Ivins City
Engineering Report to City Council
April 20, 2023

Planning Projects

Coyote Gulch Wash LOMR: Rosenberg Associates has completed all the base mapping and has run through the hydrologic and hydraulic portions of the study. Rosenberg will begin working on the submittal package.

R&PP Application for 100 acres (public works yard, City park, City cemetery, etc.):
The BLM and Fish and Wildlife Service has agreed to reduce the mitigation ratio from 5:1 to 4:1. Staff has also been working on reducing the overall area that the City will be acquiring. The area has been reduced from about 100 acres, down to approximately 80 acres. The last cost estimate, for the full 100 acres and at the 5:1 mitigation ratio, was approximately $1.2 million. See below for the updated estimate, which reflects about a $320,000 reduction.

Mitigation Type	Acreage		Ratio		Unit Cost		Total Cost
Land	80 Acres	x	1	x	$8,500 per acre	=	$680,000
Remuneration Fee	80 Acres	x	3	x	$ 941 per acre	=	$225,840
					TOTAL COST		**$905,840**

Staff has been working on updating the plan and list of potential amenities that would be included in the park. Once completed, Staff will work with BLM to move the project forward.

Staff is also working on an RFP for an engineering firm to begin the design process for the project.

Sewer Master Plan: Consultant is working on the initial draft of the master plan.

Storm Drain Master Plan: Consultant is working on the initial draft of the master plan.

Design Projects

Irrigation System Phase 1 Improvements Project: The consultant is working on preparing a small phase 1 design for impact fee funds that need to be spent this fiscal year. The project includes some irrigation pipelines down portions of Kwavasa (between Center Street and Old Hwy 91) and portions of 400 West (between 200 South and 400 South).

Old Highway 91; 200 E to Shivwits: The project began on February 6th. This month the contractor is still working on some of the underground utility work and the clearing, grubbing and excavation for the trail, roadway improvements, and the roundabout at Kwavasa. Work has begun on building up of the cross-section from the prepared subgrade in areas between 200 East and 200 West. Currently, the anticipated completion date is September of this year.

400 West Gap Fill: Staff is working on designing a "gap fill" project along 400 West from approximately 200 South to 300 South. The project would consist of additional asphalt, curb and gutter, and a 10' asphalt path. Staff has decided to not include it with the other trail gap fill projects and is moving forward with preparing the design for bidding.

Active Transportation Path Gap Fill Project: Staff has applied for Carbon Reduction and Transportation Alternative Program Funding through the Dixie MPO. The project has been approved through the Dixie Transportation Executive Committee. Ivins City received approximately $618,000 from the MPO. Ivins City has a required matching amount of $100,000. Staff is estimating the total project is approximately $1.3 million, leaving a deficit of approximately $540,000. Staff will continue working on acquiring the necessary funds to construct the project as outlined.

A consultant has been selected, Sunrise Engineering, through the UDOT selection process. The consultant and staff have been negotiating the project scope and fees. It is anticipated that the consultant will begin the design process by the end of the month. The project will need to be bid out by the end of September.

Construction Projects

400 East Storm Drain Project: The project will begin this month; the contractor is preparing the necessary bonds to begin the project.

Developer Projects under Construction

Engineering is managing and supervising the construction of the following developer projects:

Mojave Flats: 95%, currently working on surface improvements and final punch list items.
Anasazi Vista Phase 3-5: 95%, currently working on some punch list items for landscaping.
Indigo Trails Phase 2A-2C: 90% complete, currently working on punch list items.
Taviawk 12D: 95% complete, they are currently working punch list items.
Unity Village: 65% complete, currently working on site grading and the underground utilities and surface improvements.
Crossings at Red Desert: 5% complete, currently working on site grading and over-excavation for the site.
Black Desert Resort Center: 15%, currently working on underground utilities.
Black Desert North Village: 5%, currently working on site grading.
Black Desert Golf Village Phase 1: 5%, currently working on site grading.
Hidden Springs RV Resort: 5%, currently working on site grading.



4/12/2023

Thomas Jorgensen, P.E., Assistant City Engineer Date