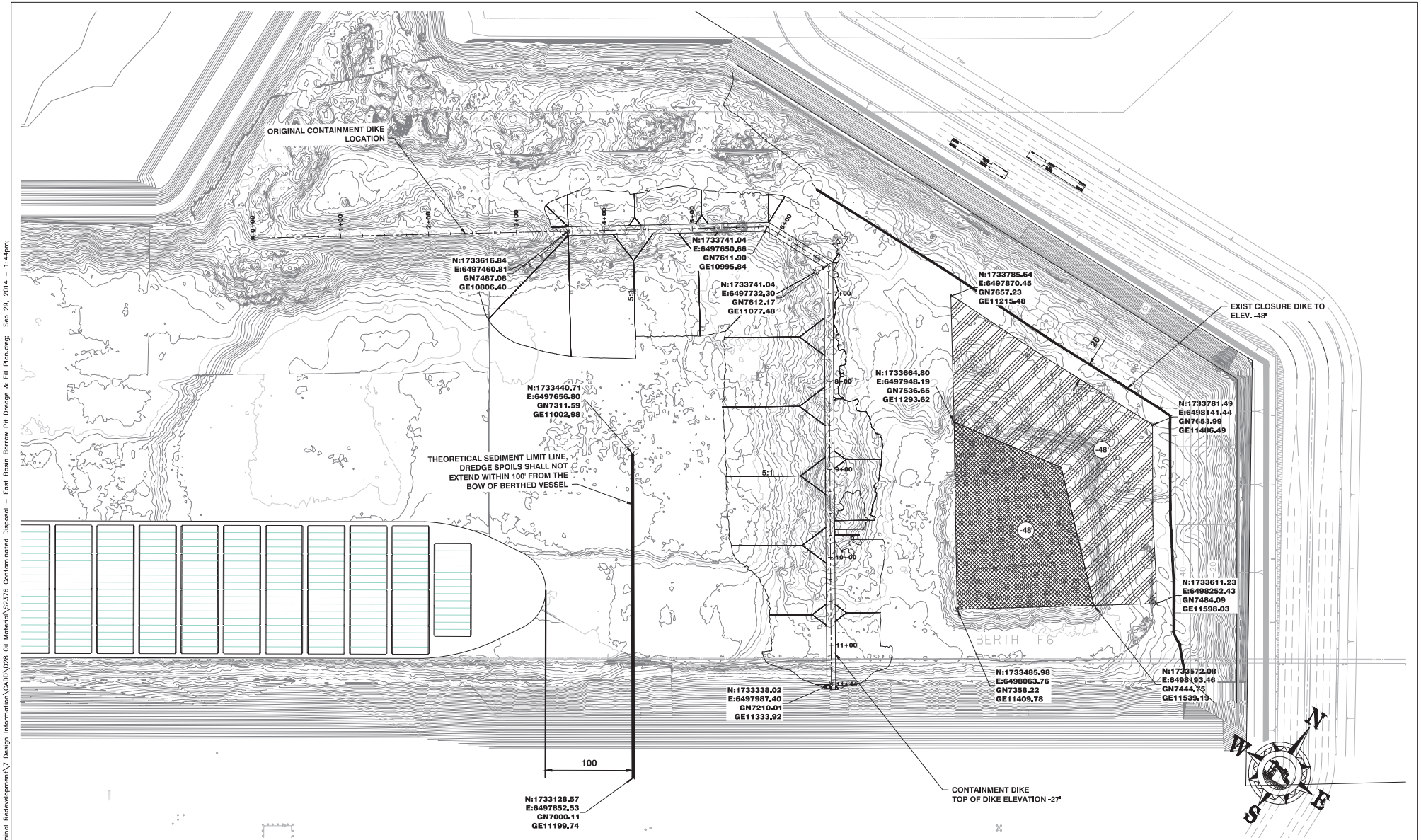
Mariners directing the movement of large ships in or near the offshore approaches to San Francisco Bay have indicated to the Coast Guard that the high-intensity "work-lights" used by commercial fishing vessels prevent vessel operators from seeing the commercial fishing vessel's navigation lights at night and in low visibility conditions.

A clear and present threat to navigation safety exists when one vessel cannot see the navigation lights of another vessel. If navigation lights are obscured, the aspect of the latter vessel cannot be determined making it extremely difficult for both vessels to successfully execute the nautical rules of the road. International Navigation Rule 20 states that no other lights that may impair the visibility of the lights specified in the Rules shall be displayed from sunrise to sunset and during periods of low visibility. Vessels found to be in violation of Rule 20 may be subject to a $6,500 fine.

All vessels operating near the San Francisco Bay inbound or outbound off-shore traffic lanes are required to comply with the Navigation Rules as they pertain to navigation lights. Vessels are also encouraged to maintain an active listening watch on VHF/FM Channels 13 and 16 and, when the intentions of another vessel are unclear, communicate to make arrangements to reduce the risk of collision.

Sincerely,

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



LEGEND

(-48') PROPOSED DREDGE DEPTH

PROPOSED DREDGE LIMITS

ADDITIONAL DREDGE AREA

NOTE

DATE OF SURVEY 07/23/14, 08/14/14, 08/25/14, & 09/17/14

HORIZONTAL SCALE

50' 0' 50' 100'

SCALE: 1"=50'

The Port of LONG BEACH

925 HARBOR PLAZA, P.O. BOX 570
LONG BEACH, CALIFORNIA
TEL. (562)-427-0041

SEP 23, 2014

PIER E TERMINAL REDEVELOPMENT
SLIP NO. 1 FILL

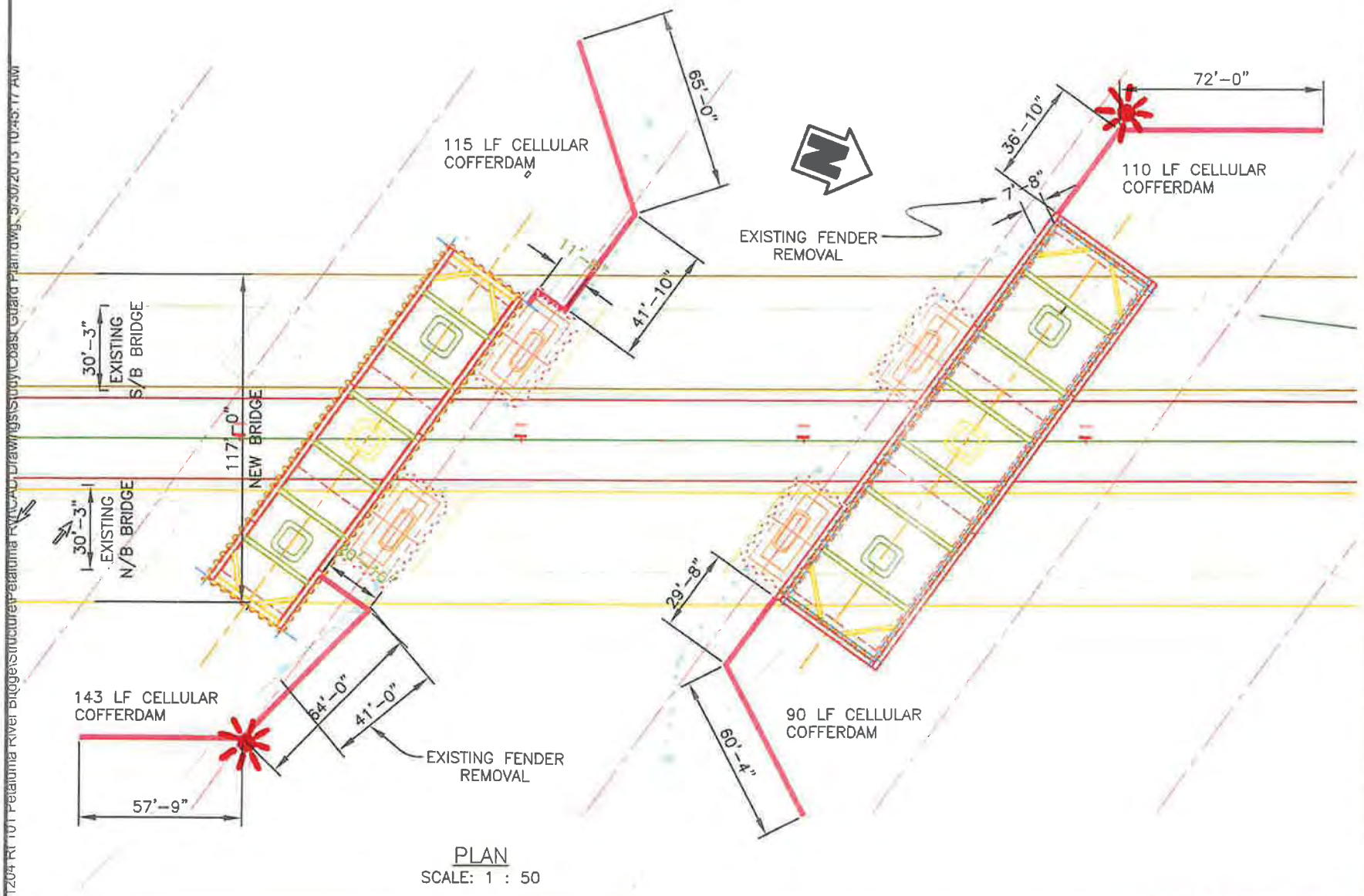
D28 CONTAINMENT AREA FOR
EAST BASIN BORROW SITE
AND
DISPOSAL AREA

FIG 1 of 1

P:\5469-01 Pier E Terminal Redevelopment\7 Design Information\CADD\D28 Oil Material\52376 Contaminated Disposal – East Basin Borrow Pit Dredge & Fill Plan.dwg, Sep 29, 2014 – 1:44pm;

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.



PLAN
SCALE: 1 : 50

CC MYERS INC.
3286 Fitzgerald Road, Rancho Cordova, CA 95742
P.O. Box 2948, Rancho Cordova, CA 95741
916-635-9370 Fax 916-635-1527

PETALUMA RIVER BRIDGE
COAST GUARD GENERAL PLAN

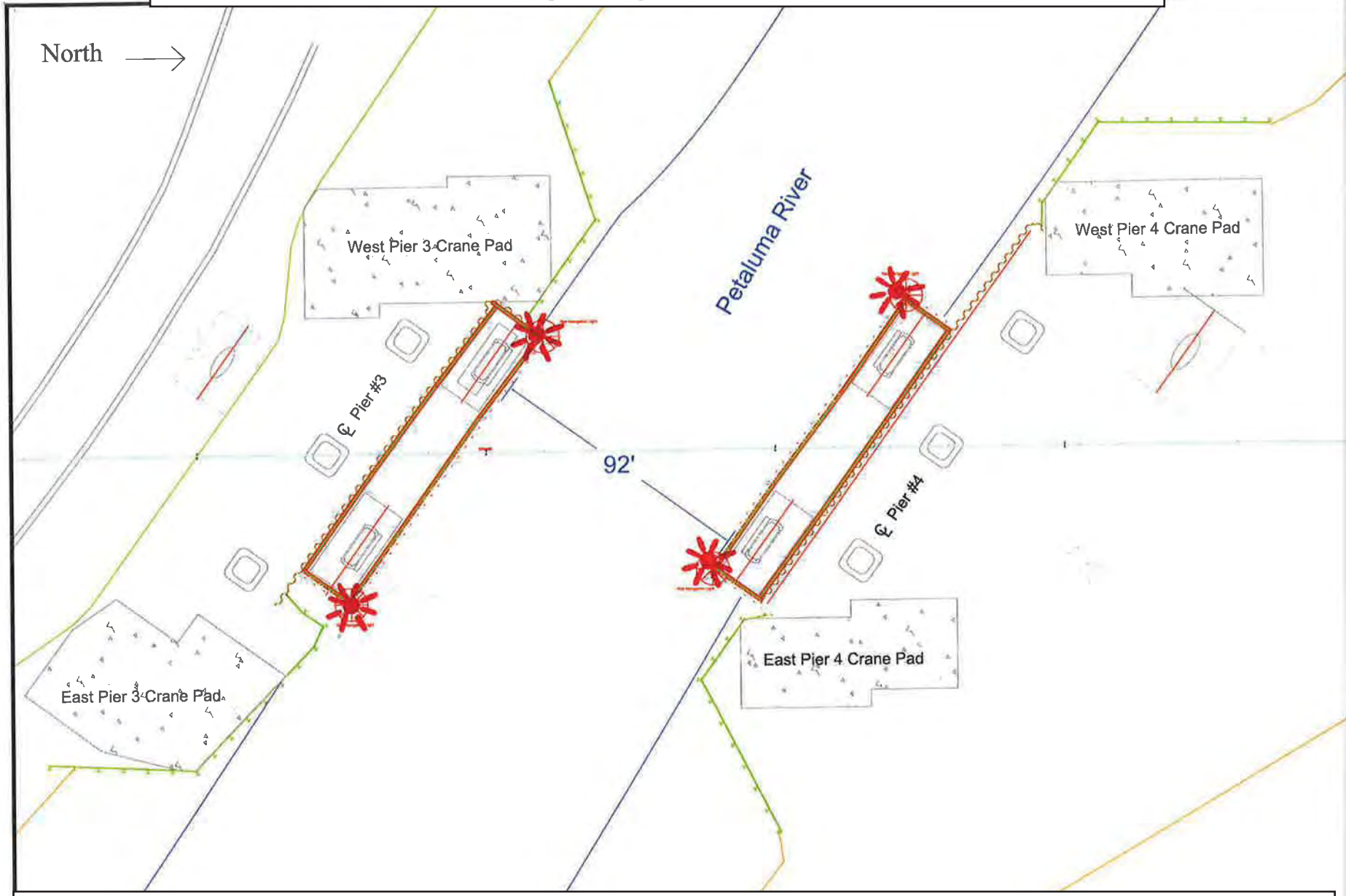
PROJECT: PETALUMA RIVER BRIDGE (REPLACE)
MYERS JOB NUMBER: 1204 CONTRACT NO: 04-2640U4

SHEET NUMBER: 1 OF 1 SHEETS

Coast Guard Plan

ENCLOSURE ( )

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



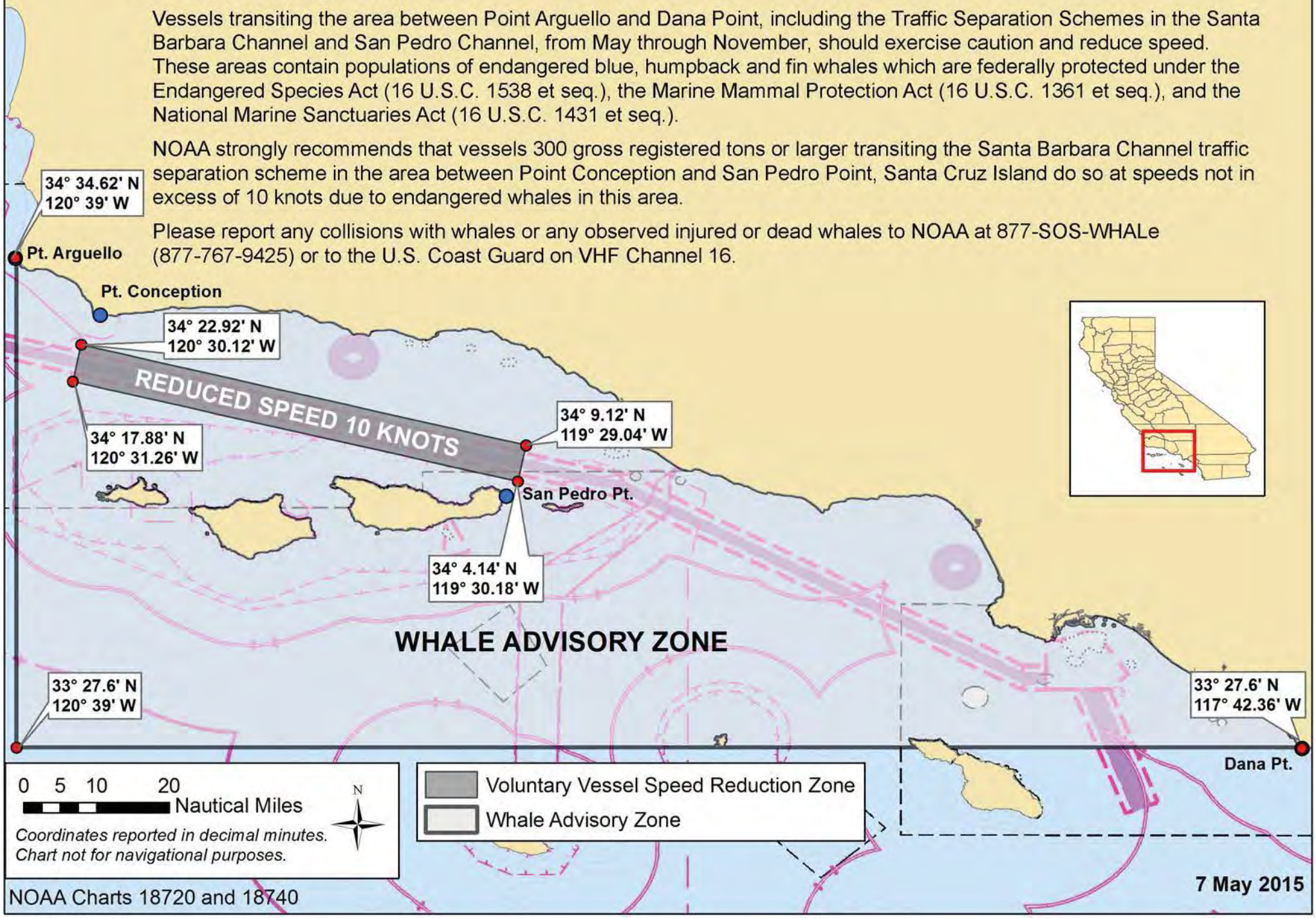
Temporary cofferdams will installed to facilitate the removal of the being-replaced bridge piers. The cofferdams will protrude 4 feet into the channel on each side of the river reducing horizontal clearance at the bridge by 8 feet, leaving 92 feet of horizontal clearance at the work site. Each corner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

WHALE ADVISORY ZONE AND VOLUNTARY VESSEL SPEED REDUCTION ZONE TO REDUCE COLLISIONS BETWEEN SHIPS AND WHALES

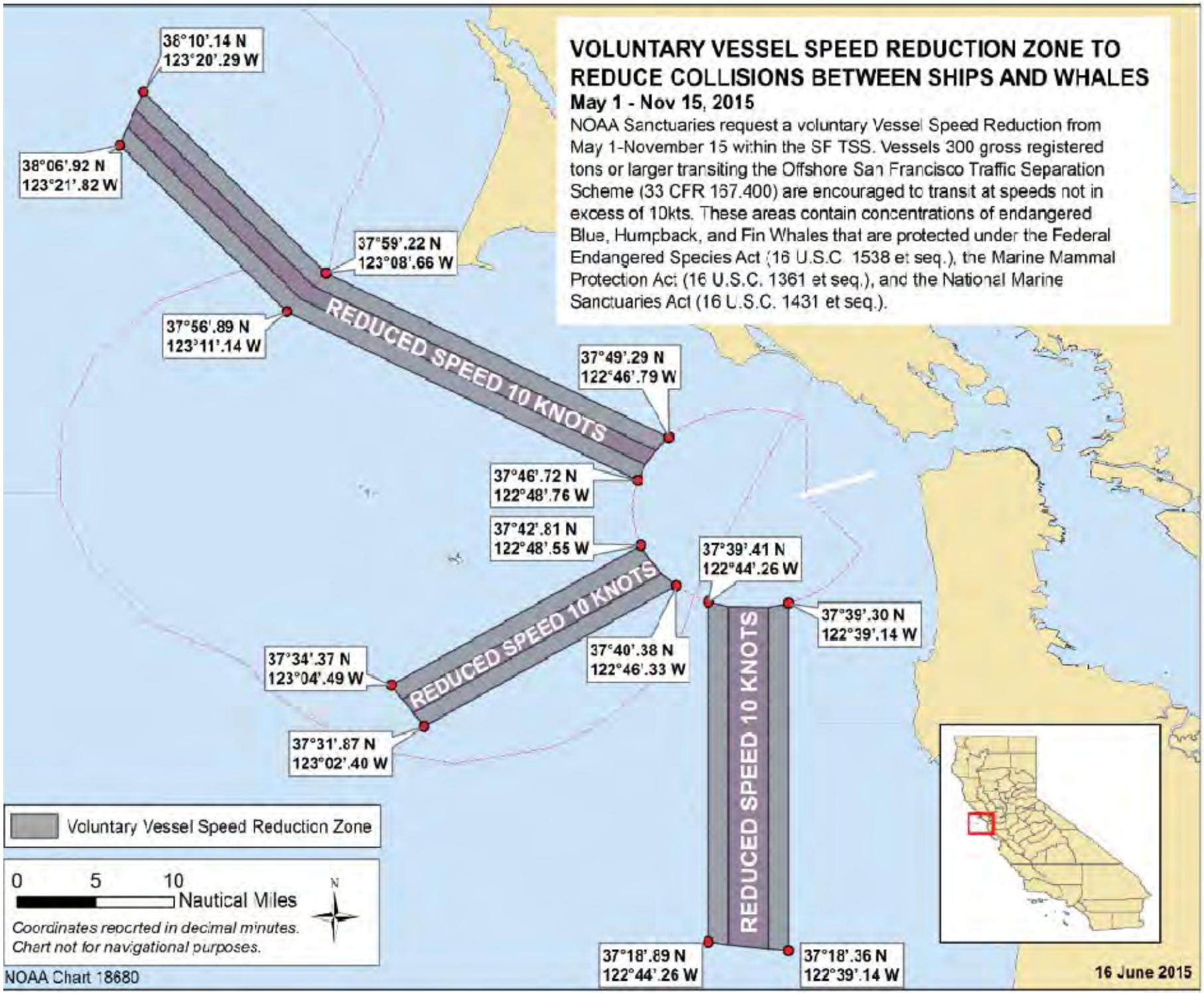
Vessels transiting the area between Point Arguello and Dana Point, including the Traffic Separation Schemes in the Santa Barbara Channel and San Pedro Channel, from May through November, should exercise caution and reduce speed. These areas contain populations of endangered blue, humpback and fin whales which 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.).

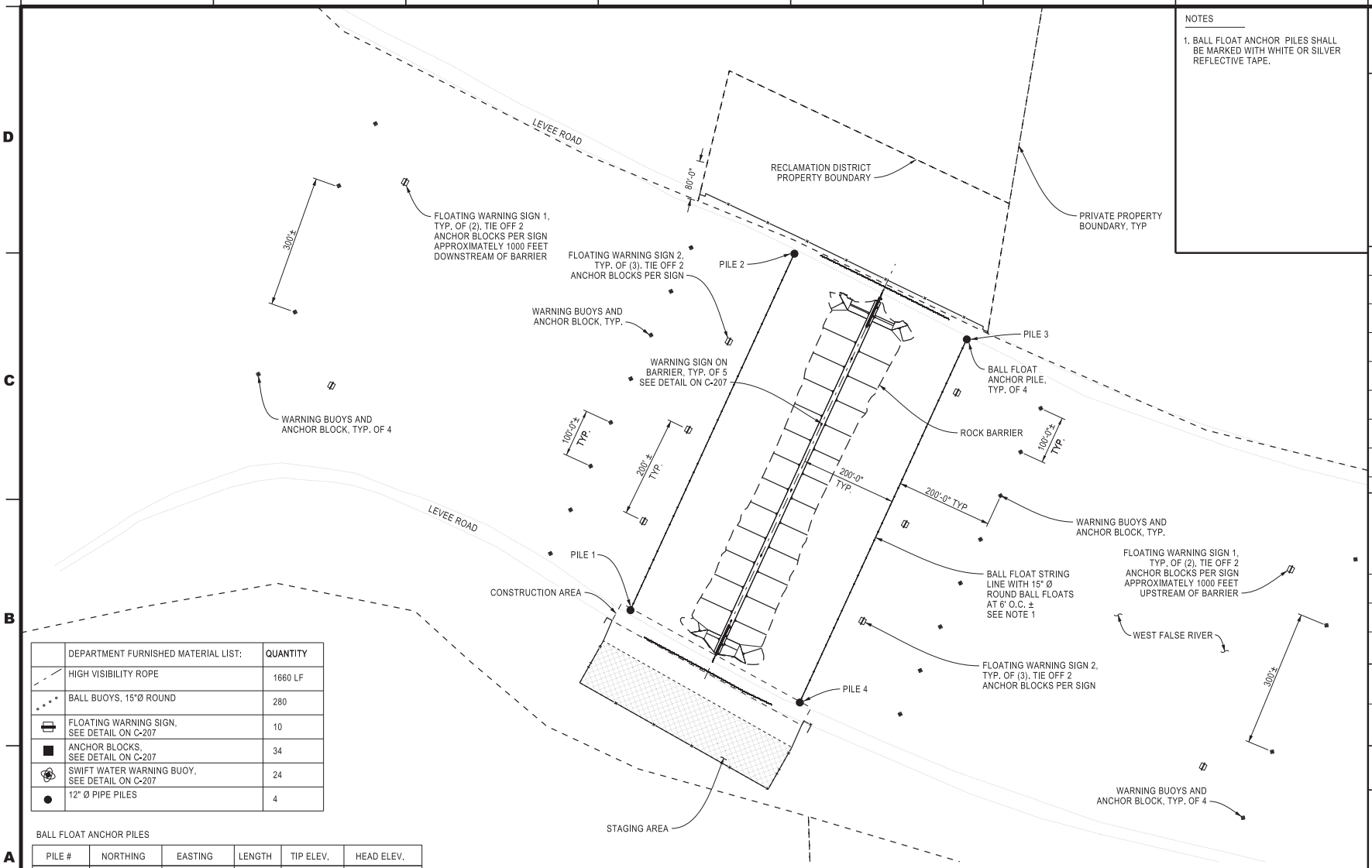
NOAA strongly recommends that vessels 300 gross registered tons or larger transiting the Santa Barbara Channel traffic separation scheme in the area between Point Conception and San Pedro Point, Santa Cruz Island do so at speeds not in excess of 10 knots due to endangered whales in this area.

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



NOAA Charts 18720 and 18740


VOLUNTARY VESSEL SPEED REDUCTION ZONE TO REDUCE COLLISIONS BETWEEN SHIPS AND WHALES
May 1 - Nov 15, 2015
NOAA Sanctuaries request a voluntary Vessel Speed Reduction from May 1-November 15 within the SF TSS. Vessels 300 gross registered tons or larger transiting the Offshore San Francisco Traffic Separation Scheme (33 CFR 167.400) are encouraged to transit at speeds not in excess of 10kts. These areas contain concentrations of endangered Blue, Humpback, and Fin Whales that are protected under the Federal 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.).
38°10'.14 N
123°20'.29 W
38°06'.92 N
123°21'.82 W
37°59'.22 N
123°08'.66 W
37°56'.89 N
123°11'.14 W
REDUCED SPEED 10 KNOTS
37°49'.29 N
122°46'.79 W
37°46'.72 N
122°48'.76 W
37°42'.81 N
122°48'.55 W
37°39'.41 N
122°44'.26 W
37°39'.30 N
122°39'.14 W
37°40'.38 N
122°46'.33 W
37°34'.37 N
123°04'.49 W
REDUCED SPEED 10 KNOTS
37°31'.87 N
123°02'.40 W
REDUCED SPEED 10 KNOTS
37°18'.89 N
122°44'.26 W
37°18'.36 N
122°39'.14 W
Voluntary Vessel Speed Reduction Zone
0 5 10 Nautical Miles
N
Coordinates reported in decimal minutes.
Chart not for navigational purposes.
NOAA Chart 18680
16 June 2015



BUOY LAYOUT PLAN

SCALE: 1"= 100'

0 50 100

NOTES

1. BALL FLOAT ANCHOR PILES SHALL BE MARKED WITH WHITE OR SILVER REFLECTIVE TAPE.

	DEPARTMENT FURNISHED MATERIAL LIST:	QUANTITY
	HIGH VISIBILITY ROPE	1660 LF
	BALL BUOYS, 15"Ø ROUND	280
	FLOATING WARNING SIGN, SEE DETAIL ON C-207	10
	ANCHOR BLOCKS, SEE DETAIL ON C-207	34
	SWIFT WATER WARNING BUOY, SEE DETAIL ON C-207	24
	12" Ø PIPE PILES	4

BALL FLOAT ANCHOR PILES

PILE #	NORTHING	EASTING	LENGTH	TIP ELEV.	HEAD ELEV.
PILE 1	2209416.92	6224078.77	40'	-28.0'	+12'
PILE 2	2210158.26	6224419.52	40'	-28.0'	+12'
PILE 3	2209980.06	6224777.84	40'	-28.0'	+12'
PILE 4	2209224.89	6224430.73	40'	-28.0'	+12'

STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

REV.	DESCRIPTION	SUB.	APP.

REGISTERED PROFESSIONAL ENGINEER JAMES M. LOPES No. 62184 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

DESIGNED:	CHECKED:
DOMINIC TONEL REG. C.E. No. 76498	KARI M. BIANCHINI REG. C.E. No. 73648
DRAWN:	REVIEWED:
DOMINIC TONEL REG. C.E. No. 76498	JAMES M. LOPES REG. C.E. No. 62184

SUBMITTED:
JAMES M. LOPES
REG. C.E. No. 62184

APPROVAL RECOMMENDED: DATE:
TRU VAN NGUYEN
CHIEF, GENERAL ENGINEERING SECTION, REG. C.E. No. 55947

APPROVED: DATE:
JOSEPH W. ROYER
CHIEF, GEOTECH, SERVICES BRANCH, REG. C.E. No. 52754

THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES
DROUGHT EMERGENCY

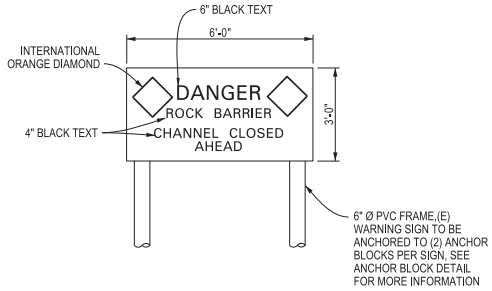
TEMPORARY ROCK BARRIER
2015

WEST FALSE RIVER

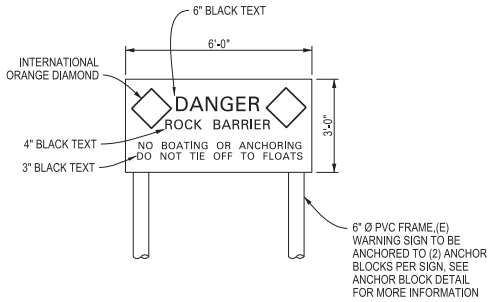
BUOY LAYOUT PLAN

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
15-04	007		C-206

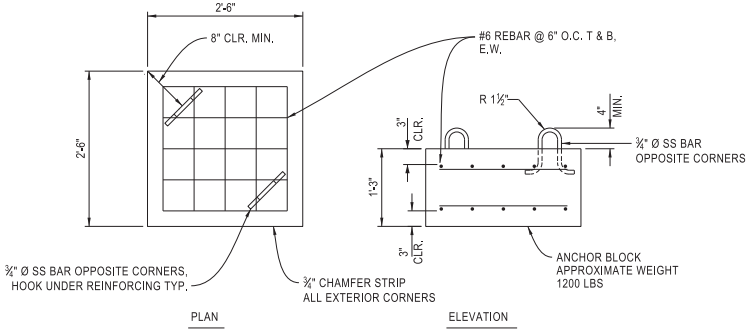
VI= Plot.BW.11x17.PEN
4/17/2015



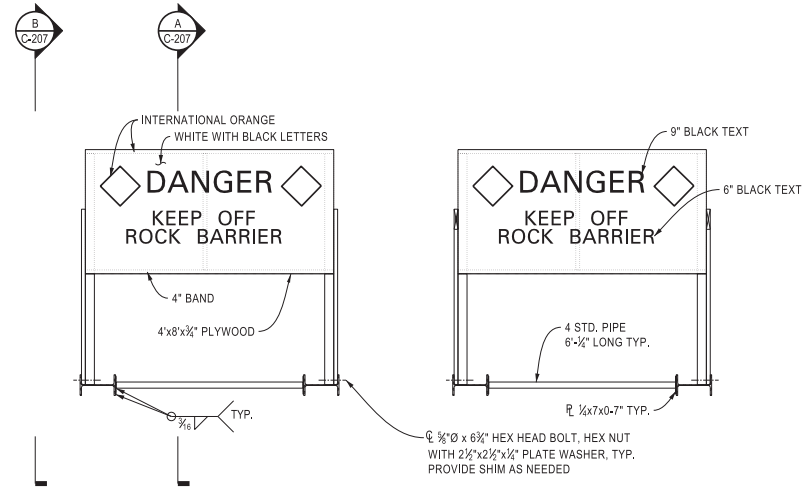
FLOATING WARNING SIGN 1
SCALE 1" : 2'



FLOATING WARNING SIGN 2
SCALE 1" : 2'

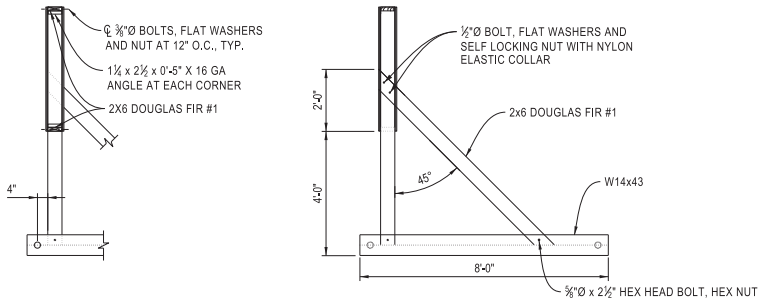


ANCHOR BLOCK
SCALE 1" : 1'



DOWNSTREAM FACE OF SIGN
SCALE 1" : 2'

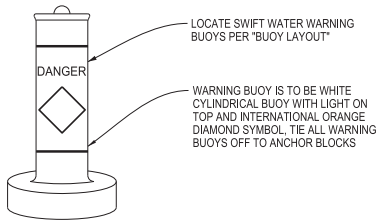
UPSTREAM FACE OF SIGN
SCALE 1" : 2'



A SECTION
SCALE 1" : 2'

B SECTION
SCALE 1" : 2'

WARNING SIGN ON BARRIER
TOTAL 5 SIGNS



WARNING BUOY
SCALE 1" : 1'

STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

REV.	DESCRIPTION	SUB.	APP.

DESIGNED: DOMINIC TONEL, REG. C.E. No. 76498
CHECKED: KARI M. BIANCHINI, REG. C.E. No. 73648
DRAWN: DOMINIC TONEL, REG. C.E. No. 76498
REVIEWED: JAMES M. LOPES, REG. C.E. No. 62184
SUBMITTED: JAMES M. LOPES, REG. C.E. No. 62184
APPROVAL RECOMMENDED: DATE:
TRU VAN NGUYEN, CHIEF, GENERAL ENGINEERING SECTION, REG. C.E. No. 55947
APPROVED: DATE:
JOSEPH W. ROYER, CHIEF, GEOTECH. SERVICES BRANCH, REG. C.E. No. 52754

THINK SAFETY - ACT SAFELY

STATE WATER FACILITIES
DROUGHT EMERGENCY

TEMPORARY ROCK BARRIER
2015

WEST FALSE RIVER

DETAILS

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
15-04	008		C-207

VI= Plot.BW.11x17.PEN
4/17/2015

Exhibit 1, Proposed Locations of the Science Monitoring Piles for Water Quality and Water Level Upstream and Downstream of West False River

Table for the locations of the piles

Priority	Station Name	Latitude	Longitude
1	Fisherman's Cut near Franks Tract	38.0656	-121.6479
1	Frank's Tract, mid tract	38.046417	-121.5981
1	Steamboat Slough below barrier	38.191267	-121.637881
1	Sacramento @Steamboat	38.172167	-121.64735
2	San Joaquin River at Twitchell Island	38.0969	-121.6691
2	Miner Slough near Sacramento River	38.236029	-121.666072
2	Liberty Island	38.243006	-121.684267
2	Sac Pair 1 (shore)**	38.074147	-121.761742
2	Old River	37.967951	-121.57443
2	Middle River	37.941951	-121.532427
2	Cutoff near Ryer*	38.085783	-121.995833
2	Grizzly Bay*	38.12425	-122.038117
2	Honker Bay	38.0724	-121.9392
	preferred Sacramento River pile	38.17548	-121.656863
	Alternate location	38.172458	-121.644087

*One site or the other not both of these

**This location may move slightly, this is as close as we can get for now

Navigational Aid Anchorage Pile Locations at the Barrier Site

Exhibit 2, Location of piles anchoring the float lines and the alignment of the West False River Emergency Drought Barrier

Exhibit 3, Shows a typical Installation of a 12-inch Diameter Pile with Monitoring Equipment Mounted.

SANTA MARIA RIVER to VANDENBERG AFB - Oceanographic Research

A group of oceanographic institutions will be conducting oceanographic research along the coast from the Santa Maria River to Vandenberg AFB. Moorings will be deployed from R/V Oceanus and a 25 ft RHIB from 11 June until 15 June. R/V Oceanus will also conduct survey operations during this time. The moorings will remain in place until recovered by R/V Oceanus and a 25 ft RHIB on or about 02 August to 06 August. The vessels will monitor VHF FM Channels 13, 14, and 16. Mariners are requested to keep a safe distance from research vessels and moorings. For additional information, contact John Colosi (831.431.0118) or Jamie MacMahan (831.656.2379), Naval Postgraduate School.

Chart 18700

Oceanographic Research Moorings					
	Position	Instrument Type	Surface Marker	Light	Deploy/Recovery Date
A.	34-52-44.14 N 120-39-9.64 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
B.	34-53-44.96 N 120-38-54.13 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
C.	34-53-48.82 N 120-40-16.78 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
D.	34-53-44.71 N 120-40-34.13W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
E.	34-54-2.85 N 120 40 40.37 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
F.	34-54-36.79 N 120-40-34.70 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
G.	34-55-7.40 N 120-40-23.19 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
H.	34-55-38.83 N 120-41-3.72 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
I.	34-55-39.21 N 120-40-16.10 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
J.	34-55-52.18 N 120-40-22.53 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
K.	34-56-22.43 N 120-40-6.98 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
L.	34-56-16.95 N 120-39-49.97 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
M.	34-56-3.17 N 120-39-57.63 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15

Oceanographic Research Moorings cont'd					
	Position	Instrument Type	Surface Marker	Light	Deploy/Recovery Date
N.	34-55-49.00 N 120-40-8.56 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
O.	34-55-39.17 N 120-40-1.44 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
P.	34-55-29.11 N 120-40-1.28 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
Q.	34-55-10.91 N 120-40-4.19 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
R.	34-54-56.31 N 120-40-8.29 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
S.	34-54-39.61 N 120-40-14.08 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
T.	34-54-23.66 N 120-40-19.37 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
U.	34-54-7.77 N 120-40-24.34 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
V.	34-55-21.69 N 120-39-58.45 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
W.	34-55-22.03 N 120-39-59.92 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
W.	34-55-22.03 N 120-39-59.92 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
X.	34-55-22.88 N 120-40-2.82 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
Y.	34-55-23.50 N 120-40-5.72 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
Z.	34-55-23.87 N 120-40-7.14 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
AA.	34-55-25.24 N 120-40-13.08 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
BB.	34-55-29.10 N 120-40-27.05 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
CC.	34-55-31.86 N 120-40-35.23 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
DD.	34-55-35.97 N 120-40-50.71 W	Bottom Mooring	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15

Oceanographic Research Moorings cont'd					
	Position	Instrument Type	Surface Marker	Light	Deploy/Recovery Date
EE(1).	34-52-45.12 N 120-41-33.82 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
EE(2).	34-52-45.12 N 120-41-33.82 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15
FF(1).	34-56-12.39 N 120-43-52.51 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
FF(2).	34-56-12.39 N 120-43-52.51 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15
GG(1).	34-52-46.12 N 120-43-35.94 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
GG(2).	34-52-46.12 N 120-43-35.94 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15
HH(1).	34-55-52.11 N 120-41-47.29 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
HH(2).	34-55-52.11 N 120-41-47.29 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15
II(1).	34-57-29.33 N 120-41-15.01 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
II(2).	34-57-29.33 N 120-41-15.01 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15
JJ(1).	34-58-2.87 N 120-43-53.87 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
JJ(2).	34-58-2.87 N 120-43-53.87 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15
KK(1).	34-53-54.78 N 120-43-39.13 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
KK(2).	34-53-54.78 N 120-43-39.13 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15
LL(1).	34-53-57.86 N 120-41-35.26 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
LL(2).	34-53-57.86 N 120-41-35.26 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15
MM(1).	34-55-57.19 N 120-42-35.64 W	Bottom Mooring	Yellow-green Polyform LD-1 buoy	Unlighted	11 Jun 15 / 06 Aug 15
MM(2).	34-55-57.19 N 120-42-35.64 W	Bottom Mooring	12in Orange Buoy	Unlighted	11 Jun 15 / 06 Aug 15

Oceanographic Research Moorings cont'd					
	Position	Instrument Type	Surface Marker	Light	Deploy/Recovery Date
T1.	34-55-21.74 N 120-39-59.99 W	Bottom Tripod, 1m high	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
T2.	34-55-22.57 N 120-40-2.85 W	Bottom Tripod, 1m high	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
T3.	34-55-23.12 N 120-40-5.72 W	Bottom Tripod, 1m high	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
T4.	34-55-23.52 N 120-40-7.14 W	Bottom Tripod, 1m high	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
T5.	34-55-28.45 N 120-40-27.03 W	Bottom Tripod, 1m high	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15
T6.	34-55-35.34 N 120-40-50.55 W	Bottom Tripod, 1m high	14in Crab Float	Unlighted	11 Jun 15 / 06 Aug 15

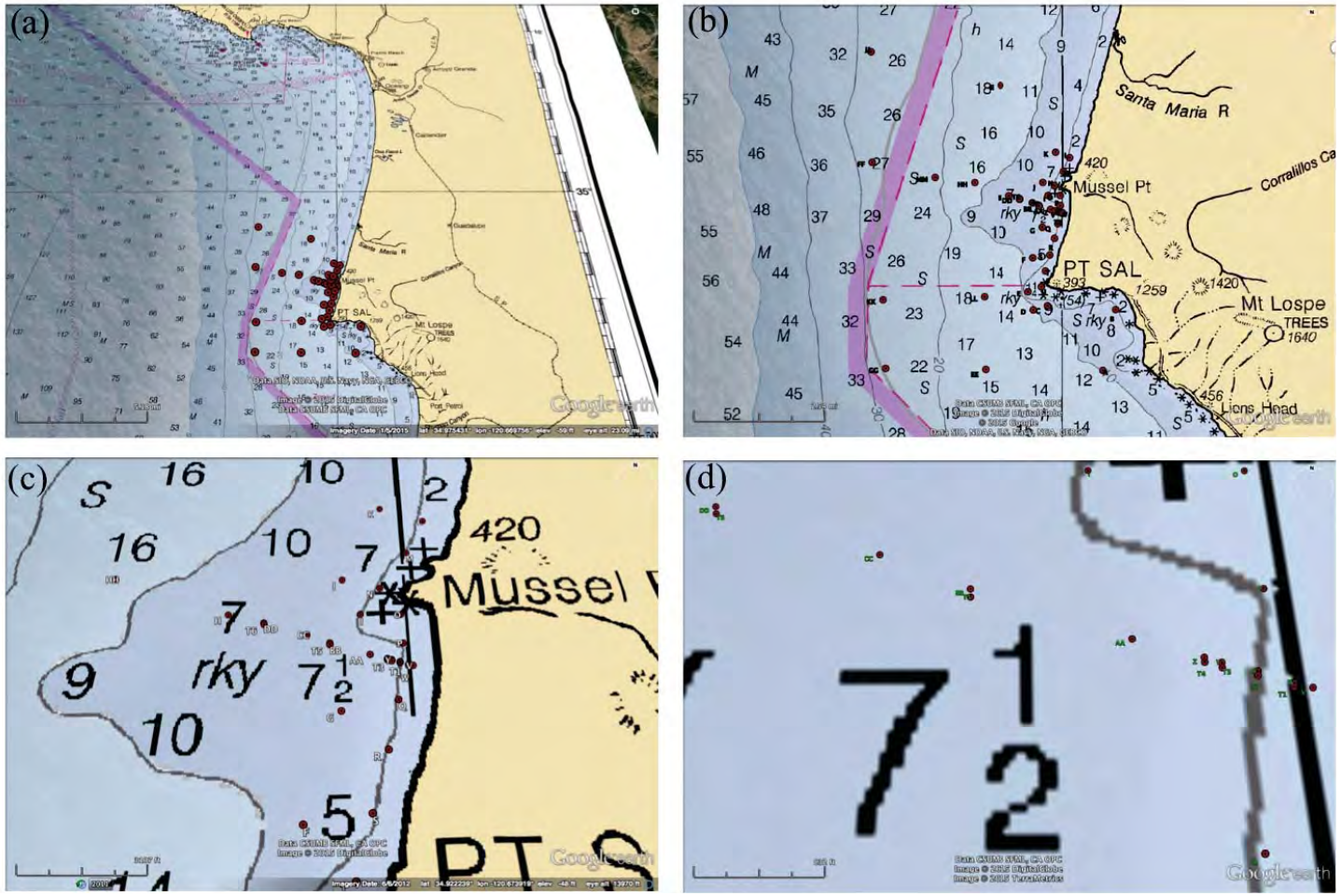
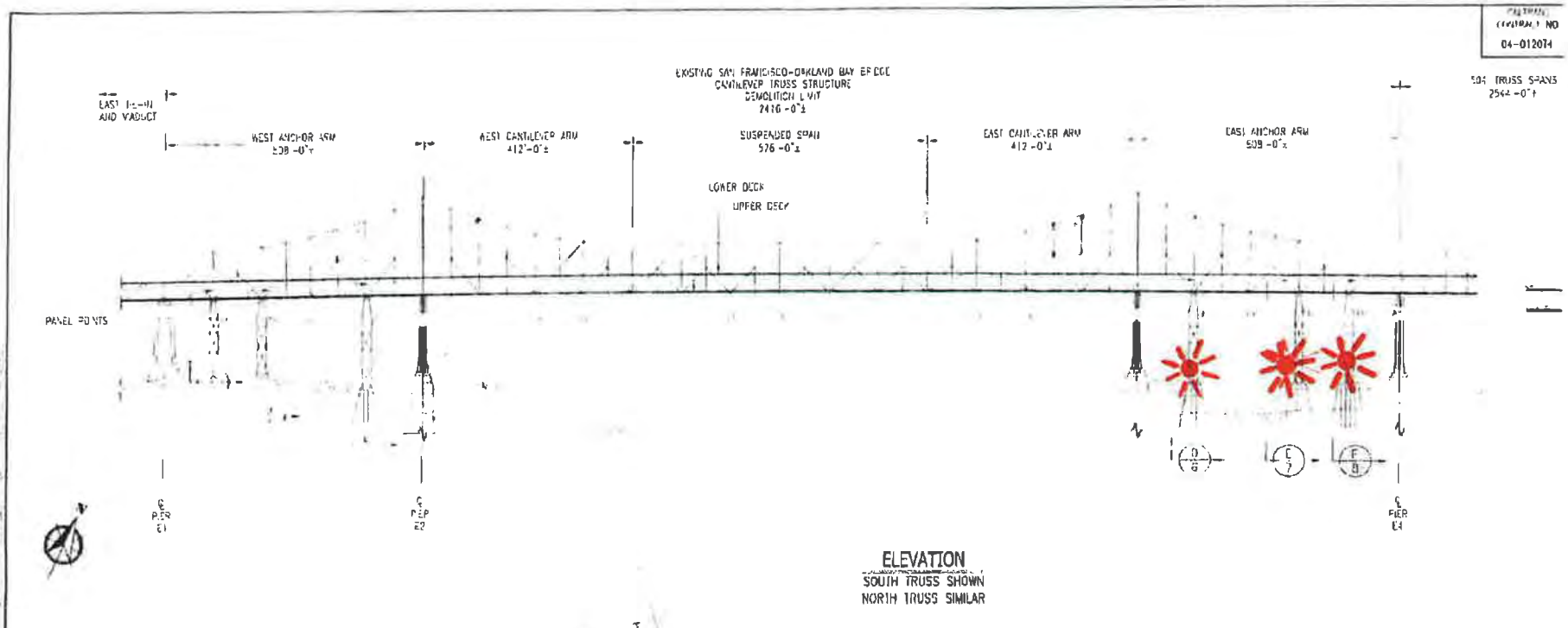


Figure 1: Mooring locations overlaid on NOAA Chart 1800. (a) Chart from Avila Beach to Vandenberg AFB. (b) Overview of research location near Pt. Sal. (c) Region showing mooring locations near Mussel Point. (d) Detail of cross shore mooring south of Mussel Point.

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



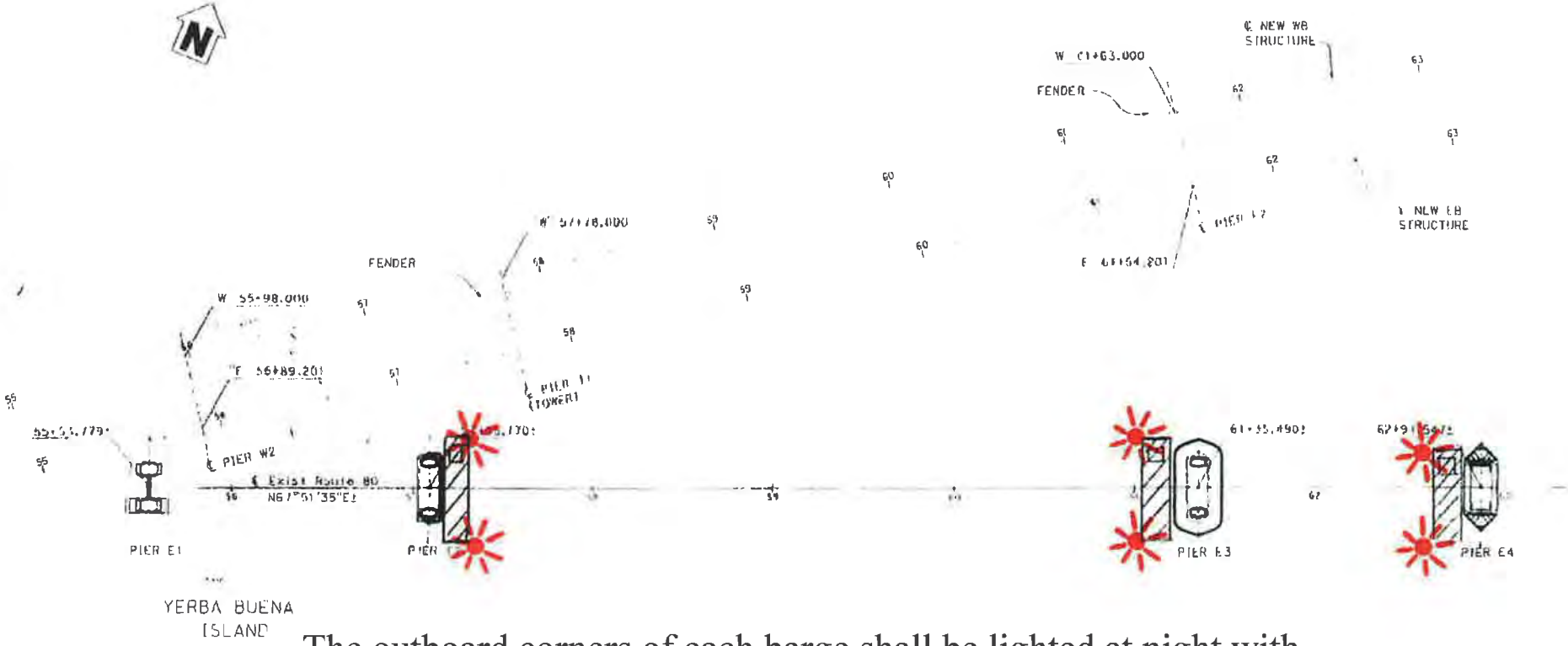
The upstream and downstream sides of the temporary support bents shall be lighted at night with steady burning all round red lights, visible at 2,000 yards by approaching vessels. The lights shall be securely fastened to the piles as low as practicable but not lower than 2 feet above navigable high water.

ENCLOSURE (2)

REV | DATE | DESCRIPTION

YBI 2 PROJECT - CAN
CANTILEVER TEM

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



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 CONTRO
BEFORE ORDERING OR FABRICATING ANY MATE

PRELIMINARY INVESTIGATION SECTION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TOLL BRIDGE DESIGN

33-0025
13.2/13.9

SAN FRANCISCO-OAKLAND
EAST SPAN SEISMIC SAFET

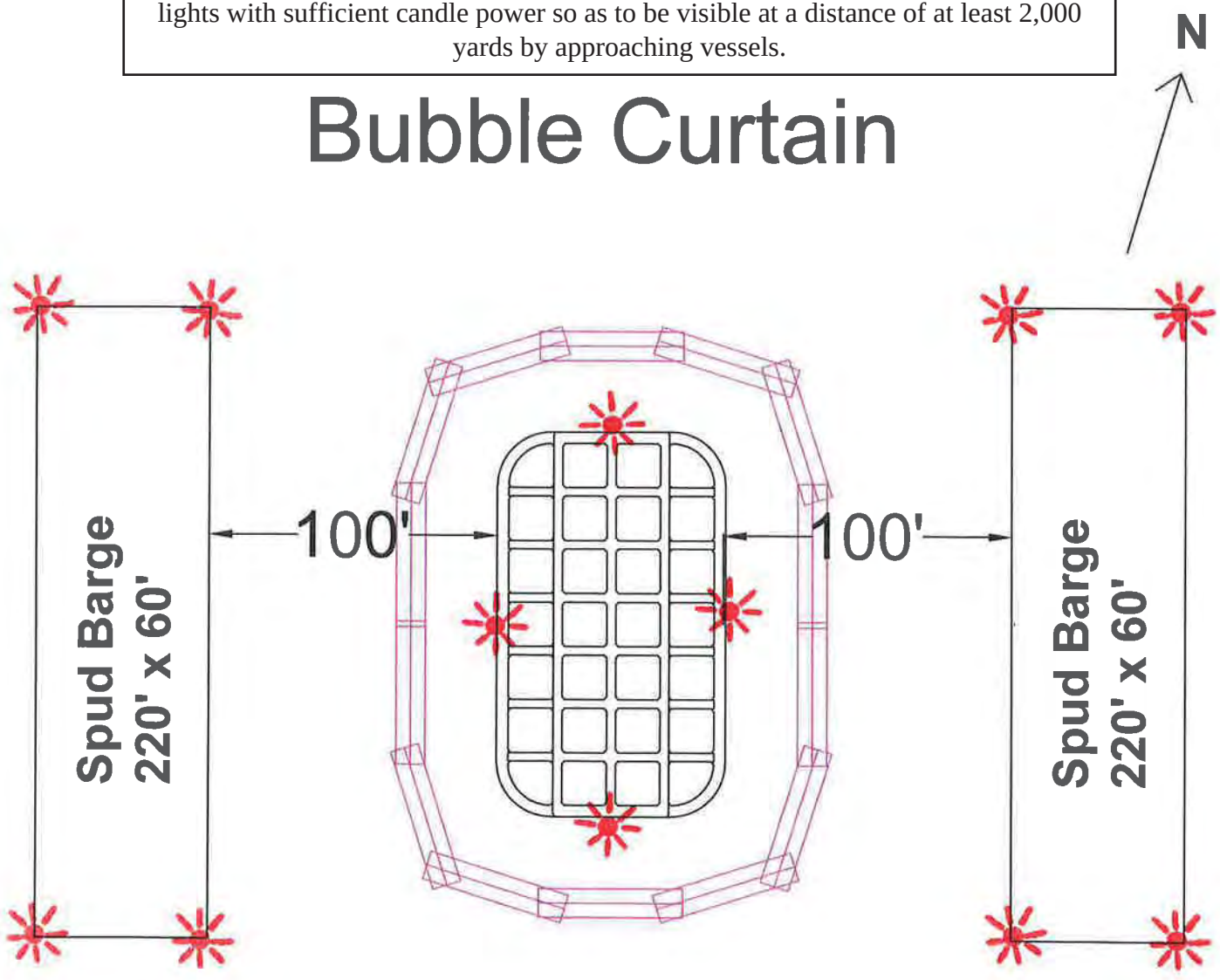
EXISTING CANTILEVER TRU
FOUNDATION

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

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.

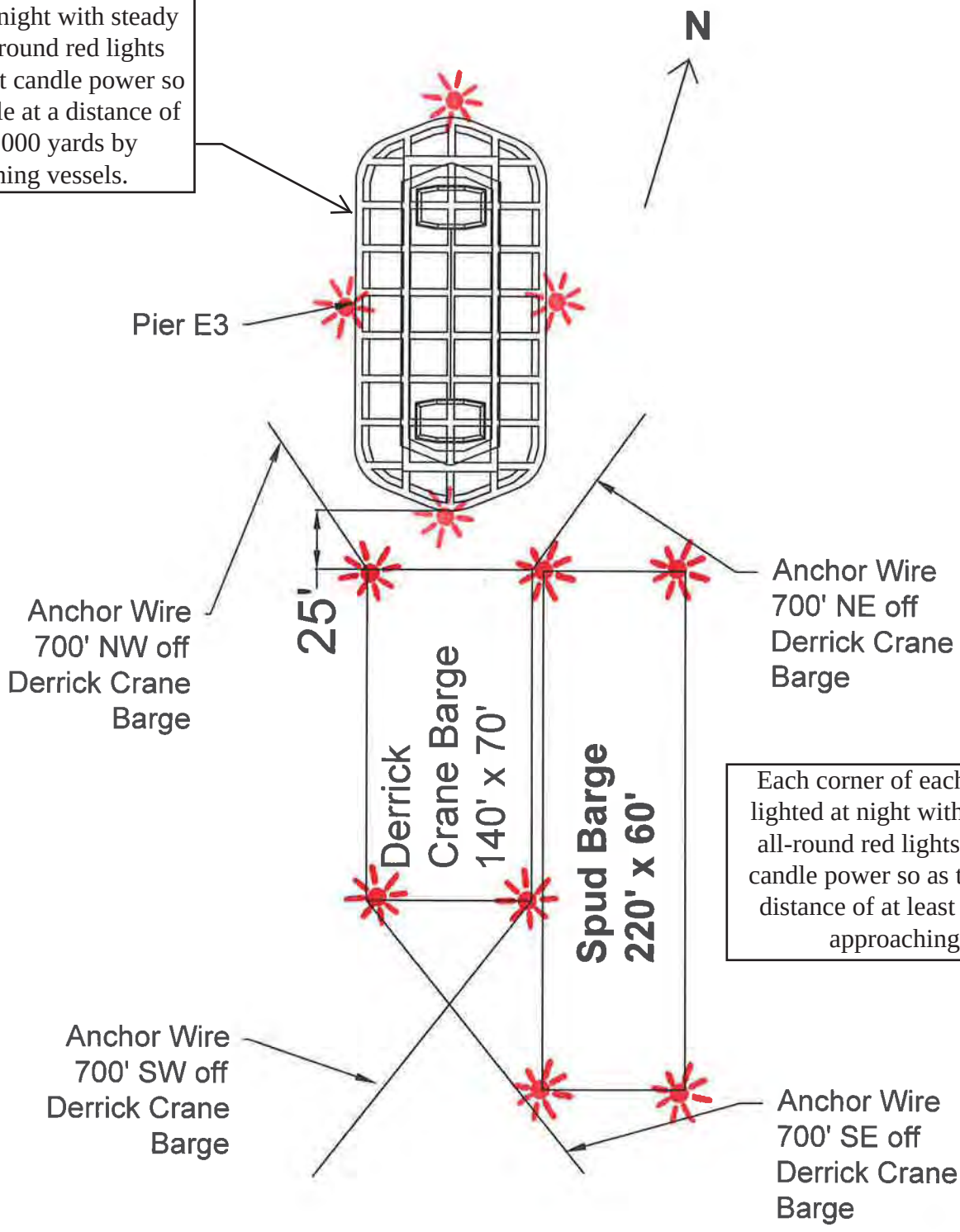


ENCLOSURE ( )

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.

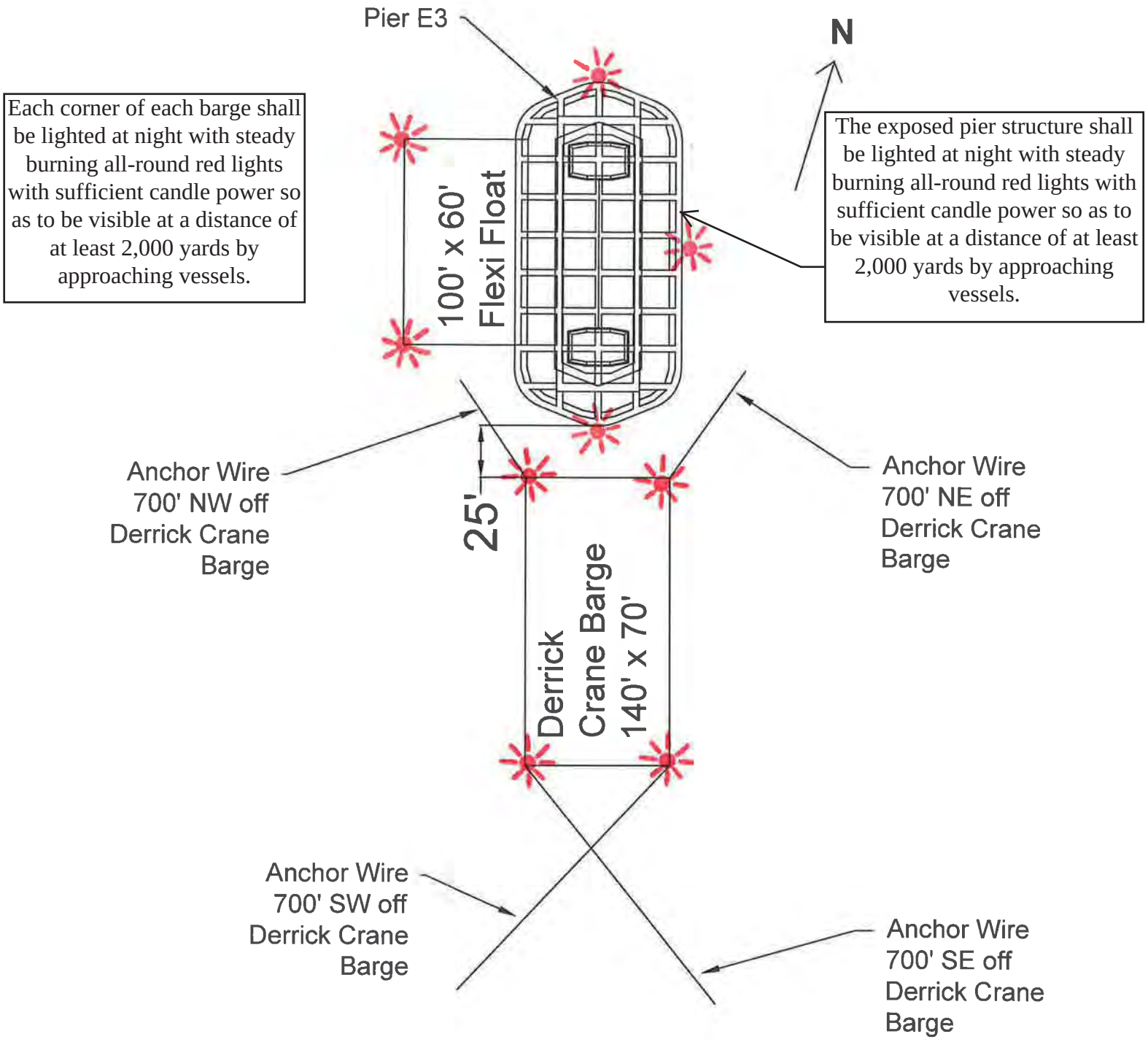


Each corner of each barge shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.

ENCLOSURE ( )

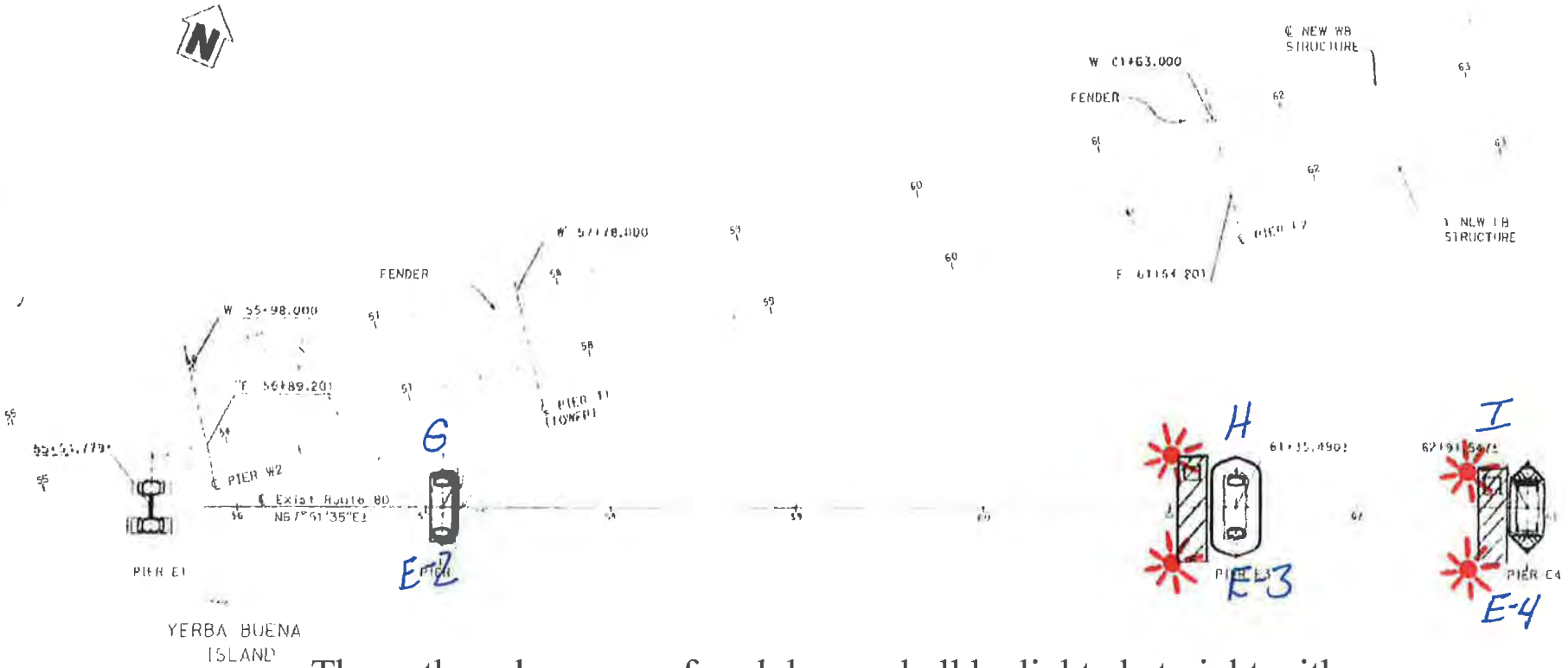
Eastern Span SFOBB
Pier "H" (E-3)
Lighting Plan

Curtain Demo



ENCLOSURE ( )

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

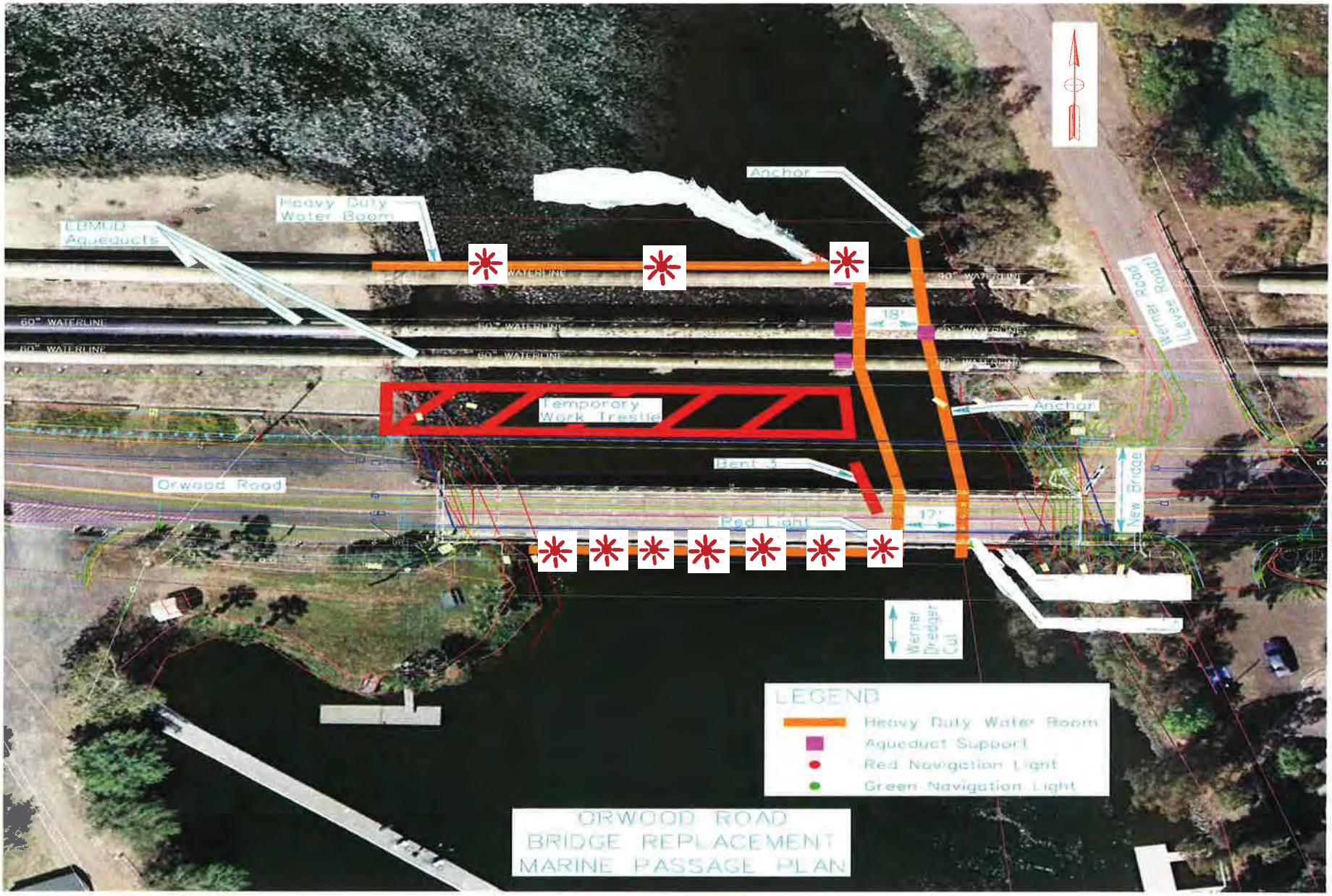


The outboard corners of each barge shall be lighted at night with steady burning all round red lights, visible at 2,000 yards by approaching vessels.

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

PRELIMINARY INVESTIGATION SECTION			STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	TOLL BRIDGE DESIGN	33-0025 13.2/13.9	SAN FRANCISCO-OAKLAND EAST SPAN SEISMIC SAFET EXISTING CANTILEVER TRU FOUNDATION
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN						

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.

	WATERWAY MANAGEMENT QUESTIONAIRE **San Clemente Island**	

The following is a survey developed to provide important information to U.S. Coast Guard Sector San Diego on the overall safety of the waters surrounding San Clemente Island. Survey information provides the Coast Guard data on waterway safety concerns and specifically information on the Aids to Navigation System for San Clemente Island and associated waters, in order to ensure that the aids are serving their intended purpose. It also aids future waterway management decisions to reflect concerns of the waterway users.

Please add any additional comments to help us with this assessment and feel free to share this survey with anyone you feel is applicable and would provide value to our review. Results of the study will be available upon completion.

Please return this questionnaire by 1 September 2015.

Email: Nick.G.Bateman@uscg.mil

Mail: *USCG Waterways Management Branch*
Coast Guard Sector San Diego
2710 North Harbor Drive
San Diego CA, 92101
Attn: LT Robert Cole

Should you have questions concerning this questionnaire or about the study please contact Sector San Diego Waterways Management at (619) 278-7656.

Name (optional):_____ **Email (optional)# :** _____

VSL(s) Name (optional): _____ **VSL type(s):**_____

Vessel Info (length, beam, draft: if over 25') : _____

Please provide some other general information about your vessel(s) and/or vessel operations :

Number of days operating around San Clemente Island annually:

o	<20	o	21-50	o	51-99	o	>100

How many years of experience do you have working offshore, in/around San Clemente Island?

o <2	o 2-4	o 5-10	o >10

Primary vessel use? (choose all that apply)

- ☐ Recreational boating (diving/fishing)
- ☐ Passenger excursions (sight seeing, (whale watching, fishing)
- ☐ Fishing - recreational
- ☐ Fishing – commercial
- ☐ Other
- o Military

Are the aids to navigation deemed sufficient? YES NO

If no, what other aids to navigation or changes would you like to see added to these areas and why?

_____

What aids, private or federal, if any, do you consider irrelevant and could be discontinued?

_____

Do you feel that the aids effectively mark navigational hazards and best water routes?

_____

Overall, do you feel the existing low visibility sound signals are sufficient and/or necessary?

_____

Are there marine hazards to navigation that are not designated on nautical charts or Coast Pilot?

_____

Do military operations, reported on the website https://www.scisland.org with your navigation? _____

_____

Have you ever been impacted by heavy weather, causing temporary or unplanned anchorage? If yes, how many times in the past 5 years? YES NO

If no: _____

Are you aware of any collisions or groundings within the past 5 years that have occurred? Please include where and when they took place.

_____

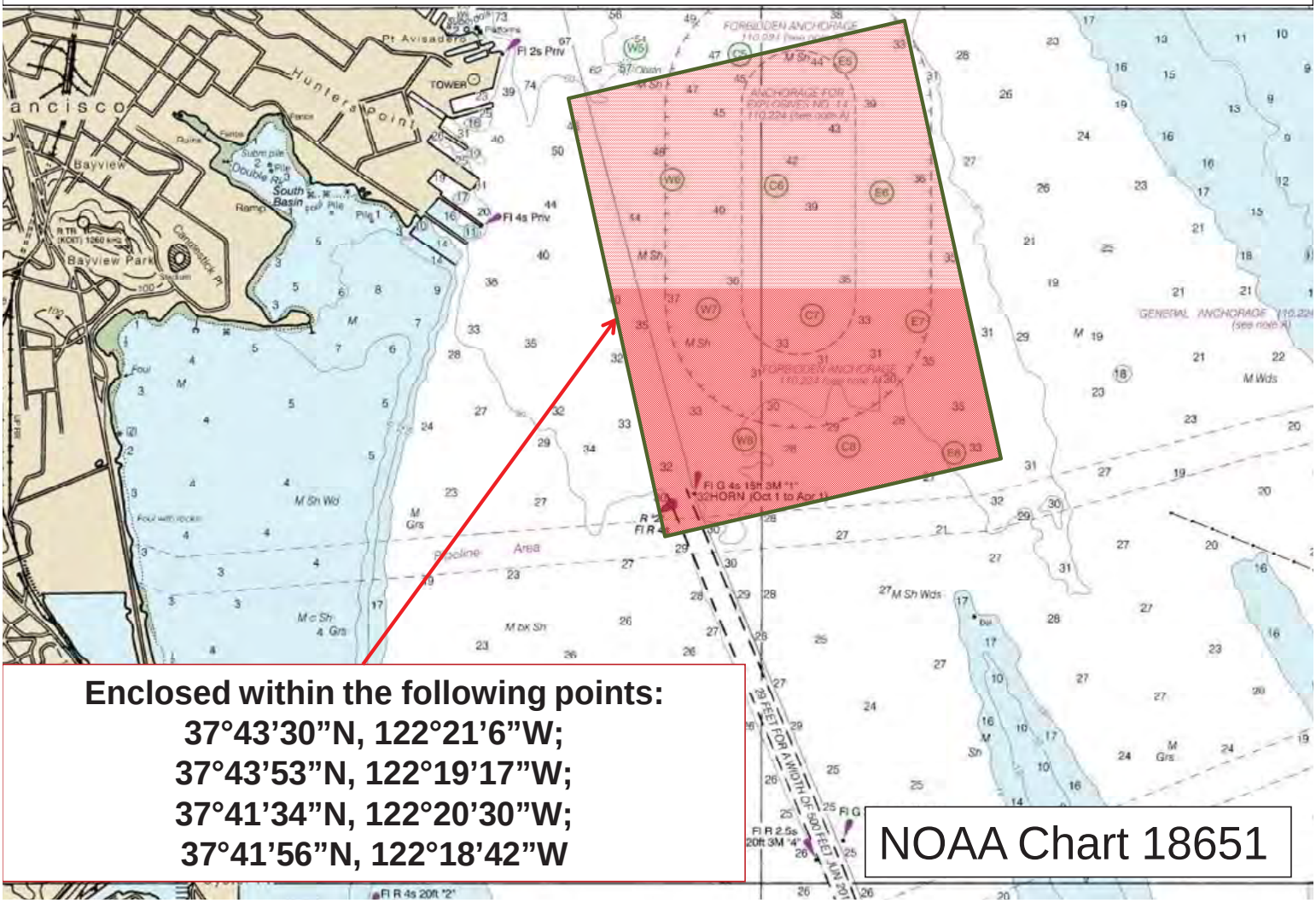
_____

Any final thoughts or comments? This is your opportunity to note problems you see with this waterway / navigation aids, and present any suggestions you may have for improvement.

_____

Thank You for your time.
Coast Guard Sector San Diego

Safety Zone; San Francisco, CA, 15JUL15-31OCT15
Underwater Vessel Testing



Enclosed within the following points:
37°43’30”N, 122°21’6”W;
37°43’53”N, 122°19’17”W;
37°41’34”N, 122°20’30”W;
37°41’56”N, 122°18’42”W

NOAA Chart 18651

North County Transit District Railroad Bridge
San Dieguito River, Mile 0.18
.
Area for Vessel Transit During Maintenance Work

North County Transit District Railroad Bridge
San Dieguito River, Mile 0.18
.
Area for Vessel Transit During Maintenance Work

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

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Area for Vessel Transit During Maintenance Work

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

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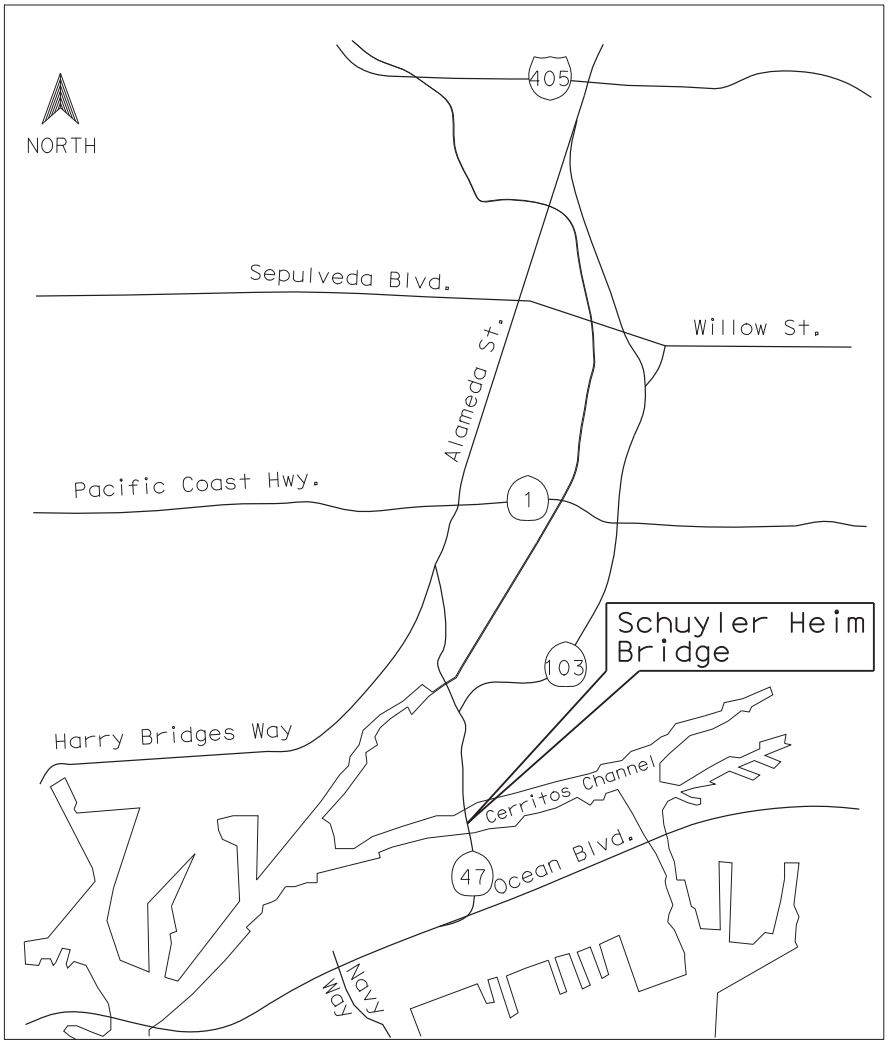
Temporary Impacts to Navigation During Work



Project Location

CHIEF ENGINEER

BRIDGE ENGINEER

MARCH 16, 2010

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CERRITOS CHANNEL BRIDGE REPLACEMENT
LOS ANGELES COUNTY

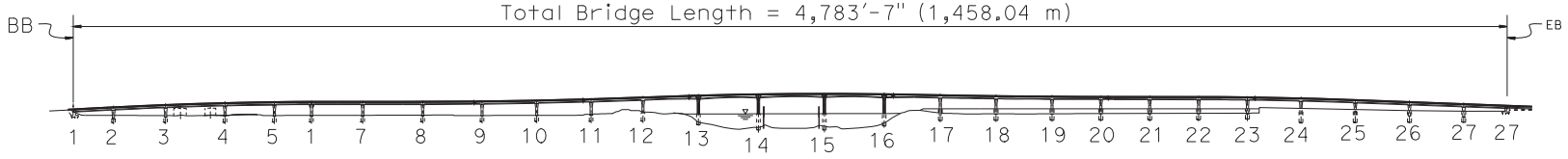
SCHUYLER HEIM BRIDGE (REPLACE)
CERRITOS CHANNEL MILE 4.9 (7.89 KM)

VICINITY MAP

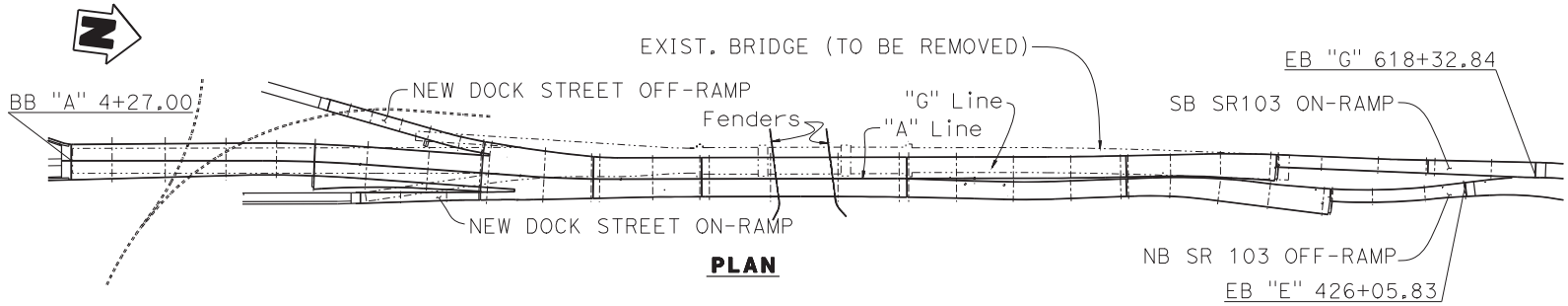
SHEET	OF
1	4

ACTA

Revisd: August 11, 2010



ELEVATION



PLAN

MARCH 16, 2010

CHIEF ENGINEER

BRIDGE ENGINEER

0 200 400 600 800 1000 2000 FT

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CERRITOS CHANNEL BRIDGE REPLACEMENT
LOS ANGELES COUNTY

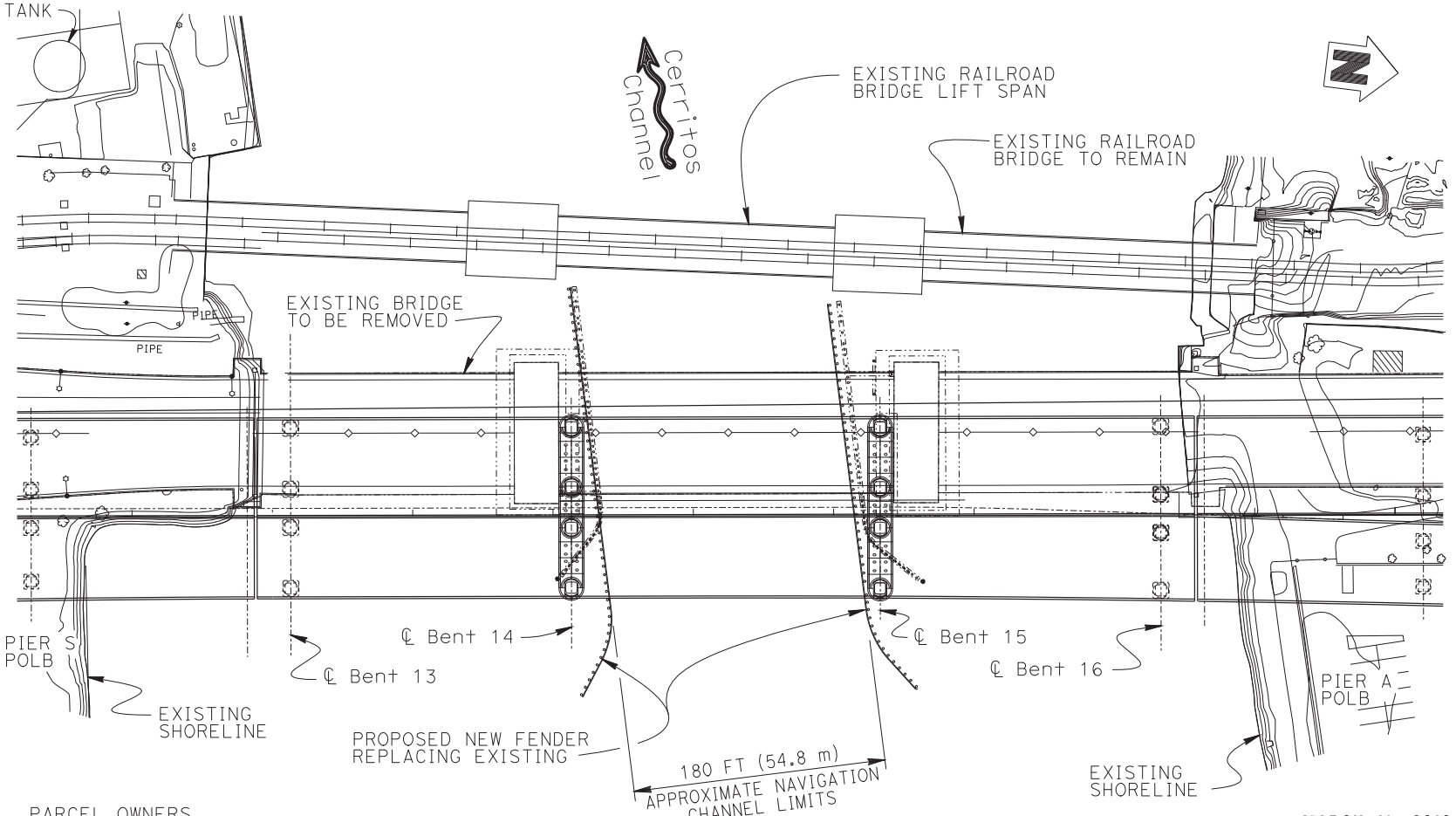
SCHUYLER HEIM BRIDGE (REPLACE)
CERRITOS CHANNEL MILE 4.9 (7.89 KM)

GENERAL PLAN

SHEET	OF
2	4

ACTA

Revisd: August 11, 2010



PARCEL OWNERS

① Alameda Corridor Transit Authority
② Port of Long Beach (Pier S)
③ Port of Long Beach (Pier A)

NOTES:

1. Datum - NAVD 88
2. MLW = -0.38, MHW = + 4.33

0 50 100 150 200 400 FT

PLAN

MARCH 16, 2010

CHIEF ENGINEER

BRIDGE ENGINEER

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CERRITOS CHANNEL BRIDGE REPLACEMENT
LOS ANGELES COUNTY

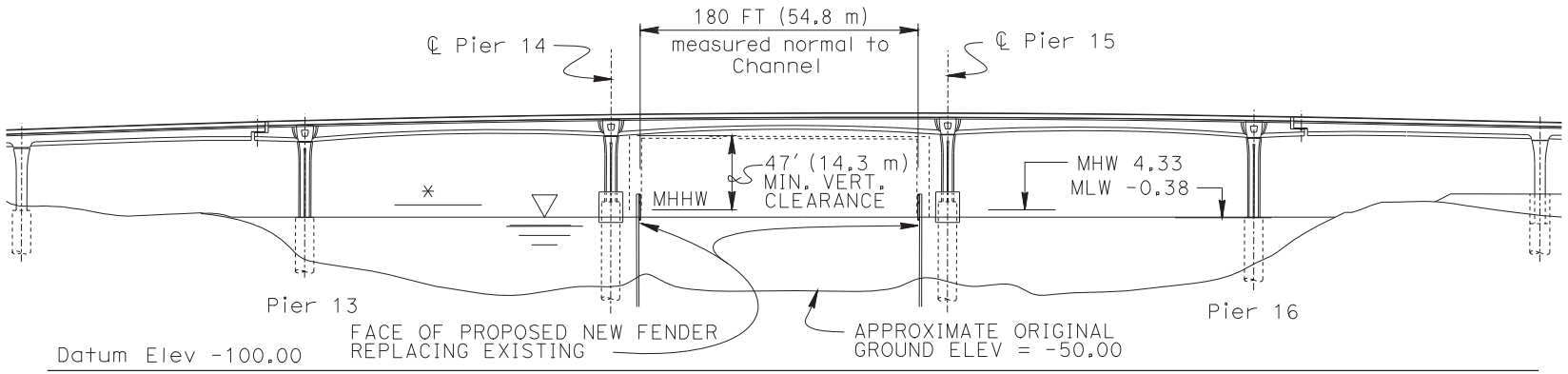
SCHUYLER HEIM BRIDGE (REPLACE)
CERRITOS CHANNEL MILE 4.9 (7.89 KM)

KEY PLAN

SHEET	OF
3	4

ACTA

Revisd: August 11, 2010

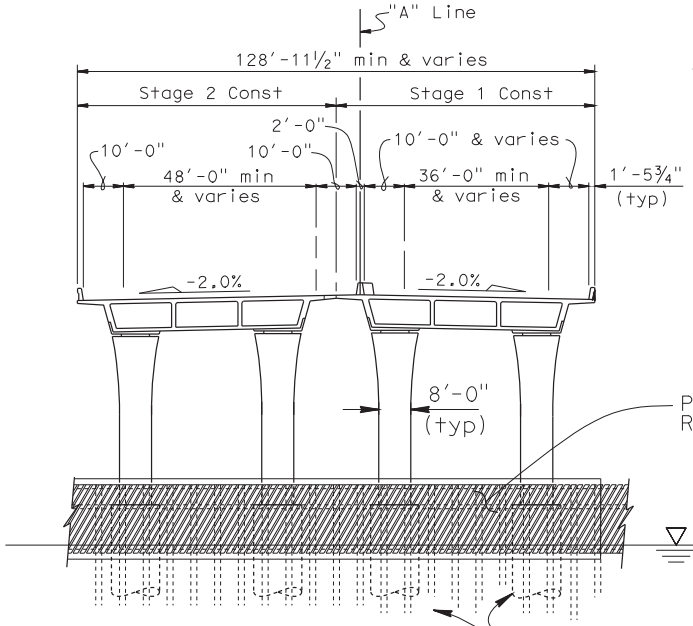


ELEVATION

∗ – 100 YEAR FLOOD ELEV = 8.00
NET PERMANENT FILL = -0.47 acres

NOTE: Datum - NAVD 88

0 50 100 150 200 400 FT



TYPICAL SECTION

0 20 40 60 80 100 200 FT

CHIEF ENGINEER

BRIDGE ENGINEER

MARCH 16, 2010

STATE OF
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DEPARTMENT OF TRANSPORTATION

CERRITOS CHANNEL BRIDGE REPLACEMENT
LOS ANGELES COUNTY

SCHUYLER HEIM BRIDGE (REPLACE)
CERRITOS CHANNEL MILE 4.9 (7.89 KM)

KEY ELEVATION

SHEET	OF
4	4

ACTA

Revisd: August 11, 2010

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