

DETECTOR LOOP DATA

LOOP:	SIZE:	MODE:	DELAY/EXTENSION (SEC.)
A1-7,B3-4, C3-4,C6	6' x 6'	PRESENCE	—
A8-11,B7-10	6' x 6'	PRESENCE	3.0 EXT.
B2, C2	6' x 6'	PRESENCE	8.0 DELAY
B1	6' x 11'	PRESENCE	8.0 DELAY
C1	6' x 10'	PRESENCE	8.0 DELAY
C5	6' x 9'	PRESENCE	—
C7-C9	6' x 6'	PRESENCE	4.5 EXT.

-THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (A1-2), (A3-4), (A5-7), (A8-9), (A10-11), (B1-2), (B3-4), (B5-6), (B7-8), (B9-10), (C1-2), (C3-4), (C5-6), (C7-9)
14 AMPLIFIERS TOTAL REQUIRED.

-DETECTOR LOOPS SHALL BE WIRED IN SERIES AT THE DETECTOR PANEL.

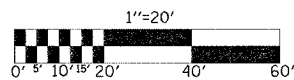
-ALL DETECTORS SHALL BE SET FOR A NON-LOCKING CALL.

TRAFFIC SIGNAL MODERNIZATION

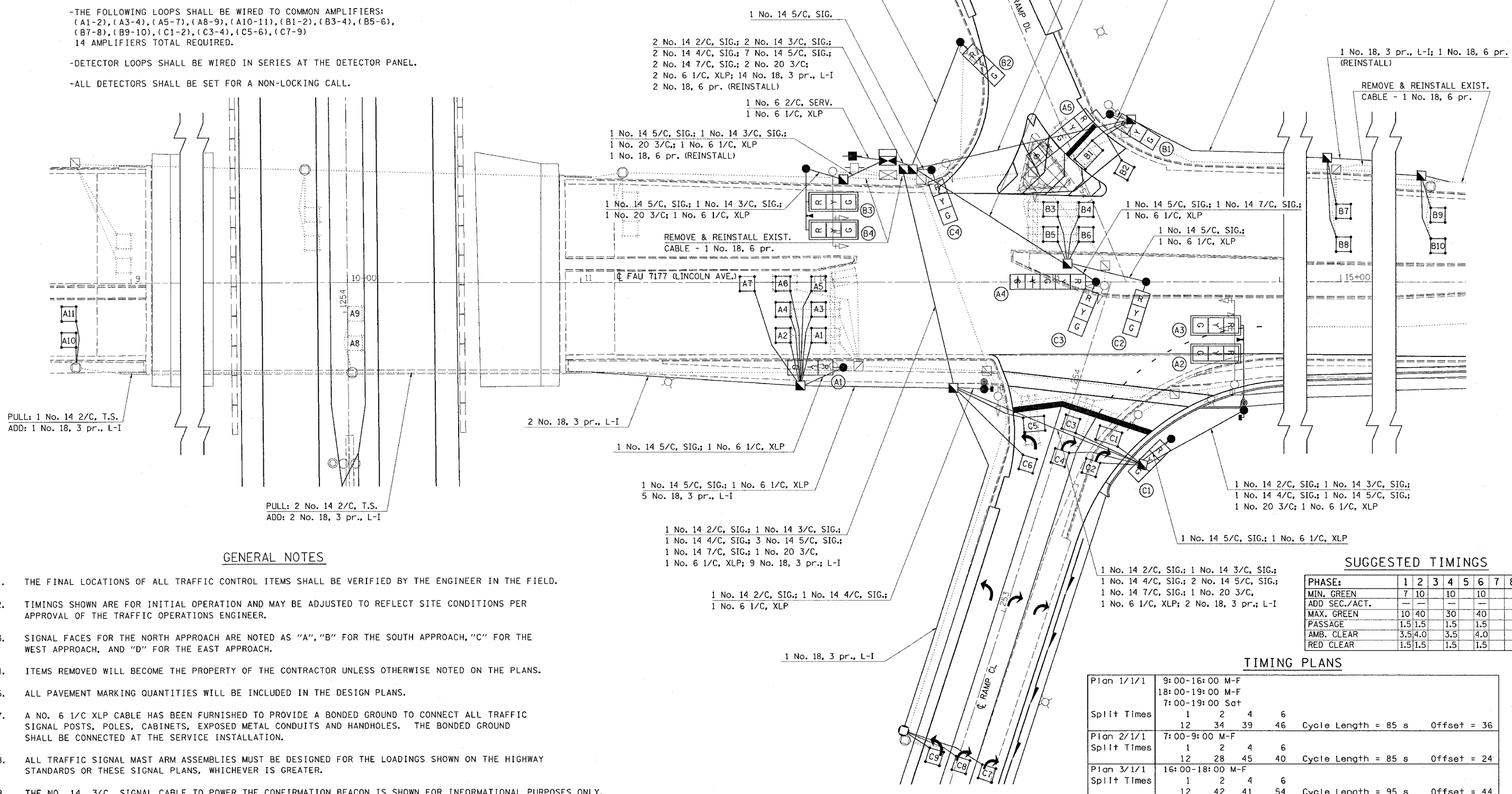
I-74 EASTBOUND RAMP & LINCOLN AVE.



1"=20'



CABLE LAYOUT



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		CHAMPAIGN	115	65

CONTRACT NO. 70141
• 1005-I-RS-114-1(R)RS & 6RS-3)

GENERAL NOTES

- THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
- TIMINGS SHOWN ARE FOR INITIAL OPERATION AND MAY BE ADJUSTED TO REFLECT SITE CONDITIONS PER APPROVAL OF THE TRAFFIC OPERATIONS ENGINEER.
- 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.
- ITEMS REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL PAVEMENT MARKING QUANTITIES WILL BE INCLUDED IN THE DESIGN PLANS.
- A NO. 6 1/C XLP CABLE HAS BEEN FURNISHED TO PROVIDE A BONDED GROUND TO CONNECT ALL TRAFFIC SIGNAL POSTS, POLES, CABINETS, EXPOSED METAL CONDUITS AND HANDHOLES. THE BONDED GROUND SHALL BE CONNECTED AT THE SERVICE INSTALLATION.
- ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
- THE NO. 14, 3/C, SIGNAL CABLE TO POWER THE CONFIRMATION BEACON IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.

SUGGESTED TIMINGS

PHASE:	1	2	3	4	5	6	7	8
MIN. GREEN	7	10	10	10	—	—	—	—
ADD SEC./ACT.	—	—	—	—	—	—	—	—
MAX. GREEN	10	40	30	40	—	—	—	—
PASSAGE	1.5	1.5	1.5	1.5	—	—	—	—
AMB. CLEAR	3.5	4.0	3.5	4.0	—	—	—	—
RED CLEAR	1.5	1.5	1.5	1.5	—	—	—	—

TIMING PLANS

Plan	Time	1	2	3	4	6	Offset
Plan 1/1/1	9:00-16:00 M-F	12	34	39	46	—	36
	18:00-19:00 M-F	1	2	4	6	—	—
	7:00-19:00 Sat	1	2	4	6	—	—
Split Times		12	34	39	46	Cycle Length = 85 s	Offset = 36
Plan 2/1/1	7:00-9:00 M-F	1	2	4	6	—	—
Split Times		12	28	45	40	Cycle Length = 85 s	Offset = 24
Plan 3/1/1	16:00-18:00 M-F	1	2	4	6	—	—
Split Times		12	42	41	54	Cycle Length = 95 s	Offset = 44