

## Department of Public Works – Engineering Division

### MEMO

**TO:** Utilities Committee

**FROM:** Paula Vandehey, Director of Public Works  
Ross Buetow, Deputy Director/City Engineer  
Sue Olson, Staff Engineer

**DATE:** March 18, 2020

**RE:** Approval to single source and award the 2020 StormTrap Waterproofing Inspection of the underground structure at Appleton East High School to Midwest Coating Solutions, LLC (MCS) in an amount not to exceed \$22,900.

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The Department of Public Works is requesting approval to single source and award the 2020 StormTrap Waterproofing Inspection of the underground structure at Appleton East High School (AEHS) to Midwest Coating Solutions, LLC in an amount not to exceed \$22,900. The StormTrap structure at AEHS is an underground flood control structure, holding approximately 14.1 acre-feet of water located under the Emmers Drive and John Street parking lots. It was constructed in 2013-2014 in two phases. Per the design, the entire structure cannot leak more than 18 gallons per minute at all leak locations combined.

MCS was the original waterproofing contractor and inspected the structure once for leaks since construction. At that time, no significant leaks were observed. There are also warranties for the waterproofing material and installation that require regular inspection by MCS.

The following tasks are included in the proposed scope of services:

- Enter the structure with Graef staff using confined space entry support supplied by Graef (Graef will perform structural inspection, see separate memo)
- Observations and reporting of leaks in access manholes (19)
- Walking through the entire system at Appleton East High School to inspect for leaks and test the rate of leaks
- Documentation of observed issues with notes and photos
- Inspect specific cells that were patched with the original construction to ensure coating remains in good condition
- Perform water proofing of minor repairs to meet structure limit of 18 gallons per minute
- Provide recommendations for next water proofing inspection

Based on the warranty for the water proofing material and installation, it is anticipated that this inspection will always be a single source request. Staff remains confident in this company and their product.