



16591
1 May 2023

Megan Neill, PE, Engineering Services Manager
Multnomah County, Oregon
1403 SE Water Ave., Portland, OR 97214

Subj: Earthquake Ready Burnside Bridge

Dear Ms. Neill:

Multnomah County Oregon proposes to replace the existing Burnside Bridge across the Willamette River, in Portland Oregon, with a new seismically resilient Earthquake Ready Burnside Bridge that will remain operational and accessible for vehicles and other modes of transportation following a major Cascadia Subduction Zone earthquake. A seismically resilient Burnside Bridge will support the region's ability to provide rapid and reliable emergency response, rescue, and evacuation after a major earthquake, as well as enable post-earthquake economic recovery. In addition to ensuring that the crossing is seismically resilient, the purpose is also to provide a long-term, low-maintenance and safe bridge crossing for all users.

The new bridge will cross the Willamette River at essentially the same location as the existing bridge, at river mile 12.4, Lat: 45.31.23 N; Long: 122.40.032 W.

After reviewing several sources of information for the project including; Preliminary Navigation Study (PNS) dated November 18, 2019 and January 29, 2021, the applicant's initial Coast Guard bridge permit application, bridge Plan Sheets dated 4/11/2023; and comments received from mariners/maritime stakeholders collected from Public Notice #07-20, the Coast Guard is issuing this Preliminary Navigation Clearance Determination (PNCD) letter.

The Coast Guard determines that a permanent bascule type drawbridge at the subject location must provide the minimum vertical and horizontal navigational clearances as shown in the table below in order to meet the reasonable needs of navigation at the bridge location.

| Bascule Drawbridge Alternative | <u>Existing</u> | <u>Proposed</u> |
|---|--|---|
| Horizontal (open) | Main channel: 120 ft. between tips of bascule spans in the open to navigation position | Main channel: = or > 130 ft. between tips of bascule spans in the open to navigation position |

| | | |
|---------------------|--|---|
| Horizontal (closed) | Main channel: 205 ft. West channel: 250 ft. East channel: 167 ft. | Main channel: 205 ft. West channel: = or > 100 ft. East Channel: = or > 100 ft. |
| Vertical (open) | Main channel: Unlimited | Main channel: Unlimited |
| Vertical (closed) | Main channel: 64.0 ft. West channel: 28 ft to 36 ft. East channel: 35 ft to 37 ft. | Main channel: = or > 65.8 ft. West channel: = or > 28 ft. East channel: = or > 35 ft. |

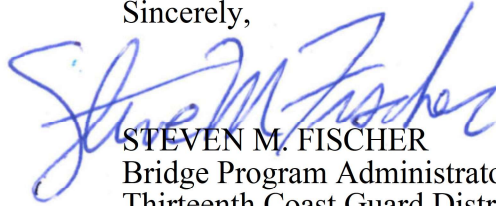
Note: the navigation clearances noted in the above table are referenced to the Columbia River Datum (CRD) as depicted on NOAA Nautical Chart 18526. The chart can be found at the link: <https://charts.noaa.gov/OnLineViewer/18526.shtml>

This determination is based on the following factors:

1. The current bridge meets the reasonable needs of current and prospective navigation and the proposed bridge will maintain the same or greater navigational clearances, using the clearances shown in the Table above, and therefore will meet the reasonable needs of current and prospective navigation.
2. The NIR indicates that the clearances listed in the Table will meet the reasonable needs of navigation.
3. Plan Sheet drawings provided by the applicant, dated 4/11/2023.
4. Any temporary work structures used during construction of the permanent bridge shall maintain the minimum navigation clearances in the main navigation channel as follows: Vertical: 64.0 feet (in the closed position, as measured from CRD); Horizontal: 165 feet.
5. The new bridge will be required to include a bridge pier protection system.

The final Coast Guard navigation determination will be based on the final bridge design's ability to meet the reasonable needs of current and future navigation, as determined by the Coast Guard. If you have any questions or concerns please call me at (206) 220-7282 or email at steven.m.fischer3@uscg.mil.

Sincerely,



STEVEN M. FISCHER
Bridge Program Administrator
Thirteenth Coast Guard District
By direction

Copy: Coast Guard Sector Portland, Waterways Management
Shane Phelps, ODOT Consultant

**U.S. Department of
Homeland Security**

**United States
Coast Guard**



Commander
United States Coast Guard
Thirteenth District

915 Second Avenue (RM 3510)
Seattle, WA 98174-1067
Staff Symbol: dpw
Phone: 206-220-7282
Email: steven.m.fischer3@uscg.mil

16591

30 April, 2021

Megan Neill, P.E., Engineering Services Manager
Multnomah County, Oregon
1403 SE Water Ave., Portland, OR 97214

Subj: Burnside Bridge

Dear Ms. Neill:

Your official application submittal letter for a Coast Guard Bridge Permit to replace the existing Burnside Bridge across the Willamette River at approximate river mile 12.4 was received on 28 April, 2021. Your project will be referenced as the Burnside Bridge.

Our initial review should be complete by approximately 28 May, 2021. At the end of our review we will either:

- a. Send you a letter stating that your application is complete, or;
- b. Send you a letter requesting additional information required for a complete application.

If you need any more information about our permit process, please call me at the above phone number.

Sincerely,

A handwritten signature in blue ink, reading "Steven M. Fischer".

STEVEN FISCHER

U.S. Coast Guard
Thirteenth District
Bridge Administrator



Drop-Off Completed

Your files have been sent successfully.

Request Code: 8b5peoen4dmj

| Filename | Size | SHA-256 Checksum | Description |
|---|----------|--|---|
|  USCG Bridge Permit Application EQRB 20210226.docx | 215.9 KB | 1D187945C83659544981784CE2E2D9D7 EA92C8C38A2DFF54A7720447F6834050 | Bridge Permit Application |
|  Attachments_Tracking_20210226.xlsx | 12.1 KB | 303D1A9D159F4B0E588890B6A93234CF CA52239ADE99CFEAE313F2C720D85A8B | Attachment List and Tracking |
|  AttA_EQRB Designated Representatives Letter_signedMN.pdf | 821.4 KB | D761EB5C87DB64158C6CAF572EB5C481 05AF5E82DC8E56E06E573CF1B94D64CA | AttA Representatives Letter |
|  AttC_Original Bridge Permit Drawings.pdf | 1.7 MB | 1E9555569778A11EDBED8AC13D3297C2 ABBB1B5C9CE869810094C4B2DE158180 | AttC Original Bridge Drawings |
|  AttE_Bathymetry.pdf | 1.7 MB | 68969B90AF87DB01F537FA0E775557B0 075F5A094862216D3443CF96F9131616 | AttE Bathymetry |
|  AttF_Access and staging.pdf | 595.0 KB | 36A07631D6AF7F4CA18FC6179914974C D01AF0DFE9B29DABF22BB74E3B70B03B | AttF Access and Staging |
|  AttG_Preliminary Navigation Study.pdf | 2.2 MB | DA50A76E1CAC677B9B048D5C0C31C187 C8111196D122D7CBF132D4F708DFE724 | AttG Preliminary Navigation Study |
|  AttH_ODFW Correspondence Emails.pdf | 567.5 KB | 4366050792C1CD53EA856412250EE187 DD06F35FCA310A1D7F82763B9CBE4E1A | AttH ODFW Correspondence |
|  AttK_NMFS_BioOp_Consultation_RequestLetter_21-01-29.pdf | 313.4 KB | 309B8E419589BE24F244EAF2936BBE08 94D9B17D2A545B79B8B0C34DF83E9E1E | AttK NMFS Biological Opinion pending - FHWA Consultation Request Letter |
|  AttT_Wetlands and Waters Technical Report.pdf | 5.5 MB | 694D2228A510A2E9BFA50E8A79B37254 C3F4BA0FD42645CFB9A40AD922309236 | AttT Wetlands and Waters Report |
|  AttU_Fig_OregonCoastalZone.pdf | 1.3 MB | 5ADD82A812C77030A4ED0ED64CA4F0CA 6CA3D0CB83D8029DD9587D3157A1D17C | AttU Oregon Coastal Zone Figure |
|  AttV_Hyd_TechRpt_20210129.pdf | 20.7 MB | A17AE8224BDBFB9FF58DD2A77669A99D F29C671434F6115A98BDC7BE407741F9 | AttV Hydraulics Technical Report |
|  AttW_Floodplain_FHWA Coordination_Email.pdf | 258.4 KB | A5E1D9B19AA922D4270122CD415E9A4C BC72981F1084A3723971220CA9AE0F2F | AttW Floodplain FHWA Correspondence |
|  AttX_Fig_WildandScenicRivers.pdf | 1.4 MB | 850D8300FB348DB8887DB0E91C30F7EA CF8B260747E43FF835862886D976ABFE | AttX Wild and Scenic Rivers Figure |
|  AttY_Fig_Coastal_Barrier_Resources_System.pdf | 1.1 MB | 0247BA02DCEE4F8136CC118971C2A430 0C3D6D4FEECA31A6660D49D79F007DE3 | AttY Coastal Barriers Resources System |
|  AttZ_ParksRec_TechReport_20210129.pdf | 4.4 MB | 22DE48A7060FE2F3992F178C192C2A88 E9F23A8C969E5D68BFA6EFE780AF7899 | AttZ Parks and Rec Tech Report |
|  AttAA_OPRD and NPS Correspondence_LWCF.pdf | 17.3 MB | 67D9AF7C0C8CB2705322C08359017638 BC95046B90A63EDBF408F1B336B13E76 | AttAA OPRD NPS Parks Correspondence |
|  AttAB_Fig_NOAA_National_Marine_Sanctuaries.pdf | 1.2 MB | 634B503D697D90CB9A4F0D13885E0126 BBC599F7ED6C40795476D09CF21ECB53 | AttAB NOAA National Marine Sanctuaries Figure |
|  AttAC_Fig_Marine_Protected_Areas.pdf | 1.5 MB | 38CD7BCD7BDD68FBB45F7545D5108D7 BAB5D7EE7D1ED8B74EE9110A78E9E8CE | AttAC Marine Protected Areas Figure |
|  AttAD_USFWS IPaC.pdf | 231.3 KB | 5FDC4A2D9C5FDB426E6192F616885246 E76454B81035A29A4491542B1C33362B | AttAD USFWS IPaC |
|  AttAE_NoEffects_USFWS Correspondence.pdf | 423.0 KB | B56A6353AB4548C45534DD864AFB1E00 99AB328A2B824BCE1D586D76C4D92E3A | AttAE USFWS ESA No Effects Correspondence |
|  AttAF_NoEffects_USFWS NE Form.pdf | 986.3 KB | 9B7A18D17B66263C3C17C3DFD3CF6B6A 6CAD3B4AC87B035D98DAF28D72B667A0 | AttAF No Effects Form USFWS |
|  AttAG_BiologicalAssessment_Draft.pdf | 31.1 MB | E32AB451C92A1AAEC0F1D10F9B8A1F0 D2AEC42FFCC591B2DC72F5256E2519D7 | AttAG Biological Assessment |



AttAH_EQRB USFWS Coordiantion - MBTA BGEPA.pdf

215.5 KB

09DCE2A4A1A8D36ECCB75DCB144502CB
5BA363C389CB071E491F1510003CA6A2AttAH USFWS
MBTA BGEPA
Correspondence

AttAJ_CityOfPortland_DHelzer_BaldEagleNests_Email.pdf 342.8 KB

EF8E74F01E139895C0F03EDAE5C3B597
3033CB4FE712EBE16F471C4BF3EB8B3DAttAJ City of Portland
Bald Eagle Locations

25 files

From:

Shane Phelps <sphelps@parametrix.com> USCG on 2021-02-27 01:12 UTC

Comments:

Burnside Bridge File Drop Off

[Security](#) | [About DoD SAFE](#) | [Accessibility](#) | [New Functionality Request](#)

WARNING! This Department of Defense interest computer system is subject to monitoring at all times.

Unauthorized access is prohibited by Public Law 99-474 (The Computer Fraud and Abuse Act of 1986). Users are advised to read and agree to the Security Notice.

Server: WEB02 -- Version: 1.1-16