



City of Raleigh
Integrated Stormwater Management Project Prioritization Model (WORKING DRAFT 2.0)

Project Inputs

Project ID Number	2015-0001
Project Name	Simmons Branch Stormwater System and Stream Improvements (Phase 2)
Project Location	Swift Drive between Kaplan and Octavia
Watershed / Sub-Watershed	Walnut Creek Watershed / Simmons Branch Sub-Watershed
Watershed Area Served (Benefitted) by Project (in acres)	652
Council District (A, B, C, D, E)	D
Lead Group for Project	CIP Infrastructure Section
General Category of Project (CIP, DA, SWQCS, CIP-HM, Other)	CIP
Primary Type of Project	Infrastructure
Project Scope (Basic Elements)	Major culvert and stream channel system improvements to alleviate street and structural flooding hazards, upgrade a deteriorating and undersized culvert, and incorporate local drainage system improvements. Integrate street and sidewalk improvements in collaboration within Public Works.
Project Cost Information:	
Study/Engineering Design Cost, estimate (\$)	\$500,000
Construction Cost, estimate (\$)	\$3,800,000
Total Project Cost, estimate (\$)	\$4,300,000
Evaluated by	Stormwater Staff
Date of Evaluation	5/29/2015

Basic Eligibility Criteria

	Yes	No	N/A	[If No, then briefly note why]
B1. Project located within corporate limits of Raleigh	●	○	○	
B2. Project receives and/or conveys public runoff*	●	○	○	
B3. Project not inconsistent with City Strategic Plan + Comprehensive Plan	●	○	○	
B4. For DA and SWQCS projects only, petitioner(s) utility fee payment(s) current	○	○	●	
[*Stormwater Quality Cost Share (SWQCS) projects are the only exception to B2]				

Integrated Prioritization Criteria

	[Criteria Weighting]	[Criteria Scoring Metrics]	[Criteria Scoring]
Public Safety & Public Health			
PSH 1. Threat to human life			
PSH 2. Threat to emergency access/critical location			
PSH 3. Other (non-life) threat to public safety/health			
Flood Hazard Reduction Benefits			
FHR 1. Street Flooding			
FHR 2. Structural Flooding			
FHR 3. Non-Structural Flooding			
Water Quality Benefits			
WQ 1. Water Quality Target Area			
WQ 2. Pollutant Treatment/Load Reduction benefits (efficiency)			
WQ 3. Erosion control/sediment reduction benefits			
Regulatory Mandates and Compliance			
RMC 1. NPDES MS4 Stormwater Permit/Stormwater Management Program			
RMC 2. Other Local, State, Federal Regulatory Programs			
Stormwater Infrastructure Asset Management Benefits			
AM 1. Infrastructure condition/effective service life			
AM 2. Infrastructure capacity/level of service			
AM 3. Consequence/risk of infrastructure failure			
AM 4. Infrastructure asset operation & maintenance benefits/cost savings			
Watershed Management Benefits			
WM 1. Stream system/riparian area benefits			
WM 2. Protect/restore floodplain functions			
WM 3. Protect/restore natural hydrologic conditions			
WM 4. Linkage to watershed/basin master plan/phased system improvements			
WM 5. Known drainage/water quality problem area/valid complaints history			
Community Support and Implementation Complexity			
CSIC 1. Level of community support/acceptance			
CSIC 2. Right-of-Way/Easement availability			
CSIC 3. Project regulatory permitting/mitigation requirements			
CSIC 4. Public and private utility impact/relocation considerations			
Resource Leveraging Opportunities			
RL 1. Grant funding opportunity			
RL 2. Public-private (non-City) funding partnership opportunity			
RL 3. Attractive/beneficial loan funding opportunity			
RL 4. Cost per Area served (\$/acre); (or Cost per lb N for WQ SCM)			
Indirect Community Benefits			
ICB 1. Leading/innovative stormwater management practice			
ICB 2. Intraoral public educational opportunity			
ICB 3. Opportunity to collaborate area improvements with other department(s)			
ICB 4. Level of consistency with City Strategic Plan + Comprehensive Plan			

Project Vicinity
Map:



Representative
Photo(s):

Project ID No.	Project Score (0 - 100)	Benefit Score (0 - 100)	Cost/Area Served (\$/Acre)	Cost/Benefit Index (\$/B)
2015-0001			\$6,595	