CONTRACT NO. 68110 COUNTY TOTAL SHEETS NO. F.A.P. SECTION 318 72-(6-L)RS PEORIA 89 71 STA. TO STA. FED. HOAD DIST. NO. ILLINOIS FED. AID PROJECT AC LINE TO AC LINE FROM TRANSFER RELAY TRANSFER RELAY AND INVERTOR AND INVERTOR INVERTER/CHARGER BATTERIES (WITH INTERNAL TRANSFER RELAY) NC NO INO NC. SPDT NO/NC CONTACT CLOSURES (ENERGIZED WHEN SYSTEM IS ON BATTERY POWER) SPDT NO/NC CONTACT CLOSURES (ENERGIZED WHEN SYSTEM IS ON BATTERY POWER AND THERE AC POWER TO SIGNAL EQUIPMENT IS LESS THAN 40% CAPACITY REMAINING) SPDT NO/NC CONTACT CLOSURES (ENERGIZED BYPASS SWITCH (3 POSITION) WHEN SYSTEM HAS BEEN ON BATTERY POWER FOR MORE THAN TWO HOURS) SPDT NO/NC CONTACT CLOSURES (ENERGIZED ON INVERTER/CHARGER FAILURE, BATTERY NOTES: FAILURE OR WHEN BATTERY IS COMPLETELY DISCHAGED) 1. TB - #8 TERMINAL BLOCKS 2. NO - NORMALLY OPEN 3. NC - NORMALLY CLOSED 4. NO/NC CONTACTS SHALL ALL TOGGLE SIMULTANEOUSLY WITH A SINGLE MANUALLY OPERATED SWITCH. NEMA SIGNAL 5. THE MANUAL BYPASS SWITCH SHALL ONLY SWITCH LINE POWER. MANUAL BYPASS SWITCH THE NEUTRAL AND EQUIPMENT GROUND SHALL NOT BE SWITCHED AC LINE POWER CABINET UTILITY LINE AND SHALL BE CONNECTED TO THE NEMA CABINET BUSSES. (3 POSITION) TO SIGNAL CABINET POWER ON BATTERY LOW BATTERY TIMER BBS FAIL NC NO NO/NC CONTACTS MAY SHARE OR USE SEPARATE COMMONS. ILLINOIS DEPARTMENT OF TRANSPORTATION BATTERY BACKUP SYSTEM

DATE NAME SCALE NAME

BLOCK DIAGRAM BYPASS SWITCH DIAGRAM TRAFFIC SIGNALS SHEET 18 OF 18 SCALE: VERT.

DRAWN BY CHECKED BY