



Iowa Department of Transportation

SPECIAL PROVISIONS FOR EMERGENCY ACTION PLAN

Pottawattamie County
IM-NHS-080-1(428)0--03-78

Effective Date
June 18, 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.

120059.01 DESCRIPTION.

- A. Levee Unit Name:** Agricultural Levee Unit L-627 – Section 1
Missouri River - Council Bluffs Flood Protection
- Local Sponsor:** City of Council Bluffs, Iowa
- River Miles:** M10.6
- Levee Stations:** 501+01
- Project Name:** Council Bluffs Interstate System – Segment 2
Reconstruction of I-29 / I-80
Pottawattamie County, Iowa
- B.** The Iowa DOT is proceeding with the reconstruction of the I-29 / I-80 West System Interchange (Segment 2) as a part of the Council Bluffs Interstate System. The work for this project consists of an extension RCB culvert through the levee.
- C.** The levee affected by this construction is Agricultural Levee Unit L-627, which was 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. The levee was altered in the 1960's as part of the interstate construction.

120059.02 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 superintendant and foreman. The numbers provided shall be monitored 24 hours a day, 7 days a week.

B. Approval for the Substantially Complete Levee Work will Include Review of:

1. The earthwork grading and
2. Compaction test results for the RCB culvert backfill.

C. Construction Limitations.

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.

D. Survey.

The General Contractor shall survey the levee in the area RCB culvert extension and 50 feet beyond along the levee. The levee shall be surveyed prior to construction of culvert extension and after completion of the RCB culvert extension. The results of the survey should be provided to the Engineer prior demobilization. Areas determined to be deficient by the Engineer shall be immediately restored to the original existing condition and confirmed by survey. Survey information should be reported in a table format with levee stations and elevations presented along the levee centerline at 25 foot intervals.

120059.03 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 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 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 / Emergency Backfilling.

During construction of the RCB culvert extension, if the river level reaches an elevation within 3 feet of the base of any excavation or as directed by the USACE, construction operations will cease. If the river level reaches an elevation within 1.5 feet of the base of any excavation, or as directed by the USACE, emergency backfilling shall be commenced. A temporary plug shall be placed in the RCB culvert prior to emergency backfilling. The rate of

emergency backfilling shall exceed the rate of the rising river. Soils stockpiled by Iowa Department of Transportation for backfill of the RCB culvert extension shall be used as emergency backfill.

The contractor shall store temporary plugs on the site close to the RCB culvert. The method and materials to plug the RCB culvert shall be submitted as part of the EAP.

Emergency backfilling shall consist of reestablishment of the original USACE mitigation as depicted on Sheets C-301 and C-302 included with this Special Provision or as directed by the USACE.

Moderate compactive effort with a dozer or compactor will be required during the emergency backfilling.

The City of Council Bluffs and the USACE representatives will be notified prior to resumption of construction.

4. 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. 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.

120059.04 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 Superintendant
Phone: 402-510-3675 (cell)

B. IDOT Resident Construction Engineer

David Dorsett, P.E.
3538 S. Expressway
Council Bluffs, Iowa 51501
Phone: 712-366-0568
Email: David.Dorsett@dot.iowa.gov

C. IDOT District 4 Construction Engineer.

George Feazell, P.E.
2210 East 7th Street
Atlantic, Iowa 50022
Phone: 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.Poepfel@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

120059.05 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.



