



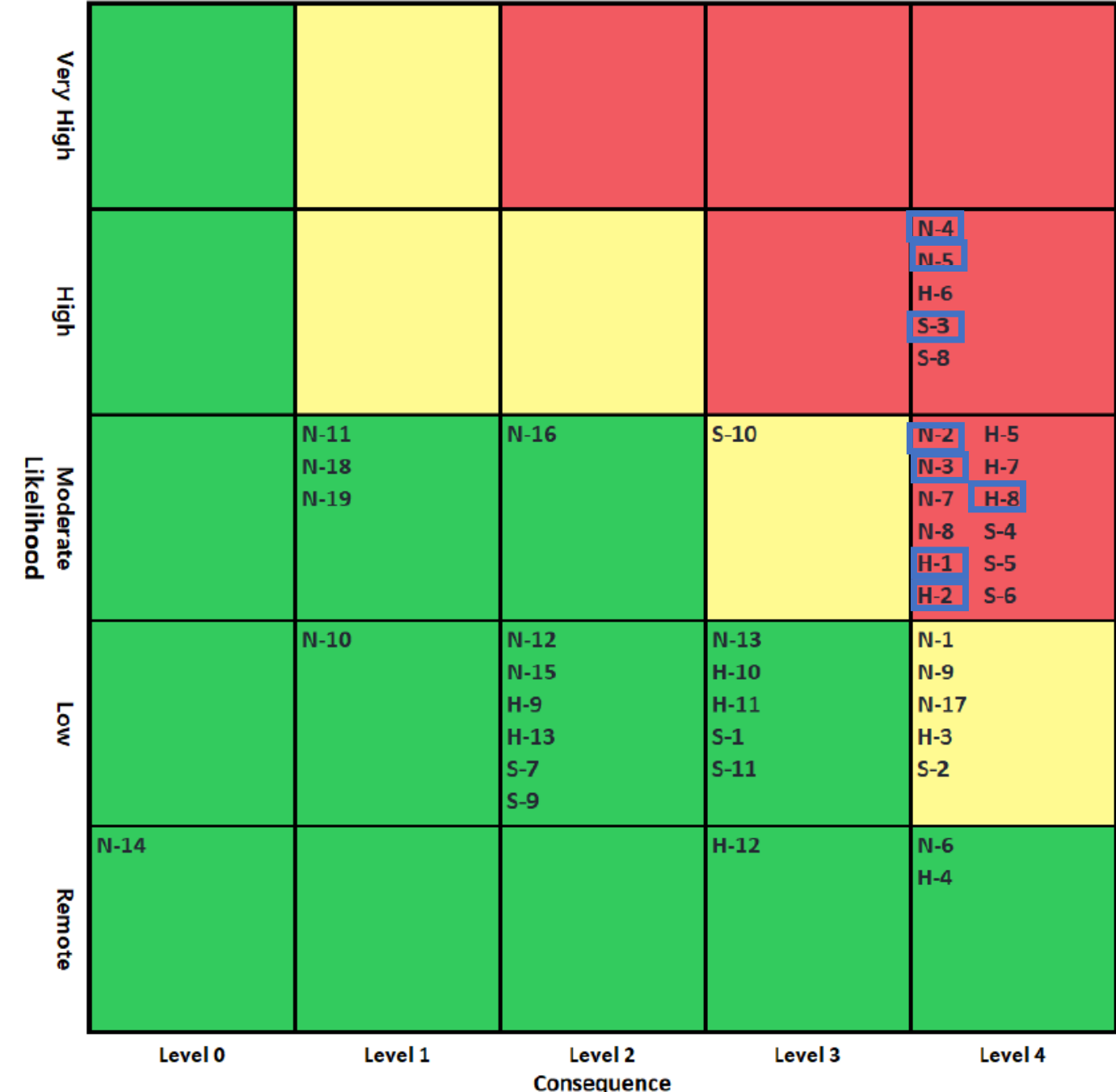
Concrete Assessment and Service Life Evaluation (CAASLE AMENDMENT No. 1)

***Presented by
Mike McClendon
Upper Basin Regional Manager***



Table 1-1: Summary of Higher-Risk Potential Failure Modes Identified in 2019 SQRA

PFM Number	PFM Title	Likelihood	Consequence	Confidence
N-2	Bulkhead Deck Slab Failure due to Structural Concrete Deterioration during Normal Operations	Moderate	Level 4	Medium
N-3	Spillway Deck Slab Failure due to Structural Concrete Deterioration during Normal Operations	Moderate	Level 4	Medium
N-4	Upstream Bulkhead Corbel Failure due to Structural Concrete Deterioration during Normal Operations	High	Level 4	Poor
N-5	Upstream Spillway Corbel Failure due to Structural Concrete Deterioration during Normal Operations	High	Level 4	Poor
H-1	Upstream Deck Slab Failure due to Structural Inadequacy during Hydrologic Event	Moderate	Level 4	Medium
H-2	Upstream Corbel Failure due to Structural Inadequacy during Hydrologic Event	Moderate	Level 4	Poor
H-8	Downstream Spillway Slab Failure due to Structural Concrete Deterioration during Hydrologic Event	Moderate	Level 4	Medium
S-3	Corbel Failure due to Structural Inadequacy caused by Seismic Event	High	Level 4	Poor



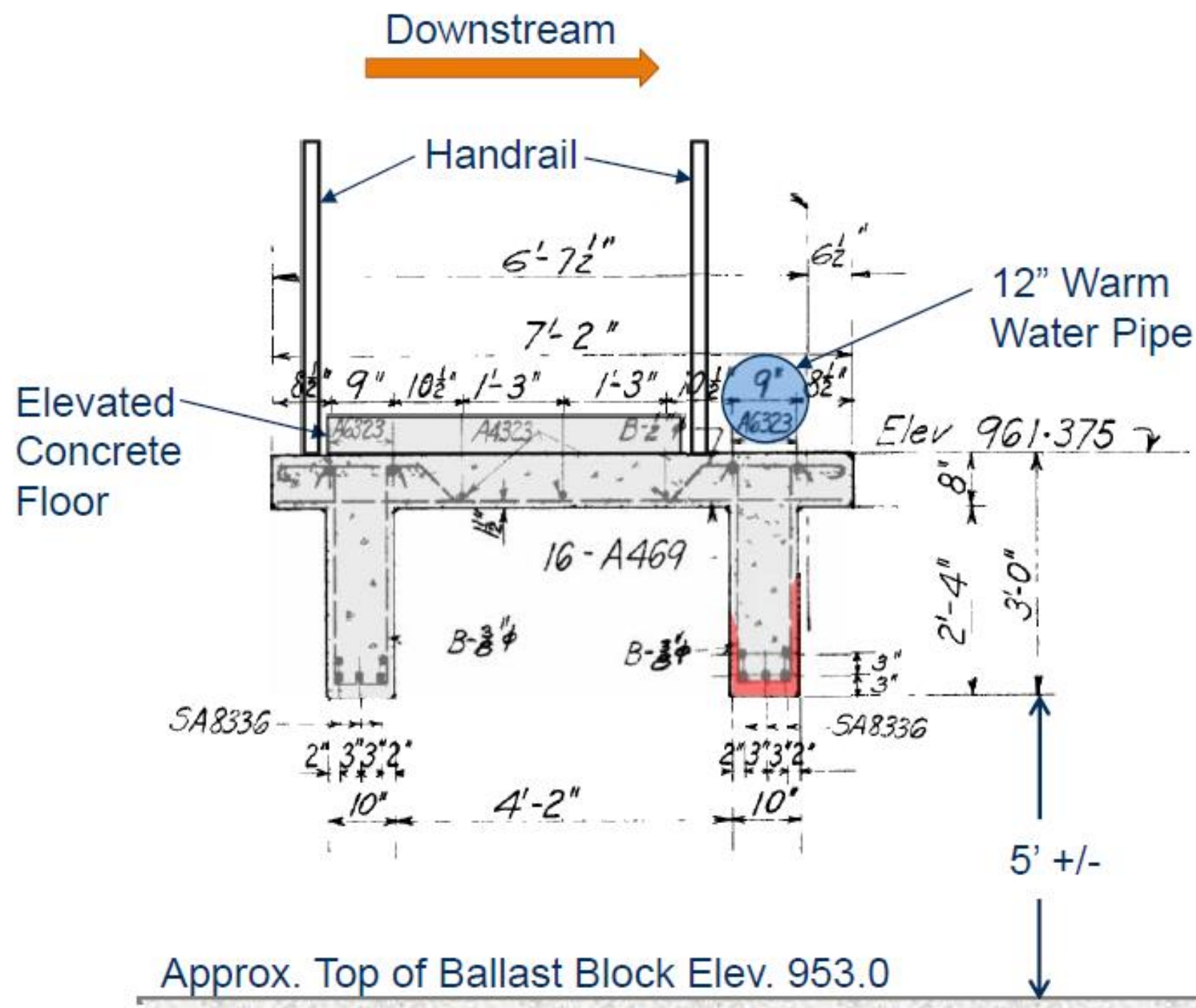


Photo 1: 8/9 Walkway Beam Delamination and Exposed Reinforcement



Photo 2: 8/9 Walkway Beam Delamination and Exposed Reinforcement

Temporary Shoring

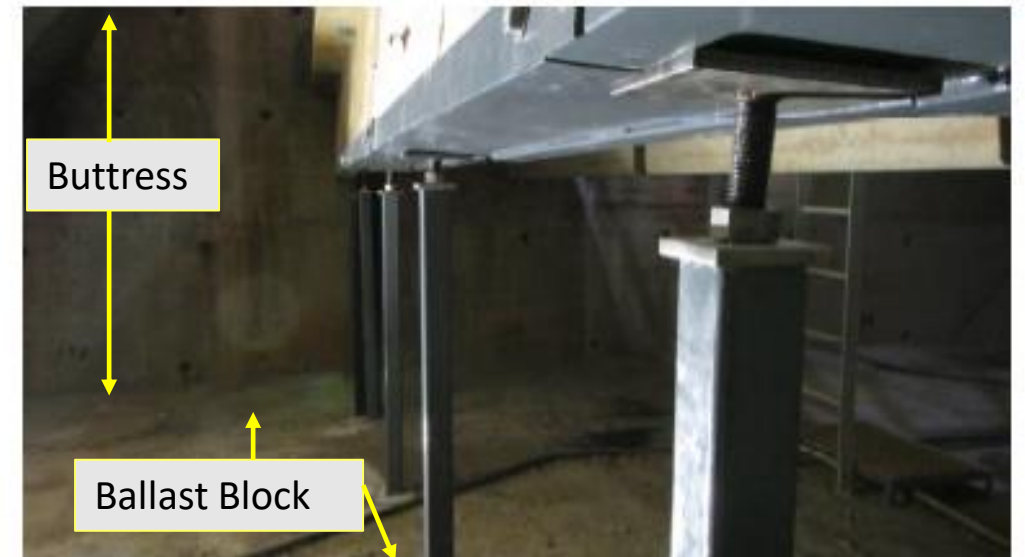


Amendment Number 1

Existing Phase III PSA NTE: \$774,000

Proposed Amend. No. 1: \$60,000

Amended PSA Total: **\$834,000**





“BE IT RESOLVED that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO to execute Amendment Number 1 to the professional services contract with Gannett Fleming Inc. for Phase III of the Comprehensive Assessment and Service Life Extension project increasing the total not to exceed amount by \$60,000.”



Brazos

RIVER AUTHORITY