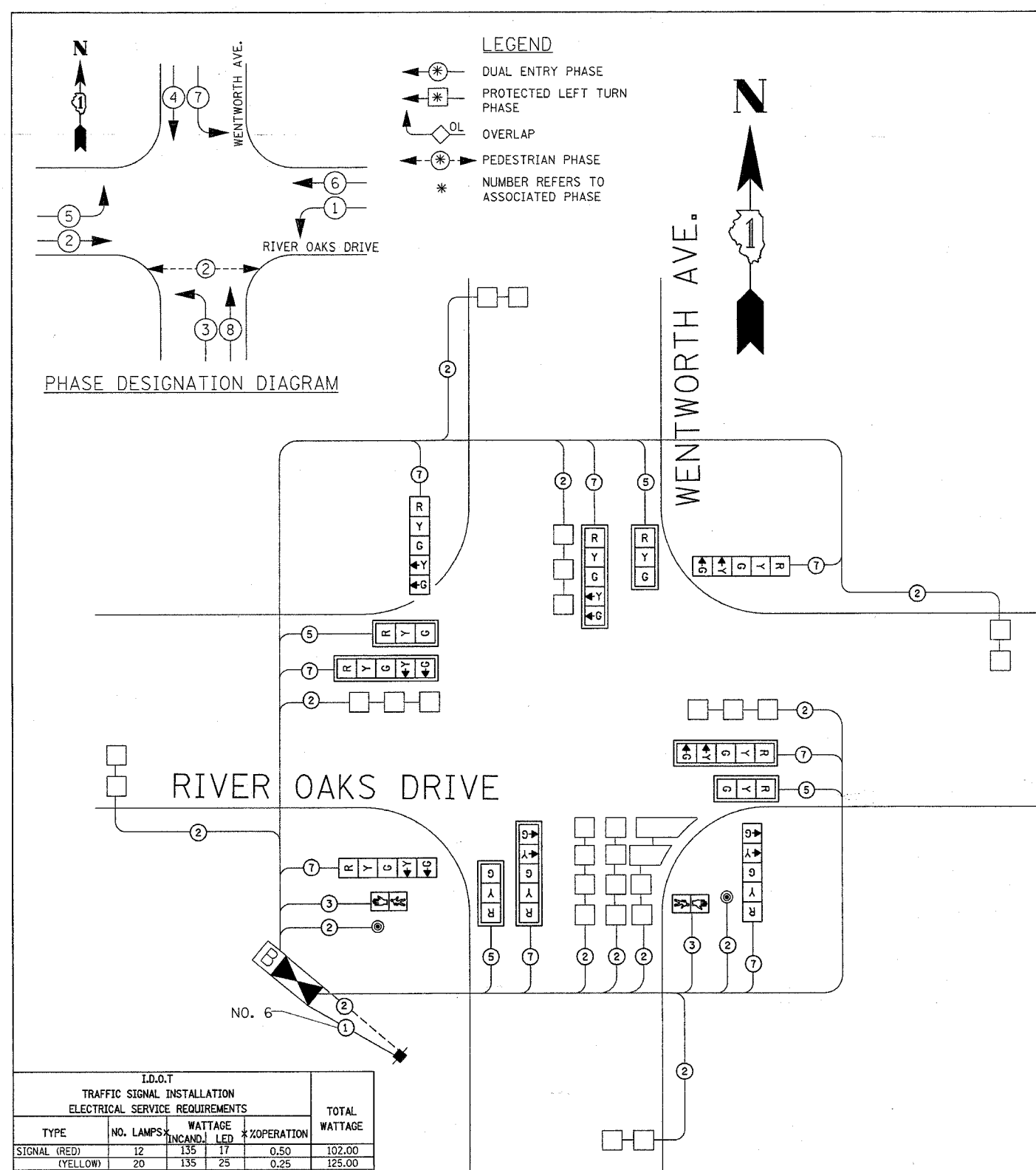


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1608	3368 A-N	COOK	74	42
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ. FT.	36
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1050
CONDUIT IN PUSH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	45
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	132
CONDUIT IN PUSH, 4" DIA., GALVANIZED STEEL	FOOT	182
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	197
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1182
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	184.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	204.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	861
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1660
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2712
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	30
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIA.	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIA.	FOOT	30
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION, MAST ARM MNTD.	EACH	4
SIGNAL HEAD, L.E.D. 1-FACE, 5 SECTION, MAST ARM MNTD.	EACH	4
SIGNAL HEAD, L.E.D. 1-FACE, 5 SECTION, MAST ARM MNTD.	EACH	4
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRKT. MTD.	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE I	FOOT	810
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
SERVICE INSTALLATION, POLE MOUNT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CABLE PLAN LEGEND		PROPOSED	EXISTING
CONTROLLER CABINET			
RAILROAD CONTROL CABINET			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT			
TELEPHONE CONNECTION			
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED			
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED			
GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)			
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD			
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE			
12" (300mm) TRAFFIC SIGNAL SECTION			
12" (300mm) PEDESTRIAN SIGNAL SECTION			
ILLUMINATED SIGN "NO LEFT TURN"			
ILLUMINATED SIGN "NO RIGHT TURN"			
PUSHBUTTON DETECTOR			
DETECTOR LOOP			
PERFORMED DETECTOR LOOP			
MICROWAVE VEHICLE SENSOR			
VIDEO DETECTOR			
CLOSED CIRCUIT TV			
EMERGENCY VEHICLE SYSTEM DETECTOR			
CONFIRMATION BEACON			

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	20	135	25	0.25	125.00
(GREEN)	20	135	15	0.25	75.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	90	25		1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	421.20

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20' H-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	(6m H-0.6m)=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096
 CONTACT: KEVIN LUBAWSKI
 PHONE: 630-437-2495
 COMPANY: COMM. ED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 CABLE PLAN AND PHASE
 DESIGNATION DIAGRAM
 WENTWORTH AVE. AND
 RIVER OAKS DR.
 SCALE: NTS
 DATE: 3/26/2007
 DRAWN BY: BCK
 DESIGN BY: BCK
 CHECKED BY: DAD

3/26/2007
 ca:\projects\tr\office\060011\wentworthriveroaks.dgn
 kanthapixybc