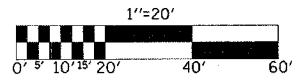


# TRAFFIC SIGNAL MODERNIZATION

F.A.P. 325 (IL. RTE. 16)

&  
LERNA ROAD



CABLE LAYOUT

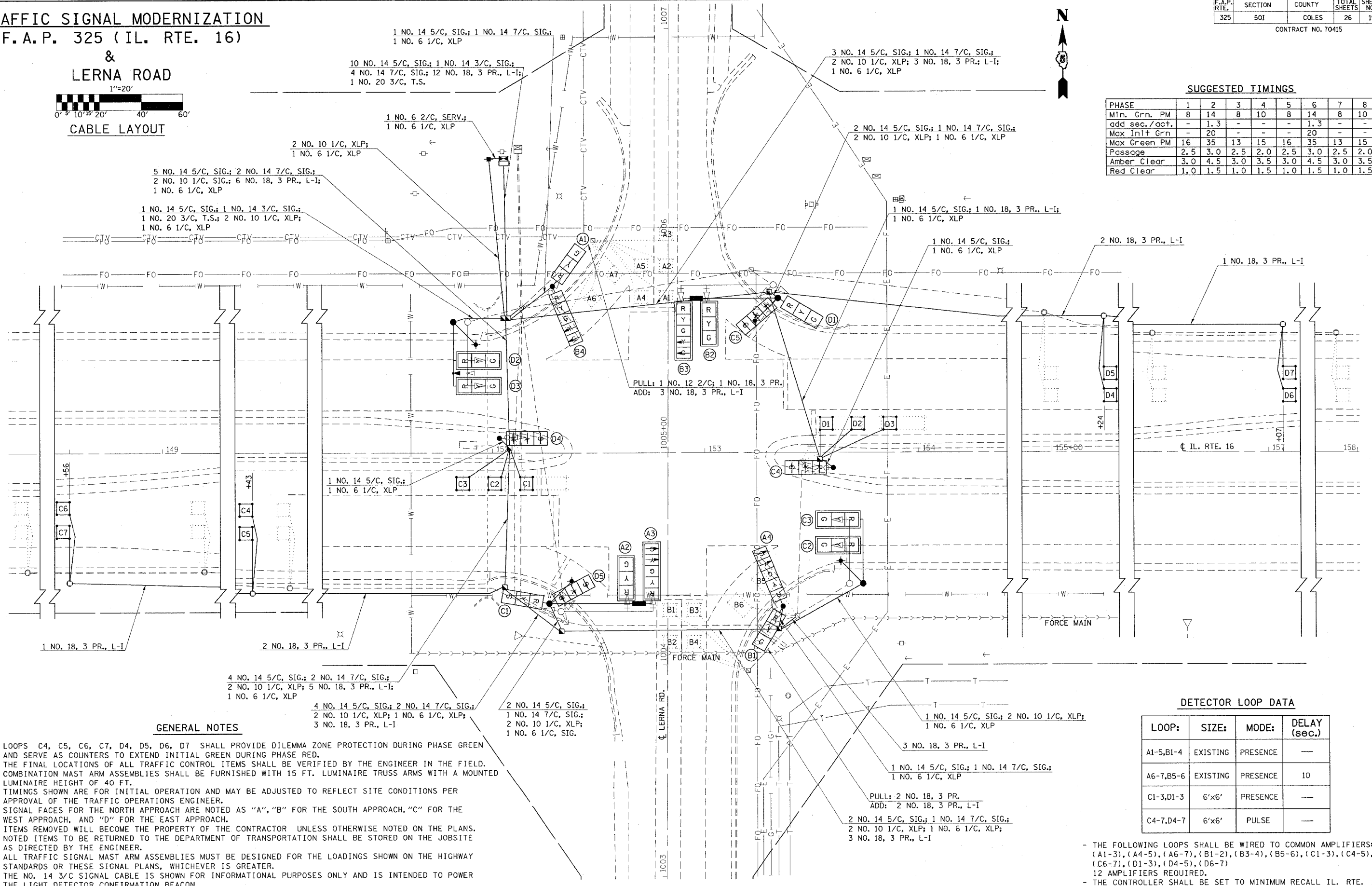
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	501	COLES	26	19

CONTRACT NO. 70415



SUGGESTED TIMINGS

PHASE	1	2	3	4	5	6	7	8
Min. Grn. PM	8	14	8	10	8	14	8	10
add sec./act.	-	1.3	-	-	-	1.3	-	-
Max Init Grn	-	20	-	-	-	20	-	-
Max Green PM	16	35	13	15	16	35	13	15
Passage	2.5	3.0	2.5	2.0	2.5	3.0	2.5	2.0
Amber Clear	3.0	4.5	3.0	3.5	3.0	4.5	3.0	3.5
Red Clear	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5



**GENERAL NOTES**

1. LOOPS C4, C5, C6, C7, D4, D5, D6, D7 SHALL PROVIDE DILEMMA ZONE PROTECTION DURING PHASE GREEN AND SERVE AS COUNTERS TO EXTEND INITIAL GREEN DURING PHASE RED.
2. THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
3. COMBINATION MAST ARM ASSEMBLIES SHALL BE FURNISHED WITH 15 FT. LUMINAIRE TRUSS ARMS WITH A MOUNTED LUMINAIRE HEIGHT OF 40 FT.
4. TIMINGS SHOWN ARE FOR INITIAL OPERATION AND MAY BE ADJUSTED TO REFLECT SITE CONDITIONS PER APPROVAL OF THE TRAFFIC OPERATIONS ENGINEER.
5. SIGNAL FACES FOR THE NORTH APPROACH ARE NOTED AS "A", "B" FOR THE SOUTH APPROACH, "C" FOR THE WEST APPROACH, AND "D" FOR THE EAST APPROACH.
6. ITEMS REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. NOTED ITEMS TO BE RETURNED TO THE DEPARTMENT OF TRANSPORTATION SHALL BE STORED ON THE JOBSITE AS DIRECTED BY THE ENGINEER.
7. ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
8. THE NO. 14 3/C SIGNAL CABLE IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND IS INTENDED TO POWER THE LIGHT DETECTOR CONFIRMATION BEACON.

**DETECTOR LOOP DATA**

LOOP:	SIZE:	MODE:	DELAY (sec.)
A1-5, B1-4	EXISTING	PRESENCE	—
A6-7, B5-6	EXISTING	PRESENCE	10
C1-3, D1-3	6'x6'	PRESENCE	—
C4-7, D4-7	6'x6'	PULSE	—

- THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (A1-3), (A4-5), (A6-7), (B1-2), (B3-4), (B5-6), (C1-3), (C4-5), (C6-7), (D1-3), (D4-5), (D6-7)  
12 AMPLIFIERS REQUIRED.  
- THE CONTROLLER SHALL BE SET TO MINIMUM RECALL IL. RTE. 16.