Ivins City
Engineering Report to City Council
March 12, 2015

2015 Street Improvements Project: Staff has started advertising for bids for the 2015 Street Improvements project which will include the following work:

- 200 East Road Widening (near Rod Christiansen Farm)
- 400 East Road Widening (near Rod Christiansen Farm)
- Snow Canyon Parkway Roundabout Pavement Repair (at The Reserve)
- Pioneer Parkway Asphalt Overlay
- 200 East Veterans Home Trail Connection
- Center Street Trail Connection between Painted Hills Dr and Snow Canyon Dr
- 800 South 100 East, reconstruct roadway (small section of old chip seal)
- 100 West 200 South, extend curb and gutter past Best home prone to flooding

Bids are due on April 7th and the project is expected to be awarded April 19th for construction to occur during May and June.

Pumping Station Upgrades: The contractor is working to provide bonds and insurance so that we can execute the agreement and start the work.

Taviawk Tank Overcoat: The ladder has been repaired. Weather and product delivery has caused some delays, but he tank received its first coat on Thursday, March 12, 2015 and the second and final coat will be applied the following Monday where the project will be inspected for a final completion.

Highway 91 Culvert Replacement: This project is part of the NRCS funding received in from the 2012 storm. The plan is to replace the 48" culvert with two 4'x12' box culverts. The boxes have been ordered, the project bids have been received. It is expected that work will be completed about mid April.

Ivins Reservoir: The Water Conservancy District is constructing the causeway dam in April. The City will need to immediately start work on connecting a pipeline to fill the bay.

Red Mountain Dams Rehabilitation Evaluation: On March 5th, an open house meeting was held in the Council Chambers from 5:30 pm to 7:30 pm, approximately 20 interested residents attended the meeting. Some that wanted to come from the Taviawk HOA were not able, so another meeting was held on March 10th at 10 am special for the Taviawk HOA. The comment period for the Draft Environmental Assessment (EA) closed on March 12th and the NRCS is assembling the comments received. The next step will be for the Fish and Wildlife to prepare a biological opinion to become part of the Final EA. http://www.nrcs.usda.gov/wps/portal/nrcs/main/ut/programs/planning/wr/

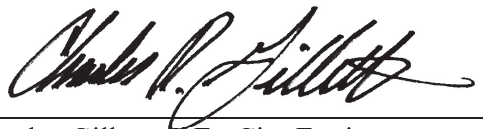
Master Planning: Working on RFPs for irrigation and sewer master plan. The plan is to complete these projects in the next fiscal year.

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 has been awarded to Horrocks and is currently underway. Traffic data is being collected.

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 – done
- Tie together storm drain pipelines at 200 North – done
- Construct berm at 550 West Center Street – done
- Extend curb and gutter down west side of 100 West past Best home – seeking bids
- Add inlets at 400 South Street at approximately 130 West – to be completed by Public Works crew when available.
- 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) – Done
- Adding inlets to west side of Taviawk Drive (shared cost between HOA and adjacent lot owners) – Done
- 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 – To be completed in April.
- 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.
- 200 North Berm at 400 West – Property owner Val Walton has indicated that he would be willing to construct a berm to cut off storm runoff that is passing through Tenaya Sands and then dedicate the remaining part of 200 North Street and the City would then take over maintenance of the berm.
- 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.



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Charles Gillette P.E., City Engineer Date