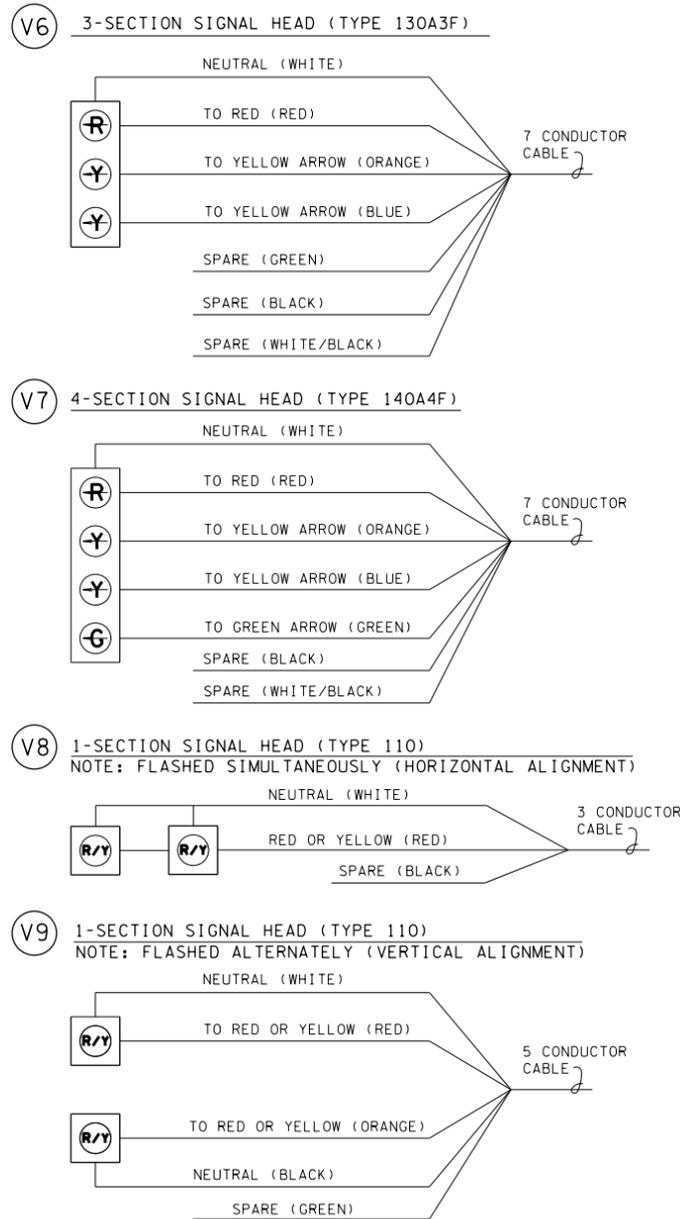
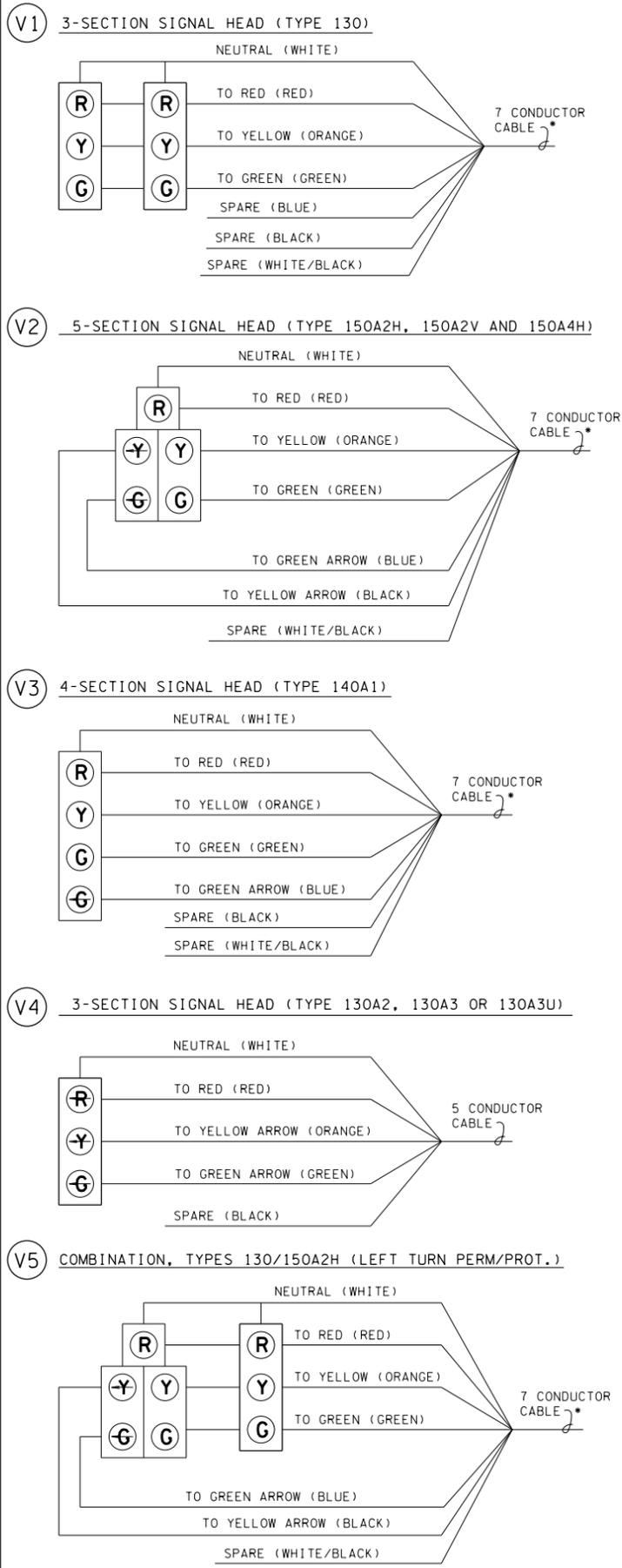
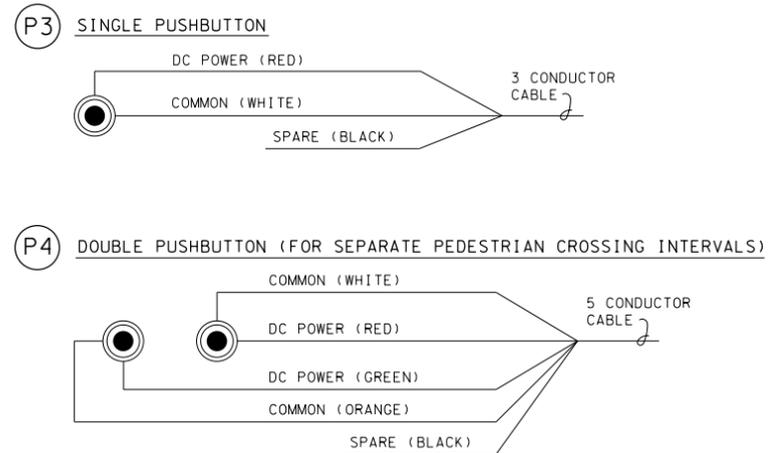
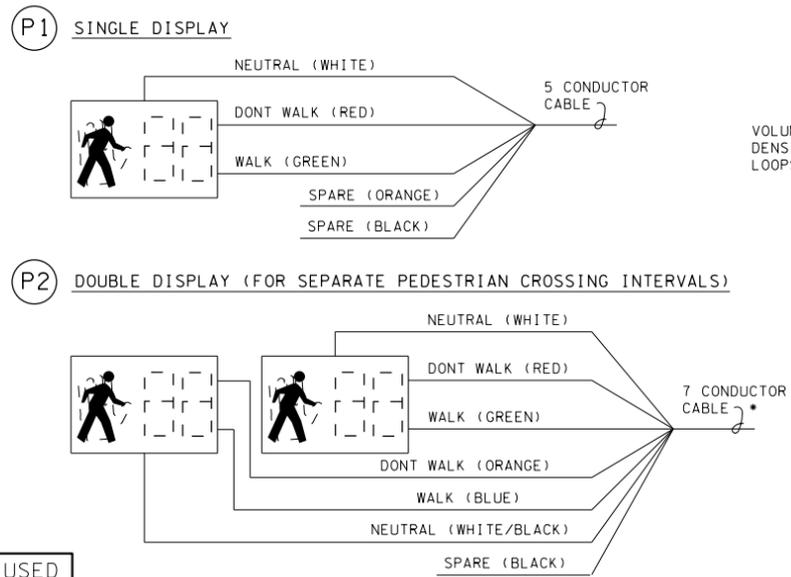


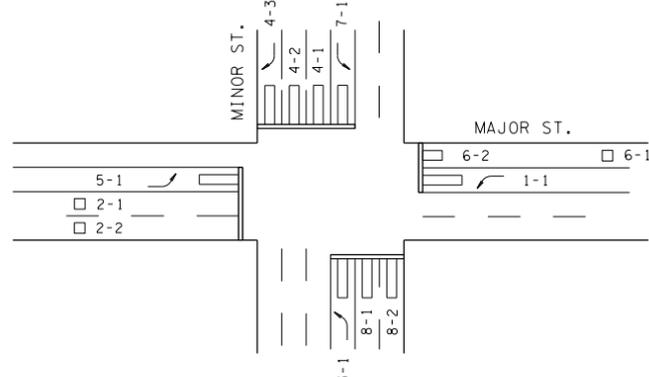
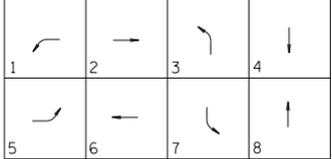
VEHICLE SIGNAL HEAD WIRING



PEDESTRIAN SIGNAL HEAD & PUSHBUTTON WIRING



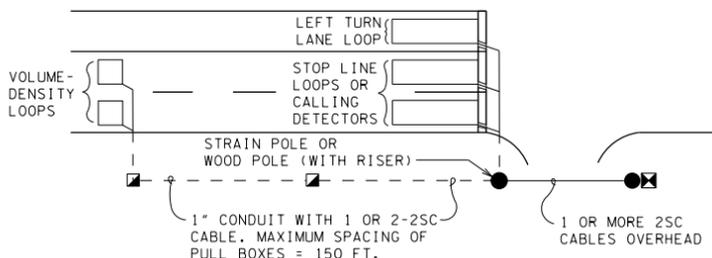
NEMA 8 PHASE



TYPICAL LOOP NUMBERING-8 PHASE

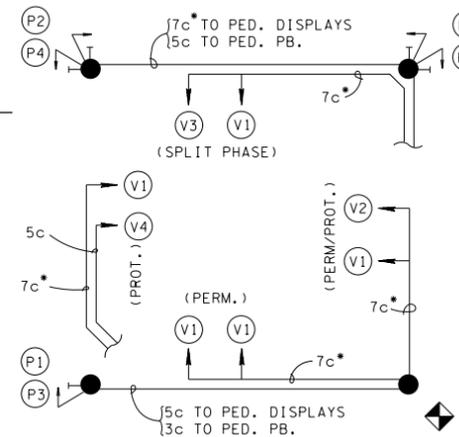
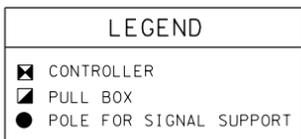
NOTE: WIRING SHALL BE LABELED TO CORRESPOND WITH THE APPROPRIATE LOOP(S).

1. LABEL LOOP LEAD-INS IN PULL BOX OR POLE BASE.
2. LABEL SHIELDED DETECTOR CABLE IN CONTROLLER.
3. LABEL DETECTOR UNITS AND HARNESSSES IN CONTROLLER.



TYPICAL LOOP WIRING

NOTE: ANY OR ALL OF THE LOOPS DEPICTED MAY BE PROPOSED.



TYPICAL WIRING SCHEMATIC

(DEPICTING VARIOUS LEFT TURN TREATMENTS)

REV. 6-13-95: CHANGED 8 CONDUCTOR TO 9 CONDUCTOR CABLE.
 REV. 12-16-03: CHANGE 3-SECTION AND 5-SECTION HEADS TO 7 CONDUCTOR CABLE.
 REV. 7-29-04: MODIFIED DETAILS (V1), (V2), (V5), (P1), AND (P2). MODIFIED TYPICAL LOOP NUMBER-4 PHASE AND TYPICAL LOOP NUMBERING-8 PHASE DETAILS.
 REV. 11-1-11: REVISED TYPICAL WIRING SCHEMATIC. ADDED 150 A4H TO (V2). DELETED THE WORDS LEFT TURN FROM (V4).
 REV. 6-27-16: ADDED WIRING DETAILS FOR FLASHING BEACON AND THREE AND FOUR SECTION FLASHING YELLOW ARROW SIGNAL HEADS. ADDED 130A3U TO (V4) WIRING DETAIL. CHANGED ALL PEDESTRIAN SIGNAL HEADS TO COUNTDOWN. CHANGED MAXIMUM PULL BOX SPACING TO 150'. DELETED TYPICAL LOOP NUMBER-4 PHASE DETAIL.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS

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* 8c OR 9c MAY BE USED