U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 11 Week: 40/21

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

REFERENCES: COMDTPUB P16502.6, Light List Volume VI, 2017 Edition, U.S. Chart No.1 12th Edition, and Coast Pilot Volume 7 49th Edition. These publications, along with corrections, are available at: https://nauticalcharts.noaa.gov/

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated through BNM HB-0021-21, SF-0122-21, LA-0154-21, and SD-0062-21 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.pacificarea.uscg.mil/Our-Organization/District-11/Prevention-Division/LnmRequest/ or call Waterways Management Branch at 510-437-2929 or e-mail D11-SMB-D11-LNM@uscg.mil. Please provide all Local Notice to Mariners submissions 14 days prior to the start of operations

LNM: 17/21

BRIDGE INFORMATION- PROJECTS, DISCREPANCIES, CORRECTIONS & REGULATORY

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 Delay_Report_11-2017.pdf included in the Enclosures section of this Local Notice to Mariners.

BRIDGE INFORMATION-COMMUNICATIONS PROTOCOL-BENICIA/MARTINEZ UPRR BRIDGE- CARQUINEZ STRAIT

All mariners requiring a bridge lift at the Benicia-Martinez Union Pacific Railroad Bridge, mile 7.0, over the Carquinez Strait, California, should follow the protocol in the document entitled "Coordination of Communications for Union Pacific Railroad Lift Operations." Mariners can download a copy of the document by selecting the link BENICIA-MARTINEZ RR BRIDGE under the QUICK LINKS section at https://www.pacificarea.uscg.mil/vtssf.

CANCELLATION OF NOAA PAPER AND RASTER NAUTICAL CHARTS

The National Oceanic and Atmospheric Administration (NOAA) is undertaking a multi-year program to end production and maintenance of its suite of over 1,000 traditional paper nautical charts and all associated raster chart products and services, including: Print-on-Demand (POD) paper nautical charts, Full-size chart PDF files, BookletChart™ PDF files, NOAA raster navigational charts (NOAA RNC®), the NOAA RNC tile service, and the online RNC viewer.

Six months notice of the intent to cancel a specific chart is provided in a "Last Edition" notice. The final cancellation of a chart is made in a "Canceled" notice. Both types of notices will appear in LNM Section IV, "Chart Correction." A comprehensive list of all canceled NOAA charts is available at: http://www.charts.noaa.gov/MCD/Dole.shtml.

Traditional paper nautical chart production is ending to enable the creation and maintenance of larger scale, more up-to-date, higher quality coverage of NOAA's electronic navigational chart (NOAA ENC®) product. This will significantly enhance the amount of charted detail available to mariners. More information about NOAA's program to sunset traditional paper charts is on the NOAA Coast Survey website at: https://nauticalcharts.noaa.gov/charts/farewell-to-traditional-nautical-charts.html

An online NOAA Custom Chart application at: https://devgis.charttools.noaa.gov/pod is available to create chart images from ENC data, which may then be printed. Notices to Mariners will not be issued for NOAA Custom Charts.

LNM: 07/21

CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION

The aids to navigation depicted on charts comprise a system of fixed and floating aids to navigation with varying degrees of reliability. Prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid to navigation. With respect to buoys, the buoy symbol is used to indicate the approximate position of the buoy body and the sinker which secures the buoy to the seabed. The approximate position is used because of the practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecision in position fixing methods, prevailing atmospheric and sea conditions, slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying length of chain, and the fact that the buoy body and/or sinker positions are not under continuous surveillance, but are normally checked only during periodic maintenance visits which often occur more than a year apart. Due to the forces of nature, the position of the buoy body can be expected to shift inside and outside the charted symbol. The mariner is also cautioned that buoys may be extinguished or sound signals may not function as the result of natural causes, collisions, or other accidents. For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Furthermore, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction that the buoy marks.

INSTRUCTIONS TO SUBSCRIBE TO DISTRICT 11 WEEKLY LNM

1. Follow this link: https://www.dco.uscg.mil/Featured-Content/Mariners/Local-Notice-to-Mariners-LNMs/
2. Select the applicable District from the column on the left.
3. Click "Please subscribe to receive email updates here."
4. Enter your email address.
5. Click Submit.

LNM: 10/21

NORTHERN CALIFORNIA-DELTA AND RIVERS-SAND MOUND SLOUGH-HAZARD TO NAVIGATION

An approximate 100' wooden vessel has been reported aground near Emerald Point Marina east of Bethel Island at approximate position 38-00-45.9N 121-36-58.5W. Mariners are encouraged to transit the area with caution. For more details or comments contact U.S. Coast Guard Sector San Francisco at 312-792-1803.

Chart 18660 LNM: 23/21

NORTHERN CALIFORNIA-HUMBOLDT BAY-MARINE CONSTRUCTION

Humboldt Bay Lighted Buoy 9 (LLNR 8195) will be shifted and off-station in early August to facilitate the construction of a fixed aid, Humboldt Bay Light 9. Humboldt Bay Lighted Buoy 9 will not represent the current channel marking. It is advised that mariners utilize all other aids to navigation and reference points in the area during this construction operation. Mariners are requested to transit the area with caution. For more details or comments contact Sector Humboldt Bay at 707-839-6113 or the contractor "Sustainable Group" at 925-899-9721.

Chart 18622 LNM: 29/21

NORTHERN CALIFORNIA-HUMBOLDT BAY-SEASONAL AID ESTABLISHED

Humboldt Bay Lighted Bell Buoy 2 (LLNR 8135) has been re-established for the 2021 summer season. A Synthetic AIS for the aid position is active and will be available year-round for this aid position. For more details or comments contact LT Miranda Brumbaugh at 510-437-2978 or Miranda.E.Brumbaugh@uscg.mil.

Charts: 18620 18622 LNM: 23/21

NORTHERN CALIFORNIA-SAN FRANCISCO APPROACH-SPEED REDUCTION

NOAA and the USCG request that all vessels 300 gross registered tons (GRT) or larger reduce speeds to 10-knots when transiting the San Francisco Traffic Separation Scheme (SF TSS) until 15 Nov 21, to protect endangered blue, humpback and fin whales; see enclosure VSRMap2021_SF.pdf.pdf. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq).

Please report any collisions with whales or any observed injured or dead whales to the U.S. Coast Guard on VHF Channel 16. NOAA is asking for the public's help in tracking whales. Please report sightings through WhaleAlert, a free application available at http://westcoast.whalealert.org.

Charts: 18640 18680 LNM: 15/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-SEASONAL ESTABLISHMENT

The following Aids to Navigation sound signals have been seasonally established in accordance with Light List Volume VI, 2021.
San Leandro Marina Light 1 (LLNR 4830)
San Bruno Shoal Channel Light 1 (LLNR 4945)
San Bruno Shoal Light 5 (LLNR 4965)
For more details or comments contact Sector San Francisco at 415-399-7436.

Chart 18651 LNM: 40/21

NORTHERN CALIFORNIA-SAN FRANCISCO-MARINE SAFETY INFORMATION BULLETIN

Coast Guard Sector San Francisco is issuing a Marine Safety Information Bulletin (MSIB) 21-02. Vessels are reminded while operating within the Sector San Francisco (COTP) Zone are required to use their ballast water management systems in accordance with the Code of Federal Regulations (CFR), Part 33, Subpart D Ballast Water Management for Control of Nonindigenous Species in Waters of the United States. 33 CFR 151.2015 paragraph (d)(3) allows for the following vessels to be exempt from the ballast water management requirements in 33 CFR 151.2025. For further information see enclosure Sector San Francisco COPT SMIB.pdf. Mariners may also contact the U.S. Coast Guard Sector San Francisco Investigations Division at SectorSF.Investigations@uscg.mil or 510-813-9636.

Charts: 18640 18645 18649 LNM: 29/21

NORTHERN CALIFORNIA-SAN FRANCISCO-MILE ROCKS LIGHT-REDUCED NOMINAL RANGE

Mile Rocks Light (LLNR 365) will have a temporarily reduced intensity of 5nm until further notice. Mariners are requested to transit the area with caution. For more details or comments contact LT Miranda Brumbaugh at 510-437-2978 or Miranda.E.Brumbaugh@uscg.mil.

Charts: 18007 18010 18020 18022 18640 18645 18649 18680 LNM: 16/19

NORTHERN CALIFORNIA-SAN FRANCISCO-WHALE MIGRATION

An annual whale migration is taking place off the coast of Northern California. There are multiple species of whales transiting our waters. Mariners are requested to proceed with caution and maintain a sharp lookout. Whale sightings can be reported to the National Oceanic and Atmospheric Administration(NOAA) through their free app named "Whale Alert". If a marine mammal is dead, injured or stranded please call 866-767-6114.

Chart 18649 LNM: 15/21

NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-MARINE CONSTRUCTION

The Department of Water Resources is taking an emergency action to close the West False River. Construction on the barrier is underway and will be removed by 30 Nov 21. The project site is located at 38-03-25N 121-40-08W and is approximately 0.4 mile east of the confluence with the San Joaquin River, between Jersey and Bradford Islands in Contra Costa County, and is about 4.8 miles northeast of Oakley. Constructing the emergency temporary rock barrier provides a method of controlling saltwater intrusion into the Delta and the barrier was installed in the identical location in 2015. Mariners are requested to transit the area with caution. For more details or comments contact Jason Bacher at 916-376-9859 or Keith Boulton at 360-580-3708.

Charts: 18656 18660 18661 18663 LNM: 22/21

OFFSHORE CALIFORNIA- NOTICE OF PACIFIC COAST PORT ACCESS ROUTE STUDY (PAC-PARS)

The Coast Guard is conducting a Pacific Coast Port Access Route Study (PAC-PARS) to evaluate navigational risk factors associated with vessel traffic along the Pacific Coast, to include traffic separation schemes, fairways, and coastal infrastructure. The primary areas of this study include: San Diego, CA, Los Angeles/Long Beach, CA, San Francisco, CA, Humboldt Bay, CA, Coos Bay, OR, Yaquina Bay, OR, Astoria, OR, Grays Harbor, WA, and Puget Sound, WA. Mariners are encouraged to participate in this study by submitting comments and related material on or before January 25, 2022. Comments can be submitted by searching for the docket "USCG-2021-0345" at "https://Regulations.gov". A letter announcing the PAC-PARS from D11 is included in the enclosures section of this Local Notice to Mariners. Questions concerning this study should be submitted to the email: PACPARS@USCG.MIL.

LNM: 34/21

SAN DIEGO-SANTA BARBARA-OBSTRUCTION

There is flag pole located in front of Santa Barbara Harbor Breakwater light (LLNR 3750). The flag pole is approximately 8-10 ft away from the aid, extends about 4-5 ft above the light and is at a bearing of 062. There is a possibility that the flagpole may obscure the visibility of the light if mariners are approaching from that bearing. Mariners are requested to transit the area with caution. For more details or comments contact Sector San Diego at 619-278-7000.

LNM: 27/20

SOUTHERN CALIFORNIA- DANA POINT TO POINT ARGUELLO - VOLUNTARY SPEED REDUCTION

NOAA and the USCG request that all vessels 300 gross registered tons (GRT) or larger reduce speeds to 10-knots or less when transiting from Dana Point to Pt. Arguello until 30 Nov 21, to protect endangered whales; see enclosure VSRMap2021_SC.pdf. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (to protect endangered whales 16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq.). Vessels already transiting south of the northern Channel Islands are also encouraged to transit outside of the voluntary extended area to be avoided to reduce the overlap of ships and endangered whales.

Please report any collisions with whales or any observed injured or dead whales to the U.S. Coast Guard on VHF Channel 16. NOAA is asking for the public's help in tracking whales. Please report sightings through WhaleAlert, a free application available at http://westcoast.whalealert.org.

Charts: 18700 18720 18740 LNM: 15/21

SOUTHERN CALIFORNIA-SAN DIEGO-SUBMERGED OBJECT

An anchored 16 feet center console pleasure craft has capsized and remains afloat 600 yds south of Hotel Del Coronado at 32-40-06N 117-10-09W. No Distress is associated with this wreck which has been marked with an unlit red marker buoy in approximately 28 ft of water. Mariners are requested to transit the area with caution. For more details or comments contact Coast Guard Sector San Diego at 619-278-7000.

Chart 18772 LNM: 34/20

SOUTHERN CALIFORNIA-SAN DIEGO-SUBMERGED OBJECT

A large ship anchor and 300 ft of anchor chain have been reported lost in 39 ft of water one nautical mile west of Silver Strand State Beach at 32-38-24N 117-10-08W. Mariners are requested to transit the area with caution. For more details or comments contact sector San Diego at 619-278-7000.

Chart 18773 LNM: 27/20

SOUTHERN CALIFORNIA-VESSEL CYBERSECURITY ALERT-LOS ANGELES-LONG BEACH

The Los Angeles-Long Beach maritime community should be on high alert for phishing emails from malicious actors impersonating USCG email addresses. See enclosure (Vessel Cybersecurity Alert.pdf) below for more information.

LNM: 07/21

SUBMITTING INFORMATION FOR PUBLICATION IN THE LOCAL NOTICE TO MARINERS

Coast Guard District Eleven Waterways upgrade to E-Mail capabilities. All future requests for article submission in the District Eleven Local Notice to Mariners are requested to be E-Mailed to D11-SMB-SMB-D11-LNM@uscg.mil at least two weeks prior to the operation. For more details or comments please contact District Eleven Waterways Management Branch at 510-437-2929 or e-mail D11-SMB-D11-LNM@uscg.mil. Coast Guard District Eleven requests all Local Notice to Mariners submissions be E-Mailed to our office at least 14 days prior to the start of operations for timely submittal and publication.

LNM: 17/21

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
125	Long Beach Light	LT EXT	18751	LA-0148-20	49/20	

235	Point Buchon Lighted Whistle Buoy 16	MISSING	18703	LA-0104-21	28/21
345	San Francisco South Traffic Lane Lighted Bell Buoy S	MISSING	18645	SF-0042-21	09/21
365	Mile Rocks Light	REDUCED INT	18649	SF-0251-17	49/17
370	Point Bonita Light	LT EXT	18649	SF-0104-21	32/21
1630	San Diego Bay Channel Lighted Buoy 17	OFF STA	18773	SD-0054-21	33/21
2635	Ship Rock Light	LT EXT	18757	LA-0095-21	26/21
2641	Isthmus Cove Harbor Reefs Light	STRUCT DMGD	18757	LA-0018-21	05/21
2670	Santa Catalina Island West End Light	LT EXT	18757	LA-0113-19	34/19
3012	Long Beach Light	LT EXT	18751	LA-0148-20	49/20
3117	Los Angeles Main Channel Lighted Buoy 11	REDUCED INT	18751	LA-0105-21	28/21
3970	Monterey Harbor Light 6	SS INOP	18685	SF-0064-20	27/20
4220	Point Bonita Light	LT EXT	18649	SF-0104-21	32/21
4245	Mile Rocks Light	REDUCED INT	18649	SF-0251-17	49/17
4680	Oakland Inner Harbor Light 10	MISSING/TRUB	18650	SF-0052-21	11/21
4684	Oakland Inner Harbor Turn Basin Light B	STRUCT DMGD	18650	SF-0097-21	29/21
5130	San Francisco Bay South Channel Light 8	DAYMK MISSING	18651	SF-0023-20	08/20
5250	Redwood Creek Light 16	STRUCT DMGD/TRLB	18651	SF-0109-19	43/19
6095	Mare Island Strait Light 2	STRUCT DMGD/TRLB	18655	SF-0152-20	49/20
6310	Suisun Bay Channel Buoy 3	OFF STA	18657	SF-0116-21	36/21
6685	San Joaquin River Light 8	LT EXT	18659	SF-0109-21	33/21
7210	Sacramento River Deep Water Ship Channel Light 10	MISSING/TRLB	18660	SF-0101-21	32/21
7235	Sacramento River Deep Water Ship Channel Light 15	MISSING/TRLB	18660	SF-0100-20	35/20
7240	Sacramento River Deep Water Ship Channel Light 16	STRUCT DEST/TRLB	18660	SF-0127-18	34/18
7260	Sacramento River Deep Water Ship Channel Light 20	MISSING/TRLB	18661	SF-0108-21	33/21
7985	Bodega Harbor Channel Daybeacon 42	MISSING/TRUB	18643	SF-0051-21	11/21
8210	**Humboldt Bay Light 12**	**LT EXT**	**18622**	**HB-0021-21**	**40/21**
8300	Hookton Channel Range Rear Light	LT EXT	18622	HB-0019-21	35/21

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
3635	Channel Islands Harbor Breakwater North Light	WATCHING PROPERLY	18725	LA-0117-21	31/21	40/21
6820	San Joaquin River Light 37	WATCHING PROPERLY	18660	SF-0122-21	40/21	40/21
7795	Bodega Bay Harbor Light 4	WATCHING PROPERLY	18643	SF-0120-21	39/21	40/21

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
20	Ocean Beach Pier Fog Sound Signal	SS INOP	18765	SD-0002-19	05/19	
158	Scripps Waverider Lighted Research Buoy 092	OFF STA	18746		45/18	
1720	Navy Lighted Mooring Buoy	LT EXT	18773	SD-0055-21	33/21	
1765	Harbor Island East Basin Channel Buoy 2	OFF STA	18773	SD-0028-19	19/19	
1775	Harbor Island East Basin Channel Buoy 4	MISSING	18773	SD-0039-20	29/20	
1790	Harbor Island East Basin Channel Buoy 10	OFF STA	18773	SD-0044-19	27/19	
1900	Glorietta Bay Channel Lighted Buoy 8	LT IMCH	18773	SD-0100-18	50/18	
2070	Coronado Cays Channel Daybeacon 3	STRUCT DEST	18773	SD-0098-17	36/17	

2288	Scripps Waverider Lighted Research Buoy 220	OFF STA	18765	SD-0041-20	30/20
2289.1	Scripps Waverider Lighted Research Buoy 100	OFF STA	18765		22/20
2289.4	Scripps "CORDC" Lighted Research Buoy	MISSING	18765		22/20
2871	Long Beach Harbor Brusco Lighted Mooring Buoy	LT EXT	18751	LA-0009-21	03/21
3339.2	REDONDO HARBOR LIGHT	LT EXT	18744	LA-0181-18	52/18
3400	El Segundo NRG Energy Buoy 6ES	SINKING	18744	LA-0153-21	39/21
3420	Hyperion Lighted Gong Buoy 10 ES	LT EXT	18744		16/20
4401	Richardson Bay Daybeacon 8	DAYMK DMGD	18653		15/20
4402	Richardson Bay Daybeacon 9	STRUCT DMGD	18649	SF-0086-18	23/18
4576	South Beach Harbor North Entrance Light 2	LT EXT	18650	SF-0047-21	11/21
4577	South Beach Harbor North Entrance Light 1	LT EXT	18650	SF-0046-21	10/21
4578	South Beach Harbor South Entrance Light 1	LT EXT	18650	SF-0091-20	33/20
4826	Bay Farm Island Light 1	LT EXT	18650	SF-0014-19	05/19
4826.15	Bay Farm Island Light 3	LT EXT	18650	SF-0014-19	04/19
4827.1	Anchorage 9 Lighted Mooring Buoy A	LT EXT	18650	SF-0012-20	04/20
4828.1	Anchorage 9 Lighted Mooring Buoy B	LT EXT	18650	SF-0013-20	04/20
5661	Southampton Shoal Outfall Lighted Buoy 1	LT EXT/RAC INOP	18653	SF-0026-19	07/19
5661	Southampton Shoal Outfall Lighted Buoy 1	MISSING/TRLB	18653	SF-0029-20	18/21
5662	Southampton Shoal Outfall Lighted Buoy 2	LT EXT	18653	SF-0059-21	14/21
5877.2	San Rafael Rock Quarry Mooring Buoy C	MISSING	18653		36/18
6623	New York Slough Koch West Light	LT IMCH	18659		39/18
6624	New York Slough Koch East Light	LT EXT	18659		39/18
6645.5	Delta Diablo Outfall Lighted Buoy	BUOY DMGD	18659		39/18
8325	Pacific Gas and Electric Dike Light	LT EXT	18622	HB-0009-21	20/21

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
280	Point Sur Light	Reduced Intensity	18686	SF-0105-20	35/20	

TEMPORARY CHANGES CORRECTED

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

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION IV - CHART CORRECTIONS

None

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s) **Project Date** **Ref. LNM**

None

Advance Notice(s)

SOUTHERN CALIFORNIA-ANAHEIM BAY-AIDS TO NAVIGATION CHANGE

The U.S. Coast Guard will be executing a change to Anaheim Bay Channel Buoy 8 (LLNR 2815). The buoy will be replaced by a junction buoy to help mariners safely navigate the two waterways. The change is following the completion of the recreational channel dredging project in Anaheim Bay. The newly established channel improves navigation and access to Huntington Harbor and eliminates the previous access near the Naval Weapons Station Seal Beach docks for all recreational vessels. For more details or comments contact LT Miranda Brumbaugh at 510-437-2978 or Miranda.E.Brumbaugh@uscg.mil.

Charts: 18746 18749 LNM: 36/21

SOUTHERN CALIFORNIA-ANAHEIM BAY-TEMPORARY CHANGE

The U.S. Coast Guard will temporarily change the following aids to floating aids in regards to the Anaheim Bay Project:
Anaheim Bay Channel Light 9 LLNR (2820)
Anaheim Bay Channel Light 10 LLNR (2825)
Anaheim Bay Channel Light 11 LLNR (2826)
Anaheim Bay Channel Light 13 LLNR (2827)
Anaheim Bay Channel Light 17 LLNR (2829)
For more details or comments contact LT Miranda Brumbaugh at 510-437-2978 or Miranda.E.Brumbaugh@uscg.mil.

Chart 18749 LNM: 15/20

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s) **Closing** **Docket No.** **Ref. LNM**

None

Proposed Change Notice(s)

None

2021 COAST GUARD LIGHT LIST AVAILABILITY

2021 Light Lists are available on the USCG Navigation Center's website at: http://www.navcen.uscg.gov/?pageName=lightLists. Coast Guard Light Lists are a means for communicating aids to navigation information to the maritime public. Local Notice to Mariners will continue to advise Light List corrections and NAVCEN will continue to publish a compilation of corrections. Complete versions of the 2021 Light Lists are updated weekly on the NAVCEN website and mariners should download applicable copies and updates as needed at: http://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates. A summary of weekly 2021 Light List corrections are available at: https://www.navcen.uscg.gov/?pageName=lightListCorrections.

LNM: 03/21

ARIZONA-BULLHEAD CITY-COLORADO RIVER-DAVIS DAM

A rocky shoal has been reported below the Davis Dam in position 35-11-34N 114-34-16W where depths are reported between 5' to less than 1' depending upon the outflow from the dam. Recreational vessels have been seen running aground after making contact with the rocks as there are no signs or buoys marking the area. Mariners are requested to transit the area with caution. For more details or comments contact USCG Sector San Diego at 619-278-7073.

LNM: 16/18

ARIZONA/CALIFORNIA-COLORADO RIVER-BRIDGE

PARKER RAILROAD BRIDGE- All navigation lights on the bridge are extinguished. Estimated time of repair, 31 Oct 21. For further information contact the Coast Guard Bridge Office at 510-437-3514.

LNM: 30/21

LOWER COLORADO RIVER-LAKE HAVASU, AZ-MARINE EVENT

Arizona Adaptive Water Sports will sponsor a marine event involving 8 participants from 0830-1430 through 14-15 Oct 21. The event will take place in Lake Havasu adjacent to Cattail Cove State Park. Mariners are advised to exercise caution and to lower speeds when transiting this area. For more details or comments contact Jo Crawford at 602-228-3660.

LNM: 39/21

LOWER COLORADO RIVER-LAKE HAVASU, AZ-MARINE EVENT

Lake Havasu State Park will sponsor a Fishing Tournament involving 200 PWCs on 02 Oct 21 from 0500-1500. The tournament will take place adjacent to the Lake Havasu State Park boat launch ramps. Mariners are requested to transit the area with caution. For details or comments contact Daniel Roddy at 928-855-2784.

LNM: 39/21

LOWER COLORADO RIVER-LAKE HAVASU, AZ-MARINE EVENT

Phantom Productions LLC will sponsor a high speed boat racing marine event involving approximately 100 powerboats participating in a poker run from 0700-1700 on 02 Oct 20 and will involve boats racing throughout the Colorado River in the vicinity of Lake Havasu Springs to Havasu Landing. Mariners are requested to transit the area with caution. For more details or comments contact Christina Nichols at 623-238-1330.

LNM: 38/21

LOWER COLORADO RIVER-LAKE HAVASU-MARINE EVENT

International Jet Sports Boating Association will sponsor a personal watercraft racing event from 0600-1800 from 01-09 Oct 21. The marine event will be involving 150 PWCs in the area of Lake Havasu adjacent to the Crazy Horse Campground. Mariners are requested to transit the area with caution. For more comments or details contact Scott Frazier at 650-796-8676.

LNM: 38/21

LOWER COLORADO RIVER-PARKER, AZ-MARINE EVENT

The Sundance Marathon Series #4 Water Ski Race consisting of 150 water skiers participating in a 5 mile water ski race held in Parker, AZ, from 0730 to 1730 on 11SEP21. The race course is located in front of Havasu Springs Resort. Mariners are requested to transit the area with caution. For more details or comments contact Dusty Schulz at 818-439-0592.

LNM: 35/21

NORTHERN CALIFORNIA-ANTIOCH-MARINE CONSTRUCTION

Vortex Marine Construction, Inc. will be conducting marine construction between the Antioch Regional Shoreline Pier and the Driftwood Marina entrance channel in Antioch, CA, 24hrs a day until 30 Nov 21. Construction will consist of pile driving and dredging. All vessels conducting operations will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Blaise Fettig at 510-261-2400.

Charts: 18650 18656

LNM: 40/21

NORTHERN CALIFORNIA-CARQUINEZ STRAIT-BRIDGE

UPSTREAM AND DOWNSTREAM BENICIA-MARTINEZ HIGHWAY (I-680) BRIDGES-Work is in progress on the replacement-in-kind of all navigation lights, fog horns and RACON of the two bridges. Work will take place Monday through Friday during daylight hours through 22 Feb 22. A 21' aluminum boat, the "BATES RULES" will be tied off of various piers during the work. At no time will the vessel be working in main navigation span of either the upstream or downstream bridge. To ascertain the location of the "BATES RULES" mariners can hail it on VHF-FM Channel 16 or 9, 13, or 14 or call 510-557-1507. The vessel can be moved for navigational safety if at least 15 minutes notice is given to the "BATES RULES." For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18656

LNM: 18/21

NORTHERN CALIFORNIA-CARQUINEZ STRAIT-BRIDGE

NORTHERN CALIFORNIA-CARQUINEZ STRAIT-BRIDGE

I-80 BRIDGE EAST-Maintenance traveler will be in use in the navigation spans of the bridge from 0800 to 1300 on the following dates: 20-23 Sep 21; 11-14 Oct 21; and 25-28 Oct 21. The traveler reduces vertical clearance of the bridge by 7'. For the safety of navigation, the traveler can be moved out of the navigation span if a one-hour notice is given to the crew on the platform via phone at 707-689-3069. For further information contact the Coast Guard Bridge Office at 510-219-4366.

Chart 18656 LNM: 33/21

NORTHERN CALIFORNIA-CARQUINEZ STRAIT-BRIDGES

I-680 HIGHWAY BRIDGES- NOAA will conduct maintenance of fish monitoring equipment attached to various piers of the two bridges during midday on 18 Oct 21, and all day on 19 Oct 21, utilizing a 23' North River R/V GOLDENEYE, with large letters "RESEARCH" on its sides. R/V GOLDENEYE will be monitoring VHF-FM Chan. 16 and cell phone 415-632-8544. Mariners are requested to exercise caution when transiting through the work site.

Chart 18657 LNM: 40/21

NORTHERN CALIFORNIA-CARQUINEZ STRAIT-MARINE CONSTRUCTION

The Dutra Group is conducting marine construction at the C&H Sugar Refinery at 38-03-25N 122-12-57W in Crockett, CA, during daylight hours until 20 Dec 21. Towing and maneuvering of barges will be conducted 24 hours daily. Operations will be conducted within the following coordinates:
38-03-30N 122-13-26W
38-03-29N 122-12-49W
38-03-23N 122-12-49W
38-03-22N 122-13-28W
Crane Barge 1 and a work boat will be monitoring VHF-FM Chan. 09, 16 and 77. Mariners are requested to transit the area with caution. For more details or comments contact Jason Tse at 415-300-5336.

Chart 18655 LNM: 26/21

NORTHERN CALIFORNIA-CONCORD-SUISUN BAY-MARINE CONSTRUCTION

The Dutra Group is conducting marine construction at the Military Ocean Terminal Concord (MOTCO) during daylight hours until 12 Jan 22. The operation consists of the completion of the Barge Pier Repair and to construct the Small Craft Birthing Facility. The upstream and downstream corners of each barge will be lighted at night with steady burning red lights. A Kelso Barge along with small workboats will be conducting the operations and monitoring VHF-FM Chan. 09, 16 and 68A. Mariners are requested to transit the area with caution. For more details or comments contact Kathleen Nelson at 415-755-0936.

Charts: 18656 18658 LNM: 24/21

NORTHERN CALIFORNIA-CORDELL BANK-SURVEY OPERATIONS

NOAA has deployed two research moorings in the following positions:
38-03-03N 123-27-24W
34-03-24N 123-29-09W
These are orange mooring buoys that have a flat surface float, flagpole, flag, and radar reflector. R/V MUSSEL POINT will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Danielle Lipski at 415-464-5264.

Charts: 18010 18645 LNM: 52/18

NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE

U.S. 101 HIGHWAY BRIDGE-A pedestrian bridge is being constructed on the east side of the highway bridge. Work will take place Monday through Friday 0700-1700, and if needed Sunday night to Thursday night 2300-0600 and Friday night through Saturday night 2300-0800 through 30 Dec 21. On 23, 24, 29, 30 Sep and 01 Oct 21, between the hours of 2300 to 0800, heavy girders will be hoisted over the creek and installed at the new walkway. Mariners should heed the warnings of construction crews during these dates and times and should not pass through the bridge if activity is noticed over the creek. Each girder will be approximately 5 minutes over the channel and will be secured on the new walkway after 15-20 minutes. Temporary platforms have been erected at each bent of the bridge, reducing horizontal clearance of each span by 14 ft and vertical clearance by 9 ft beneath the platforms. The upstream and downstream lower outboard corners of the temporary platform, in the main navigation span, will be lighted at night with fixed red lights (see TempPlatform_CorteMaderaCreek.pdf at the end of this notice for location of lights). No in-water equipment is anticipated at this time. For conditions at the bridge mariners can contact the contractor at 408-605-2892 or Caltrans at 510-867-6033. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18649 LNM: 37/21

NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE

BON AIR RD BRIDGE REPLACEMENT-Construction of the replacement bridge continues. A temporary work trestle spans the channel and provides 20' of horizontal clearance, pile to pile, and 3' of vertical clearance from mean high water to the lowest hittable portion of the trestle (see BonAirRd_Trestle.pdf at the end of this notice for navigation channel location). Four cofferdams have been placed within the creek to facilitate construction of the replacement bridge piers. Work will be conducted Monday through Saturday from 0700-1800. Mariners are requested to transit the area with caution. For conditions at the construction site, mariners can contact the contractor at 925-953-4610/916-919-2428 or the city at 415-259-7050. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18649 LNM: 41/18

NORTHERN CALIFORNIA-DELTA & RIVERS-AMERICAN RIVER-BRIDGE

DOWNSTREAM CA ROUTE 160 BRIDGE-Caltrans has completed replacement of the rock slope scour protection at each in-water pier. The scour slopes ~25 feet from the pier face into the navigation channel (See CA_RT_160_PierScourProtection.pdf drawing at the end of this notice for details.) Mariners should use the center of the navigation channel when transiting the bridge. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18662 LNM: 42/20

NORTHERN CALIFORNIA-DELTA & RIVERS-HONKER CUT-BRIDGE

8-MILE RD BRIDGE- San Joaquin County will be conducting critical rehabilitation of the bridge. Work will be conducted Sunday through Friday, 0700 to 0200, 18 Oct 21 through 22 Feb 22. During these dates the swing span of the bridge will be secured in the closed-to-navigation position and cannot open in the event of an emergency. In the closed position, the swing span provides 6 feet of vertical clearance at Mean High Water. Two 20 x 60 x 7 ft barges will be spudded down at various locations in the two spans of the bridge. A tug and crew boat will be utilized. A temporary

NORTHERN CALIFORNIA-DELTA & RIVERS-HONKER CUT-BRIDGE

platform will be installed beneath the span but will not impact vertical clearance at the bridge when closed. Each corner of each barge will be lighted at night with steady burning red lights. During the work vessels which normally transit the span while closed can continue to do so. For the safety of navigation, the contractor can move barges with a 12-hour advance notice. Vessels unable to transit the bridge in the closed-to-navigation position can take an alternate route to reach either side of the bridge. For further information, contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18661 LNM: 39/21

NORTHERN CALIFORNIA-DELTA & RIVERS-NAPA RIVER-BRIDGE

MARE ISLAND DRAWBRIDGE UNDERDECK PIPELINE REHABILITATION - From 15 Oct 21 through 27 Oct 21, four temporary platforms will be installed upriver and downriver on the east and west sides outside of the bridge's lift span channel. The scaffolds are 11-12 feet in length and will reduce bridge vertical clearance at their locations by 20 feet. The center lower outboard edge of each platform will be lighted at night with a steady burning red light, visible at 2,000 yards from approaching vessels (see MareIslandBridge_Temp_Lighitng.pdf at the end of this notice). The lift span will continue to operate as normal. Mariners are urged to use caution while transiting the bridge. For additional information, contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18654 LNM: 39/21

NORTHERN CALIFORNIA-DELTA & RIVERS-PETALUMA RIVER-BRIDGE

SMART BLACKPOINT RAILROAD DRAWBRIDGE-The upstream fender system protecting the swing span has been destroyed and does not offer protection for vessels or the bridge. Mariners are urged to use caution while transiting the bridge. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18654 LNM: 35/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

RIO VISTA DRAWBRIDGE-TRAFFIC GATE INSTALLATION-Temporary platforms are installed beneath low steel of the bridge in spans 2 and 8 reducing vertical clearance in those spans by no more than 4 feet. The upriver and downriver temporary platforms and associated support cables are lit at night with steady burning red lights (see RVBridge_PlatformCable_Lighting.pdf enclosure at the end of this notice.) At no time will the lift span of the bridge be impacted. Mariners are urged to use alternate spans of the bridge. For conditions at the bridge, mariners can contact the contractor at 925-260-2104 or 925-260-1884. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18661 LNM: 45/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

ELKHORN FERRY (I-5) BRIDGE-The upstream clearance gauge is missing. For more details or comments contact the Coast Guard Bridge Office at 510-437-3514.

Chart 18664 LNM: 13/19

NORTHERN CALIFORNIA-DELTA & RIVERS-SAN JOAQUIN RIVER-BRIDGE

ANTIOCH BRIDGE-Work is in progress on the replacement-in-kind of all navigation lights, fog horns and RACON of the bridge. Work will take place Monday through Friday during daylight hours through 22 Feb 22. A 21' aluminum boat, the "BATES RULES" will be tied off of various piers during the work. At no time will the vessel be working in main navigation span of the bridge. To ascertain the location of the "BATES RULES" mariners can hail it on VHF-FM Channel 16 or 9, 13, or 14 or call 510-557-1507. The vessel can be moved for navigational safety if at least 15 minutes notice is given to the "BATES RULES." For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18661 LNM: 18/21

NORTHERN CALIFORNIA-DELTA & RIVERS-SAN JOAQUIN RIVER-BRIDGE

CROWS LANDING ROAD-Stanislaus County's contractor has begun mobilizing crews and equipment to replace the bridge. Work is being conducted Monday through Friday 0600 to 1600 through 01 Aug 23. A temporary bridge, with a removable span, will be installed to facilitate construction. With the span removed, the temporary bridge will provide, at a minimum, 15 feet of horizontal clearance. The span will be removed after normal working hours. Temporary falsework will be installed to facilitate construction. The temporary falsework's navigation span will provide 17 feet of vertical clearance at Ordinary High Water when the temporary bridge's removable span is removed. Upriver and downriver red channel margin lights and green center channel lights will mark the temporary navigation span at night. To view the temporary navigation span and lighting, see the Temporary_Bridge_Falsework_Lighting.pdf enclosure at the end of this notice. Mariners are requested to use extreme caution when transiting the work site. For conditions at the project site mariners can contact the contractor at 916-869-8210 or 559-593-5182. For further information contact the Coast Guard Bridge Office at 510-437-3461.

LNM: 35/21

NORTHERN CALIFORNIA-EUREKA-CABLE INSTALLATION

Sea Risk Solutions will be conducting Marine Cable Installation Off of Eureka, CA until 30 Oct 21. Installation operations will be conducted by Cable Ship SEGERO and M/V CINDY BROWN TIDE. For cable locations see enclosure EUREKA-CABLE INSTALLATION.pdf. Fishermen are requested to remove all fishing lines or traps within a half nm on either side of the coordinates located on the enclosure. Mariners are requested to transit the area with caution. For more details or comments contact Wolfgang Rain at 206-427-6553.

Charts: 18620 18622 LNM: 37/21

NORTHERN CALIFORNIA-HUMBOLDT BAY-HAZARD TO NAVIGATION

On 25 Nov 20 at 1310, six 40' containers were lost overboard from the cargo vessel MSC ROMANE at 40-49-02N 124-50-06W. Mariners are requested to transit the area with caution and are encouraged to report any sightings of these containers to the nearest Coast Guard Command Center.

Chart 18620 LNM: 48/20

NORTHERN CALIFORNIA-HUMBOLDT BAY-HAZARDOUS CONDITIONS

Humboldt Bay entrance is observing a reduced deep draft limit to 34' based on a +6' tide until maintenance dredging can be performed. Hazardous conditions with breaking surf and heavy shoaling have been observed in the vicinity of Humboldt Bay Lighted Buoy 9 (LLNR8195). Mariners are requested to transit the area with caution and contact U.S. Coast Guard Sector Humboldt Bay on VHF-FM Chan. 16 for assistance. For more details

NORTHERN CALIFORNIA-HUMBOLDT BAY-HAZARDOUS CONDITIONS

or comments contact U.S. Coast Guard Sector Humboldt Bay at 707-839-6113.

Chart 18622 LNM: 50/18

NORTHERN CALIFORNIA-HUMBOLDT BAY-SEASONAL AID DISCONTINUANCE

Humboldt Bay Lighted Bell Buoy 2 (LLNR 8135) will be temporarily discontinued for the 2021-2022 winter season until May 2022. The buoy is scheduled for re-establishment and back on-station May 2022. A Synthetic AIS for the aid position is active and will be available year-round for this aid position. For more details or comments contact LT Paul Garcia at 510-437-2982 or Paul.A.Garcia2@uscg.mil.

Charts: 18620 18622 LNM: 36/21

NORTHERN CALIFORNIA-HUMBOLDT BAY-SUBMERGED BUOY

Two partially submerged spherical orange NOAA buoys last seen at 40-40-27N 124-28-00W in the NW corner of Eel Canyon are now missing with current location unknown. Mariners are requested to transit the area with caution and report any sightings to U.S. Coast Guard. For more details or comments contact Coast Guard Sector Humboldt Bay at 707-839-6113.

Chart 18620 LNM: 45/20

NORTHERN CALIFORNIA-LITTLE POTATO SLOUGH-BRIDGE

CA ROUTE 12 BRIDGE - Caltrans is proposing to conduct mechanical and electrical repairs of the bridge. In order to accomplish this project, the Caltrans is requesting to secure the swing span of the bridge in the closed-to-navigation position from 15 Nov 21 to 29 Apr 22. During the work, the swing span will not be able to open for the passage of vessels. Vessels that normally require an opening can take an alternate route to reach either side of the bridge. In the closed-to-navigation position the swing span of the bridge provides 35 feet of vertical clearance at Mean High Water.

Mariners are requested to comment on how the proposed impacts to navigation on the waterway during this period will affect them. Interested parties are requested to express their views, in writing, giving sufficient detail to establish a clear understanding of their reasons for support of or opposition to the proposed work. Comments can be submitted at Rachel.C.Zamora@uscg.mil or by calling 510-437-3515 through November 1, 2021.

Chart 18661 LNM: 39/21

NORTHERN CALIFORNIA-MALLARD SLOUGH-DREDGE OPERATIONS

The Dutra Group will be conducting dredge operations at the Mallard Slough Intake Channel in Bay Point, CA at 38-02-38N 121-55-47W, 24 hours a day, 7 days a week until 15 Nov 21. DB BEAVER along with tugs TERRI L. BRUSCO and BECKY T will be conducting operations and will monitor VHF-FM Chan. 13, 14 and 80. All dredged material will be disposed at SF-9, Carquinez disposal site. Mariners are requested to transit the area with caution. For more details or comments contact Dennis Salyers at 415-497-5289.

Charts: 18658 18666 LNM: 34/21

NORTHERN CALIFORNIA-MONTEREY BAY-BUOY DEPLOYMENT

The Monterey Bay Aquarium Research Institute (MBARI) has deployed one research buoy until 01 Oct 21. The buoy will be located off Moss Landing at 36-48-54N 121-49-33W in approximately 40m of water. The buoy consists of a Danforth style anchor from the seafloor to surface and an acoustic transponder 10m above the seafloor. The buoy is round, orange, 18 inch vinyl fender and is fitted with a satellite tracking device to transmit its location back to MBARI. Mariners are requested to transit the area with caution. For more details or comments contact MBARI at 831-775-1700, or Brian Kieft at 831-334-7658, bkieft@mbari.org

Chart 18685 LNM: 37/21

NORTHERN CALIFORNIA-MONTEREY BAY-OCEANOGRAPIC OPERATIONS

The United States Navy, Naval Postgraduate School, Oceanography Department have deployed sub-surface oceanographic instrument moorings in Monterey Bay until 17 Oct 21. The moorings will be marked by an 18 inch white buoy, 11 meter spar buoy or a wave buoy. These sub-surface moorings are located at the following coordinates:

1) 36-36-15N 121-53-09W
2) 36-36-50N 121-53-33W
3) 36-37-52N 121-54-59W
4) 36-37-46N 121-56-40W
5) 36-36-20N 121-57-43W
6) 36-36-22N 121-57-57W
7) 36-36-23N 121-58-05W
8) 36-36-24N 121-58-17W
9) 36-34-25N 121-58-31W
10) 36-33-38N 121-57-23W
11) 36-36-14N 121-52-33W
12) 36-37-52N 121-57-26W
13) 36-37-51N 121-57-10W
14) 36-33-30N 121-57-32W
15) 36-42-18N 121-50-40W
16) 36-48-46N 121-49-37W
17) 36-37-12N 121-59-48W
18) 36-49-24N 121-55-02W
19) 36-39-27N 121-55-59W
20) 36-52-36N 121-09-25W
21) 36-39-35N 121-54-17W
22) 36-37-01N 121-52-37W

Mariners are requested to transit the area with caution. For more details or comments contact Jamie MacMahan at 831-588-8727.

Chart 18685 LNM: 35/21

NORTHERN CALIFORNIA-MONTEREY BAY-SAFETY ZONE

On 10 Oct 21, there will be an approximately 20 minute fireworks display from 2000-2020. The safety zone will encompass navigable waters around

NORTHERN CALIFORNIA-MONTEREY BAY-SAFETY ZONE

and under the fireworks launch site within a radius of 1,000 feet at 36-58-10N 121-57-12W. Maintain a 1,000 foot radius from the fireworks launch site until 2020. For more details or comments contact Coast Guard Sector San Francisco Waterways at 510-612-9729.

Chart 18685 LNM: 40/21

NORTHERN CALIFORNIA-MONTEREY-BUOY DEPLOYMENT

Research vessel SHANA RAE has deployed 2 buoys for the Central Coast Long-Term Environmental Assesment Network Program in the vicinity of Monterey Bay at 36-53-20N 121-55-30W and 36-42-40N 121-54-40W until 31 Oct 21. The buoys are 4ft tall white cans with 2 reflective horizontal orange stripes with an orange diamond in the middle on opposing sides of the can with "Kinnetic Laboratories, Inc. 831-457-3950 " written inside the diamond. Also, the word "WARNING" is between the upper horizontal line and the top of the diamond, with a Fl 15 Y. Vessels are requested to transit the area with caution. For more details or comments contact Greg Cotten at 831-239-6192.

Chart 18685 LNM: 37/21

NORTHERN CALIFORNIA-MONTEREY-DREDGE OPERATIONS

The Army Corps of Engineers will conduct dredge operations in the Monterey Marina weekdays from 0730-1730 starting on 01 Oct 21 until 31 Mar 22. The hydraulic Dredge MO-RAY will be working in the marina and monitoring VHF-FM Chan. 16 and 73. A team of city divers will survey the areas to be dredged in advance of the dredging to remove all visible debris. This material will be transported by a city workboat. Mariners are requested to transit the area with caution. For more details or comments contact.

Chart 18685 LNM: 36/21

NORTHERN CALIFORNIA-OAKLAND HARBOR-DREDGE OPERATIONS

The Dutra Group will be conducting dredge operations from 01 OCT 21 until 30 NOV 21 at the Port of Oakland 24 hours a day, 7 days a week at Berths 9, 20-26, 30, 32-35, 37, 55-63 Dredged material will be disposed of at SF-DODS and SF-11. Clamshell dredge DB 24 and/or DB BEAVER along with tugs ARTHUR BRUSCO, PHYLIS T and BECKY T will be on scene and monitoring VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Dredge Superintendent Dennis Salyers at 415-497-5289.

Chart 18640 LNM: 38/21

NORTHERN CALIFORNIA-OAKLAND INNER HARBOR CHANNELS-DREDGE OPERATIONS

The Dutra Group will be conducting dredge operations at the Oakland Inner and Outer Harbor Channels at 37-48-10N 122-21-12W, 24 hours a day, 7 days a week until 30 Dec 21. All dredged material will be disposed of at SF-10/11 or Montezuma Wetlands. DB 24 or DB BEAVER, 04 split hull scows, tugs BECKY T, PHYLLIS T, ARTHUR BRUSCO along with tug HEIDI L BRUSCO will conduct operations and will monitor VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Mr. Dennis Salyers at 415-497-5289.

Chart 18650 LNM: 24/21

NORTHERN CALIFORNIA-OCEAN BEACH-SAN FRANCISCO-GEOPHYSICAL SURVEY

USGS Pacific Coastal and Marine Geology Science Center (PCMSC) is conducting geophysical surveys in the vicinity of Ocean Beach in San Francisco, CA until 31 Dec 21 during daylight hours. Operations will be bounded by the following coordinates:
37-46-36N 127-31-47W
37-42-35N 122-31-47W
37-46-36N 122-30-11W
37-42-35N 122-30-11W
A bathymetric survey utilizing two personal watercraft will be used to conduct operations and they will be monitoring VHF-FM Chan. 16 and 82a. Mariners are requested to transit the area with caution. For more details or comments contact Tim Elfers at 831-460-7479.

Charts: 18645 18649 18680 LNM: 35/21

NORTHERN CALIFORNIA-OFFSHORE EUREKA-DIVE OPERATIONS

RTI Infrastructure INC. will be conducting dive operations offshore Eureka, CA at 40-48-34N 124-12-58W until 29 Oct 21. The M/V JAB will be on scene and in support of divers that will be deployed. Mariners are requested to transit the area with caution. For more details or comments contact Chris Brungardt at 1-916-949-9141.

Charts: 18620 18622 LNM: 33/21

NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-UNDERWATER OPERATIONS

Reef Check Foundation have deployed underwater equipment offshore Monterey Bay, CA within the following coordinates:
36-36-17N 121-52-46W
36-36-18N 121-52-49W
36-36-15N 121-52-50W
36-36-14N 121-52-46W
All equipment will be established until 24 Mar 24. Mariners are requested to transit the area with caution and avoid anchoring within the coordinates listed above. For more details or comments contact Dan Abbot at 510-684-7835.

Chart 18685 LNM: 12/21

NORTHERN CALIFORNIA-OFFSHORE SAN FRANCISCO-OCEANOGRAPHIC OPERATIONS

The U.S. Army Corps of Engineers will be conducting oceanographic research 50 miles offshore of San Francisco, CA, at the San Francisco Deep Ocean Disposal Site (SF-DODS) in position 37-46-0N 123-36-0W to 37-33-0N 123-23-0W until 24 Oct 21, during daylight hours. Research Vessel OCEANUS will be conducting over the side operations and collection of seafloor sediment samples. R/V OCEANUS will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact John Nakayama at 425-967-5285.

Charts: 18640 18645 LNM: 36/21

NORTHERN CALIFORNIA-OLD RIVER-MARINE CONSTRUCTION

Drill Tech Drilling and Shoring, Inc. will conduct marine construction on the Old River Cofferdam at 37-48-20N 121-24-15W until 31 Oct 21. Construction of a steel sheet pile temporary cofferdam will obstruct a portion of Old River. Flashing warning buoys will be marking the construction area. Mariners are requested to transit the area with caution. For more details or comments contact Keith Jones at 510-505-4099.

Chart 18661 LNM: 28/21

NORTHERN CALIFORNIA-RICHARDSON BAY-MARINE CONSTRUCTION

Salt River Construction Corporation will be assisting with marine construction at a private residence in Richardson Bay, CA until 20 Dec 21. M/B YC42, C/B ALASKA, C/B MINK, along with the tug BRANDY BAR will be conducting operations. A mooring location will be located at 37-51-57N 122-27-54W. All vessels will monitor 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.

Charts: 18649 18653 LNM: 50/19

NORTHERN CALIFORNIA-RICHMOND-DREDGING

Manson Construction Co. will be dredging from 04-16 OCT 21. The dredge operation will be 24 hrs a day, 7 days a week within Richmond Inner Harbor from 37-54-23N 122-21-42W to 37-55-16N 122-22-12W with a mechanical dredge NJORD. Dump scows ROCKPORT, GULFPORT and SEAPORT will be transporting from Richmond Inner Harbor to the SF-DODS (Offshore disposal site) and SF-10 (San Pablo Bay Dredged Material disposal site). Mariners are requested to transit the area with caution. For more details or comments contact Project Manager Eric McMann at 510-774-8396.

Charts: 18010 18653 LNM: 38/21

NORTHERN CALIFORNIA-RIO VISTA-FIREWORKS DISPLAY

On 09 Oct 21 from 2045-2055, there will be an approximately 10 minute fireworks display in the Sacramento River near Rio Vista, CA, with fireworks launch sites in approximate position 38-09-16N 121-41-17W. Mariners are requested to transit the area with caution and maintain a 700 foot radius from the fireworks launch site until 2120. For more details or comments contact Brandon Waits at 916-802-4482.

Chart 18661 LNM: 38/21

NORTHERN CALIFORNIA-RIO VISTA-SACRAMENTO RIVER-FIREWORKS DISPLAY

There will be a 15 minute fireworks display on 09 Oct 21 from 2045-2100 in the Sacramento River near Rio Vista, CA. The fireworks launch sites will be at 38-09-15N 121-41-17W. Maintain a 1000 foot radius the fireworks launch sites until 2130. Mariners are requested to transit the area with caution. For more details or comments contact Coast Guard Sector San Francisco Waterways at 415-399-3585.

Chart 18661 LNM: 39/21

NORTHERN CALIFORNIA-SACRAMENTO RIVER-REDUCED VERTICAL CLEARANCE

Overhead power cables upstream of Sacramento River at 38-03-54N 121-47-09W have a reported reduced vertical clearance to 119.5'.

Chart 18660 LNM: 22/16

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-ANCHORAGE 8-HAZARD TO NAVIGATION

A derelict underwater electrical cable has been reported to foul anchors in Anchorage 8 near the following coordinates 37-47-35N 122-21-29W. For more details or comments contact USCG Sector San Francisco Waterways Management at SFWaterways@uscg.mil.

Chart 18649 LNM: 02/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

SAN MATEO/HAYWARD BRIDGE-Structural repairs to the superstructure of the bridge are complete. Work is continuing on the causeway portion of the bridge, east of pier 38, 0700 to 1530, Monday through Friday, through 15 May 22. Various size barges will be used during the project, the largest being a 100′ X 20′ flexifloat barge. During the work day, barges will either be spudded down or tied to the bridge piers, no anchors or anchor line will be utilized. After regular working hours the unmanned barge will be left on-site. For the safety of navigation, the barges can be moved with one-hour advance notice. For conditions at the bridge mariners can contact Golden State Bridge, Inc., on VHF-FM Marine Radio Channels 13, 14, and 16 or by cell phone at 707-246-0725, 925-260-2104, or 925-382-7288. For more details or comments contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18651 LNM: 27/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

RICHMOND-SAN RAFAEL BRIDGE-Concrete/steel repairs and cleaning of the bridge are in progress. Work is being conducted Monday through Friday, 0500 to 1700, through 01 May 23. Temporary underdeck platforms have been installed from the western shore to pier 33 and between piers 43-46 reducing vertical clearance in each span by three feet. The upstream and downstream lower edge of each temporary platform is lighted at night with steady burning red lights (see R-SR_Bridge_Temp_Platform_Lighting.pdf at the end of this notice.) Two 160′ X 50′ barges and one 110′ X 32′ barge are being used to assist in the installation of the platforms and for the blasting and painting. One barge has been secured to pier 8 and will be left on-scene, overnight, unmanned. The outboard corners of the barge at pier 8 is lighted at night with steady red lights. Barge "37" and barge "32" can be contacted on VHF-FM Ch. 16, 13 and 14. At no time will the work impede the east or west navigation spans or their auxiliary spans. For conditions at the bridge, mariners can contact the contractor at 860-904-8787 or 443-847-6286. For further information concerning this project contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18653 LNM: 16/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

RICHMOND-SAN RAFAEL BRIDGE-Gusset repairs on the bridge are in progress. Four temporary underdeck platforms will be installed beneath the bridge, between piers 34-35 and 47-48 and shall encroach no more than 175 feet from each fender face to edge of platforms towards centerline, reducing vertical clearance by no more than 7 feet. During the work the east span will provide 620 feet and the west span will provide 650 feet of horizontal clearance in the center of the channel for navigation. The upstream and downstream lower edge of each temporary platform will be lighted at night with steady burning red lights (see Rich-SR_Bridge_TemporaryPlatform.pdf at the end of this notice for location of lights). Work is being conducted Monday through Friday, 0700 to 1700 through 15 Feb 23. For conditions at the bridge, mariners can contact Caltrans at 510-715-8212. For further information concerning this project please contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18653 LNM: 22/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

GOLDEN GATE BRIDGE-Four 54' temporary under deck platforms; one 1450' and one 2025' north of the south tower, one 500' and one 725' south of the north tower, reduce vertical clearance at the bridge by no more than 14'. The bridge's maintenance travelers are in use during the project and will remain outboard of the furthest north and furthest south temporary platforms. The temporary platforms and maintenance travelers are lighted at night with all-round red lights (see PlatformLighting_GG_Bridge_21Jul21.pdf at the end of this notice). For navigational safety the

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

maintenance travelers can be moved by contacting the Golden Gate Bridge at 415-923-2220. Work is being conducted Monday through Saturday, 0700-1700 and 2100-0500. For conditions at the bridge, mariners can contact the contractor at 415-716-0384. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18649 LNM: 29/21

NORTHERN CALIFORNIA-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 Southampton Shoal Light (LLNR 5480). Mariners are requested to transit the area with caution. For more details or comments contact LT Miranda Brumbaugh at 510-437-2978 or Miranda.E.Brumbaugh@uscg.mil.

Chart 18649 LNM: 23/15

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-FLEET WEEK

San Francisco Bay will host the 2021 Fleet Week parade of Navy ships and Blue Angels demonstrations from 07-10 Oct 21. Coast Guard units will be enforcing the regulations in 33 CFR 100.1105 that establish regulated areas in the navigable waters of San Francisco Bay. Both regulated areas Alpha and Bravo will include all navigable waters from the surface to the seafloor encompassed by the following coordinates:

Regulated Area Alpha:
37-48-40N 122-28-38W
37-49-10N 122-28-41W
37-49-31N 122-25-18W
37-49-06N 122-24-08W
37-47-53N 122-22-42W
37-46-00N 122-22-00W
37-46-00N 122-23-07W

Regulated Area Bravo:
37-48-27N 122-24-04W
37-49-31N 122-24-18W
37-49-00N 122-27-52W
37-48-19N 122-27-40W

Temporary buoys with synthetic AIS will be installed on 04 Oct 21 and removed on 11 Oct 21. The buoys at the Center and Northwest corner point will be partially obstructing the East bound traffic lane and the buoys at the Northeast and Southeast corner will be partially encroaching upon the precautionary area east of Alcatraz Island. The locations of the temporary buoys are listed below:
Center: 37-49-00N 122-25-35W
SW Corner: 37-48-36N 122-26-47W
NW Corner: 37-49-07N 122-26-52W
NE Corner: 37-49-23N 122-24-21W
SE Corner: 37-48-53N 122-24-16W
E-ATON will be used to mark a box with the following coordinates:
Northern Boundary
N1: 37-49-10'N 122-26-22W
N2: 37-49-14N 122-25-52W
N3: 37-49-17-N 122-25-22W
N4: 37-49-20N 122-24-52W

Western Boundary
W1: 37-48-57N 122-26-50W
W2: 37-48-47N 122-26-49W

Southern Boundary
S1: 37-48-39N 122-26-17W
S2: 37-48-43N 122-25-46W
S3: 37-48-46N 122-25-16W
S4: 37-48-50N 122-24-46W

Eastern Boundary
E1: 37-49-12N 122-24-19W
E2: 37-49-02N 122-24-18W

Centered Buoy Position: 37-49-00N 122-25-35W
Regulated area Alpha for the Navy Parade of Ships will be enforced from 1030-1200 on 08 Oct 21. Regulated area Bravo for the U.S. Navy Blue Angels Activities will be enforced from 1230-1700 on 07 Oct, 1200-1600 on 08 Oct and 1130-1600 on 09-10 Oct 21. Under the provisions of 33 CFR 100.1105 a vessel may not enter the regulated area, unless it receives permission from the Captain of the Port.

Additionally, no person or vessel may enter or remain within 500yds ahead of the lead Navy parade vessel, within 200yds astern of the last parade vessel, and within 200yds on either side of all parade vessels. No person or vessel shall anchor, block, loiter in, or impede the transit of ship parade participants or official patrol vessels.

Charts: 18649 18650 LNM: 36/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-LOCH LOMOND MARINA-DREDGE OPERATIONS

Salt River Construction Corporation is conducting dredge operations in Loch Lomond Marina at 37-58-06N 122-29-00W from 11 Oct21 until 30 Nov 21. Dredge barge DB1, DB4, PC-1000 and Tug P CAY will be conducting operations and monitoring VHF-FM Chan. 13, 14 and 77. There will be a 5 foot anchor buoy with characteristics of Fl Y Q at 37-57-30N 122-27-53W. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-LOCH LOMOND MARINA-DREDGE OPERATIONS

Chart 18653 LNM: 40/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-OAKLAND INNER HARBOR-BRIDGE

MILLER SWEENEY DRAWBRIDGE- Alameda County is conducting repairs to the bridge fender system, including removal and replacement of the dolphin clusters, along with construction of a replacement access pier. The work is being conducted from 0700-1530, Mon-Fri, through 30 Nov 21. Three barges will be onsite for the project: 50x150' crane & excavator barge, "KELSO"; a 88x99' crane barge, "CB2"; and a 60x76' material barge, 'LITTLE CINDY" (see MillerSweeney_barge-locations.pdf at the end of this notice). Also, onsite will be the tugboat "SARAH REED", workboat 'LINDA T", and a skiff boat. All vessels will be monitoring VHF-FM chl 9 & 16, and working chl 68A. Contractor can be contacted by calling 415-755-5421. After normal working hours, the barges will be unmanned and spudded down in the navigable channel northwest of the High St. Bridge. During working hours, a barge can be moved for safe navigation of passing vessels with 30 min notice. Mariners are requested to transit the area with caution. For more details or comments contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18649 LNM: 28/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-OAKLAND INNER HARBOR-SHOALING

Shoaling has been reported on the south side of Oakland Inner Harbor South Channel in the east passage through the Fruitvale 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 18650 LNM: 16/15

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-SAFETY ZONE

On 01 Oct 21 from 2150-2200, there will be a 10 minute fireworks display in the San Francisco Bay near San Francisco, CA, with fireworks launch sites will be at 37-48-23N 122-23-51W. Mariners are requested to transit the area with caution and maintain a 500 foot radius from the fireworks launch sites from 2150 until 2230. For more details or comments contact Coast Guard Sector San Franciso Waterways at 510-612-9729.

Chart 18649 LNM: 39/21

NORTHERN CALIFORNIA-SAN FRANCISCO-GEOPHYSICAL SURVEY

The USGS Pacific Coastal and Marine Science Center is conducting a series of up to five one-day near shore geophysical surveys and up to three rapid-response surveys in Monterey Bay, CA until 01 Nov 21. A bathymetric survey using a two personal watercraft, each equipped with a 200 kHz single beam echo sounder, will be used to conduct cross shore transects from within the surf zone out to 1200m from shore to document the effects of large wave events on seafloor morphology. For more details or comments contact Tim Elfers at 831-460-7479.

Charts: 18680 18685 LNM: 07/20

NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-DREDGE OPERATIONS

Pacific Dredge & Construction will be conducting dredge operations between Bradford Island at 38-03-34N 121-40-50W and Port of Stockton at 37-57-07N 121-19-48W in San Joaquin River until 30 Nov 21. Operations will be conducted 24hrs a day. The Dredge SANDPIPER will be connected to a floating pipeline which may be 20,000 feet long. The pipeline will be marked with warning buoys throughout the entire length. Dredge SANDPIPER will be assisted by anchor boat KATHLEEN and ADMIRAL. All vessels will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Matt MacArthur at 951-541-6941.

Charts: 18656 18661 18662 LNM: 36/21

NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-MARINE CONSTRUCTION

Shimmick Construction Company, Inc. (SCCI) is conducting marine construction for the Smith Canal Gate Project in the San Joaquin Deep Water Shipping Channel from 0600 to 1800 Monday through Saturday until 30 Dec 22. Operations will be conducted between the following coordinates:
37-57-31N 121-21-11W
37-57-25N 121-21-08W
Staging Yard
37-57-09N 121-19-55W
Mariners are requested to transit the area with caution. For more details or comments contact Tyler Shell at 510-393-0308.

Charts: 18661 18663 LNM: 28/20

NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-PATTERSON-UNDERWATER OPERATIONS

Longitude 123, Inc. is conducting underwater operations, including commercial diving, in the San Joaquin River near Patterson, California until 01 Oct 21 at 37-27-18N 121-02-26W. A sectional barge with a crane will be moored using spuds and two backup anchors. The anchors will be marked by orange plastic crown buoys. All vessels will monitor VHF-FM Chan. 16. All Mariners are requested to transit the area with caution and all vessels approaching the moored work vessels must receive radio permission from the diving supervisor on the derrick barge before passing within 500 feet of the barge. For more details or comments contact Scot Anderson at (805) 796-1235.

Chart 18661 LNM: 28/21

NORTHERN CALIFORNIA-SAN LEANDRO BAY-BRIDGE

BAY FARM ISLAND HIGHWAY BRIDGE-The south side lower slat on the fender system is missing. Mariners are urged to transit the bridge with caution. The bridge owner is in the process of designing a replacement pier protection system. For more details or comments contact the Coast Guard Bridge Office at 510-437-3514.

Chart 18649 LNM: 37/18

NORTHERN CALIFORNIA-SAN PABLO BAY-SOUTH SLOUGH-BRIDGE

TEMPORARY BRIDGE-PG&E has installed a temporary floating bridge, in position 38-09-09N, 122-20-08W, to facilitate emergency tower repairs to the electrical grid. Mariners are urged to use caution when transiting the area. For further information mariners can contact the Coast Guard Bridge Office at 510-437-3516.

Charts: 18654 18655 LNM: 12/21

NORTHERN CALIFORNIA-SAN PABLO BAY-SUBMARINE CABLE

Trans Bay Cable LLC owns and operates a charted submarine cable that experiences intermittent exposures in San Pablo Bay. All vessels are

NORTHERN CALIFORNIA-SAN PABLO BAY-SUBMARINE CABLE

advised not to anchor, use ground tackle, fish, or dredge in the vicinity of 38-03-27N 122-16-22W as this increases the risk of damage violating 47 USC 2. Mariners are requested to transit the area with caution. For more details or comments contact Trans Bay Cable Operations Center at operator@transbaycable.com or 925-427-9744.

Charts: 18654 18655 LNM: 25/20

NORTHERN CALIFORNIA-SAN RAFAEL CREEK-BRIDGE

IRWIN ST/HWY 101 OFF RAMP BRIDGE- As part of the bridge replacement project, Caltrans has installed a containment system around the existing bridge through 31 Dec 21. Mariners are requested to transit the area with caution. For more details or comments, contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18654 LNM: 08/21

NORTHERN CALIFORNIA-SANTA CRUZ HARBOR-SHOALING

There are hazardous and shoaled conditions in the Santa Cruz Harbor Channel Entrance. Mariners transiting the Santa Cruz Harbor should use caution for hazardous conditions of breaking surf and shoaling in the Santa Cruz Harbor entrance that may occur during all surf and tidal conditions. Mariners are highly advised not to transit the Santa Cruz Harbor Channel unless sea and tide conditions are suitable for your vessel's draft. Mariners may view soundings on the Santa Cruz Harbor at https://www.santacruzharbor.org/entrance-soundings. For more details or comments contact the Santa Cruz Harbor at 831-475-6161 or VHF-FM Chan. 9 and 16.

Chart 18685 LNM: 03/21

NORTHERN CALIFORNIA-SOUTHERN CALIFORNIA-MONTEREY BAY-CHANNELS ISLANDS-SUB-SURFACE OCEANOGRAPHIC INSTRUMENT MOORING

The United States Navy, Naval Postgraduate School, Oceanography Department have deployed sub-surface oceanographic instrument moorings until 01 Nov 21. These sub-surface moorings are part of the Monterey Bay and Channel Islands Sound Scape Monitoring Project. These sub-surface moorings are located at the following coordinates:
36-47-53N 121-58-34W
36-38-53N 121-54-30W
34-02-38N 121-54-30W
34-05-08N 120-31-24W
33-50-56N 120-07-06W
34-01-06N 119-19-00W
36-22-13N 122-18-53W
Mariners are requested to transit the area with caution. For more details or comments contact Keith Wycoff at 831-656-2567.

Charts: 18685 18700 18720 LNM: 48/18

NORTHERN CALIFORNIA-SUISUN BAY-MONTEZUMA SLOUGH-MARINE CONSTRUCTION

The California Department of Water Resources advises that will be installing flashboards at the Suisun Marsh salinity control structure, located 2.2 nautical miles from the easterly end of Montezuma Slough at 38-05-36N 121-53-07W. Mariners are advised to use the boat lock. The boat lock signal is a standard traffic light and the operator will monitor VHF-FM Chan. 13. Mariners are requested to transit the area with caution. For more details or comments contact Ian Uecker at 916-574-2991.

Chart 18656 LNM: 34/21

OFFSHORE OREGON-CAPE FALCON-COMMERCIAL SALMON FISHERIES

EFFECTIVE WEDNESDAY, SEPTEMBER 8, 2021, IN THE RECREATIONAL SALMON FISHERY FROM THE QUEETS RIVER TO LEADBETTER POINT (WESTPORT SUBAREA) IS CLOSED.
EFFECTIVE SATURDAY, SEPTEMBER 4, 2021, IN THE RECREATIONAL SALMON FISHERY FROM CAPE ALAVA TO QUEETS RIVER (LA PUSH) SUBAREA) IS CLOSED.
EFFECTIVE FRIDAY, SEPTEMBER 3, 2021, IN THE COMMERCIAL SALMON TROLL FISHERY TROM THE U.S./CANADA BORDER TO CAPE FALCON, THE LANDING AND POSSESSION LIMIT IS 50 MARKED COHO PER VESSEL PER LANDING WEEK (THURSDAY - WEDNESDAY).

Charts: 18480 18500 18520 LNM: 36/21

SOUTHERN CALIFORNIA- OFFSHORE SAN FRANCISCO BAY-OCEANOGRAPHIC OPERATIONS

The R/V OCEANUS will be conducting various research offshore San Francisco Bay, CA, 24 hours a day from 21 Oct until 06 Nov 21. Operations will be conducted at the following coordinates.
38-05-30N 125-22-04W
37-43-00N 124-00-04W
37-46-25N 123-10-00W
37-05-00N 122-43-04W
36-20-00N 124-19-04W
R/V OCEANUS (call sign WXAQ) will be conducting oceanographic research involving over the side, towing operations and surface drifter deployments. Autonomous underwater and surface vehicles will also be operated in the area. Corps of Engineers involving over the side operations and collection of seafloor sediment samples. R/V OCEANUS will be monitoring VHF-FM Chan. 13 and 16. For more details or comments contact Jeremy Fox at foxjer@oregonstate.edu

Charts: 18010 18645 LNM: 40/21

SOUTHERN CALIFORNIA-CATALINA ISLAND-BUOY DEPLOYMENT

Marine BioEnergy INC. will deploy an 82 inch research buoy near Two Harbors, Catalina Island, CA at 33-28-12N 118-29-33W and will be removed the same day. The buoy will be yellow in color and Fl Y 4s. Mariners are requested to transit the area with caution. For more details or comments contact Cindy Wilcox at 818-952-6018.

Chart 18757 LNM: 35/21

SOUTHERN CALIFORNIA-CATALINA ISLAND-CAPTAIN OF THE PORT ORDER

The captain of the port has established a temporary safety zone for the ocean cup rum run encompassing all navigable waters from the surface to the sea floor in the vicinity of ship rock and two harbors within the following coordinates:

SOUTHERN CALIFORNIA-CATALINA ISLAND-CAPTAIN OF THE PORT ORDER

33-27-38N 118-30-09W
33-27-51N 118-29-53W
33-27-34N 118-28-54W
33-27-12N 118-29-17W

No vessels may enter into, transit through, or anchor within the safety zone unless authorized by the U.S. Coast Guard. In addition to the safety zone, the federal aviation administration has instituted a 5 NM radius temporary flight restriction around the safety zone prohibiting the use of unmanned aerial vehicles, also known as drones. Mariners are advised to maintain a sharp lookout and transit the area with caution. For more details or comments contact U.S. Coast Guard LA/LB at 310-521-3815.

Chart 18757 LNM: 39/21

SOUTHERN CALIFORNIA-CHANNEL ISLANDS HARBOR-MARINE CONSTRUCTION

Connolly Pacific will conduct marine construction and jetty repairs in Channel Islands Harbor, CA during daylight hours until 23 Nov 21. Two offshore cylinder can moorings with a light characteristic (Fl W 2s) will be utilized outside of the navigable channel in the vicinity of Hobie Beach, Channel Islands, CA during operations. DB LONG BEACH and support tugs LARCONA or PATCONA II will be on scene monitoring VHF-FM Chan. 13, 16, and 79A. Mariners are requested to transit the area with caution. For more details or comments contact Caleb Shen 562-577-3602.

Chart 18725 LNM: 13/21

SOUTHERN CALIFORNIA-ESTERO BLUFFS STATE PARK-SUBMERGED ANCHOR CABLE

Mariners and surfers in the vicinity of North Cayucos are advised of an anchor cable extending from the surf zone to the grounded F/V POINT ESTERO in the vicinity of Estero Bluffs State Park 35-26-51N 120-55-09W. The anchor cable is marked with multiple orange fenders with the end of cable connected to the vessel. For more details or comments contact Coast Guard Sector LA/LB Command Center at 310-521-3815.

Chart 18703 LNM: 43/17

SOUTHERN CALIFORNIA-HUNTINGTON BEACH-CAPTAIN OF THE PORT ORDER

The captain of the port has established a temporary safety zone for the pacific airshow encompassing all navigable waters from the surface to the sea floor within the following coordinates:
33-38-23N 117-58-51W
33-37-59N 117-59-12W
33-39-38N 118-01-48W
33-40-01N 118-01-27W

No vessels may enter into, transit through, or anchor within the safety zone unless authorized by the U.S. Coast Guard. In addition to the safety zone, the federal aviation administration has instituted a 5 NM radius temporary flight restriction around the safety zone prohibiting the use of unmanned aerial vehicles, also known as drones. Mariners are advised to maintain a sharp lookout and transit the area with caution. For more details or comments contact U.S. Coast Guard LA/LB at 310-521-3815.

Chart 18749 LNM: 39/21

SOUTHERN CALIFORNIA-LONG BEACH-MARINE CONSTRUCTION

Connolly-Pacific Co. is conducting marine construction at the Long Beach Inner Harbor alongside Berths 76, 77 and 86 until 31 Oct 21. Derrek Barge LOS ANGELES, tug DURANGO and a flat barge will be performing pile driving and berth repairs Monday through Friday from 0700-1900. Mariners are requested to transit the area with caution. For more details or comments contact Tobey Walker at 562-577-0730.

Charts: 18749 18751 LNM: 34/21

SOUTHERN CALIFORNIA-LOS ANGELES RIVER-GEOTECHNICAL INVESTIGATIONS

The City of Long Beach will be conducting geotechnical investigations within the Los Angeles River at 33-46-34N 118-12-19W until 15 Oct 21 from 0700-1700. Operations will be conducted South of the Shoemaker Bridge by a crane barge and a shallow draft boat which will be monitoring VHF-FM Chan. 06 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Mike York at 206-669-8818.

Chart 18751 LNM: 34/21

SOUTHERN CALIFORNIA-NEWPORT BEACH-MARINE CONSTRUCTION

Associated Pacific Constructors Inc. is conducting marine construction in Newport Beach Harbor at 33-35-58N 117-52-47W until 27 Oct 21. A Crane Barge will be working along with tug BALANA on the pier and dock near the city of Newport Beach Quarantine Moorings. All vessels will be monitoring VHF-FM Chan. 10 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Paul Gillen at 805-234-5055.

Charts: 18746 18754 LNM: 35/21

SOUTHERN CALIFORNIA-NEWPORT HARBOR-TEMPORARY ANCHORAGE

The City of Newport Beach Harbor Department will establish a temporary anchorage until 31 Dec 21 that will be bounded by the following coordinates:
A-33-37-06N 117-55-36W
B-33-37-07N 117-55-35W
C-33-37-04N 117-55-30W
D-33-37-01N 117-55-33W

A Newport Beach Harbor Department vessel will be deploying four yellow 42 inch spherical buoys to mark the anchorage. All vessels conducting the buoy deployment will monitor VHF-FM Chan. 19. Mariners are requested to transit the area with caution. For more details or comments contact the City of Newport Beach Harbor Department at 949-270-8159.

Chart 18754 LNM: 29/21

SOUTHERN CALIFORNIA-OFFSHORE GAVIOTA-UNDERWATER OPERATIONS

Aqueos Corporation will be conducting offshore underwater maintenance with a ROV until 31 Oct 21. Operations will be conducted along the following coordinates:
34-21-34N 120-16-08W
34-20-29N 120-16-08W
34-20-27N 120-17-31W

SOUTHERN CALIFORNIA-OFFSHORE GAVIOTA-UNDERWATER OPERATIONS

34-21-32N 120-17-31W
34-23-12N 120-09-28W
34-22-07N 120-09-25W
34-22-06N 120-10-48W
34-23-11N 120-10-48W
34-24-01N 120-06-36W
34-22-56N 120-06-36W
34-22-55N 120-07-55W
34-24-00N 120-07-58W

M/V HOS BAYOU will be conducting operations using "live boat mode" 24 hrs a day and monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact project manager Jason Smith at 805-205-3156.

Charts: 18720 18721 LNM: 35/21

SOUTHERN CALIFORNIA-OFFSHORE GOLETA- GEOLOGICAL SURVEY

Fugro will be conducting a multibeam survey from the M/V Julie until 06 OCT 21 during daylight hours. The survey area is outlined by the following coordinates.

34-23-01N 119-53-13W
34-22-46N 119-54-18W
34-24-40N 119-55-09W
34-25-35N 119-55-03W
34-25-19N 119-54-30W

M/V Julie Ann will be monitoring VHF-FM Chan. 16 Mariners are requested to transit the area with caution. For more details or comments contact Cindy Pratt at 805-650-7000.

Charts: 18720 18721 LNM: 37/21

SOUTHERN CALIFORNIA-OFFSHORE GOLETA- GEOLOGICAL SURVEY

Fugro will be conducting a multibeam survey from the M/V JULIE ANN until 05 OCT 21 during daylight hours. The survey area is outlined by the following coordinates.

34-23-02N 119-53-14W
34-22-47N 119-54-18W
34-24-40N 119-55-09W
34-25-36N 119-55-03W
34-25-20N 119-54-31W

M/V JULIE ANN will be monitoring VHF-FM Chan. 16 Mariners are requested to transit the area with caution. For more details or comments contact Cindy Pratt at 805-650-7000.

Chart 18721 LNM: 38/21

SOUTHERN CALIFORNIA-OFFSHORE OCEANSIDE-HELICOPTER OPERATIONS

RSG Rotorcraft Services Group will be conducting helicopter operations offshore Oceanside, CA at 33-10-00N 117-35-00W and 33-09-00N 117-28-00W. Helicopter N549QC will be lowering a submersible sonar to the depths of 1640 ft. There will be a rescue boat on scene to provide a barrier to the cable. Mariners are requested to transit the area with caution. For more details or comments contact Craig Werley at 607-821-9542.

Chart 18746 LNM: 51/20

SOUTHERN CALIFORNIA-OFFSHORE PT. CONCEPTION TO DEL MAR-OCEANOGRAPHIC OPERATIONS

Research vessel SALLY RIDE is conducting surface to floor oceanographic operations offshore Pt. Conception to Del Mar, CA from 31 Oct until 15 Nov 21. Research vessel SALLY RIDE will monitor VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Daniel Schuller at 858-534-2888.

Charts: 18720 18740 LNM: 40/21

SOUTHERN CALIFORNIA-OFFSHORE SANTA MONICA- GEOLOGICAL SURVEY

Fugro will be conducting a geophysical survey from the M/V JULIE ANN from 04-10 OCT 21 and 25 Oct until 7 Nov 21 during daylight hours. M/V JULIE ANN will be towing up to 300 feet of cable during survey operations. The survey area is outlined by the following coordinates.

34-02-15N 118-33-32W
34-02-09N 118-33-06W
34-01-17N 118-33-10W
34-01-18N 118-33-40W

M/V JULIE ANN will be monitoring VHF-FM Chan. 16 Mariners are requested to transit the area with caution. For more details or comments contact Cindy Pratt at 805-650-7000.

Chart 18744 LNM: 39/21

SOUTHERN CALIFORNIA-OFFSHORE SANTA MONICA-UNDERWATER OPERATIONS

Los Angeles Department of Water and Power will be conducting dive operations from 11 Oct 21 until 19 Nov 21, during daylight hours. Operations will be conducted bounded by the following coordinates:

34-01-33N 118-33-00W
34-00-00N 118-33-00W
34-00-21N 118-34-12W
34-00-57N 118-32-24W

Dredge PTS 270, TUG BLARNEY and MISS MAYA will be conducting operations and monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Victor Ventura at 213-367-1339.

Chart 18744 LNM: 40/21

SOUTHERN CALIFORNIA-OFFSHORE SANTA ROSA AND SANTA CRUZ ISLANDS-ISLA VISTA-GEOPHYSICAL SURVEY OPERATIONS

SOUTHERN CALIFORNIA-OFFSHORE SANTA ROSA AND SANTA CRUZ ISLANDS-ISLA VISTA-GEOPHYSICAL SURVEY OPERATIONS

Scripps Institution of Oceanography will be conducting geophysical surveys at 34-01-00N 119-17-00W in the vicinity of the Santa Rosa and Santa Cruz Islands, Isla Vista at 34-22-00N 119-50-00W and Point Conception at 34-25-00N 120-28-00W until 04 Oct 21. R/V BEYSTER will be trailing survey instruments 1640 feet off the stern and will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Jillian Maloney at 619-228-6075.

Charts: 18700 18720 LNM: 35/21

SOUTHERN CALIFORNIA-POINT LOMA-GULF OF SANTA CATALINA-OCEANOGRAPHIC OPERATIONS

The Scripps Institution of Oceanography research vessel ROBERT GORDON SPROUL (Call Sign WSQ-2674) will conduct surface-to-floor oceanographic operations from 09-10 Oct 21. Operations consist of over-the-side sampling with a variety of tethered instruments. Operations will be within 4 NM of 32-42-00N 117-22-50W. During operations R/V ROBERT GORDON SPROUL will be restricted in ability to maneuver and will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Eric Buck at 858-534-5568.

Chart 18765 LNM: 39/21

SOUTHERN CALIFORNIA-POINT LOMA-GULF OF SANTA CATALINA-OCEANOGRAPHIC OPERATIONS

The Scripps Institution of Oceanography research vessel ROBERT GORDON SPROUL (Call Sign WSQ-2674) will conduct surface-to-floor oceanographic operations from 0800-1800 on 16 Oct 21. Operations will be conducted at the following coordinates:
32-42-25N 117-25-39W
32-41-00N 117-22-29W
32-39-35N 117-19-19W
During operations R/V ROBERT GORDON SPROUL will be restricted in ability to maneuver and will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Eric Buck at 858-534-5568.

Chart 18765 LNM: 40/21

SOUTHERN CALIFORNIA-POINT MUGU-BUOY DEPLOYMENT

Scripps Institution of Oceanography has deployed an atmospheric sampling buoy south of Point Mugu, CA in position 34-03-12N 119-09-47W. The yellow buoy will be exposed 12’ above the waterline and will be flashing FL 1 Y 4s. For more details or comments contact Lisa Hazard at 858-822-2873.

Charts: 18720 18725 LNM: 26/18

SOUTHERN CALIFORNIA-PORT OF LONG BEACH-MARINE CONSTRUCTION

Dutra Construction Company will be conducting dredge operations at the Port of Long Beach Pier G between berths G235 and G236. Operations will be until 01 Mar 22 and will be Monday through Saturday from 0600 to 2100. DREDGE MORTY will conduct operations and will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Andrew Hunt at 415-847-6640.

Charts: 18749 18751 LNM: 23/21

SOUTHERN CALIFORNIA-PORTS OF LOS ANGELES/LONG BEACH-LA/LB HARBOR-BRIDGE

VINCENT THOMAS BRIDGE-Painting of the underdeck of the bridge continues. The 180' temporary platform, which reduces vertical clearance by 4’, is currently being moved so its east end is 3’ from the centerline of the bridge. The upstream and downstream corners and every 50' along the upstream and downstream side of the platform is lighted at night with steady burning red lights (see V_Thomas_Platform_Lighting1.pdf at the end of this notice). Work will take place during daylight hours, Monday through Friday. For conditions at the bridge mariners can contact 213-479-4138, 213-479-1144 or 310-261-9552. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

GERALD DESMOND BRIDGE REPLACEMENT PROJECT-Underdeck platforms have been installed to conduct finishing work on the replacement bridge. The platforms are above low steel of the existing being replaced bridge. There is no reduction in vertical clearance in the navigation channel. For conditions at the work site, mariners can contact the contractor via marine radio on VHF-FM CH 13 and 79 or by cell at 424-230-9925. For more details view the website, www.NewGDBridge.com/Waterway, or contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18749 LNM: 31/21

SOUTHERN CALIFORNIA-PT. DUME TO PURISIMA POINT-UNDERWATER OPERATIONS

The US Navy is conducting underwater operations off the coast of California within 5 NM of position 33-48-00N, 119-00-00W from 23 Sep until 15 Oct 2021. The M/V INDEPENDENCE will be monitoring VHF-FM Chan. 13 and 16. Mariners are advised to use caution when transiting the area due to submerged gear and are requested to maintain at least a 2 NM closest point of approach (CPA). For more details or comments contact Kevin Wolf at 805-982-1640 or 805-701-0784.

Charts: 18022 18720 LNM: 38/21

SOUTHERN CALIFORNIA-SAN CLEMENTE ISLAND-SAFETY ZONES

Mariners operating in the vicinity of San Clemente Island are reminded of the restricted waterway access surrounding San Clemente Island (33 CFR 165.1131; 33CFR 165.1141). Since the inception of the regulations, numerous safety zone violations have been processed by Coast Guard Sector San Diego. Safety Zone Incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancellations. Violators of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to $90,901.00.
Furthermore, if a mariner holds a Merchant Mariner Credential, suspension or revocation action may be pursued against the mariner's credential. For more details see MSSB 02-16 SCI Safety Zone.pdf in the enclosure section.

Chart 18762 LNM: 41/16

SOUTHERN CALIFORNIA-SAN DIEGO BAY-BRIDGE

CORONADO BAY BRIDGE MAINTENANCE-Scaffolding installed between piers 11-12, 12-13, and 13-14, reduces vertical clearance by more than 8'. The upstream and downstream lower edges of the scaffolding are lighted at night with red lights. For more details or comments contact the Coast Guard Bridge Office at 510-437-3461.

Charts: 18772 18773 LNM: 13/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. will conduct marine construction at the San Diego Bay Waterfront at 32-41-35N 117-09-03W until 15 Mar 22. Vessels DB POINT LOMA, DB WILLIAM F DB PALOMAR, along with scows HAROLD M, CLARENCE D, ROB P, and Mike J will work in conjunction with push boat JENNIE R during operations. All vessels will be monitoring VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Chart 18773 LNM: 34/21

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

Manson Construction will be conducting demolition and construction at Naval Base San Diego, Pier 6 from 06 Oct 21 until 28 Mar 23. Operations will take place at 32-40-35N 117-07-29W. Mariners are urged to transit by the work site and all associated vessels at their slowest safe speed to minimize wake, and proceed with caution after passing arrangements have been made. For more details or comments contact Connor Long at 510-766-6262.

Chart 18773 LNM: 40/21

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. will conduct marine construction until 31 Jul 22 in San Diego Bay at 32-41-13N 117-08-22W. Dredge DB POINT LOMA, DB PALOMAR, DB WILLIAM F, scows HAROLD M, CLARENCE D, ROB P, MIKE J, along with push boat JENNIE R, JOHN DRAKE, Tug KILLEEN, and Tug CUYAMACA will be conducting operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Brian Goerres at 619-481-1429 or Erick Myers at 619-233-0178.

Chart 18773 LNM: 33/21

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. will conduct marine construction until 20 Jun 22 in San Diego Bay at position 32-41-24N 117-14-04W. Dredge DB PALOMAR, RES 80, RES spud barge, Tug KILEEN, along with assist boats JOHN DRAKE and JEANNIE R will be on scene monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Robbin Pepper at 619-524-8532 or Casey Wilson at 619-233-0178.

Charts: 18772 18773 LNM: 08/21

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE EVENT

Fireworks America will sponsor the fireworks display at the USS MIDWAY on 18 Oct 21 from 2155-2200. The event will consist of a fireworks shoot from a barge located in San Diego Bay, southwest of the USS MIDWAY at 32-42-47N 117-10-35W. Mariners are advised to avoid the area and use due caution when transiting in the vicinity of the barge. For more details or comments contact Julie Andrews at 619-938-8277.

Chart 18773 LNM: 40/21

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE EVENT

Enviro-Sports Productions, Inc. will be sponsoring the San Diego Sharkfest Swim on 10 Oct 21 from 0900-1000 in San Diego Bay. The event will involve approximately 100 participants swimming across the Federal Channel from Fifth Avenue Landing in San Diego to Tidelands Park on Coronado Island. A marine event special local regulation zone will be in effect from 0830-1030 encompassing all navigable waters around the marine event location. Mariners will be prohibited from transiting through the special local regulation area during this period. For more details or comments contact David Horning at 415-310-0788.

Chart 18773 LNM: 40/21

SOUTHERN CALIFORNIA-SAN DIEGO BAY–MARINE CONSTRUCTION

The U.S. Navy will be conducting maintenance at Pier 22, Naval Amphibious Base, Naval Base Coronado at 32-40-45N 117-09-32W. Construction will take place from 0600-1800, weekdays until 30 Sep 21. Mariners are urged to transit by the work site and all associated vessels at their slowest safe speed to minimize wake, and proceed with caution after passing arrangements have been made. For more details or comments contact LT Nicolaas van Wyngaardt at 619-437-0967.

Chart 18773 LNM: 30/21

SOUTHERN CALIFORNIA-SAN DIEGO RIVER-BRIDGE

WEST MISSION BAY DRIVE BRIDGE-The City of San Diego is replacing the existing bridge. A temporary work trestle, providing a vertical clearance of 8' over Mean Sea Level and open channels between silt curtains, is in place. Scheduled completion date of the bridge replacement project is November 2022. Mariners are urged to use caution while navigating the replacement bridge work site. For more details or comments contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18765 LNM: 34/19

SOUTHERN CALIFORNIA-SAN DIEGO-MISSION BAY-MARINE EVENT

KOZ Events is sponsoring the Mission Bay Triathlon involving 1000 participants swimming in Mission Bay on 01 Oct 21 from 0600-2230. The race course is located in Ventura Cove. Mariners are advised to exercise due caution while transiting the area. For more details or comments contact Tobias Panek at 858-255-9709.

Chart 18765 LNM: 39/21

SOUTHERN CALIFORNIA-SANTA BARBARA CHANNEL-OCEANOGRAPHIC OPERATIONS

Woods Hole Oceanographic Institution will conduct sea floor operations involving two mobile autonomous liquid robotics wave gliders in Santa Barbara Channel, CA until 01 Nov 21. Operations will be conducted along the following tracklines:
OPAREA 1
34-21-30N 120-24-05W
34-25-40N 120-04-20W
34-15-12N 119-57-17W
OPAREA 2
34-16-21N 120-26-30W
34-07-40N 120-19-13W

SOUTHERN CALIFORNIA-SANTA BARBARA CHANNEL-OCEANOGRAPHIC OPERATIONS

34-10-20N 119-58-05W

Wave gliders travel at 1-2 kts, and will stay on the determined track lines. Mariners are requested to transit the area with caution. For more details or comments contact Anthony Kirincich at 508-237-8934 or 805-967-3388.

Charts: 18721 18725 LNM: 34/21

SOUTHERN CALIFORNIA-VENTURA-GEOPHYSICAL SURVEY

USGS Pacific Coastal and Marine Geology Science Center (PCMSC) is conducting geophysical surveys from Goleta to Ventura, CA from 03-09 Oct 21. Operations will be bounded by the following coordinates:

Goleta focus:
34-23-46N 119-54-31W
34-23-46N 119-48-52W
34-25-22N 119-54-31W
34-25-22N 119-48-52W

Carpinteria focus:
34-22-20N 119-34-13W
34-22-20N 119-28-46W
34-24-50N 119-34-13W
34-24-50N 119-28-46W

Rincon focus:
34-17-07N 119-28-37W
34-17-07N 119-20-18W
34-22-84N 119-28-37W
34-22-84N 119-20-18W

Ventura focus:
34-11-39N 119-20-10W
34-11-39N 119-14-53W
34-17-17N 119-20-10W
34-17-17N 119-14-53W

A bathymetric survey utilizing two personal watercraft will be used to conduct operations and they will be monitoring VHF-FM Chan. 16 and 82a. Mariners are requested to transit the area with caution. For more details or comments contact Tim Elfers at 831-460-7479.

Chart 18725 LNM: 37/21

SOUTHERN CALIFORNIA-WILMINGTON-MARINE CONSTRUCTION

Jilk Heavy Construction Co. will conduct marine construction at the Marine Oil Terminal berths 167-169 in Wilmington, CA at 33-45-20N 118-16-04W until 18 Nov 21. Construction will be from 0600-1630 Monday through Friday. A crane barge along with several work skiffs will be in the area and monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Joe Salgado at 310-505-0142 or George Bojarski at 504-430-0327.

Charts: 18749 18751 LNM: 35/21

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

None

PUBLICATION CORRECTIONS

ANNOUNCEMENT – U.S. Coast Pilot® 7 and U.S. Coast Pilot® 10 - NEW EDITIONS – Spring 2020

U.S Coast Pilot 7 will be divided into two editions in the spring 2020 due to its large size. The following are the projected new editions that will be issued on the same date and ready for free download and weekly updates on
June 9, 2020, at nauticalcharts.noaa.gov/publications/coast-pilot/index.html.

PUBLICATION–National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 7, Pacific Coast:
California 52nd Edition, 2020

PUBLICATION–National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 10, Pacific Coast:
Oregon, Washington, Hawaii and Pacific Islands 1st Edition, 2020

Only Print-on-Demand bound copies are available for purchase; visit
nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot

For any questions or comments; visit
nauticalcharts.noaa.gov/customer-service/assist/

NOAA Office of Coast Survey's Nautical Publications Branch
April 2020

LNM: 18/20

ENCLOSURES

REPORT OF DELAY AT DRAWBRIDGE

Delay_Report_11-2017.pdf
Use link above to Report a Delay at a Drawbridge.

LNM: 06/07

FW Boating Public Notice 2021

FW Boating Public Notice 2021.pdf
See link above.

LNM: 40/21

NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE

BonAirRd_Trestle.pdf
See link above for Bon Air Rd Temporary Trestle Navigation Channel.

LNM: 29/18

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

RVBridge_PlatformCable_Lighting.pdf
RIO VISTA DRAWBRIDGE-See enclosure above for temporary platform location and lighting.

LNM: 22/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

PlatformLighting_GG_Bridge_21Jul21.pdf
GOLDEN GATE BRIDGE-Temporary Platform Location and Lighting revised 21 Jul 21.

LNM: 29/21

NORTHERN CALIFORNIA-DELTA & RIVERS-AMERICAN RIVER-BRIDGE

CA_RT_160_PierScourProtection.pdf
DOWNSTREAM CA ROUTE 160 BRIDGE-See link above for pier rock slope scour protection details.

LNM: 42/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

R-SR_Bridge_Temp_Platform_Lighting.pdf
RICHMOND-SAN RAFAEL BRIDGE- See link above for temporary underdeck platform lighting.

LNM: 15/21

SOUTHERN CALIFORNIA- DANA POINT TO POINT ARGUELLO - VOLUNTARY SPEED REDUCTION

VSRMap2021_SC.pdf
See link above.

LNM: 15/21

NORTHERN CALIFORNIA-SAN FRANCISCO APPROACH-SPEED REDUCTION

VSRMap2021_SF.pdf.pdf
see link above.

LNM: 15/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

Rich-SR_Bridge_TemporaryPlatform.pdf
RICHMOND/SAN RAFAEL BRIDGE-See link above for temporary platform lighting and location in east and west navigation spans.

LNM: 22/21

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-OAKLAND INNER HARBOR-BRIDGE

MillerSweeney_barge_locations.pdf
MILLER SWEENEY (FRUITVALE AVE) BRIDGE-See link above for barge location.

LNM: 22/21

VESSEL CYBERSECURITY ALERT-LOS ANGELES-LONG BEACH

Vessel Cybersecurity Alert.pdf
See enclosure link above.

LNM: 07/21

NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE

TempPlatform_CorteMaderaCreek.pdf
U.S. 101 HIGHWAY BRIDGE-See link above for temporary platform location and lighting.

LNM: 18/21

NORTHERN CALIFORNIA-SAN FRANCISCO-MARINE SAFETY INFORMATION BULLETIN

Sector San Francisco COPT SMIB.pdf
See link above.

LNM: 29/21

NORTHERN CALIFORNIA-DELTA & RIVERS-SAN JOAQUIN RIVER-BRIDGE

Temporary_Bridge_Falsework_Lighting.pdf
CROWS LANDING REPLACEMENT-See link above for temporary falsework, temporary bridge, the temporary navigation channel during construction with navigation lighting plan.

LNM: 35/21

NORTHERN CALIFORNIA-EUREKA-CABLE INSTALLATION

EUREKA-CABLE INSTALLATION.pdf
see link above.

LNM: 37/21

NORTHERN CALIFORNIA-DELTA & RIVERS-NAPA RIVER-BRIDGE

MareIslandBridge_Temp_Lighting.pdf
MARE ISLAND DRAWBRIDGE UNDERDECK PIPELINE REHABILITATION-See link above for temporary platform and lighting.

LNM: 39/21

OFFSHORE CALIFORNIA- NOTICE OF PACIFIC COAST PORT ACCESS ROUTE STUDY (PAC-PARS)

PORT ACCESS ROUTE STUDY.pdf
see link above.

LNM: 34/21

SOUTHERN CALIFORNIA-PORTS OF LOS ANGELES/LONG BEACH-LA/LB HARBOR-BRIDGE

V_Thomas_Platform_Lighting1.pdf
See link above for platform lighting for Vincent Thomas Bridge.

LNM: 28/19

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

GEORGE.WILLIAM.JUSTIN.1285102371

Digitally signed by GEORGE.WILLIAM.JUSTIN.1285102371
Date: 2021.10.06 12:19:28 -07'00'

W. J. George, CDR
U.S. Coast Guard
Chief Waterways Management Branch

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 _____
13. 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 return to:

Commander (dpw) Fax: (510) 437-5836 Email: Carl.T.Hausner@uscg.mil
Eleventh Coast Guard District
Coast Guard Island, Building 50-2
Alameda, CA 94501-5100
Attn: Bridge Office

Questions? Please contact: Carl Hausner, Bridge Administrator, Eleventh Coast Guard District
Office: (510) 437-3516
Cell: (510) 219-4366

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

FLEET WEEK 2021
BOATING PUBLIC NOTICE

This year's on-water Fleet Week activities will be held October 7th through October 10th. To ensure the safety of participants and spectators on San Francisco Bay, the U.S. Coast Guard has enacted regulated areas, published in the Federal Register and advertised by Local and Broadcast Notice to Mariners. Coast Guard, Coast Guard Auxiliary and law enforcement vessels will be patrolling the regulated areas to ensure all Fleet Week events are conducted safely.

ACTIVITIES AREA CLOSURES

NAVY PARADE OF SHIPS

Regulated area "Alpha," which is depicted on "Chart 1," will be enforced on Friday, October 8th between 9:30 a.m. and 12:00 p.m. Traffic will be restricted throughout most of the Central San Francisco Bay from the Golden Gate Bridge, south of Alcatraz, to just south of the San Francisco-Oakland Bay Bridge. This is to accommodate the Navy Parade of Ships as they pass under the Golden Gate Bridge to their assigned moorings in San Francisco. No vessel will be permitted to cross the parade line or interfere with the safe transit of the parade participants in any way. A 100 yard protective zone will also be enforced around each naval vessel the entire time they are in the port.

BLUE ANGELS DEMONSTRATION

Regulated area "Bravo." which is depicted on "Chart 2." will be enforced during the dates and times as noted on "Chart 2." The enclosure to this flyer depicts the boundaries and coordinates of the most significant regulated areas. Federal Aviation Administration regulations require that these areas be clear of all vessel traffic during the specified times in order for scheduled air shows.

WATCHING THE SHOWS

The best areas to observe the air shows and the Parade of Ships are:

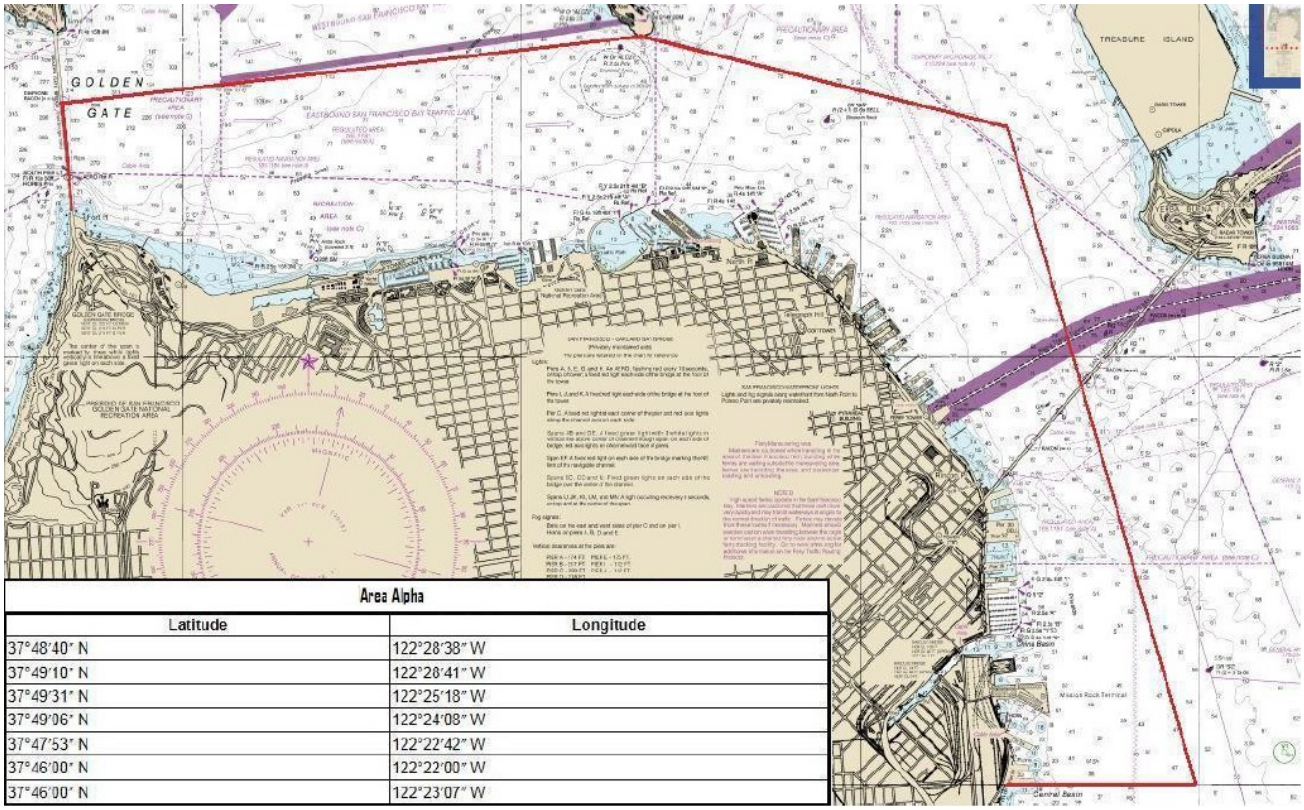
- North of the "Alpha" box for the parade and North of the "Bravo" box for the air show
- East of Blossom Rock Buoy
- From the shore

For schedules and additional information on Fleet Week 2021
Please contact the San Francisco Fleet Week Association at info@fleetweeksf.org , or visit www.airshownetwork.com

FLEET WEEK 2021

Chart 1
Regulated Area "Alpha" for Navy Parade of Ships

Friday, October 8th 9:30 a.m. to 12:00 p.m.



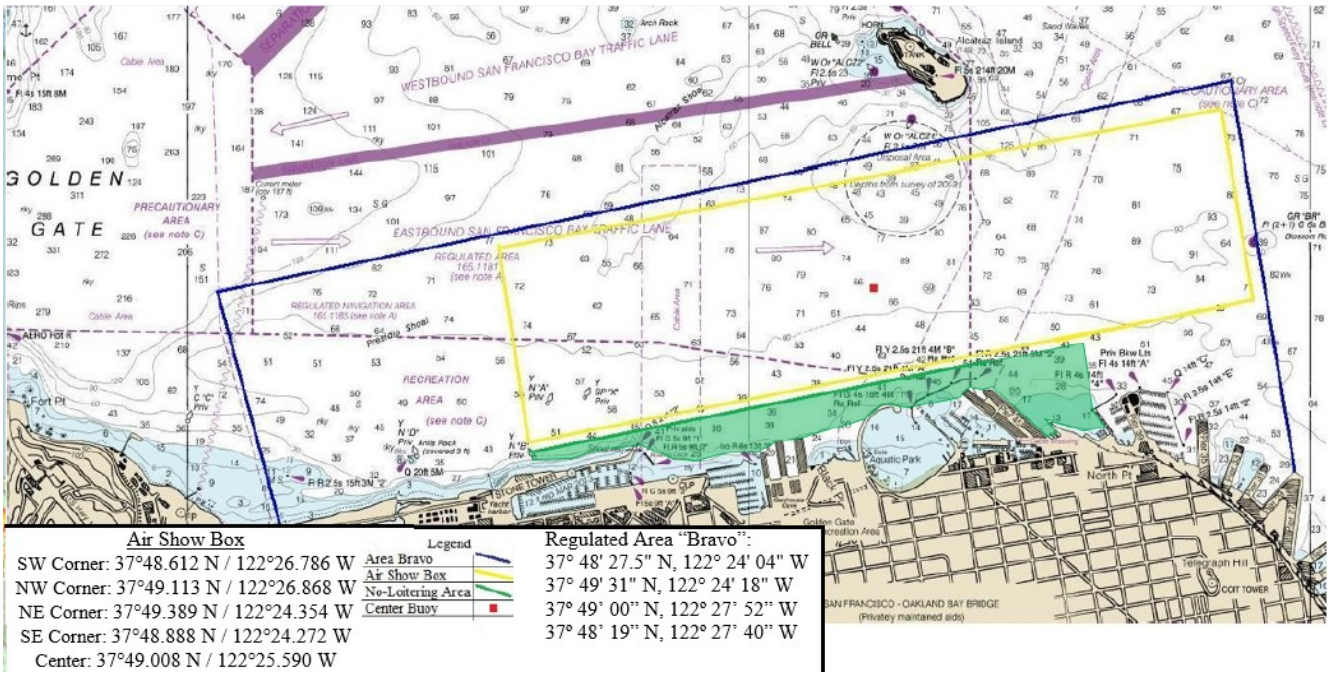
Area Alpha	
Latitude	Longitude
37°48'40" N	122°28'38" W
37°49'10" N	122°28'41" W
37°49'31" N	122°25'18" W
37°49'06" N	122°24'08" W
37°47'53" N	122°22'42" W
37°46'00" N	122°22'00" W
37°46'00" N	122°23'07" W

FLEET WEEK 2021

Chart 2

Regulated Area "Bravo" for U.S. Navy Blue Angels Activities

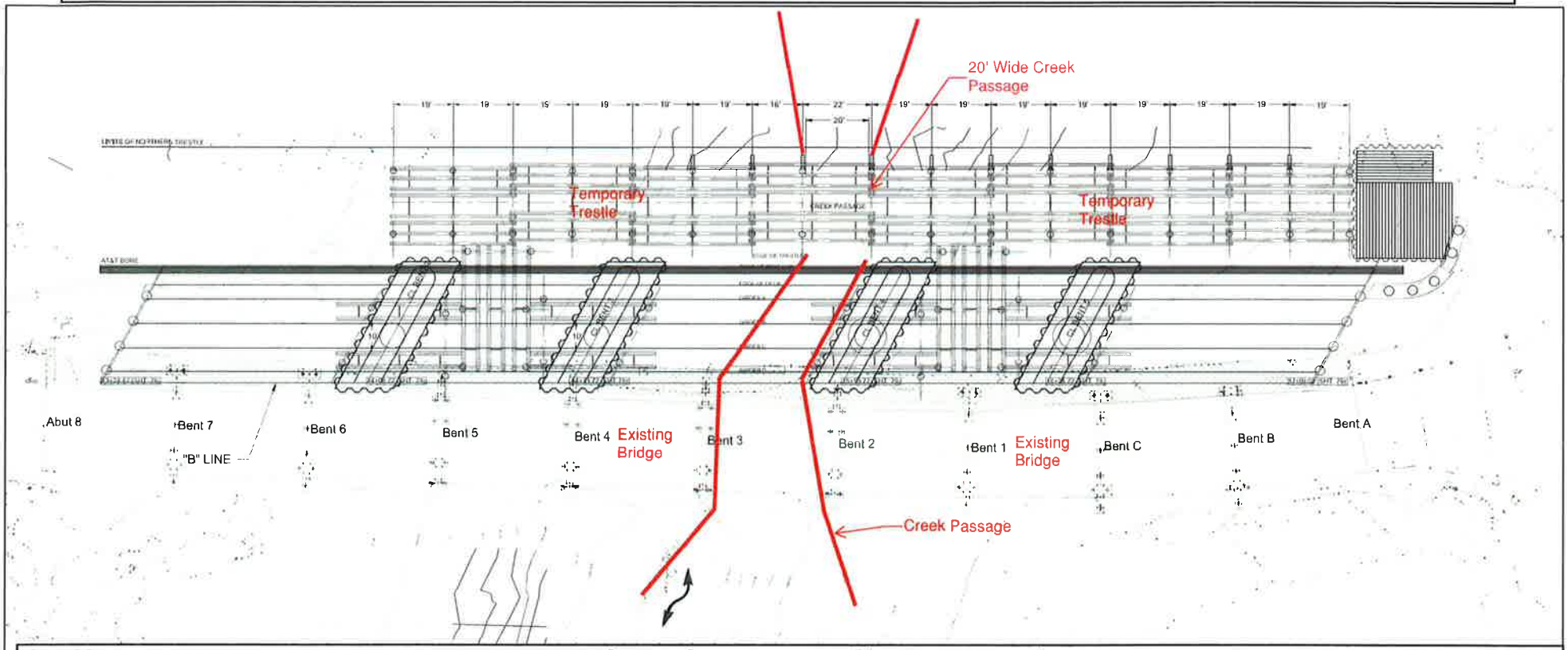
Thursday, October 7th	12:30 p.m. to 6:00 p.m.
Friday, October 8th	11:30a.m. to 5:00 p.m.
Saturday, October 9th	11:30 a.m. to 5:00 p.m.
Sunday, October 10th	11:30 a.m. to 5:00 p.m.



Temporary buoys for the Air Show Box will be installed by 04 Oct 21 and will be removed on 13 Oct 21. The buoys at the Center and Northwest corner point will be partially obstructing the East bound traffic lane and the buoys at the Northeast and Southeast corner will be partially encroaching upon the precautionary area east of Alcatraz Island. The locations of the temporary buoys are listed below:

Air Show Box
SW Corner: 37°48.612 N / 122°26.786 W
NW Corner: 37°49.113 N / 122°26.868 W
NE Corner: 37°49.389 N / 122°24.354 W
SE Corner: 37°48.888 N / 122°24.272 W
Center: 37°49.008 N / 122°25.590 W

Bon Air Rd Bridge Replacement Project
Mile 2.2, Corte Madera Creek

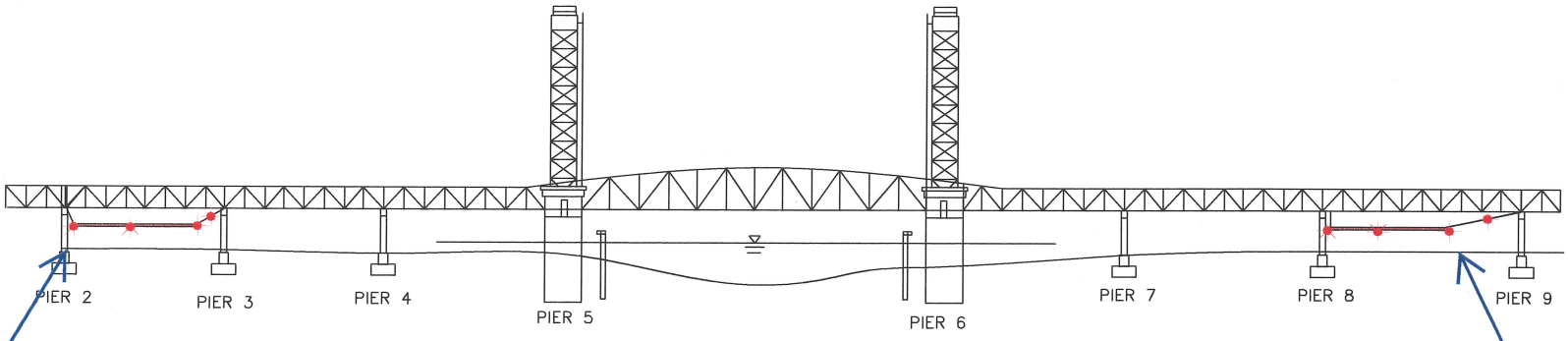


Cofferdams and a temporary trestle will be installed to facilitate construction of the replacement bridge. The temporary trestle will provide a center creek navigation channel with at least 20 feet of horizontal clearance and 3 feet of vertical clearance, from mean high water to the lowest hittable portion of the trestle, for waterway users. Mariners are urged to use extreme caution when transiting the construction site.

Temporary Underdeck Platform Lighting

Rio Vista Bridge

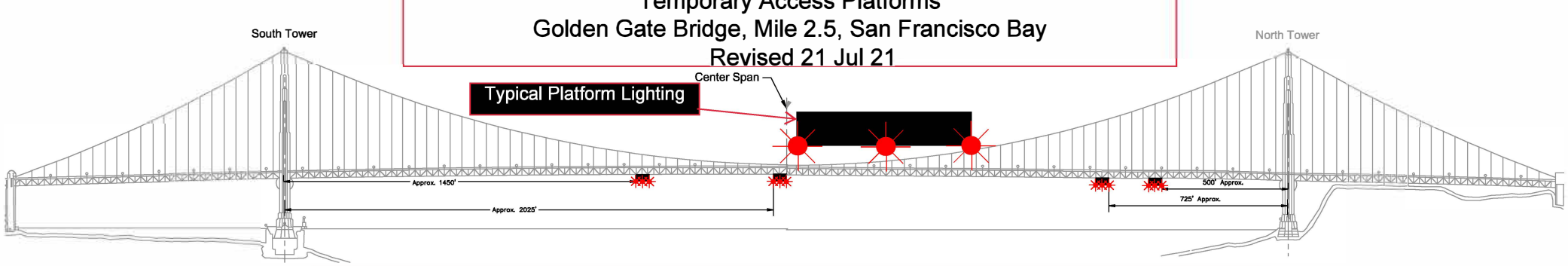
Mile 12.8, Sacramento River



Two temporary platforms, and associated support cables, are installed beneath low steel of the bridge in span 2 and 8 and reduces vertical clearance in those spans by no more than 4 feet. The lower 4 corners and midpoint of each platform will be lighted at night with steady burning red lights, visible at 2,000 yards from approaching vessels. The support cable will be lighted with red lights every 50 feet. Mariners are requested to use alternate or main span of the bridge while these temporary platforms are in place.

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans
BORDER LAST REVISED 7/27/2010
USERNAME => $USER
DGN FILE => $REQUEST
RELATIVE BORDER SCALE IS IN INCHES
UNIT
PROJECT NUMBER & PHASE
LAST REVISED
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

Temporary Access Platforms
Golden Gate Bridge, Mile 2.5, San Francisco Bay
Revised 21 Jul 21



Four 54 ft wide temporary platforms are installed in the main span below low steel of the bridge, two south of the north tower and two north of the south tower, reducing vertical clearance by no more than 14 feet. The upstream and downstream lower edges of the temporary platform will be lighted at night with steady burning red lights visible at 2,000 yards by approaching vessels.

Pier Scour Replacement
Downstream CA Route 160 Bridge, mile 2.0, American River

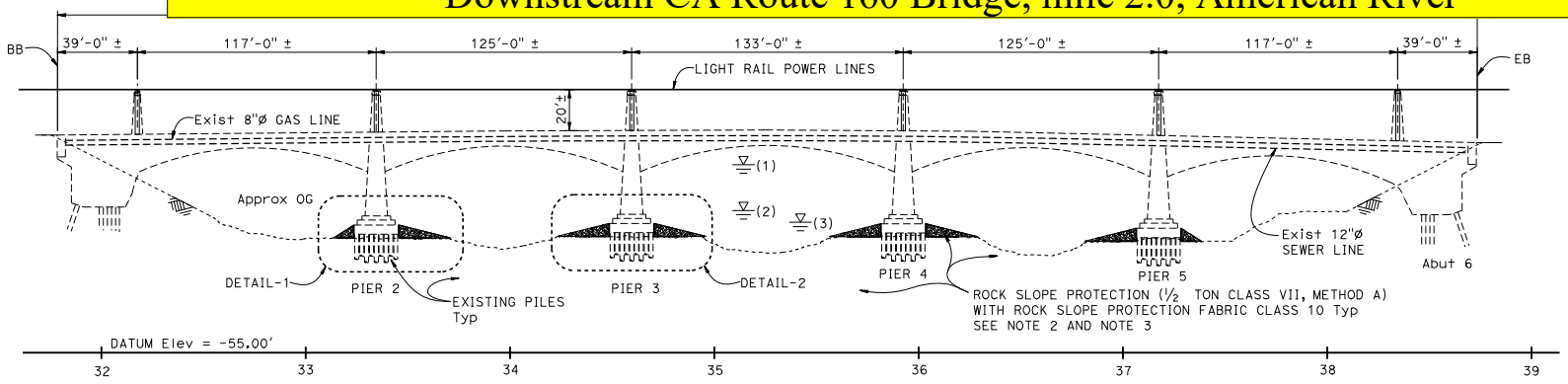
POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
4.5/5.7, R44.5	174	175

6-15-19 DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID A. ROMERO — No. 61240 — Exp. 06-30-19 — CIVIL — STATE OF CALIFORNIA

6-17-19
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



ELEVATION
1" = 30'

LEGEND:

(1) High water mark during A 100 year Storm 37.0' ±

(2) High water mark during Construction window July 15th through October 15th = 14.66' ±

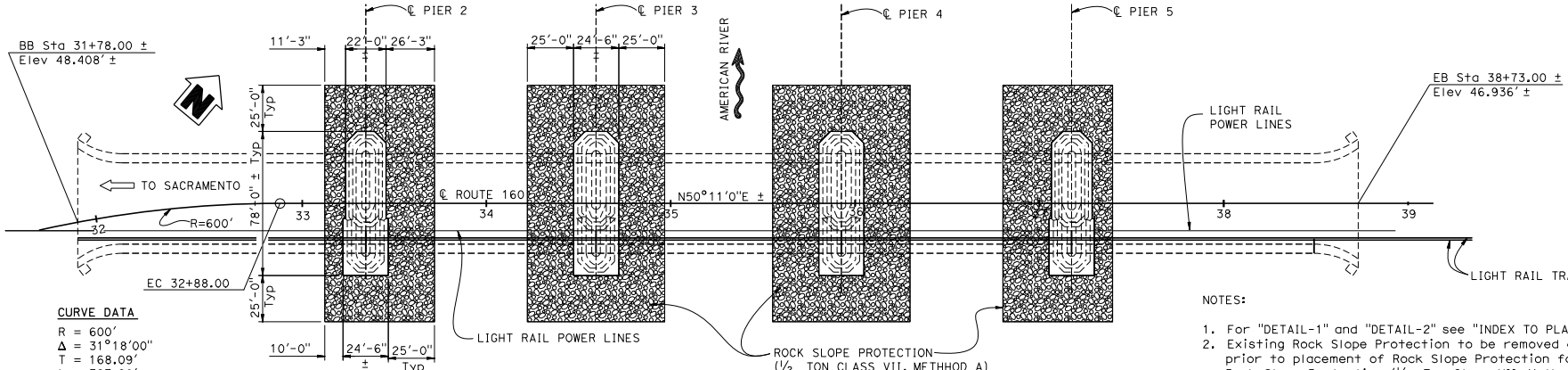
(3) Low water mark during Construction window July 15th through October 15th = 8.86' ±

----- Existing Structure

Half Ton Rock Slope Protection (½ Ton Class VII, Method A)

QUANTITIES

REMOVE ROCK SLOPE PROTECTION	LUMP	SUM
ROCK SLOPE PROTECTION (½ TON, CLASS VII, METHOD A) (CY)	4,000	CY
ROCK SLOPE PROTECTION FABRIC (CLASS 10)	2,468	SQYD



CURVE DATA
R = 600'
Δ = 31°18'00"
T = 168.09'
L = 327.80'

PLAN
1" = 30'

NOTES:

1. For "DETAIL-1" and "DETAIL-2" see "INDEX TO PLANS " sheet
2. Existing Rock Slope Protection to be removed at all existing Piers prior to placement of Rock Slope Protection fabric Class 10 with, Rock Slope Protection (½ Ton Class VII, Method A)
3. For Existing Rock Slope Protecting removal, see "EXISTING ROCK SLOPE PROTECTION REMOVAL" detail on "INDEX TO PLANS" sheet

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD

Mariners should use the center of each navigation channel of the bridge to avoid the rock slope scour protection.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	99, 160	4.5/5.7, R44.5	175	175

REGISTERED CIVIL ENGINEER — 6-15-19 DATE

6-17-19
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID A. ROMERO — No. 61240 — Exp. 06-30-19 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

INDEX TO PLANS

SHEET NO.	TITLES
1	GENERAL PLAN
2	INDEX TO PLANS

CRITERIA

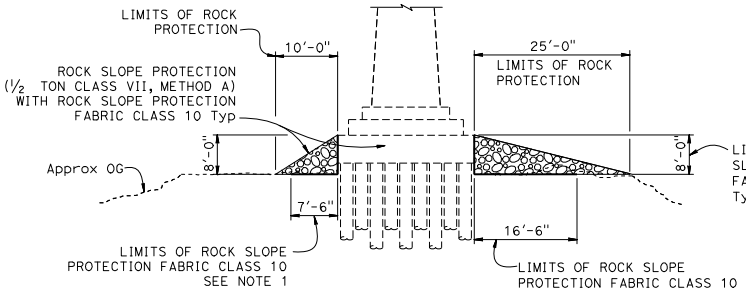
Design Based upon Final Hydraulics Report, Dated Nov 29, 2018

LEGEND:

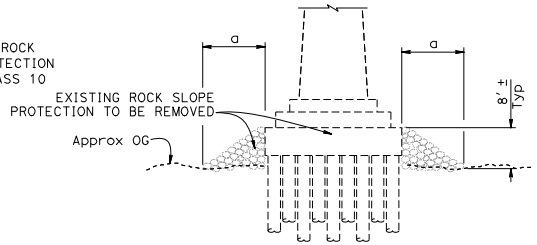
------ Existing Structure

Existing Rock Slope Protection to be removed

Rock Slope Protection (½ Ton Class VII, Method A)



DETAIL - 1
1" = 10'
ROCK SLOPE PROTECTION
(AT PIER 2, PIER 5 OPPOSITE)



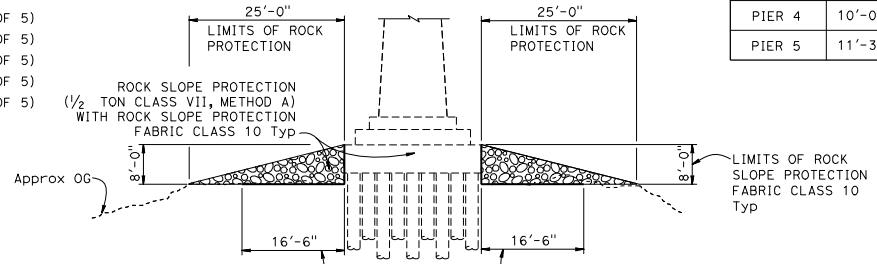
SECTION A-A
1" = 10'
Exist ROCK SLOPE PROTECTION
(TO BE REMOVED AT Exist PIERS)

NOTES:

1. Place Rock Slope Protection Fabric Class 10 to the top of Existing footing
2. For location of "DETAIL-1" and "DETAIL-2" see "GENERAL PLAN" sheet

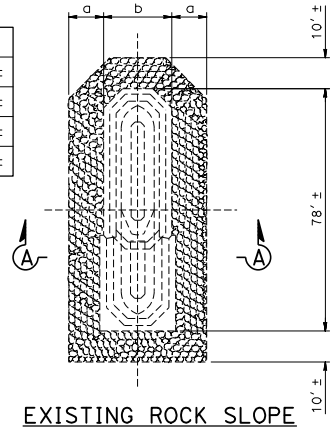
STANDARD PLANS 2018

A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND - LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND - LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND - LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND - LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND - LINES AND SYMBOLS (SHEET 5 OF 5)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A10H	LEGEND - ROCK



DETAIL - 2
1" = 10'
ROCK SLOPE PROTECTION
(AT PIER 3 & 4)

LOCATION	a	b
PIER 2	11'-3"±	22'-0"±
PIER 3	10'-0"±	24'-6"±
PIER 4	10'-0"±	24'-6"±
PIER 5	11'-3"±	22'-0"±



EXISTING ROCK SLOPE PROTECTION REMOVAL
1" = 20'
Exist ROCK SLOPE
(TO BE REMOVED AT Exist PIERS)

DESIGN	BY David Romero	CHECKED Randy Bains	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 13	BRIDGE No. 24-0001L POST MILE 44.47
DETAILS	BY Min Yu	CHECKED Randy Bains			
QUANTITIES	BY David Romero	CHECKED Randy Bains			

SCOUR MITIGATION AMERICAN RIVER BRIDGE
INDEX TO PLANS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 5/8/2018)

DATE PLOTTED => 11-OCT-2019 TIME PLOTTED => 11:28
FILE => 24-0001I-a-ltp.dgn USERNAME => e148585
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

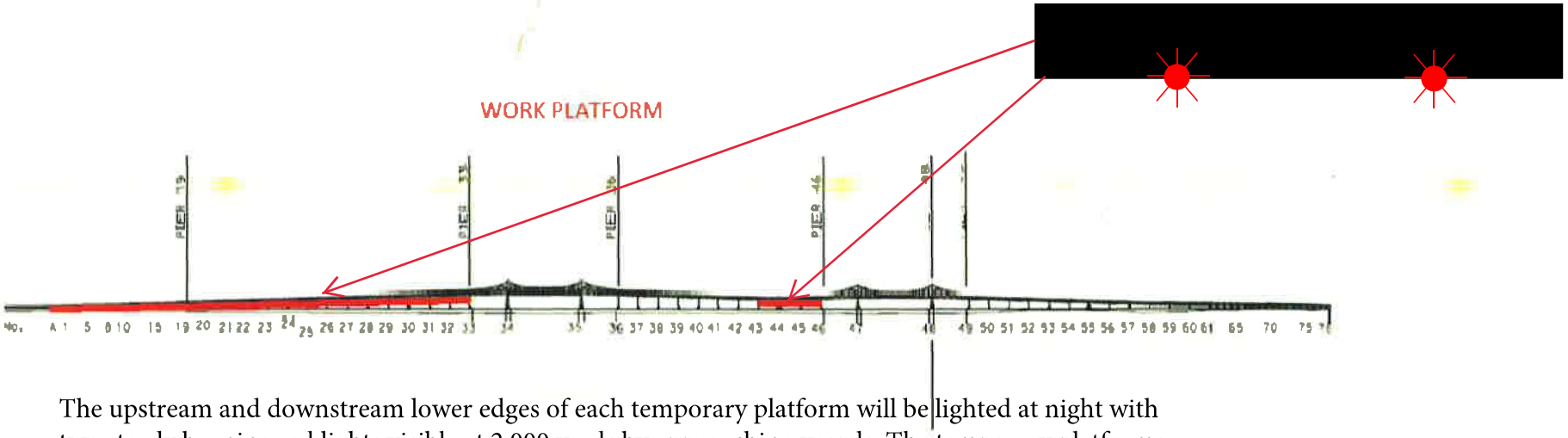
UNIT: 3586
PROJECT NUMBER & PHASE: 0313000136,1 CONTRACT No.: 03-3F5404

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES			SHEET	OF
11-28-19	04-16-19	04-29-19	2	2

RICHMOND/SAN RAFAEL BRIDGE PAINTING PROJECT
MILE 13.0, SAN FRANCISCO BAY

TYPICAL PLATFORM LIGHTING



The upstream and downstream lower edges of each temporary platform will be lighted at night with two steady burning red lights visible at 2,000 yards by approaching vessels. The temporary platforms reduce vertical clearance in each span by 3ft.

VOLUNTARY VESSEL SPEED REDUCTION ZONE
TO REDUCE IMPACT OF SHIP STRIKES ON WHALES

NOAA strongly recommends that vessels 300 gross registered tons or larger transit the Vessel Speed Reduction Zone at 10 knots or less from **May 15 – November 15, 2021.** These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq.).

The southern California Voluntary Vessel Speed Reduction Zone extends from approximately Dana Point to Pt. Arguello as depicted below and vessels are requested to transit at 10 knots or less anywhere in this zone. Vessels already transiting south of the northern Channel Islands are also encouraged to transit outside of the Voluntary Extended Area To Be Avoided * to reduce the overlap of ships and endangered whales. Every effort should be made to comply with any instruction received from the Navy when transiting south of the Channel Islands.

34° 34.43' N
121° 01.796' W

Pt. Arguello

Pt. Conception

Santa Barbara

34° 26.01' N
121° 01.796' W

Northern TSS

Pt. Dume

33° 49.411' N
121° 01.796' W

VOLUNTARY VESSEL SPEED REDUCTION ZONE
10 KNOTS OR LESS

Southern TSS

Dana Pt.

33° 18.066' N
121° 01.796' W

33° 18.066' N
117° 29.988' W

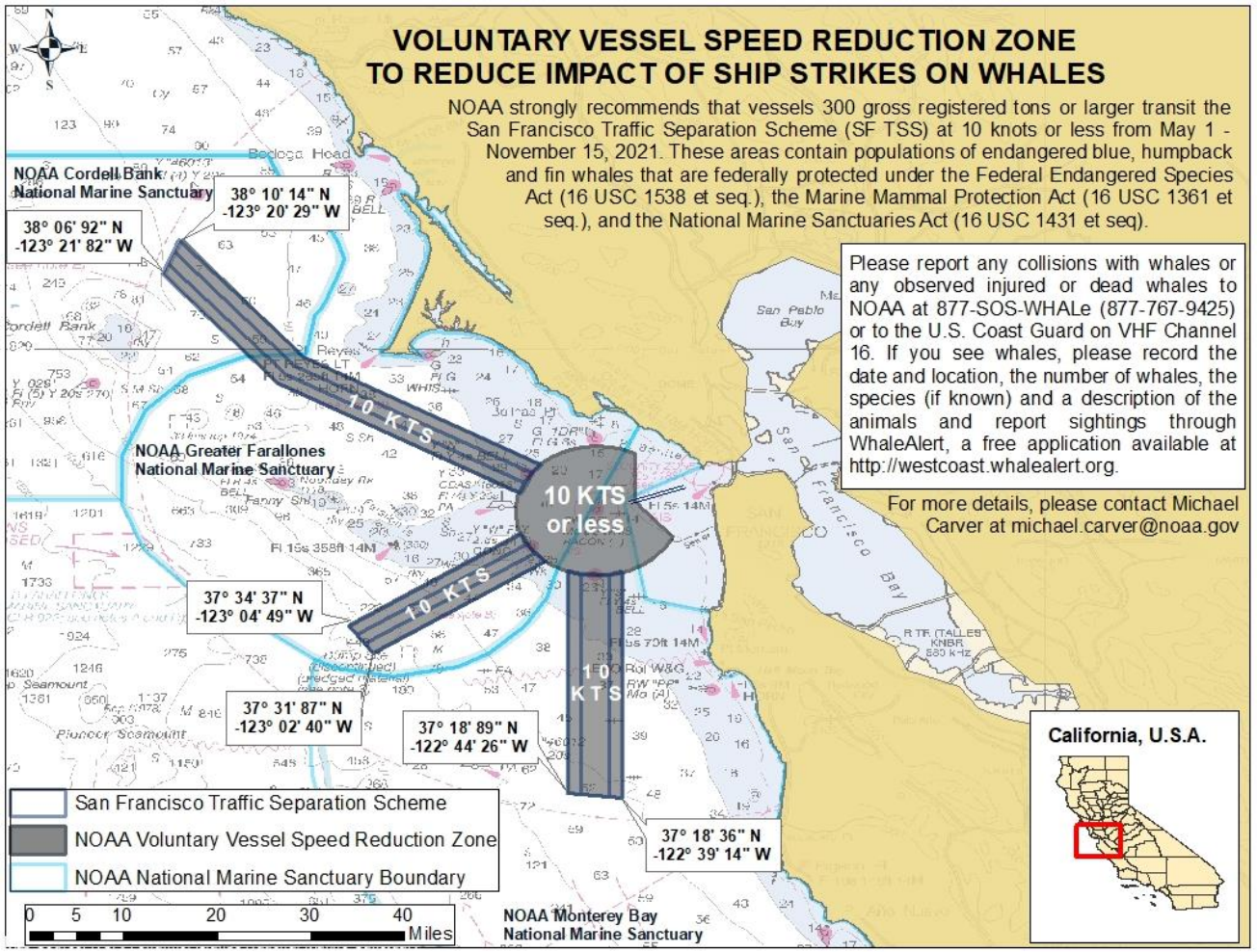
Please report any collisions with whales or any observed injured or dead whales to NOAA at 877-SOS-WHALe (877-767-9425) or to the U.S. Coast Guard on VHF Channel 16. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals and report sightings through WhaleAlert, a free application available at http://westcoast.whalealert.org.

For more details, please contact Sean Hastings at sean.hastings@noaa.gov or (805) 893-6424.

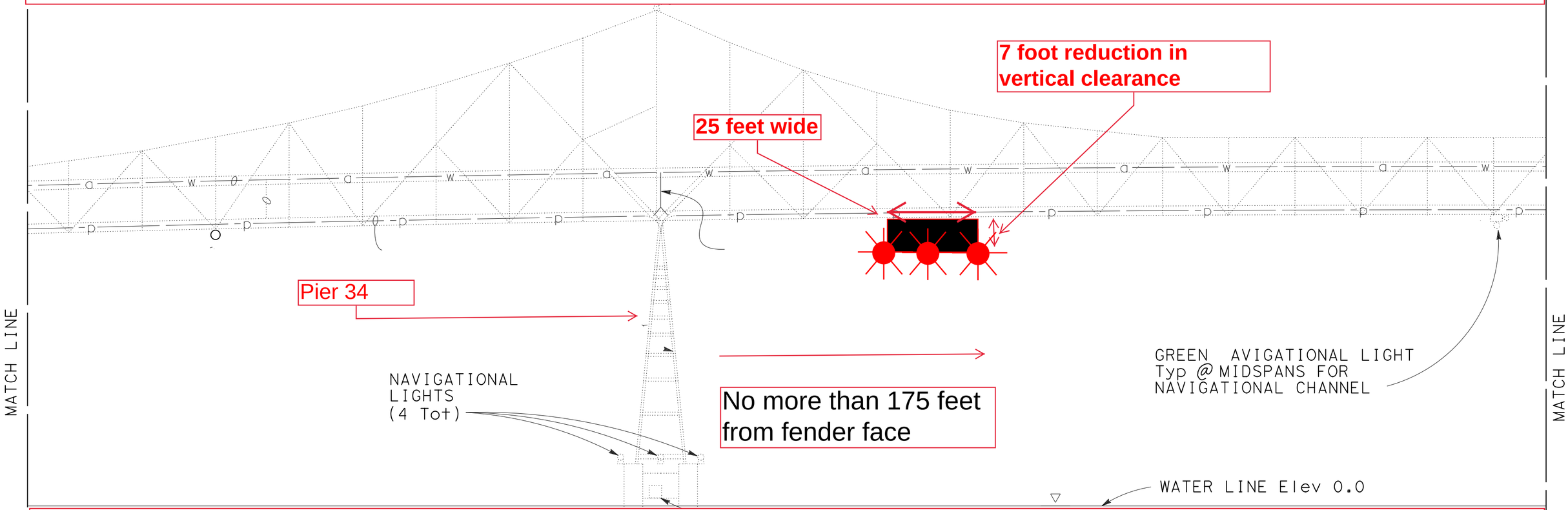
0 15 30 60 90 120 Miles

- NOAA Voluntary Vessel Speed Reduction Zone
- Voluntary Extended Area To Be Avoided (ATBA)
- Existing Areas To Be Avoided (ATBA)
- NOAA Channel Islands National Marine Sanctuary
- Traffic Separation Scheme (TSS)

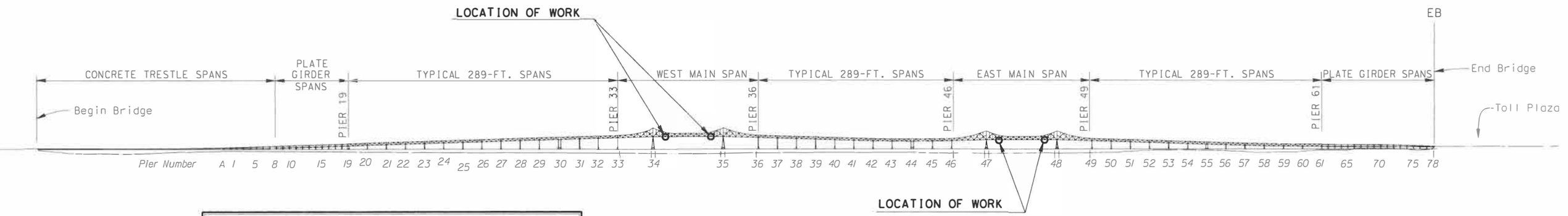
***NOTE:** Mariners transiting through the western and northern approach to and from the Port Of Los Angeles and Long Beach (LA/LB) are advised the established TSS through the Santa Barbara Channel as shown on NOAA and Admiralty charts is the only International Maritime Organization (IMO) approved routing measure in this area and the Navy advises that continuous hazardous operations may take place at any time on the U.S. Point Mugu Sea Range.


VOLUNTARY VESSEL SPEED REDUCTION ZONE
TO REDUCE IMPACT OF SHIP STRIKES ON WHALES
NOAA strongly recommends that vessels 300 gross registered tons or larger transit the San Francisco Traffic Separation Scheme (SF TSS) at 10 knots or less from May 1 - November 15, 2021. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq).
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. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals and report sightings through WhaleAlert, a free application available at http://westcoast.whalealert.org.
For more details, please contact Michael Carver at michael.carver@noaa.gov
NOAA Cordell Bank National Marine Sanctuary
38° 10' 14" N
-123° 20' 29" W
38° 06' 92" N
-123° 21' 82" W
10 KTS
NOAA Greater Farallones National Marine Sanctuary
10 KTS or less
10 KTS
37° 34' 37" N
-123° 04' 49" W
10 KTS
37° 31' 87" N
-123° 02' 40" W
37° 18' 89" N
-122° 44' 26" W
37° 18' 36" N
-122° 39' 14" W
San Francisco Traffic Separation Scheme
NOAA Voluntary Vessel Speed Reduction Zone
NOAA National Marine Sanctuary Boundary
0 5 10 20 30 40 Miles
NOAA Monterey Bay National Marine Sanctuary
California, U.S.A.

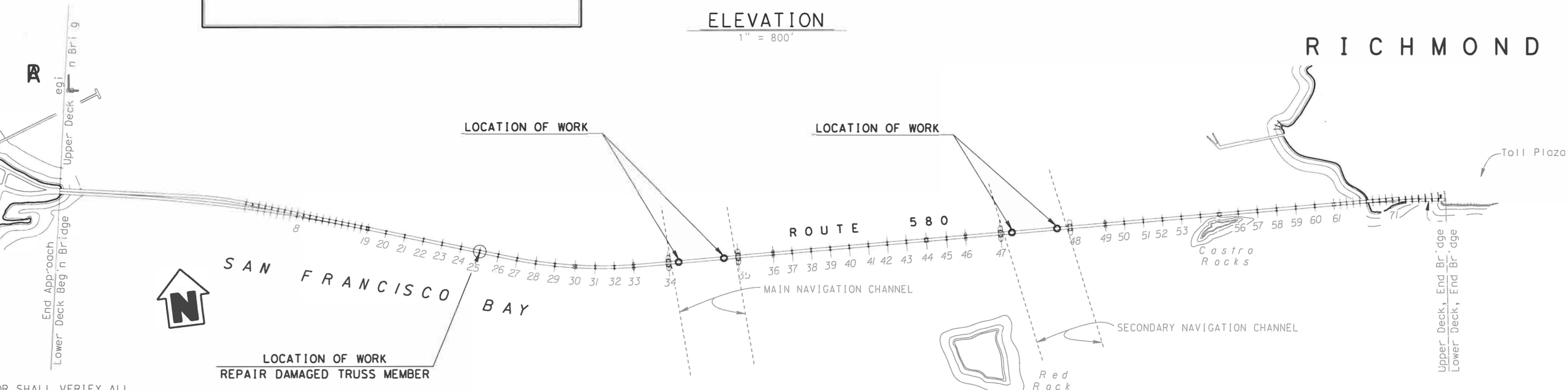
Typical Temporary Platform Location and Lighting
Richmond-San Rafael Bridge, Mile 13.0, San Francisco Bay



Four temporary platforms will be installed in the East and West navigation spans. The channel-ward edges of the platforms will be no more than 175 feet from the fender face at piers 34, 35, 47 and 48. The temporary platforms will reduce vertical clearance by no more than 7 feet. The east span will have 620 feet and the west span will have 650 feet of horizontal clearance for navigation. The upstream and downstream lower edges of the temporary platform will be lighted at night with fixed red lights visible at 2,000 yards by approaching vessels.



ELEVATION
1" = 800'



OR SHALL VERIFY ALL

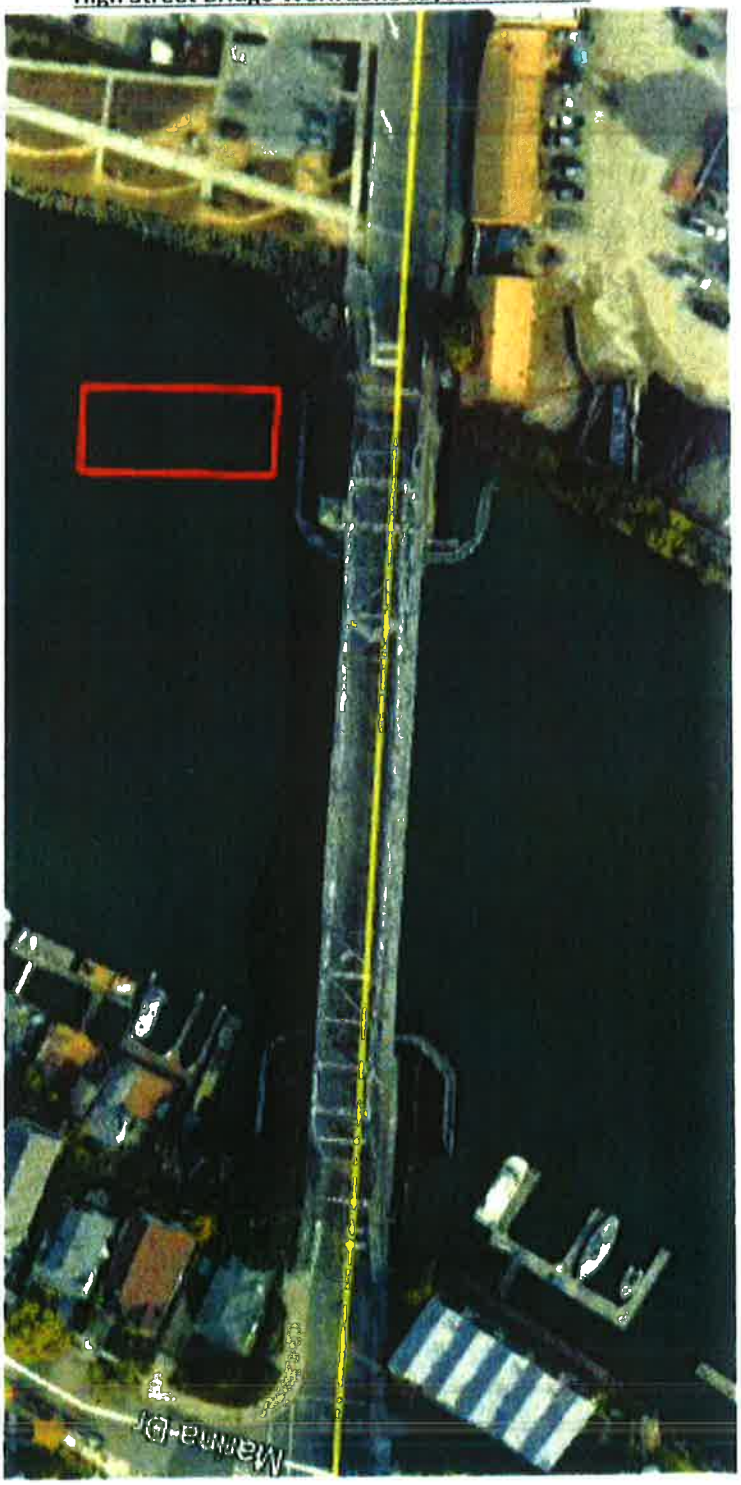
Map of Miller Sweeney Work Area & High Street Bridge Work Area

ENCLOSURE (1a)

Miller Sweeney Work Zones 50'x150' (Each) & Spud Down Layout 100' x 150'

ENCLOSURE (16)

High Street Bridge Work Zone Layout 50' x 150'



ENCLOSURE (1c)

Marine Safety Information Bulletin
Sector Los Angeles – Long Beach

Commander
U.S. Coast Guard Sector
Los Angeles – Long Beach
1001 S. Seaside Avenue Bldg. 20
San Pedro, CA 90731-0208

MSIB Number: 01-21
Date: January 22, 2021

VESSEL CYBERSECURITY ALERT

The Los Angeles-Long Beach maritime community should be on high alert for phishing emails from malicious actors impersonating USCG email addresses, specifically emails containing COVID-19 screening forms for vessels entering port.

Sector Los Angeles – Long Beach responded to a report of a container vessel that received a suspicious email appearing to originate from a legitimate USCG Port State Control (PSC) Officer. The e-mail contained several links as well as an attachment. The recipient was encouraged to open the attachment or click on the links prior to authorization to enter the port. The vessel's master contacted the USCG to verify the validity of the e-mail. The email was not authentic and did not originate from the Coast Guard.

From: [redacted]@cosmonova.net>
To: master@[redacted].com
Cc:
Subject: Fwd:INITIAL REQUEST - M/V [redacted] / EMABARKATION OF CREW OR PASSENGER WITH COUNTRY OF INTEREST NATIONALITY
Message | 16911 LOGISTICS RATE CON.doc (166 KB)

Thank you for your business! Please see attached!

Thank You,

Sector LA-LB Port State Control responded to the incident using their Vessel Cyber Incident Protocol and verified the safety, security, and operational functionality of the vessel's critical systems. Based on numerous recent maritime phishing attempts, the malicious actors prefer to target vessels using spoofed USCG Port State Control e-mails. Several important details in the email include:

- The sender of the e-mail was partially spoofed, and appeared to come from a Coast Guard Port State Control Officer. The sender's e-mail address did not end in "@uscg.mil." (ha[redacted]a@cosmonova.net). Email correspondence from the Coast Guard will end in "@uscg.mil."

- Based on the sophistication of the e-mail, the malicious actor may have some knowledge of the Maritime Transportation System (MTS) and/or may have reviewed a previous legitimate e-mail from the USCG. It cannot be ruled out that the malicious actor may have compromised an e-mail account of a previous recipient of a legitimate USCG PSC e-mail.

- The contents of the e-mail may have been copied from a previous legitimate e-mail.

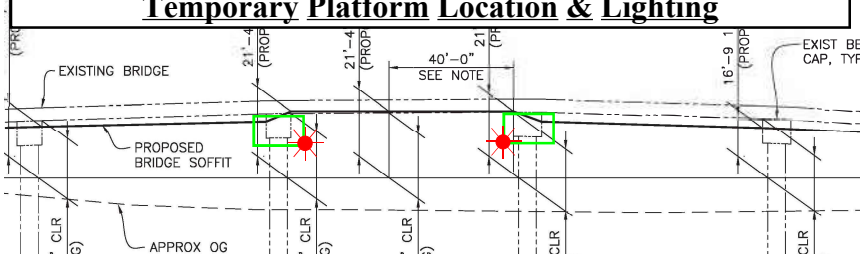
- The statement, "Until your response is received by this office, the M/V [redacted], is not clear to enter the port" which compels the recipient to click a link or open the attachment.

Vessel operators are encouraged to contact USCG via a confirmed legitimate phone number if they question the validity of a USCG Port State Control e-mail. The Coast Guard urges maritime stakeholders to verify the validity of the email sender prior to responding to or opening any unsolicited email messages.

As always, any potential threat to the cybersecurity of your vessel or facility should be taken seriously, and Breaches of Security or Suspicious Activities resulting from cyber incidents shall be reported to the National Response Center (NRC) at **1-800-424-8802**. For additional guidance on reporting cyber incidents refer to CG-5P Policy Letter 08-16, "*Reporting Suspicious Activity and Breaches of Security."* For further information on spoofing, refer to USCG MSIB: 19-20 "MALICIOUS EMAIL SPOOFING INCIDENTS."

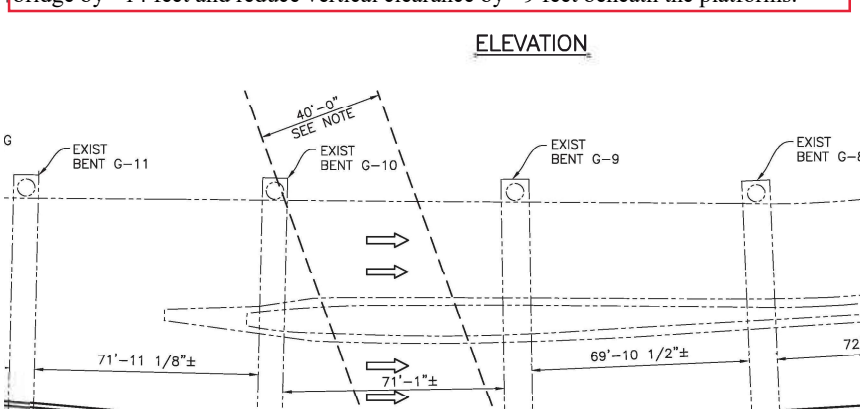
Pedestrian Bridge Add-On
U.S. 101 Bridge, mile 0.6, Corte Madera Creek

Temporary Platform Location & Lighting



The temporary platforms reduce horizontal clearance in main navigation span of the bridge by ~14 feet and reduce vertical clearance by ~9 feet beneath the platforms.

ELEVATION



The upstream and downstream lower outboard corners of the temporary platforms in the navigation are lighted at night with fixed red lights, visible at 2,000 yards from approaching vessels.

MARINE SAFETY/SECURITY INFORMATION BULLETIN (MSIB) 21-02

July 16, 2021

Coast Guard Sector San Francisco
Department of Homeland Security

Ballast Water Management Exemption for Discharging Ballast Water in a Single Caption of the Port Zone

This MSIB serves as a reminder that vessels operating within the Sector San Francisco Captain of the Port (COTP) Zone are required to use their ballast water management systems in accordance with the Code of Federal Regulations (CFR), Part 33, Subpart D Ballast Water Management for Control of Nonindigenous Species in Waters of the United States.

33 CFR 151.2015 paragraph (d)(3) allows for the following vessels to be exempt from the ballast water management requirements in 33 CFR 151.2025:

> Vessels that operate in more than a single COTP Zone and take on and discharge ballast water exclusively in a single COTP Zone.

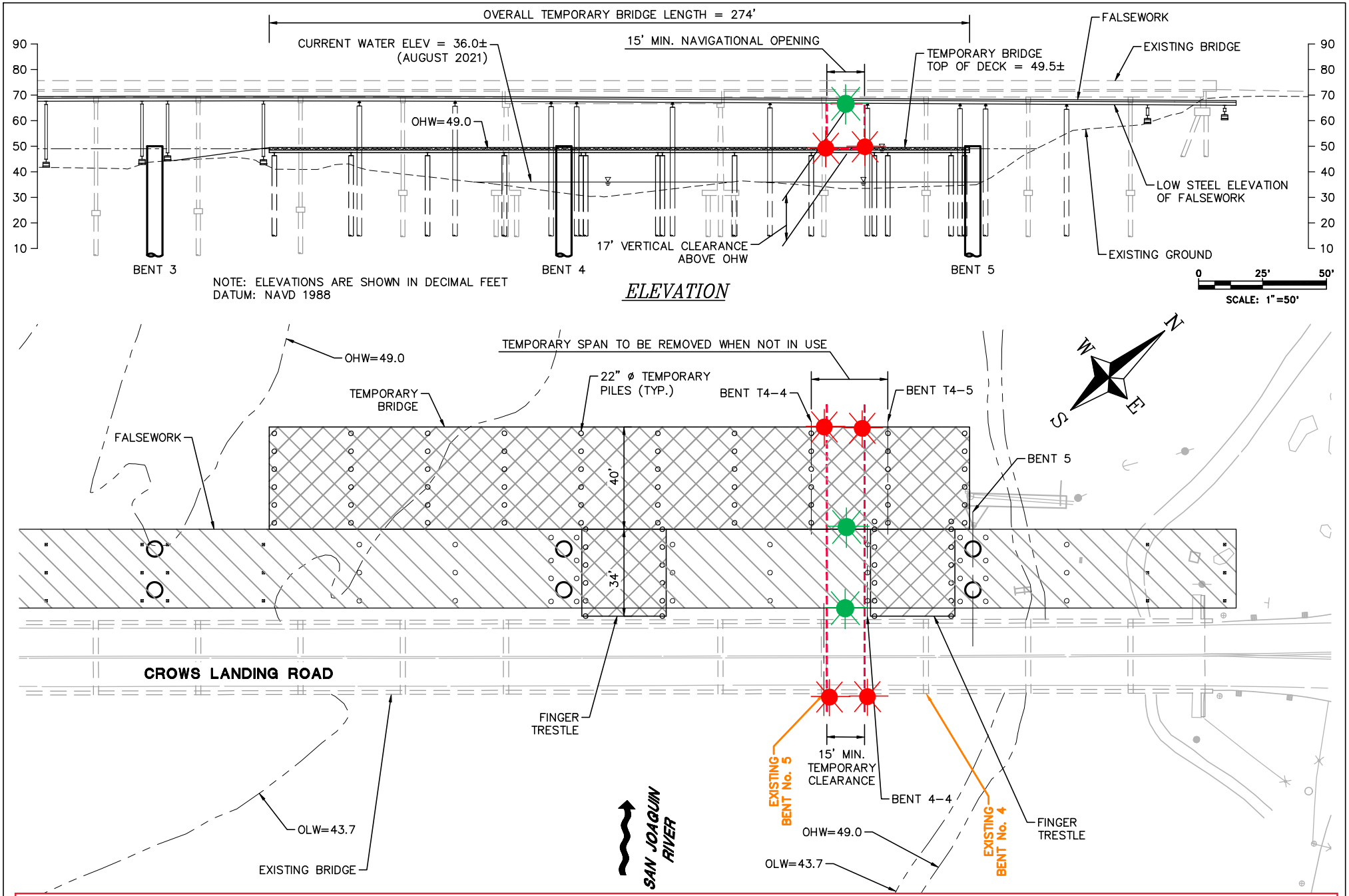
The above exemption is allowed as it is unlikely that vessels exclusively taking on and discharging ballast water within one COTP Zone would introduce invasive species (from outside of that COTP Zone) into the waters of that COTP Zone.

Vessels must use a ballast water treatment system or conduct ballast water operations outside of the Sector San Francisco COTP Zone unless the vessel exclusively takes on and discharges ballast water within Sector San Francisco's COTP Zone. If a vessel takes on ballast water at any time outside of the San Francisco COTP Zone, then the vessel is no longer eligible for this exemption until it has cleaned the vessel's ballast water system, including removal of all residual sediments.

For additional information regarding this bulletin, please contact the U.S. Coast Guard Sector San Francisco Investigations Division at SectorSF.Investigations@uscg.mil or (510) 813-9636.

Sincerely,

TAYLOR Q. LAM
Captain, U.S. Coast Guard
Captain of the Port, San Francisco



Temporary Navigation Lighting-Crows Landing Bridge Replacement Project - San Joaquin River

The temporary bridge and existing bridge will be lighted at night with two red lights marking the temporary navigation channel. The temporary falsework will be lighted, upriver and downriver, with green lights marking the center of the temporary navigation channel. During construction the temporary navigation channel will provide a horizontal clearance of 15 feet and a vertical clearance at Ordinary High Water of 17 feet.

Sea Risk Solutions

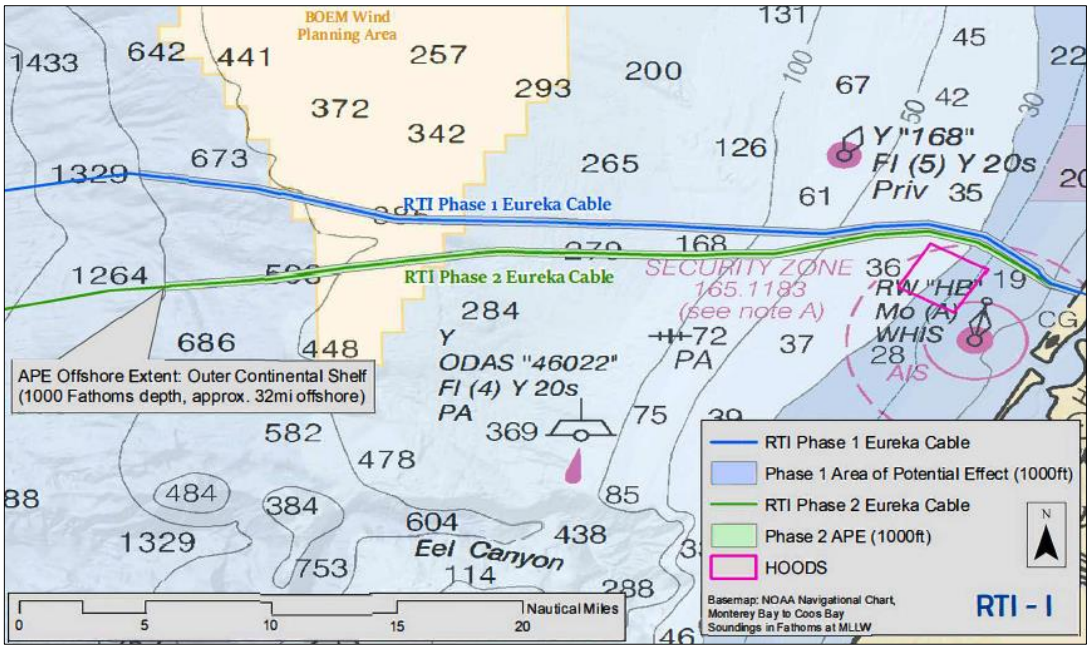
ATTENTION HUMBOLDT AREA FISHERMEN AND MARINERS

Marine Cable Installation Commencing off Eureka 27 Sept. 2021

Installation operations for the planned RTI Phase 1 & 2 Eureka trans-Pacific submarine fiber optic cables will begin with pre-lay route clearance the week of 27th September, followed by cable landing and burial operations in State and Federal waters through October. Installation operations will be conducted by the 379' Cable Ship Segero and an attending support vessel equipped with ROV, the 266' M/V Cindy Brown Tide. Fishermen and mariners are requested to maintain safe operating distance of at least 0.5 nautical miles from the installation vessels which will be operating under restricted maneuverability. The planned Eureka fiber optic cables will link northern California's internet, telephone communications and other data to the global communications network.

Fishing Gear Clearance Requested in Cable Installation Areas Sep 27 –Oct 30, 2021

The cable installation area is shown below:



C/S Segero
MMSI: 441500000
Call Sign: DSPZ4

Cable Ship -- (Under Restricted Maneuverability)

Sea Risk Solutions LLC ***wrain@searisksolutions.com***

Sea Risk Solutions

M/V Cindy Brown Tide
MMSI: 368080000
Call Sign: KCBE

Support Vessel -- (Towing Remote Operated Vehicle to monitor cable touch-down; Under Restricted Maneuverability)

Phase 1 Cable Route Position List

Latitude			Longitude			Depth (fathoms)
40 °	49.494 '	N	124 °	13.049 '	W	11
40 °	49.601 '	N	124 °	13.138 '	W	14
40 °	50.025 '	N	124 °	13.977 '	W	16
40 °	50.324 '	N	124 °	15.521 '	W	27
40 °	50.864 '	N	124 °	39.022 '	W	383
40 °	50.197 '	N	124 °	47.652 '	W	700

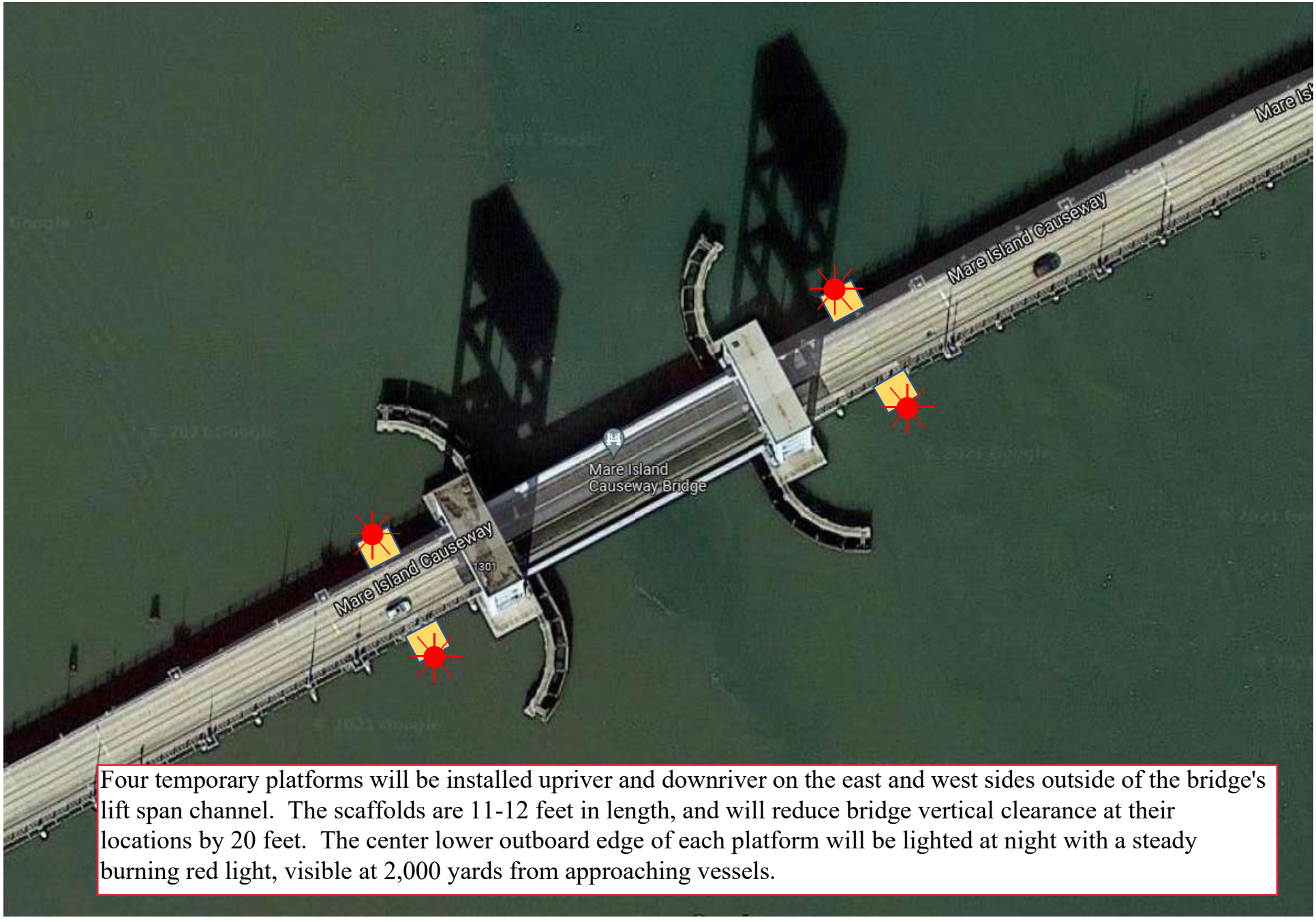
Phase 2 Cable Route Position List

Latitude			Longitude			Depth (fathoms)
40 °	48.599 '	N	124 °	12.945 '	W	9
40 °	48.689 '	N	124 °	13.322 '	W	11
40 °	49.062 '	N	124 °	13.918 '	W	15
40 °	50.341 '	N	124 °	16.119 '	W	16
40 °	50.784 '	N	124 °	18.080 '	W	17
40 °	50.647 '	N	124 °	20.241 '	W	19
40 °	49.897 '	N	124 °	24.153 '	W	20
40 °	49.891 '	N	124 °	24.663 '	W	86
40 °	49.883 '	N	124 °	26.033 '	W	129
40 °	49.812 '	N	124 °	27.391 '	W	180
40 °	49.972 '	N	124 °	34.185 '	W	312
40 °	50.012 '	N	124 °	34.798 '	W	324
40 °	49.973 '	N	124 °	35.636 '	W	361
40 °	49.345 '	N	124 °	41.272 '	W	496
40 °	48.840 '	N	124 °	45.001 '	W	700

Fishermen with any fishing lines or traps within 0.5 nautical miles either side of the above coordinates are requested to shift it to north or south for the duration of operations.

For more information fishermen and mariners are encouraged to contact Fisheries Liaison Wolfgang Rain at +1 206 427 6553, or by email at: wrain@searisksolutions.com

Temporary Platform Lighting - Pipeline Rehabilitation
Mare Island Bridge
Mile 2.8, Napa River



Four temporary platforms will be installed upriver and downriver on the east and west sides outside of the bridge's lift span channel. The scaffolds are 11-12 feet in length, and will reduce bridge vertical clearance at their locations by 20 feet. The center lower outboard edge of each platform will be lighted at night with a steady burning red light, visible at 2,000 yards from approaching vessels.

U.S. Department of Homeland Security

United States Coast Guard

Commander
United States Coast Guard
Eleventh District

Coast Guard Isl Bld. 52
Alameda, Ca 94501-5100
Staff Symbol: (d)
Phone: (510) 437-3968

August 20, 2021

Dear Concerned Parties,

Coast Guard Districts Eleven (D11) and Thirteen (D13) would like to invite you to participate in the inaugural Pacific Coast Port Access Route Study (PAC-PARS).

The areas of the study will incorporate all waters on the outer continental shelf to encompass all major routes adjacent to and within port entrances and traffic separation schemes for the entire Pacific Coast. The areas of study will include major ports such as: **San Diego, CA, Los Angeles/Long Beach, CA, San Francisco, CA, Humboldt Bay, CA, Coos Bay, OR, Yaquina Bay, OR, Astoria, OR, Grays Harbor, WA, and Seattle/Puget Sound, WA.**

The PAC-PARS intent is to analyze current and future demands of waterway usage to ensure safe navigation. Major goals of the study include: analyzing and quantifying historical vessel traffic densities, analyzing and quantifying historical marine incidents/casualties, collecting and analyzing public comment and concern, working with maritime and environmental partners to determine future waterway use, and finally make an informed recommendation based on data collected to maintain, amend, or create vessel routing measures.

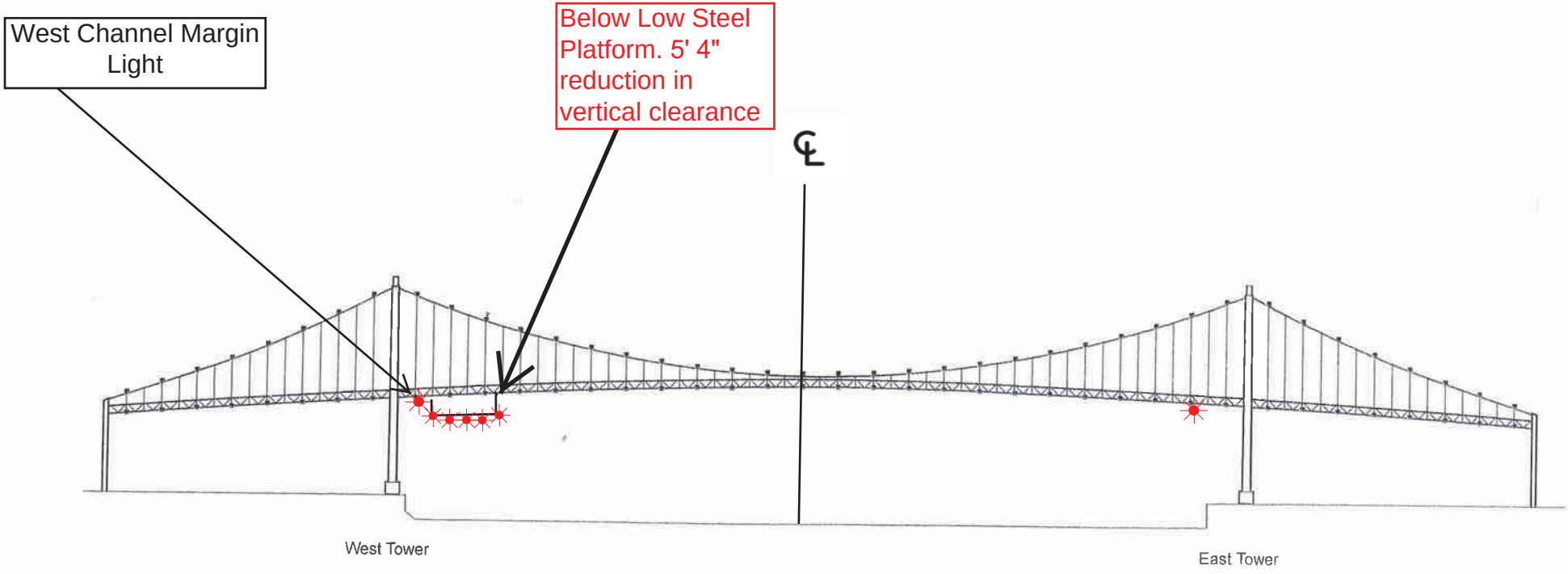
The Notice of Study is published on the federal register under docket USCG-2021-0345, and found at: https://www.regulations.gov/document/USCG-2021-0345-0001. Future federal register notices for the PARS within D11 and D13 has been published and opened for comment. Comments and related material must be received on or before 25 January, 2022. Any scheduled public meeting hosted by the Coast Guard regarding this study will be published in the federal register. District representatives will periodically attend port Harbor Safety Committees to continue distributing notice and information on the study.

Please direct all official comments to the federal register linked above and questions or concerns to PACPARS@uscg.mil.

Sincerely,

B. K. PENOYER
Rear Admiral, U.S. Coast Guard
Eleventh Coast Guard District

Vincent Thomas Highway Bridge
Mile 3.0
Los Angeles/Long Beach Harbor
Painting Project



A 180 foot long under deck temporary platform will reduce vertical clearance by 5' 4". Each corner and every 50 feet along the the upstream and downstream side of the platform will lighted at night with steady burning red lights visible at 2000 yards by approaching vessels. In a duration of 1-year the platform will progress from the western channel margin light to 250' west of the centerline of the bridge.