

# Levee Risk Management Summary (LRMS)

Date: N/A



**Purpose:**

The levee risk management summary details prioritized recommendations for operation, maintenance, repair, replacement, and rehabilitation (OMRR&R) for each levee system. It is based on best available levee information from formal and special inspections, site visits, and risk assessments. Recommended actions may pertain to only one segment, or they might apply to several or all segments in the system and are prioritized based on anticipated impact to overall levee system risk.

<b>Levee System Name:</b> Munster	<b>Levee System ID:</b> 2605000006
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<b>USACE Districts:</b> Chicago District
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<b>Levee Segment Name, ID:</b> Munster, 2604000009	<b>Segment Sponsor(s):</b> Little Calumet River Basin Development Commission
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<b>Other Levee Segment Names, IDs:</b> NPS - Borman, 2604000018	<b>Other Segment Sponsors:</b> INDOT
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**Levee System Risk Summary:**  
The table below summarizes the risk of the levee system based on the most recent risk assessment.

Risk Assessment Type	Risk	Assessment Date
Screening Level Risk Assessment	Low	7/2/2019

**Levee Performance and Potential Lost Benefits:**

USACE Chicago District conducted a risk assessment of the Munster Levee in 2014 and the Borman NPS in 2018. The overall risk was considered low. Munster experienced flooding prior to the construction of the federal levees during the 2008 flood of record due to a breach of existing spoil-bank levees. The federal levees have performed well since constructed. The potential flooding from overtopping and prior to overtopping are similar. There are minor performance Issues such as encroachments and vegetation. During the high water event in 2018, excessive leakage was observed through a section of floodwall east of Calumet Ave. Evacuation effectiveness is good due to the community being very aware of the levee's role in flood risk reduction, good evacuation planning, and effective flood warning systems. However, traffic congestion can be an issue due to high density population. The two levee segments work together to protect over 4,600 people that live and work behind the levee. A breach could result in flooding depths up to 10 feet, loss of life, and \$162 million in economic damages. The Borman NPS is a robust highway embankment with a wide crest that is much higher than the required design elevation. There would be regional impacts from flooding of the Frank Borman Expressway (I-80/94), which is one of the most heavily used truck routes in the United States.

**Recommended Actions - List in Priority Order**

Priority	Tracking No.	FY	Category	Recommendation	Responsible Party	Applicable Segment	Status	Notes
High	MU-01	2024	Performance	There are multiple encroachments near or on the levee from residents. Continue educating the residents about the importance of the levee and to stay out of the easement. Work with the 408 coordinator for assistance.	Little Calumet River Basin Development Commission	2604000009	In Progress	N/A
Moderate	BM-01	2024	Performance	Continue working with INDOT so they are aware their structure is providing protection. Ensure they provide assistance as needed.	Little Calumet River Basin Development Commission	2604000018	In Progress	N/A

**Risk Management Summary Approval**

Approved By: [Name / Title]: Yuki Galisanao / Levee Safety Program Manager

Signature: Yuki Galisanao

Date Approved: 2024-07-25