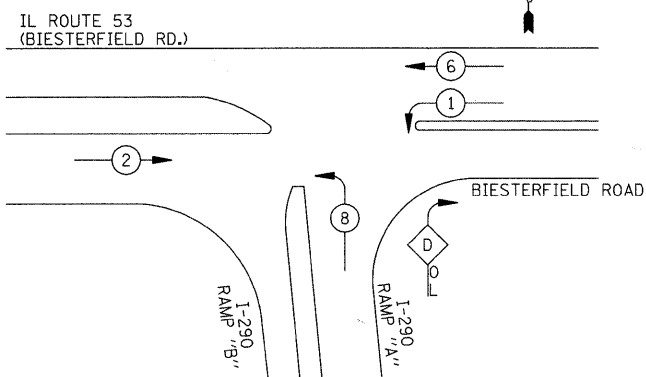


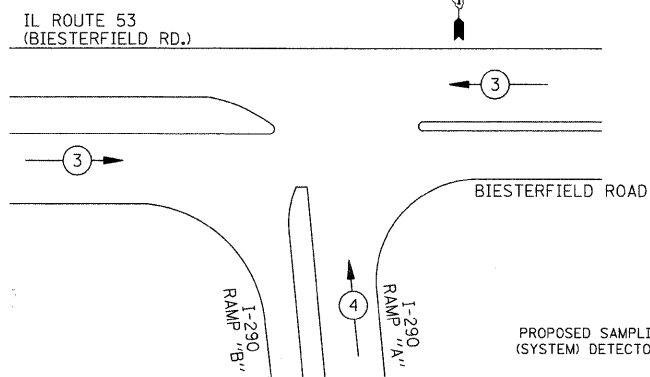
DATE	
BY	
REVISIONS	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
REVISIONS	
PROFILE	
NOTE BOOK	
NO.	

### EXISTING AND PROPOSED CONTROLLER SEQUENCE



### EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



#### LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

#### PHASE DESIGNATION DIAGRAM

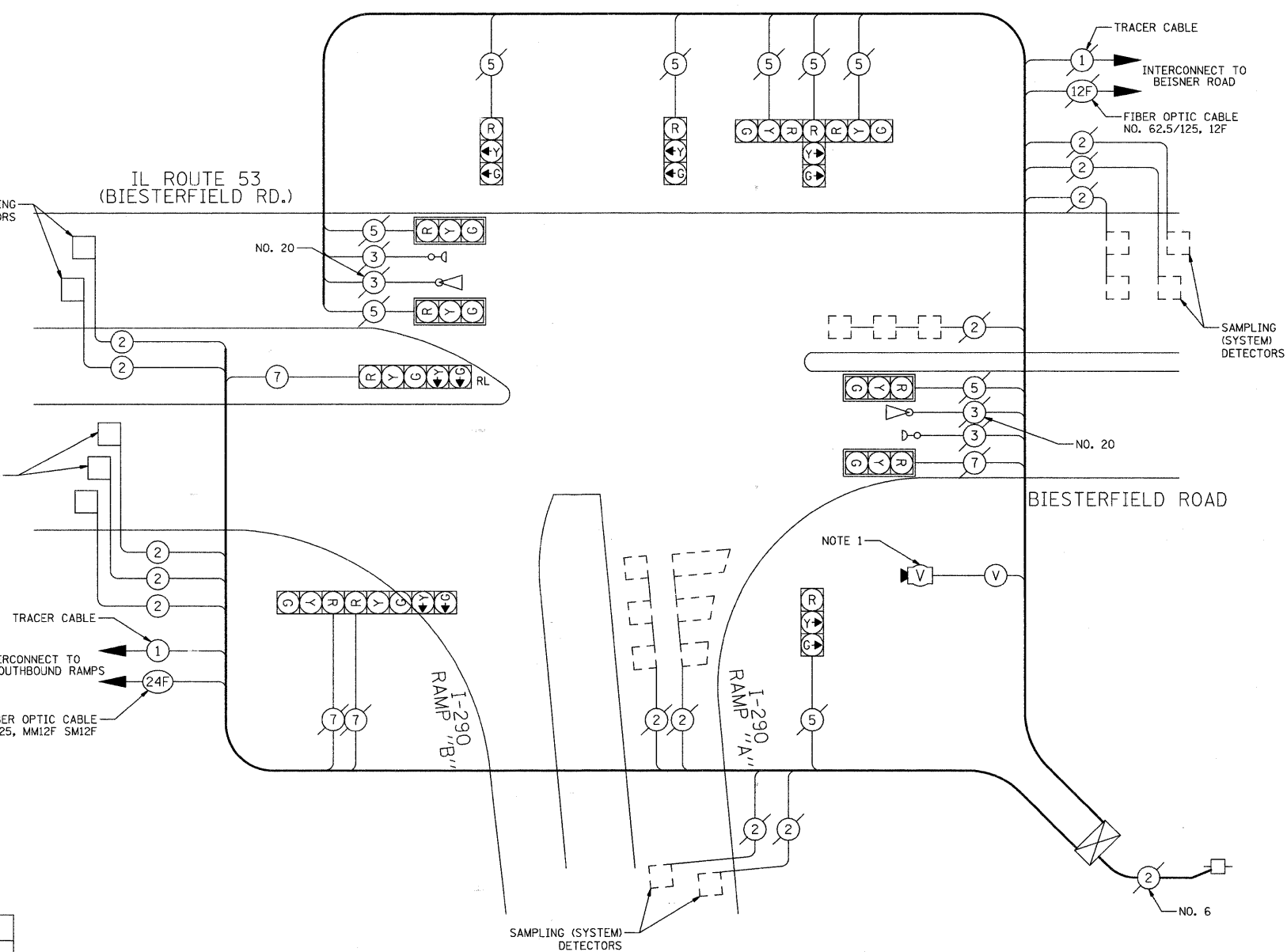
##### RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	8	1

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

PROPOSED SAMPLING (SYSTEM) DETECTORS

PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS



CABLE PLAN  
NOT TO SCALE

#### NOTES:

- A TEMPORARY VIDEO VEHICLE DETECTOR SHALL BE USED TO PROVIDE TEMPORARY EASTBOUND VEHICLE DETECTION UPON THE REMOVAL OF THE EXISTING EASTBOUND DETECTOR LOOPS. FOLLOWING THE INSTALLATION AND ACTIVATION OF THE PROPOSED EASTBOUND DETECTOR LOOPS, THE TEMPORARY VIDEO VEHICLE DETECTOR SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "TEMPORARY VIDEO DETECTION."

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	13	135		0.50	878
(YELLOW)	13	135		0.25	439
(GREEN)	13	135		0.25	439
ARROW	4	135		0.10	54
PED. SIGNAL		90		1.00	
CONTROLLER	1	100		1.00	100
FLASHER				0.50	
TOTAL =					1910

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, IL 60196-1096  
CONTACT: ELLIE SARALLO  
PHONE: (630) 424-5124  
COMPANY: COM ED

SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	230
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	5
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	56
HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	230
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	267
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1742
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	3
DETECTOR LOOP, TYPE 1	FOOT	186
RELOCATE EXISTING SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER (SPECIAL)	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	908
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	1
TEMPORARY VIDEO DETECTION	L SUM	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
EMERGENCY VEHICLE PREEMPTION SEQUENCE & SCHEDULE OF QUANTITIES  
IL ROUTE 53 (BIESTERFIELD ROAD) AT I-290 "A" AND "B" RAMPS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1339	09-00054-00-CH	COOK	88	30
CONTRACT NO. 63505				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-M-90031569				

FILE NAME =	USER NAME = djk	DESIGNED - BRD	REVISED -
...Cable Plan_Ramps A+B.dgn		DRAWN - OJT	REVISED -
		CHECKED - JJE	REVISED -
		DATE - 07-07-10	REVISED -