



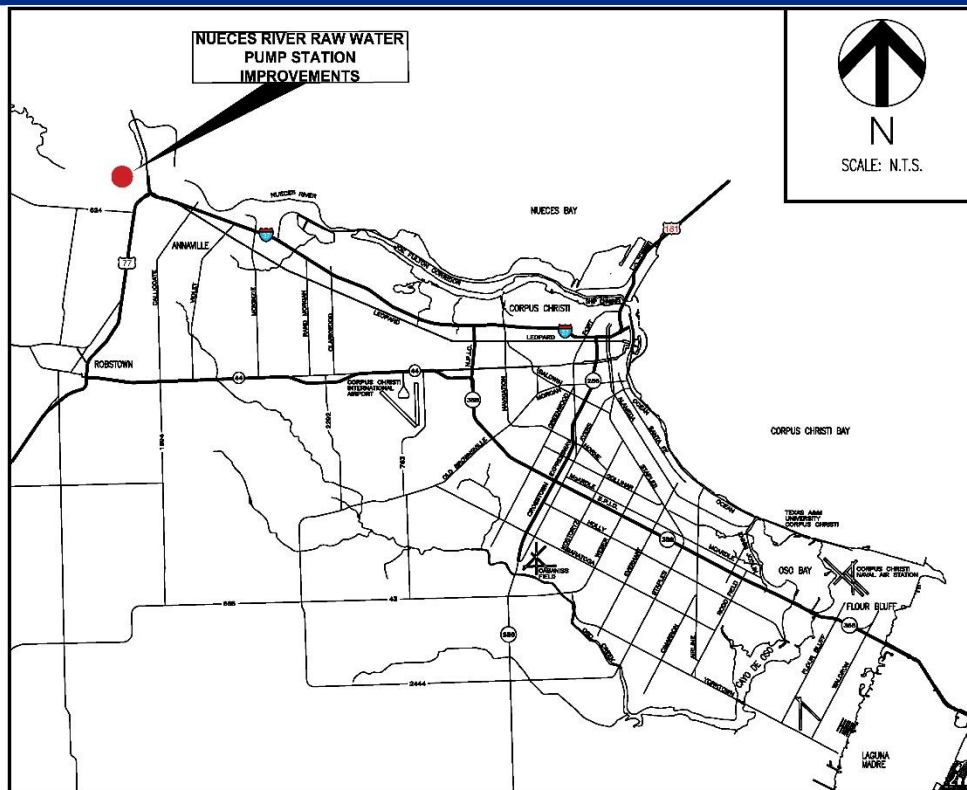
# **Nueces River Raw Water Pump Station Improvements (Capital Improvement Program)**



**Council Presentation  
December 11, 2018**



# Project Location





# Project Vicinity





# Existing Pump Station





# Project Benefits



## Project Benefits Include:

- Greater capacity will satisfy meet higher peak demands
- Unreliable electrical & mechanical equipment replaced
- Standby power generation capability removes susceptibility to power outages
- Enhanced site security
- Greater operating efficiency





# Project Scope



This project delivers major rehabilitation and upgrades to the Nueces River Raw Water Pump Station to improve the pumping capacity and reliability of the pump station. Work includes:

## BASE BID:

- Improvements to Building No. 1 siding and roof, hydraulic improvements to intake structure
- New piping, valves, instrumentation, bridge crane, motor, and additional pump
- Upgrades to electrical gear, motor, drives, and instrumentation in Building No. 2
- New concrete slab, electrical building, electrical gear, diesel generator, and underground cabling
- Automated access gate and new asphalt pavement

## ADDITIVE/DEDUCTIVE ALTERNATE No. 1:

- New pump in Building No. 1 upgraded from cast iron and bronze to stainless steel

## ADDITIVE/DEDUCTIVE ALTERNATE No. 2:

- Demolition and replacement of the entire existing Pump Building No. 1 above-ground structure in lieu of new siding and roof panels



# Project Schedule



2018				2019												2020						
S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
Bid/Award				Construction																		

**Construction Estimate: 548 Calendar Days  $\approx$  18 Months**

Projected Schedule reflects City Council award in January with anticipated construction completion in July 2020



# Questions?