



Project Description and Scope:

The pedestrian bridge serves as the exit discharge from the Williams center Gym 1. This pedestrian bridge spans from the entry/exit of the gym to a large slab on grade walkway. Thirteen (13) code required doors exit directly from the gymnasium onto the pedestrian bridge and two (2) doors exit through a vestibule. This is approximately 49'-8" of egress width, which can handle 2800 occupants. The bridge is constructed of reinforced concrete and has been topped with a water proofing membrane. The bridge was constructed in two segments. The original building drawings were dated from 1965 and showed a 10" reinforced concrete slab. The drawings from the ramp addition were dated from 1996 and showed a 14" reinforced slab. This project will remove the existing emergency fire exit ramp from Gym 1 and replace with a similar structure to provide emergency egress from Gym 1 in case of an incident. Gym 1 is used to host the UWW men's and women's basketball games.

Project Justification:

The pedestrian bridge was previously repaired approximately 10-12 years ago when a urethane membrane was installed over the slab. That has failed and allowed water and deicing materials to deteriorate the concrete and reinforcement in the slab. The underside of the slab has quit a few hairline cracks, rust stains, exposed rebar, peeling paint and spalling of concrete. The corners of the slab, where it meets the bearing location, have cracked concrete and large chunks of concrete missing. This is also the case along the slab edges where guardrails are attached. It is theorized that this is from the center of the slab sagging and causing the edges to rise and crack. The slab is supported by the building on the south side, a concrete beam line at the center, and a retaining wall along the north side. At the north side, the retaining wall shows many signs of deterioration. Cracks are numerous in the walls and stains show where water infiltration has been able to penetrate through the wall. The east and west upper corners of the retaining walls have sheared, cracked and moved bricks where water has been able to infiltrate.

Issues/Concerns:

None at this time

Project Priority Score: 109

Project Benefit Score: 3

Estimated Project Costs:

Construction	\$830,900
Equipment/Other	\$12,000
Design Fees	\$68,000
Management Fees	\$36,600
Contingency	\$83,100
Total Project:	\$1,030,600

Operating Budget Impact:

Custodial Staff	
Maintenance Staff/Expenses	
Utility	
Other	

Annual Operational Impact:

Funding:

General Fund Supported Borrowing	\$587,400
Program Revenue Supported Borrowing	\$443,200
Building Trust Funds	
Gifts and Grants	
Program Revenue Cash	
Campus Funds	
Total:	\$1,030,600

Proposed Timeline:

State Enumeration:	
A/E Selection:	April 2017
35% Design Report:	
Bid Date:	January 2019
Substantial Completion:	September 2020
Occupancy:	

* Project implementation underway prior to implementation of project priority tool