



# US Army Corps of Engineers

## Flood Wall Phase 3B

Total Contracts: \$9,400,000  
Project Start: May 2018  
Project Completion: December 2019



Resourceful.



Responsive.



Results.



INDIANAPOLIS  
INDIANA





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Flood Wall Phase 3B / Indianapolis, IN  
Total Contracts: \$9,400,000 / 2018- 2019

This project for the USACE and Indianapolis DPW was the final phase of the Indianapolis North White River Flood Damage Reduction Project levee designed to control flooding of the White River. The new 4,300 ft. long floodwall is located along Westfield Blvd., south of Illinois St., and through Butler University's campus. The scope of work included sheet piling, decorative concrete floodwalls, mechanical floodwalls, two sewer isolation gate structures, a gate structure across the Indianapolis Canal, and a paved multi-use trail.

Additional scope items included:

- Designed and installed cofferdams for work in Indianapolis Canal
- Coordinated outages of gas, water, and sewer utilities to pass through the floodwall
- Bypassed 36" gravity sewer
- Decorative concrete staining and anti-graffiti coating
- Trail lighting system, coordinated with Indy DPW and Butler University
- Underwater work for cofferdams removal and gate structure construction

## Project Challenges:

- Limited Space Onsite for Access & Material Storage
- Working close with the public
- Protection of waterways

## Bowen Resourceful:

- Identified design issues ahead of schedule and coordinated solutions to prevent delays
- Developed detailed logistics plan and sequenced work activities and deliveries to maximize efficient use of space and prevent logistical conflicts

## Bowen Responsive:

- Coordinated with City to develop and implement detours and communicated with local neighborhood associations to provide updates on project schedule
- Coordinated with City and Utilities to develop and implement pollution control plan

## Bowen Results:

- Zero Injury, Zero Incident, Successful Outage Work

*"I am a neighbor near the Westfield Boulevard area. Your employees have impressed many of us, not only with their working through all weather conditions, but also by constructing a wonderful, and quite lovely, flood wall from 56th Street to Butler University. I had no idea it would be such an attractive addition to our neighborhood, and I am deeply grateful!"*

## PROJECT SCOPE

- Site Work
- Civil/Concrete Work
- Underground Piping
- Equipment Setting
  - 650 LF of passive mechanical floodwall
  - 355 SF of stop logs
  - (4) 108x60 Sluice Gates
  - (1) 72x72 Sluice Gate
  - (1) 36x36 Sluice Gate
- Architectural/Finishing Work
- Underwater Work

## PROJECT SPECS

- 10,000 CY Excavation & Backfill
- 67,000 SF of Sheet Piling
- 4,300 LF of continuously interlocked sheet piling
- 3,800 CY of Concrete
- 130 Tons of Rebar
- 65,400 SF of Formwork
- 6,000 LF of paved multi-use trail
- 3,500 LF of decorative concrete wall

## PROJECT TEAM

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