

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 Structural Inspections of the underground structures at Appleton East High School and the Exhibition Center to Graef in an amount not to exceed \$49,818.

The Department of Public Works is requesting approval to single source and award the 2020 StormTrap Structural Inspections of the underground structures at Appleton East High School (AEHS) and the Exhibition Center to Graef in an amount not to exceed \$49,818. The StormTrap structure at Appleton East High School 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. Graef was the design engineer for the AEHS structure and staff assigned to this inspection were involved with the original design and construction.

The StormTrap structure at the Fox Cities Exposition Center was constructed in the parking area along Elm Street. This structure is an underground wet pond for water quality that only serves the Exposition Site, and is small in comparison to the structure at AEHS. This will be the first inspection of this structure since it was constructed. Both sites are proposed to be inspected this year for efficiency.

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

- Confined space entry and attendant for Graef and Midwest Coating Solutions, LLC (water proofing contractor, see separate memo)
- Safety equipment and lighting for Graef employees
- Walking through the entire system at both Appleton East High School and the Exhibition Center
- Documentation of observed issues with notes, photos and/or video evidence for further evaluation
- Observations and reporting of condition of access manholes (19)
- Recommendations for structural repairs and leaks
- Compile data and prepare a report

- Assist City with review of proposed leak repair by waterproofing contractor
- Provide recommendations for next water proofing and structural inspections

This is the first structural inspection of both sites since their initial construction and staff believes that the original design and construction team from the AEHS project can provide the best information in regard to any changes that may have occurred to the AEHS structure and the condition of the Exhibition Center structure. Once the structural condition is shown to be stable and/or the consultant staff familiar with the structure are no longer available, this inspection may be quoted and not single sourced.