

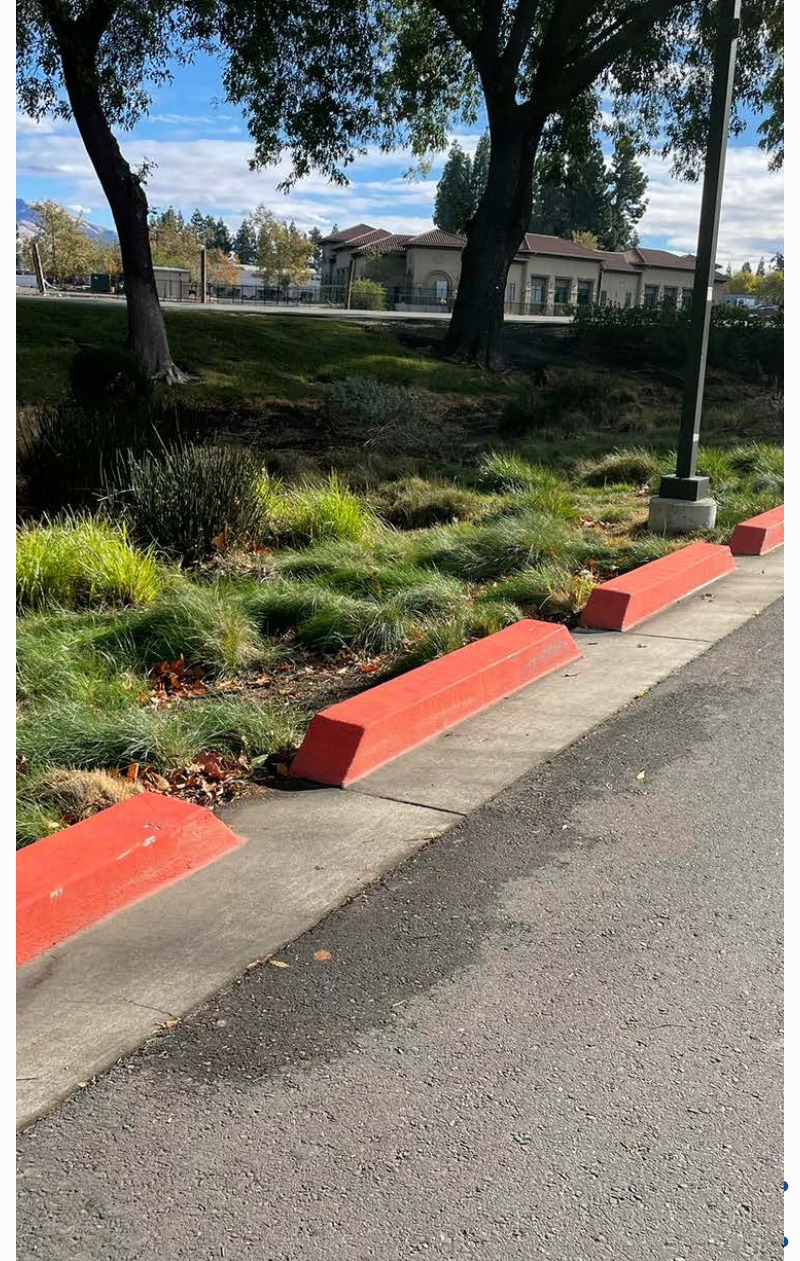


SMCWPPP

Asset Management Update

8/20/2026

Presented by:
Jeff Sinclair, EOA INC.



MUNICIPAL REGIONAL STORMWATER PERMIT

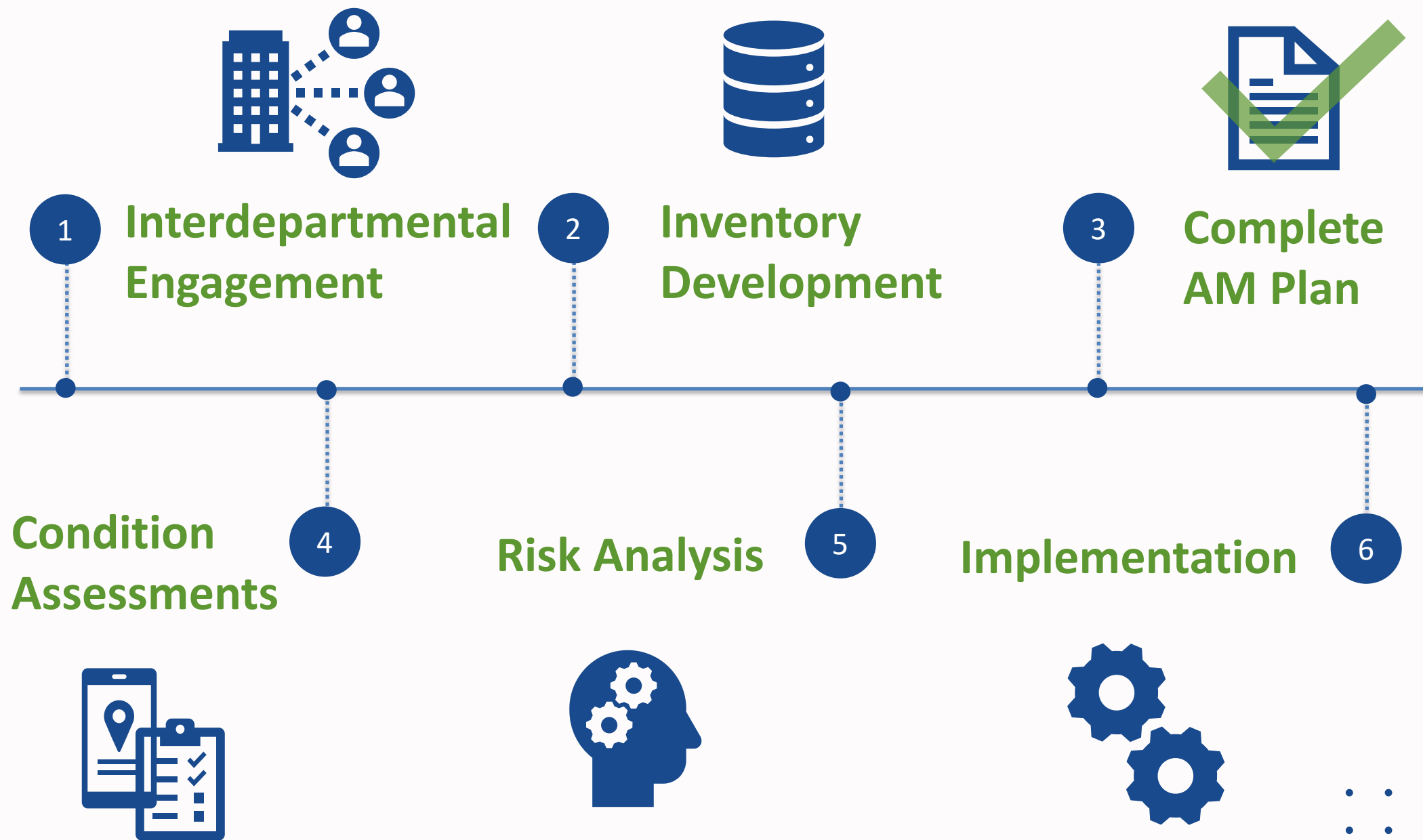
Develop and implement plan to ensure the satisfactory condition of all **publicly-owned structural controls** *that protect water quality.*

Include:

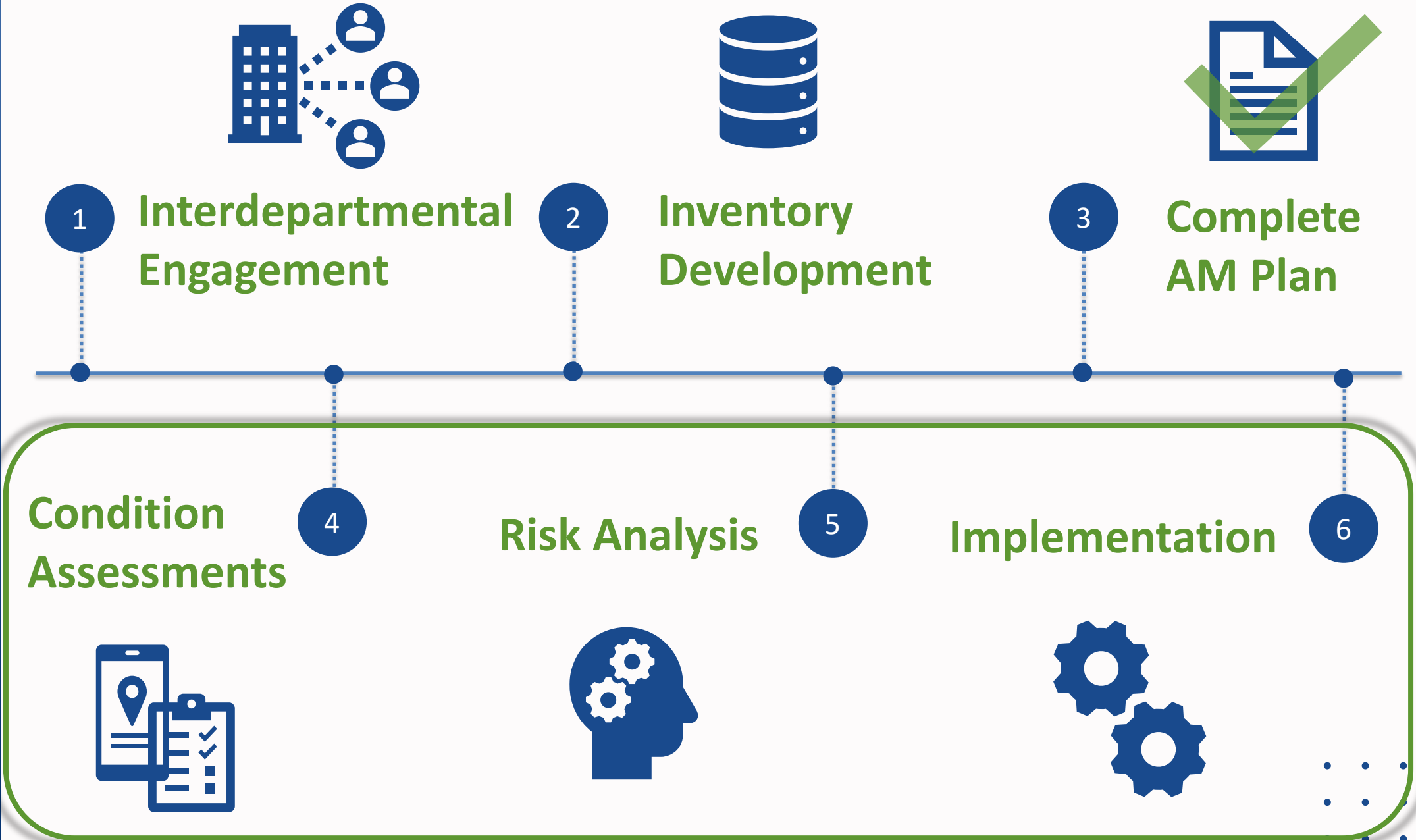
- Description of asset categories
- Inventory of existing assets
- Cost evaluation
- Operations and Maintenance Plan that describes processes for:
 - Evaluating risk
 - Condition assessments
 - Prioritizing and scheduling O&M



Asset Management Roadmap



Asset Management Roadmap



CONDITION ASSESSMENT PURPOSE

Condition Assessments are intended to:

1

Generate score based on aggregated assessment (including good & bad)

2

Identify trends and set frequencies

3

Identify maintenance need category



Condition Assessments can be a part of inspections or work orders but require less focus on capturing specific issues for correction

Condition Assessments



DEFINE SCORING



CONDUCT
TRAINING



COLLECT DATA

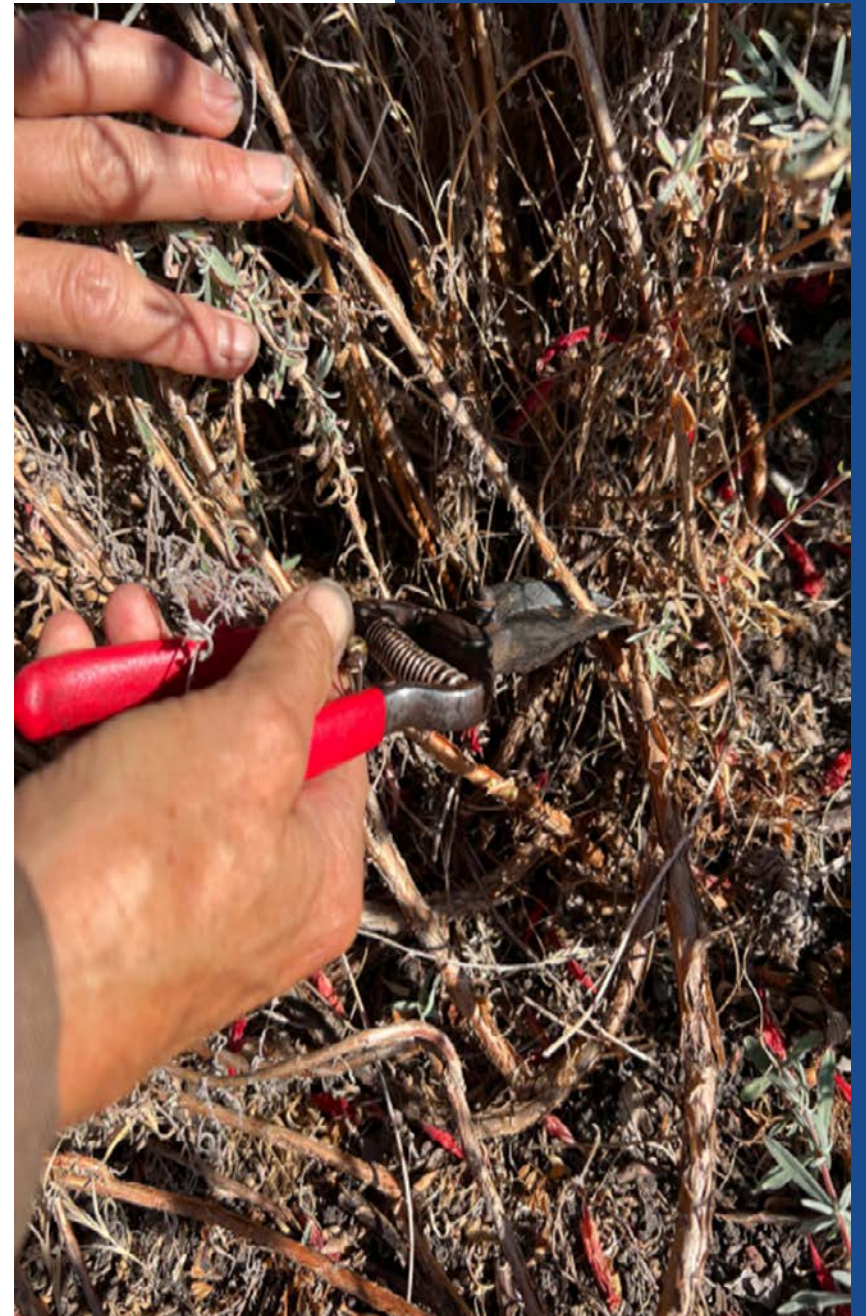


CALIBRATE AND
RESCORE



Post Condition Assessments

- QAQC assessment results
 - Review maintenance descriptions and photos
- Assign maintenance tasks to correct issues
 - Determine current frequencies and estimated level of effort
- Track actual costs
 - Use case study locations to develop average costs for projections
- Adjust frequencies as needed based on results and risk





Risk Analysis Components

- **Likelihood of Failure (LoF)*** - measure of the probability that an asset will fail due to certain considerations such as asset condition, function, location, or age.
- **Consequence of Failure (CoF)*** - measure of the magnitude of impact (e.g., on public safety, water quality) an asset will have if it fails.

**Required per Provision C.21.b.i.(3)(iii)*

LoF and CoF Scoring

LoF PARAMETERS:	1 Unlikely	2 Possible	3 Likely	4 Very Likely
Condition Assessment Score	Excellent	Good	Moderate	Poor
Location in high pedestrian traffic area	Low	Moderate	High	Very High
Mechanical conveyance	Not Present	--	--	Present

CoF PARAMETERS:	1 Minor	2 Moderate	3 Major	4 Severe
Compliance (Drainage Area Size)	≤ 0.5 acre	0.6 - 1 acres	1 - 5 acres	> 5 acres
Cost of Replacement (Capital Cost)	\$	\$\$	\$\$\$	\$\$\$\$

Implementation Next Steps:

- Maintain interdepartmental coordination
- Refine cost estimates
- Interface with asset management system
- Develop supporting documentation:
 - o SOPs & Guidance
 - o Role/Responsibility list
 - o Schedules
- Adaptive management





THANK YOU!

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