

# City of Enid



# Agenda

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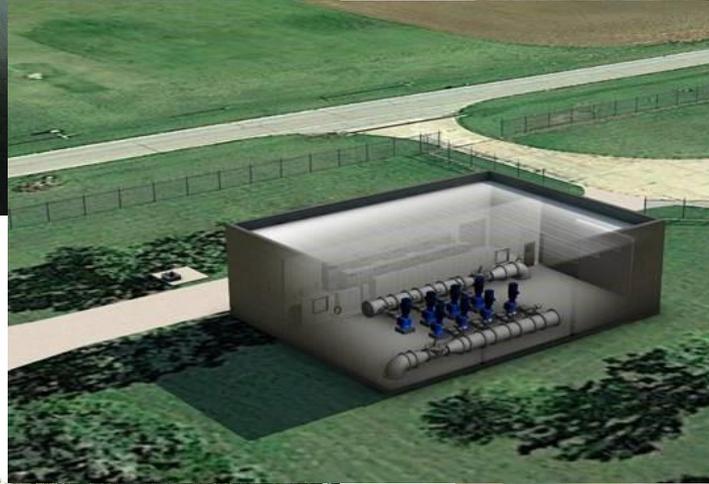
- Program / Infrastructure Updates
- Environmental Update
- Schedule Update

# Program Status Update

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- Good progress on all major infrastructure pieces
- Geotechnical investigations are approximately 50% completed to date
- Continuing the Environmental (NEPA) process with USACE
- Ongoing program controls and reporting

# Infrastructure Update



- Intake
  - Received right-of-entry to perform land and marine geotechnical investigations on federal lands
    - Scheduled for Week of 8/28
  - Revising DRAFT Preliminary Design Report
    - Based on City staff feedback
  - Generated Intake Preliminary 30% Design Layouts and Floorplans
    - Based on City staff feedback



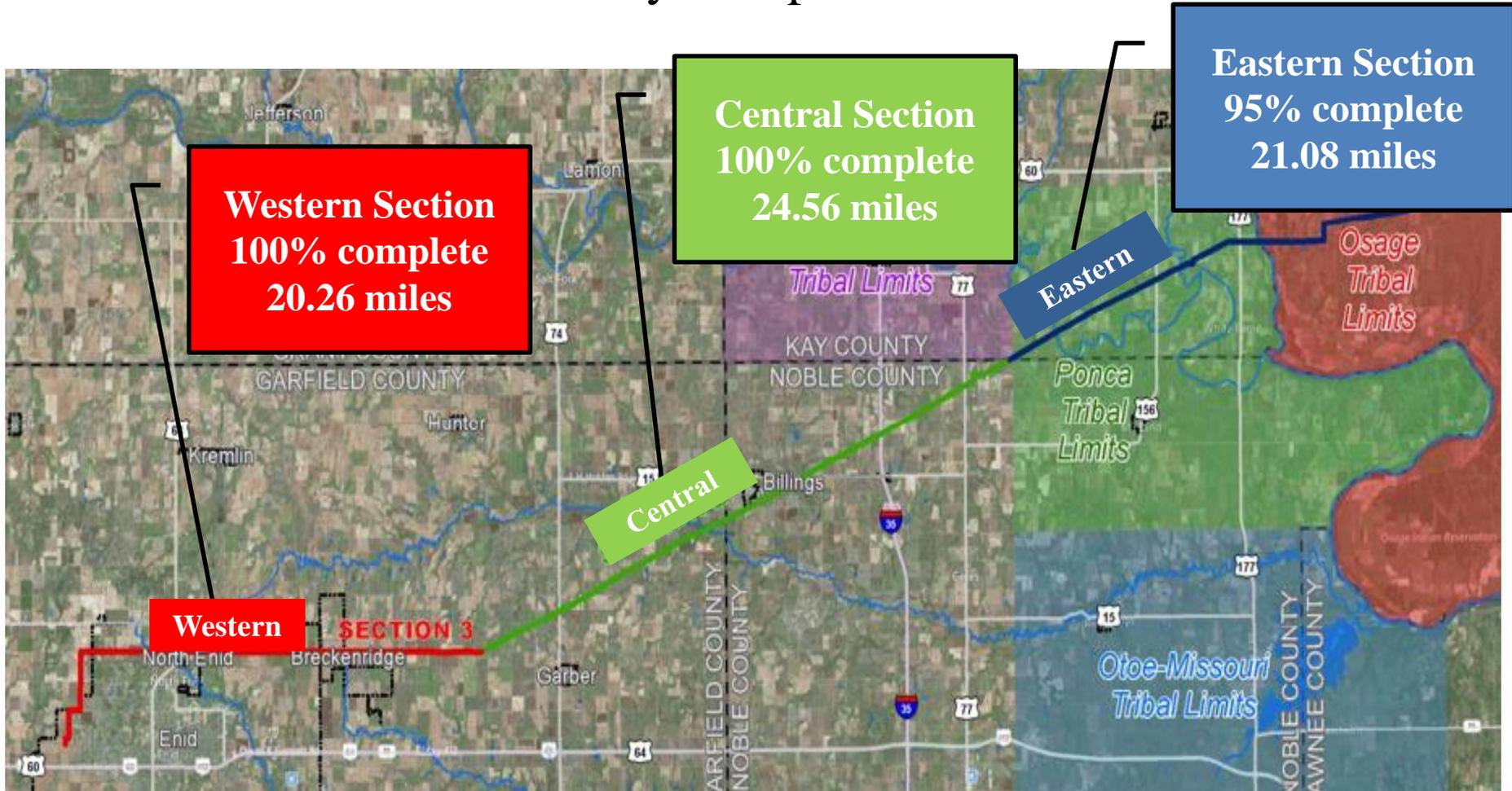
# Infrastructure Update

- Pipeline
  - Continued coordination with major utility owners along route
    - Oil/Gas, Wind, Electric, Communications, Water, etc
      - » Twenty-four (24) to date
  - Completed all but 5% of pedestrian surveys
    - Only those without permission remain
  - Completed 52 out of the 149 bores for the geotechnical investigations
    - Waiting landowner permission
    - Requested 8/1



# Infrastructure Update

Pedestrian Survey Completion 65.90 miles



- Terminal Storage Reservoirs
  - Completed TSR-EQ geotechnical investigations
  - Ongoing TSR-EQ preliminary grading design
  - Narrowing down the selection of the TSR-EM Site
  - Drafting 4 Tech Memos for City staff review
    - Algae Control
    - Liners
    - Erosion Control
    - Drainage



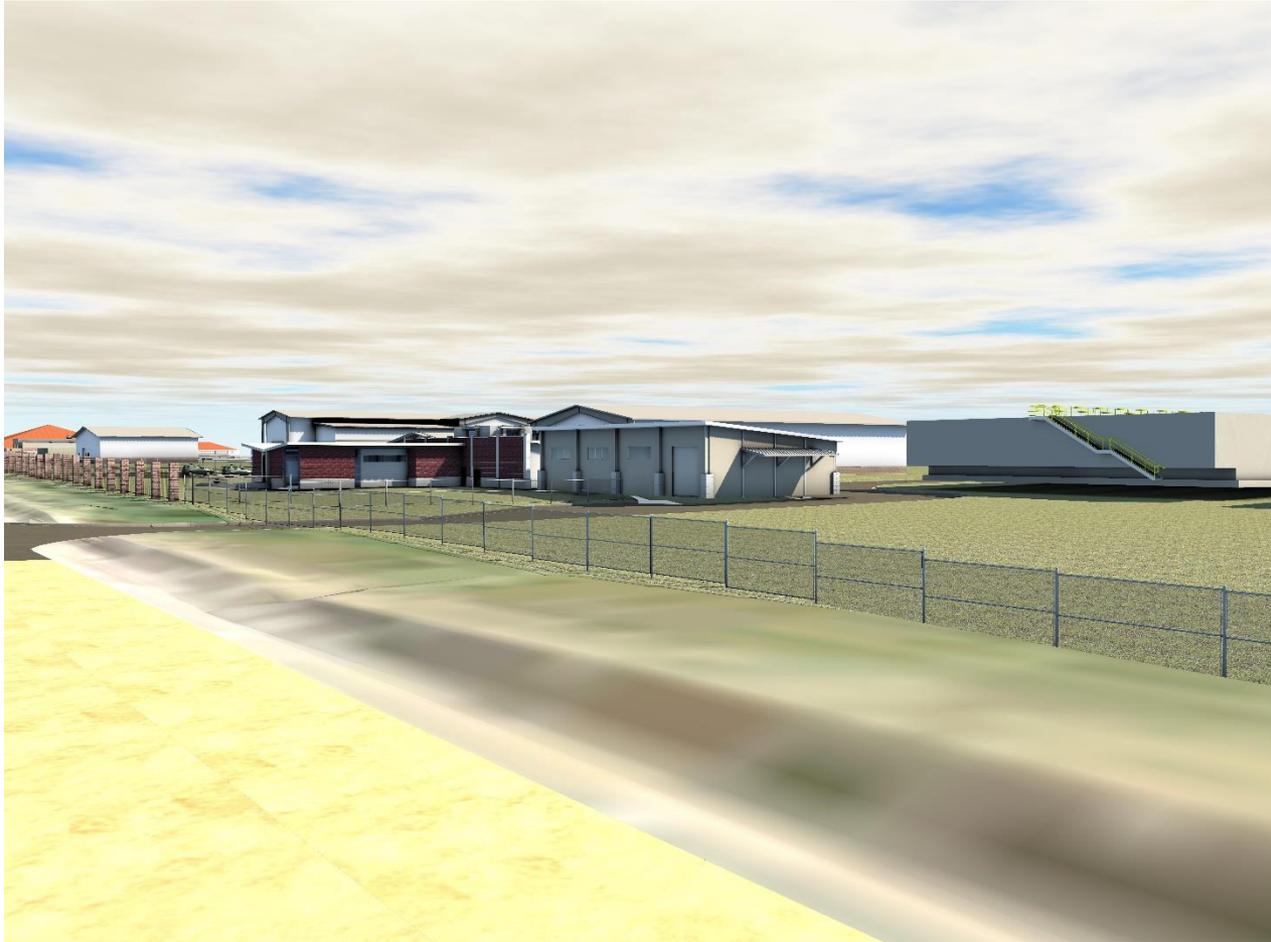
- Water Treatment Plant
  - Completed geotechnical investigations
  - Developed preliminary design criteria for
    - Chemical feed facilities
    - Administration, operations, and maintenance facilities
  - Updated preliminary process layouts and draft site layout
  - Recent Tech Memos submitted for City staff review
    - Granular Activated Carbon Pump Station
    - Residuals Handling



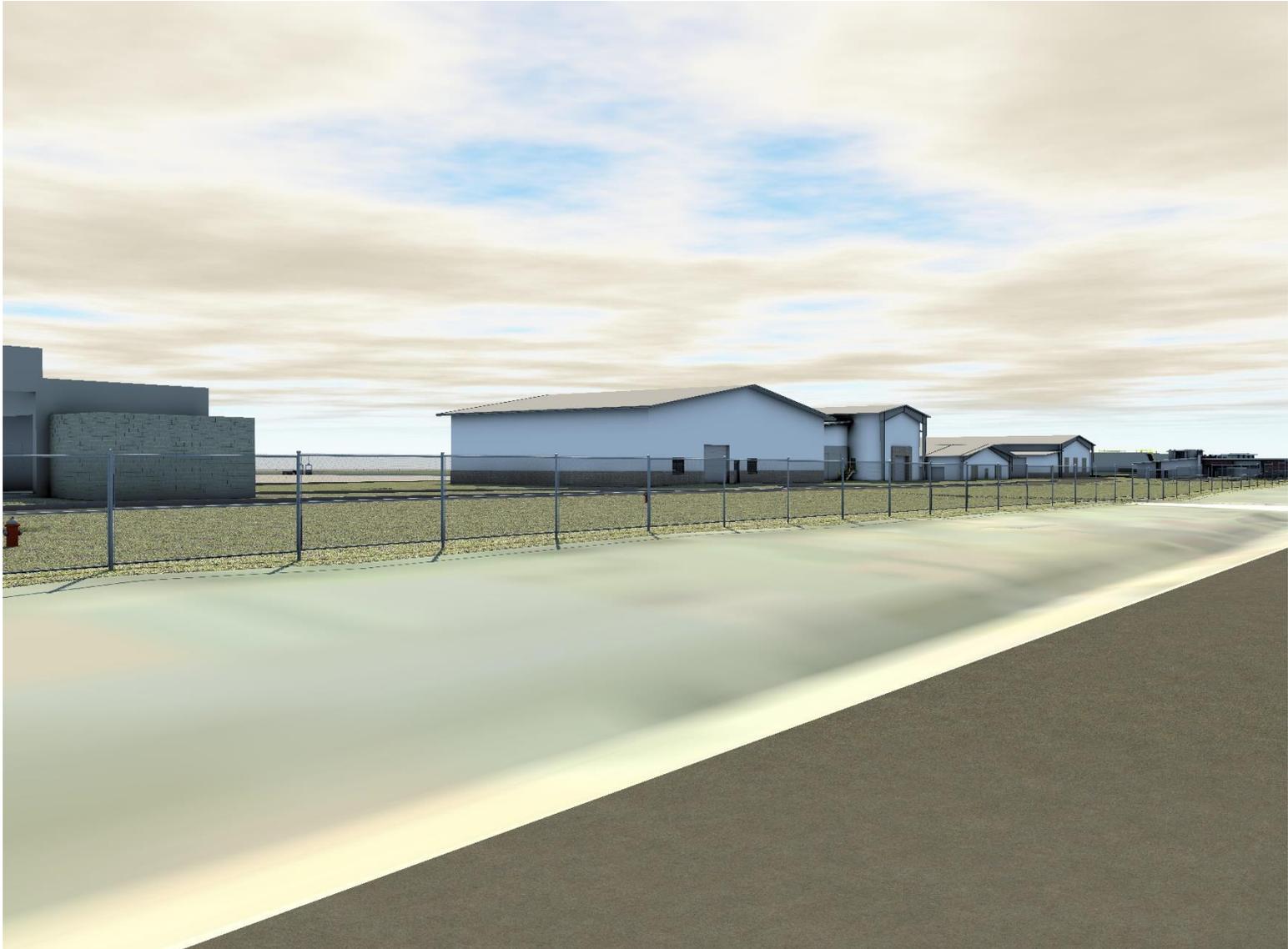
# Preliminary WTP Site Layout



# Looking East on Chestnut



# Looking West on Chestnut



# Operations Building



# Operations Building Preliminary Floor Plan



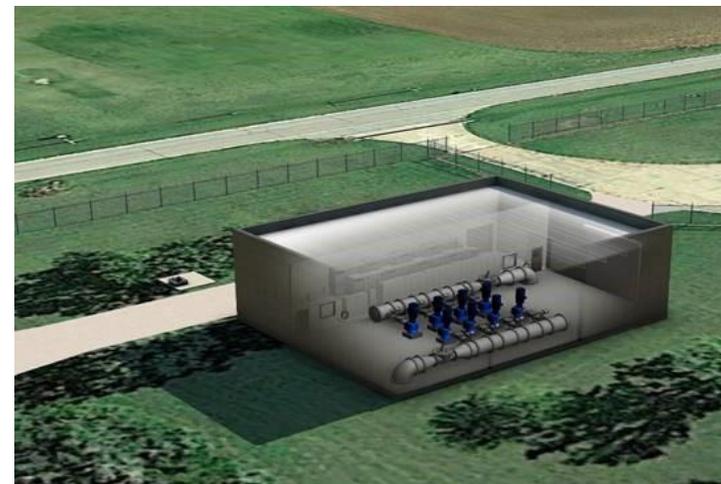
# Entry / Lab / Control Room



# Locker rooms / Breakroom



- Distribution
  - Completed optimization study
    - 36-inch transmission line is optimal
  - Completed High Service Pump Station geotechnical investigations
  - Recent Tech Memos submitted for City staff review
    - Transmission Main Alignment
    - System Optimization



# Environmental Update

Infrastructure Piece	Biological Studies	Cultural Studies
Intake	100%	100%
IBPS	0%	0%
Pipeline	88%	0%
Water Treatment Plant	100%	100%
TSR EQ	100%	100%
TSR EM	0%	0%
Distribution	100%	100%

**Impacting Schedule**

# Schedule Update

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- Currently 5% behind schedule
  - 3 weeks
- Main Reasons
  - IBPS Property Selection
  - Weather affecting geotechnical work
  - Access to properties for the Pipeline pedestrian surveys
  - Access to federal property for the Intake geotechnical investigations
- Recovery Plan has been developed and presented to City staff

# Schedule Recovery Plan

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- Mobilize additional geotechnical field crews
- Project controls team adjusting critical Program deliverables and reallocating resources to maintain Program schedule
  - Assign additional resources to develop Design Reports, 30% Drawings, and Cost Opinion
  - Defer developing Design Consultants Standards Manual to 2018 (*once critical deliverables are completed*)
  - No impact to project cost

# Phase 2 Schedule

## Integrated Program Planning Schedule With Key Decision Milestones

