Ivins City
Engineering Report to City Council
June 11, 2015

2015 Street Improvements Project: The contractor has notified that the project is complete and that the initial punchlist items have been completed. The project is scheduled for a final walkthrough on June 12th.

Pumping Station Upgrades: The new pump station is operational in manual mode and SCADA is currently being setup for automatic controls. The door and stucco on the control panel will be completed next week.

Ivins Reservoir: The Water Conservancy District finished constructing the causeway dam and will also be installing a 6-inch fill line. Staff is coordinating the sand project accordingly. The sand project will not be able to proceed until the District has completed the water line.

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: The city needs to fill in the now unnecessary detention basin in the Red Rock Park. Plans have been completed and bids are being solicited. The plan is to approve the expenditure on the 18th at the Council meeting.

Capping of Lounsberry Well: Staff is coordinating with Gardner Brothers for the capping project. Currently it appears that they will be available for the work in July.

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.



2015.06.11 11:25:36 -06'00'

Charles Gillette P.E., City Engineer Date