FISCAL YEAR 2020-2021
CIP PROJECT PROGRESS UPDATE

RWRAC CIP
Subcommittee Presentation
January 8, 2021
3CFS15 - CRRPS
Sewer Augmentation

- $33M Program
  - $4M - $9M FY ‘21
  - $10M FY ‘22
  - $12M FY ‘23

- Scope
  - Dual 21” ID HDPE force mains
  - 33,000 LF route
  - Stakeholders:
    - Marana
      - Water
      - Parks
      - DOT
    - Pima County
      - RFCD
      - NRPR
      - DEQ
      - OS&C,
    - CMID, ADEQ, ACOE, Neighbors, Park Users
3CFS15 - CRRPS
Sewer Augmentation

- Design-Build – Borderland/Westland Resources
- 30% Design complete
- GMP Development under way
- GMP to BOS mid March 2021
- Alignment discussions w/ Marana Parks & PC RFCD
- Collaboration with Marana Water
- Initial work starting at Tres Rios WRF this FY

Northern Alignment – Facing South

Cortaro Road – Facing North

Ina Road – Facing North
3ASC15 – Aerospace Corridor Augmentation

- $49M Program
  - $11M FY ‘21
  - $11M FY ‘22
  - $10M FY ‘23
  - $18M Prior FYs

- Scope
  - 36” ID PVC gravity line
  - 37,000 LF route
  - Stakeholders:
    - UPRR, COT DOT, South Tucson DOT, Southwest Gas, Tucson Water, ACOE, ADEQ, ADOT, Neighbors
    - Pima County
      - DOT
      - RFCD
      - OS&C
3ASC15 – Aerospace Corridor Augmentation

- Design: Westland Resources
- Construction: Construction Manager at Risk - Borderland
- Final (3rd) Phase started construction this week
- GMP approved by BOS
3TDS20 – Tucson Blvd Diversion Structure

$2.2M Program
– $1.8M FY ‘21
– $0.4M FY ‘22

Scope
– Remove and Replace structures
– Corrosion
– Confined Spaces
– Odor
– Stakeholders: PC RFCD, PC NRPR, PC OS&C, ADEQ, Neighbors, Park Users
3TDS20 – Tucson Diversion Structure

- Diversion Structure at the end of life cycle
- New facility will have multiple manholes below grade with hatches
- Goal to reduce turbulent flows throughout the area
- QCL Design – Dibble Engineering
- 30% Design complete
- Bid advertise date - 03/1/21 est.
- JOC Bid Construction - $1.8 M est.
- Completion Date - 12/15/21 est.

Existing Facility

Corroded Gate

21” – 8” reduction
3NWO19
Northwest Outfall Siphon Repair

- $1.5M Program
  - $0.9M FY ‘21
  - $0.6M FY ‘22

- QCL Design – Dibble Engineering
- JOC Bid Construction (projected)
- Replace siphon inlet and outlet structures
- Reduce turbulence, odor, and corrosion
- Inspect siphon and repair if needed
- Stakeholders:
  - Pima County
    - RFCD
    - NRPR
    - DEQ
  - Silverbell Golf Course
  - Park Users

Open Hatch with corrosion
3COC21 – Conveyance Odor Control Program FY 2021

- $0.6M Program
- Valencia Odor Control Site (between Cardinal & Mission)
- QCL Design – Michael Baker Int.
- JOC Bid – B&F Construction
- Construct new MgOH₂ injection site
- Odor and corrosion control from Valencia to Sweetwater/I-10
3BBUMP – Tres Rios WRF Nutrient Recovery

- $7.5M Program
  - $0.5M FY ‘21
  - $6.9M Prior FYs
- Design-Build Contract – Quanta Electric Power Construction Management
- Construction completed
- Performance testing underway
3GAS18 – Biogas Cleaning and Utilization

- $14M Program
  - $2.7M FY ‘21
  - $11.3M Prior FYs
- Construction complete January 2021
- Startup, testing, and performance demonstration next
3ANOMX – Anammox Treatment Process

- $10M Program

- $2.6M FY '21
- $7.4M FY '22

- Design-Build Contract – The CH2M Hill Engineers, Inc.

- 30% design complete

- Evaluating ROI prior to advancing design