## City of Duluth
### Port Security Additions
Duluth, MN

### Index of Drawings
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  - T300 - Camera/Node Locations
  - T301 - Connectivity Diagram
  - T302 - Camera Detail & CCTV Logical Diagram
  - T303 - Lift Bridge Detail

### Premise Security Legend
- Exterior Surveillance Camera
- PTZ Pan Tilt Zoom
- Wireless Mesh Node
- Light Pole
- Wireless Access Point

### General Legend
- Detail Number
- Sheet Number
- Detail Notations
- NORTH
- North Arrow
- ETR Existing to Remain
- PBO Provided by Others
- EC Division 26 Electrical Contractor
- PSC Premise Security Contractor

### General Notes
1. Please Note: Site Plans provided by others, Elert & Associates does not take responsibility for accuracy. All distances and locations must be field verified by successful contractor prior to installation.
2. All building site conditions must be field verified in all cases by the proposer.
3. All cables shall be concealed.
4. All cabling, conduit and raceway must be rated for the environment in which they are installed.
5. All conduit measurements refer to standard conduit trade sizes.
6. Not all keynotes may be utilized on every sheet.
7. It is the intent that the contractor include all required materials for a complete IPVMS system as indicated on these drawings and specifications. All required materials shall be included in proposal. Contractor is required to visit the sites to verify the mounting hardware, obstacles, conditions etc., and shall provide a proposal for complete system.
8. Security contractor shall visit site and determine appropriate mounting method for each. Contractor shall provide and install appropriate housing and mounting accessories for each exterior camera.
9. Everything shown on drawings shall be provided and installed by the Contractor unless noted otherwise.
City Hall: Provide and install one exterior wireless mesh node (with associated antenna) on the main building to connect back to City Hall. Provide and install one (1) pole mounted PTZ camera with pole mount enclosure and mounting hardware on Pole K2.

Lakewood Treatment Center: Provide and install two (2) building mounted PTZ cameras with Wireless compact flashcard and exterior antenna on different corners of the Pump House Building to cover vehicle traffic. Provide and install one (1) pole mounted PTZ camera on light pole at the northern Lift Bridge tower. Provide and install remote monitoring equipment server at this location to process and store video from all seven cameras locally. Provide and install Wireless viewing station on existing City FC with the Main Building to view seven local cameras only.

Highway 39 Bridge: Provide and install one (1) pole mounted PTZ camera (with pole mount enclosure) on a light pole at the northern Lift Bridge tower. Provide and install one (1) pole mounted PTZ camera with pole mount enclosure and mounting hardware on Pole K2.

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NEW WIRELESS NODE

NEW PTZ CAMERA #12

NEW PTZ CAMERA #14

NEW FIXED CAMERA #10

BRIDGE OFFICE

NEW WIRELESS NODE

NEW PTZ CAMERA #11

NEW PTZ CAMERA #13

NEW FIXED CAMERA #9

1 LIFT BRIDGE DETAIL
SCALE: NONE