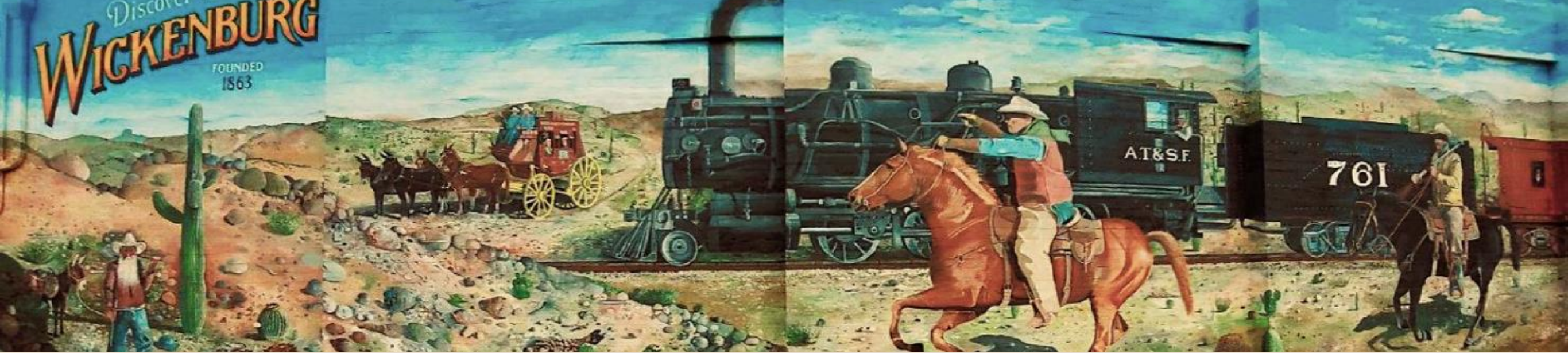




TOWN OF WICKENBURG

INTENSIFICATION PROJECT

Herschel Workman, Public Works Director

May 5, 2025



Intensification Project

Background and Need:

- Influent flow has reached 80% of rated average daily capacity.
- Peak flow conditions occur at 3 times the rated capacity.
- Total nitrogen levels are more than twice the design concentration.
- Regulatory Requirements:
 - Design for expansion must begin at 80% capacity
 - Construction must begin at 90% capacity.

Intensification Project

Short-Term Solution:

Implement an intensification process to meet flow/treatment demands over the next 5 years.

Goals:

- Increase throughput and treatment capacity
- Maintain regulatory compliance



Intensification Project

Design Elements:

- Activated granular sludge process
- Dual center-fed drum screens
- One additional blower
- Recycle & waste pump improvements
- Instrumentation upgrades
- Hydraulic capacity increase to 1.2 MGD



Intensification Project Bids

Felix Construction Co.

- \$2,903,161.00

Fann Environmental LLC

- \$3,680,533.00

ASR Construction Group

- \$3,025,916.37

Original engineer's estimate: \$1,470,000.00



Motion

I move to approve the contract with Felix Construction Company for the South WWTP Intensification Project in the amount of \$2,903,161.00 per Bid 24-03 and authorize \$600,000 from Wastewater 1 Contingency and the use of budgeted ARPA funding.

Questions?