



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, CHICAGO DISTRICT
231 SOUTH LASALLE STREET SUITE 1500
CHICAGO, IL 60604

July 30, 2021

SUBJECT: 2021 Marshalltown Routine Inspection Report and Burr Periodic Inspection Report

Mr. Dan Repay
Little Calumet River Basin Development Commission
900 Ridge Road, Suite H
Munster, IN 46321

Dear Mr. Repay:

This letter is to transmit to you our findings from the routine inspection of the Marshalltown Levee and periodic Inspection of the Burr Street Levee System conducted in April 2021. The reports consist of the standard Inspection Checklist, photos taken during the inspection, and a map showing the locations of areas for your attention. As part of the Periodic Inspection performed this year, Non-Project Segments (NPS), consisting of man-made features that tie into the federal project and provides flood protection the community, were inspected as well. The ratings of the Non-Project Segments (NPS) do not affect the overall system rating and are included for your information. All interim eligibility criteria for determining eligibility in the Rehabilitation Program have been met for all levee segments and therefore are considered 'Active' in the P.L. 84-99 program. The ratings are summarized below.

Segment/System	Preliminary Inspection Rating	Rehabilitation Program Status
Marshalltown	Minimally Acceptable	Active
Gary Burr	Minimally Acceptable	Active
Griffith	Minimally Acceptable	Active
Griffith River Road (NPS)	Unacceptable	N/A

As a reminder, the inspection ratings will be posted to the National Levee Database (NLD) at <https://levees.sec.usace.army.mil/> and available to the public. The attached reports are considered 'For Official Use Only' (FOUO) and will only be available to authorized individuals.

The purpose of the U.S. Army Corps of Engineers (Corps) Levee Safety Program is to make sure levee systems are reliable and do not present unacceptable risks to the public, property or the environment, with the emphasis on public safety. Two important principles that guide our program are the shared responsibility among partners at all

levels for levee safety and the need for continuous and periodic project inspections and assessments.

The Burr Street Levee System protects 352 acres that includes residential and business properties. The population at risk behind the leveed area for the Burr Street Levee System is 569 during the day and 724 during the night. The estimated property damages behind the leveed area is \$112 million. The overall risk of the project is considered low.

The Marshalltown Levee System protects 7 acres of residential area. The population at risk behind the leveed area for the Burr Street Levee System is 428 people. The overall risk is considered low. The estimated property damages behind the leveed area is \$43 million. The overall risk of the project is considered low.

The new Levee Safety Engineer Circular (EC 1165-2-218) has been published. Camera inspections were required to be performed every 5 years. This document establishes the policies for implementing the U.S. Army Corps of Engineers (USACE) Levee Safety Program, and describes USACE activities, roles, and responsibilities for federally authorized levees. This document also describes activities that sponsors are required to conduct or participate in consistent with their project agreements. There are changes to some of the terminology and processes so please reach out if you have any questions. The guidance was finalized on 22 April 2021 and can be found at: https://www.publications.usace.army.mil/Portals/76/Users/182/86/2486/EC%201165-2-218.pdf?ver=Gm_2vTnybm3P4xgmb5vUbw%3d%3d.

The Project Cooperation Agreement requires that the communities be informed of the limitations of protection provided by the project and that the levee is only part of an overall plan to manage their flood risks. It is requested that you provide us documentation of your outreach and notifications for our records.

Camera inspections were required to be performed every 5 years. Recently, the U.S. Army Corps of Engineers (USACE) updated Engineer Manual (EM) 1110-2-2902, Conduits, Pipes, and Culverts Associated with Dams and Levee Systems. This manual provides guidance for many aspects of culverts and pipes through levees, especially: Inspections (frequency, methods [CCTV, sonar], and third-party pipes); and Repair and Rehabilitation (routine maintenance, slip-lining, etc). The manual was finalized on 31 December 2020 and can be found at: <https://www.publications.usace.army.mil/Portals/76/Users/182/86/2486/EM%201110-2-2902a.pdf?ver=6N64KR0IND2lmoG3X1LFhg%3d%3d>. The frequency for future inspections will be determined by the pipe's condition assessment rating. The sponsor's method for visual inspection will be required to follow the updated guidance.

Deficiencies noted in the inspection reports should be addressed to ensure significant performance problems do not develop. Risk management recommendations

are included in the Burr Street Periodic Inspection Report. We remain available to discuss the deficiencies and appropriate repairs measures or other technical questions that you may have. Please be sure to coordinate with our office to have any work near the project reviewed and approved before allowing any work to proceed. Our reviews are to ensure the integrity of the project is not compromised by the proposed work and the project will continue to function as designed. Alterations will be reviewed under the Section 408 program.

For any questions regarding these findings, please contact Ms. Yuki Galisanao by phone at 312-846-5458 or by e-mail at Yuki.J.Galisanao@usace.army.mil. We will coordinate with you for the next Routine Inspections planned for spring 2022.

Sincerely,

Robert Paluch

Bob Paluch, P.E
Emergency Management
Chicago District
U.S. Army Corps of Engineers

Enclosures:

1. Marshalltown Inspection Checklist
2. Gary Burr Inspection Checklist
3. Griffith Inspection Checklist
4. Griffith River Road Inspection Checklist
5. Burr Street Levee System Periodic Inspection Report
6. Outbrief presentations for Marshalltown and Burr