Ivins City
Engineering Report to City Council
May 14, 2015

2015 Street Improvements Project: The project is under construction. The status of each site as of the date of this report is:

- 200 East Road Widening (near Rod Christiansen Farm) – 30% complete
- 400 East Road Widening (near Rod Christiansen Farm) – 75% complete
- Snow Canyon Parkway Roundabout Pavement Repair (at The Reserve) – 100% complete
- Pioneer Parkway Asphalt Overlay – 100% complete
- 200 East Veterans Home Trail Connection – 95% complete
- Center Street Trail Connection between Painted Hills Dr and Snow Canyon Dr – 95% complete
- 800 South 100 East, reconstruct roadway (small section of old chip seal) – 100% complete
- 100 West 200 South, extend curb and gutter past Best home prone to flooding – 0% complete
- Kwavasa Drive, Low Water Crossing – 0% complete

Pumping Station Upgrades: The pump station should be operational by the 15th.

Old Highway 91 Culvert Replacement: The project has been completed.

Ivins Reservoir: The Water Conservancy District is constructing the causeway dam and will also be installing a 6-inch fill line. Staff is coordinating the sand project accordingly, waiting for the dam contractor to make room for the sand hauling project.

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 city had promised property owners on the west side of 200 East between 400 S and 600 S the construction of the masonry wall. Plans are being prepared for the wall to be constructed before the end of this fiscal year.

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 – under construction
- 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 – Complete
- 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.
- 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