

Suwannee – Satilla Regional Water Council Meeting

City of Valdosta Update

March 26, 2014

Waycross, Georgia

Key Activities / Projects

Sewer Improvements

- New Force Main
- New Plant
- Smoke Testing
- Other Items

Regional Flooding

- Silver Jackets
- USGS
- LiDAR
- USACE PAS Project



Sewer Improvements

New Force Main Project / New Withlacoochee Wastewater Treatment Plant

Total project cost is \$56+ million

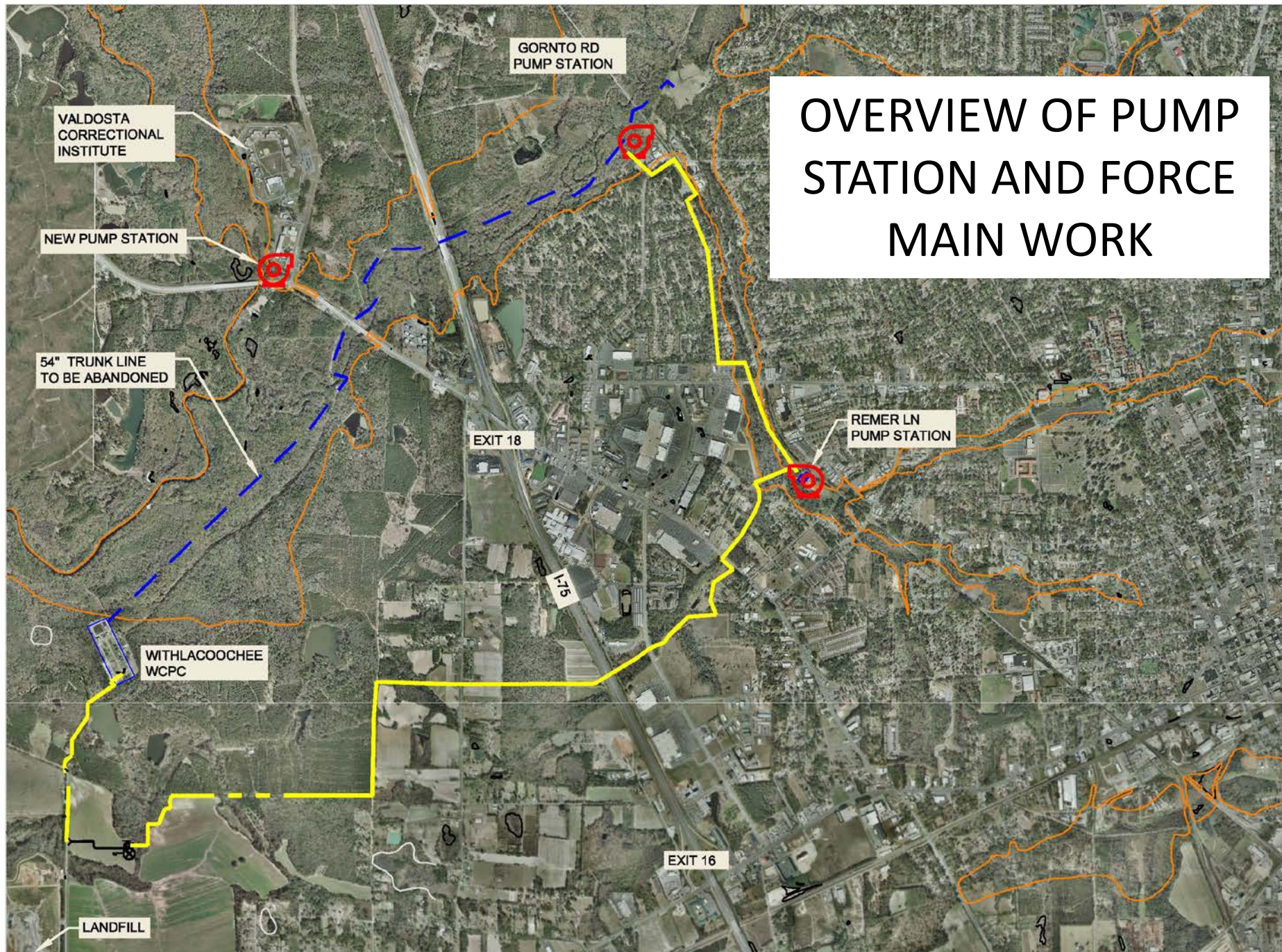
Force Main Project:

- 2 master pump stations
- 2 minor pump stations
- Over 6 miles of force main
- New headworks structure
- 6 million gallon per day (MGD) flow equalization (EQ) basin
- \$36 million – Georgia Environmental Finance Authority (GEFA) Funding
- Completion prior to July 2016

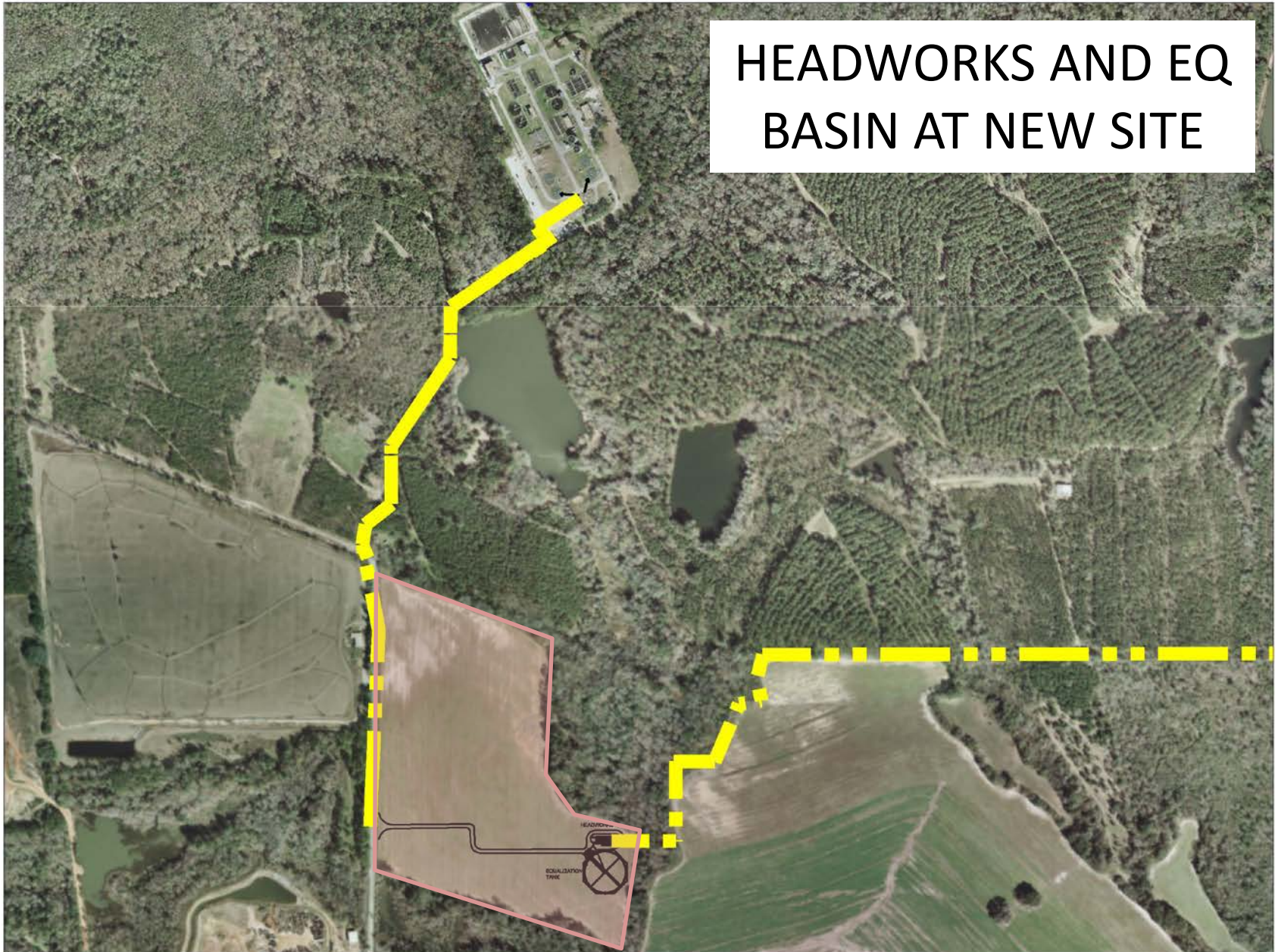
New Plant Project:

- Relocation of the remainder of the old plant to the new site
- \$20+ million – SPLOST VII
- Completion prior to August 2017

OVERVIEW OF PUMP STATION AND FORCE MAIN WORK



HEADWORKS AND EQ BASIN AT NEW SITE



Sewer Improvements (Continued)

Smoke Testing Sanitary Sewer System

- Hired Constantine Engineering
- Estimated \$700,000 to test 300 miles of sewer lines
- 4 year process
- Timeframe: January 2014 – December 2018



Sewer Improvements (Continued)

Other Items

- \$2,250,000: Annual sewer manhole replacement / rehabilitation program
 - Minimum 30 manholes each year
 - Complete by December 2018
- \$5,000,000: Pump station replacement / rehabilitation program
 - Complete by December 2018
- \$250,000: Pump station emergency portable generators
 - Over 4 years (e.g. 1 per year for 4 years)
 - Complete by December 2018



Sewer Improvements (Continued)

Additional Information

- \$2,500,000 in short term projects:
 - In Progress / Completed (e.g. mobile belt filter press, new bar screens, new Return Activated Sludge (RAS) piping, air piping to nitrification tanks for ammonia removal, two new blowers for the aerobic digester, converting old primary clarifiers to storage basins for flow equalization during heavy rain events, etc.)
- \$4 - 5 million each year on regular repairs, maintenance, etc. throughout the system
- Since 1992, the City has received \$179 million in SPLOST funds and utilized on capital improvement projects. During the same timeframe, the City has expended \$167 million for water/sewer projects from SPLOST proceeds, system revenues, bonds, and GEFA loans.
- SPLOST VII is expected to generate about \$150 million, of which Valdosta will receive \$80 million. Nearly 70 percent of the funding will be dedicated to wastewater projects, which is \$55.4 million.

Regional Flooding

Silver Jackets Meeting April 2013

The Silver Jackets is an innovative program that provides an opportunity to bring together multiple state, federal, and sometimes tribal and local agencies to learn from one another and apply their knowledge to reduce risk.

ATTENDEES REPRESENTED

- City of Tifton
- City of Valdosta
- GEMA
- Georgia DNR
- Georgia EPD
- Lowndes County
- Office of Congressman Austin Scott
- Office of Congressman Jack Kingston
- Office of Congressman Sanford Bishop
- Office of Senator Johnny Isakson
- Office of Senator Saxby Chambliss
- Southern Georgia Regional Commission
- Suwannee Satilla Water Planning Council
- Tift County
- USACE (Jacksonville and Savannah offices)
- USGS

Regional Flooding (Continued)

U.S. Geological Survey (USGS) Meeting June 2013

- Hosted a Regional Flood Preparedness Meeting
 - Flood threats and existing monitoring in the Withlacoochee River and Little River basins
 - Potential new monitoring (e.g. Little River at Hwy 133 and New River at Hwy 82) / forecasting needs
 - Current challenges (e.g. areas not monitored, funding, etc.)
 - Water quality monitoring during floods
 - **Flood tracking charts** and flood inundation mapping

ATTENDEES REPRESENTED

- | | |
|--------------------------------------------|--------------------------------------------|
| • City of Moultrie | • NOAA / NWS |
| • City of Sylvester | • Office of Senator Johnny Isakson |
| • City of Tifton | • Office of Senator Saxby Chambliss |
| • City of Valdosta | • Southern Georgia Regional Commission |
| • Florida Division of Emergency Management | • Suwannee River Water Management District |
| • GEMA | • Turner County |
| • Georgia DNR | • USACE Jacksonville District |
| • Georgia EPD | • USACE Savannah District |
| • Lowndes County | |

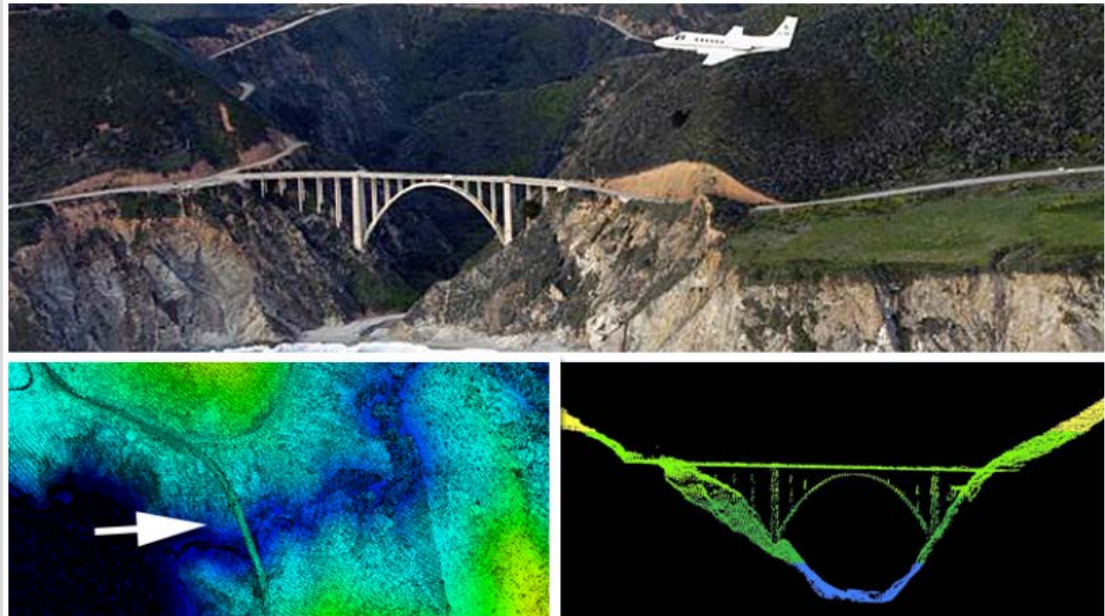
Regional Flooding (Continued)

Light Detection and Ranging (LiDAR)

- LiDAR uses a laser to map the land to provide accurate contours.
- Lowndes and Valdosta have a 5-year agreement with NOAA
 - Tift and Tifton are talking with NOAA
 - Encourage other communities to consider partnering

Benefit for partnering with NOAA:

- Ensures quality product
- Reduced cost (example)
 - \$9,900 (\$275/sq. mile)
 - \$36,000 (\$1,000/sq. mile)



Regional Flooding (Continued)

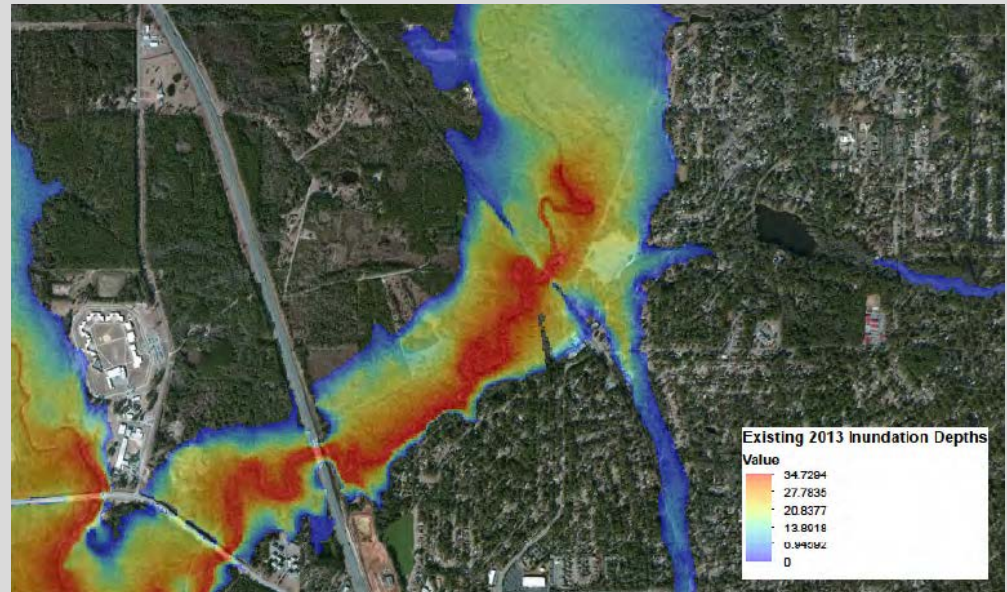
U.S. Army Corps of Engineers PAS Project

- Planning Assistance to States (PAS) Program – Flood Risk Management Study
- \$150,000 (50/50 cost share) with the USACE

Project includes:

- Examining existing conditions
- Providing potential structural and non-structural solutions to reduce flooding in this specific area – not regional flooding

Estimated completion date March 28th



Any Questions

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