



**SPECIAL PROVISIONS
FOR
EMERGENCY ACTION PLAN**

**Woodbury County
TAP-U-7057(700)--8I-97**

**Effective Date
May 18, 2021**

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.

157169.01 DESCRIPTION.

- A.** The project includes the construction of a new trail on the east side of the Big Sioux River immediately north of the Military Road Bridge. As a part of the project, a portion of the trail will be constructed atop and inside of the existing left bank levee and within the FEMA mapped floodplain. A portion of the construction will take place within the “critical area” of the levee system, which is defined by the U.S. Army Corp of Engineers (USACE) as the area within 300 feet riverward and 500 feet landward of the levee.
- B.** The levees affected by this construction include the left bank levee of the Big Sioux River Flood and Erosion Protection Project, which are part of the levee system originally designed and constructed by the Omaha District of the USACE in the late 1970s and early 1980s.

Levee Unit Name: Big Sioux River Flood and Erosion Protection Project
At Sioux City, Iowa
Local Sponsor: City of Sioux City, Iowa

- C.** The purpose of these Special Provisions is to maintain the integrity of the levee system and comply with the requirements of the USACE by:
- Identifying the submittals required by the Contractor for compliance with the Section 408 submittal to the USACE (a copy of the Section 408 submittals is available from the Engineer),
 - Stating the Section 408 submittal limitations on work in the levee critical area,
 - Establishing the minimum monitoring requirements, and
 - Establishing the emergency response in case of a flood event.

157169.02 CONSTRUCTION.

A. Preparation of Emergency Action Plan.

1. The proposed construction will be performed during flood and non-flood event periods. The potential does exist for the Big Sioux River to rise to flood level during the proposed construction and provisions shall be in place to prepare for and react to this potential.

2. Prior to construction, the Contractor shall prepare an Emergency Action Plan (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.

157169.03 CONTRACTOR’S EMERGENCY ACTION PLAN.

A. Contents of EAP.

1. The contents of the Contractor’s EAP will present a detailed staging plan and all provisions in the Contract Documents so that the integrity of the levee system and its ability to provide flood protection will be maintained throughout the entire duration of construction. A site map shall be provided in the EAP that identifies the location of:
 - Project and Levee Right-of-Way (provided by the Engineer),
 - Levee centerline with stationing (provided by the Engineer),
 - 500 foot landward critical area (provided by the Engineer),
 - Proposed haul routes,
 - Proposed construction within the levee critical area, and
 - Proposed levee access locations (if any).
2. The EAP shall be submitted at least 9 weeks prior to construction within the levee critical area.

B. Procedures.

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

1. Daily Monitoring.

The water level in the Big Sioux River shall be monitored on a daily basis by the Contractor and recorded in the daily construction log. The extended forecast of precipitation in the Big Sioux River drainage basin shall also be monitored and recorded in the daily construction log. The Contractor shall be able to react quickly to the required actions described in this Special Provision, if a heavy precipitation event occurs at any time of the day.

The Engineer and the Local Sponsor shall be notified if flood waters in the Big Sioux River come into contact with the levee within the construction limits.

2. Monitoring Agencies.

Flood forecasting, river flows, and river levels should be monitored on the National Weather Service website. The United States Geologic Survey (USGS) stream gage on the Big Sioux River, located on the Military Road bridge should be used as a reference for river elevations.

3. Ceasing Operation.

Three water surface elevations for work inside the levee walls have been identified in the table below.

Elevation	Description	Action
1071-1072	Normal Water Level	No Action Needed
1087.0	Water just below the lowest elevation of the proposed trail under BNSF railroad bridge.	Remove construction equipment from the lowest trail location under the bridge. Check forecast, begin stabilizing exposed levee embankments and move equipment above levee if water surface is expected to increase.
1090.0	Water at edge of bank and will soon flow onto the “Step” between the channel and levee.	Move equipment above the levee if not already done. Stabilize any exposed soils.
1091 +	Water will be flooding the “Step”	All Construction below the levee should have ceased and equipment should have been removed.

Coordinate with the Engineer, Local Sponsor, and USACE to determine timing and sequence of activities, as appropriate for returning to working following the receding of flood waters.

4. Construction Equipment.

The General Contractor shall provide a list of all construction equipment that will be present and available for emergency backfilling throughout the duration of construction within the critical area.

157169.04 EMERGENCY CONTACT INFORMATION.

A. City of Sioux City.

Ron Kueny, Local Floodplain Manager
City of Sioux City.
PO Box 447
Sioux City, Iowa 51102
Phone: 712-279-6226
Email: rkueny@sioux-city.org

Matt Salvatore, Parks and Recreation Director
City of Sioux City
550 South Lafayette St.
Sioux City, Iowa 51101
Phone: 712-224-5126
Email: msalvatore@sioux-city.org

B. Designer Contact.

Mike Danburg P.E.
SEH, Inc.
5414 NW 88th Street
Johnston, Iowa 50131
Phone: 5 1 5 -957-2372
Email: mdanburg@sehinc.com

C. USACE – Omaha District.

24-Hour Emergency Contact
Phone: (402) 995-2448
Email: cenwo-eoc@usace.army.mil

Section 408 Coordinator
Oliver Berglund
USACE – Readiness Branch
1616 Capitol Avenue, Suite 9000
Omaha, Nebraska 68102-4926
Phone: 402-995-2443
Email: Oliver.C.Berglund@usace.army.mil

D. Contractor.

Provide primary and secondary contact information for project manager, project superintendent, and foreman.

157169.05 METHOD OF MEASUREMENT AND BASIS OF PAYMENT.

All costs for complying with this special provision including the preparation of the EAP, inclusion of submittals with the EAP, project coordination, monitoring, emergency actions, and any other item associated with implementation of the EAP shall be considered incidental to the project. No separate payment will be made.