



**SPECIAL PROVISION
FOR
EMERGENCY ACTION PLAN**

**Pottawattamie County
IMN-029-3(126)48--0E-78**

**Effective Date
May 15, 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.

090203.01 DESCRIPTION.

- A. Levee Unit Name:** Ag Levee L-624, Section 3 (Mosquito Creek Levee)
Missouri River - Council Bluffs Flood Protection
- Local Sponsor:** City of Council Bluffs, Iowa
- River Miles:** M0.00 to about M1.69
- Levee Stations:** 1036+37R, 1042+60R and 1064+80R
- Project Name:** Council Bluffs Interstate System – Segment 3
Reconstruction of I-29 / I-80 East System Interchange
and Railroad Consolidation
Pottawattamie County, Iowa
- B.** The Iowa Department of Transportation is proceeding with the reconstruction of the I-29 / I-80 East System Interchange (Segment 3) as a part of the Council Bluffs Interstate System. The work for Segment 3 involves the construction of new roadway and railroad embankments, bridge structures and drainage culverts that will penetrate the earthen embankment and foundation soils of the Mosquito Creek Levee. The levees affected by this construction include the Council Bluffs Levee Units and Agricultural Levees L-624 and L-627, which were a part of the Council Bluffs Flood Protection System that was originally designed and constructed by the Omaha District of the U.S. Army Corps of Engineers (USACE) in the early 1950's. A large portion of the interstate reconstruction and the railroad consolidation 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.

The work covered by this Emergency Action Plan addresses the three (3) levee penetrations with new drainage culverts at Stations 1036+37R, 1042+60R and 1064+80R in Section 3 of Ag Levee Unit L-624 along Mosquito Creek.

090203.02 CONSTRUCTION REQUIREMENTS.

A. Preparation of Emergency Action Plan.

Prior to construction, the General Contractor shall prepare and follow 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.

B. Levee Construction Staging.

1. All construction related to the temporary earthen levee (earthen embankments) must be substantially complete prior to the commencement of any excavations of the landside of the existing 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 of the new culverts.
3. Excavation of the existing levee can only commence after written approval by the Engineer. Written approval will be granted after the temporary earthen levee for each levee penetration has been constructed and accepted by the Engineer.
4. The General Contractor shall ensure that the proposed construction will not involve any additional landward or riverward excavations in the critical area that may impact the levee at any time during construction except as shown in the approved plans and specifications.

C. Geotechnical Information.

The geotechnical information for the levee construction is provided in the document entitled "Modifications to Agricultural Levee L-624 – Proposed Levee Crossings with New Drainage Culverts, Council Bluffs Interstate System – Segment 3, Project No. IM-029-2(55)49—13-78, Pottawattamie County, Iowa," prepared by HDR, Inc., dated October 3, 2011. This document will be made available to the Contractor. Contact the Office of Contracts – Highway Division – Iowa D.O.T. – Ames.

090203.03 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. The Contractor's EAP shall be submitted for approval by the Engineer at least 21 days prior to construction within the critical area.
2. The proposed construction will be performed during flood and non-flood event periods, including the 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 in the Missouri River shall be monitored on a daily basis by the General Contractor and the Iowa DOT. The extended forecast of future river levels shall also be monitored.

2. Monitoring Agencies.

The 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://www.riverwatch.noaa.gov/forecasts/OAXRDOAX.php>

3. Ceasing Operation.

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

4. List of Construction Equipment.

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

5. Removal and Relocation.

All equipment, construction materials and stockpiled soils will 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 will be notified when the decision has been made to cease construction operations. The City of Council Bluffs and the USACE representatives will be notified prior to resumption of construction.

090203.04 EMERGENCY CONTACT INFORMATION.**A. City of Council Bluffs.**

Jeff Krist, P.E.
City of Council Bluffs, Public Works Dept.
290 Pearl Street
Council Bluffs, Iowa 51503
Phone: 712-328-4635 (office)
Email: jkrist@councilbluffs-ia.gov

Pat Miller, Operations Manager
Phone: 402-510-2700 (cell)

Chuck Pendegraf, Levee Superintendent
Phone: 402-510-3675 (cell)

B. IDOT Resident Construction Engineer.

Iowa Department of Transportation
3538 S. Expressway
Council Bluffs, Iowa 51501
712-366-0568
Email: Provided at Preconstruction Conference

C. IDOT District 4 Construction Engineer.

George Feazell, P.E.
2210 East 7th Street
Atlantic, Iowa 50022
712-243-3355
Email: George.Feazell@dot.iowa.gov

D. Designer Contact.

Patrick H. Poepsel, P.E.
HDR, Inc.
8404 Indian Hills Drive
Omaha, Nebraska 68114
Phone: 402-399-1368
Email: Patrick.Poepsel@hdrinc.com

E. USACE – Omaha District.

Chris Horihan, P.E.
USACE – Readiness Branch
1616 Capitol Avenue, Suite 9000
Omaha, Nebraska 68102-4926
Phone: 402-995-2700
Email: Christopher.j.horihan@usace.army.mil

090203.05 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.