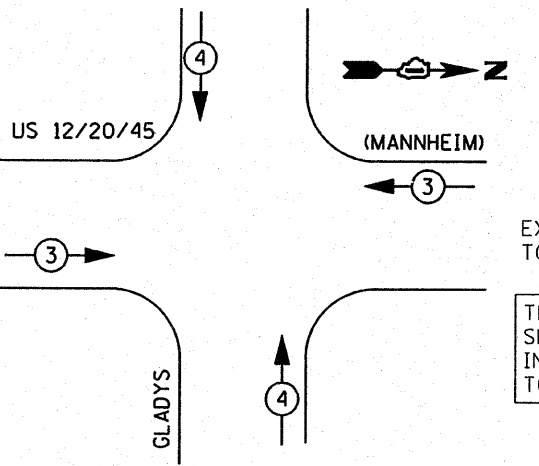
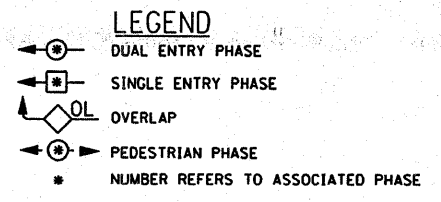


PHASE DESIGNATION DIAGRAM



SIGNAL INSTALLATION EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTOR			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	→	↑	↓

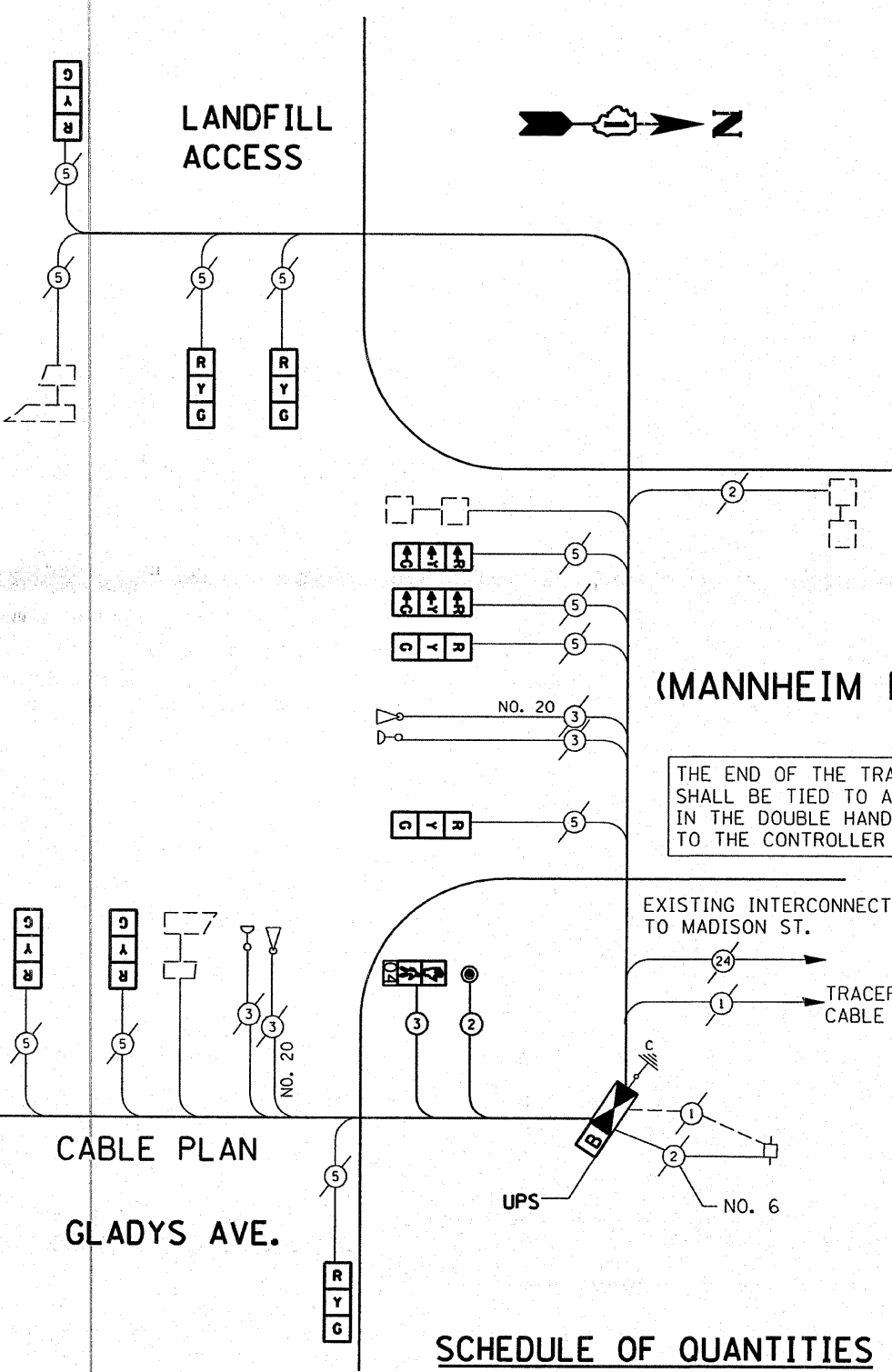
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	12	135	12	0.10	14.40
PED. SIGNAL	2	90	25	1.00	50.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 460.40

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)		16m±L-0.6m±
	24" (600mm)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
	30" (750mm)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
	36" (900mm)	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 SUPPLY CONTACT: 708-410-5069
 PHONE: COM. EDISON
 COMPANY:

FILE NAME: c:\projects\traffic\1070027\us12_20_45.dgn
 USER NAME: kanthapixaybc
 DESIGNED: BCK
 DRAWN: BCK
 PLOT SCALE: 48,0000" / IN.
 CHECKED: DAD
 PLOT DATE: 10/10/2008
 DATE:

REVISED: -
 REVISED: -
 REVISED: -
 REVISED: -



CABLE PLAN GLADYS AVE.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
INDUCTIVE LOOP DETECTOR	EACH	6
THERMOPLASTIC PAVEMENT MARKING LINE 12"	FOOT	72
THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	17
THERMOPLASTIC PAVEMENT MARKING REMOVAL	FOOT	125
MAINTENANCE OF EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	152
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	160
PEDESTRIAN PUSH-BUTTON	EACH	2
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION, SPAN WIRE MNTD.	EACH	14
PEDESTRIAN SIGNAL HEAD with COUNTDOWN TIMER	EACH	2
L.E.D., 1-FACE, BRKT. MTD.	EACH	2
UNINTERRUPTIBLE POWER SUPPLY	EACH	1

CABLE PLAN LEGEND		PROPOSED	EXISTING
CONTROLLER CABINET		[Symbol]	[Symbol]
RAILROAD CONTROL CABINET		[Symbol]	[Symbol]
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT		[Symbol]	[Symbol]
TELEPHONE CONNECTION		[Symbol]	[Symbol]
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE		[Symbol]	[Symbol]
FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED		[Symbol]	[Symbol]
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED		[Symbol]	[Symbol]
GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)		[Symbol]	[Symbol]
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD		[Symbol]	[Symbol]
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE		[Symbol]	[Symbol]
12" (300mm) TRAFFIC SIGNAL SECTION		[Symbol]	[Symbol]
12" (300mm) PEDESTRIAN SIGNAL SECTION with COUNTDOWN TIMER		[Symbol]	[Symbol]
ILLUMINATED SIGN "NO LEFT TURN"		[Symbol]	[Symbol]
ILLUMINATED SIGN "NO RIGHT TURN"		[Symbol]	[Symbol]
PUSHBUTTON DETECTOR		[Symbol]	[Symbol]
DETECTOR LOOP		[Symbol]	[Symbol]
PREFORMED DETECTOR LOOP		[Symbol]	[Symbol]
MICROWAVE VEHICLE SENSOR		[Symbol]	[Symbol]
VIDEO DETECTOR		[Symbol]	[Symbol]
CLOSED CIRCUIT TV		[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR		[Symbol]	[Symbol]
CONFIRMATION BEACON		[Symbol]	[Symbol]
UNINTERRUPTIBLE POWER SUPPLY		[Symbol]	[Symbol]

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE 'ECONOLITE' TO MATCH THE ADJACENT SYSTEM.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED ON SPANWIRE CABLE PLAN US 12/20/45 (MANNHEIM) @ GLADYS AVE.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2008-006 TS	COOK	100	73

CONTRACT NO. 60E31

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