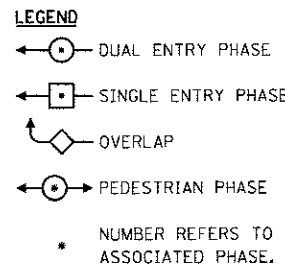
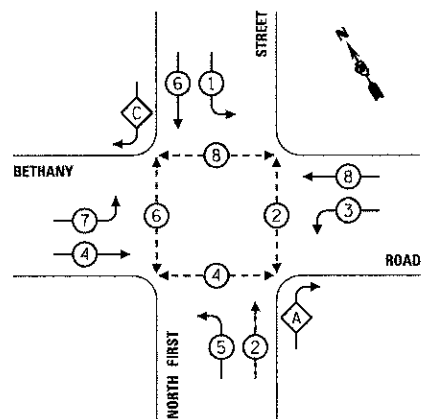


**SCHEDULE OF QUANTITIES**

PAY ITEM	UNITS	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	353
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	100
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	100
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	290
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	814
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	1
DETECTOR LOOP, TYPE I	FOOT	489
PEDESTRIAN PUSH-BUTTON	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1



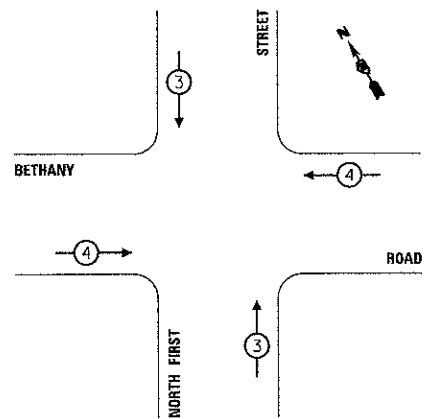
**LEGEND**

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- ◇ OVERLAP
- ⊙ PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE.

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
C	= 6 +	7
D	= 8 +	1

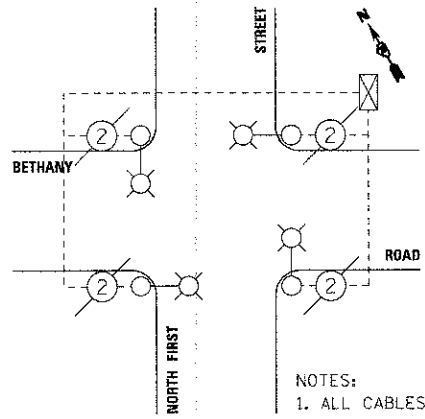
**EXISTING PHASE DESIGNATION DIAGRAM**

**PROPOSED PHASE DESIGNATION DIAGRAM**



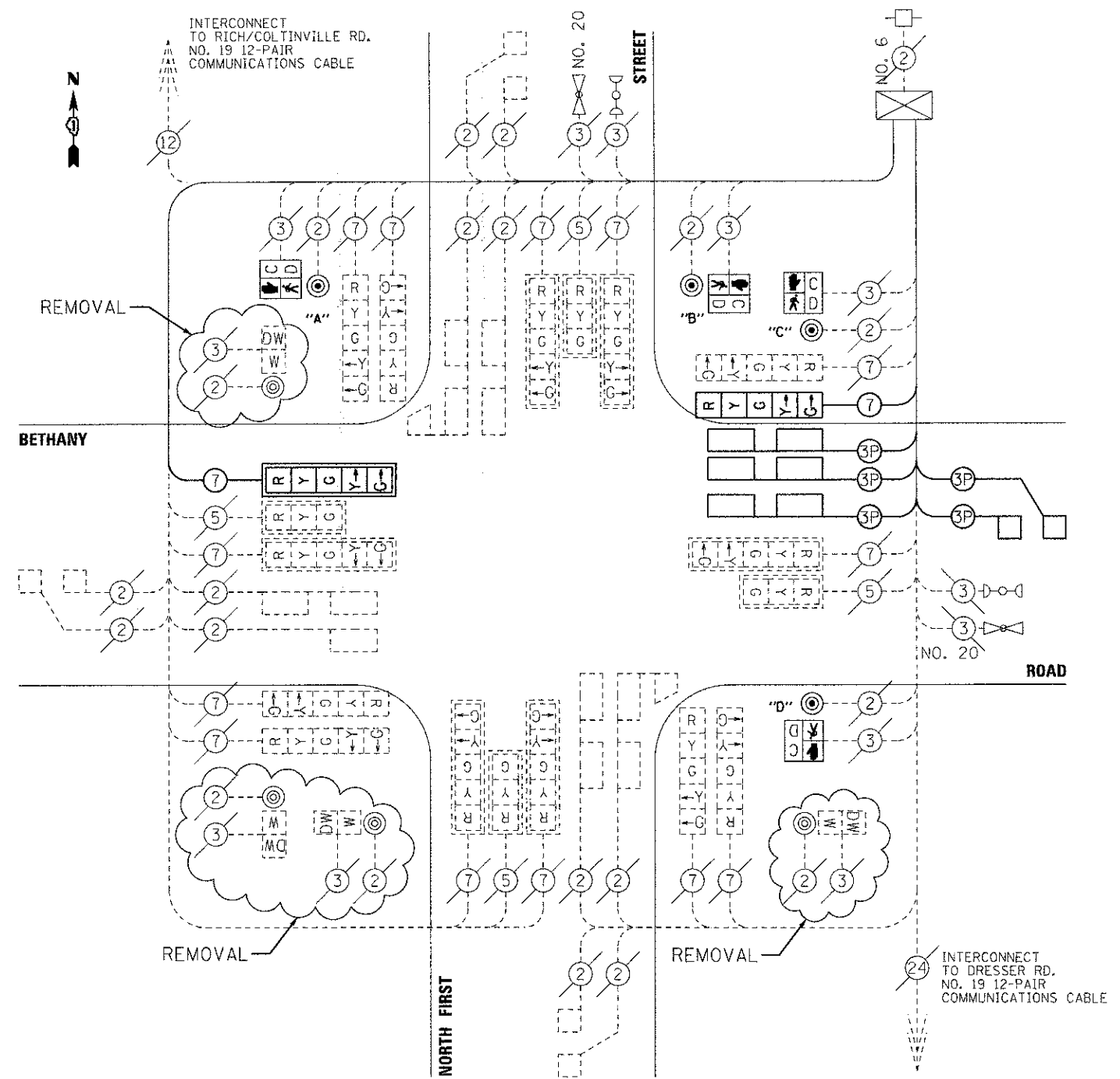
EXISTING/ PROPOSED EMERGENCY VEHICLE PREEMPTOR	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	↓ ↑ ← →

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



NOTES:  
 1. ALL CABLES SHOWN ARE (2) NO. 10 1/2 XLP-USE.  
 2. LIGHTING CONTROLLER IS IN SIGNAL CABINET.

**EXISTING STREET LIGHTING CABLE PLAN**



- NOTES:**
- THE EXISTING PHASE DESIGNATION DIAGRAM, EVP SEQUENCE, AND CABLE PLANS ARE BASED ON EXISTING PLANS. THE CONTRACTOR SHALL VERIFY THE CONTROLLER SETTINGS AND WIRING AND SHALL REVISE THESE PLANS IF THERE ARE DIFFERENCES BETWEEN THESE PLANS AND WHAT IS IN PLACE.
  - PUSH-BUTTONS "A" AND "B" SHALL CALL PEDESTRIAN PHASE 8. PUSH-BUTTONS "C" AND "D" SHALL CALL PEDESTRIAN PHASE 2. ANY NECESSARY CHANGES TO THE WIRING INSIDE THE CONTROLLER CABINET SHALL BE INCLUDED IN THE COST OF "MODIFY EXISTING CONTROLLER".
  - NOMINAL QUANTITIES FOR ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C AND 3C HAVE BEEN PROVIDED TO ESTABLISH UNIT PRICES IN CASE THE EXISTING CABLE CONNECTING THE DEVICE WITH THE CONTROLLER CANNOT BE UTILIZED. THE USE OF THESE ITEMS MUST BE APPROVED BY THE ENGINEER IN WRITING.
  - THE PROPOSED "INDUCTIVE LOOP DETECTOR" IS TO ALLOW A DELAYED CALL FOR THE WESTBOUND RIGHT TURN LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A NEW "INDUCTIVE LOOP DETECTOR" THAT IS COMPATIBLE WITH THE EXISTING TRAFFIC SIGNAL EQUIPMENT.

**CABLE PLAN**

FILE NAME: W:\Projects\2012\120155 Bethany\53\CORD\C:\1\Bgn\SH\1\TS\_3.dgn

USER NAME: nperis	DESIGNED: KMA	REVISED:
PLOT SCALE: 1:1	DRAWN: KMA	REVISED:
PLOT DATE: 12/20/2012	CHECKED: DPB	REVISED:
	DATE: 12/21/12	REVISED:

TRAFFIC SIGNAL CABLE PLAN	
SCALE: AS SHOWN	SHEET NO. 3 OF 3 SHEETS   STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	50
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				