COLORADO RIVER CITIZENS FORUM

OF THE

US SECTION OF THE INTERNATIONAL BOUNDARY AND WATER COMMISSION

NEW RIVER IMPROVEMENT PROJECT

October 24, 2018

Adriana Godinez

Water Resource Control Engineer

California Regional Water Quality Control Board-Colorado River Basin
PRESENTATION OVERVIEW

• BORDER POLLUTION PROBLEMS
• NEW RIVER IMPROVEMENT PROJECT
• CRWQCB (R7) BORDER ACTIVITIES REPORT
• SUMMARY
EMERGING PROBLEMS IN MEXICALI
### EMERGING PROBLEMS

<table>
<thead>
<tr>
<th>Key Sewage Infrastructure</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Pumping Plants</td>
<td>12</td>
</tr>
<tr>
<td>Lift Stations</td>
<td>27</td>
</tr>
<tr>
<td>Sewage collectors</td>
<td>1,875 mi</td>
</tr>
<tr>
<td>Wastewater Treatment Plants</td>
<td>2</td>
</tr>
<tr>
<td>Sewer Vacuum Trucks</td>
<td>2</td>
</tr>
</tbody>
</table>
EMERGING PROBLEMS (CONT.)

• 2013
  • Pumping Plant problems
  • Sewage collectors
  • Operation and maintenance equipment
    • Threatened discharges of raw sewage into New River

• 2014
  • 3 discharges of raw sewage into New River
  • Brought problems to IBWC’s and USEPA’s attention
EMERGING PROBLEMS (CONT.)

• 2015
  • Policy meeting with USEPA, US IBWC, IID, County, State
    • Feds funded study to better characterize problems
  • 3 discharges of raw sewage (5-20 mgd)
  • Mexico rebuilds Pumping Plant No. 3

• 2016
  • More discharges of raw sewage
  • Study completed and draft report released to BTC
    • Key infrastructure at or beyond its useful life
    • O&M needs
    • Cost to address problems $75M-$80M
MEASURES TO DEAL WITH DISCHARGES

• 2016 Policy meeting of US BTC members
  • USEPA & NADBank
    • Allocated ~$330,000 for bypass equipment
      • Dec 2017: contractor starts delivering equipment
      • May 2018: all equipment delivered and deployed

• Other CESPM’s actions
  • Bought additional O&M equipment
  • Building temporary pumping facilities
  • Mitigating/preventing most discharges
DISCHARGES

• June 6, 2018
  • Pumping Plant No. 4
  • 1 million gal
  • 70 minutes
  • Electrical Failure

• August 16, 2018
  • Madero Lift Station
  • 47,550 gal
  • 3 hr 20 minutes
  • Pump Failure
NEW RIVER IN IMPERIAL VALLEY
KEY COMPONENTS
* RIVER REACHES
* STRUCTURAL CONTROLS
* NON-STRUCTURAL CONTROLS
<table>
<thead>
<tr>
<th>Task</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final trail alignment alternative selected</td>
<td>Complete</td>
</tr>
<tr>
<td>Environmental Studies (NES [MI])</td>
<td>Complete</td>
</tr>
<tr>
<td>CEQA documents submitted for public review</td>
<td>Complete</td>
</tr>
<tr>
<td>CEQA documents (MND) approved and recorded</td>
<td>Complete</td>
</tr>
<tr>
<td>35% engineering design documents prepared</td>
<td>Complete</td>
</tr>
<tr>
<td>90% design documents</td>
<td>Complete</td>
</tr>
<tr>
<td>Request release of construction $’s from Caltrans</td>
<td>Complete</td>
</tr>
<tr>
<td>100% Construction documents prepared</td>
<td>Complete</td>
</tr>
<tr>
<td>Prepare construction bid documents</td>
<td>Complete</td>
</tr>
<tr>
<td>Public Bid Notice for construction or parkway</td>
<td>Dec 2018</td>
</tr>
<tr>
<td>Award construction contract</td>
<td>Jan/Feb 2019</td>
</tr>
<tr>
<td>Begin phased construction of parkway</td>
<td>Mar/Apr 2019</td>
</tr>
</tbody>
</table>
NEW RIVER IMPROVEMENT PROJECT

• Phase 1
  • Design of trash screen, conveyance, pump-back system
  • Environmental documentation
  • Awarded MBI Phase 1 Contract in March 2018
    • 90% deliverable accomplished as scheduled
    • Completing Phase 1 by October 31, 2018

• Phase 2
  • Construction
SCOPE OF CONTRACT

Trash Screen

• Fully automated
• Remove 1 ton/day of domestic trash

Bypass Encasement

• Commence near International Boundary
• Outfall east of All-American Canal

Pump Back System

• 5.0 million gallons/day
• Secondary treated wastewater from Calexico Waste Water Treatment Plant
PREFERRED ALIGNMENT
NEW RIVER DIVERSION
## Preliminary Engineering

### April 2018
- Survey/Aerial Topography
- Initial Design Recommendation Reports
- Initial Biological and Archaeology

### May/June 2018
- Engineering Reports/Hydraulics
- Geotechnical Investigations

### July/August 2018
- 30% submittal
- Implementation of approved preferred alignment

### September 2018
- 60% submittal
- Mechanical and electrical components specified
SCHEDULE: DESIGN

• Plans
• Specifications
• Cost Estimates
• Environmental Documents

Final Submittal
October 31, 2018
OTHER COORDINATION, CONSULTATION

• Local and Regional
  • Imperial County, IID, Calexico, SSA
• State
  • CNRA, CalEPA, SWRCB, CMBRC, Legislature, GO’s
• Federal
  • US DHS, GSA, CBP, IBWC, USEPA, NadBank, USACOE
• NGOs
  • CNRC, Comite Civico del Valle, others
BORDER ACTIVITIES REPORT
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binational Technical Committee and New River Tour</td>
<td>May 3, 2018</td>
</tr>
<tr>
<td>New River Workshop</td>
<td>May 14, 2018</td>
</tr>
<tr>
<td>California Mexico Borders Relation Council Meeting</td>
<td>July 17, 2018</td>
</tr>
<tr>
<td>Calexico Community Meeting</td>
<td>July 19, 2018</td>
</tr>
<tr>
<td>Binational Technical Committee and New River Tour</td>
<td>July 26, 2018</td>
</tr>
<tr>
<td>New River Improvement Project Stakeholder Meetings</td>
<td>Weekly/Ongoing</td>
</tr>
<tr>
<td>Binational Technical Committee and New River Tour</td>
<td>October 25, 2018</td>
</tr>
</tbody>
</table>
SUMMARY

• Progress in Mexicali
  • Binational cooperation has worked
  • New River threatened by condition of infrastructure
  • CESPM received bypass equipment
  • Feds and NadBank must prioritize CESPM’s projects for funding the $75M problem

• NRIP Strategic Plan
  • River Parkway shovel-ready (public bid 12/18)
  • NRIP Calexico Phase 1 well underway, continue support and monitor effort, project to be completed by October 31, 2018
Questions?