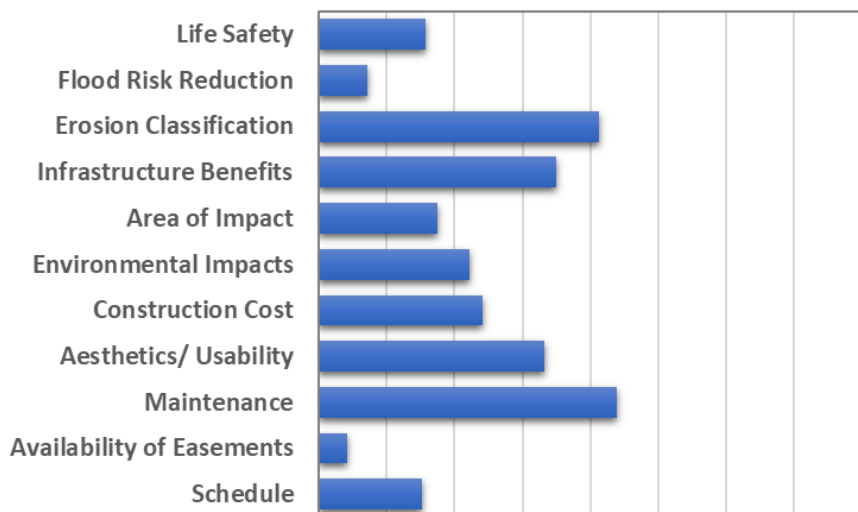
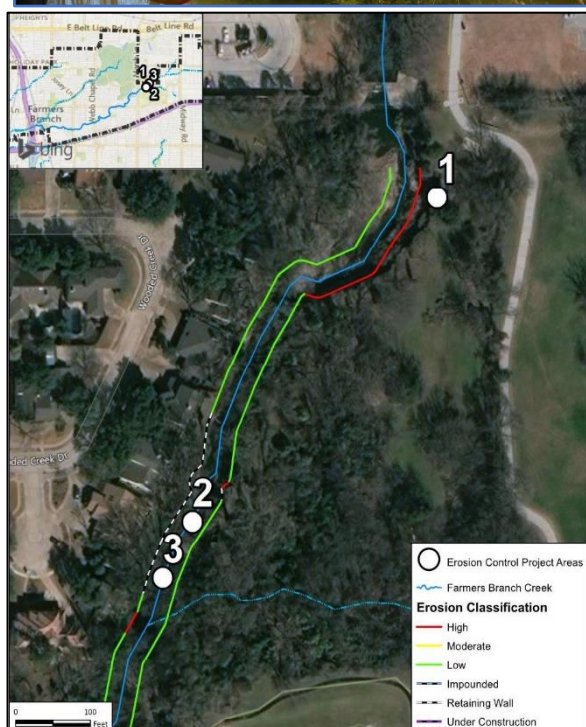


Reference Address:	13800 Block of New Bark Cir		
Project ID: E-3	CIP Rank: 16 of 29	Score: 12.5	Estimated Cost: \$267,050
Problem Description:	Streambank erosion near fence		
Proposed Improvement:	Install 60 LF, 5-FT high MSE wall with 5-FT stone toe protection on right bank. Blend into vegetated, stable upper bank. Subsurface easement acquisition may be required for ground anchors. Geotechnical evaluation may be necessary to ensure stability of nearby fence and backyard patio area.		

Right Bank



*Opinion of Probable Construction Cost
Preliminary – Intended for Review Only*



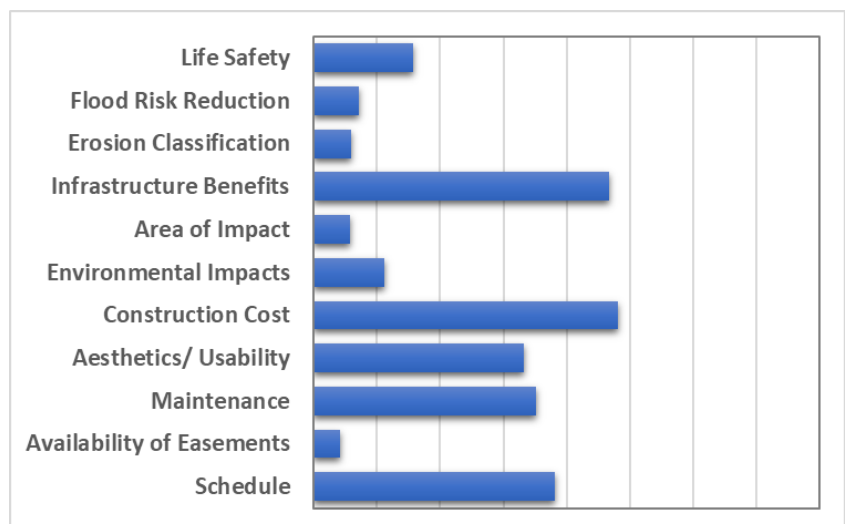
**FARMERS
BRANCH**

Farmers Branch Watershed Study
June 14, 2018



Reference Address:	13800 Block of Wooded Creek Dr		
Project ID: E-4	CIP Rank: 17 of 29	Score: 12.1	Estimated Cost: \$53,020
Problem Description:	Stormwater outfall undercut by 2 FT		
Proposed Improvement:	Existing structure to remain. Backfill and install CIP footer. Add 15 LF rock riprap protection upstream and downstream of outfall structure.		

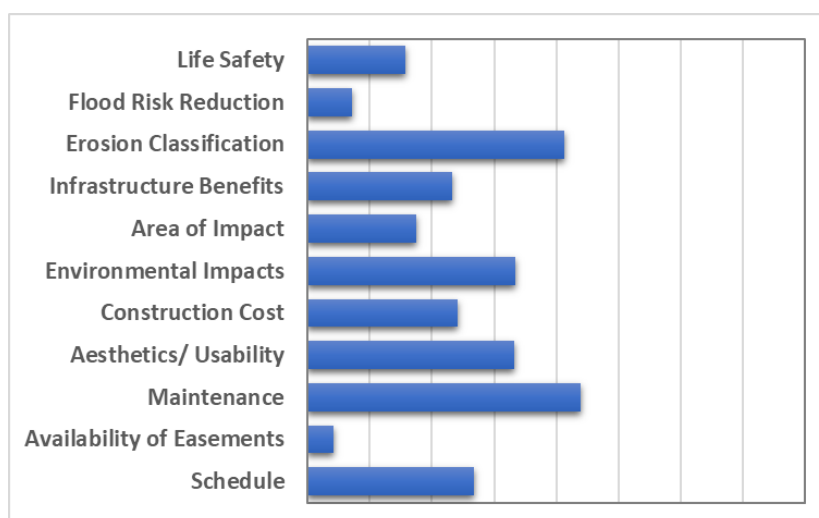
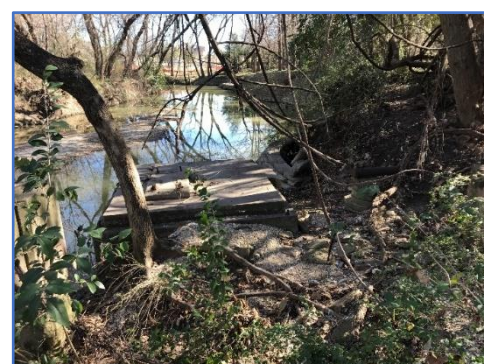
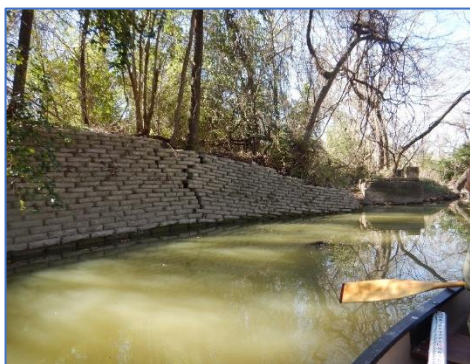
Right Bank



*Opinion of Probable Construction Cost
Preliminary – Intended for Review Only*

Reference Address:	13200 Block of Cedar Ln		
Project ID: E-5	CIP Rank: 15 of 29	Score: 13.1	Estimated Cost: \$495,010
Problem Description:	Collapsing bag wall		
Proposed Improvement:	Remove failing concrete bag wall. Install 150 LF, 6-FT high Envirolok bag wall with 4-FT stone toe protection. Extend structure to tie in behind existing concrete structure downstream. Install stream barbs to protect outside bend and deflect water away from bank.		

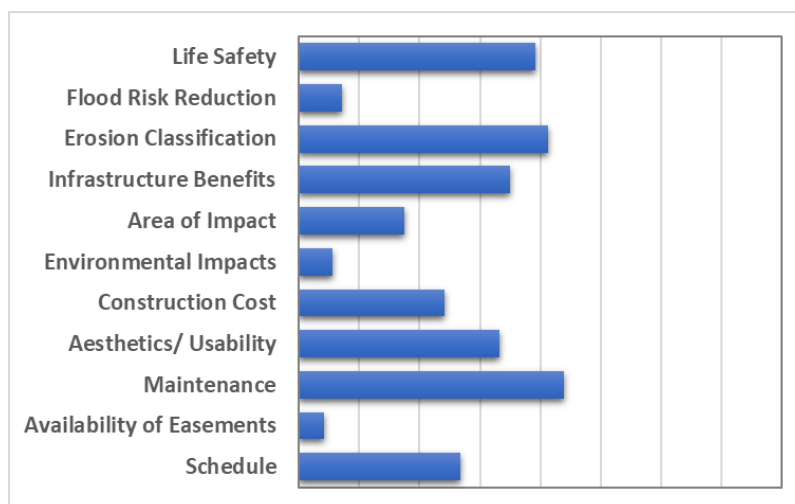
Left Bank



*Opinion of Probable Construction Cost
Preliminary – Intended for Review Only*

Reference Address:	13100 Block of Glad Acres Dr		
Project ID: E-6	CIP Rank: 14 of 29	Score: 13.4	Estimated Cost: \$309,850
Problem Description:	Collapsing bagwall; leaning trees		
Proposed Improvement:	Remove failing concrete bag wall. Remove 2 trees, leave stumps in place. Install 125 LF, 8-FT high modular concrete block wall.		

Right Bank



*Opinion of Probable Construction Cost
Preliminary – Intended for Review Only*