RANKING METHODOLOGY

Weight (Total = 100%)

A₁ **Benefits to Property Owners / Occupants**
- Number of Properties Directly Benefited by Project
(e.g., controls flooding, erosion, structural deteriorization)

Score (A_{1s})		Weight (A_{1w}) =	25%
10	if more than 100 beneficiaries		
7	if between 51 and 100 beneficiaries		
5	if between 11 and 50 beneficiaries		
3	if between 1 and 10 beneficiaries		
0	if no direct beneficiaries		

B **Severity / Frequency of Averted Structural Damage or Loss of Life**

Score (B_s)		Weight (B_w) =	25%
10	Immediate, Direct Threat Frequent Flooding > every 2 years		
7	Immediate, Indirect Threat Frequent Flooding > every 5 years		
5	Potential, Indirect Threat Flooding > every 10 years		
0	No Known Threat No Structural Flooding		

C **Severity / Frequency of Averted Roadway Flooding (Vehicle Safety)**

Score (C_s)		Weight (C_w) =	20%
10	Frequent Flooding $\geq$ 2 ft deep		
7	Infrequent Flooding $\geq$ 2 ft deep		
5	Infrequent Flooding < 2 ft deep		
3	Infrequent Flooding < 8 inches deep		
0	No Roadway Flooding		

D **Water Quality / Habitat Benefits**

Score (D_s)		Weight (D_w) =	10%
10	Significant Reduction in Pollutant Discharges / Habitat Degradation		
5	Moderate Reduction in Pollutant Discharges / Habitat Degradation		
0	No Increase in Pollutant Discharges / Habitat Degradation		
-3	Moderate Increase in Pollutant Discharges / Habitat Degradation		
-10	Significant Increase in Pollutant Discharges / Habitat Degradation		

E **Matching Funds**

Score (E)		Weight (E_w) =	10%
10	75% or greater match of local funds or in-kind services		
5	50% match of local funds or in-kind services		
0	No match		

F **Total Project Cost**

Score (F)		Weight (F_w) =	10%
10	< $250,000		
5	< $500,000		
0	> $500,001		

Ranking Formula

$$A*Aw + B*Bw + C*Cw + D*Dw + E*Ew + F*Fw = Ranking$$

Example

A: 22 properties = 5
B: Frequent flooding > 5 years = 7
C: Mostly back yards, < 8" = 3
D: New pipe yielding faster velocities = -3
E: 50% local match – 5
F: <250k = 10

$$5*.25 + 7*.25 + 3*.2 + -3*.1 + 5*.1 + 10*.1 = 4.8 \text{ of } 10 \text{ max}$$