International Boundary
& Water Commission
United States Section

IOI Rehabilitation
February 10, 2022
What is the Nogales Trunkline and IOI?

- Nine mile long pipeline carrying transboundary wastewater flows from Nogales, Sonora, Mexico and Nogales & Rio Rico, Arizona to the Nogales International Wastewater Treatment Plant (NIWTP).
  - Trunkline – Original 1.5 mile main collector line replaced and enlarged in 1971
  - IOI – 1971 Extension from original to relocated plant
  - Consists of unreinforced and reinforced concrete pipe ranging in size between 24-42 inches in diameter.
- Roughly 12 MGD of treated water from the plant is an important contribution to the Santa Cruz River basin which supplies water for drinking, ranching, farming and other activities critical to the Arizona economy. The river also sustains habitat critical to migratory species.
Nogales Trunkline and IOI Projects Phasing

• Phases 1-3: Rehab of 5.3 Miles of piping and 56 manholes
  • Construction Award: 7/13/21
  • Contractor: SAK Construction
  • Cost: $13.8 Million
  • Includes Wash repairs at MH 86 and 93 for IOI protection

• Phases 4 & 5: Rehab of 3.4 Miles of piping and 38 manholes
  • Solicitation upcoming Spring 2022
  • Expected Construction Award Date: 9/30/22
  • Anticipated Construction Completion: 2024
Nogales Project Groundbreaking

- Ceremony at NIWTP (Phase 1) held January 28, 2022
- Speakers included
  - US and Mexican Section Commissioners
  - Director of ADEQ
  - City of Nogales Mayor Garino
  - Representative from Congressman Grijalva and Governor Ducey’s office
Rehabilitation Phases 1-3 Status Update

- Construction Completion Required: 10/29/23
- Preparation of preconstruction submittals and permits (City of Nogales, UPRR & 404/401)
- Anticipated Construction Start: February 2022
- Install CIPP starting at Phase 1 by plant and work upstream
  - Phase 1 to start February 2022
  - Phase 3 to start August 2022
  - Phase 2 to start January 2023
- Wash repairs at MH 86 and MH 93 to start February/March 2022
Construction Requirements Status Update

City of Nogales (CON) Requirements:

Right of Entry
• Required before Contractor can enter the City’s right of way along the existing pipeline of the Trunkline and IOI
• Agreement finalized December 2021

Bypass Plan Approval
• CON review and approval of bypass piping plan for Phase 2 in progress
• Meetings held to discuss and address CON concerns
• SAK revising bypass plan and will resubmit
• Pending information from CON for existing waterline by Public Works Building and any additional permits required

Traffic Control Approval
• CON review and approval of traffic control plan for Phase 2 pending SAK submission of plan
Construction Requirements Status Update

UPRR Permit - Contractor Right of Entry (ROE) Status

• Contractor must obtain their Right of Entry to enter the UP ROW for either rehab or Wash repairs under the USIBWC permit
• Contractor ROEs for Wash Repairs Approved in 2021
• Contractor ROE for CIPP and Manhole Rehab Phase 2 Approved 2021
• Contractor ROE for CIPP and Manhole Rehab Phase 1 in progress – addressing comments for bypass crossing under tracks

Environmental Clearance for Wash Repairs

• Requirements under the USACE Nationwide Permit (NWP) No. 13, Bank Stabilization
• Coordination with USFWS for mitigation measures to protect endangered species in the Potrero Creek – awaiting their concurrence
Construction Requirements Status Update

Temporary Construction Easements Status

• Required agreements for use of properties for access or staging along the existing pipeline easement
• Phases 1 & 3 have 11 easements within private properties shown
  • 10 easements finalized
  • 1 owner reviewing agreement
Wash Repairs at Manholes 86-87

- Riprap installation along bank
- Concrete encasement of bare pipeline in Wash between Manhole 86-87
Wash Repairs at Manhole 93

- Backfill the bank
- Cover exposed manhole risers
- Provide concrete swale for proper drainage of CMP to Wash
- Gabion installation along Wash
Questions?

Additional questions may be sent to:
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