

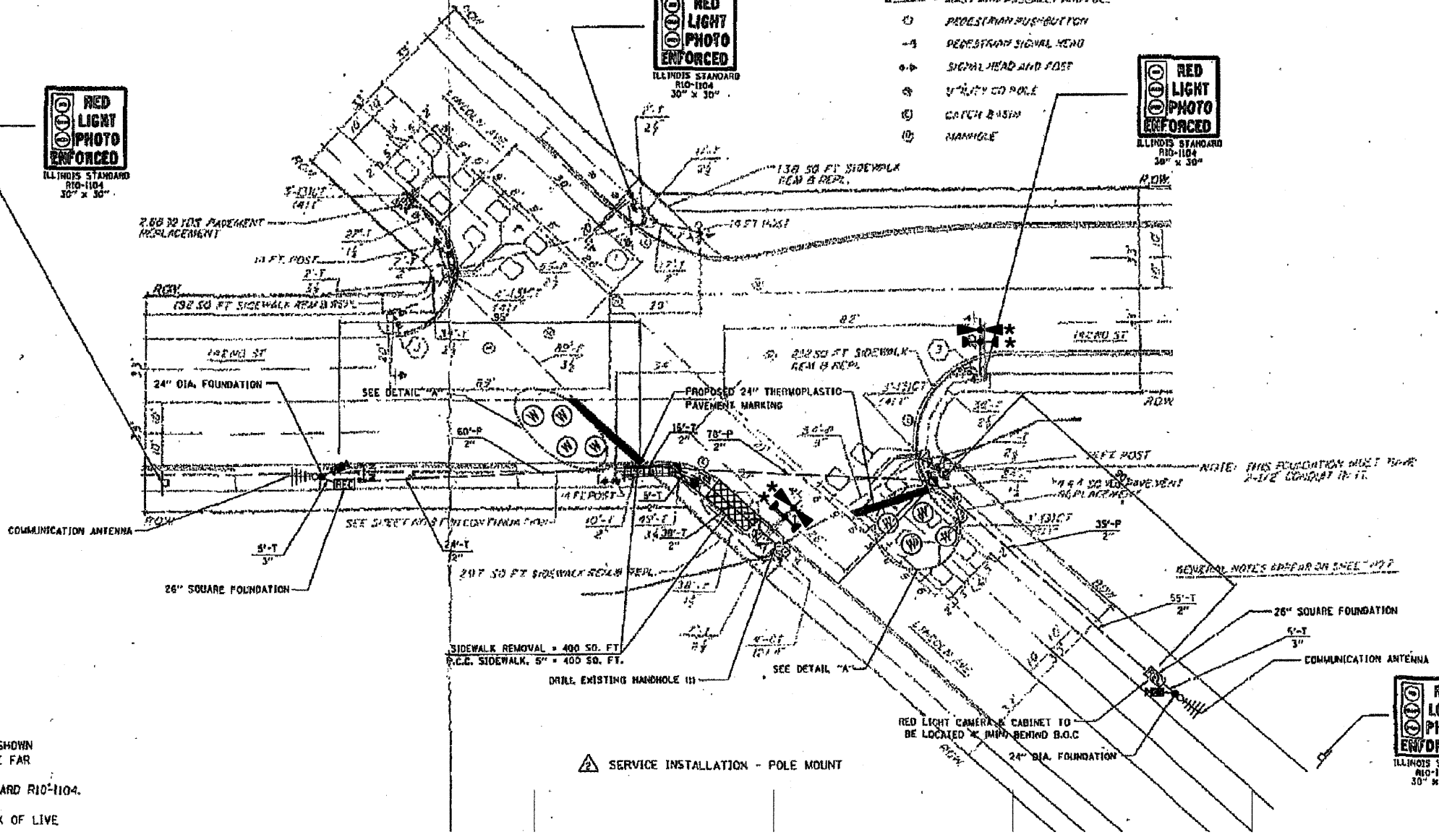
ALL WIRELESS MAGNETIC DETECTOR TO BE LOCATED IN CENTER OF LANE, PLACED IN A 4" DIA. BY 2.5" DEEP CORE. IF NECESSARY, THE DIMENSIONS OF THE WIRELESS MAGNETIC DETECTORS SHOULD BE ADJUSTED TO AVOID ALL EXISTING LOOP DETECTORS.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOG, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**RED LIGHT INSTALLATION LEGEND**  
 RED LIGHT ENFORCEMENT CABINET  
 RED LIGHT ENFORCEMENT CAMERA  
 WIRELESS MAGNETIC DETECTOR  
 RED LIGHT PHOTO ENFORCEMENT SIGN

SPIN ARM LOCATION  
 SERVICE INSTALLATION  
 HANDHOLE  
 SIGNAL HANDHOLE  
 GALVANIZED STEEL CONDUIT  
 UPPER DIAMETER: 1.5" (MIN.)  
 LOWER DIAMETER: 1.5" (MIN.)  
 TYPICAL CONDUIT: 1.5" (MIN.)  
 LOWER DIAMETER: 1.5" (MIN.)  
 TYPICAL CONDUIT: 1.5" (MIN.)

CONTROLLED CABINET  
 DETECTION LOOP  
 SIGNAL HEAD WITH BASEPLATE  
 SIGNAL ARM ASSEMBLY AND POLE  
 PEDESTRIAN PUSHBUTTON  
 PEDESTRIAN SIGNAL HEAD  
 SIGNAL HEAD AND POST  
 UTILITY CO. POLE  
 CATCH BASIN  
 HANDHOLE



**CONSTRUCTION NOTES:**

- SIGNAL CHANGE INDICATIONS WILL BE RECEIVED THROUGH INDUCTANCE COILS ATTACHED TO SIGNAL CABLES IN THE EXISTING CABINET. NO DIRECT CONNECTIONS OR SPLICES ARE ALLOWED.
- IDOT CONDUIT CAN ONLY BE USED TO FACILITATE THE ACQUISITION OF THE CHANGE INDICATION THROUGH THE USE OF INDUCTANCE COILS.
- THE COMMUNICATION ANTENNA WILL BE MOUNTED TO THE RED LIGHT RUNNING CAMERA HOUSING. IT WILL BE USED FOR BOTH DETECTION AND ENFORCEMENT COMMUNICATION REQUIREMENTS.
- RED LIGHT PHOTO ENFORCEMENT SIGNS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON THE PLANS. SIGNS SHALL BE PLACED AT THE FOLLOWING LOCATIONS: 1) THE FAR MAST ARM / SIGNAL POLE, 2) APPROXIMATELY 150' BEFORE THE INTERSECTION. THE SIGNS SHALL BE OF DIMENSIONS 30" x 30" ACCORDING TO ILLINOIS STANDARD R10-1104.
- ORANGE AND RED FLAGS MUST BE ATTACHED TO EACH SIGN FOR THE FIRST WEEK OF LIVE RLR CAMERA ENFORCEMENT.

THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

\* ADDED EV PREEMPTION LOCATION NO. 10

FILE NAME = 0824-PLAN-14 - IDOT P01	USER NAME =	DESIGNED - MFS	REVISED - 10-13-09 *	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED EMERGENCY VEHICLE PREEMPTION 142ND STREET & LINCOLN AVENUE TRAFFIC SIGNAL PLAN			F.A.U. RTE. 15983593	SECTION 09-00114-00-TL	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 29
PLOT SCALE =	DRAWN - PS	CHECKED - PKB	REVISED -		SCALE: 1"=20'	SHEET NO. 29 OF 43 SHEETS	STA. TO STA.	CONTRACT NO. 63317				
PLOT DATE = 10-13-09	CHECKED - AG	DRAWN - PS	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(539)							