

Mary Rhodes Pipeline Phase I Condition Assessment

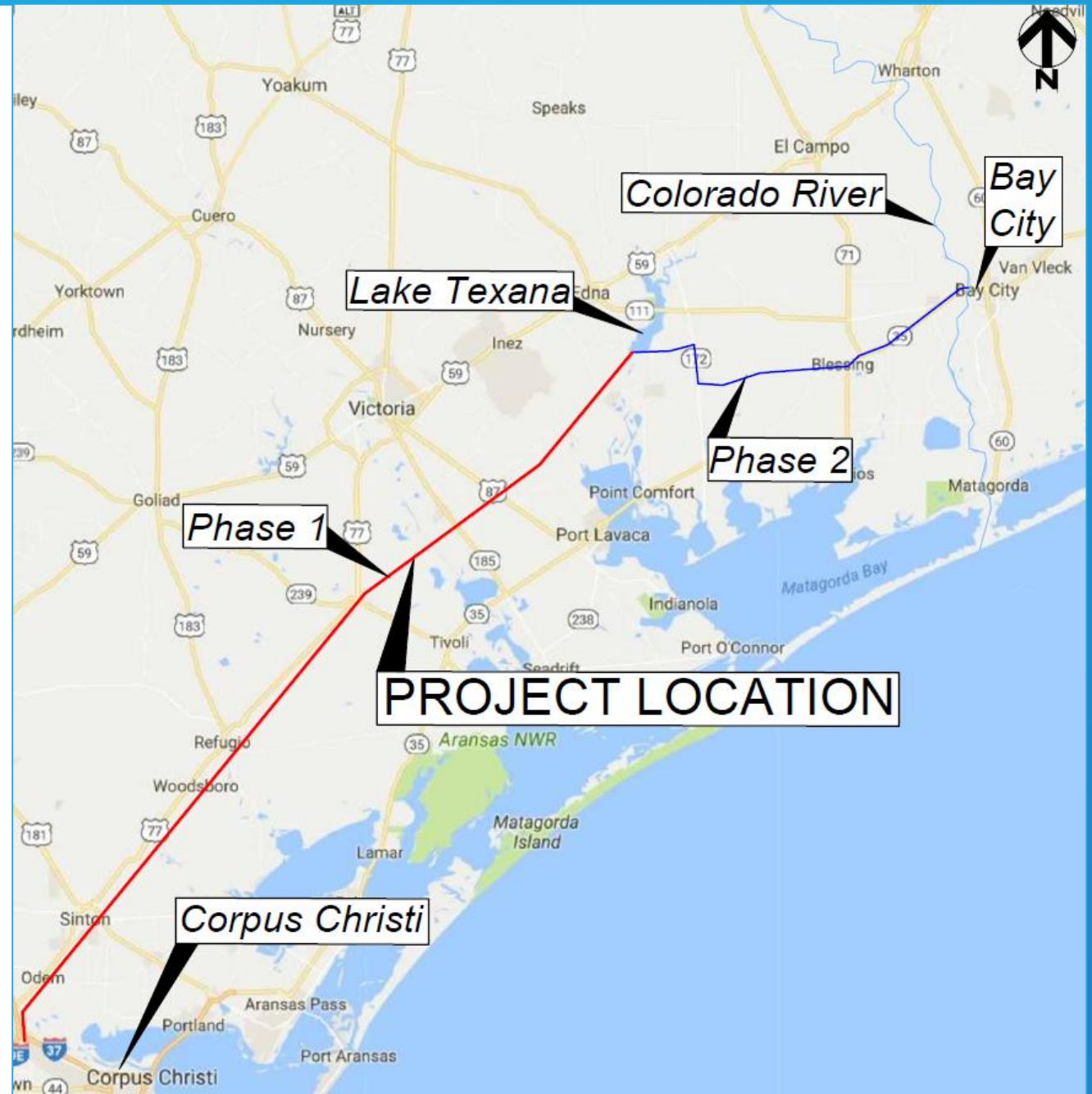
Project No. 23027

June 13, 2023



Project Location

- MRP Phase I spans 101 miles of pipeline from Lake Texana near Edna, Texas to the O.N. Stevens Water Treatment Plant.
- Pipeline construction began in 1997 and was completed in 1998.
- Pipeline consists of 64-inch diameter Bar-Wrapped Pipe (BWP) as manufactured by Gifford Hill American, Inc.



Project Scope

- On-site visual inspection
 - Air Relief Valves (ARV)
 - Blowoff valves
 - Access points and valves
- Drone survey along the full alignment
- Installation of pressure data loggers at selected locations along the pipeline
- External assessment
- Acoustic tool internal condition assessment
- Ground surveys
 - Electromagnetic Conductivity Survey (EMAG)
 - Wenner 4-pin
 - Close Interval Survey (CIS)
- Stray current investigation
- Soil sampling and analysis

Project Deliverables

- Condition assessment plan
- Data summary technical memo
- Complete assessment report
- Recommendation report including the identification of areas of concern, future improvements, and planning

Project Schedule

2023 – 2024

August – July

Engineering Assessment and Evaluation

**This project schedule reflects City Council award on June 13, 2023*

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Thank you!

