Status Report (BSADD/Bell)

- **Funding**
  - AML Pilot NEXUS Grant (2017) - $3,450,000
  - COE 531 Partnership - $1,869,718
  - ARC Grant - $1,200,000
  - AML Pilot NEXUS Grant (2018) - $2,000,000
  - KYTC Bridging Kentucky Funds - Willis Dials / Dan’s Branch Road - $38,357
    - Hunters Lane & Rockhouse Creek - To Be Determined
  - KYTC KY 908 Guardrail Project - To Be Determined

- **Total Grant Funding** - $8,558,075
CONTRACTS 113-19-01 & 113-19-02
RAW WATER INTAKE & WATER TREATMENT PLANT IMPROVEMENTS
AML & USACE FUNDS

CONTRACT 113-20-02
HUNTERS LANE UTILITY RELOCATION
KYTC FUNDS

CONTRACT 113-19-03
WARFIELD AREA WATERLINE IMPROVEMENTS
AML & USACE FUNDS

CONTRACT 113-19-04
LOVELY AREA WATERLINE IMPROVEMENTS
AML & USACE FUNDS

CONTRACT 113-20-01
WILLIS DIALS ROAD UTILITY RELOCATION
KYTC FUNDS

CREATE HYDRAULIC MODEL
OF EXISTING MCWD DISTRIBUTION SYSTEM
Contract 113-19-01
RWI Improvements Pump Purchase Only

- **Purchase of:**
  - New 2 MG Raw Water Intake Pump with Variable Speed Drive
  - New 4 MG Raw Water Intake Pump with Variable Speed Drive
  - New 4,000 GPM River Screen
- **Budget:** $601,200
- **Funding:** Abandoned Mine Lands 2017 NEXUS
- **Status:**
  - Design, Bidding & Fabrication - Complete
  - MCWD currently utilizing 2 MGD Pump.
  - 4 MGD Pump to be placed in service upon completion of Contract 113-19-02.
Contract 113-19-02
RWI & WTP Improvements

- **Raw Water Intake Improvements:**
  - Concrete Ramp & Winch System for Moving Raw Water Pumps Up & Down Slope
  - Electrical Building Upgrade, Telemetry, Line Reactors and Instrumentation

- **Water Treatment Plant Improvements:**
  - Clarifiers 1 & 3 Rehabilitation with New Valve Vault for Clarifier 1
  - Replace Outside Chlorine Chemical Feed Piping & Roof On Chemical Storage Building
  - Replace Master Meter
  - 500 KVA on-site Backup Generator

- **Project Budget:** $3,098,860 (Construction Budget: $2,477,850)

- **Funding:** Abandoned Mine Lands 2017 NEXUS & Army Corps of Engineers
Contract 113-19-02 (Continued) RWI & WTP Improvements

- **Status:**
  - Project Bids were opened on December 15, 2020.
  - Bids:
    - One Bid was received
    - Base Bid: $3,396,220
    - Base Bid plus Additive Alternates: $3,550,567
    - Funding Shortfall (Base+Add Alternates+Contingency): $1,179,989
  - Intent to Rebid Project
    - February 17 - MCWD & Bell to Discuss Potential Project Modifications
    - March 4 - Send Plans/Specs to Lynn Imaging for Rebid
    - March 10 - Advertise Project for Rebid
    - March 30 - Open Rebid
Contract 113-19-03
Mainline, Service Line, Meter Replacement

- Replace in the Warfield Area:
  - Existing Mainline
  - Existing Meters & Service Line
  - Existing Valves & Hydrants

- Total Project Budget: $1,260,658 (Construction Budget: $992,000)

- Funding: Abandoned Mine Lands 2017 NEXUS & Army Corps of Engineers
Contract 113-19-03 (Continued)
Mainline, Service Line, Meter Replacement

**Status**
- Project Bids were opened on December 15, 2020.
- Bids:
  - 5 Bids were received
  - Base Bid: $810,444
  - Base Bid plus Additive Alternates: $1,260,210
  - Funding Shortfall (Base+Add Alternates+Contingency): $295,031
- Intent is to Rebid Project
  - February 17 - MCWD & Bell to Discuss Potential Project Modifications
  - March 4 - Send Plans/Specs to Lynn Imaging for Rebid
  - March 10 - Advertise Project for Rebid
  - March 30 - Open Rebid
- **Total Funding Shortfall for WTP/RWI & Line Projects:** $1,475,020
Contract 113-19-04
Mainline, Service Line, Meter Replacement

- Upgrades in the Lovely Area include the Replacement of:
  - Existing Mainline, Meters, Service Line, Valves & Hydrants
- Budget: $1,200,000
- Funding: Appalachian Regional Commission (ARC)
- Status:
  - Project is under Construction (Phase 1 nearly complete. Phase 2 starting)
  - Anticipated Completion Date: March 20, 2021
Contracts 113-19-05 & 113-19-06
USP Big Sandy, Eastern Kentucky Business Park & Big Sandy Airport Water Improvements

- **Upgrades Include:**
  - Construction of 250,000 Gallon Water Storage Tank, New 400 GPM Pump Station and telemetry
  - Upgrade of the Existing Davella Pump Station
  - Master Meter & Booster Chlorination

- **Budget:** $2,000,000
- **Funding:** Abandoned Mine Lands 2018 NEXUS
- **Status:**
  - A previously selected tank site cannot be used
  - Currently evaluating potential new sites for the tank & pump station
Contract 695-19-01
High School Water Storage Tank & Booster Pump Station Telemetry

- **Upgrades Include:**
  - Add telemetry to the Holly Bush Pump Station
  - Add telemetry to the High School Water Storage Tank

- **Budget:** $65,000

- **Funding:** Local Funds (Martin County Fiscal Court)

- **Status:**
  - Design: Complete
  - Bidding: Complete
  - Award: Complete
  - Materials Fabrication: Complete
  - Construction: All equipment installed.
Contract 113-20-01
Willis Dials/Dan’s Branch Road Utility Relocation

- **Upgrades Include:**
  - Relocation of existing waterline to facilitate construction of a new bridge for the KYTC Bridging Kentucky Program

- **Budget:** $38,357
- **Funding:** KYTC
- **Status:**
  - Project approved by Division of Water August 13, 2020.
Contracts 113-20-02 and 113-20-03
Hunters Ln. & Rockhouse Creek Utility Relocations

- Upgrades Include:
  - Relocation of existing waterline to facilitate construction of two new bridges for the KYTC Bridging Kentucky Program

- Budget: To Be Determined

- Funding: KYTC

- Status:
  - Developing project scope with Bizzack Construction and Alliance Resources. Construction scheduled for Summer 2021.
KY 908 Guardrail Project

- **Upgrades Include:**
  - Relocation of existing 14” waterline along Route 908 to facilitate installation of new guardrail.

- **Budget:** To Be Determined

- **Funding:** KYTC

- **Status:**
  - Next Meeting with KYTC scheduled for February 24, 2021.
Martin County Water District Hydraulic Model

- Prepare and Calibrate a Hydraulic Model of the Martin County Water District System
- Budget: $100,000
- Funding: Abandoned Mine Lands 2017 NEXUS
- Status:
  - Lines, tanks and PRVs have been input into the model and location field verified.
  - Line sizes have been verified.
  - Pressure zones have been analyzed.
  - Usage data has been entered into the model.
  - Model has been calibrated with field collected data.
  - Model has been checked against field observations.
Discussion/Questions