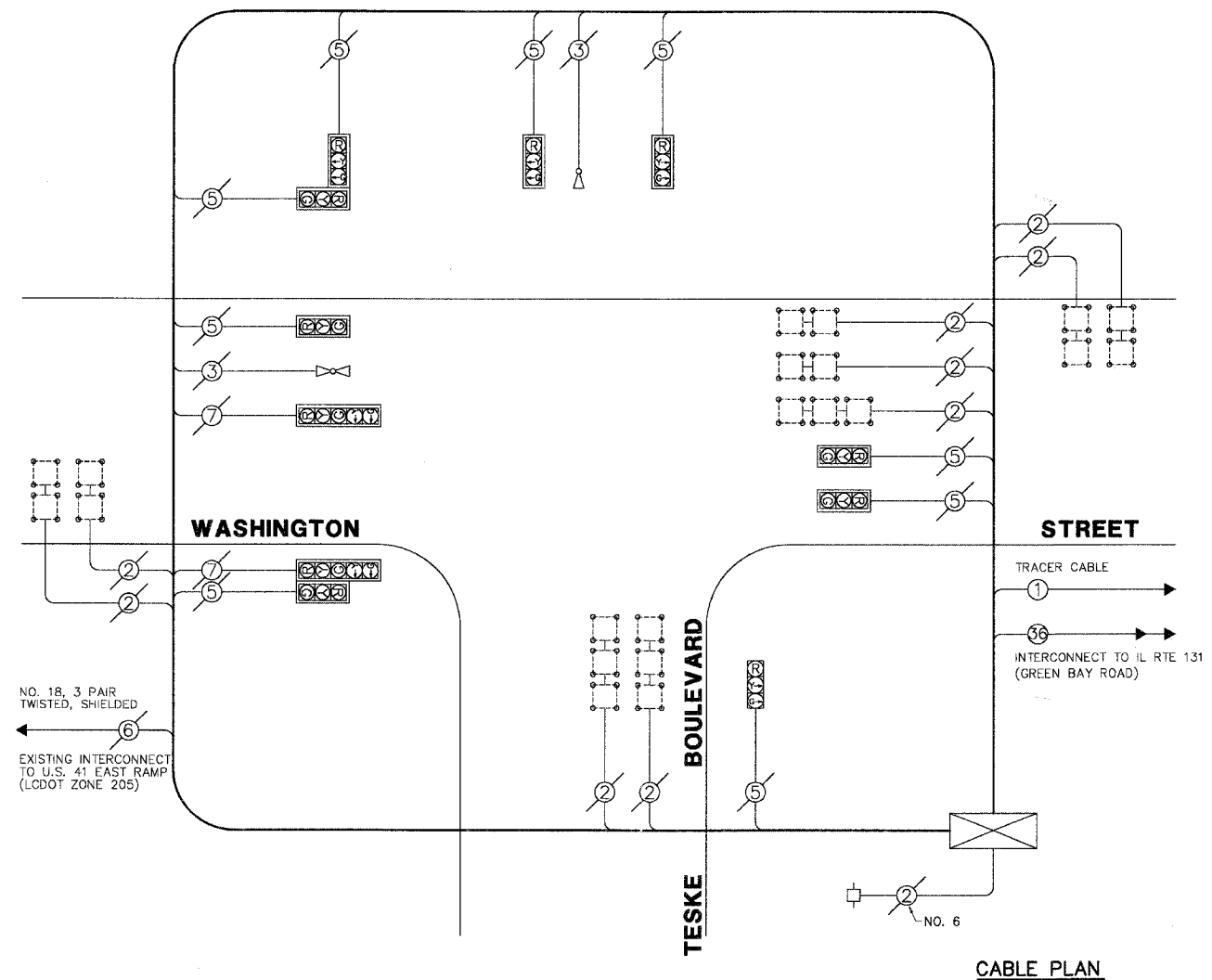


F.A.D. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	04-00272-00-TL	LAKE	72	6
CABLE PLAN, PHASE DESIGNATION DIAGRAM				
ILLINOIS				

**SCHEDULE OF QUANTITIES**  
WASHINGTON STREET AND TESKE BOULEVARD

QUANT.	UNIT	ITEM
<b>TRAFFIC SIGNAL IMPROVEMENTS</b>		
1.	1 EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION



**CABLE PLAN LEGEND**

EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	12" TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" PEDESTRIAN SIGNAL SECTION
[Symbol]	[Symbol]	CONTROLLER CABINET
[Symbol]	[Symbol]	SERVICE INSTALLATION
[Symbol]	[Symbol]	TELEPHONE INSTALLATION
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTION LOOP
[Symbol]	[Symbol]	EMERGENCY VEHICLE LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON
[Symbol]	[Symbol]	PUSHBUTTON DETECTOR
[Symbol]	[Symbol]	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[Symbol]	[Symbol]	GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN)
[Symbol]	[Symbol]	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F
[Symbol]	[Symbol]	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
[Symbol]	[Symbol]	RAILROAD CONTROL CABINET
[Symbol]	[Symbol]	ILLUMINATED SIGN "NO LEFT TURN"
[Symbol]	[Symbol]	ILLUMINATED SIGN "NO RIGHT TURN"
[Symbol]	[Symbol]	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H) OR CONTROLLER (C)
[Symbol]	[Symbol]	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
[Symbol]	[Symbol]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
[Symbol]	[Symbol]	BELDEN 8281 COAXIAL CABLE
[Symbol]	[Symbol]	ISDN LINE
[Symbol]	[Symbol]	LUMINAIRE
[Symbol]	[Symbol]	VIDEO DETECTION CAMERA
[Symbol]	[Symbol]	PTZ CAMERA
[Symbol]	[Symbol]	VIDEO COMMUNICATIONS CABINET
[Symbol]	[Symbol]	L.E.D. STREET NAME SIGN
[Symbol]	[Symbol]	UNINTERRUPTIBLE POWER SUPPLY

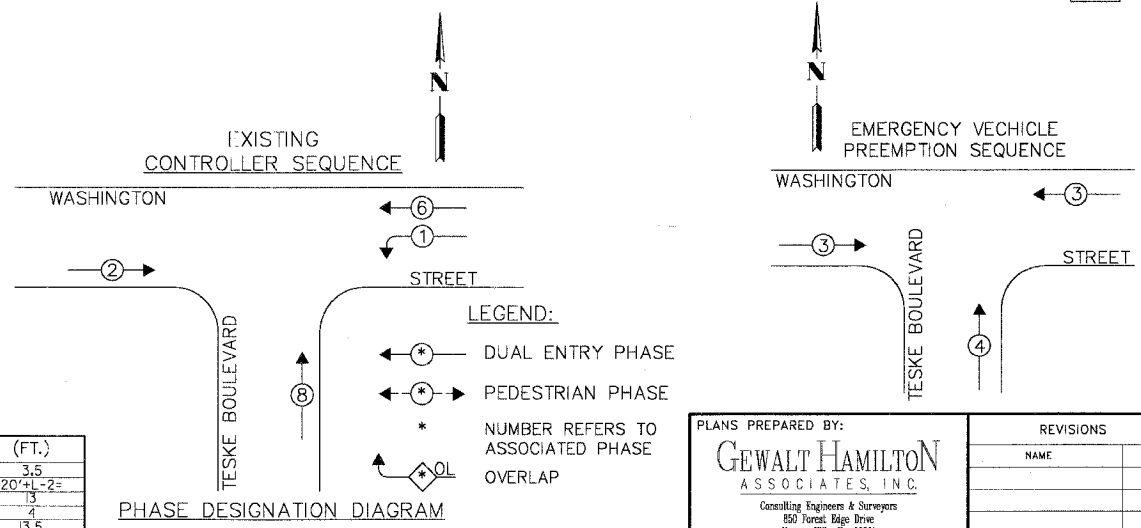
L.C.D.O.T.  
TRAFFIC SIGNAL INSTALLATION  
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO LAMPS	WATTAGE			TOTAL WATTAGE
		INCAND.	L.E.D.	% OPERATION	
SIGNAL (RED)	11	135	10	0.50	742.5
SIGNAL (YELLOW)	7	135	19	0.10	94.5
SIGNAL (GREEN)	7	135	11	0.40	378.0
ARROW	12	135	9	0.10	162.0
PED.SIGNAL	-	90	9	1.00	-
CONTROLLER	1	100	100	1.00	100.0
LUMINAIRE	-	250	0.50	-	-
L.E.D. ST. NAME SIGN	-	64	0.50	-	-
VIDEO SYSTEM	-	150	1.00	-	-
BATTERY BACKUP	-	25	1.00	-	-
TOTAL =					1477.0

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP" COMPLIANT.

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
TYPE D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'-1-2"
TYPE E - M.ARM POLE	15	SIGNAL POST	2	BRACKET MOUNTED	13
		CONTROL CAB.	1	PED. PUSHBUTTON	7
		FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

ENERGY COSTS - BILLED TO: CITY OF WAUKEGAN  
(ADDRESS) 100 N. M.L.K. JR. AVENUE  
(ADDRESS) WAUKEGAN, IL  
ENERGY SUPPLY - CONTACT: MS. ALICE TAYLOR  
PHONE: (847) 816-5323  
COMPANY: COMED - LIBERTYVILLE



EXISTING EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	MOVEMENT
3	4

PLANS PREPARED BY:  
**GEWALT HAMILTON ASSOCIATES, INC.**  
Consulting Engineers & Surveyors  
850 Forest Edge Drive  
Vernon Hills, IL 60061  
(815) 478-9700  
(815) 478-9701 Fax

REVISIONS

NAME	DATE

LAKE COUNTY DIVISION OF TRANSPORTATION  
**CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES**  
**WASHINGTON STREET AND TESKE BOULEVARD**  
SCALE: NONE  
DATE: MAY 1, 2007  
DRAWN BY: ZCW  
DESIGNED BY: JRD  
CHECKED BY: BLS