Ivins City
Engineering Report to City Council
July 9, 2015

Pumping Station Upgrades: The Taviawk Pumping Station is complete. Staff is working with the design engineer to finalize a design of the Tuacahn Pumping Station upgrade with plans to start bidding in August or September.

Ivins Reservoir: The water line part of the project was delayed as the Water Conservancy District works through some easement issues along the alignment. So our contractor was able to start the work. The vegetation has been removed and sand import is 75% complete. It is anticipated for the work to be completed by the end of next week (July 17th). The next priorities for Ivins Reservoir is restrooms, drinking water, and parking.

Red Mountain Dams Rehabilitation: The Red Mountain Dams Draft Environmental Assessment is complete and we are waiting for a biological opinion from the US Fish and Wildlife. The NRCS has received funds for the design and we will start a consultant selection process so that we will be ready to proceed with the design once the environmental approvals are complete.

Master Planning: Working on RFPs for irrigation and sewer master plan. The plan is to complete these projects in the next fiscal year.

Storm Drain Master Plan: Bowen Collins & Associates is working on the study. More details will come forth as the study progresses.

Transportation Master Plan: The transportation master plan is underway being completed by Horrocks. More details will come forth as the study progresses.

200 East Wall: The project was approved by City Council at the previous meeting. Staff is coordinating with the contractor BA Robinson to execute the contract and start construction. Demolition of existing fencing may start as soon as next week.

Red Rock Park Drainage Modification: Staff is working with the contractor to determine a schedule to start the work.

Capping of Lounsberry Well: The well was capped on July 8th and the project is complete.

City Wide Drainage Improvements: As a result of recent flooding staff has been working on the following projects as a means to make some improvement to drainage systems.

- Add inlets at 500 East Center Street – completed.
- Tie together storm drain pipelines at 200 North – completed.
- Construct berm at 550 West Center Street – completed.
- Extend curb and gutter down west side of 100 West past Best home – completed.
- Add inlets at 400 South Street at approximately 130 West – completed.
- Repair berm/ditch on north side of Vermilion Cliffs in the Reserve – completed.
- Remove sediments and repair outlet on Tuacahn Wash Detention Dam – completed.

- Adding inlets to east side of Wintook Drive (shared cost between HOA and adjacent lot owner) – completed.
- Adding inlets to west side of Taviawk Drive (shared cost between HOA and adjacent lot owners) – completed.
- Kayenta Debris Basins on Coyote Gulch – request for funding submitted to NRCS
- Improve inlet efficiency at 600 West Center Street – Terry Marten has indicated that Kayenta is willing to provide temporary detention at 100 N 600 W. We believe that the 48 inch storm drain pipeline is not filling to capacity at 600 W Center Street and that we could extend a 36-inch pipeline to the temporary detention basin that we could remove a significant amount of flood water from the drainage system and discharge it to the Kayenta Wash. Project costs, however, could be significant (~$120,000), and funding sources are unknown at this point.
- Improve inlet efficiency at 450 North 400 West (and 600 West) – Looking at this area to see if more water can be diverted to the Kayenta Wash in the existing 24-inch pipeline in 450 North.
- Upsize culverts at Highway 91 / Kayenta Wash Crossing – completed.
- 500 E Center Street Flood Retention Wall – construct wall on Center Street to divert water to Puerto Drive rather than wash behind homes. City is working on a design with an intent to construct next fiscal year.
- 400 E Storm Drain Extension from Center St to 200 N – City is looking to extend the storm drain 1200 feet to reduce erosion in the existing channel from runoff by the upstream developments. Budgeted for next fiscal year.
- Taviawk Diversions to Kayenta Wash – Kayenta Developer is working with City to identify opportunities to divert water to the Kayenta Wash through the Kwavasa Drive cut. This requires a SITLA drainage easement which Kayenta is working to acquire. Kayenta is also considering providing an additional detention basin not previously considered. Kayenta claims to have obtained the easement from SITLA.



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Charles Gillette P.E., City Engineer Date