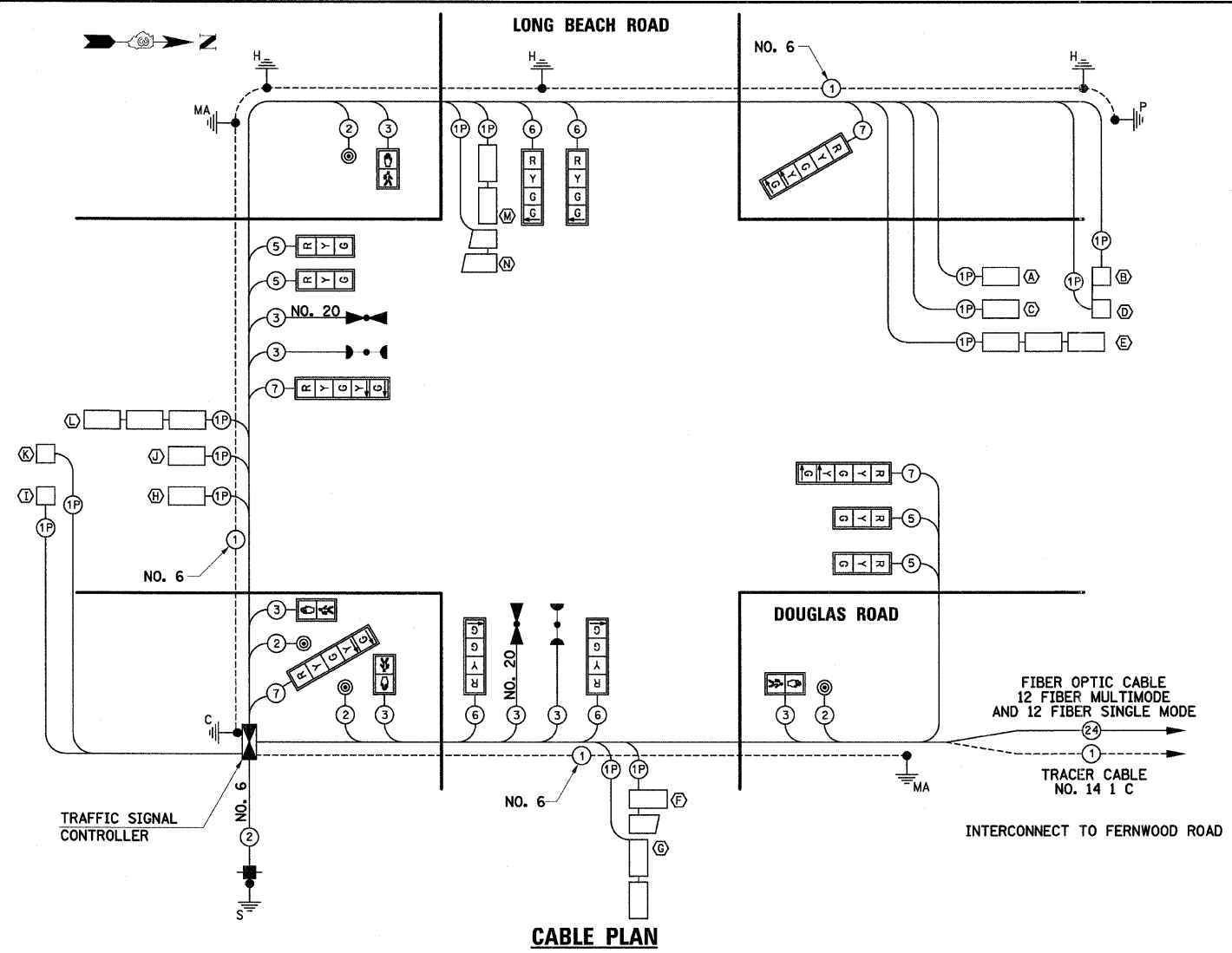
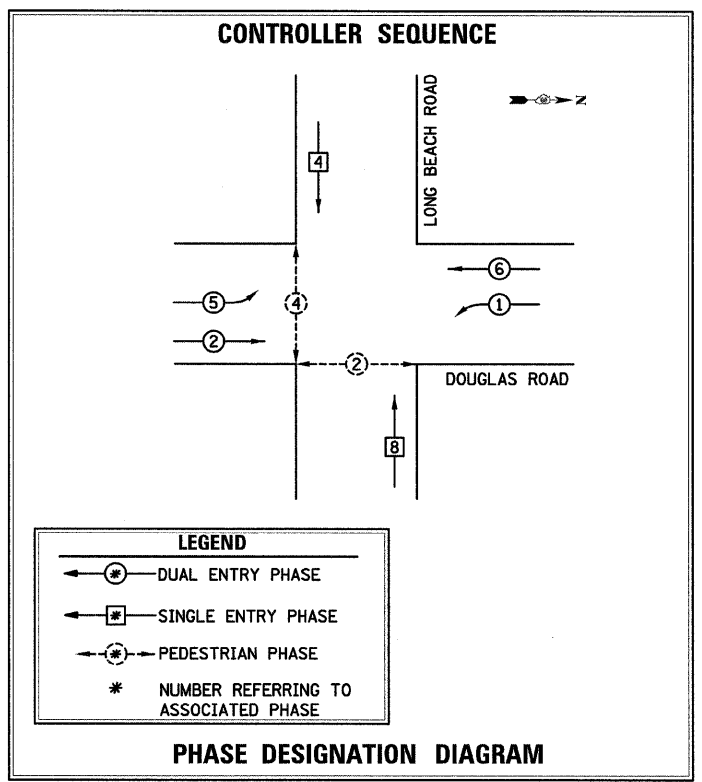


SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	55
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	560
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	645
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	64
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	42
CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	111
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	12
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	165
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1270
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	406
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	682
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	126
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	716
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2697
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	50
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
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
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	52
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE I	FOOT	1460
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING CABLE FROM CONDUIT	FOOT	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SMI2F	FOOT	1
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	506
ELECTRIC CABLE IN CONDUIT, NO.20 3C, TWISTED, SHIELDED	FOOT	286
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	
REMOVE EXISTING HANDHOLE	EACH	1



DOUGLAS ROAD AT LONG BEACH ROAD ELECTRICAL LOAD CHART

DOUGLAS ROAD			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	8	10	35
YELLOW	8	22	5
GREEN	8	12	60
YELLOW ARROW	3	10	5
GREEN ARROW	3	5	30

LONG BEACH ROAD			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	4	10	60
YELLOW	4	22	5
GREEN	4	12	35
GREEN ARROW	4	5	30

TRAFFIC SIGNAL CABINET			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	2	6	100
LOOP DETECTORS	12	4	100
UPS	1	50	100

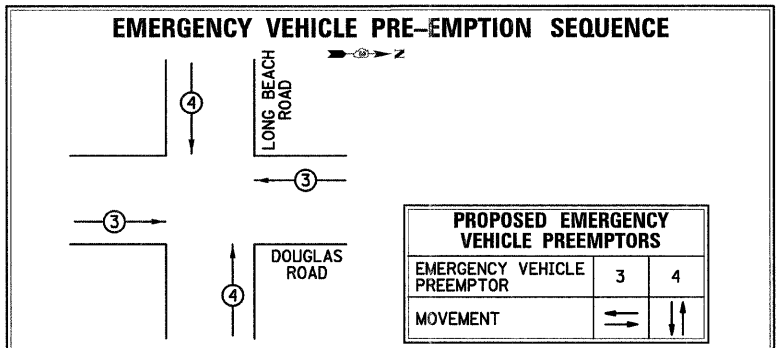
HIGHWAY LIGHTING			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	0	310	360 HRS/MONTH

ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	CONTROLLER CABINET
[Symbol]	[Symbol]	SERVICE INSTALLATION
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTION LOOP
[Symbol]	[Symbol]	LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON
[Symbol]	[Symbol]	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[Symbol]	[Symbol]	LIGHTING UNIT
[Symbol]	[Symbol]	12" TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
[Symbol]	[Symbol]	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HD), OR CONTROLLER (C)
[Symbol]	[Symbol]	GROUND ROD AT POST (P) OR MAST ARM (MA)
[Symbol]	[Symbol]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	[Symbol]	PUSHBUTTON DETECTOR



DOUGLAS ROAD AT LONG BEACH ROAD DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	6	SB WSTBR	4	154	49,139	OFF
B	6	SB WFAR	6	476	27,979	ON
C	6	SB ESTBR	4	154	49,139	OFF
D	6	SB EFAR	6	476	27,979	ON
E	1	SBLT	4	313	34,495	ON
F	8	WNB	4	227	40,496	ON
G	8	EWB	4	237	39,623	ON
H	2	NB ESTBR	4	93	63,264	OFF
I	2	NB FAR	5	316	34,316	ON
J	2	NB WSTBR	4	93	63,264	OFF
K	2	NB WFAR	5	316	34,316	ON
L	5	NBLT	4	252	38,459	ON
M	4	WEB	4	247	38,808	ON
N	4	EEB	4	228	40,417	ON

- ### NOTES
1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".
 2. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 - DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)
LONG BEACH ROAD
CABLE PLAN

SCALE: VERT. N.T.S.
HORIZ.

DATE: _____ DRAWN BY: _____ CHECKED BY: _____

PLAN SURVEYED BY: _____ DATE: _____
 PLOTTED BY: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____
 DATE FILED: _____

PROFILE SURVEYED BY: _____ DATE: _____
 PLOTTED BY: _____
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