This template has been developed to be used in conjunction with the Coast Guard Bridge Permit Application Guide (BPAG), COMDTPUB P16591.3(series), to complete the application material required by Section 3 of the BPAG for an application for a Coast Guard bridge permit or permit amendment. It is permissible to copy and paste this template onto letterhead before submitting to the Coast Guard. Please do not delete any language from the template. Double clicking on a box allows you to check/uncheck it.

Salutation (i.e. Dear Sir/Ma’am):

Application is hereby made for a Coast Guard bridge permit (or permit amendment).

## ADMINISTRATIVE AND NAVIGATION INFORMATION

### Application Date:

#### Applicant information:

##### Name:

##### Address:

##### Telephone number:

##### Email address:

#### Consultant/Agent information (if employed):

##### Name (company or individual):

##### Address:

##### Telephone number:

##### Email address:

##### Letter authorizing a consultant/agent to obtain permits on behalf of the applicant included: [ ]  Yes [ ]  No

#### Name of Proposed Bridge(s):

##### Name of the waterway that the bridge(s) would cross:

##### Number of miles above the mouth of the waterway where the bridge(s) would be located and provide latitude and longitude coordinates (degree/minute/second) at centerline of navigation channel (contact the local Coast Guard Bridge Office for guidance):

##### City or town, county/parish, and state where the bridge(s) would be located at, near, or between:

##### Brief description of project to include type of bridge(s) proposed [fixed or movable (drawbridge, bascule, vertical lift, swing span, pontoon), highway, railway, pedestrian, pipeline] and existing bridge(s) at project site, if applicable:

##### Drawbridge Regulations (if applicable):

##### Date of plans and number of plan sheets:

##### Estimated cost of bridge(s) and approaches:

###### Provide the estimated cost of the bridge(s) as proposed, with vertical and horizontal navigational clearances:

###### Provide the estimated cost of a low-level bridge(s) on the same alignment with only sufficient clearance to pass high water while meeting the intended purpose and need:

##### Type and source of project funding (federal, state, private, etc.):

##### Proposed project timeline:

##### Other Federal actions (e.g., permits, approvals, funding, etc.) associated with the proposal:

#### Legal authority for proposed action:

##### Cite appropriate Bridge Act:

##### If not the owner of the existing bridge(s) that is being replaced or modified, include a signed statement from the bridge owner authorizing the removal or modification work and cite its location:

##### For privately owned bridges, cite authorization for right to build (e.g. deed or easement from the property owner authorizing the proposed construction or modification work):

#### International bridges (if applicable):

##### Cite the International Bridge Act of 1972, or a copy of the Special Act of Congress if constructed prior to 1972, as the legislative authority for international bridge construction:

##### For permits issued under the International Bridge Act of 1972, cite Presidential approval, via the State Department, included with the application as required:

**NOTE:Please include a copy of State Department approval for international bridges in the application package for a Coast Guard bridge permit.**

#### Dimensions of the proposed bridge(s):

##### Vertical clearance as indicated on plan sheets:

##### Horizontal clearance as indicated on plan sheets:

##### Length of bridge(s) project:

###### If no prior permit exists, and this is a modification or replacement project, is the length the same as the old bridge:

###### If not, what is the difference:

##### Width of bridge(s) project:

###### If no prior permit exists, and this is a modification or replacement project, is the width the same as the old bridge:

###### If not, what is the difference:

##### Depth of the waterway at project site at MHW if tidal or OHW if non-tidal, using the appropriate elevation and datum (e.g., NGVD 1929, NAVD 1988, etc.):

##### Width of waterway at project site at MHW if tidal or OHW if non-tidal:

##### Significant effect on flood heights and associated drift, if any, that could cause a navigation hazard:

#### Temporary Bridge(s) dimensions (vertical clearance, horizontal clearance, length and width), if applicable:

#### [Include the following language, if applicable] Enclosed are the waterway data requirements as determined by the Coast Guard District Bridge Office. If a navigation impact report was conducted please cite location(s) in the case file, list title and date of document as appropriate:

#### Existing bridge(s) if applicable:

##### Name of bridge(s):

##### Type of bridge(s) and number of lanes (e.g., fixed or moveable (drawbridge, bascule, vertical lift, swing span, pontoon, etc.); highway, railway, pedestrian, pipeline):

##### For movable spans identify the existing drawbridge operating regulation governing the structure (e.g. 33 CFR 117.XXX, if applicable):

##### When applicable, identify if the local Coast Guard Bridge Office identified that modification of an existing drawbridge requires revision or removal of the existing regulation (e.g. if the bridge project involves replacing the existing drawbridge with a fixed bridge):

##### **NOTE: If the waterway is not already identified in 117 Subpart B, please note if an operating schedule other than open on demand is being considered.**

##### Latitude and longitude coordinates (degree/minute/second) at centerline of the bridge(s):

##### Dimensions of the existing bridge(s):

###### Vertical clearance(s) as indicated on previous plan sheets (include both the open and closed-to-navigation clearances for movable spans). [The proposed and existing vertical clearances must be compared using the same datums. This may require surveying the existing bridge]:

###### Horizontal clearance as indicated on previous plan sheets:

###### Length of existing bridge(s):

###### Width of existing bridge(s):

##### Owner of the existing bridge(s):

#### Discuss construction methodology, if known, and removal of existing bridge(s), as applicable:

##### Discuss proposed construction methodology and restrictions:

##### Discuss maintenance of land traffic during construction activities:

##### Discuss extent of removal of existing bridge(s) (e.g. in its entirety, two feet below the mud line, down to or below the natural bottom of the waterway or to a specific elevation), time needed for removal, etc.:

##### Discuss demolition methodology:

**NOTE:In the interest of navigational safety, the Coast Guard must make the final decision concerning the extent of bridge(s) removal.**

#### Other agencies with jurisdiction over the proposed project:

##### Agency:

##### Permits or type of approvals required for the project:

## ENVIRONMENTAL INFORMATION:

### **National Environmental Policy Act**

Lead Federal Agency:

 List Cooperating Agencies for project:

1. Type of environmental document.

[ ]  Environmental Impact Statement/Record of Decision (EIS/ROD)

 Cite location(s) in the application package:

[ ]  Environmental Assessment/Finding of No Significant Impact (EA/FONSI)

Cite location(s) in the application package:

[ ]  Categorical Exclusion (CE)

Cite location(s) in the application package:

1. Has the environmental document been modified, reevaluated, supplemented or rescinded for the proposed action?

[ ]  Yes [ ]  No

If yes, cite location(s) in the application package:

### **Environmental Effects Abroad**

1. Does the proposed project involve a bridge connection to Canada or Mexico?

[ ]  Yes [ ]  No

If yes, cite location(s) in NEPA document where environmental effects abroad are described:

### **Clean Water Act**

1. Has a Water Quality Certification (WQC), waiver or statement that the WQC is not required been obtained from the appropriate federal, interstate, or state agency?

[ ]  Yes [ ]  No

If yes, cite location(s) in the application package:

**NOTE:** The USCG will not accept an application package as complete if a WQC, waiver, or statement from the appropriate regulatory body has not been obtained.

1. Name of the Federal, State or Tribal certifying agency and point of contact with phone and email address, if available:
2. If the WQC is granted under a Programmatic Agreement (e.g., U.S. Army Corps of Engineers (USACE) Nationwide Permit (NWP) include the date of the NWP, the type of NWP (14, 15, etc.) and the NWP number and title:
3. For permit amendment actions, include a new WQC or a written confirmation from the certifying agency that the existing WQC has been reissued/renewed or is still valid for the proposed action.

[ ]  New WQC Attached

[ ]  Written Confirmation of WQC validity attached

### **Wetlands**

1. Is the proposed project located in or adjacent to a wetland?

[ ]  Yes [ ]  No

#### If yes, what is the acreage of wetlands that will be permanently and temporarily impacted by the proposed project?

Include USACE permit (nationwide authorization or individual), if required, and cite where wetland mitigation measures are described in the application package:

### **Coastal Zone Management Act -** The CoastalZoneManagementAct **(**CZMA**)** of 1972 (16 U.S.C. § 1451), as amended, and its implementing regulations (15 CFR Part 930), requires all projects located within the designated coastal zone of a state to be consistent with the State's federally approved CZM plan (CZMP).

1. Is the project located in a state that has an approved CoastalZoneManagementAct Plan (CZMP)?

[ ]  Yes [ ]  No

1. If yes, is the project within an area included in the federally approved CZMP?

[ ]  Yes [ ]  No

1. If yes, has the State specifically excluded this activity from its federally approved CZMP?

[ ]  Yes [ ]  No

Include State CZM concurrence/with consistency certification and cite location(s) in the application package:

### **Floodplains**

1. Is the proposed project located in the base floodplain? An encroachment into the base floodplain does not exist when only the piers, pilings, or pile bents are located in the floodplain.

[ ]  Yes [ ]  No

1. Is there a significant encroachment (constituting a considerable probability of loss of human life; likely future damage associated with the encroachment that could be substantial in cost or extent; or a notable adverse impact on natural and beneficial floodplain values) into the floodplain?

[ ]  Yes [ ]  No

1. If yes, provide documentation and cite location(s) in the application package:

### **Wild and Scenic Rivers**

* 1. Is the river involved in the proposed bridge project a designated Wild and Scenic River?

[ ]  Yes [ ]  No

1. If yes, attach correspondence with the river-administering agency and cite location(s) in the application package:

### **Coastal Barrier Resources Act**

1. Does the proposed project connect to a unit of the Coastal Barrier Resources System?

[ ]  Yes [ ]  No

1. If yes, and the project is federally funded, cite location of Section 6 exception in the application package and any correspondence with the FWS:

### **Land and Water Conservation Fund Act**

1. Does the proposed project involve a conversion of land or facilities funded under Section 6(f) of the Land and Water Conservation Fund Act?

[ ]  Yes [ ]  No

1. If yes, include correspondence with the NPS and authorization from the Secretary of the Interior for that conversion and cite location(s) in the application package:

### **National Marine Sanctuaries Act**

1. Is the proposed project in or adjacent to a National Marine Sanctuary?

[ ]  Yes [ ]  No

1. Is the proposed bridge(s) likely to destroy, cause loss of, or injure a resource of a National Marine Sanctuary? (If no, provide evidence)

[ ]  Yes [ ]  No

1. If yes, include evidence of consultation with Office of National Marine Sanctuaries and the agency’s findings/conditions and cite location(s) in the application package:

### **Marine Protected Areas**

1. Is the proposed project in or adjacent to a Marine Protected Area (MPA) as defined in section 4(d) of Executive Order 13158?

[ ]  Yes [ ]  No

1. If yes, will the proposed project affect the natural or cultural resources that are protected by the MPA? (If no, provide evidence)

[ ]  Yes [ ]  No

1. If yes, include evidence of correspondence with MPA Center, if applicable, and cite location(s) in the application package:

### **Endangered Species Act**

1. Are there federally designated threatened or endangered species and/or critical habitat in the area that the proposed project is located? (If no, provide evidence)

[ ]  Yes [ ]  No

1. May the proposed project affect federally designated threatened or endangered species and/or critical habitat? (If no, provide evidence)

[ ]  Yes [ ]  No

1. If yes, was there formal or informal consultation with the United States Fish and Wildlife Service (USFWS) or the National Marine Fisheries Service (NMFS)?

[ ]  Formal consultation

[ ]  Informal consultation

1. If formal, provide date(s) and attach biological assessment, biological opinion, and any other relevant correspondence and cite location(s) in application package:
2. If informal, provide dates and include correspondence or documented phone conversations with and from USFWS/NMFS and cite location(s) in the application package:
3. Include Biological Assessment/Biological Evaluation, as appropriate.

### **Fish and Wildlife Coordination Act**

1. Include any correspondence with USFWS and the relevant state wildlife agency regarding Fish and Wildlife Coordination Act coordination and cite location(s) in the application package:

### **Magnuson-Stevens Fishery Conservation and Management Act**

#### Will the proposed project likely adversely affect designated Essential Fish Habitats (EFH) as defined in the Magnuson-Stevens Act? (If no, provide evidence)

[ ]  Yes [ ]  No

1. Identify location of EFH assessment and relevant correspondence with NMFS in the application package:

### **Marine Mammal Protection Act**

1. Does the proposed project involve a “take” of marine mammals as defined in the Marine Mammal Protection Act?

[ ]  Yes [ ]  No

1. If yes, include the incidental harassment authorization or letter of authorization from NMFS and any relevant correspondence and cite location(s) in the application package:

### **Migratory Bird Treaty Act**

1. Does the proposed project involve a potential take of migratory birds as defined in the Migratory Bird Treaty Act? (If no, provide evidence)

[ ]  Yes [ ]  No

1. If yes, is a permit required?

[ ]  Yes [ ]  No

1. If a permit is required, include it and any correspondence with USFWS and cite location(s) in the application package:

### **Bald and Golden Eagle Protection Act**

1. May the proposed project take or disturb bald or golden eagles (including nests) as defined in the Bald and Golden Eagle Protection Act? (If no, provide evidence)

[ ]  Yes [ ]  No

1. If yes, is a permit required?

[ ]  Yes [ ]  No

1. If a permit is required, include it and any correspondence with USFWS and cite location(s) in the application package.

### **Invasive Species**

1. Does the proposed project have potential to introduce or foster the spread of invasive species?

[ ]  Yes [ ]  No

1. If yes, cite the document that describes measures that will be taken to minimize this risk and location(s) in the application package:

### **Section 106**

1. Does the proposed project have potential to impact properties (including submerged abandoned shipwrecks) listed in or eligible for inclusion in the National Register of Historic Places?

[ ]  Yes [ ]  No

1. If yes, provide evidence of consultation with the State Historic Preservation Officer (and the Advisory Council on Historic Preservation, if applicable) and cite location (s) in the application package. Include:

[ ]  Copies of the correspondence

[ ]  Memorandum of Agreement

[ ]  No effect determination

1. For projects involving Federal lands only provide:

[ ]  Archeological clearances

[ ]  Archeological reports

### **Clean Air Act**

1. Does the proposed project occur in an area of nonattainment or maintenance for any criteria pollutant?

[ ]  Yes [ ]  No

1. If project occurs in a nonattainment or maintenance area, do the transportation or general conformity regulations, or both, apply?

[ ]  General [ ]  Transportation

1. Is the project exempt from a transportation conformity analysis for any of the reasons listed in 40 CFR § 93.126? Which reason?

[ ]  Yes [ ]  No Reason:

1. Is the project exempt from a general conformity analysis for any of the reasons listed in 40 CFR § 93.153(c)?

[ ]  Yes [ ]  No

1. If general conformity applies, is the project listed in a conforming State Implementation Plan (SIP)?

[ ]  Yes [ ]  No

1. If a general conformity determination was prepared, include the draft and final determinations and any relevant correspondence and cite their location(s) in the application package:
2. If transportation conformity applies, is the project listed in a conforming SIP, Transportation Improvement Program (TIP), Regional Transportation Plan (RTP), or Federal Implementation Plan (FIP)?

[ ]  Yes [ ]  No

1. If yes, cite location of information regarding listing in the application package:
2. If transportation conformity applies, does the project contribute to any new localized CO, PM10, or PM2.5 violations or increase the frequency or severity or any existing violations of the same?

[ ]  Yes [ ]  No

1. If yes, cite location of information in the application package:

### **Actions to Address Environmental Justice in Minority or Low-Income Populations**

1. Does the proposed project involve disproportionate adverse impacts to minority and/or low-income populations as defined in Executive Order 12898?

[ ]  Yes [ ]  No

1. If yes, include the analysis describing the impacts and cite location(s) in the application package:
2. If yes, cite the location in the application package that describes measures to be taken to reduce those impacts:

### **Hazardous Materials, Substances or Wastes**

1. Does the proposed project involve or is it located near a Superfund site or any site regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA) or State law regulating hazardous materials, substances or wastes?

[ ]  Yes [ ]  No

1. If yes, cite the location(s) in the NEPA document where hazardous materials, substances or wastes are discussed:

See Enclosure [ ] for plan sheets.

See Enclosure [ ] for Waterway Data Requirements

WATERWAY DATA REQUIREMENTS (as required by the Coast Guard, include the below information as an attachment to the application letter per Appendix A of the BPAG)

## Means of Data Collection: See BPAG for additional information

## Present governing bridge(s) or aerial structure(s) on the waterway:

### Identify all bridges upstream and downstream of the proposed bridge site and their existing horizontal and vertical clearances to determine the existing minimum horizontal and vertical clearances (including overhead transmission line clearances). Provide in table format.

### (If all bridges downstream have the same minimum clearance, state instead of the above requested information.)

### Does the proposed bridge(s) match (or is greater than) the navigational clearance of existing structures on the waterway?

###  What is the most restrictive horizontal clearance on the waterway? (This may be a fixed bridge downstream/upstream of the proposed structure, a low hanging power line downstream/upstream of the bridge(s), or it may be some other structure that limits horizontal clearance. Sometimes the existing to-be-replaced bridge(s) is the most restrictive structure.)

#### Milepoint:

#### Horizontal clearance:

### What is the most restrictive vertical clearance on the waterway? (This may be a fixed bridge downstream/upstream of the proposed structure, a low hanging power line downstream/upstream of the bridge(s), or it may be some other structure which limits vertical clearance. Sometimes the existing to-be-replaced bridge(s) is the most restrictive structure.)

#### Milepoint:

#### Vertical clearance:

### Will the proposed bridge(s) become the most restrictive/obstructive structure across the waterway?

## Waterway characteristics: (All domestic bridge navigational clearances should be stated in linear feet in decimal form vs. feet and inches. All international bridge navigational clearances should be stated in linear unit of measure as well as the metric equivalent.)

### Various waterway stages: (Datum that is used).

### Natural flow of the waterway including currents, waterway velocity, water direction, and velocity fluctuations (seasonal, daily, hourly, etc.), that might affect navigation.

### Width of the waterway at bridge site:

### Depth of the waterway and elevation fluctuations at bridge site: [List the depth at each waterway bridge stage (ex. Range of tides, average high water elevation, etc.)].

### Waterway layout and geometry: (For example, is there a dam or lock; does the elevation of the approach impact the required bridge(s) clearance?)

### Channel and waterway alignment: Location of the channel(s)

### Other limiting factors:(For example, bends in the waterway within one-half mile of project site, hindrances to free navigation, fog, hydraulics, etc.)

## Do vessels that engage in emergency operations (i.e., law enforcement, fire, rescue, emergency dam repair, etc.), national defense activities (i.e. cruisers, fuel barges, munitions ships, etc.) or channel maintenance (i.e., dredges, dam and levee repair, etc.) operate on the waterway? If yes, describe the vessels and provide the following information:

### Does levee maintenance, bridge work (other bridges), channel maintenance and emergency operations upstream of bridge require certain vessels to transit the waterway?

### Does the proposed bridge(s) impact USCG and/or other government vessels’ ability to transit the bridge(s) to conduct mission essential functions (icebreakers, patrols, etc.)?

### Vessels using the waterway during the proposed bridge(s) lifespan (should include):

#### Vessel name;

#### Registration/documentation numbers;

#### Vessel type;

#### Vessel owner contact information (company/individual name, address, contact info.);

#### Primary vessel mooring location (include waterway milepoint, if known);

#### Vessel overall length;

#### Vessel beam;

#### Vessel draft (depth of hull below waterline at full load);

#### Vessel air draft (height of the highest fixed point of the vessel above the waterline, when empty);

#### Specialized vessels that use the waterway (e.g. vessels which have limited maneuverability due to inherent design or mode of operation);

#### Safety margin required by vessel to navigate through the bridge(s);

#### Vessel transit frequencies under proposed bridge(s), transit speeds, and load configurations; and

#### Vessel traffic characteristics (to include if tug assist is required for transit through the bridge(s) due to limited horizontal clearance).

### Will the proposed bridge(s) provide the horizontal and vertical clearances for the safe, efficient passage of the largest of these vessels? Why?

### If no, estimate the number of vessels in each of the above categories unable to pass through the proposed bridge(s). Give the name, length overall (LOA), beam, draft and height of highest fixed point above the waterline for vessels affected by the bridge(s).

### Can these vessels be modified (i.e., folding mast, relocation or equipment, etc.) without decreasing their respective response times? If so, name the vessels.

### If modifications are feasible, state the name of the vessel(s), their trip frequency, the necessary modifications, the cost of the modification(s) and who will pay for them (i.e., vessel owner, applicant, other).

### Provide any additional information concerning the potentially impacted or burdened users of the waterway as well as the future use of the waterway.

## Has the United States Corps of Engineers (USACE) completed or does it plan to complete a federal navigation project on the waterway? If yes, provide the following information:

### Project name, downstream/upstream milepoints, depth, type of project, scope, status of project and other limiting factors.

### Whether there is/was a “design vessel” used in planning the channel? What is/was the design vessel? Was the design vessel reviewed by the Coast Guard?

### The following specifications of the vessel for which the navigation project is or will be designed: LOA, beam, draft and height of highest fixed point above the waterline.

### Will the proposed bridge(s) provide the horizontal and vertical clearances necessary for the safe, efficient passage of the vessel for which the navigation project was designed?

### If so, can the vessel be modified to clear the proposed bridge(s) without substantially increasing operating costs?

### If modifications are feasible, state the necessary modifications, costs of any modification(s), and who will pay for the modifications.

### Are there projected changes in waterway usage based upon anticipated waterway improvement projects?

### Does the proposed bridge(s) impact USACE ability to transit the bridge(s) in a Federal project channel?

## Describe the present and prospective recreational navigation: Will the proposed bridge(s) affect the safe, efficient movement of any segment of the present or prospective recreational fleet operation on the waterway? If yes, provide the following information:

### Vessels utilizing the waterway during the proposed bridge(s) lifespan. (Information in this bullet should include:)

#### Vessel name;

#### Registration/documentation numbers;

#### Vessel type;

#### Vessel owner contact information (company/individual name, address, contact info.);

#### Primary vessel mooring location (include waterway milepoint, if known);

#### Vessel overall length;

#### Vessel beam;

#### Vessel draft (depth of hull below waterline at full load);

#### Vessel air draft (height of the highest fixed point of the vessel above the waterline, when empty);

#### Specialized vessels that use the waterway (e.g., vessels which have limited maneuverability due to inherent design or mode of operation);

#### Safety margin required by vessel to navigate through the bridge(s);

#### Vessel transit frequencies under proposed bridge(s), transit speeds, and load configurations; and

#### Vessel traffic characteristics (to include if tug assist is required for transit through the bridge(s) due to limited horizontal clearance).

### What is the estimated percentage of the recreational fleet, which may be affected by the proposed bridge(s)?

### Will the proposed bridge(s) eliminate the access of these vessels to existing or planned commercial, water-oriented facilities (i.e., restaurants, shops, recreational areas, marinas, etc.) in the vicinity of the proposed bridge(s)? If yes, describe these facilities.

### Is it feasible to modify the affected segments of the fleet to clear the proposed bridge(s) without substantially increasing operating costs? If yes, name the vessel(s), state the necessary modifications, cost of modifying each vessel and person or entity responsible for financing the modifications.

### Provide any additional information concerning the potentially impacted or burdened users of the waterway as well as the future use of the waterway.

**NOTE: Check with local USACE District Office, Chamber of Commerce or other organizations for proposed marinas, recreational areas, shops, etc.**

## Describe the present and waterway and prospective commercial navigation and the cargoes moved on the waterway: Will the proposed bridge(s) affect the safe, efficient movement of any segment of the present or prospective commercial fleet operating on the waterway? If yes, provide the following information:

### Vessel name;

### Registration/documentation numbers;

### Vessel type;

### Vessel owner contact information (company/individual name, address, contact info.);

### Primary vessel mooring location (include waterway milepoint, if known); vessel overall length;

### Vessel beam;

### Vessel draft (depth of hull below waterline at full load);

### Vessel air draft (height of the highest fixed point of the vessel above the waterline, when empty);

### Specialized vessels that use the waterway (e.g. vessels which have limited maneuverability due to inherent design or mode of operation);

### Safety margin required by vessel to navigate through the bridge(s);

### Vessel transit frequencies under proposed bridge(s), transit speeds, and load configurations; and

### Vessel traffic characteristics (to include if tug assist is required for transit through the bridge(s) due to limited horizontal clearance).

### Does the proposed bridge(s) impact existing and future cruise ship ports-of-call/terminals?

### Does the proposed bridge(s) impact ports supporting post-Panamax vessels?

### Does the proposed bridge(s) impact vessels that produce unique products for the region?

### Does the proposed bridge(s) impact vessels that require helper boats/tugs? (Note the combined clearance requirement of the vessel and the helper boat/tug.)

### Document annual cargo movements (cargo types and quantities);

### State the estimated percentage of the commercial fleet, which may be affected by the proposed bridge(s).

### Will the proposed bridge(s) clearance impact present and/or prospective upstream commercial activity, e.g., jobs and economic growth and development?

### If yes, address any existing or planned commercial/industrial developments negatively affected by the proposed clearances and discuss the economic impacts the proposed clearances will have on these businesses:

### Document the foreseeable needs to future navigation;

### Provide existing and historical navigational use and waterway conditions;

### Provide input from waterway dependant facilities concerning future use;

### Describe land use zoning along the waterway (particularly within the riparian zone);

### Describe future vessel size and traffic trends;

### Include input from states based on state development plans;

### Include input from facilities based on business plans;

### Document local commercial shipping and other businesses affected by this restriction.

### Note: the next opportunity to adjust clearances for navigation is usually between 50-100 years unless interim waterway improvement projects include the cost of bridge alterations.

### Is it feasible to modify the restricted vessels to clear the proposed bridge(s) without substantially increasing operating costs? If yes, name the vessel(s), state the necessary modifications, cost of modifying each vessel and company or entity responsible

### Provide any additional information concerning the potentially impacted or burdened users of the waterway as well as the future use of the waterway.

## Identify the name and contact information for marine facilities located within a 3-mile radius of the proposed project (public boat ramps, marinas or major docking facilities, boat repair facilities, etc.:

## Will the proposed bridge(s) block access of any vessel presently using local service facilities (i.e., repair shops, parts distributors, fuel stations)? If yes, provide the following information:

### Describe the facilities impacted and estimate the number of vessels currently using these facilities.

#### Vessel information should include the following for each blocked vessel:

#### Vessel name;

#### Registration/ documentation numbers;

#### Vessel type;

#### Vessel owner contact information (company/individual name, address, contact info);

#### Primary vessel mooring location (include waterway milepoint, if known); vessel overall length;

#### Vessel beam;

#### Vessel draft (depth of hull below waterline at full load); and

#### Vessel air draft (height of the highest fixed point of the vessel above the waterline, when empty);

### Could any of these facilities be considered critical infrastructure, key resources, or important/unique U.S. industrial capability (i.e., are these facilities unique or one of only a few of the type in the area?) Address whether the proposed clearances negatively affect those facilities and their customers.

### What economic impact will loss of access have on these facilities? Include estimated dollar amount to support Commandant and DHS goals.

### What is the distance to alternate service facilities capable of servicing the affected vessels? Describe the facilities.

### Will use of these alternate facilities substantially increase vessel operation affected vessels? Describe the facilities.

### Is it feasible to modify the affected vessels to clear the proposed bridge(s)?

### If yes, state the name, necessary modifications, cost of modifying each vessel and who will pay for the modifications.

## Are alternate routes bypassing the proposed bridge(s) available for use by vessels unable to pass the proposed bridge(s)? If yes, provide the following information:

### State the number of vessels that will be forced to use alternate routes.

### For each vessel identified in section H1.a. above, include the following information:

#### Vessel name;

#### Registration/documentation numbers;

#### Vessel type;

#### Vessel owner contact information (company/individual name, address, contact info.);

#### Primary vessel mooring location (include waterway milepoint, if known);

#### Vessel overall length;

#### Vessel beam;

#### Vessel draft (depth of hull below waterline at full load);

#### Vessel air draft (height of the highest fixed point of the vessel above the waterline, when empty); and

#### Specialized vessels that use the waterway (e.g., vessels which have limited maneuverability due to inherent design or mode of operation);

### Identify any alternate routes and provide the respective distances between the proposed bridge(s) and these routes.

### Will use of these routes substantially increase the transit time and/or operating costs of the affected vessels? This relates to the mobility goals of the Commandant and DHS.

### If yes, describe the impacts of increased transit time and/or operating costs.

### Is it feasible to modify these vessels to clear the proposed bridge(s)?

### If yes, state the name, necessary modifications, cost of modifying each vessel and who will pay for these modifications.

## Will the bridge(s) prohibit the entry of any vessels to the local harbor of refuge? If yes, describe the harbor and provide the following information:

### What percentage of vessels currently using the harbor refuge will not be able to pass the proposed bridge(s) to gain access to that refuge? Describe the vessels.

### Provide vessel information for those vessels identified in J.1.:

#### Vessel name;

#### Registration/documentation numbers;

#### Vessel type;

#### Vessel owner contact information (company/individual name, address, contact info.);

#### Primary vessel mooring location (include waterway milepoint, if known);

#### Vessel overall length;

#### Vessel beam;

#### Vessel draft (depth of hull below waterline at full load);

#### Vessel air draft (height of the highest fixed point of the vessel above the waterline, when empty); and

#### Specialized vessels that use the waterway (e.g. vessels which have limited maneuverability due to inherent design or mode of operation);

### Is it feasible to modify these vessels to clear the proposed bridge(s)?

### If yes, state the name, necessary modification, cost of modifying each vessel and who will pay for the modifications.

### If alternate refuges are available, describe them and state the distance of each from the present harbor of refuge.

**NOTE: A harbor of refuge is defined as a naturally or artificially protected water area that provides a place of relative safety or refuge for commercial and recreational vessels traveling along the coast or operating in a region.**

## Will the proposed bridge(s) be located within one-half mile of a bend in a waterway? If yes, describe the bend and provide the following information:

### Is there sufficient distance between the bridge(s) and the bend to allow proper vessel alignment for the safe, efficient passage of vessels through the proposed bridge(s)?

### If no, what factors make construction of the bridge(s) at an alternate location impractical?

## Are there other factors (i.e., dockages, lightering areas, existing bridges, etc.) located within one-half mile of the proposed bridge(s), which would create hazardous passage through the proposed structure? If yes, provide the following information:

### Describe the factors. (For example, construction impacts to navigation and waterway users, etc.)

### What mitigative measures are being recommended? (For example, navigation safety during construction, etc.) Why?

## Do local hydraulic conditions (i.e., wave chop, cross currents, tides, shoals, etc.) increase the hazard of passage through the proposed bridge(s)? If yes, provide the following information:

### Describe the conditions:

### What mitigative measures are being recommended? Why?

## Do local atmospheric conditions (i.e., strong, prevailing winds, fog, rapidly developing storms, etc.) increase the hazard of passage through the proposed bridge(s)? If yes, provide the following information:

### Describe the conditions:

### What mitigative measures are being recommended? Why?

## Have guide clearances been established for the waterway? If yes, provide the following information:

### Horizontal guide clearance;

### Vertical guide clearance;

### Do the proposed bridge(s) clearances differ from these guide clearances?

### If yes, what factors justify deviating from these guide clearances?

## Are there other natural or man-made conditions that affect navigation (atmospherics, exclusion zones, etc.)?

### Describe the conditions:

### What mitigative measures are being recommended? Why?

## State any other factors considered necessary for the safe, efficient passage of vessels through the proposed bridge(s)? Are clearance gauges needed? Why?

## Include a description of the impacts to navigation caused or which could be reasonably caused by the proposed bridge(s) including but not limited to: proposed construction methodology, proposed or prospective changes to the existing bridge(s) operating schedule (for movable bridges), and any proposed mitigation to all unavoidable impacts to navigation.

### Conduct a navigational impact report, and include a review of all bridges upstream and downstream of the proposed site to determine the minimum vertical and horizontal clearances available on the waterway.

### If the proposed bridge(s) is fixed, and is replacing an existing drawbridge with unlimited vertical clearance, the applicant must determine whether the proposed bridge(s) will accommodate existing and perspective navigation.

## Is there any proposed or completed mitigation for impacted waterway users? Are there any impacts that cannot be mitigated?

### Can vessels and cargoes be partially disassembled/dismantled in order to transit the proposed bridge(s), and if so, is it economically reasonable? The Coast Guard must take into consideration a vessel’s ability to adjust its operations without economic loss. Adjustment or mitigations techniques may include using other routes, lowering electronics (GPS, radar, communication antennae, etc.), lowering crane booms, etc.

### Are alternative routes available for vessel passage?

### Can vessels transit at typical lower water stages (mean low water, mean pool level, etc.)?