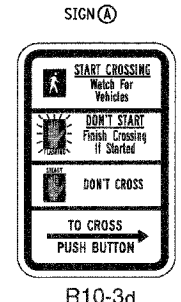
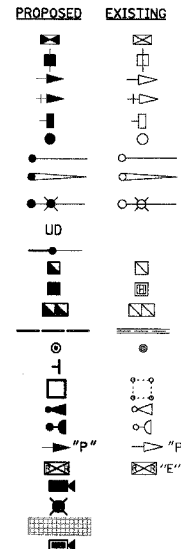


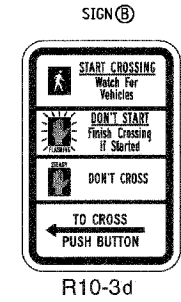
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2647	99-00142-07-WR	LAKE	256	95
CONTRACT NO. 83815				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

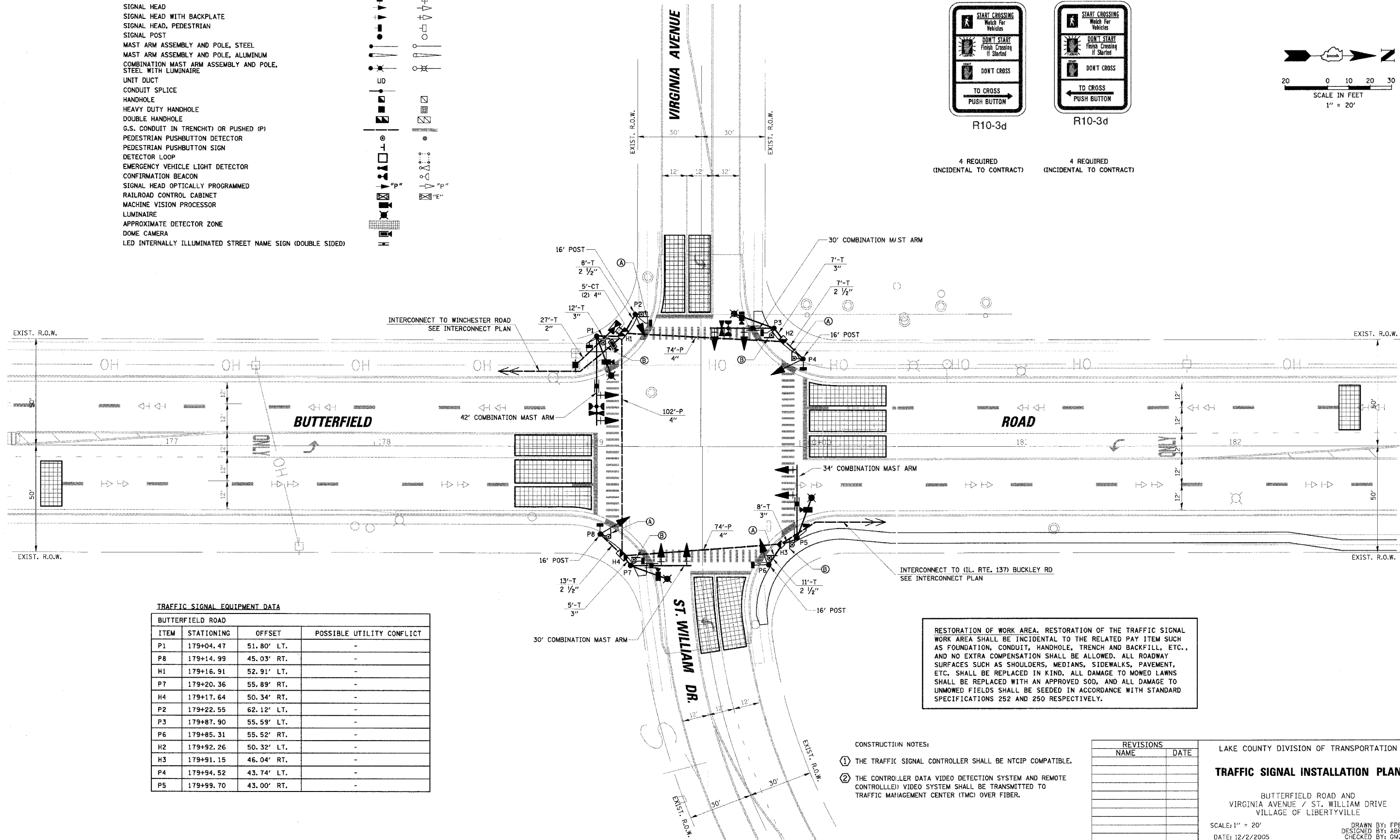
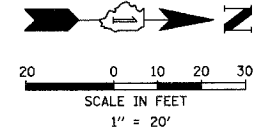
- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- UNIT DUCT
- CONDUIT SPLICE
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- G.S. CONDUIT IN TRENCH(T) OR PUSHED (P)
- PEDESTRIAN PUSHBUTTON DETECTOR
- PEDESTRIAN PUSHBUTTON SIGN
- DETECTOR LOOP
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- SIGNAL HEAD OPTICALLY PROGRAMMED
- RAILROAD CONTROL CABINET
- MACHINE VISION PROCESSOR
- LUMINAIRE
- APPROXIMATE DETECTOR ZONE
- LED INTERNALLY ILLUMINATED STREET NAME SIGN (DOUBLE SIDED)



4 REQUIRED (INCIDENTAL TO CONTRACT)



4 REQUIRED (INCIDENTAL TO CONTRACT)



TRAFFIC SIGNAL EQUIPMENT DATA

BUTTERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	179+04.47	51.80' LT.	-
P8	179+14.99	45.03' RT.	-
H1	179+16.91	52.91' LT.	-
P7	179+20.36	55.89' RT.	-
H4	179+17.64	50.34' RT.	-
P2	179+22.55	62.12' LT.	-
P3	179+87.90	55.59' LT.	-
P6	179+85.31	55.52' RT.	-
H2	179+92.26	50.32' LT.	-
H3	179+91.15	46.04' RT.	-
P4	179+94.52	43.74' LT.	-
P5	179+99.70	43.00' RT.	-

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 SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

- CONSTRUCTION NOTES:
- ① THE TRAFFIC SIGNAL CONTROLLER SHALL BE NTCIP COMPATIBLE.
 - ② THE CONTROLLER DATA VIDEO DETECTION SYSTEM AND REMOTE CONTROLLED VIDEO SYSTEM SHALL BE TRANSMITTED TO TRAFFIC MANAGEMENT CENTER (TMC) OVER FIBER.

REVISIONS	
NAME	DATE

LAKE COUNTY DIVISION OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
 BUTTERFIELD ROAD AND VIRGINIA AVENUE / ST. WILLIAM DRIVE VILLAGE OF LIBERTYVILLE
 SCALE: 1" = 20'
 DATE: 12/2/2005
 DRAWN BY: FPB/FCP
 DESIGNED BY: ABR
 CHECKED BY: GMZ