



# **Appendix D - Completed Local Structural Flood Control Projects**

**Table D.1 Completed Local Structural Flood Control Projects**

<b>Year Completed</b>	<b>Project Location</b>	<b>Project Type</b>	<b>Brief Project Description</b>
1986	City of Roseville: Rocky Ridge Drive on Linda Creek	Culvert Enlargement	Quadrupled size of culvert at Rocky Ridge Drive on Linda Creek to handle 100-year storm
1986	City of Roseville: Champion Oaks Drive at Linda Creek	Culvert Addition	Culvert added at Champion Oaks Drive at Linda Creek and improved channel upstream to increase channel capacity
1986	Union Pacific Railroad Tracks on Dry Creek	Culvert Improvement	Improved culvert at Southern (now Union) Pacific tracks on Dry Creek
1990	City of Roseville: Diamond Oaks Road	Culvert Enlargement	Enlarged culvert under Diamond Oaks Road thereby protecting 10 homes that flooded in 1986.
1992	City of Roseville: Cirby Creek	Channel Modifications	The City of Roseville lowered the Cirby Creek channel bed up to two feet near Eich Intermediate School and installed geoweb walls on the edge of the channel to Sierra Gardens Drive.
1992	City of Roseville: Cirby Creek between Eich School and Sierra Gardens Drive	Bridge Replacement	Replaced Loretto Bridge over Cirby Creek and widened channel between Eich School and Sierra Gardens Drive. This project brought all nearby homes out of the floodplain.
1993	City of Roseville: Southern Pacific Railroad Bridge	Culvert Replacement	The Southern Pacific Railroad replaced four, 18'x13' elliptical culverts with a concrete bridge on four rows of 15" to 16" piles. The two piers adjacent to Subway Road were lowered to match the existing road grade thereby removing over 150 homes from the floodplain.
1993	City of Roseville: Diamond Oaks	Culvert Replacement	The culvert at Diamond Oaks Road was replaced. This project brought all nearby homes out of the floodplain.
1996	City of Roseville: 1-80 / Cirby Creek	Channel Modifications	The City of Roseville regraded portions of the Cirby Creek channel, just upstream of I-80, and added a floodwall along the north side of the channel. The levees were also regraded and a walkway was installed on the top of portions of the levee. This project brought the entire Tina/Elisa neighborhood of 40 homes out of the floodplain.
1998	City of Roseville: Cirby and Linda Creek to Tiffany Circle	Bypass Pipes / Bike Path / Floodwall	Two parallel 9-foot diameter cast-in-place bypass pipes on Linda Creek, just upstream of the confluence with Cirby Creek, were installed by the City of Roseville. The bypass pipes are 856 feet long and collect water from Linda Creek, bypassing a large bend in the stream, and discharge into Linda Creek, just upstream of the confluence with Cirby Creek. A bike path and floodwall were constructed upstream of the bypass to Tiffany Circle.



<b>Year Completed</b>	<b>Project Location</b>	<b>Project Type</b>	<b>Brief Project Description</b>
1998	City of Roseville: Rocky Ridge Drive to Old Auburn Road	Bypass Channel / Levee / Floodwall	The City of Roseville constructed a 115-foot long, 25-foot wide bypass channel on Linda Creek, upstream of Rocky Ridge Drive. The bypass channel parallels Linda Creek and is separated by about 100 feet. A levee and a floodwall were also installed along portions of the stream below Old Auburn Road.
2004	City of Roseville: Along Riverside, downstream of Darling Way	Bypass Channel	Stream corridor enhancement project with negligible flood control benefit
2005	Sacramento County: Hayer Dam	Dam Removal	Removal of agricultural dam in the lower portion of the Dry Creek watershed to enhance fish passage
2006	City of Roseville: Atkinson Street Bridge	Bridge Replacement	Caltrans and the City of Roseville replaced the two-lane, five-span Atkinson Street Bridge with a five lane, four-span bridge. Floodplain Encroachment analysis performed for the bridge showed a net decrease in water surface elevation upstream of the bridge do to the low chord at a higher elevation and the piers aligned to the direction of flow instead of the previous configuration with the piers skewed to the direction of flow.
Source: City of Roseville, 2010.			

