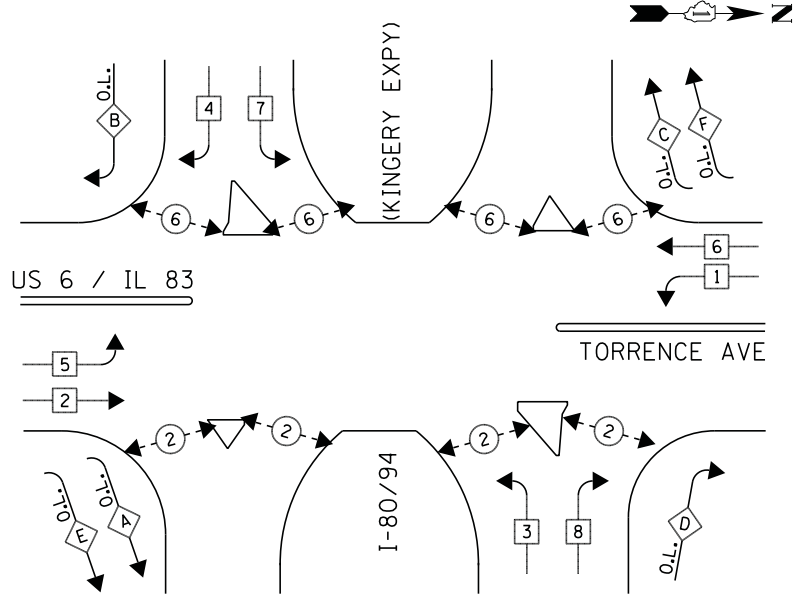
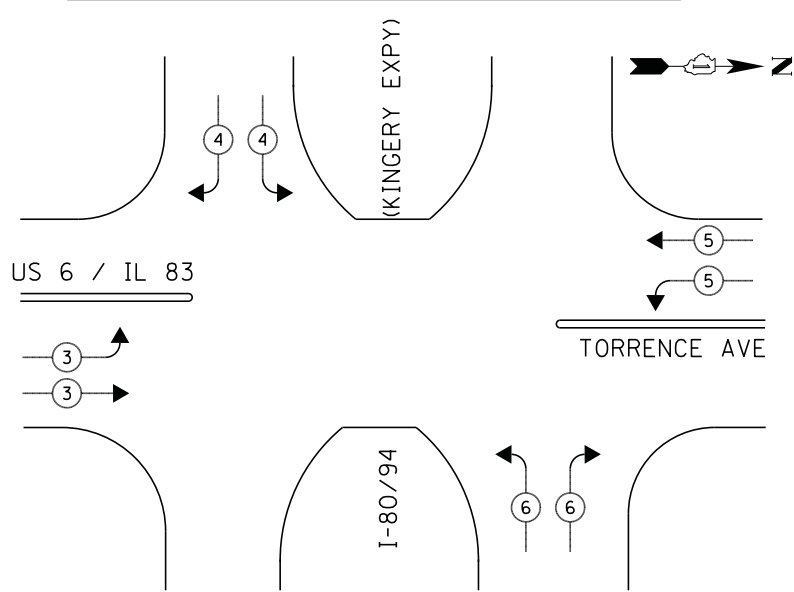


**CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



| EMERGENCY VEHICLE PREEMPTORS |   |   |   |   |
|------------------------------|---|---|---|---|
| EMERGENCY VEHICLE PREEMPTOR  | 3 | 4 | 5 | 6 |
| MOVEMENT                     | → | ↪ | ↪ | ↪ |

| RIGHT TURN OVERLAP PHASE DESIGNATION |                  |                 |  |
|--------------------------------------|------------------|-----------------|--|
| OVERLAP LETTER                       | PERMISSIVE PHASE | PROTECTED PHASE |  |
| A                                    | = 2 +            | 3               |  |
| B                                    | = 4 +            | 5               |  |
| C                                    | = 6 +            | 7               |  |
| D                                    | = 8 +            | 1               |  |
| E                                    | = 2 +            | 7               |  |
| F                                    | = 6 +            | 3               |  |

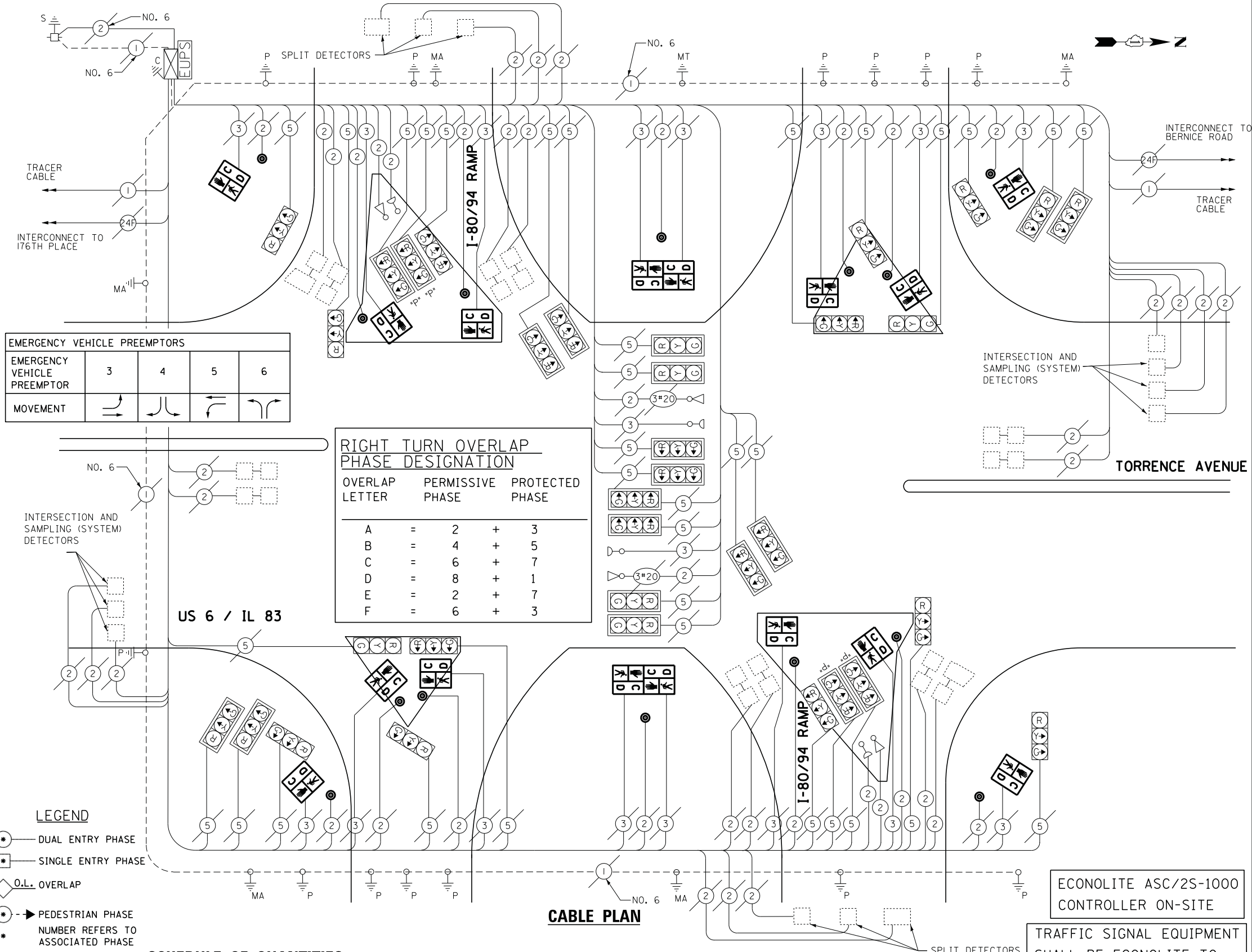
**LEGEND**

- ⊙ — DUAL ENTRY PHASE
- ⊠ — SINGLE ENTRY PHASE
- ◊ — O.L. OVERLAP
- ⊙ — PEDESTRIAN PHASE
- \* — NUMBER REFERS TO ASSOCIATED PHASE

**SCHEDULE OF QUANTITIES**

| QUANTITY | UNIT | ITEM  |
|----------|------|---|
| 1        | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                       |
| 12       | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 2        | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1        | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                  |
| 14       | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING                                      |

**CABLE PLAN**



**REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

|    |      |                        |
|----|------|------------------------|
| 16 | EACH | PEDESTRIAN SIGNAL HEAD |
| 14 | EACH | PEDESTRIAN PUSH-BUTTON |

ECONOLITE ASC/2S-1000 CONTROLLER ON-SITE

TRAFFIC SIGNAL EQUIPMENT SHALL BE ECONOLITE TO MATCH THE ADJACENT EXISTING SYSTEM

**I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

| TYPE             | NO LAMPS | WATTAGE |     | %OPERATION | TOTAL WATTAGE |
|------------------|----------|---------|-----|------------|---------------|
|                  |          | INCAND. | LED |            |               |
| SIGNAL (RED)     | 34       |         | 17  | 0.5        | 289           |
| (YELLOW)         | 34       |         | 25  | 0.25       | 212.5         |
| (GREEN)          | 34       |         | 15  | 0.25       | 127.5         |
| ARROW            | -        |         | 12  | 0.10       | -             |
| PED. SIGNAL      | 6        |         | 25  | 1.00       | 150           |
| CONTROLLER       | 1        |         | 100 | 1.00       | 100           |
| ILLUM. SIGN      |          |         | 25  | 0.05       | -             |
| VIDEO SYSTEM     |          |         | -   | 1.00       | -             |
| FLASHER          |          |         | -   | -          | -             |
| ENERGY COSTS TO: |          |         |     |            | TOTAL = 879   |

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY CONTACT: ILYAS MOHIUDDIN  
PHONE: (708) 235-2692  
COMPANY: COMMONWEALTH EDISON

|  |                    |                  |           |
|--|--------------------|------------------|-----------|
| FILE NAME =                                | USER NAME = .USER_ | DESIGNED - V.O.  | REVISED - |
| J:\13155\60Y42\DCN\CADD Sheets\0160Y42.dgn | ht-ts-26.13942.dgn | DRAWN - E.C.     | REVISED - |
| PLOT SCALE = 20.0000' / in.                |                    | CHECKED - I.Y.   | REVISED - |
| PLOT DATE = 7/9/2014                       |                    | DATE - 7/11/2014 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
US ROUTE 6 /IL ROUTE 83 (TORRENCE AVENUE) AT I-80 /I-94 KINGERY EXPRESSWAY  
SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

| F.A.P. RTE. | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|------------|--------|--------------|-----------|
|             | 2014-044TS | COOK   | 65           | 41        |

CONTRACT NO. 60Y42  
ILLINOIS FED. AID PROJECT

TS# 13942  
LANSING