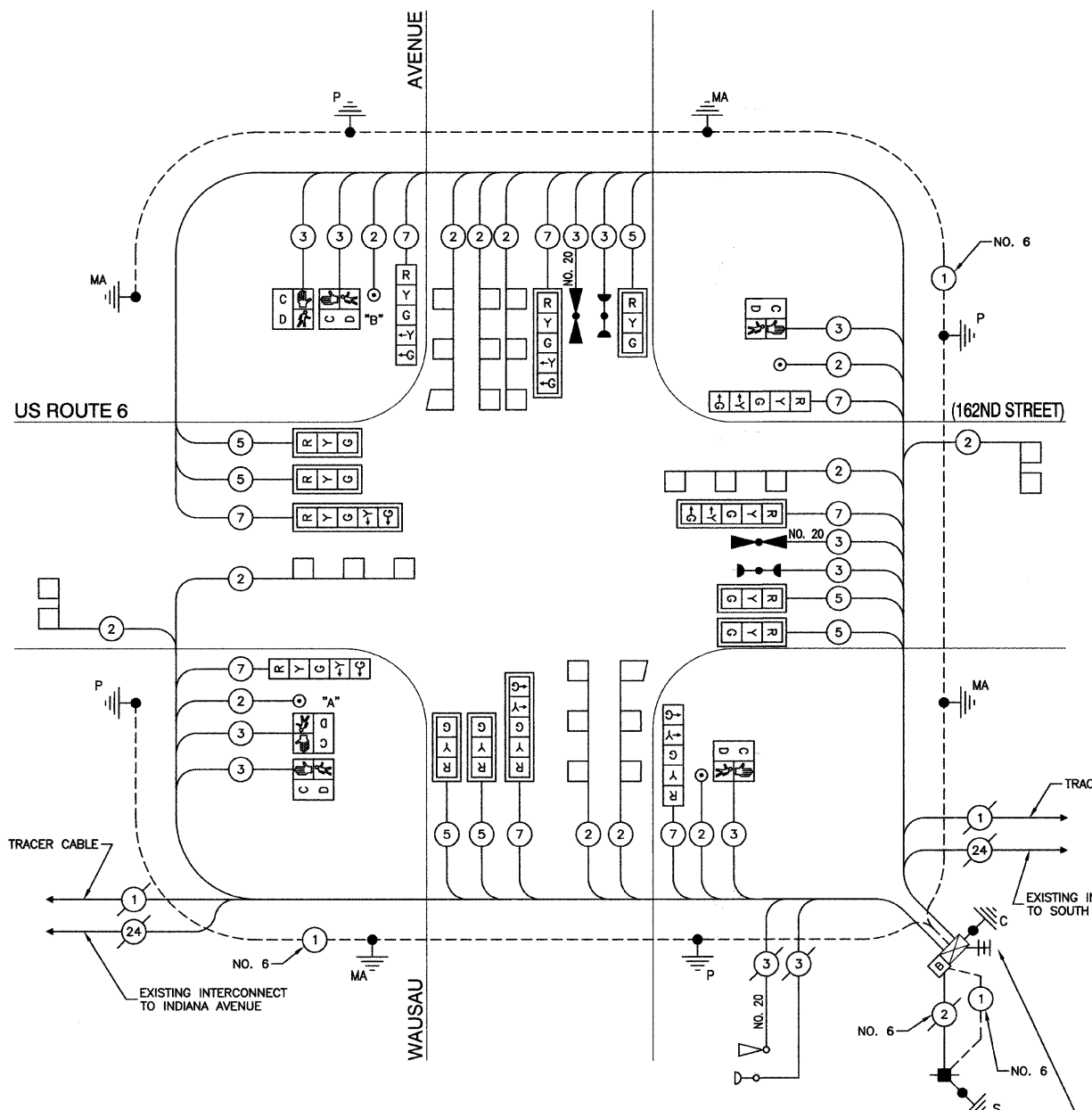


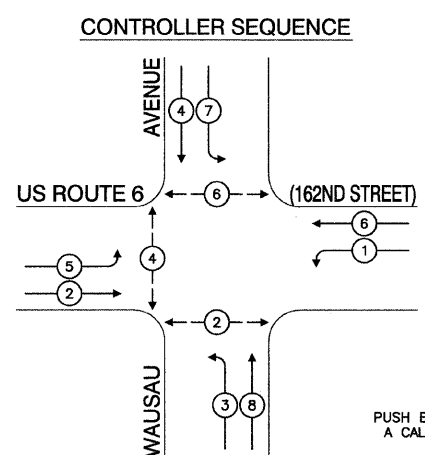
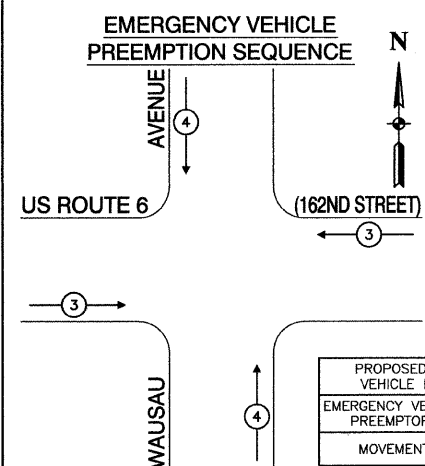
**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUAN
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	506
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	79
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	16
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	36
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	206
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
HEAVY-DUTY HANDHOLE	EACH	3
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	601
MAINTENANCE OF EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	573
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1304
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1220
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1509
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1774
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	54
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
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
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	11
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE 1	FOOT	936
LIGHT DETECTOR	EACH	2
PEDESTRIAN PUSH BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	13717
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6, 1C	FOOT	532
ELECTRIC CABLE IN CONDUIT, NO. 20, 3C, TWISTED, SHIELDED	FOOT	302
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5 1125 2-MM 12F & SM 12F	FOOT	6000
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14, 1C	FOOT	6000
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, WITH COUNTDOWN TIMERS, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, WITH COUNTDOWN TIMERS, BRACKET MOUNTED	EACH	2



**CABLE PLAN LEGEND**

EXISTING	PROPOSED	DESCRIPTION
		8" TRAFFIC SIGNAL SECTION
		12" TRAFFIC SIGNAL SECTION
		12" PEDESTRIAN SIGNAL SECTION
		12" PEDESTRIAN SIGNAL SECTION WITH COUNT DOWN TIMER
		CONTROLLER CABINET
		UNINTERRUPTIBLE POWER SUPPLY
		SERVICE INSTALLATION
		TELEPHONE CONNECTION
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
		DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		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"
		GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
		GROUND ROD AT POST OR MAST ARM POLE
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F
		ANTENNA & TRANSCEIVER FOR BUS PREEMPTION



PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4  
 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASE 4 AND 6

**LEGEND**

	DUAL ENTRY PHASE
	SINGLE ENTRY PHASE
	OVERLAP
	PEDESTRIAN PHASE
	NUMBER REFERS TO ASSOCIATED PHASE

**NOTE:**  
 ADVANCED FIRE STATION EVP DETECTOR SHALL CALL EV PHASE 4 (NORMAL PHASE 4+8)

**I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. LAMPS	WATTAGE	TOTAL WATTAGE
SIGNAL (RED)	13	135	17
(YELLOW)	13	135	25
(GREEN)	13	135	15
ARROW	20	135	12
PED. SIGNAL	6	90	25
CONTROLLER	1	100	100
ILLUM. SIGN		84	0.05

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 - M. ARM POLE		SIGNAL POST	2 (1.0)	(8m+L-0.6m)=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.5)	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 MOUNTED	6 (1.8)

ENERGY COSTS TO: VILLAGE OF SOUTH HOLLAND TOTAL = 548

ENERGY SUPPLY CONTACT: GREG TREMSTRA  
 PHONE: (708)235-2331  
 COMPANY: GDM ED

FILE NAME = 08659-CBLE-PLAN-01 - P01	USER NAME =	DESIGNED - PKB	REVISED -
		CHECKED - PKB	REVISED -
		DRAWN - PS	REVISED -
		CHECKED - AG	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS - CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, & QUANTITIES**

SCALE: NONE SHEET NO. 30 OF 43 SHEETS STA. TO STA.

F.A.P. RTE. 351	SECTION 09-00085-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 30
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				