



**SPECIAL PROVISIONS  
FOR  
EMERGENCY ACTION PLAN**

**Woodbury County  
IM-NHS-029-6(198)147--03-97  
IM-NHS-029-6(241)147--03-97**

**Effective Date  
November 19, 2013**

**THE STANDARD SPECIFICATIONS, SERIES 2012, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.**

**120086.01 DESCRIPTION.**

This special provision identifies the Contractor's responsibility for preparing and following an Emergency Action Plan (EAP) and presents the requirements and the procedures for high water conditions during construction.

**A. Flood Risk Reduction Project (FRRP):**

Floyd River Channel Improvement and Flood Control Project  
Sioux City, Iowa

**Local Sponsor:** City of Sioux City, Iowa

**FRRP Station:** approximately 4+81

**Project Name:** I-29 From Just South of Bacon Creek Bridge North to Just North of Floyd River Bridge (Southbound Lanes and Median)  
Sioux City, Iowa

**B.** The Iowa DOT is proceeding with the construction of replacement bridges on I-29 over the Floyd River as a part of the Sioux City I-29 Reconstruction Project. The work involves the construction of southbound bridge structure and approach roadway embankments.

**C.** This construction impacts a segment of the Floyd River Flood Control Project that is downstream of the Floyd River levees terminus. The Floyd River Flood Control Project was originally designed and constructed by the Omaha District of the U.S. Army Corps of Engineers (USACE) between 1961 and 1966. A portion of the interstate reconstruction will take place within the "critical area" of the channel, which is assumed as the area within 300 feet riverward and 500 feet landward of the overbank channel back slope.

The work covered by this Emergency Action Plan addresses the construction of new bridge foundations and approach roadway embankments and the removal of existing bridge foundations within the Floyd River critical area.

## **120086.02 CONSTRUCTION REQUIREMENTS.**

### **A. Preparation of the Emergency Action Plan.**

Prior to construction, the General Contractor shall prepare and follow an EAP which will address the requirements presented in this document and the procedures for high water conditions during construction. The EAP shall include emergency contact information, including cell phone and pager numbers of the project manager, project superintendent and foreman. The numbers provided shall be monitored 24 hours a day, 7 days a week.

### **B. Construction Staging.**

Construction of the mitigation grading must be substantially complete prior to commencement of the bridge foundation construction. See staging plans and special details for additional information and details.

## **120086.03 CONTRACTOR'S EMERGENCY ACTION PLAN.**

### **A. Contents of the Emergency Action Plan.**

1. The contents of the General Contractor's EAP will present a detailed staging plan and all provisions in the Contract Documents so that the integrity of the FRRP and its ability to provide flood protection will be maintained throughout the entire duration of construction. The General Contractor's EAP shall be submitted at least 21 days prior to construction.
2. The proposed construction will be performed during flood and non-flood event periods, including the work overhead and on both sides of the existing channel. The potential does exist for the channel to experience flood levels during the proposed construction and provisions will be in place to address this potential.

### **B. Procedures.**

The following procedures shall be in place to address an emergency situation:

#### **1. Daily Monitoring.**

The current conditions and forecast water levels for the Floyd River and the Missouri River shall be monitored continuously by the General Contractor.

#### **2. Monitoring Agencies.**

The General Contractor shall monitor river levels, forecasts, and additional flood data that is made available from the USGS, National Weather Service, and USACE. The following websites (this list is not all-inclusive) may be useful to the General Contractor:

- Floyd River USGS gage at County Highway C-70:  
[http://waterdata.usgs.gov/ia/nwis/uv?site\\_no=06600500](http://waterdata.usgs.gov/ia/nwis/uv?site_no=06600500)
- Missouri River water surface elevations and forecasts:  
<http://www.crh.noaa.gov/mbrfc/>
- USACE Omaha District River information:  
<http://www.nwo.usace.army.mil/Missions/WaterInformation/WaterControl.aspx>

#### **3. Ceasing Operation.**

The Contractor is responsible for monitoring river conditions and determining when it is safe or unsafe to work in low lying areas. The Contractor shall be responsible for determining the appropriate time to cease operations, and remove equipment and materials from low lying areas of the job site and from the top of the causeways. As a minimum measure, the contractor shall remove equipment and construction materials from the top of causeways if it

is anticipated that water surface elevations will come within 1 foot of the top of causeway elevation.

**4. Notification of Ceased Construction.**

The City of Sioux City and USACE representatives will be notified when the decision has been made to cease construction operations. The City of Sioux City and the USACE representatives will be notified prior to resumption of construction.

**120086.04 EMERGENCY CONTACT INFORMATION.**

**A. City of Sioux City.**

Rodney Hanson, P.E.  
Olsson Associates  
Suite 333  
Sioux City, Iowa 51102  
Phone: 712-574-3427  
Email: rhanson@olssonassociates.com  
-----

City of Sioux City  
Jade Dundas  
Public Works Director  
405 6<sup>th</sup> Street, Room 409  
Sioux City, Iowa 51102  
Phone: 712-279-6957  
Email: jdundas@sioux-city.org

**B. Iowa DOT Resident Construction Engineer.**

Dean Herbst, P.E.  
Sioux City Resident Construction Engineer  
4611 US 75 North  
Sioux City, Iowa 51108  
Phone: 712-239-1367  
Cell Phone: 515-571-7073  
Email: dean.herbst@dot.iowa.gov

**C. Iowa DOT District 3 Construction Engineer.**

Darwin Bishop, P.E.  
2800 Gordon Drive  
PO Box 987  
Sioux City, Iowa 51102-0987  
Phone: 712-274-5826  
Email: darwin.bishop@dot.iowa.gov

**D. Designer Contact.**

Al Nelson, P.E.  
HDR, Inc.  
8404 Indian Hills Drive  
Omaha, Nebraska 68114  
Phone: 402-399-1362  
Email: al.nelson@hdrinc.com

**E. USACE – Omaha District.**

Christopher Horihan, P.E.  
USACE, Omaha District  
CENWO-OD-E  
1616 Capitol Avenue  
Omaha, NE 68102  
Phone: 402-995-2700  
Email: christopher.j.horihan@usace.army.mil

**120086.05 METHOD OF MEASUREMENT AND BASIS OF PAYMENT.**

All costs for complying with this special provision shall be considered incidental to the project. No separate payment will be made.