

BRANDON ROAD INTERBASIN PROJECT (BRIP)

Great Lakes Panel on Aquatic Nuisance Species

Briefers: Scott Whitney
BRIP Program Manager

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BRANDON ROAD INTERBASIN PROJECT

Overview Illustration



CONST. INCREMENT I-A

- Automated Barge Clearing Deterrent
- Leading Edge Bubble Deterrent
- Leading Edge Acoustic Deterrent Array
- Leading Edge Support Facilities
- Upstream Boat Launch

CONST. INCREMENT I-B

- Site Prep
- Channel Rock Excavation

CONST. INCREMENT II

- Electric Deterrent
- Large Acoustic Deterrent Array
- Support Facilities
- Engineered Channel floor & walls for the electric & large acoustic deterrents
- Flushing Lock
- Downstream Boat Launch

CONST. INCREMENT III

- Finish Engineered Channel
- Connect RDB Wall to Lower Guidewall





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DESIGN AND CONTRACTING ACTIVITIES - OVERVIEW

1. Increments IA-IB

- a. Contract awarded for advance site prep and rock removal to be performed 5 Jan-15 Apr 2025. Groundbreaking ceremony 11 Feb 2025 (1200-1330)
- b. Contract solicitation for remainder of the work expected in Jan 2025 with award and mobilization in Summer 2025. Groundbreaking Ceremony 11 Feb (1200-1330)

2. Increment II Designs

- a. Solicitation for this Design Contract scheduled in Jan 2025 with award and mobilization in Summer 2025.
- b. Inhouse Designs ongoing for Flushing Lock, RDB Guidewall and Eletrical Barrier Pulsars

3. Stakeholder Communication and Coordination

- a. Next Quarterly Stakeholder Newsletter/Webinar (Jan 2025)
- b. Project website: <https://www.mvr.usace.army.mil/Missions/Environmental-Stewardship/BR-Interbasin-Project/>



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Construction Increments I-A and I-B Site Features



**IA/IB Tentative
Construction
Schedules**

IB (Expedited):

Solicitation: 18 OCT 2024
 Award: 27 NOV 2024
 Const. Start: 5 JAN 2025
 Complete: 15 APR 2025

IA/IB (Remainder):

Solicitation: JAN 2025
 Award: JUN 2025
 Const. Start: SEP 2025
 Complete: SEP 2028



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PROJECT STRATEGIC RISKS

- 1) Stakeholders Support and Efficient Funding
- 2) Construction Schedule (Nav Closures/Recovery biggest constraint)
- 3) Completing Design for Increment II (greatest cost and schedule challenges)
- 4) “Pioneer” Aquatic Nuisance Species
- 5) Operational Performance and Safety Factors

PROJECT CURRENT RISKS

- 1) Construction Contract Solicitation and Award for Increment IA
- 2) IB Rock Removal Mobilization and Alignment with Lockport 8-wk closure period (28 Jan-25 Mar 2025)
- 3) Increment II SATOC SCO Review and Approval by 8 Jan to allow mid Jan Solicitation
- 4) Land Rights to Riverbed (15 Jan) and Right Descending Bank (Feb)
- 5) Geotechnical/HTRW explorations of RDB (Feb) for RDB Design and Remediation



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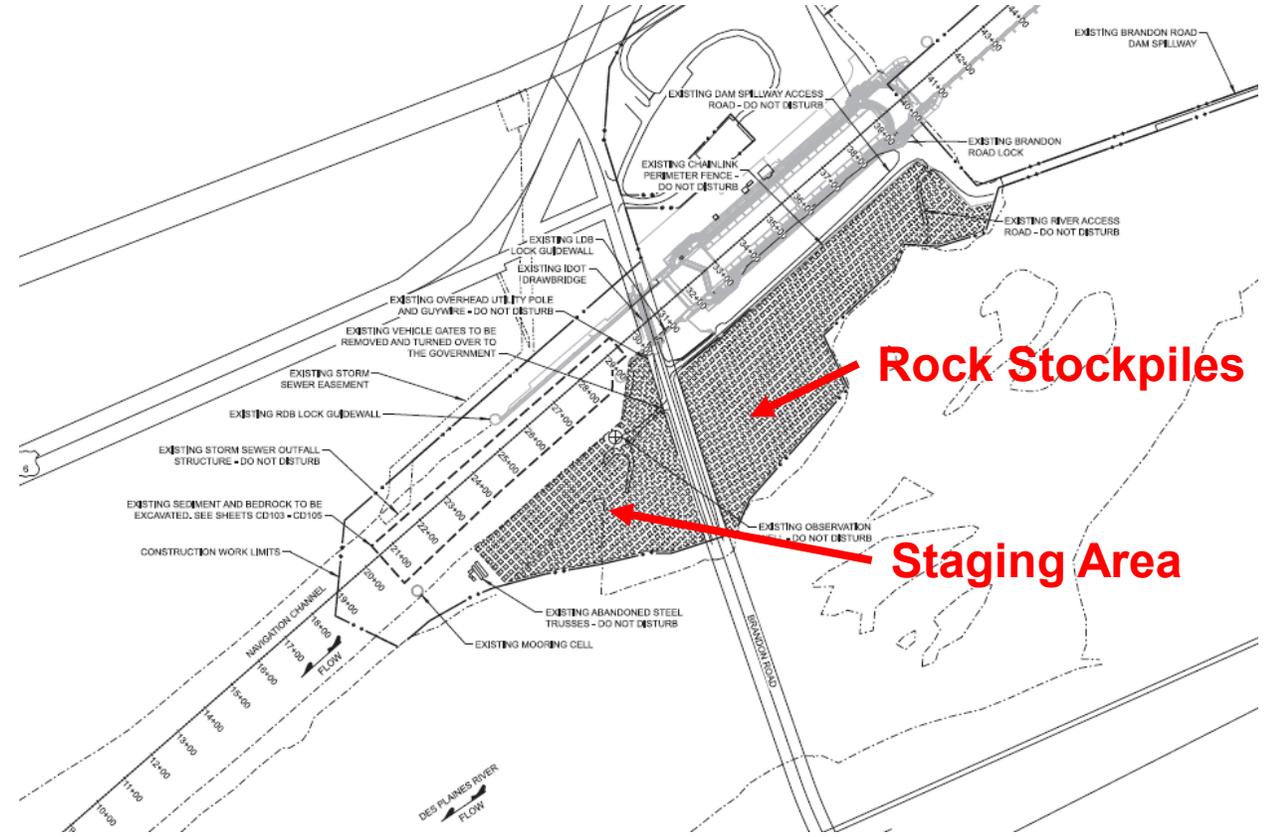
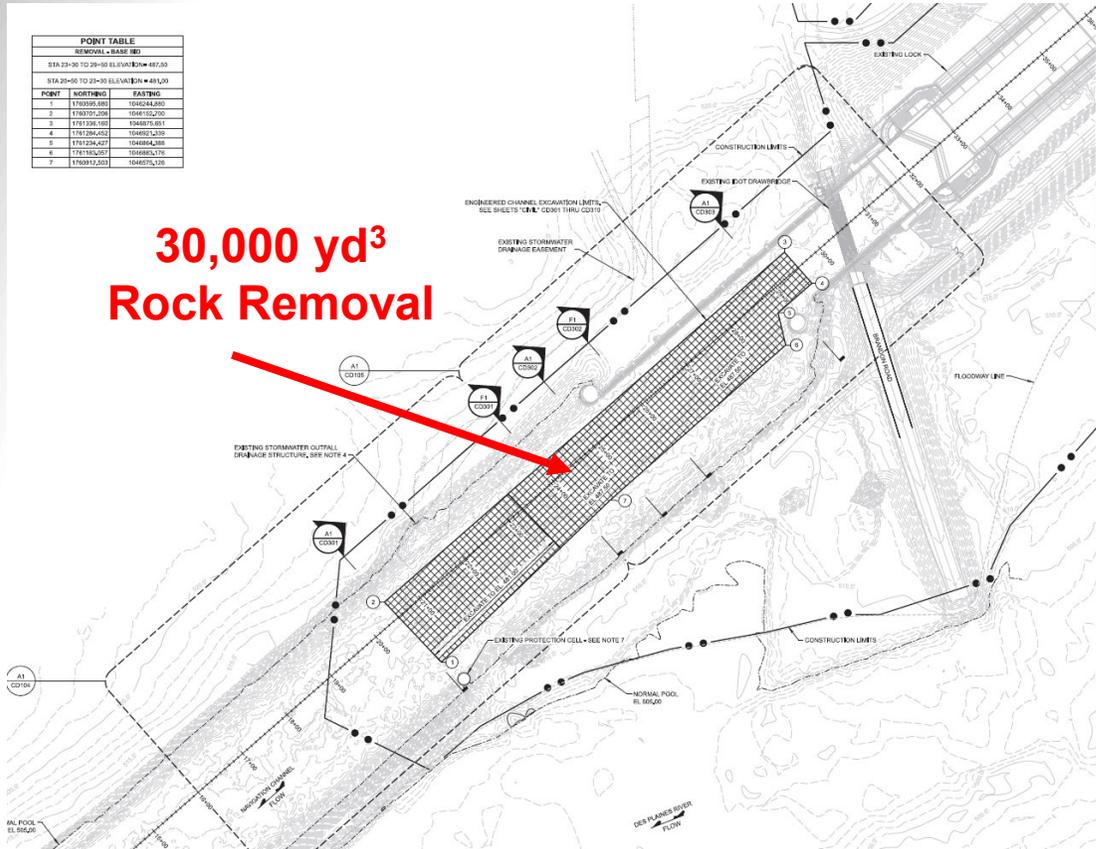
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Increment IB (Expedited)



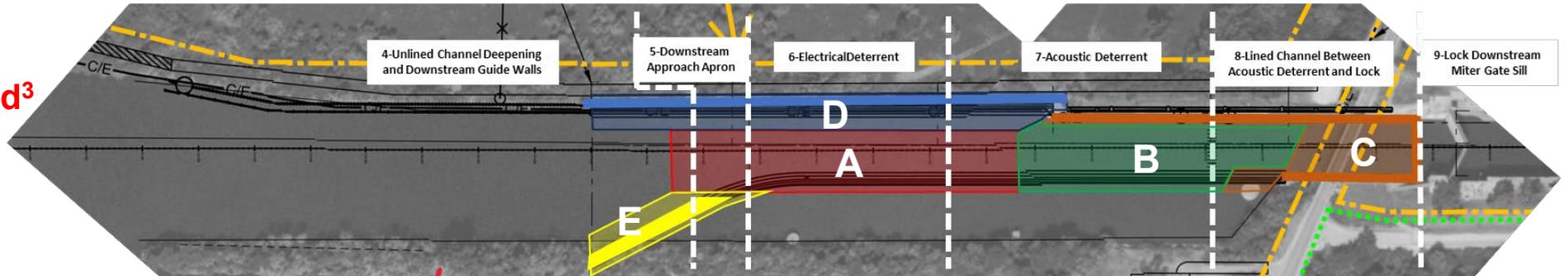
POINT TABLE		
REWORK - BASE 88		
STA 23+00 TO 29+50 ELEVATION = 487.00		
STA 29+50 TO 32+50 ELEVATION = 481.00		
POINT	NORTHING	EASTING
1	176209.883	104244.860
2	176209.298	104812.209
3	1761308.183	1048975.951
4	1761284.252	104892.239
5	1761284.257	104896.408
6	1761824.257	1048882.178
7	1760812.203	1048975.08

**30,000 yd³
Rock Removal**



Rock Removal Zones

- (A+B) – 1000yd³ = 30K yd³
- D = 16,000 yd³ (Option)
- C & E during Inc II





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Construction Increment I-A - Leading Edge Deterrents

