

TOTAL SHEET NO. SECTION COUNTY 2005-020I COOK 16 12 STA. TO STA. FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT 6294

BEFORE CUTOVER THE CONTRACTOR SHALL INSTALL 3 NEW FEEDER CABLES FROM NEW UPS DISTRIBUTION PANELBOARD TO THE FOLLOWING:

UPS-1 PANELBOARD 1ST FLOOR COMMUNICATIONS ROOM:

CONTRACTOR TO INSTALL NEW FEEDER CABLE AND CONDUIT TO UPS-1. CONTRACTOR MUST BE AWARE THAT FLOOR MUST BE CORE DRILLED TO ROUTE CONDUIT RISER TO 1ST FLOOR. SUGGESTED CONDUIT ROUTING IS SHOWN FOR CONTRACTOR REFERENCE DNLY. CONTRACTOR ROUTING IS SHOWN FOR CONTRACTOR REFERENCE ONLY. CONTRACTOR SHALL DETERMINE BEST CONDUIT ROUTING PATH AND CORE DRILLING LOCATIONS AND REVIEW WITH IDOT PRIOR TO PROCEEDING. REFERENCE PARTIAL ELECTRICAL PLAN. THIS SHEET. NOTE: NEW PANELBOARD SHALL BE RECESSED TYPE. AFTER INSTALLATION OF PANELBOARD THE WALL SHALL BE RESTORED TO MATCH PRIOR EXIST. CONDITION INCLUDING BUT NOT LIMITED TO PAINT TO MATCH EXSITING WALL COLORS. COORDINATE WITH IDOT PROJECT ENGINEER PRIOR TO ALTERING WALL IN ANYWAY.

UPS-2 PANELBOARD 1ST FLOOR COMMUNICATIONS ROOM.

CONTRACTOR TO INSTALL NEW FEEDER CABLE AND CONDUIT TO UPS-2. CONTRACTOR MUST BE AWARE THAT FLOOR MUST BE CORE DRILLED TO ROUTE CONDUIT RISER TO 1ST FLOOR. CONTRACTOR SHALL DETERMINE BEST CONDUIT ROUTING PATH AND CORE DRILLING LOCATIONS AND REVIEW WITH IDOT PRIOR TO PROCEEDING. REFERENCE PARTIAL ELECTRICAL PLAN, THIS SHEET.
NOTE: NEW PANELBOARD SHALL BE RECESSED TYPE. AFTER
INSTALLATION OF PANELBOARD THE WALL SHALL BE RESTORED TO
MATCH PRIOR EXIST. CONDITION INCLUDING BUT NOT LIMITED TO
PAINT TO MATCH EXSITING WALL COLORS. COORDINATE WITH IDOT THIS SHEET. PAINT TO MATCH EXSITING WALL COLORS. COORDINATE WITH IDOT PROJECT ENGINEER PRIOR TO ALTERING WALL IN ANYWAY. INSTALLATION OF PANELBOAD UPS-3 SHALL BE THE SAME AS DESCRIBED FOR UPS-1 AND UPS-2 ABOVE. ALL THE AFORMENTIONED PANELBOARDS SHALL BE 100 AMP, 120/208 VOLT. THREE PHASE, 4 WIRE PLUS GROUND BAR. PANELS SHALL HAVE CAPACITY FOR 42 CIRCUITS.

THE ABOVE WIRES SHOULD BE PRE-PULLED IN ADVANCE OF CUTOVER DATE LEAVING 5 FEET OF WIRED COILED FOR FINAL TERMINATION AT PANELBOARD. NOTE: THE EXIST. POWER DISTRIBUTION SYSTEM MUST BE LEFT OPERATIONAL UNTIL PRIOR APPROVAL IS RECEIVED FROM IDOT FOR AN ACCEOTABLE CUTOVER DATE AND TIME.

APPROVAL IS RECEIVED FROM IDUI FUN AN AUCEUIADLE CUIVELY DATE AND TIME.

AFTER THE SUCCESSFUL TRANSFER OF LOADS OF THE 1ST SYSTEM, THE SAME PROCEDURE SHOULD BE FOLLOWED FOR TRANSFER OF LOADS FOR THE 2ND UPS SYSTEM.

AFTER CUTOVER IS COMPLETE BEGIN REMOVAL OF ENCLOSURES ITEMS 2, 3, 4, 6, 7 & 8 FROM WALL IN UPS ROOM. CONTRACTOR IS TO DELIVER EXIST. ITEMS 1 AND 2 (10KVA & 5KVA RESPECTIVELY) TO DESIGNATED MAINTENANCE STORAGE AREA AS DIRECTED BY IDOT. NOTE: CONDUITS FOR ITEMS 3 AND 4 ARE TO REMOVED BACK TO SOURCE.

UPGRADE AND REPLACEMENT OF BATTERIES AFTER UPS ON-LINE PHASE FOUR:

STEP-A

THE CONTRACTOR SHALL START THE REMOVAL OF EXIST, WET CELL BATTERIES FROM EXIST, BATTERY ROOM. STEP-B.

BATTERIES SHALL BE REMOVED AND DISPOSED OF TO MEET ALL EPA REGULATIONS AND GUIDELINES FOR DISPOSAL OF HAZARDOUS MATERIAL.

STEP-C.
INSTALL NEW BATTERY RACKS TO COMPLY WITH SEISMIC 1 CONSIDERATIONS FOR EARTHQUAKES.

JEF APPLICABLE, INCREASE SIZE OF EXIST. WALL MOUNTED BATTERY BREAKER TO COMPLY WITH MANUFACTURERS RECOMMENDATION.

STEP-E.
CONTRACTOR TO INSTALL NEW CONDUIT AND WIRING FROM BATTERY
BANK TO NEW 40 KVA UPS SYSTEM AS REQUIRED TO MEET
MANUFACTURERS REQUIREMENTS. NOTE: EXIST. CONDUIT AND/OR
CC CABLING MAY BE RE-USED OR RUN IN PARALLEL WITH NEW
WIRNG TO MEET INCREASED CAPACITY REQUIREMENTS FOR NEW
ADVA 40KVA UPS.

DEVICTORS

BATTERY ROOM FACILITY MODIFICATIONS
CONTRACTOR TO COORDINATE WITH DEPARTMENT THE PARTIAL
REMOVAL OF EXIST, WALLS AT EXIST, LOWER LEVEL BATTERY
ROOM AS NECESSARY FOR THE CONSTRUCTION OF NEW DIVIDING
WALL PARTITION AND NEW DOOR INSTALLATION FOR THE NEW WALL PARTITION AND NEW DOUR INSTALLATION FOR THE NEW STORAGE ROOM. CONTRACTOR TO MATCH EXIST. WALL CONSTRUCTION AND FINISHES UNLESS OTHERWISE DIRECTED BY DEPARTMENT. THE CEILING AREA AROUND THE AIR CONDITIONING DUCTS SHALL BE SEALED. A NEW DOOR SHALL BE INSTALLED ON NORTHEAST WALL OF STORAGE ROOM AS SHOWN ON PARTIAL LOWER LEVEL PLAN. DOOR/FRAME SIZE, MATERIAL, HARDWARE, FINISH
SHALL MATCH THAT OF EXIST, BATTERY ROOM DOOR AND SHALL
HAVE A MATCHED KEY LOCK PER DIRECTION OF THE ENGINEER. UPS-05

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