

**CONSTRUCTION NOTES:**

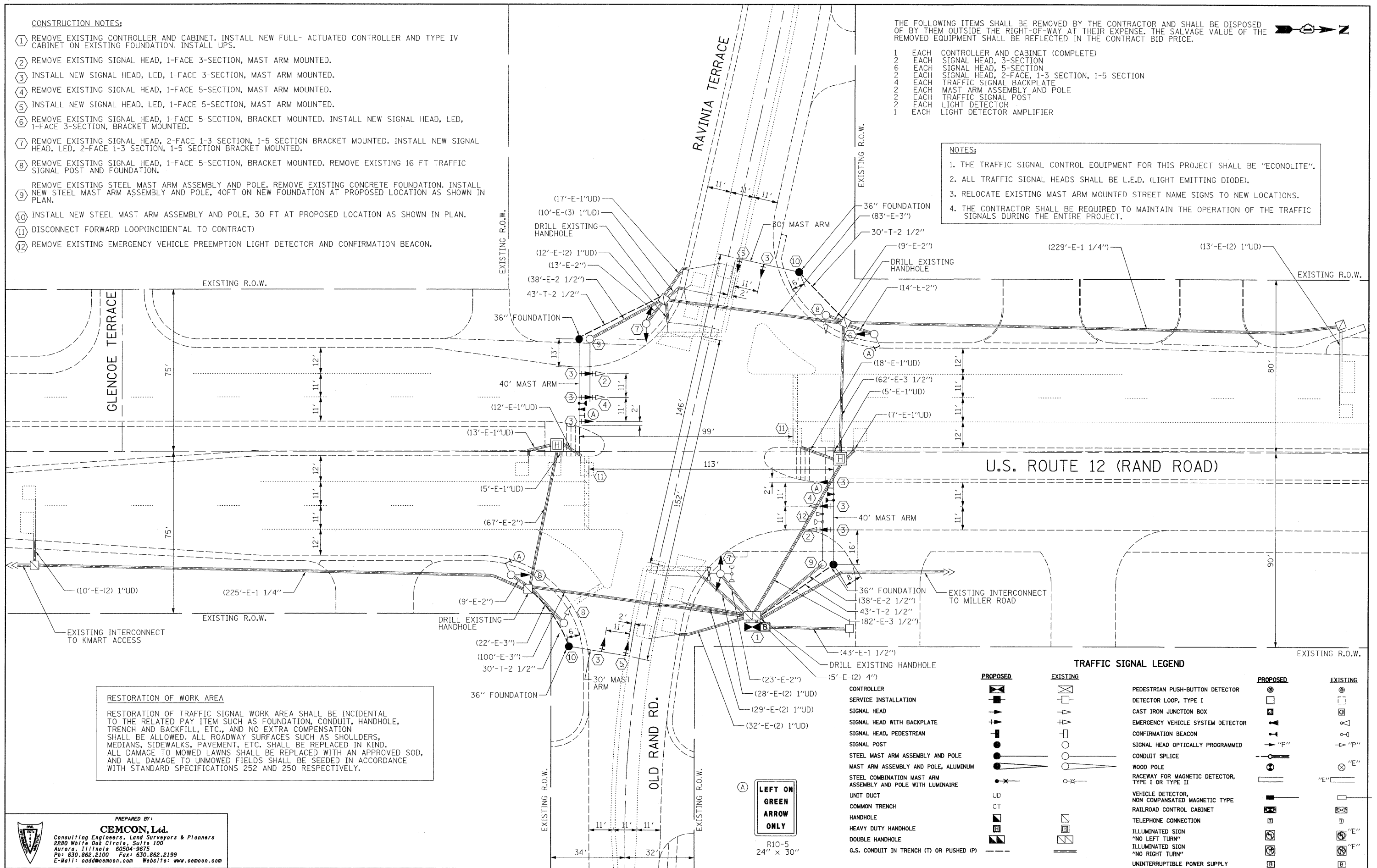
- ① REMOVE EXISTING CONTROLLER AND CABINET. INSTALL NEW FULL- ACTUATED CONTROLLER AND TYPE IV CABINET ON EXISTING FOUNDATION. INSTALL UPS.
- ② REMOVE EXISTING SIGNAL HEAD, 1-FACE 3-SECTION, MAST ARM MOUNTED.
- ③ INSTALL NEW SIGNAL HEAD, LED, 1-FACE 3-SECTION, MAST ARM MOUNTED.
- ④ REMOVE EXISTING SIGNAL HEAD, 1-FACE 5-SECTION, MAST ARM MOUNTED.
- ⑤ INSTALL NEW SIGNAL HEAD, LED, 1-FACE 5-SECTION, MAST ARM MOUNTED.
- ⑥ REMOVE EXISTING SIGNAL HEAD, 1-FACE 5-SECTION, BRACKET MOUNTED. INSTALL NEW SIGNAL HEAD, LED, 1-FACE 3-SECTION, BRACKET MOUNTED.
- ⑦ REMOVE EXISTING SIGNAL HEAD, 2-FACE 1-3 SECTION, 1-5 SECTION BRACKET MOUNTED. INSTALL NEW SIGNAL HEAD, LED, 2-FACE 1-3 SECTION, 1-5 SECTION BRACKET MOUNTED.
- ⑧ REMOVE EXISTING SIGNAL HEAD, 1-FACE 5-SECTION, BRACKET MOUNTED. REMOVE EXISTING 16 FT TRAFFIC SIGNAL POST AND FOUNDATION.
- ⑨ REMOVE EXISTING STEEL MAST ARM ASSEMBLY AND POLE. REMOVE EXISTING CONCRETE FOUNDATION. INSTALL NEW STEEL MAST ARM ASSEMBLY AND POLE, 40FT ON NEW FOUNDATION AT PROPOSED LOCATION AS SHOWN IN PLAN.
- ⑩ INSTALL NEW STEEL MAST ARM ASSEMBLY AND POLE, 30 FT AT PROPOSED LOCATION AS SHOWN IN PLAN.
- ⑪ DISCONNECT FORWARD LOOP(INCIDENTAL TO CONTRACT)
- ⑫ REMOVE EXISTING EMERGENCY VEHICLE PREEMPTION LIGHT DETECTOR AND CONFIRMATION BEACON.

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.

- |   |      |   |
|---|------|---|
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE)             |
| 1 | EACH | SIGNAL HEAD, 3-SECTION                        |
| 2 | EACH | SIGNAL HEAD, 5-SECTION                        |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE                      |
| 2 | EACH | MAST ARM ASSEMBLY AND POLE                    |
| 2 | EACH | TRAFFIC SIGNAL POST                           |
| 2 | EACH | LIGHT DETECTOR                                |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER                      |

**NOTES:**

1. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE".
2. ALL TRAFFIC SIGNAL HEADS SHALL BE L.E.D. (LIGHT EMITTING DIODE).
3. RELOCATE EXISTING MAST ARM MOUNTED STREET NAME SIGNS TO NEW LOCATIONS.
4. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN THE OPERATION OF THE TRAFFIC SIGNALS DURING THE ENTIRE PROJECT.



**RESTORATION OF WORK AREA**  
 RESTORATION OF TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

| TRAFFIC SIGNAL LEGEND                                       |          | PROPOSED | EXISTING | PROPOSED   | EXISTING |
|---|----------|----------|----------|--|----------|
| CONTROLLER  | [Symbol] | [Symbol] | [Symbol] | PEDESTRIAN PUSH-BUTTON DETECTOR                  | [Symbol] |
| SERVICE INSTALLATION  | [Symbol] | [Symbol] | [Symbol] | DETECTOR LOOP, TYPE I                            | [Symbol] |
| SIGNAL HEAD   | [Symbol] | [Symbol] | [Symbol] | CAST IRON JUNCTION BOX                           | [Symbol] |
| SIGNAL HEAD WITH BACKPLATE                                  | [Symbol] | [Symbol] | [Symbol] | EMERGENCY VEHICLE SYSTEM DETECTOR                | [Symbol] |
| SIGNAL HEAD, PEDESTRIAN                                     | [Symbol] | [Symbol] | [Symbol] | CONFIRMATION BEACON                              | [Symbol] |
| SIGNAL POST   | [Symbol] | [Symbol] | [Symbol] | SIGNAL HEAD OPTICALLY PROGRAMMED                 | [Symbol] |
| STEEL MAST ARM ASSEMBLY AND POLE                            | [Symbol] | [Symbol] | [Symbol] | CONDUIT SPLICE                                   | [Symbol] |
| MAST ARM ASSEMBLY AND POLE, ALUMINUM                        | [Symbol] | [Symbol] | [Symbol] | WOOD POLE  | [Symbol] |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | [Symbol] | [Symbol] | [Symbol] | RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II | [Symbol] |
| UNIT DUCT   | [Symbol] | [Symbol] | [Symbol] | VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE  | [Symbol] |
| COMMON TRENCH   | [Symbol] | [Symbol] | [Symbol] | RAILROAD CONTROL CABINET                         | [Symbol] |
| HANDHOLE  | [Symbol] | [Symbol] | [Symbol] | TELEPHONE CONNECTION                             | [Symbol] |
| HEAVY DUTY HANDHOLE   | [Symbol] | [Symbol] | [Symbol] | ILLUMINATED SIGN "NO LEFT TURN"                  | [Symbol] |
| DOUBLE HANDHOLE   | [Symbol] | [Symbol] | [Symbol] | ILLUMINATED SIGN "NO RIGHT TURN"                 | [Symbol] |
| G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)                    | [Symbol] | [Symbol] | [Symbol] | UNINTERRUPTIBLE POWER SUPPLY                     | [Symbol] |

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| FILE NAME =                          | USER NAME = JLA | DESIGNED - KK   | REVISED - |
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|                                      |                 | CHECKED - BPT   | REVISED - |
|                                      |                 | DATE - 12-10-08 | REVISED - |

|                              |   |               |             |        |              |   |
|------------------------------|---|---------------|-------------|--------|--------------|---|
| STATE OF ILLINOIS            | TRAFFIC SIGNAL MODIFICATION PLAN                          | F.A.P. R.T.E. | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO.                                     |
| DEPARTMENT OF TRANSPORTATION | U.S. ROUTE 12 (RAND ROAD) AT OLD RAND ROAD / RAVINIA TER. | 334           | 2008-069 TS | LAKE   | 26           | 10  |
|                              | SCALE: 1"=20'   | SHEET NO.     | OF SHEETS   | STA.   | TO STA.      | CONTRACT NO. 60F62                            |
|                              |   |               |             |        |              | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |