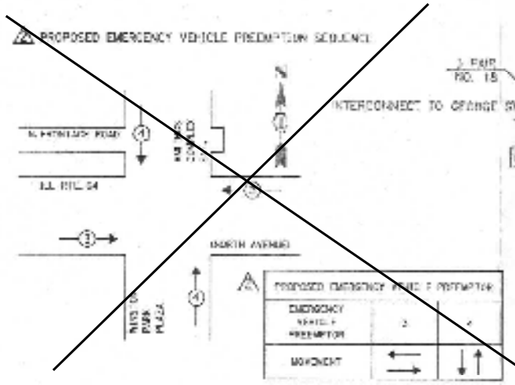
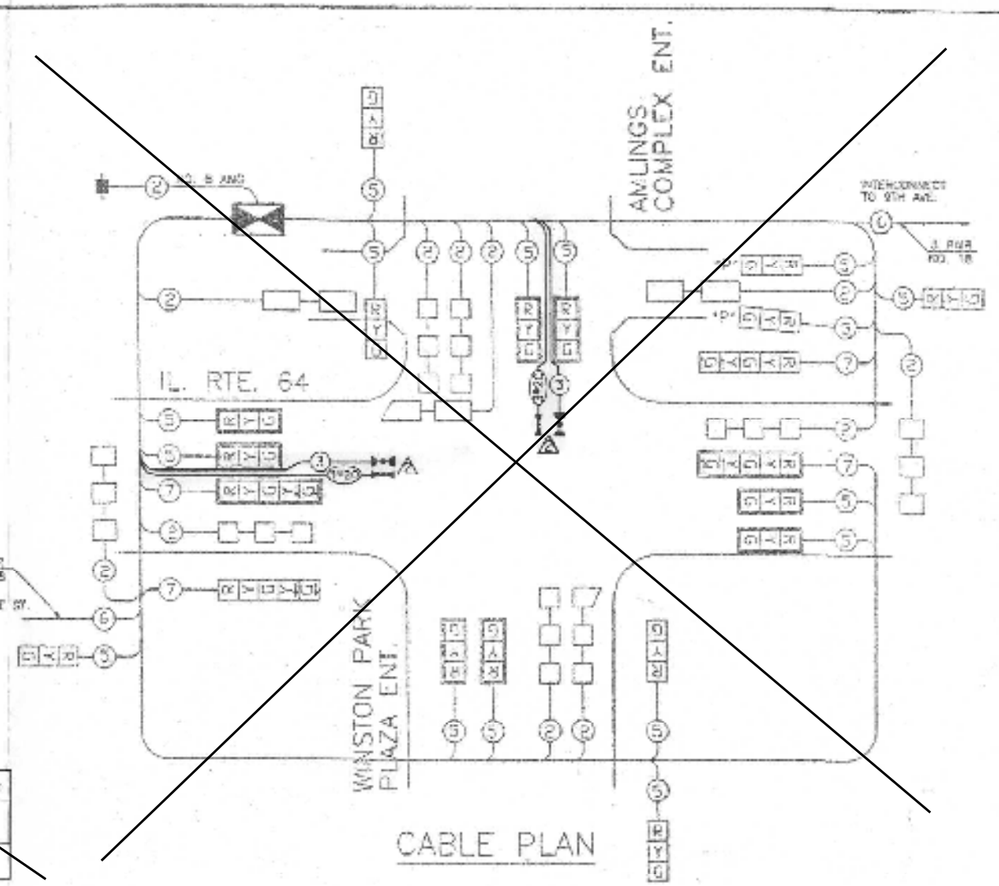
FOR INFORMATION ONLY

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
13.5	SQ. FT.	SIGN PANEL-TYPE 1
8	EACH	SIGNAL HEAD, 1 FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, 1 FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2 FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1 FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	COMBINATION SIGNAL HEAD, 3 FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 2-3 SECTION, BRACKET MOUNTED
1	EACH	COMBINATION SIGNAL HEAD, 3 FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED
1	EACH	GALVANIZED STEEL TRAFFIC SIGNAL POST, 14 FT.
2	EACH	GALVANIZED STEEL TRAFFIC SIGNAL POST, 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.
1	EACH	FULL ACTUATED CONTROLLER, SPECIAL SEQUENCE, 8 PHASE, IN TYPE IV CABINET
1	EACH	TRANSIENTOR
11	EACH	INDUCTION LOOP DETECTOR AMPLIFIER
1612	LIN. FT.	DETECTOR LOOP, TYPE I
85	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 1-1/2"
384	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 2"
92	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 2-1/2"
60	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 3"
65	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 2"
143	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 3"
75	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 3-1/2"
337	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 4"
27	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 5"
270	LIN. FT.	UNIT DUCT, WITHOUT CABLE, IN TRENCH 1"
82	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 8, 8/C
3419	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14, 5/C
989	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14, 7/C
5804	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14, 2/C TWISTED, SHIELDED
1	EACH	SERVICE INSTALLATION, TYPE "S"
7	LIN. FT.	CONCRETE FOUNDATION, TYPE "A"
34.0	LIN. FT.	CONCRETE FOUNDATION, TYPE "J"
50	LIN. FT.	CONCRETE FOUNDATION, TYPE "E" 30" DIAMETER
1	EACH	CONCRETE HANDHOLE
1	EACH	CONCRETE DOUBLE HANDHOLE
700	LIN. FT.	TRENCH AND BACKFILL
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
13	EACH	REMOVE EXISTING HANDHOLE
1	EACH	REMOVE EXISTING CONCRETE FOUNDATION
2	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION





SEQUENCE OF OPERATION

MOVEMENT	1 + 5	2 + 5	1 + 6	2 + 6	3	4	FLASH
PHASE INTERVAL	1 2 3 4	5 6A 6B 7 8A 8B	9 10A 10B 11 12A 12B	13 14A 14B	15 16A 16B	17 18A 18B	
CHANGE TO PHASE	2+5 1+6 ALL OTHERS	1+5 2+6 ALL OTHERS	1+5 2+6 ALL OTHERS	3 OR 4	ALL OTHERS		
IL. 64 E/B NEAR RIGHT AND MID. MAST ARM SIGNALS	R R R R	G Y R G Y R	R R R K R R	G Y R	R R R	R R R R	R
IL. 64 E/B FAR LEFT AND END MAST ARM SIGNALS	R R R R	G Y R G Y R	R R R R R R	G Y R	R R R	R K R R	R
IL. 64 W/B NEAR RIGHT AND MID MAST ARM SIGNALS	G R R R	R R R R R R	K Y R G Y R	G Y R	K R R	R R R R	R
IL. 64 W/B FAR LEFT AND END MAST ARM SIGNALS	R R G Y	R R R R R R	G Y R G Y R	G Y R	K R R	R R R R	R
SERVICE ROAD NORTH SIDE E/B	R R R R	R R R R R R	R R R R R R	R R R	G Y R	R R R R	R
WINSTON PARK PLAZA N/B AND S/B SIGNALS	R R R R	R R R R R R	R R R R R R	R R R	R R R	G Y R R	R

CABLE PLAN LEGEND

- 8" TRAFFIC SIGNAL SECTION
- 12" TRAFFIC SIGNAL SECTION
- 16" PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- # SERVICE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- (#) DENOTES NUMBER OF CONDUCTORS (NEW). ALL LOOP DETECTOR CABLE TO BE SHIELDED. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- INDICATES EXISTING CABLE
- SIGNAL FACE WITH BACKPLATE
- "P" INDICATES PROGRAMMED
- EXISTING SIGNAL SECTION
- MAGNETIC DETECTOR
- OPTICAL DETECTOR
- ⚠#4 CONFIGURATION REVISION

⚠ SCHEDULE OF QUANTITIES

TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
ELECTRIC CABLE IN CONDUIT, STRAND, NO. 14 3/C	FOOT	355
ELECTRIC CABLE IN CONDUIT NO. 20 5C. TWISTED, SHIELDED	FOOT	355
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1

⚠ INSTALLATION OF EMERGENCY VEHICLE PREEMPTION #4 REVISION

MELROSE PARK SHEET 156 OF 365

CHRISTOPHER B. BURKE ENGINEERING, LTD.

REVISIONS	
NAME	DATE
ADD WINDOWS	4-24-13
DRAFT	6-28-05

ILLINOIS DEPARTMENT OF TRANSPORTATION
SEQUENCE OF OPERATION
CABLE PLAN
SCHEDULE OF QUANTITIES
IL RTE. 64 (NORTH AVENUE)
AND
WINSTON PARK PLAZA

SCALE: VERT. HORIZ. | DRAWN BY: MJK
DATE: APRIL 24, 2013 | CHECKED BY: JHK

TS# 8800
MELROSE PARK

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - PKG	REVISED -
		DRAWN - EA, EB	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - PKG	REVISED -
	PLOT DATE = $DATE$	DATE - 7/12/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SEQUENCE OF OPERATION
IL RTE 64 (NORTH AVENUE) AT WINSTON PLAZA

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2013-036TS	COOK	76	36
		CONTRACT NO. 60W82		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		