Coyote Creek Flood Protection

Montague Expressway to Tully Road ~~Interstate 280~~ – San José

The project is located in the central portion of the Coyote Watershed and extends approximately 9 ~~6.1~~ miles between Montague Expressway and Tully Road ~~Interstate 280~~ in San José.

Preferred project: A federal-state-local partnership

The primary project objective is to reduce the risk of flooding ~~enhance the creek's conveyance~~ to ~~protect~~ homes, schools, businesses, and highways in the Coyote Creek floodplain for floods up to the level of flooding that occurred on February 21, 2017, approximately a 20 to 25 year flood event, ~~from the 1% or greater flood frequency events~~ and includes ~~the~~ planning, design, and project ~~partial~~ construction. Alternative funding sources, including federal funding, state grants, and additional local funding sources, are being explored and will need to be secured ~~identified~~ for full construction of the project. ~~the remaining construction work.~~

Local funding only project:

The local funding only option includes identifying short-term flood relief solutions that are permittable and do not exacerbate flooding elsewhere, with implementation to begin prior to the 2017-2018 winter season. In addition, under the local funding only option, the District will complete the planning and design phases of the preferred project, and identify prioritized elements of the project for construction with the remaining local funds.

Flooding history and project background

Flooding has occurred many times within the Coyote Creek Watershed, including along portions of Coyote Creek in 1911, 1917, 1931, 1958, 1969, 1982, 1983, 1997, 1998, and 2017. The largest flow recorded on Coyote Creek was 25,000 cubic feet per second in 1911, prior to construction of the current two water-supply reservoirs in the upper watershed. The worst flooding in the project reach since Anderson Reservoir was constructed in 1950, occurred in February 2017. Coyote Creek overtopped its banks at several locations between Montague Expressway and Tully Road. Businesses and hundreds of homes were inundated by creek waters for many hours. Highway 101 near Watson Park and various local streets were closed due to flooding, and thousands of residents had to be evacuated and sheltered.

The Coyote Creek Project is located in the central portion of the Coyote Watershed on the mainstem of Coyote Creek, within the City of San José. The original project reach extended approximately 6.1 miles between Montague Expressway and Hwy 280; however, the project reach was extended approximately 2.9 miles upstream to Tully Road in 2017 to include the Rock Springs neighborhood and incorporate the areas impacted by the February 21, 2017 flood event. In addition to the primary objective of reducing the risk of flooding to homes, schools, businesses, and highways from Coyote

Creek flood events, the project may evaluate opportunities to improve fisheries, stream habitat values, and public access.

Benefits

- Implements short-term flood relief solutions
- Provides flood risk reduction for approximately 1,000 parcels ~~Planning and design for flood protection of 1,400 businesses and homes~~ from the level of flooding that occurred on February 21, 2017, approximately a 20 to 25 year flood event, ~~a 1% flood~~ when the entire project from Montague Expressway to Tully Road ~~Interstate 280~~ is constructed
- Improves water quality, enhances stream habitat and recreational opportunities
- Incorporates revegetation and aesthetic elements of the Coyote Creek park chain in the project

Key Performance Indicators

1. Preferred project with federal, state, and local funding: Secure alternative funding sources to construct a flood protection project that provides flood risk reduction from floods up to the level of flooding that occurred on February 21, 2017, approximately a 20 to 25 year flood event, between Montague Expressway and Tully Road. ~~Complete construction of downstream project elements.~~
2. With local funding only: (a) Identify short-term flood relief solutions and begin implementation prior to the 2017-2018 winter season; (b) Complete the planning and design phases of the preferred project; and (c) With any remaining funds, identify and construct prioritized elements of the preferred project.

Geographic Area of Benefit: ~~Milpitas,~~ San José ~~and Morgan Hill~~