

January 21, 2021

Lyon County Board of County Commissioners Meeting

Lyon County Utilities Projects Update - Summary

Projects In Design

- 1 Rolling A Wastewater Treatment Facility Phase 4 Expansion
- 2 Sewer Lift Station 2 Replacement
- 3 Aspen Creek Rapid Infiltration Basin

Projects In Construction

- 4 Hwy 50 Water and Sewer Replacement - Phase 1

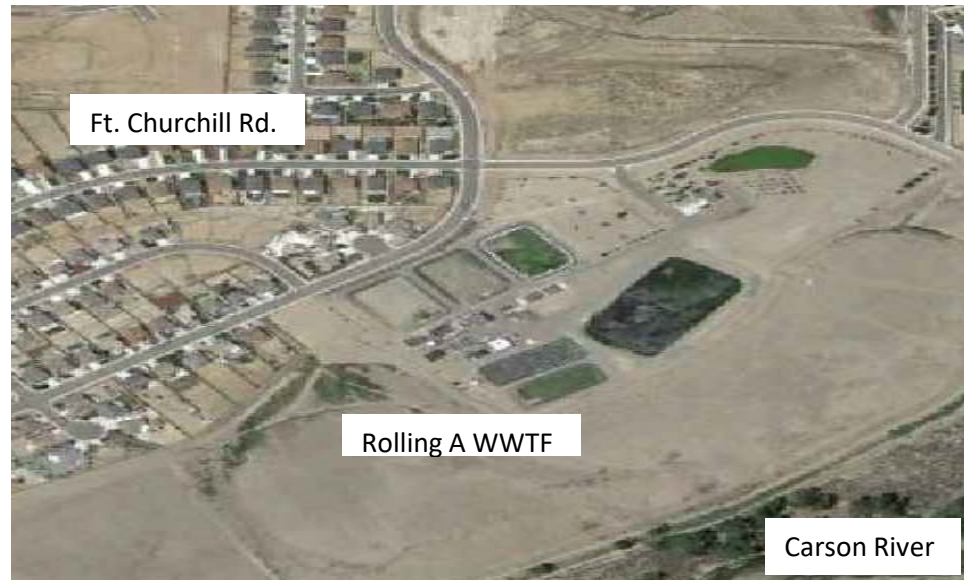
Projects Completed

- 5 Rolling A Plant Sludge Pond Abandonment

Lyon County Utilities Department

Project Update January 21, 2021

Project 1: Rolling A Wastewater Treatment Facility Phase 4 Expansion



Description: The project will increase plant annual average treatment capacity from 1.0 Million gallons per day to 1.4 million gallons per day. Scope includes, (1) construction of new equalization tank, flow splitting structure, two sequencing batch reactors, thickening unit, and a dewatering unit and (2) rehabilitation of existing headworks and sequencing batch reactor.

Budget: \$15.0 MM (FY 2020)
Fund - Dayton Sewer Fund (624)
Expenditures To Date - \$1.44 MM

Schedule/ Status: Design completion: Mar., 2021
- 60% design review completed - Nov. 10, 2020
- 90% design - Feb., 2021
- 100% design - Mar., 2021

Construction: Sept., 2021 - Mar., 2023

Change Orders: None

Notes:

Lyon County Utilities Department

Project Update January 21, 2021

Project 2: Sewer Lift Station 2 Replacement



Description: The project will increase sewer pumping capacity from the existing Lift 2 matching with the Rolling A plant phase 4 expansion. Scope includes a new Lift Station (#2A, 1250 gallons per minute) across the Dayton Valley Rd, 12-inch force main from the new LS #2A connecting the existing LS 3A-Rolling A plant forcemain at Sutro Rd, South Plant connection, and flow metering.

Budget: \$7.5 MM (FY 2020)
Fund - Dayton Sewer Fund (624)
Expenditures To Date - \$221,000

Schedule/Status: Design completion: Feb., 2021
- 90% design completed - Jan., 2021
- 100% design - Feb., 2021

Construction: Jul., 2021 - Dec., 2022

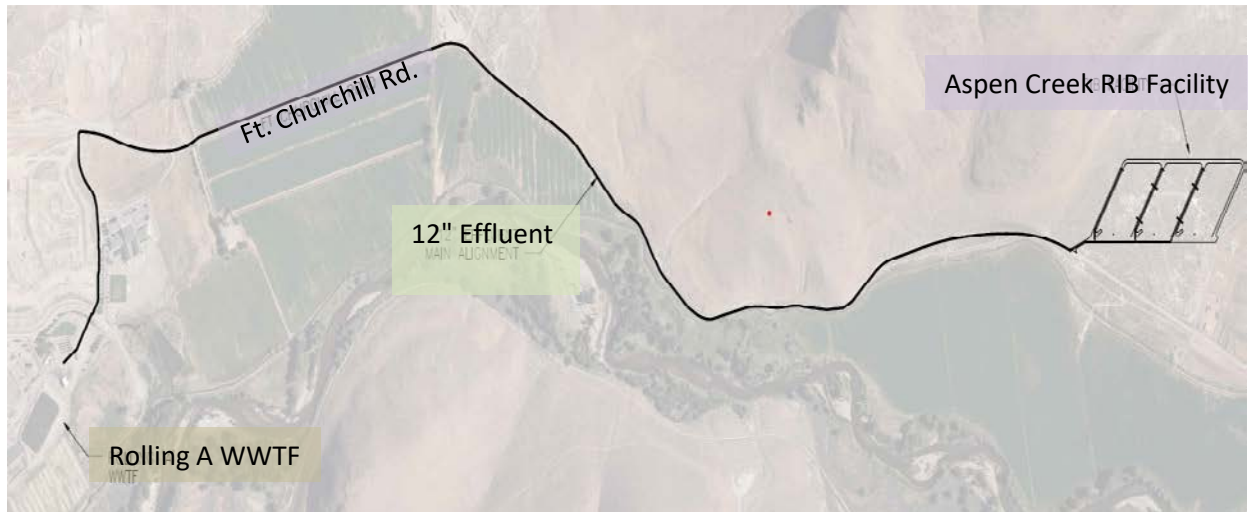
Change Orders: None

Notes:

Lyon County Utilities Department

Project Update January 21, 2021

Project 3: Aspen Creek Rapid Infiltration Basins (RIBs)



Description: The project will provide effluent disposal capacity matching with the Rolling A Plant Phase 4 Expansion. Scope includes construction of a new 1.4 million gallon per day Rapid Infiltration Basin (RIB) facility, 12-inch forcemain from Rolling A plant to the RIB facility, and upgrade to the existing Rolling A effluent pump

Budget: \$6.5 MM (FY 2020)
Fund - Dayton Sewer Fund (624)
Expenditures To Date - \$960,000

Schedule/Status: Design completion: Jan., 2021
- 90% design- Dec., 2020
- 100% design - Jan., 2021

Construction: May., 2021 - Oct., 2021

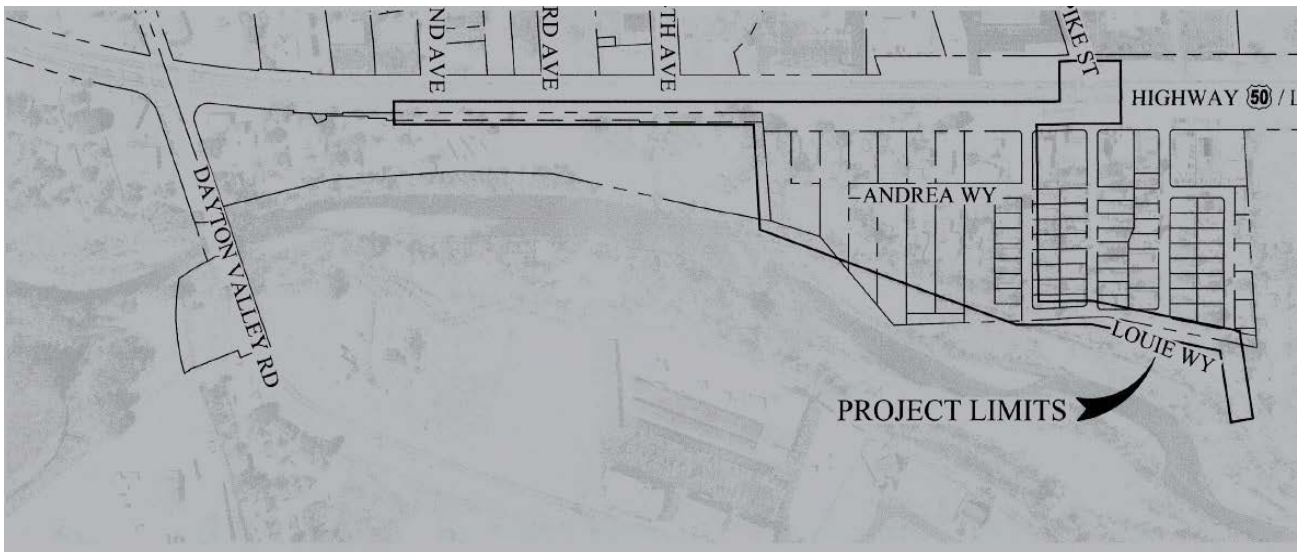
Change Orders: 1 Oct., 1, 2020 - The Board approved TO 92 Amendment 2 for an additional funding of \$61,800. Total TO 92 with FarrWest Engineering for the project design is \$345,400.

Notes:

Lyon County Utilities Department

Project Update January 21, 2021

Project 4: Hwy 50 Water and Sewer Replacement - Phase 1



Description: The water project will repair and replace approximately 1,950 linear feet of 8-inch water main along US Highway 50.
The sewer project will repair and replace the existing damaged AC sewer line along the river and US Highway 50. Scope includes construction of approximately 2,600 liner feet of 8- and 12-inch sewer main and abandonment of 2,200 linear feet of existing sewer.

Budget: Water - \$868,000 (FY 2021)
Fund - Dayton Water Fund (623)
Expenditures To Date - \$138,000

Sewer - \$1.6 MM (FY 2021)
Fund - Dayton Sewer Fund (624)
Expenditures To Date - \$944,000

Schedule/Status: Construction Completion (Contract) : Apr., 2021
- Due to NDOT permit issue, the water project was removed from scope.
-
- Revised NDOT permit submitted and water project will be constructed separate
- Sewer project completion - Jan., 2021

Change Orders: None

Notes:

Lyon County Utilities Department

Project Update January 21, 2021

Project 5: Rolling A Plant Sludge Pond Abandonment



Description: The project will clean the existing sludge storage pond. Scope includes dewatering of about 1000 dry tons of solids and disposal of about 5000 wet tons of sludge cake at the landfill (Carson and Lockwood). As part of the Rolling A plant expansion project, the pond will be converted to an Emergency Storage Basin.

Budget: \$1.9 MM (FY 2021 operating expense)
Fund - Dayton Sewer Fund (624)
Expenditures To Date - \$1.47 MM

Schedule/Status: Construction completion: Dec. 2020 (Contract)
- Construction completed - Nov 11, 2020
- A total of 1,810 dry ton of solids were removed.

Change Orders: 1 October 15, 2020 - The Board of County Commissioners approved Change Order #1 for an additional amount of \$579,946. Total contractor value with \$1,372,481.

Notes: