Ivins City Staff Report
City Council Meeting 12/18/2025

Agenda Item: Discuss and consider approval of expenditure for construction of 400 East Storm Drain Replacement project 2026.

Submitted by: Thomas J. Jorgensen, P.E. Public Works Director / City Engineer

Recommended City Council Action:
Approve expenditure of $312,270 for construction of 400 East Storm Drain Replacement project 2026, plus an additional $30,000 for contingency for a total of $342,270.

BACKGROUND:
400 East, also known as the Ivins City "flood street," has a storm drain trunk line located along the centerline of the roadway. The road section is inverted with a concrete valley gutter running down the middle. The existing storm drain pipe was installed in the early 1990s, and the City has experienced issues with this pipeline for many years.

When the pipe was originally installed, the joints were not designed to be watertight or to perform under pressure. Following major storm events, Public Works field crews have repeatedly been called out to repair significant sinkholes above the pipeline. Because the joints are not watertight, stormwater is able to escape through the joints during large events, washing out the soil around and along the pipeline and causing these sinkholes. The resulting settlement has also damaged portions of the concrete valley gutter.

During the original construction, a concrete collar was placed around each pipe joint. The concrete at many of these joints slumped before curing, effectively creating a small "dam" at each joint. These dams cause turbulence, reduce the overall hydraulic capacity of the trunk line, and contribute to the sinkhole problem.

In addition, the City's most recent storm drain master plan identifies this trunk line as deficient in capacity. Due to the combination of structural issues, maintenance history, and capacity deficiency, it has been planned to replace and upsize the storm drain line along 400 East.

A new development, Hafen Farms, is currently under construction on the east side of 400 East between 200 South and 455 South. Prior to the completion of these subdivision improvements, staff recommends that the portion of storm drain line in 400 East be removed and replaced, along with the damaged concrete valley gutter, for the segment between 300 South and 455 South.

This project is included in the City's five-year capital plan. Based on the circumstances described above, staff recommends advancing it in the priority list at this time. While this would move it ahead of other planned projects, staff does not see that as a concern. The projects in the current five-year plan are generally of similar importance, and the opportunity to reduce costs by constructing this project in conjunction with the neighboring development makes advancing it a practical decision.

FINDINGS AND ANALYSIS:
Staff requested an estimate from the contractor currently constructing the Hafen Farms subdivision to install the new storm drain in 400 East. The contractor provided a bid totaling $312,270 for approximately 1,020 linear feet of storm drain replacement between 300 South and 455 South.

Staff has reviewed the estimate and recommends that the City Council approve $312,270 for construction plus an additional $30,000 for contingency, for a total project budget of $342,270.

City staff will provide construction management for the project.

SUPPORT MATERIALS:
- Bid Estimate – 300 South to 455 South

FINANCIAL IMPACT:
The expense has not been budgeted, $11,970 would be paid for from impact fees and the remaining would be paid for from savings.

Respectfully Submitted:

Thomas J. Jorgensen, P.E. Public Works Director / City Engineer

Content Review:

Chuck Gillette, City Manager

Royal T ENTERPRISES

PROJECT PROPOSAL

Project: 400 West 36" Storm Drain
Quote #: 2025-B25
Customer: Ivins City
Date: 11/3/2025 (Valid for 30 Days)

General Conditions	Qty	Units	Unit Price	Total (Rounded)
Project Management	1	LS	5,000.00	5,000
Traffic Control	1	LS	12,000.00	12,000
Project Planning	1	LS	1,000.00	1,000
GPS Modeling & Layout	1	LS	1,000.00	1,000
Total General Conditions				**19,000**

02 - Demolition				
Demo - Remove Asphalt	8,200	sf	1.00	8,200
Demo - Remove concrete waterway	3,390	sf	3.00	10,170
Demo - Remove existing SD pipe	1,020	lf	15.00	15,300
Demo - Remove DI boxes	4	each	500.00	2,000
Total Demolition				**35,670**

03 - Earthwork & Grading				
Subgrade Preparation	12,280	sf	0.50	6,140
Road Base Under Concrete	4,040	sf	1.50	6,060
Road Base Under Asphalt	8,250	sf	1.25	10,310
Finish Grading	12,280	sf	0.50	6,140
Total Earthwork & Grading				**28,650**

05 - Storm Drain				
Storm Drain - Tie-In	2	ea	3,500.00	7,000
Storm Drain - 36" Mainline	1,020	lf	105.00	107,100
Storm Drain - Drop Inlet Boxes 4'X4'	4	ea	6,500.00	26,000
Total Storm Drain				**140,100**

07 - Concrete				
Concrete - Waterway	4,040	sf	12.00	48,480
Total Concrete				**48,480**

08 - Asphalt

Asphalt - Saw Cutting	2,020	sf	2.00	4,040
Asphalt - 3"	8,250	sf	2.50	20,630
Total Asphalt				**21,350**
09 - Extras				
Asphalt co for east side new lane (optional)	4,000	SF	2.50	10,000
Replace existing concrete collars	6	each	950.00	5,700
Total Extras				**15,700**
Total Proposal				**312,270**