

COMPANY NAME: HRGreen.com  
 CONTACT: HRGreen.com  
 CITY: Aurora, IL  
 DATE PLOTTED: 9/13/2011 11:50:26 AM  
 FILE NAME: 0609472-1010.dgn  
 PLOT DRIVER: PLOT-D11  
 STANDAAR: TRANS.IBL

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

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	6	17	0.50	51.0	
(YELLOW)	6	25	0.25	37.5	
(GREEN)	6	15	0.25	22.5	
ARROW		12	0.10		
PED. SIGNAL	8	25	1.00	200.0	
CONTROLLER	1	100	1.00	100.0	
UPS	1	25	1.00	25.0	
LED SIGN	2	60	0.50	60.0	
VIDEO SYSTEM	1	15	1.00	15.0	
TOTAL =					511.0

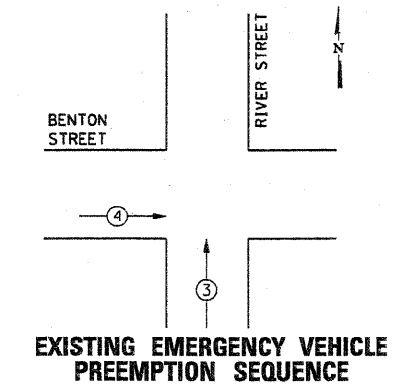
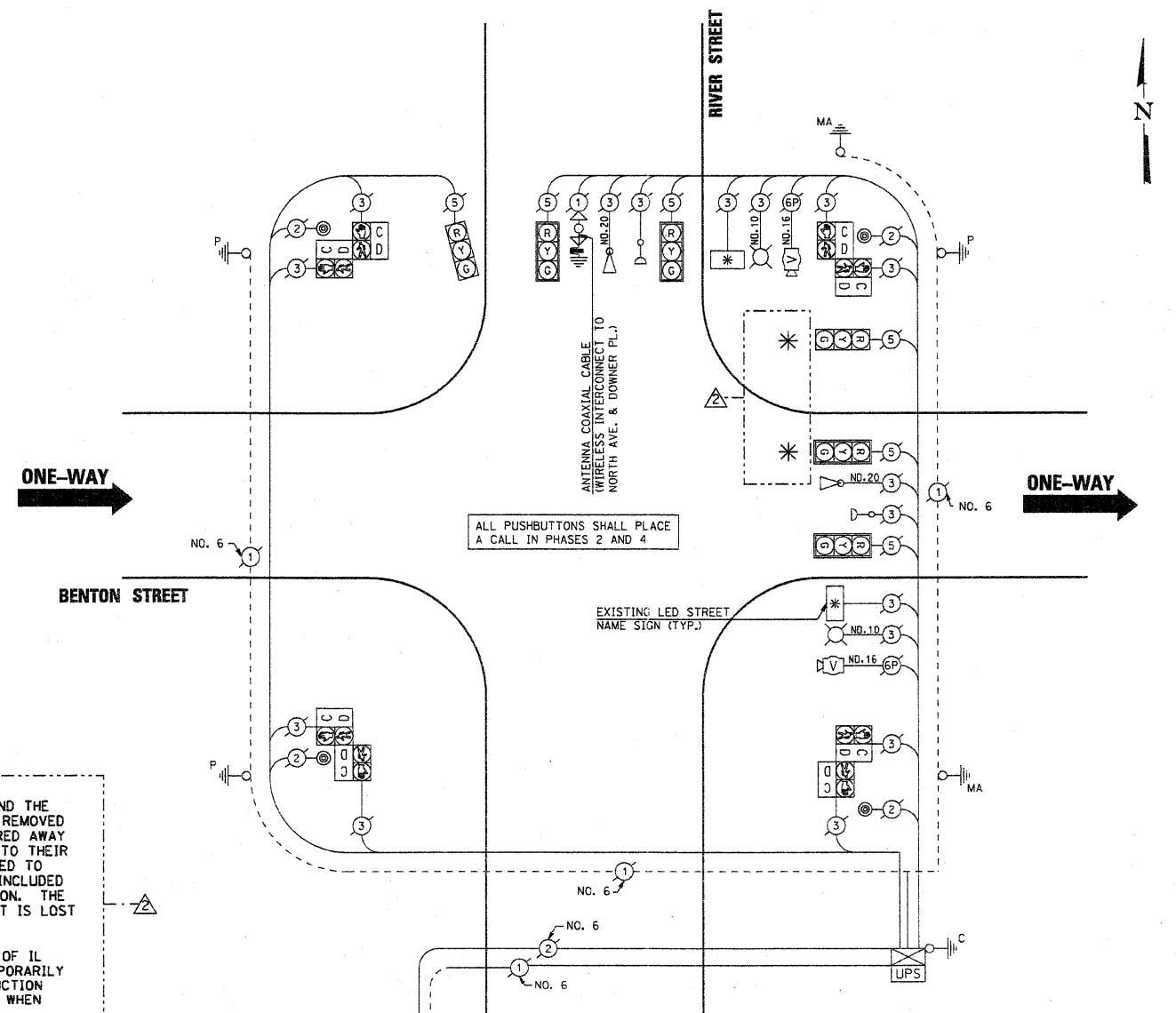
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: MARK SCHERIBEL  
 PHONE: (630) 723-2128  
 COMPANY: COMMONWEALTH EDISON

\* THE SIGNAL HEAD ON THE POST IN THE NORTHEAST CORNER AND THE OUTER SIGNAL HEAD ON THE EASTBOUND MAST ARM SHALL BE REMOVED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND STORED AWAY FROM THE SITE IN A SAFE AREA. THEY SHALL BE RETURNED TO THEIR ORIGINAL LOCATIONS WHEN THE TRAFFIC SIGNALS ARE RETURNED TO THEIR ORIGINAL STATE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EQUIPMENT THAT IS LOST OR DAMAGED DURING THIS PROCESS.

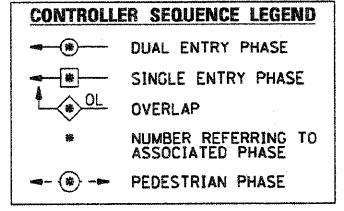
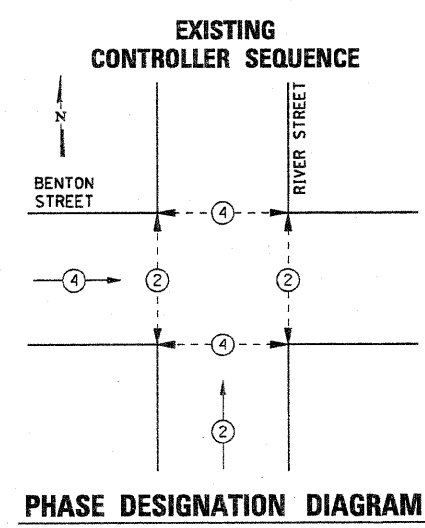
EXISTING TRAFFIC SIGNAL PHASING FOR BOTH INTERSECTIONS OF IL ROUTE 25 AND IL ROUTE 31 AT BENTON STREET WILL BE TEMPORARILY PHASED TO DETOUR TRAFFIC AWAY FROM THE BRIDGE CONSTRUCTION ON DOWNER PLACE. NORMAL TRAFFIC PATTERNS WILL RESUME WHEN THE BRIDGE CONSTRUCTION IS COMPLETE.

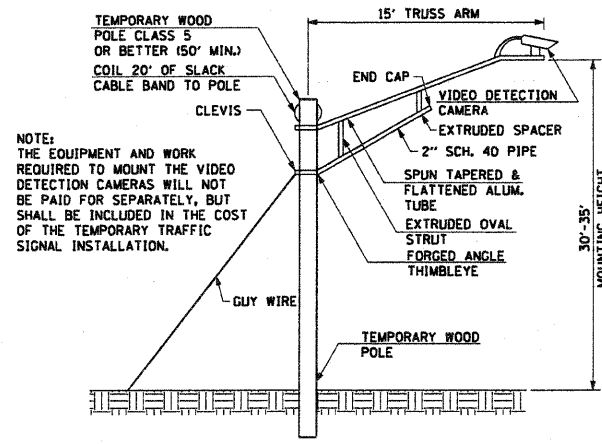
**RESTORATION OF WORK AREA:**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



EXISTING EMERGENCY VEHICLE PREEMPTORS

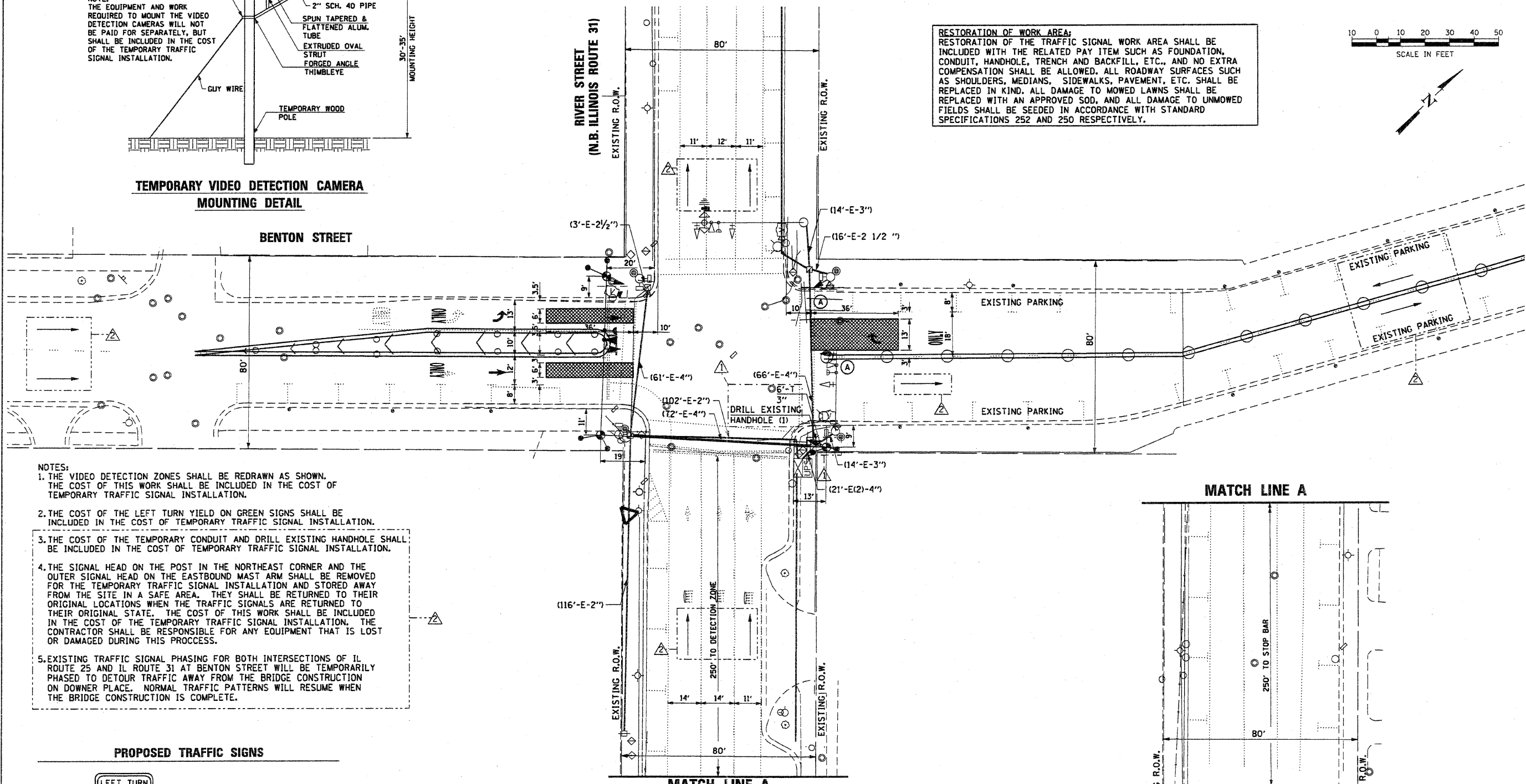
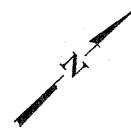
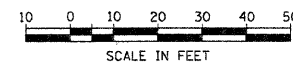
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↑	→





**TEMPORARY VIDEO DETECTION CAMERA MOUNTING DETAIL**

**RESTORATION OF WORK AREA:**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



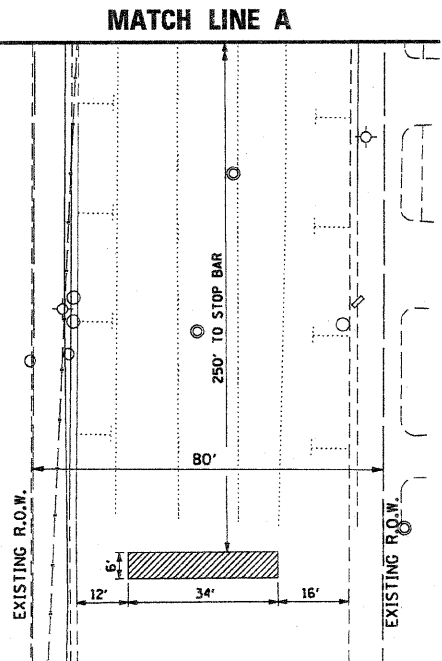
**NOTES:**

1. THE VIDEO DETECTION ZONES SHALL BE REDRAWN AS SHOWN. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
2. THE COST OF THE LEFT TURN YIELD ON GREEN SIGNS SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. THE COST OF THE TEMPORARY CONDUIT AND DRILL EXISTING HANDHOLE SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. THE SIGNAL HEAD ON THE POST IN THE NORTHEAST CORNER AND THE OUTER SIGNAL HEAD ON THE EASTBOUND MAST ARM SHALL BE REMOVED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND STORED AWAY FROM THE SITE IN A SAFE AREA. THEY SHALL BE RETURNED TO THEIR ORIGINAL LOCATIONS WHEN THE TRAFFIC SIGNALS ARE RETURNED TO THEIR ORIGINAL STATE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EQUIPMENT THAT IS LOST OR DAMAGED DURING THIS PROCESS.
5. EXISTING TRAFFIC SIGNAL PHASING FOR BOTH INTERSECTIONS OF IL ROUTE 25 AND IL ROUTE 31 AT BENTON STREET WILL BE TEMPORARILY PHASED TO DETOUR TRAFFIC AWAY FROM THE BRIDGE CONSTRUCTION ON DOWNER PLACE. NORMAL TRAFFIC PATTERNS WILL RESUME WHEN THE BRIDGE CONSTRUCTION IS COMPLETE.

**PROPOSED TRAFFIC SIGNS**



- LOCATIONS:
1. EASTBOUND MAST ARM, 3' SOUTH OF THE OUTER 5-SECTION SIGNAL HEAD.
  2. TRAFFIC SIGNAL POST IN NORTHEAST CORNER FACING WEST.



COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen  
 CLIENT: City of Aurora  
 DATE PLOTTED: 9/13/2011 12:34:47 AM  
 FILE NAME: 8609472-1-01.dgn  
 PLOT DRIVER: pdfplot  
 PLOT TABLE: STANDARD - TRANS.TB



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PLOT DATE = 9/13/2011	DATE - 9/13/11	REVISED

CITY OF AURORA

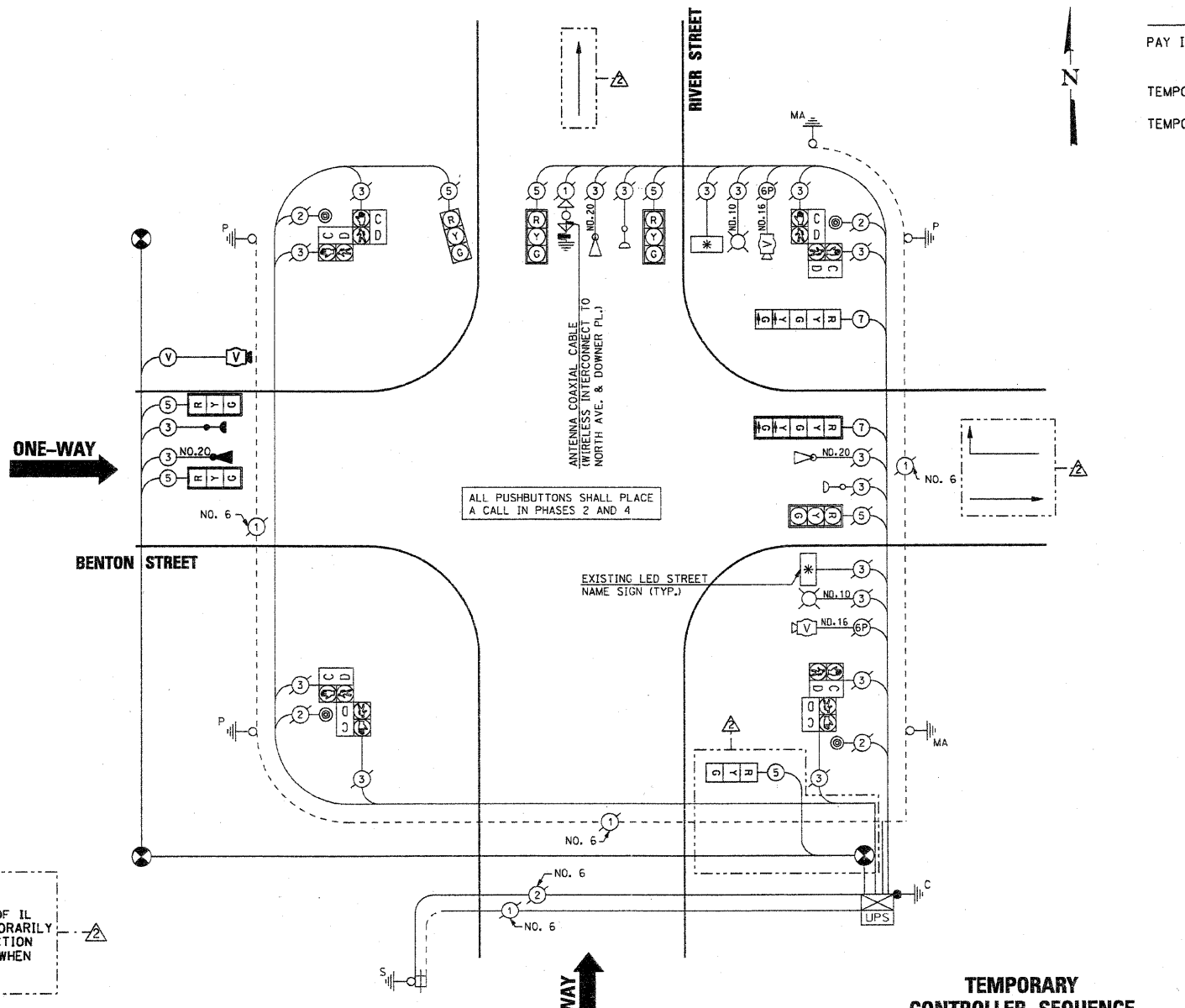
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
 BENTON ST. AND RIVER ST. (IL RT. 31)**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	28
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 63620	

**SCHEDULE OF QUANTITIES**

PAY ITEM DESCRIPTION	UNIT	RIVER STREET
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

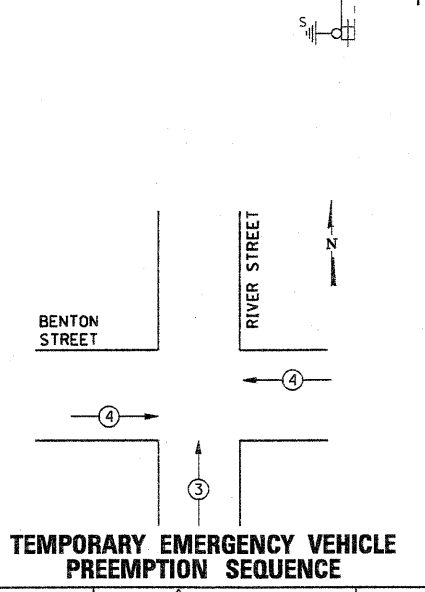


**NOTE:**  
 EXISTING TRAFFIC SIGNAL PHASING FOR BOTH INTERSECTIONS OF IL ROUTE 25 AND IL ROUTE 31 AT BENTON STREET WILL BE TEMPORARILY PHASED TO DETOUR TRAFFIC AWAY FROM THE BRIDGE CONSTRUCTION ON DOWNER PLACE. NORMAL TRAFFIC PATTERNS WILL RESUME WHEN THE BRIDGE CONSTRUCTION IS COMPLETE.

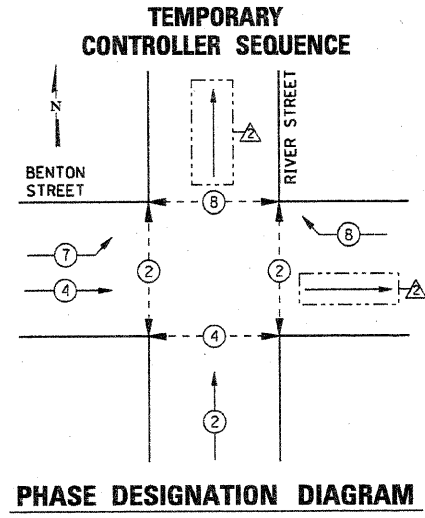
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED) (YELLOW) (GREEN)	9	17		0.50	76.5
	9		25	0.25	56.3
	9		15	0.25	33.8
ARROW	4		12	0.10	4.8
PED. SIGNAL	8		25	1.00	200.0
CONTROLLER	1		100	1.00	100.0
UPS	1		25	1.00	25.0
LED SIGN	2		60	0.50	60.0
VIDEO SYSTEM	1		15	1.00	15.0
<b>TOTAL =</b>					<b>571.4</b>

ENERGY COSTS TO: **ILLINOIS DEPARTMENT OF TRANSPORTATION**  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: **MARK SCHERIBEL**  
 (630) 723-2128  
 COMPANY: **COMMONWEALTH EDISON**

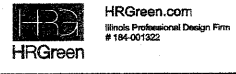


Movement	Proposed	Emergency Vehicle Preemptors
Northbound	3	4
Southbound	4	3



[Symbol]	DUAL ENTRY PHASE
[Symbol]	SINGLE ENTRY PHASE
[Symbol]	OVERLAP
[Symbol]	* NUMBER REFERRING TO ASSOCIATED PHASE
[Symbol]	PEDESTRIAN PHASE

COMPANY NAME: HARGreen.com  
 PROJECT CONTACT: MICHAEL C. HARGREAVES  
 DATE PLOTTED: 9/13/2011 13:52:08 AM  
 FILE NAME: 86090472-1460102.dgn  
 PLOT DRIVER: pdfcut  
 PLOT TABLE: STANDARD-TABLE



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 PLOT DATE = 9/13/2011

DESIGNED - MJF  
 DRAWN - JMR  
 CHECKED - APS  
 DATE - 9/13/11

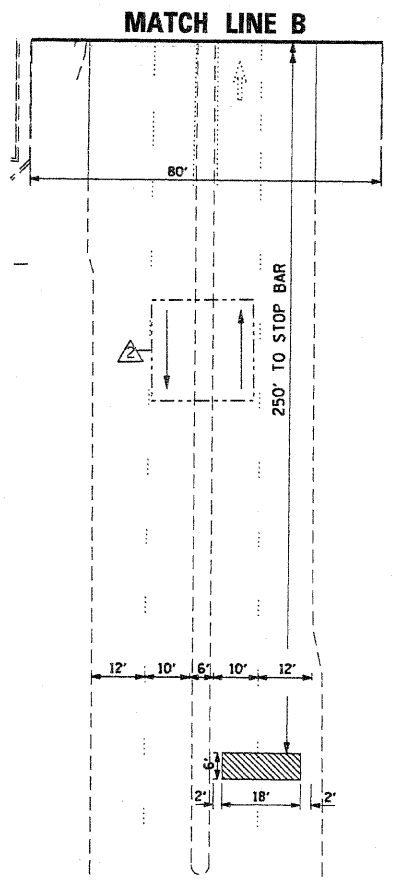
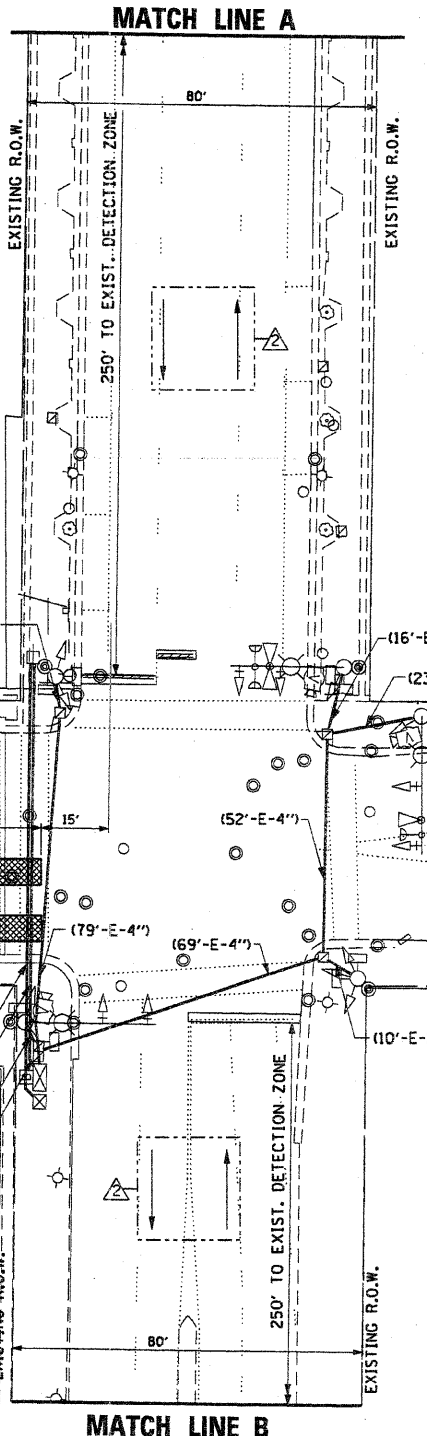
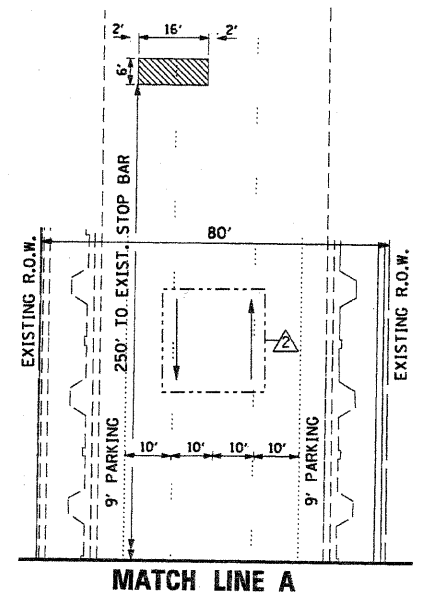
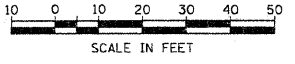
REVISED - 09/12/11 M.J.F.  
 REVISED  
 REVISED

CITY OF AURORA

**TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM**  
 BENTON ST. AND RIVER ST. (IL RT. 31)

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	29
CONTRACT NO. 63620				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTES:  
 1. THE VIDEO DETECTION ZONES SHALL BE REDRAWN AS SHOWN. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.

2. EXISTING TRAFFIC SIGNAL PHASING FOR BOTH INTERSECTIONS OF IL ROUTE 25 AND IL ROUTE 31 AT BENTON STREET WILL BE TEMPORARILY PHASED TO DETOUR TRAFFIC AWAY FROM THE BRIDGE CONSTRUCTION ON DOWNER PLACE. NORMAL TRAFFIC PATTERNS WILL RESUME WHEN THE BRIDGE CONSTRUCTION IS COMPLETE.

**RESTORATION OF WORK AREA:**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: Michael C. Harding  
 CLIENT: City of Aurora  
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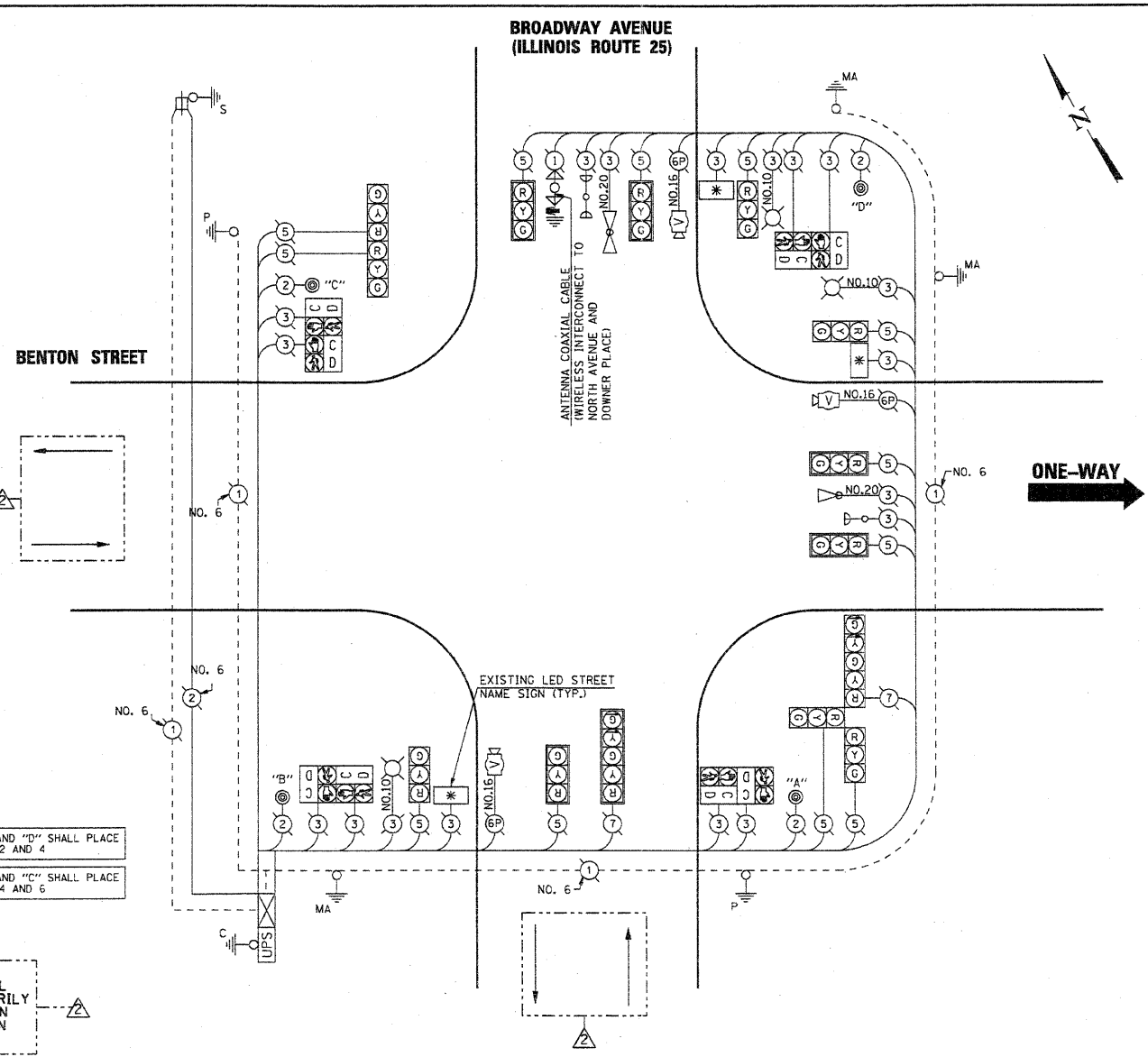
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PLOT DATE = 9/13/2011	DATE - 9/13/11	REVISED

CITY OF AURORA

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
 BENTON ST. AND BROADWAY AVE. (IL RT. 25)**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	30
CONTRACT NO. 63620				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PUSHBUTTONS "A" AND "D" SHALL PLACE A CALL IN PHASES 2 AND 4  
 PUSHBUTTONS "B" AND "C" SHALL PLACE A CALL IN PHASES 4 AND 6

EXISTING TRAFFIC SIGNAL PHASING FOR BOTH INTERSECTIONS OF IL ROUTE 25 AND IL ROUTE 31 AT BENTON STREET WILL BE TEMPORARILY PHASED TO DETOUR TRAFFIC AWAY FROM THE BRIDGE CONSTRUCTION ON DOWNER PLACE. NORMAL TRAFFIC PATTERNS WILL RESUME WHEN THE BRIDGE CONSTRUCTION IS COMPLETE.

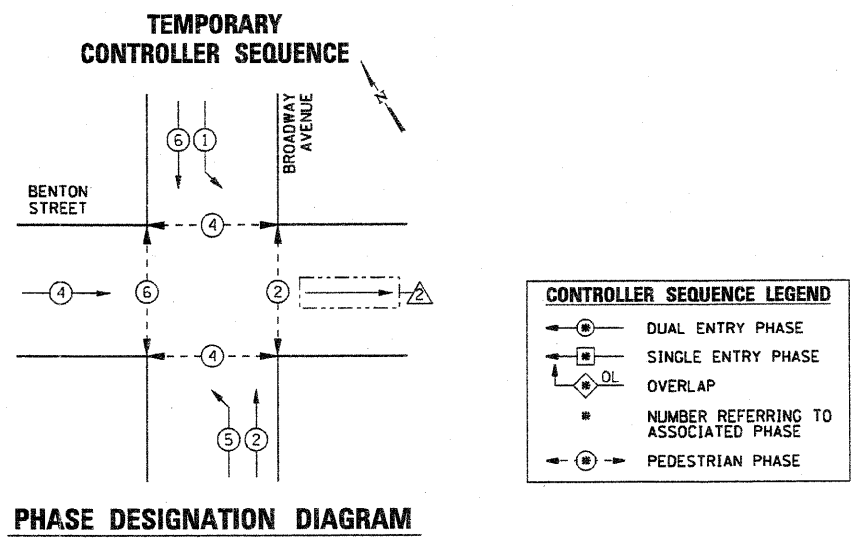
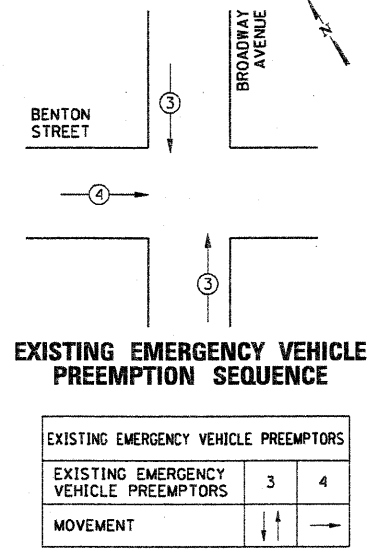
### SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	BROADWAY AVENUE
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	14	17		0.50	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	4		12	0.10	4.8
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
UPS	1		25	1.00	25
LED SIGN	3		60	0.50	90
LUMINAIRE	3		250	0.50	375
VIDEO SYSTEM	1		15	1.00	15
				TOTAL =	1068.8

ENERGY COSTS TO: CITY OF AURORA  
 44 E. DOWNER PLACE  
 AURORA, ILLINOIS 60507-2067

ENERGY SUPPLY CONTACT: MARK SCHERIBEL  
 PHONE: (630) 723-2128  
 COMPANY: COMMONWEALTH EDISON



COMPANY NAME: HRGreen, Inc.  
 PROJECT CONTACT: ...  
 CLIENT: ...  
 DATE PLOTTED: 9/13/2011 11:31:43 AM  
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HRGreen.com  
 Illinois Professional Design Firm  
 # 194-001322

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 PLOT DATE = 9/13/2011

DESIGNED - MJF  
 DRAWN - JMR  
 CHECKED - APS  
 DATE - 9/13/11

REVISED - 09/12/11 M.J.F.  
 REVISED  
 REVISED

CITY OF AURORA

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**BENTON ST. AND BROADWAY AVE. (IL RT. 25)**

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63620	