

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KENDALL	37	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

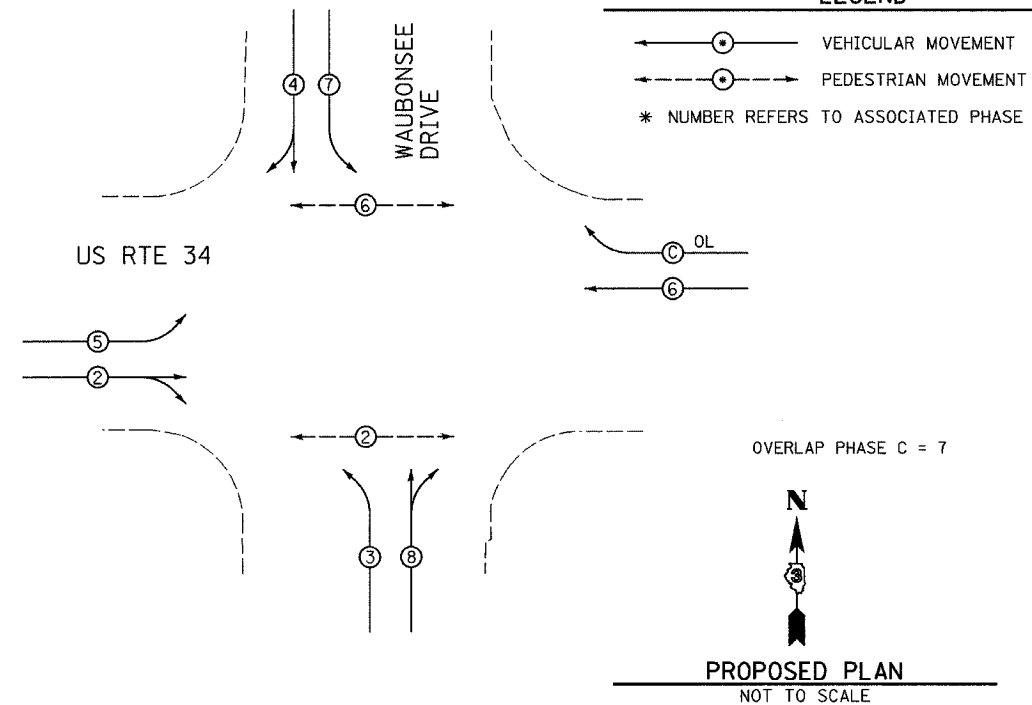
\* FAP 591 (US 34)  
 \*\* SECTION 06-00034-00-RP

**CONTROLLER SEQUENCE**

NAME OF INTERSECTION: US 34 WITH WAUBONSEE DRIVE  
 CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE IV CABINET  
 REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED.

**LEGEND**

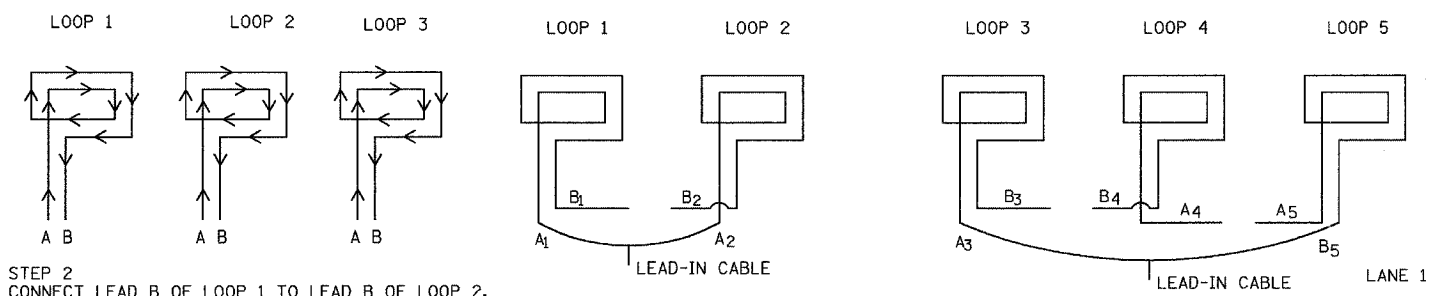
- ← ⊙ → VEHICULAR MOVEMENT
- ← ⊙ - - - PEDESTRIAN MOVEMENT
- \* NUMBER REFERS TO ASSOCIATED PHASE



**TRAFFIC SIGNALS LEGEND**

⊙	OPTICALLY PROGRAMMED SIGNAL HEAD	⊙	PEDESTRIAN PUSH BUTTON
⊙	DETNOTES NUMBER OF CONDUCTORS (NEW) ALL CABLE NO. 14 EXCEPT AS INDICATED	⊙	PEDESTRIAN SIGNAL HEAD
⊙	DETNOTES NUMBER OF PAIR OF WIRE (NEW) ALL LOOP DETECTOR CABLE TO BE TWISTED, SHIELDED ALL CABLE NO. 14 EXCEPT AS INDICATED	⊙	EMERGENCY VEHICLE CONFIRMATION BEACON
⊙	PROPOSED INTERCONNECT CABLE	⊙	EMERGENCY VEHICLE LIGHT DETECTOR
⊙	DENOTES DETECTOR LOOP SYSTEM	⊙	VEHICLE DETECTOR, INDUCTION LOOP
⊙	PROPOSED CONTROLLER CABINET	⊙	VEHICLE DETECTOR, INDUCTION LOOP (BY OTHERS)
⊙	LEFT TURN RED	⊙	TRAFFIC SIGNAL BACKPLATE
⊙	LEFT TURN YELLOW	⊙	GROUND ROD AT POST (P) OR MAST ARM (MA) OR CONTROLLER (C) OR SERVICE INSTALLATION (S) OR HANDHOLE (H)
⊙	LEFT TURN GREEN	⊙	250 WATT HPS LUMINAIRE
⊙	SIGNAL SECTION 12"		
⊙	PROPOSED LIGHTING CONTROLLER CABINET		

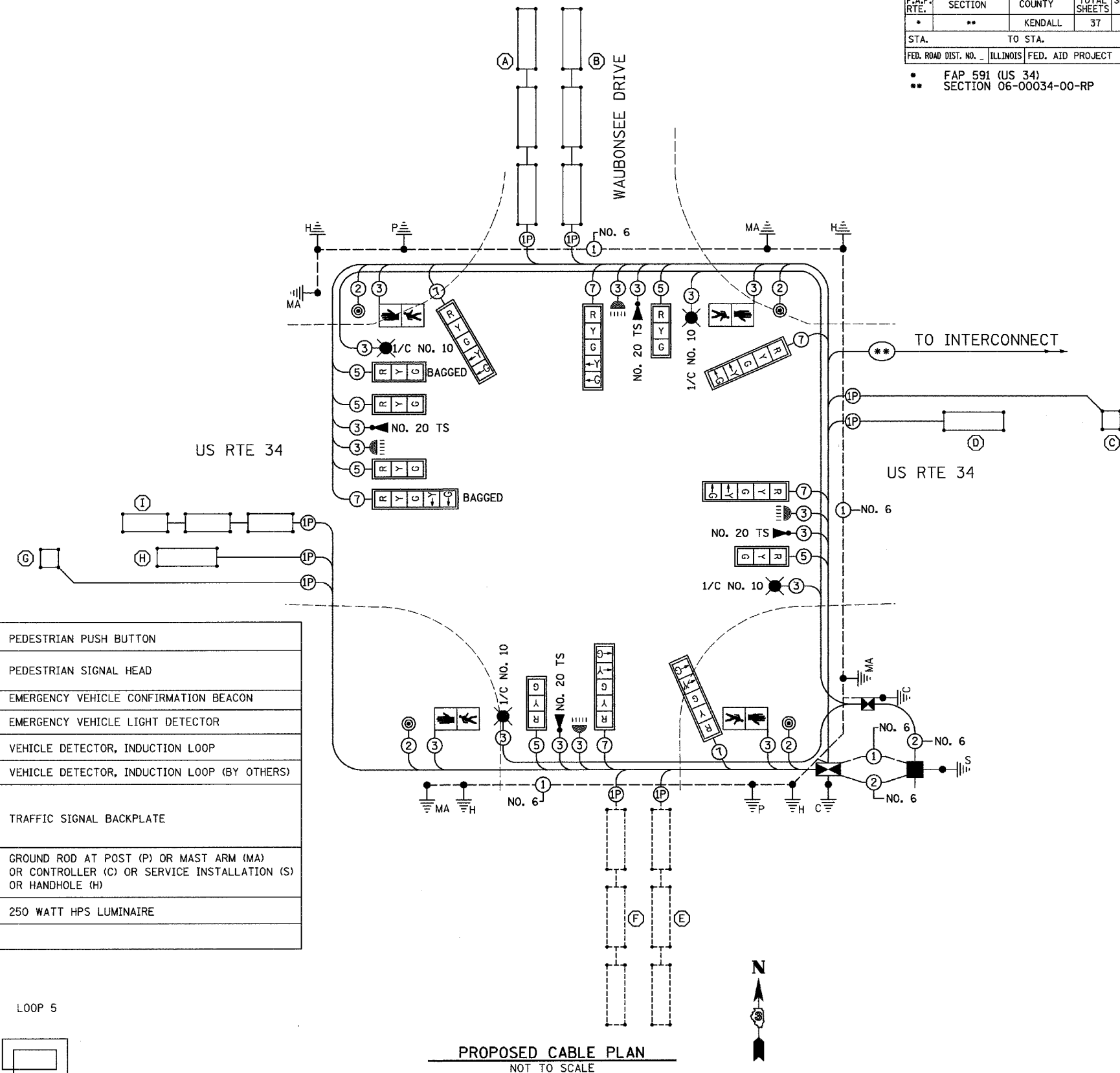
STEP 1  
 WIND ALL LOOPS CLOCKWISE. LABEL BEGINNING END OF CABLE A. LABEL ENDING END OF CABLE B. FOLLOW DETECTOR LOOP CABLE MANUFACTURER'S INSTRUCTIONS ON NUMBER OF TURNS FOR LOOP.



STEP 2  
 CONNECT LEAD B OF LOOP 1 TO LEAD B OF LOOP 2.  
 CONNECT LEAD A OF LOOP 2 TO LEAD A OF LOOP 3.

**DETECTOR LOOP WINDING AND SERIES SPLICING DETAIL**

(SEE DETECTOR LOOP INDUCTANCE CHART FOR NUMBER OF TURNS)



**PROPOSED CABLE PLAN**  
 NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC SIGNAL CABLE PLAN  
 FAP 591 (US 34)  
 AND WAUBONSEE DRIVE  
 SECTION 06-00034-00-RP  
 KENDALL COUNTY

SCALE: VERT.  
 DATE 02/07  
 DRAWN BY ARR  
 CHECKED BY JLS