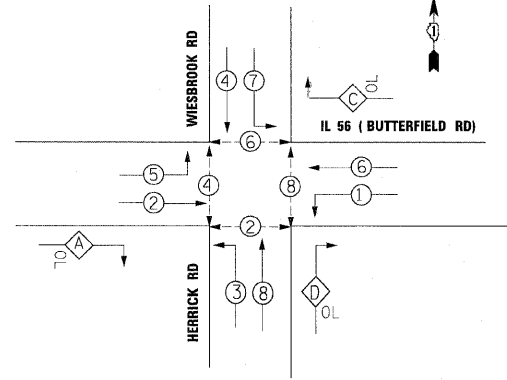
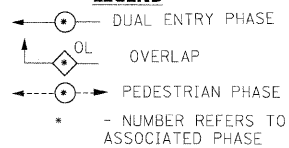


CONTROLLER SEQUENCE

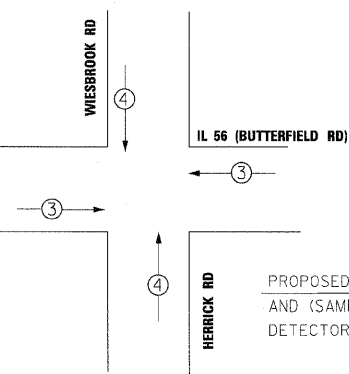


LEGEND



OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
C	6	7
D	8	1

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTORS	3 4
MOVEMENT	↔ ↑↓

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	17	-	17	0.50	144.5
(YELLOW)	17	-	25	0.25	106.25
(GREEN)	17	-	15	0.25	63.75
ARROW	28	-	12	0.10	33.6
PED. SIGNAL	8	-	25	1.00	200
CONTROLLER	1	-	100	1.00	100
FLASHER					0.50
TOTAL =					648.1

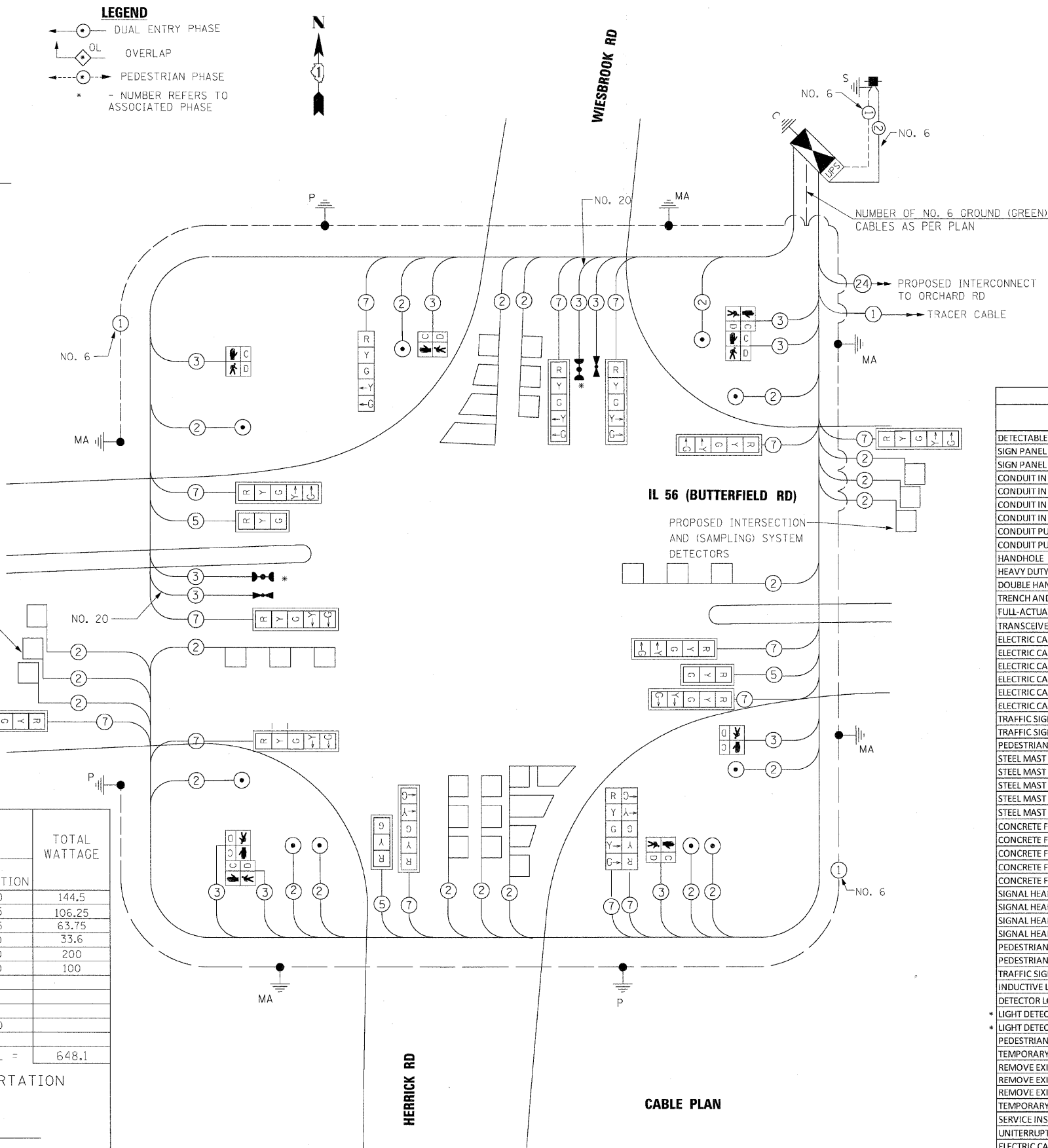
ENERGY COSTS TO: TOTAL = 648.1

ILLINOIS DEPARTMENT OF TRANSPORTATION

201 W. CENTER COURT
SCHAMBURG, ILLINOIS 60196

ENERGY SUPPLY CONTACT: JOSEPH STACHO
PHONE: 630-424-5704
COMPANY: COMED

FILE NAME =	DESIGNED GHT	REVISED -
...\\dlf62419-shs-ta-pohl\pht.dgn	DRAWN BDW	REVISED -
USER NAME = tbleak	CHECKED MPM	REVISED -
PLOT DATE = 12/7/2010	DATE 12/6/10	REVISED -



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

- 50% EVP COST TO WHEATON FIRE DEPARTMENT
- 50% EVP COST TO WARRENVILLE FIRE DISTRICT

NOTE:
ALL DETECTOR LOOPS AT THIS INTERSECTION ARE PREFORMED (EMBEDDED IN PCC PAVEMENT)

SUMMARY OF QUANTITIES		
DESCRIPTION	UNIT	TOTAL QUANTITY
DETECTABLE WARNINGS	SQ FT	173
SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	30
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	620
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	36
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	140
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	254
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	560
HANDHOLE	EACH	1
HEAVY DUTY HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	638
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,285
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,023
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	997
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,636
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PR	FOOT	4,069
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C	FOOT	130
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 42 FT. AND 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD LED 1-FACE 3-SECTION MAST ARM MOUNTED	EACH	3
SIGNAL HEAD LED 1-FACE 5-SECTION BRACKET MOUNTED	EACH	1
SIGNAL HEAD LED 1-FACE 5-SECTION MAST ARM MOUNTED	EACH	11
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	13
DETECTOR LOOP, TYPE I	FOOT	1,234
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	10
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING CONCRETE FOUNDATION	EACH	12
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	660
ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED SHIELDED	FOOT	329

benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN,
PHASE DESIGNATION DIAGRAM AND EVP SEQUENCE
IL RTE 56 AND HERRICK RD /WIESBROOK RD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(57 & 58)WRS-2	DUPAGE	681	349
CONTRACT NO. 62419			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. 6 OF 27 SHEETS STA. TO STA.