



April 15, 2021

City of Aurora
44 E. Downer Pl
Aurora, IL 60507
Attn: Jim Birchall

RE: Aurora Police Department Cooling Tower

Dear Mr. Birchall,

F.H. Paschen has visited the project site with the City of Aurora and agreed to the following scope of work. We are pleased to present the following scope of work for your review.

Scope of Work

- Remove existing PVC fill and integral drift eliminators and galvanized steel louver supports. PVC louvers to remain.
- Remove and salvage anti-vortex hood and strainers for reinstallation.
- Remove the complete deteriorated hot water basin and distribution boxes assembly, including galvanized steel covers.
- Furnish and install complete new 304 stainless steel hot water basin and distribution box assembly, including galvanized steel covers, new strainer and new nozzles.
- Furnish and install new galvanized steel air inlet louver supports. Supports to be etched and coated with the rest of the cooling tower.
- Media blast, with environmentally safe garnet stone, to near white metal, the interior cooling tower cold water basins, anti-vortex hood, louver supports and side walls next to the fill sheets.
- Apply G-235 galvanized steel patch over any holes in the steel, seal patch with mastic tape, and apply an extra thick trowel grade version of the CIM elastomeric polyurethane to the seams.
- Apply caulk to prepared seams to ensure a leak free tower and protect against vibration.
- Spray apply primer and CIM 2000 elastomeric polyurethane membrane liner to the prepared areas of the cooling towers cold water basins.
- Furnish and install non-corrosive fiberglass fill support grid designed to elevate the fill 6"-8" above the basin floor to allow for easy cleaning under the fill.
- Furnish and install new high efficiency bottom supported PVC fill and drift eliminators.
- Furnish and install hold down angles, seals, and diverters required to seal new fill and keep water from bypassing louvers and drift eliminators.
- Reinstall existing air inlet louvers.
- Reinstall anti-vortex hood and strainers.
- Reconnect the existing piping to the new hot water basins.
- Test towers for proper operation.



Alternate No. 1: Install 2nd Access Ladder to Existing Platform

- Furnish and install 2nd access ladder, identical to the existing ladder, on opposite side of service platform.

Alternate No. 2: Inspect Mechanical Components

- Inspect mechanical drive system including bearings, fan belt, fan, motor, and mechanical supports.
- Grease bearings and tighten belts.

Clarifications

- Alternate No. 1 must be completed with Base Bid.
- This proposal *excludes* the removal and disposal of any hazardous material.
- This proposal *excludes* any permits.
- This proposal *excludes* any unforeseen conditions that may arise.
- This proposal *excludes* any overtime or premium time, proposal is based on normal work hours.
- This proposal *includes* only the following items described in the above scope.

Please review this information at your earliest possible convenience and advise us as to how you wish to proceed. All required documents will be submitted at your request. If you have any questions or concerns, please do not hesitate to call.

City of Aurora

Date

Mark Holmes

4/15/2021

F.H. Paschen, S.N. Nielsen & Associates, LLC

Date: