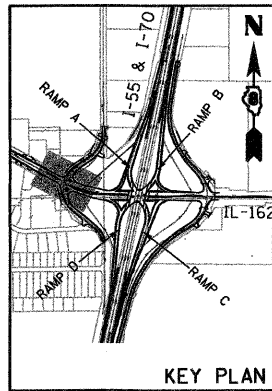
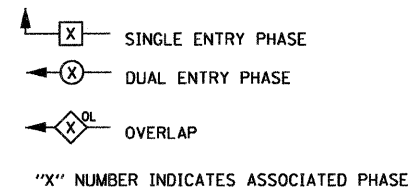


F&P NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-10 (K-1,HB)	MADISON	420	197
STA.	TO STA.			
	CONTRACT NO.: 76709			

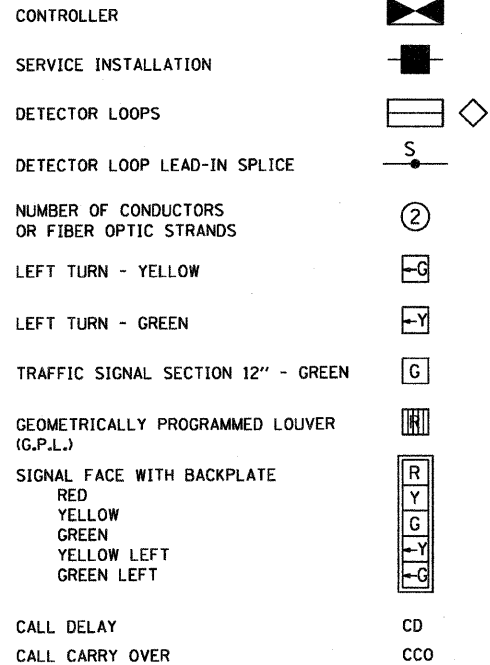


PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	→	↘	↓	↑	←	↘	↑
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

PHASE DESIGNATION LEGEND



CABLE PLAN LEGEND

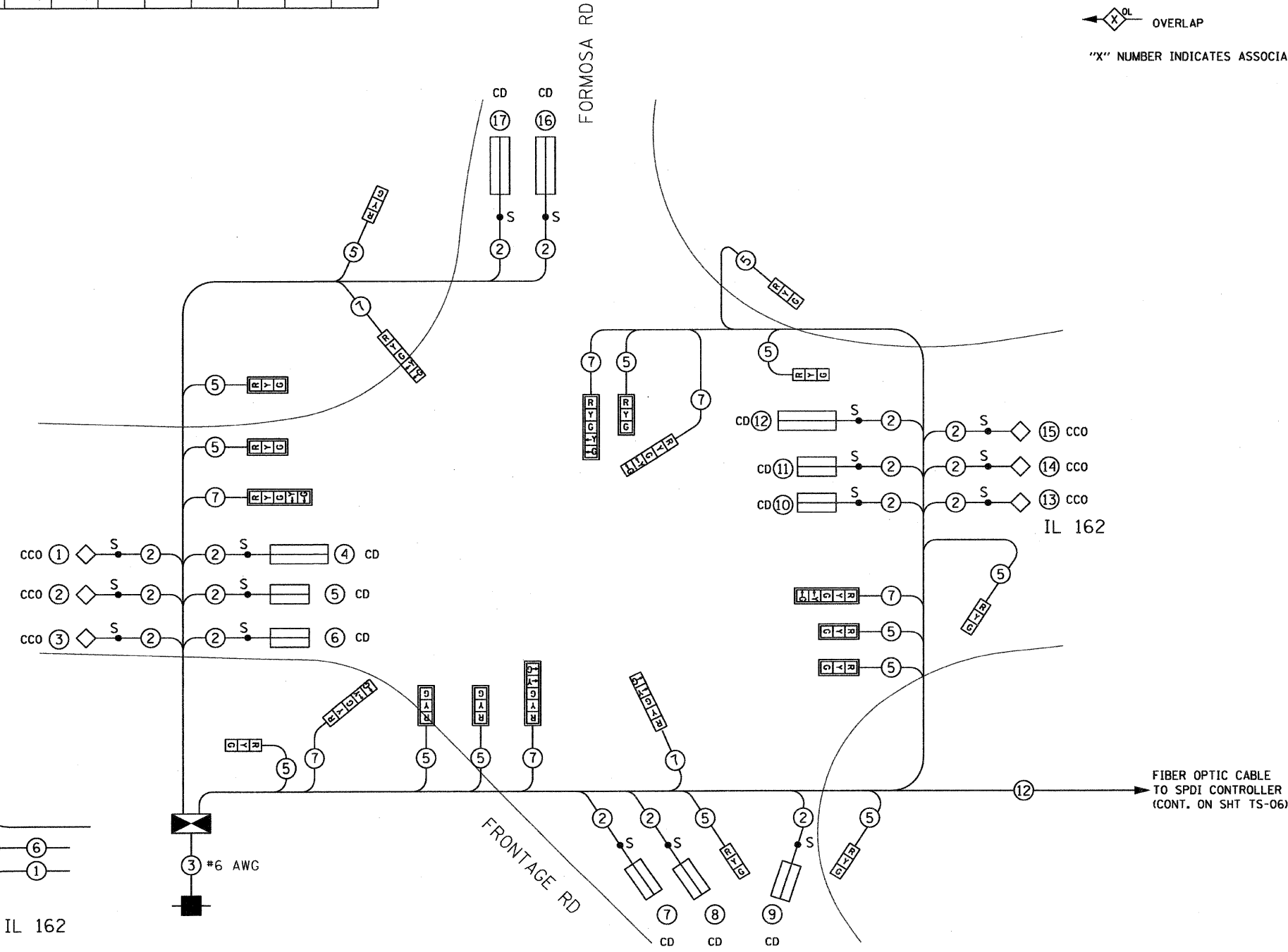


**DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
IL-162 @ WEST FRONTAGE ROAD**

LOOP No. (S)	PHASE	LOOP SIZE	No. OF TURNS	INDUCTANCE (MICROHENRIES)	RESISTANCE (OHMS)
1	2	6'x6'	5	241	2.3
2	2	6'x6'	5	238	2.2
3	2	6'x6'	5	238	2.1
4	5	6'x50' 0	3-6-3	347	2.6
5	2	6'x20' 0	4-8-4	267	1.6
6	2	6'x20' 0	4-8-4	266	1.6
7	3	6'x50' 0	3-6-3	365	3.3
8	8	6'x50' 0	3-6-3	367	3.2
9	8	6'x50' 0	3-6-3	367	3.3
10	1	6'x50' 0	3-6-3	381	3.5
11	6	6'x20' 0	4-8-4	397	3.2
12	6	6'x20' 0	4-8-4	396	3.1
13	6	6'x6'	5	307	4.1
14	6	6'x6'	5	309	4.1
15	6	6'x6'	5	309	4.0
16	7	6'x50' 0	3-6-3	377	3.4
17	4	6'x50' 0	3-6-3	374	3.3

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES

PLAN	REVISION	DATE
NO.	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	



1 PROPOSED TRAFFIC SIGNALS CABLE PLAN
N.T.S.

2 PHASE DESIGNATION DIAGRAM
N.T.S.

REVISIONS	
NAME	DATE

TS-04

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNALS
CABLE PLAN
IL 162 @ FORMOSA RD./FRONTAGE RD.
FAI ROUTE 70
SECTION 60-10K-1, 60-10HB
MADISON COUNTY

DRAWN BY: RPJ CHECKED BY: A. OSHANA, P.E.

XXXXXX - IDOT IL 162 over I-55.70 revisions
236-TS-04-West.Cable.dgn
1/28/2009 5:15:48 PM
Robert Swanson