

Las Animas, Arkansas River, South Levee

Preliminary Levee Assessment

Status Update

August 1, 2023

Agenda

1. Brief Introductions
2. Purpose of Meeting
3. Levee System Overview
4. Status of Completed and Ongoing Work
5. Anticipated Schedule for Future Work

Introductions

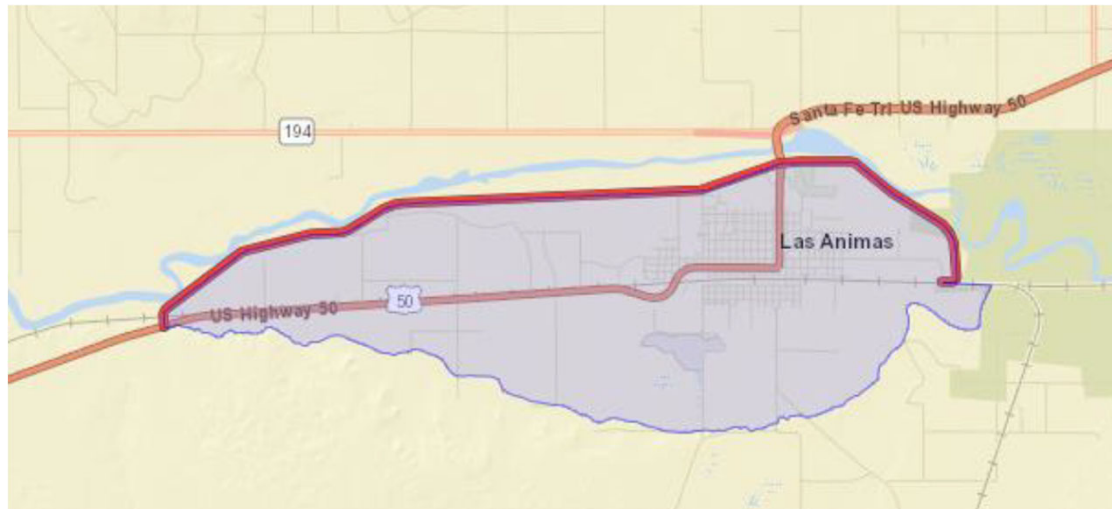
- **AECOM**
 - Project Manager: Aaron Humphrey
- **Arkansas River Conservancy District (ARCD)**
 - Primary Contact: Bryan Simmons
- **Colorado Water Conservation Board (CWCB)**
- **Federal Emergency Management Agency (FEMA)**

Purpose

- Opportunity for primary project stakeholders/regulators to meet
- Presentation of work completed to date
- Presentation of proposed schedule
- Opportunity to discuss potential concerns and identify further considerations and questions.

Levee System Overview

- Purpose of project is to certify the Las Animas Arkansas River South Levee in accordance with Title 44 CFR 65.10. (System ID: 2205000032)
- Levee is currently mapped as 'Unshaded Zone X' and 'Area Not Included'
- October 2020 Risk Assessment by USACE listed risks for "overtopping" and "breach prior to overtopping" as "moderate".
- Erosion has occurred along the riverside toe due to river flows
- Sedimentation in Arkansas River potentially impacts channel capacity affecting freeboard, interior drainage, loading, and scour.



Status of Completed and Ongoing Work (Since July 2022 NTP)

- **Review of Existing Data** – Completed Summer/Fall 2022
- **Development of Geotechnical Investigation Plan (GIP) (with USACE review)** – October 2022
- **Survey** – Ongoing - May-Sept 2023
- **Performance of Geotechnical Explorations** - Ongoing
 - SHPO Desktop Review: April 2023
 - Phase 1 - 82 CPT Explorations: June 2023
 - Phase 2 - 29 soil borings + lab: Aug – Oct 2023 (tentative)
- **Freeboard Analysis** – Ongoing – Aug-Sept 2023

Anticipated Overall Project Schedule

Task	Start	End	Comments
Phase 1			
A – Data Review	Aug 2022	Oct 2022	Complete
Phase II			
B – Survey and Geotechnical	Mar 2023	Dec 2023	Underway and on-schedule
C – Freeboard analysis	Mar 2023	Sept 2024	Started, will end before Sept 2024
D – Inspection and Technical Evaluation/Conceptual Analysis	Mar 2023	May 2024	Not Started. Schedule seems reasonable.
Phase III (not currently authorized)			
E – Recommendations for correction of deficiencies (design, CLOMR, Permitting, etc.)	Jan 2024	Mar 2025	
Phase IV - Construction (not currently authorized) – 2025?			
Phase V (not currently authorized)			
F – Updates to O&M	Mar 2025	Nov 2026	
G – Interior Drainage Analysis	Mar 2025	Nov 2026	
H – Creation of levee certification package.	Mar 2025	Nov 2026	

Discussions/Questions