



**SPECIAL PROVISIONS
FOR
MAINTENANCE OF NAVIGATION**

**Scott County
IM-NHS-074-1(197)5--03-82
IM-NHS-074-1(198)5--03-82**

**Effective Date
April 25, 2017**

THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

150182.01 DESCRIPTION.

This work shall consist of setting up work procedures, methods of protection, and scheduling work so as to maintain navigation through the bridge site to the satisfaction of the United States Coast Guard (USCG).

150182.02 MATERIALS.

All lights, signs, and day markers shall conform to the applicable USCG regulations.

150182.03 CONSTRUCTION.

A. Plan of Operations.

The contractor should submit within 4 weeks of award, a Plan of Operations that will be forwarded to the USCG by the Engineer. The Plan of Operations shall include a schedule of construction activities.

The Plan of Operations which shall outline all of the operations affecting the waterway, including but not limited to, contractor activities to facilitate pier construction, cofferdam installation maintenance and removal, temporary causeway installation maintenance and removal (if applicable), arch erection, use of falsework, other obstructions or other temporary construction activities, navigation light work, painting, concrete placement, or which will encroach upon navigation clearances, must be approved by the USCG.

The contractor shall so conduct his work that the free navigation of the waterway shall not be unreasonably interfered with; that the present navigation depths shall not be impaired; and that the channel through the structure shall be promptly cleared of all falsework, piling or other obstructions placed therein or caused by the bridge, to the satisfaction of the USCG.

The plan shall also include details of all floating equipment and/or vessels that will be utilized, including size (dimensions), location, and length of time, including calendar dates that such

equipment will be on the waterway. Location should be interpreted to mean the positioning of any and all vessels or temporary aggregate causeway in the waterway with respect to the bridge and the navigable channel. Method of anchorage or stabilization of all floating equipment, and location of mooring sites if applicable, shall be specified in the Plan of Operations.

The USCG will review the plan and provide comment to the Engineer within 45 days of receipt of said plan.

All correspondence with the USCG shall be coordinated through the Engineer who will forward the material to the following Coast Guard office:

District Commander
Attention: Eric Washburn, Bridge Administrator
1222 Spruce Street, Room 2.102D
St. Louis, MO 63103-2832
Staff Symbol: dwb
Phone: (314)269-2378
Fax: (314)269-2737
Email: Eric.Washburn@uscg.mil

All correspondence should reference the construction site as "Proposed I-74 Bridge Replacement."

B. Activities in the Navigation Channel.

A reasonable time limit will be allowed by the USCG for the Contractor's operations in the navigation channel for activities including but not limited to clearing the navigational channel of construction debris and restoring the navigational channel to full navigational capability. The amount of time allowed for work in, or closure of, the navigation channel for the Contractor's activities in the river and navigation channel will be determined by the USCG after the USCG review of the Plan of Operations. River traffic cannot be detoured to another span. If the USCG requires revisions or additional information, the Engineer will direct the Contractor to furnish the additional information for resubmittal (by the Engineer) to the USCG.

C. Notification of Commencement of Work.

The Contractor shall notify the Coast Guard 2 weeks prior to commencing any work that includes any of the activities in the Plan of Operations approved by the USCG.

The contractor shall notify the USCG when construction work has reached a point where contractor construction activities in the Plan of Operations are complete, but in no case, later than 90 days after the bridge has been opened to highway traffic.

The purpose of this clause is to provide advanced warning to commercial and other vessels utilizing the Waterway. Upon notification of Schedule of work, the USCG will issue a Navigational Alert for the Waterway. The USCG and the Engineer must be notified immediately of any change in anticipated work schedules. The USCG and the Engineer shall be promptly notified when work is completed and all floating equipment has been withdrawn from the waterway.

D. Execution of Work over a Navigable Waterway – United States Coast Guard Requirements.

1. Work shall be conducted in a manner that does not interfere with the free flow of navigation.
2. The navigational clearances meeting the approval of the USCG shall be maintained at all times. As a minimum, the existing navigational clearances shall be maintained at all times, unless otherwise approved by the USCG.

3. Navigable depths shall not be impaired at any time. The channel through the structure shall be promptly cleared of all falsework, piling, or all other obstructions placed therein or caused by the construction of the bridge. The Contractor shall continually work in a diligent manner to meet these requirements until obstructions are cleared. The Contractor shall cooperate with the USCG and other agencies including the U.S. Army Corps of Engineers in meeting the requirements to sweep the channel clean of construction debris. No temporary construction will be permitted within the clear navigation channel without USCG approval.
4. Safety measures shall be implemented and exercised at all times to prevent accidental dropping of spark producing and/or flame producing particles or objects onto barges and vessels. All welding, flame cutting, and any other tasks having spark-producing potential shall cease when vessels are passing beneath the bridge.
5. A contingency plan in the event of personnel absences or failure of equipment, and provisions for back up equipment and qualified personnel to operate the equipment shall be included when requested by the USCG.
6. Radio communication shall be provided to assure coordination and adjustment of work activities with the approach and passing of commercial vessels, and any other maritime vessels utilizing radio communication to coordinate passage through the site.
7. The contractor shall furnish and display such lights and danger signals upon all of his floating plant, buoys, and temporary and permanent construction as may be required for guiding and warning boats. The contractor shall in addition, comply with all applicable regulations of the USCG. While the existing or new navigation lights on the bridge are inoperative, the contractor shall display suitable temporary navigation lights in accordance with the Plan of Operations. The contractor is responsible for supplying any electrical power necessary for temporary lights and signals during construction. The contractor shall verify that all navigational lights are functional and unobstructed at the completion of each work day.

Floating equipment must yield the right of way to commercial vessels.

Floating equipment shall display lights and signals as specified by Inland Navigational Rules of 1980, copies of which are available from the USCG.

8. A Project Information Record document shall be executed by the Contractor at the Preconstruction Meeting and a copy thereof shall be immediately submitted to the USCG office listed above. The USCG and the Engineer shall be promptly notified of any subsequent changes in the information provided thereon. A copy of the Project Information Record document is included in these special provisions.

150182.04 METHOD OF MEASUREMENT.

Lump sum. No method of measurement.

150182.05 BASIS OF PAYMENT.

The Contractor will be paid the contract lump sum price for Maintenance of Navigation, which price shall be considered as full payment for all costs incurred by the Contractor in connection with the work as described herein.

PROMPTLY COMPLETE AND RETURN TO:

District Commander
Attention: Eric Washburn, Bridge Administrator
1222 Spruce Street, Room 2.102D
St. Louis, MO 63103-2832
Staff Symbol: dwb
Phone: (314)269-2378 Fax: (314)269-2737
Email: Eric.Washburn@uscg.mil

PROJECT INFORMATION RECORD

NAME OF BRIDGE: I-74 Over the Mississippi River RIVER/MILE: _____

PROJECT: REMOVE AND REPLACE I-74 BRIDGE

PERMITEE: IOWA DEPARTMENT OF TRANSPORTATION

RESIDENT ENGINEER OR INSPECTOR: _____

ADDRESS: _____

PHONE: _____
(Office) (Cell)

CONTRACTOR'S PERSON-IN-CHARGE: _____

ADDRESS: _____

PHONE: _____
(Office) (Cell)

SUBCONTRACTOR: _____

SUBCONTRACTOR'S PERSON-IN-CHARGE: _____

ALTERNATES: _____

START DATE: _____ EXPECTED COMPLETION DATE: _____

NAME OF WORK BOAT ON JOB: _____

RADIO CALL SIGN AND FREQUENCIES: _____

HOURS/DAYS OF OPERATION: _____

SIGNATURE