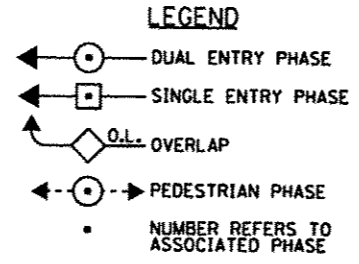
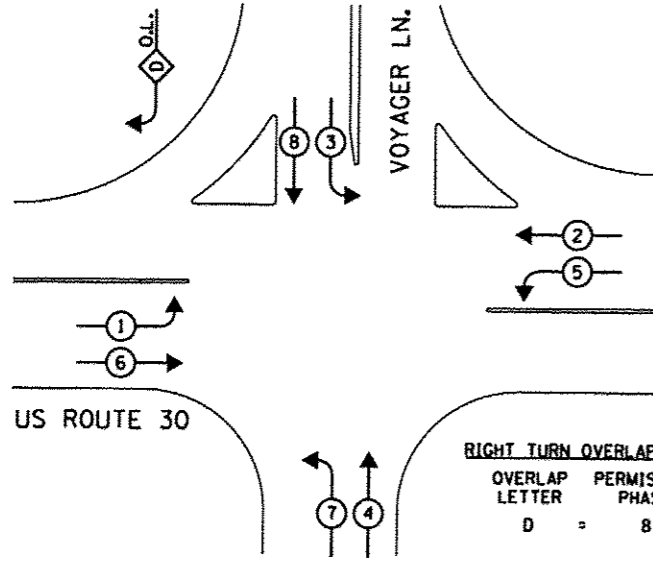


**CONTROLLER SEQUENCE**

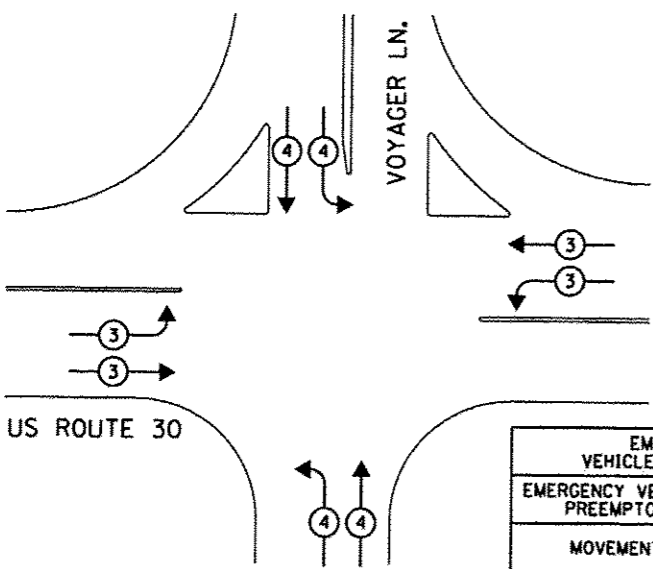


**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	8	+ 1

**EXISTING PHASE DESIGNATION DIAGRAM**

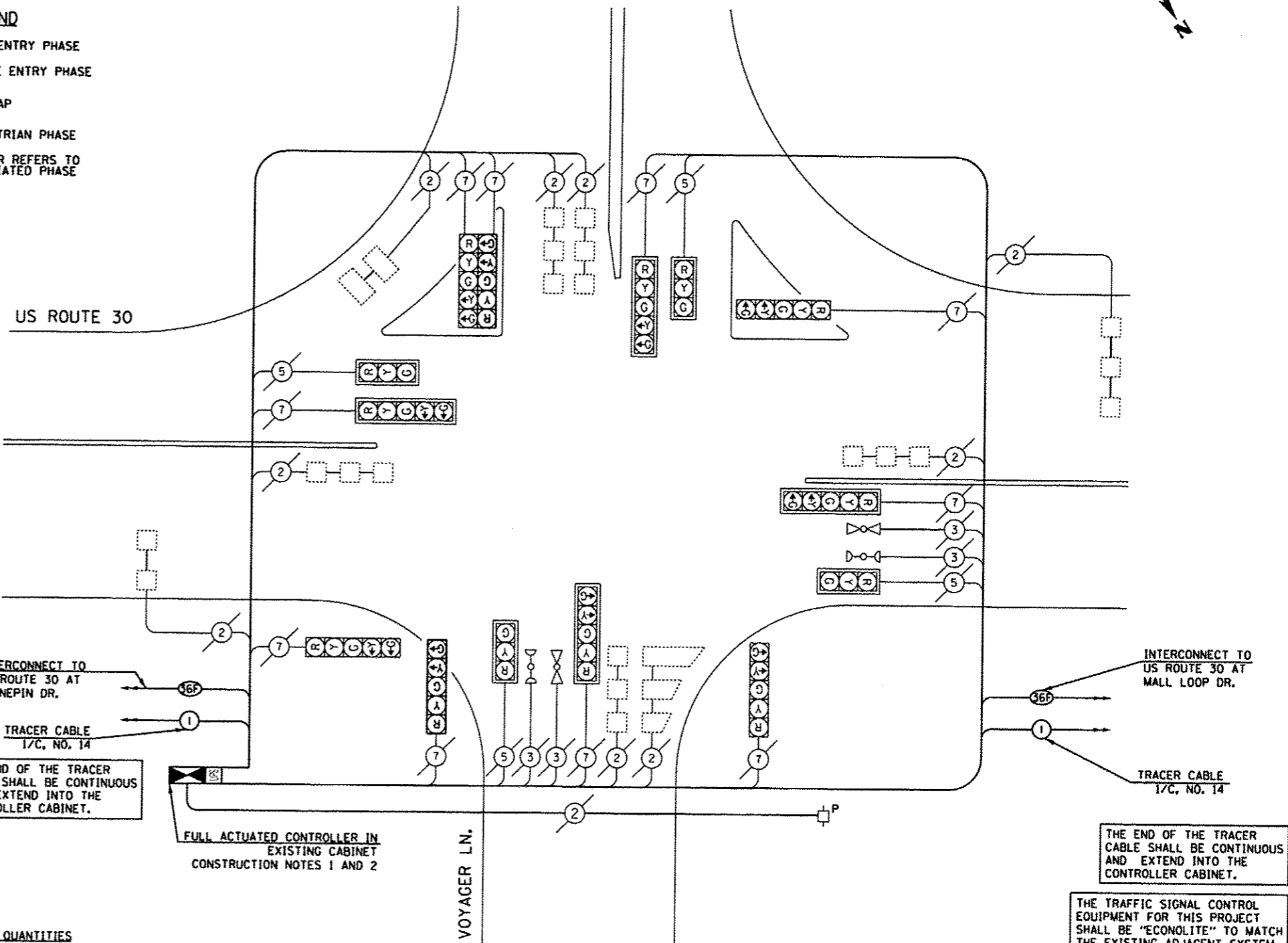
(NOT TO SCALE)



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**

(NOT TO SCALE)



INTERCONNECT TO US ROUTE 30 AT HENNEPIN DR.

TRACER CABLE 17C, NO. 14

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

FULL ACTUATED CONTROLLER IN EXISTING CABINET CONSTRUCTION NOTES 1 AND 2

INTERCONNECT TO US ROUTE 30 AT MALL LOOP DR.

TRACER CABLE 17C, NO. 14

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	17	0.50	119.0
(YELLOW)	14	25	0.25	87.5
(GREEN)	14	15	0.25	52.5
ARROW	20	12	0.10	24.0
PED. SIGNAL	-	25	1.00	-
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN	-	25	0.05	-
VIDEO SYSTEM	-	150	1.00	-
FLASHER	-	-	0.50	-
ENERGY COSTS TO:				TOTAL = 383.0

CITY OF JOLIET  
150 W. JEFFERSON STREET  
JOLIET, ILLINOIS 60432

ENERGY SUPPLY CONTACT: GREGG TRIEMSTRA  
PHONE: 815-724-5534  
COMPANY: COMMONWEALTH EDISON

**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCIVER-FIBER OPTIC
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	FULL ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	REMOVE EXISTING CONTROLLER

- CONSTRUCTION NOTES:**
- THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE WITH A BRAND NEW CONTROLLER. THIS WORK SHALL BE DONE DURING THE PRE-CONSTRUCTION STAGE SO THAT THIS INTERSECTION CAN BE WIRELESSLY INTERCONNECTED TO ADJACENT SIGNALIZED INTERSECTIONS. THE EXISTING CONTROLLER IS NOT CAPABLE OF USING WIRELESS INTERCONNECT.
  - WORK SHALL TAKE NO MORE THAN FOUR (4) HOURS AND SHALL BE DONE BETWEEN THE HOURS OF 9 A.M. AND 3 P.M. OR AS DIRECTED BY THE ENGINEER.



USER NAME: .USER.	DESIGNED: MC	REVISED: -
FILE NAME: D16RM13-shs-ta02.dgn	DRAWN: VP/MG	REVISED: -
PLOT SCALE: 20.0000 / 1 in.	CHECKED: LY/KP	REVISED: -
PLOT DATE: 12/17/2013	DATE: 12/17/2013	REVISED: -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, EXISTING PHASE DESIGNATION DIAGRAM, EXISTING EMERGENCY VEHICLE PREEMPTION, AND SCHEDULE OF QUANTITIES, US ROUTE 30 AT VOYAGER LN.

F.A.P. RTE. 575	SECTION 14-N	COUNTY WILL	TOTAL SHEETS 163	SHEET NO. 68
CONTRACT NO. 60W13				ILLINOIS FED. AID PROJECT