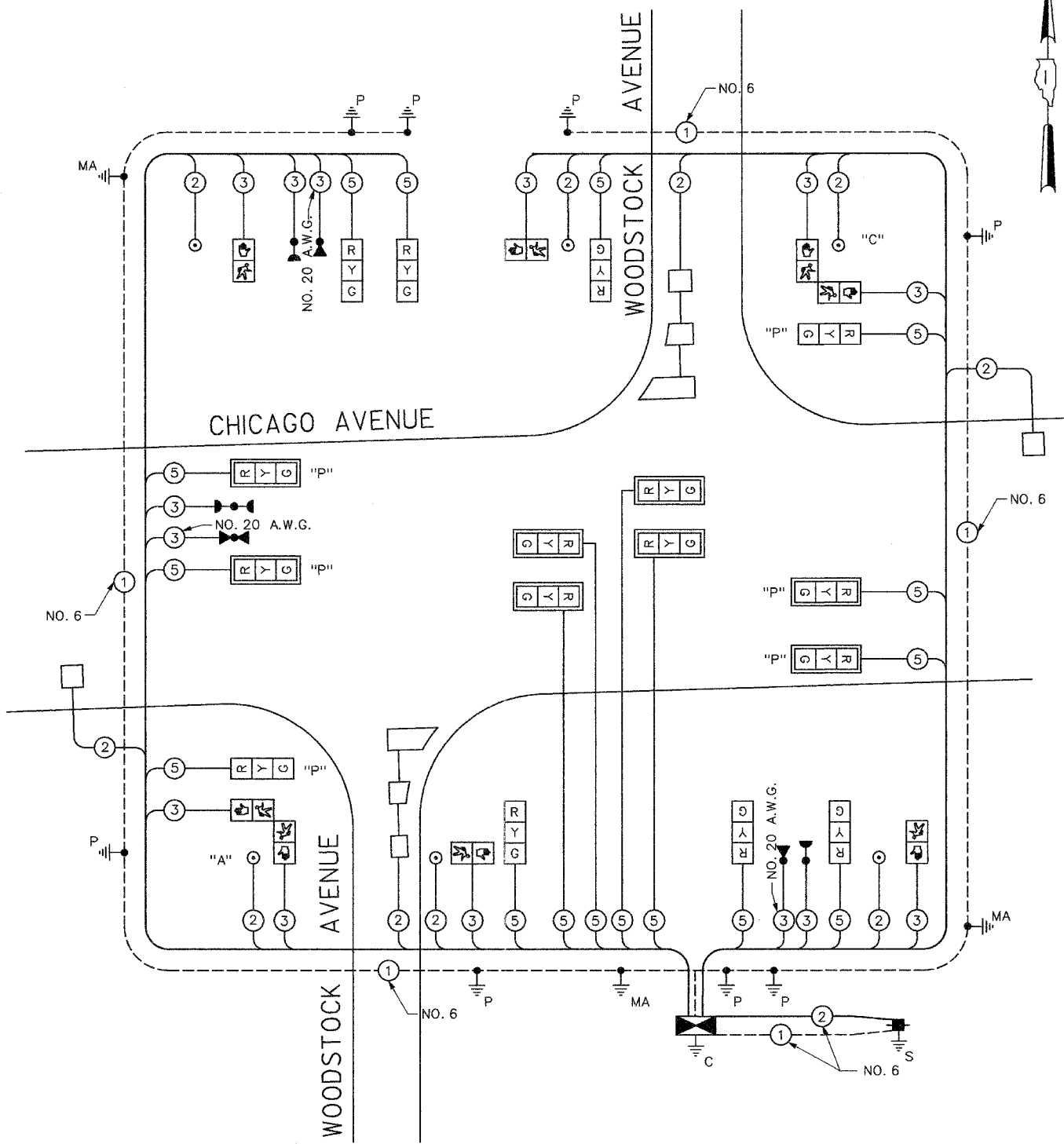


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	412	156
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:		
CONTRACT NO. 62376				

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
34.5	SQ FT	SIGN PANEL - TYPE I
435	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
167	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
101	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
123	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
196	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
7	EACH	HANDHOLE
2	EACH	DOUBLE HANDHOLE
704	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
915	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1828	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2342	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1079	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR
31	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
6	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.
32	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
30	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
15	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
2	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNED
4	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNED
8	EACH	TRAFFIC SIGNAL BACKPLATE
4	EACH	INDUCTIVE LOOP DETECTOR
190	FOOT	DETECTOR LOOP, TYPE I
54	FOOT	PREFORMED DETECTOR LOOP
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
5	EACH	REMOVE EXISTING HANDHOLE
10	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION, POLE MOUNT
636	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
536	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNED
6	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNED
4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNED
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNED

• 100% COST TO THE VILLAGE OF CLARENDON HILLS



CABLE PLAN

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
⊗	⊗	PUSH-BUTTON 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, FIBER OPTIC "NO LEFT TURN"
⊗	⊗	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
H/C	H/C	GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
P	P	GROUND ROD AT POST OR MAST ARM POLE
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
⊗	⊗	LOCAL AND MASTER CONTROLLER
⊗	⊗	MICROWAVE VEHICLE SENSOR

PUSH-BUTTON NOTES:
 PUSH-BUTTON *A* SHALL PLACE A CALL IN PHASES 2 AND 3.
 PUSH-BUTTON *C* SHALL PLACE A CALL IN PHASES 4 AND 6.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		OPERATION	
		INCAND.	LED		
SIGNAL (RED)	10	135	17	0.50	85.0
(YELLOW)	10	135	25	0.25	62.5
(GREEN)	10	135	15	0.25	37.5
ARROW		135	12	0.10	
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN				0.05	
SIGNAL (RED)	6	150		0.50	450.0
(YELLOW)	6	150		0.25	225.0
(GREEN)	6	150		0.25	225.0
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 1385.0
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHLAUBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT: COMED PHONE: (866) 639-3532 COMPANY: COMED					

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'+L-2'
E-MAST ARM POLE		SIGNAL POST	2 (0.6)		(6m+L-0.6m)=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNED	6 (1.8)

GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 8035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**CABLE PLAN AND SCHEDULE OF QUANTITIES
 CHICAGO AVENUE AT WOODSTOCK AVENUE**

SCALE: N.T.S. DRAWN BY: BB
 DATE: SEPTEMBER 30, 2004 DESIGNED BY: PKG
 CHECKED BY: PKG

J:\projects\projects 2003\map16\16_woodstock-od.dgn
 28 FEB 2006
 10:06:10