

**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607



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

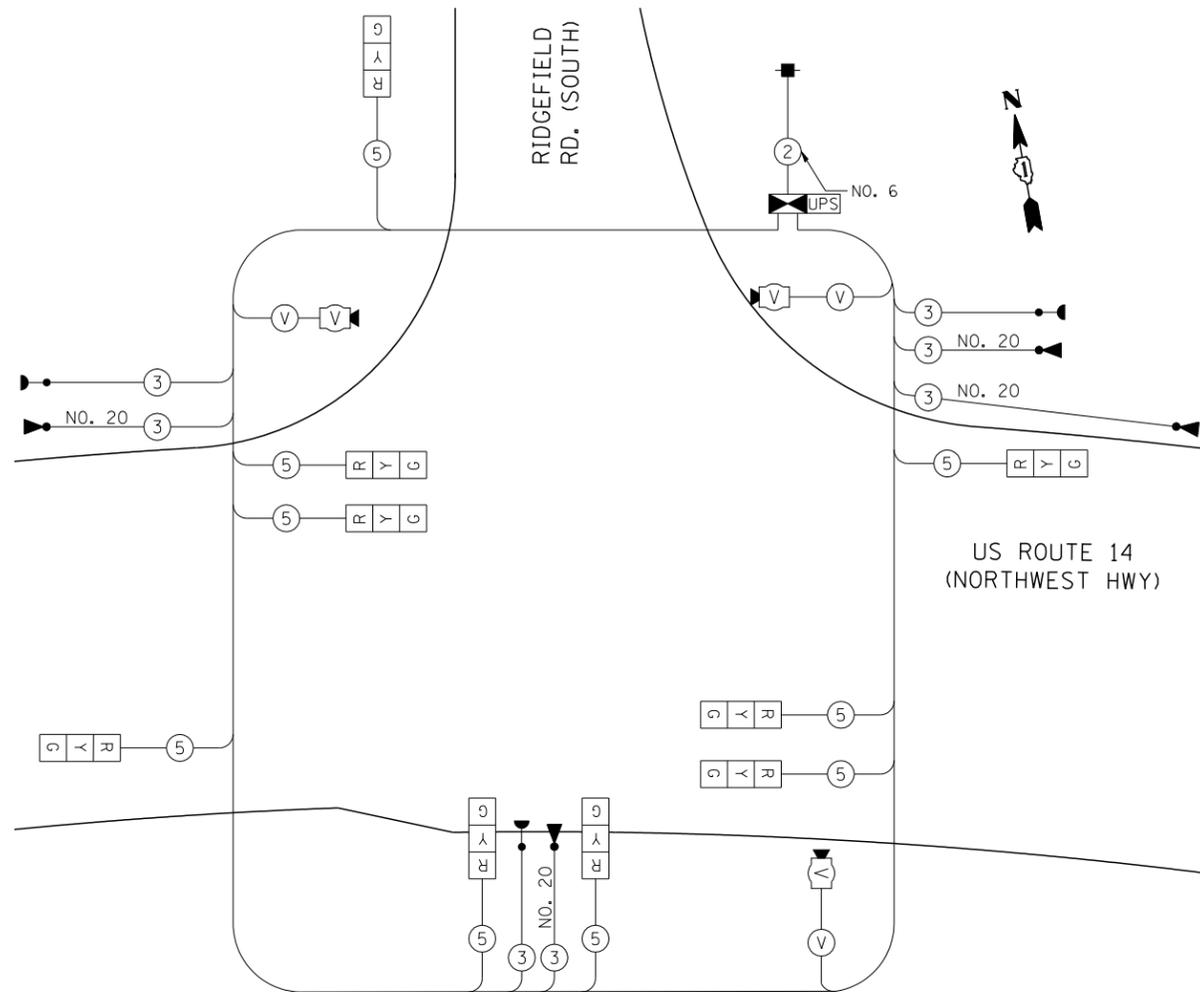
TYPE	NO. OF LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	9	135	17	0.50	76.5
(YELLOW)	9	135	25	0.25	56.25
(GREEN)	9	135	15	0.25	33.75
ARROW		135	12	0.10	
CONTROLLER		100	100	1.00	
VIDEO SYSTEM	1	150	150		100
					150

ENERGY COSTS TO: TOTAL = 416.5

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

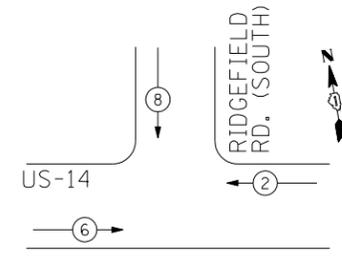
ENERGY SUPPLY: CONTACT: MIKE WIDHALM  
 PHONE: (815) 263-5624  
 COMPANY: COMED

FILE NAME = ...\\D162517-SHT-TS21A.dgn	USER NAME = rswanson	DESIGNED - JW	REVISED -
		DRAWN - AB	REVISED -
		PLOT SCALE = 20:1	REVISED -
		CHECKED - BS	REVISED -
		DATE - 10/15/2013	REVISED -



TEMPORARY CABLE PLAN

TEMPORARY CONTROLLER SEQUENCE



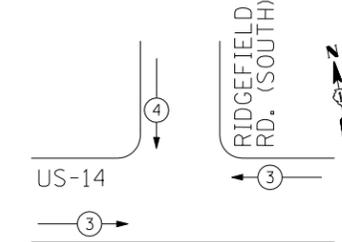
TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE 1

- LEGEND
- ⊙ DUAL ENTRY PHASE
  - ⊠ SINGLE ENTRY PHASE
  - ⊙ OL OVERLAP
  - ⊙ PEDESTRIAN PHASE
  - \* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

STAGE 1



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↕	↓

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 US. RTE 14 AND RIDGEFIELD ROAD (SOUTH)

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	27R-3	MCHENRY	431	293
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62517	