

April 23rd, 2024

Village of Lombard
255 East Wilson Avenue
Lombard, IL
Attn: Scott Neetz

Integrated Building Automation is pleased to present to you the following proposal. This proposal is to install Carrier direct digital controls for the HVAC system. The following is included:

Drawings Dated: N/A

Page Numbers: N/A

The following is included in the i-Vu Cloud bid:

- ❖ Furnish and install low voltage control wire for all new Carrier DDC work.
 - Furnish and install an extension of the existing BACnet MS/TP communication network.
- ❖ Furnish and install (1) one XT router and integration into Carrier i-Vu Cloud with thermal graphics, email alarming, and data trending.
 - First year and one time onboarding fee is included.
 - (2) Two static I.P. addresses and ethernet cable furnished by customers I.T. for remote access.
- ❖ Furnish engineering, project management, programming, submittals, and O & M manuals.
- ❖ Labor and Material.

The total price is **\$12,510.00**.

Please note that the i-Vu Cloud has an unlimited device license and will receive automatic updates from Carrier. Carrier's i-Vu Cloud is hosted on AWS servers and includes backup servers. The i-Vu Cloud is a SaaS (Subscription as a service) which is \$3,000.00/year but will not require additional i-Vu updates.

The following is included in the village hall bid:

- ❖ Furnish and install low voltage control wire for all new Carrier DDC work.
 - Furnish and install a BACnet MS/TP communication network.
- ❖ Furnish and install (1) one AHU controller in an existing enclosure.
 - Furnish and install start/stop/status for supply and return fans.
 - Furnish and install signal to existing VFDs.
 - Furnish and install duct mount temperature sensors.
 - Furnish and install mixed air damper signals, existing actuators will be reused.
 - Furnish and install interlock to existing freeze stat.
 - Furnish and install DX cooling enable.
 - Furnish and install electric heating enable.
- ❖ Furnish and install (3) three Carrier RTU cards with wiring harness.
 - Furnish and install (3) three current transducers.
 - Furnish and install (3) three ZS sensors with LCD and setpoint.
 - Furnish and install (3) three discharge air temperature sensors.
 - Furnish and install (3) three economizer damper actuators.
- ❖ Furnish and install (2) two AHU controllers in enclosures for EOC room and Channel 6 control room.
 - Furnish and install (2) two current transducers.
 - Furnish and install (2) two ZS sensors with LCD and setpoint.
 - Furnish and install (2) two discharge air temperature sensors.
- ❖ Furnish BACnet MS/TP integration of (1) one humidifier, card furnished and programmed by humidifier manufacturer.
- ❖ Furnish BACnet MS/TP integration of Aeon server room A/C units, card furnished and programmed by Aeon.
- ❖ Furnish and install (1) one global outside air temperature and humidity sensor.
- ❖ Furnish and install (1) one XT router (for Carrier BACnet controllers and is also required for i-Vu Cloud), (1) one XT Link (for non-Carrier BACnet controllers) and integrate into main Carrier i-Vu BAS with thermal graphics, email alarming, and data trending.

- (2) Two static I.P. addresses and ethernet cable furnished by customers I.T. for remote access.
- ❖ Furnish engineering, project management, programming, submittals, and O & M manuals.
- ❖ Labor and Material.

The total price is **\$71,450.00**.

The total price for AHU control is **\$10,590.00**.

The total price for (3) three RTU control is **\$13,895.00**.

The total price for EOC room and Channel 6 control room control is **\$12,540.00**.

The total price for Aeon unit integration is **\$5,665.00**.

The total price for the i-Vu integration is **\$16,960.00**.

The total price for the Carrier XT Link is **\$8,695.00**

The following items and services are not included in any of the above pricing:

- Line voltage to control enclosures, Equipment start-up, Starters, Provide or install any equipment, Water Treatment, Crane Lifts, Glycol, Cutting, Patching, Coring, Fire stopping, Roofing, Remove or install Ceilings, Premium Time, City Permit Fees, Bonds, Water Balancing, Routine Maintenance, Shop Drawings, As Built Drawings, Street closure permits, Transit permits of any kind, Utility cost of any kind, Liquidated damages of any kind, Plumbing work of any kind, Painting of any kind, Dumpsters, Excavation, backfill, Temp Heating or Cooling, Concrete work, Refrigerant Relief valves or vent piping, Condensate Pumps, In-line pumps, pump lead lag components/ controls, Hot Taps, Demo Work, and Insulation.(Unless noted above)
- Hazardous material handling or working in contaminated areas (asbestos, lead paint, etc.).
- Certified payroll is not included in the above proposal.
- In the event that the controls contractor is called to the site for equipment adjustments, and it is determined that the issue is not related to temperature controls (i.e. mechanical issues), the controls contractor will be paid at a straight rate of \$165.00 per hour.
- Integrated Building Automation thanks you for your business. Invoicing and payment shall be in accordance with the terms stipulated in the quotation issued by Integrated Building Automation. All invoices issued are due within 30 days of invoice date, invoices past due will be charged a 1% late fee per month on late invoices.

This proposal is based on normal working hours from 7:00am to 3:30pm, Monday through Friday and is subject to review after 30 days. If you have any questions or concerns, please feel free to contact me at any time. Thank you.

Respectfully,



Craig Cymerman
President
craigc@i-bas.com
(224) 422-2802



Integrated
Building Automation



CONTROLS EXPERT

Proposal Acceptance

By: [Handwritten Signature]

Title: Village President

Date: 5/2/24