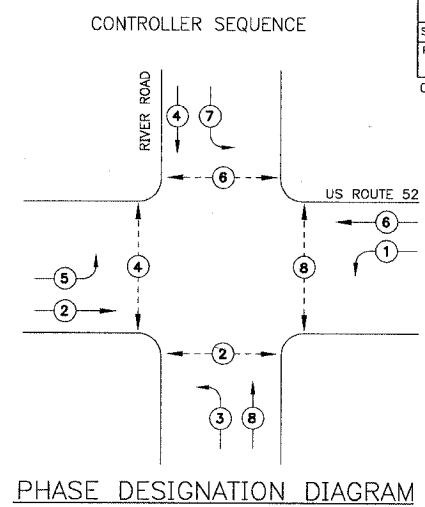


NOTES:
 PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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

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



LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	12
SIGN PANEL - TYPE 2	SQ FT	30
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	775
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	63
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	19
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	134
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	275
HANDHOLE	EACH	6
HEAVY DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	867
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1
FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	748
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1255
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	809
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1339
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1649
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6, 2C	FOOT	301
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE 1	FOOT	1009
PEDESTRIAN PUSH BUTTN	EACH	5
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	643
SERVICE INSTALLATION, POLE MOUNT	EACH	1
TEMPORARY FLASHING BEACON INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1379
SIGNAL HEAD, L. E. D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, L. E. D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, L. E. D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, L. E. D., 1-FACE, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, L. E. D., 2-FACE, BRACKET MOUNTED	EACH	3

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2'
E - M. ARM POLE	-	SIGNAL POST	2	BRACKET MOUNTED	13
24"	10"	CONTROLLER CAB.	6	PED. PUSHBUTTON	4
30"	15	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN NO LEFT TURN
		ILLUMINATED SIGN NO RIGHT TURN
		GROUND ROD AT HANDHOLE (H).
		GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO LAMPS	WATTAGE	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	0.50	102
(YELLOW)	12	25	0.25	75
(GREEN)	12	15	0.25	45
ARROW	16	12	0.10	19
PED. SIGNAL	8	25	1.00	200
CONTROLLER	1	100	1.00	100
ILLUM. SIGN	-	40	0.50	-
STREET LIGHTS	-	250	0.50	-
FLASHER	-	-	0.50	-
TOTAL =				541

ENERGY COSTS BILLED TO: VILLAGE OF SHOREWOOD (ADDRESS) 903 WEST JEFFERSON STREET SHOREWOOD, ILLINOIS 60431 - 9705

ENERGY SUPPLY CONTACT: LOU NUNEZ 815-724-5606 COMMONWEALTH EDISON

REVISIONS	
NAME	DATE
RWL	9-15-04
RWL	10-05-04

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL
 SCHEDULE OF QUANTITIES,
 CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 US ROUTE 52 AT
 RIVER ROAD

SCALE: NONE
 DATE: 8-1-04

DRAWN BY: UKB
 DESIGNED BY: RWL
 CHECKED BY: RWL

U:\SHRWD\010665\DWGS\10665-CABLE.dwg
 Plotted: 12-15-04 @ 11:28am By: 231ukb
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