Life Cycle Cost Analysis - HEC 17

Discount Rate	
Analysis Period (years)	

Repair in-kind Alternative

Initial Project Cost	
Service Life (years)*	

Project Description									
									Total
Event Recurrence Interval (yr)	2	5	10	25	50	100	200	∞	
Damage Repair Cost after Event									
Event exceedance probability	0.5	0.2	0.1	0.04	0.02	0.01	0.005	0	
Average Annual Risk		$0	$0	$0	$0	$0	$0	$0	$0
PW Risk - Over the Analysis Period									#DIV/0!
PW Project Cost over Analysis Period (Adjusted for Remaining Service Life)									#DIV/0!
Life Cycle Cost (Total Project Cost over Analysis Period)									#DIV/0!

Betterment Alternative

Initial Project Cost	
Service Life (years)*	

Project Description									
									Total
Event Recurrence Interval (yr)	2	5	10	25	50	100	200	∞	
Damage Repair Cost after Event									
Event exceedance probability	0.5	0.2	0.1	0.04	0.02	0.01	0.005	0	
Average Annual Risk		$0	$0	$0	$0	$0	$0	$0	$0
PW Risk - Over the Analysis Period									#DIV/0!
PW Project Cost over Analysis Period (Adjusted for Remaining Service Life)									#DIV/0!
Life Cycle Cost (Total Project Cost over Analysis Period)									#DIV/0!

* Service Life ≥ Analysis Period	Benefit/Cost Ratio =	#DIV/0!