



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

November 14, 2014

SUBJECT: FAU Route 187 (Washington Street)  
Project CMM-9003(923)  
Section 11-00121-11-BR  
Lake County  
Contract No. 61A63  
Item No. 1X, November 21, 2014 Letting  
Addendum A

## NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised pages 226 and 233 of the special provisions
2. Revised plan sheets 28,41,45,148,151,154,155, and 169

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John Baranzelli, P.E.  
Acting Engineer of Design and Environment

A handwritten signature in cursive script, appearing to read 'Ted B. Walschleger', followed by a small 'P.E.' to the right.

By: Ted B. Walschleger, P. E.  
Engineer of Project Management

immediate shutdown in case of an emergency. Reset of any faults shall also be accomplished by putting the switch to the OFF position.

- j. Indicating lights to signal:
- k. Test button for indicating lights.
- l. Alarm Horn with silencer switch per NFPA 110.
- m. Terminals shall be provided for each signal (see above), plus terminals for common fault and common pre-alarm. Dry contacts for Generator Run and Generator Fail signals need to be included in the generator control panel.

I. DIGITAL INSTRUMENT PANEL:

- 1. An instrument panel shall include:
  - a. Dual range voltmeter 3-1/2" inch, +/- 2% accuracy
  - b. Dual range ammeter 3-1/2" inch, +/- 2% accuracy
  - c. Voltmeter - ammeter phase selector switch.
  - d. Lights to indicate high or low meter scale.
  - e. Direct reading pointer-type frequency meter 3-1/2", 0.5% accuracy, 45 to 65 Hz scale.
  - f. Panel illuminating lights.
  - g. Battery charging voltmeter.
  - h. Coolant temperature gauge.
  - i. Oil pressure gauge.
  - j. Running time meter.
  - k. Voltage adjust rheostat.
- 2. Installed Accessories Shall Include:
  - Silencer:  Industrial  Residential  Critical
  - Tail Pipe & Rain Cap
  - Flexible Exhaust
  - Duct Adapter Flange
  - Block Heater: 1800-watts, single-phase
  - Flex Fuel Lines
  - Fuel System:  Solenoid Valve  Dry Fuel Strainer
  - Electronic Governor
  - Breaker:  Safeguard  Molded Case Line
  - Common Failure Relay
  - Battery & Rack
  - Battery Charger
  - Oil Drain Extension
  - 5 year warranty from the date of equipment start-up**
  - Fuel Regulator  Primary  Secondary (complete with proper isolation valves)
  - Remote Emergency Break Glass Stop Button
  - Automatic Transfer Switch NEMA-1 (mounted inside the building)
- 3. The automatic transfer switch shall have a "hard-wired" interlock with the main disconnect.

3.15 PUMP STATION BUILDING

A. ELECTRICAL CONDUIT AND WIRING

back-up system shall be as described in the above paragraph, and shall continue until the system is manually reset by the operator.

6. DEWATERING PUMP AND CONTROLLER

- a. A separate pump control panel shall be included within the controls enclosure. The single pump controller shall be in a NEMA 1 enclosure and with operators thru the door. The panel shall be for manual pump down operation only with automatic low water shut down feature. The control panel shall include the circuit breaker, contactor, overload, hand and off switch for manual operation. The pump control panel shall operate the 230 volt, 1 phase pump as required. The pump shall be rated for 100 GPM @ 25' TDH, 2" discharge. Provide submersible pump by same manufacturer as main pumps.

7. HEATING AND VENTILATION

- a. Provide exhaust fan, 12" with gravity shutter, including galvanized sheet metal canopy with insect screen. Fan shall be direct drive, with aluminum blades, steel hub, wire guard and minimum 14 gauge steel mounting panel. Fan shall provide 1,000 CFM @ .125" s.p.. Motor shall be 120v, 1 phase, 1/12 HP. Provide wall collar and mounting hardware.
- b. Provide 5KW, 480v, 3 phase wall mounted electric unit heater with integral thermostat and trip-over switch including mounting channel, outlet and brackets. Unit heater shall have completely enclosed fan motor, aluminum fin, copper clad steel element sheath, and steel housing with adjustable discharge louvers. Provide unit mounted control transformer if required.

8. LOUVERS AND DAMPERS

- a. Stationary louvers in combination with motorized dampers complete with motor operator shall be provided with the pre-cast concrete building. Louvers/dampers shall be as required for engine-generator intake and discharge of combustion and cooling air. The louvers shall have storm proof blades. Both intake and discharge dampers shall be motor operated and equipped with insect screens. Louvers/dampers shall have an anodized aluminum finish. Louvers and dampers shall be sized to provide adequate air flow to the fully loaded generator set, limit restriction of the air flow as required by the generator set manufacturer, and to minimize the chance of water ingestion with excessive air flows. Minimum sizes of louvers/dampers are shown on the drawings and contractor shall coordinate and verify adequacy of size. The motor operators for dampers shall be 120 vac, two position, electrically powered closed, spring-powered open. Operators shall be installed to "fail safe" and permit air-flow through the louvers under power loss conditions.

9. OPENINGS & PENETRATIONS

- a. Various openings and penetrations are required in the building exterior panels to accommodate features (other than doors) such as louvers, fans and vents. Such openings shall be provided by the building manufacturer. No openings shall be cut in the building structure at the site unless specifically approved by the building manufacturer (in