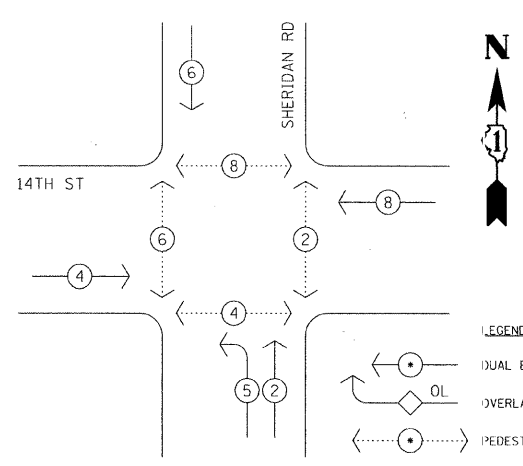
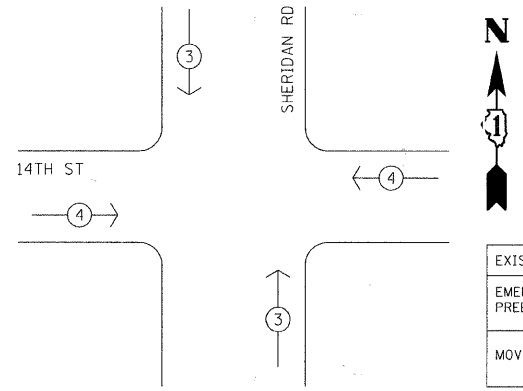


TEMPORARY CONTROLLER SEQUENCE

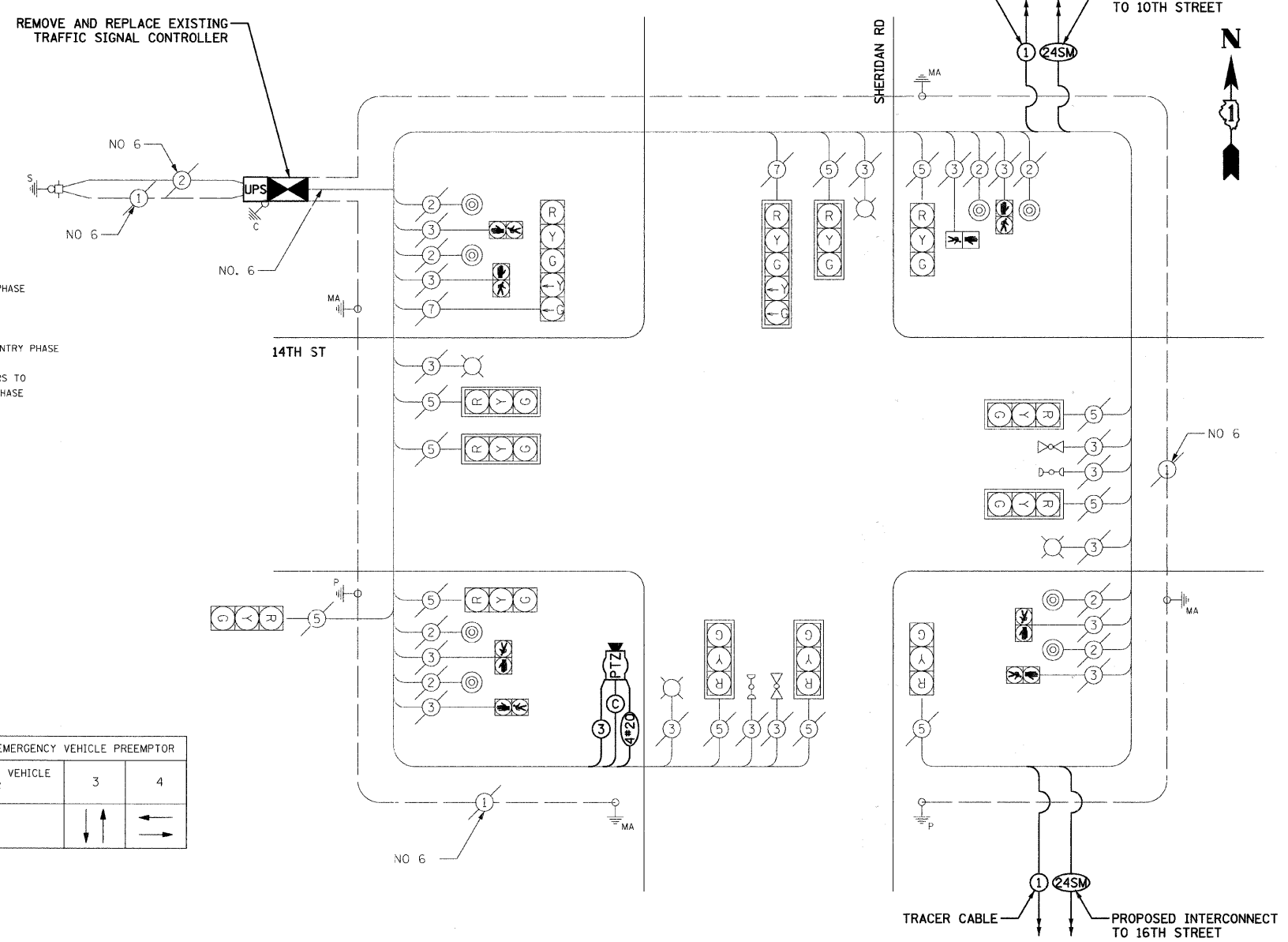


TEMPORARY PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED CABLE PLAN



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE:
EQUIPMENT GROUND CONDUCTOR (GREEN COLOR CODED) SPLICE TO FRAME AND COVER IS REQUIRED FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT CARRY SIGNAL CABLES AND SERVICE CABLES.

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED % OPERATION		
SIGNAL (RED)	13	17	0.50		110.50
(YELLOW)	13	25	0.25		81.25
(GREEN)	13	15	0.25		48.75
ARROW	4	12	0.10		4.80
PED. SIGNAL	8	25	1.00		200.00
CONTROLLER	1	100	1.00		100.00
PTZ CAMERA	1	150	1.00		150.00
TOTAL =					695.30

ENERGY COSTS TO: TOTAL = 695.30
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: CRAIG WEBER
PHONE: (630) 437-3313
COMPANY: COM. ED.

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE
E - M. ARM POLE	2 (1.0)	SIGNAL POST	2 (1.0)	20' H-2=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	6m H-0.6m=
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	BRACKET MOUNTED
		ELECTRIC SERVICE	1 (0.5)	PED. PUSHBUTTON
		GROUND CABLE	1 (0.5)	ELECTRIC SERVICE
				SERVICE TO GROUND
				POST MOUNTED

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	250
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
VIDEO ENCODER	EACH	1
COAXIAL CABLE IN CONDUIT	FOOT	250
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4C	FOOT	250

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = ntumbv
DESIGNED - RJR
DRAWN - RJR
CHECKED - JMV
DATE - 03/22/2011
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
SCHEDULE OF QUANTITIES**
SHERIDAN ROAD AT 14TH STREET
SCALE: N.T.S. SHEET NO. 14 OF 35 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2736	09-00169-00-TL	LAKE	35	14
CONTRACT NO. 63592			ILLINOIS FED. AID PROJECT	