



# Iowa Department of Transportation

## SPECIAL PROVISION FOR EMERGENCY ACTION PLAN

Pottawattamie County  
IM-NHS-029-3(86)52--03-78

Effective Date  
April 17, 2012

THE STANDARD SPECIFICATIONS, SERIES 2009, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

### 090125.01 DESCRIPTION.

- A. Levee Unit Name:** Council Bluffs Levee Unit, Ag Levee L624 – 627  
Council Bluffs, Iowa Flood Risk Reduction Project
- Local Sponsor:** City of Council Bluffs, Iowa
- River Miles:** about 613.91 to 614
- Levee Stations:** about 412+75 to 513+75
- Project Name:** Council Bluffs Interstate System – Segment 2  
Reconstruction of I-29 / I-80 West System Interchange  
Council Bluffs, Iowa
- B.** The Department is proceeding with reconstruction of I-29 / I-80 West System Interchange (Segment 2) as a part of the Council Bluffs Interstate System. Segment 2 work involves construction of roadway embankments, bridge structures, and relocation of a portion of the existing levee system originally designed and constructed by the Omaha District of the U.S. Army Corps of Engineers (USACE). A large portion of the construction will take place within the “critical area” of the levee, which is defined by the USACE as the area within 300 feet riverward and 500 feet landward of the levee.
- C.** Earthwork for the interchange reconstruction will take place on both the riverside and landside of the existing levee system. Relocation of the levee involves the construction of two components:
- South Levee – an independent levee embankment and line of relief wells on the south side of I-80 which replaces a portion of the existing levee along the Indian Creek channel.
  - Ramp C Levee – which is integral with the new roadway embankment for the new Ramp C.

**090125.02 CONSTRUCTION REQUIREMENTS.**

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

Prior to construction, the Contractor shall prepare and follow an Emergency Action Plan (EAP) which shall address the requirements presented in this specification 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, superintendent, and foreman. The numbers provided shall be monitored 24 hours a day, 7 days a week.

**B. Levee Construction Staging.**

1. The work required for construction of the relocated levees shall be completed entirely on the riverside of the existing flood protection levee. Construction related to the relocated levee (earthen embankments, relief wells, seepage berms) shall be substantially complete prior to the commencement of excavations of the landside of the temporary and/or permanent relocated levee. See staging plans for additional details and requirements.
2. Approval for the substantially complete levee work will include review of:
  - a. The earthwork grading;
  - b. Compaction test results for the embankments; and
  - c. The installation and pump testing of the relief wells.
3. Work within the critical area of the relocated and existing levees shall only commence after written approval by the Engineer.
4. The Contractor shall ensure the proposed construction does not involve landward or riverward excavations in the critical area that may impact the levee at any time during construction except as shown in the contract documents.

**C. Geotechnical Information.**

Information is available in the document: "FINAL REPORT – Relocation of Council Bluffs Levee Unit, Council Bluffs Interstate System – Segment 2, Interstate 80 and 29 Interchange, Project No. IMN-029-3(67)52—13-78, Pottawattamie County, Iowa," prepared by HDR, Inc., revised dated November, 2010. This document will be made available to the Contractor. Contact the Office of Contracts, Highway Division, Iowa DOT, Ames.

**090125.03 CONTRACTOR'S EMERGENCY ACTION PLAN.**

**A. Contents of EAP.**

1. Contents of the EAP shall present a detailed staging plan and all provisions in the Contract Documents so the integrity of the levee system and its ability to provide flood protection will be maintained throughout the entire duration of construction. The EAP shall be submitted for approval by the Engineer at least 21 calendar days prior to construction commencing within the critical area.
2. The proposed construction will be performed during flood and non-flood event periods, including work on the top, riverside, and landside of the existing levee. The potential does exist for the river to rise to flood level 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 water level of the Missouri River shall be monitored daily by the Contractor and the Iowa DOT. The extended forecast of future river levels shall also be monitored.

**2. Monitoring Agencies.**

River level shall be monitored through USGS and National Weather Service websites for River Gage - 06610000 Missouri River at Omaha, NE.

- [http://waterdata.usgs.gov/ne/nwis/uv/?site\\_no=06610000&](http://waterdata.usgs.gov/ne/nwis/uv/?site_no=06610000&)
- <http://www.riverwatch.noaa.gov/forecasts/OAXRDOAX.php>

**3. Ceasing Operation.**

Construction operations shall cease in the event the river levels are within 5 feet of published flood level of 29 stage feet (Elevation 974.4 feet). The 100-year flood elevation at this location is 982.7 feet and the 500-year flood elevation is 984.0 feet.

**4. List of Construction Equipment.**

The Contractor shall provide a list of construction equipment that will be present throughout the duration of construction within the critical area.

**5. Removal and Relocation.**

Equipment, construction materials, and stockpiled soils shall be removed in the event of high water and relocated to the landside of the levee during high water events.

**6. Notification of Ceased Construction.**

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

**090125.04 EMERGENCY CONTACT INFORMATION.**

**A. City of Council Bluffs.**

Jeff Krist, P.E.  
City of Council Bluffs, Public Works Department  
290 Pearl Street  
Council Bluffs, Iowa 51503  
Telephone: 712.328.4635 (office)  
Email: [jkrist@councilbluffs-ia.gov](mailto:jkrist@councilbluffs-ia.gov)

Pat Miller, Operations Manager  
Telephone: 402.510.2700 (cell)

Chuck Pendegraf, Levee Superintendant  
Telephone: 402.510.3675 (cell)

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

Iowa Department of Transportation  
3538 S. Expressway  
Council Bluffs, Iowa 51501  
Telephone: 712.366.0568 (office)  
Email: to be provided at Preconstruction Conference

**C. Iowa DOT District 4 Construction Engineer.**

George Feazell, P.E.  
2210 East 7th Street  
Atlantic, Iowa 50022  
Telephone: 712.243.3355 (office)  
Email: [George.Feazell@dot.iowa.gov](mailto:George.Feazell@dot.iowa.gov)

**D. Designer Contact.**

Patrick H. Poepfel, P.E.  
Levee: HDR, Inc.  
8404 Indian Hills Drive  
Omaha, Nebraska 68114  
telephone: 402.399.1368 (office)  
Email: Patrick.Poepfel@hdrinc.com

**E. USACE – Omaha District.**

Pam Graham  
USACE – Readiness Branch  
1616 Capitol Avenue, Suite 9000  
Omaha, Nebraska 68102-4926  
Telephone: 402.995.2443 (office)  
Email: pamela.s.graham@usace.army.mil

**090125.05 METHOD OF MEASUREMENT AND BASIS OF PAYMENT.**

Costs for complying with this specification shall be considered incidental to the contract. Separate payment will not be made.