

**COUNTY OF MILWAUKEE  
INTEROFFICE COMMUNICATION**

**DATE:** August 24, 2020

**TO:** Scott Manske, Chair, Capital Improvements Committee

**FROM:** Greg High, Director, AE&ES Section, DAS-FM Division

**SUBJECT:** **Revised Cost Estimate for WO64301 War Memorial Center Flood Mitigation- CIC Consideration**

**BACKGROUND**

The project under consideration is the adopted capital project WO64301 War Memorial Center Flood Mitigation. The proposed scope of work is to provide a permanent solution to be able to separate the lake water from the storm sewer system, at least the portion of the system which is subject to flooding due to high lake levels this past year and flooding contiguous areas of the Milwaukee Art Museum / War Memorial complex. The submitted capital budget request is \$450,000.

DAS-FM has been working with the MAM/WMC and a planning consultant to prepare a refined cost estimate for this work. In general, the scope of work and cost sources are listed below, and a summary cost provided. We recommend carrying a contingency of 20% as actual costs for some of the equipment are being carried as allowances, and while these values are based on previous and similar work, the marketplace, especially for pumps and controls, is not as predictable due to high demand. The scope of work includes:

- Design, Construction Inspection, Start-up; Submittals; Layout and surveying;
- (1) precast concrete lift station (approximate size is 8' x 14' x 8' deep)
- (4) Single speed pumps with Lead/Lag control. Approximately 15 to 20HP / 480V – 800 to 1000gpm per pump
- Bilco Access Doors over the pumps.
- Pumps on slide rails (\$75,000 allowance for pumps, rails and panel)
- Electrical allowance (\$15,000 allowance)
- Disposal of spoil to local landfill (\$12,000 allowance, assuming historic fill with impacts)
- Construction dewatering
- Stone base for the lift station
- Slurry backfill around the lift station
- Connection of the existing sewer to the lift station (no valve on the sewer, this may be desired from operational perspective)
- Pressure discharge lines pipe up the parking garage wall, cored through the wall and south into a collection manhole. Then gravity sewer into the existing manhole.
- Plug the existing sewer as needed
- Concrete pad poured over the lift station (600 sf allowance)
- Landscape restoration
- Recommend carrying a 20% contingency for the budget request and unknowns

Total Estimated Cost is \$459,000. With 20% contingency and 12% for AE&ES staff fees, the total estimated cost is \$605,880.

Chairman Manske

August 24, 2020

Page 2

RECOMMENDATION

The Director of the Department of Administrative Services respectfully requests that the CIC consider increasing the allocation of funding to \$605,880 for the construction of the WO64301 War Memorial Center Flood Mitigation project in 2021.

Prepared by: Greg High, AE&ES, DAS-FM

Approved By:

---

Gregory G. High, P.E., Director  
AE&ES Section, DAS-FM Division  
Department of Administrative Services

Cc: Vince Masterson, Fiscal & Strategic Asset Coordinator, DAS  
Pamela Bryant, Capital Finance Manager, Comptroller's Office  
Justin Rodriguez, Capital Finance Analyst, Comptroller's Office  
Julie Landry, Director, DAS  
Stuart Carron, Director, DAS-FM