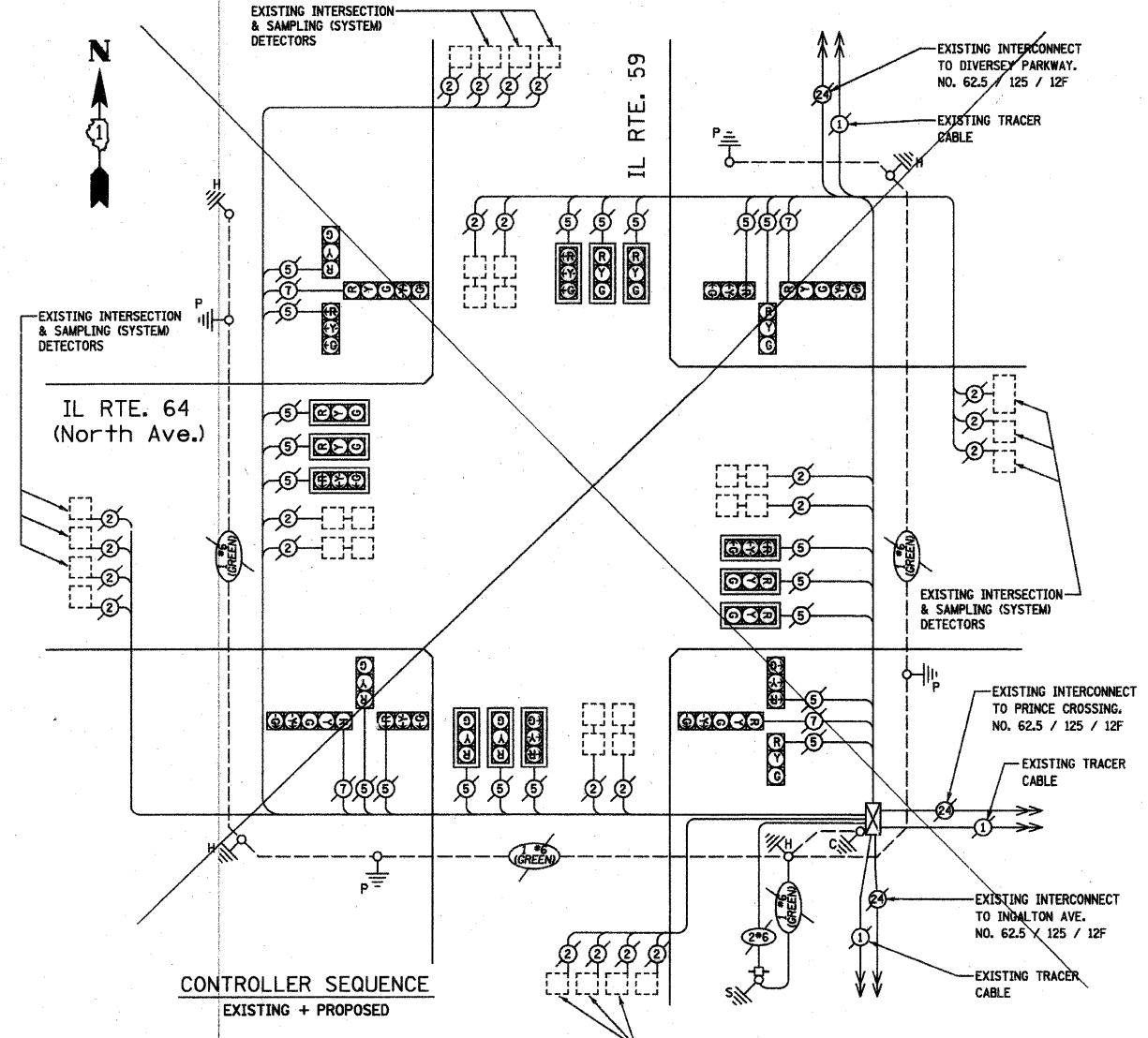
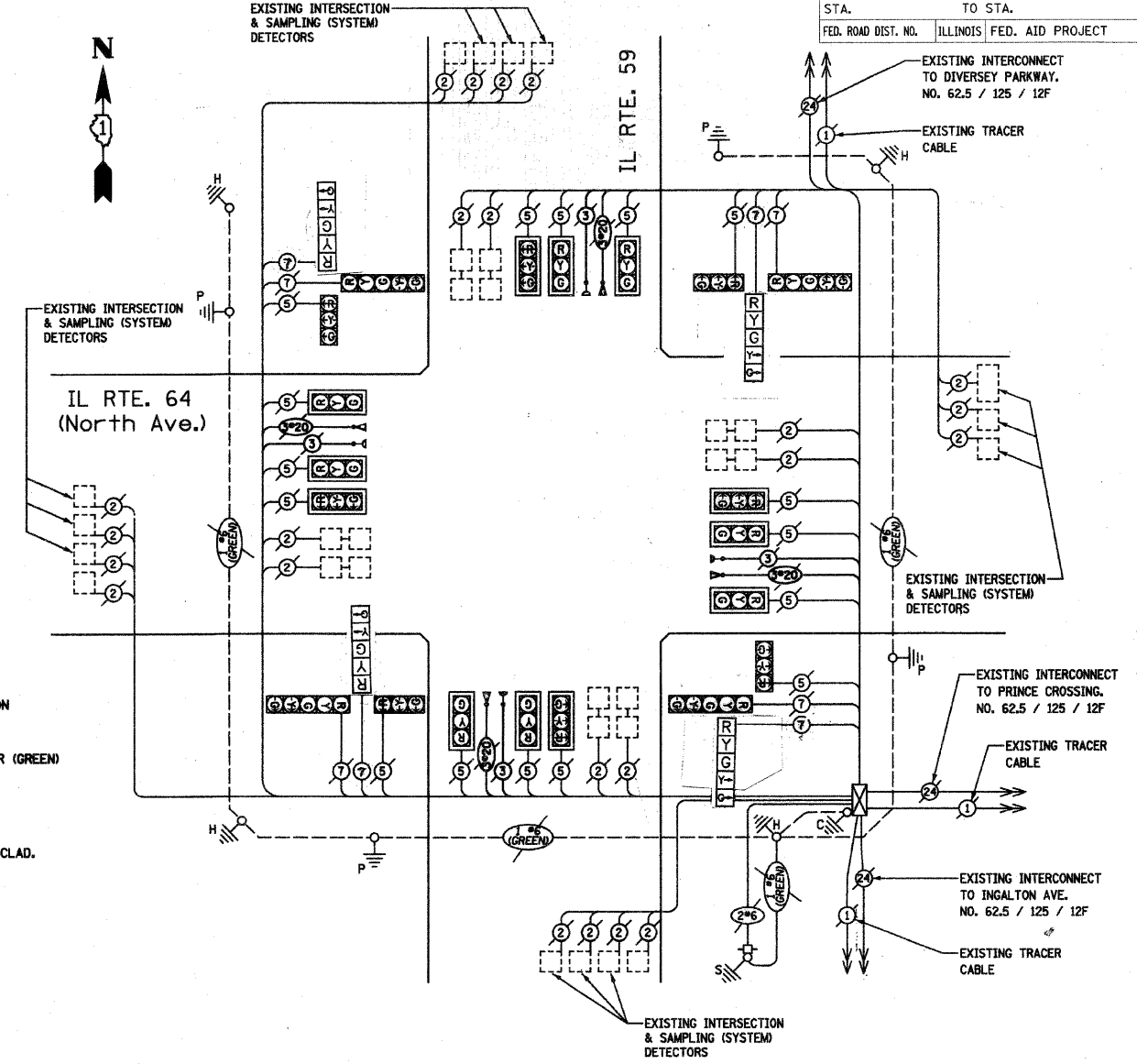


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 "B-2"	KANE, DUBUQUE	647	406A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

### EXISTING CABLE PLAN



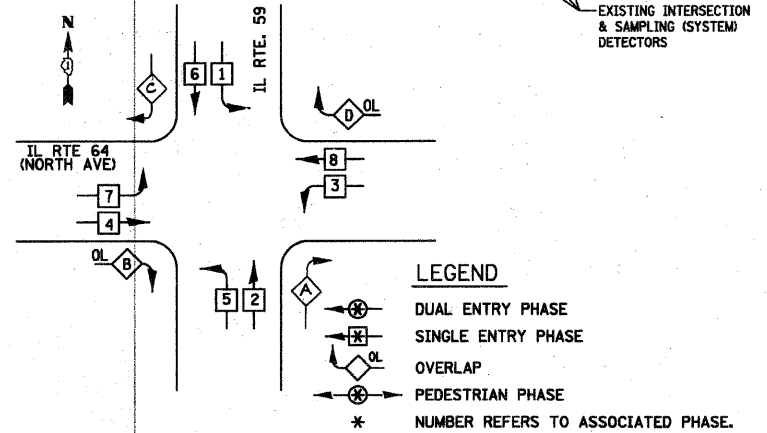
### PROPOSED CABLE PLAN



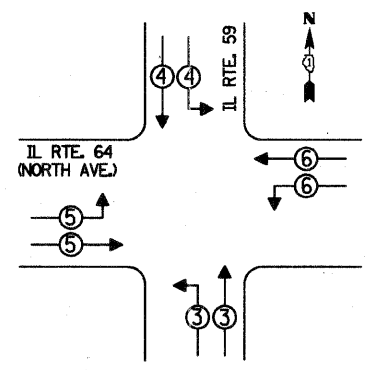
### CABLE PLAN LEGEND

- EXISTING PROPOSED**
- 8" (200MM) TRAFFIC SIGNAL SECTION
  - 12" (300MM) TRAFFIC SIGNAL SECTION
  - 12" (300MM) PEDESTRIAN SIGNAL SECTION
  - CONTROLLER CABINET
  - SERVICE INSTALLATION
  - VEHICLE DETECTOR, INDUCTION LOOP
  - MAGNETIC DETECTOR
  - EMERGENCY VEHICLE LIGHT DETECTOR
  - CONFIRMATION BEACON
  - PUSHBUTTON DETECTOR
  - DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
  - SIGNAL FACE WITH BACKPLATE
  - "P" INDICATES PROGRAMMED HEAD
  - GROUND ROD AT HANDHOLE OR CONTROLLER
  - GROUND ROD AT POST OR MAST ARM POLE
  - GROUND ROD AT ELECTRIC SERVICE INSTALLATION
  - GROUND ROD EXISTING TO BE REUSED
  - GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
  - NO. 62.5/125 FIBER OPTIC CABLE, 12 MULTI MODE AND 12 SINGLE MODE
  - NO. 14 TRACER CABLE, 1C.
- NOTE: ALL NEW GROUND RODS SHALL BE 3/4" X 10'-0" LONG COPPER CLAD. THE COST SHALL BE INCIDENTAL TO THE COST OF INSTALLATION.

### CONTROLLER SEQUENCE EXISTING + PROPOSED



### EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

### PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE	DISPLAY
B	4	+ 5	- 4
D	8	+ 1	- 8

### SCHEDULE OF QUANTITIES

MAINTENANCE OF THE EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,200
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	980
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1