

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM DESCRIPTION	UNT	TOTAL QUANTITY	PRAIRIE STREET		NORTH AVENUE		BENTON STREET		DOWNER PLACE		GALENA BOULEVARD		NEW YORK STREET		INTERCONNECT Y031-F
				Y031-F	NON-PART	Y031-F	NON-PART	Y031-F	NON-PART	Y031-F	NON-PART	Y031-F	NON-PART	Y031-F	NON-PART	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3													
67100100	MOBILIZATION	L SUM	1													
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1													
72000100	SIGN PANEL - TYPE 1	SQ FT	104					20		20		27			37	
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	116							25		60			31	
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	95					18		27		19			31	
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	112					30		24		32			26	
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	74					22		32		10			10	
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	214					71		72		46			25	
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	871					211		206		223			231	
81400100	HANDHOLE	EACH	3					1		1		1				
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	397					70		108		121			98	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6	1		1		1		1		1			1	
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	4					1		1		1			1	
85700505	FULL-ACTUATED CONTROLLER IN EXISTING CABINET, SPECIAL	EACH	2	1		1										
85900100	TRANSCEIVER	EACH	6													6
86000100	MASTER CONTROLLER	EACH	1													1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1993					486		511		478			518	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	7916					1303	252	1514	412	1786	492		1766	391
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5101					857		1209		1828			1207	
87301615	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 16 6 PAIR	FOOT	1663					242		398		547			476	
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	654					197		284		111			62	
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4					1		1		1			1	
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	9					2		2		2			3	
87704070	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT. (SPECIAL)	EACH	1												1	
87704080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT. (SPECIAL)	EACH	1												1	
87704100	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1					1								
87704130	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1							1						
87704140	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT. (SPECIAL)	EACH	2									2				
87704150	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	1							1						
87704160	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1					1								
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	68					16		16		16			20	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	16					4		4		4			4	
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	45					15							30	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	75					15		30		30				
87900200	DRILL EXISTING HANDHOLE	EACH	55					13		16		10			16	
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	17					4		4		5			4	
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8					2		2		2			2	
88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2									1			1	
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16					4		4		4			4	
88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	17					4		4		5			4	
88700200	LIGHT DETECTOR	EACH	10					2		2		3			3	
88700300	LIGHT DETECTOR AMPLIFIER	EACH	4					1		1		1			1	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	16					4		4		4			4	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10026					1641		2221		3424			2540	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4					1		1		1			1	
89502380	REMOVE EXISTING HANDHOLE	EACH	1									1				

Revised 7-17-08

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USER NAME = #USER#
 PLOT SCALE = #SCALE#
 PLOT DATE = 7/15/2008

DESIGNED -
 DRAWN BAH
 CHECKED APS
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REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 (SHEET 1 OF 2)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00273-00-TL	KANE	30	2
CONTRACT NO. 63053				
ILLINOIS FED. AID PROJECT				

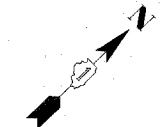
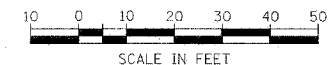
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SUMMARY OF QUANTITIES

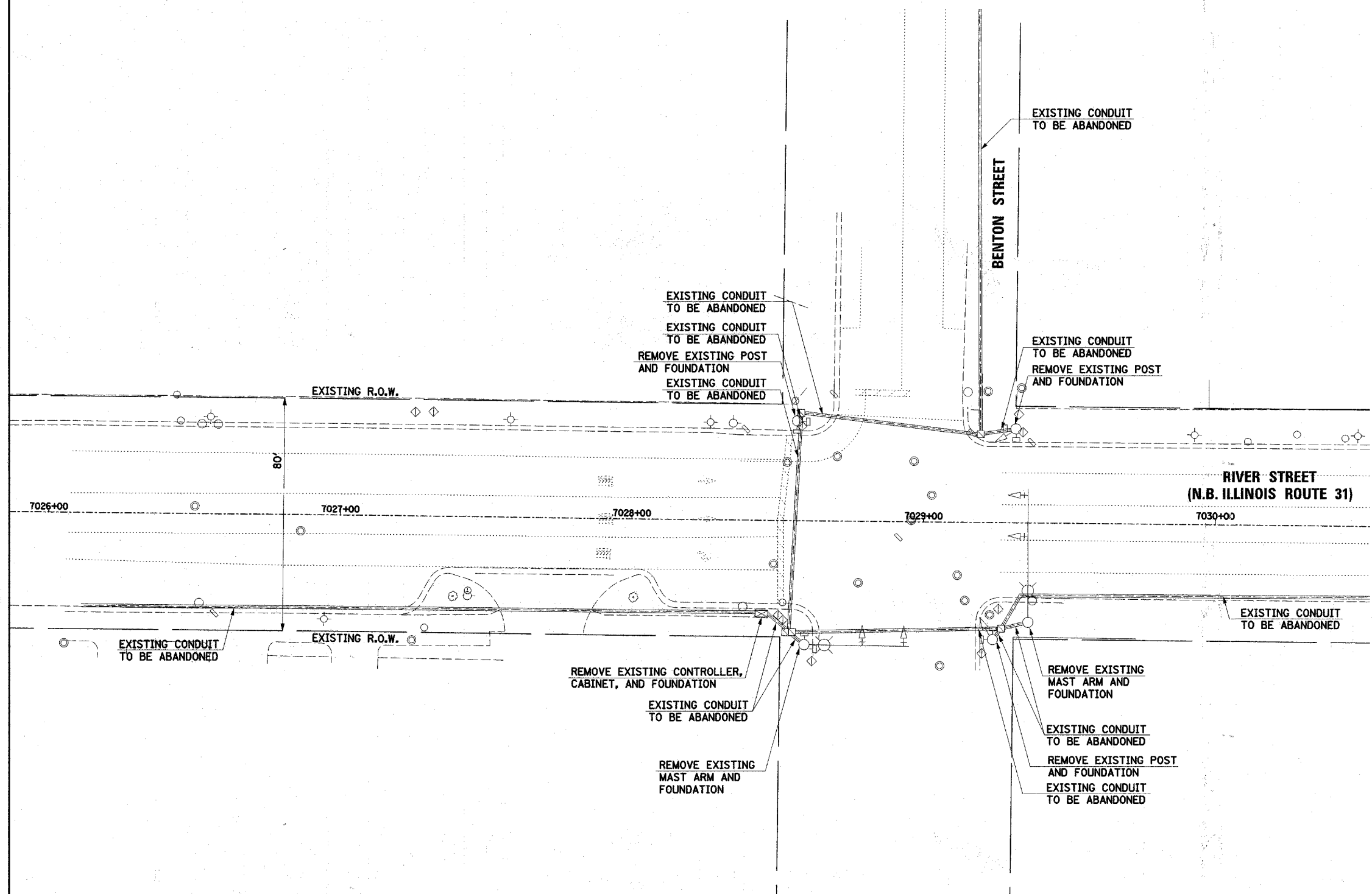
CODE NUMBER	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	PRAIRIE STREET		NORTH AVENUE		BENTON STREET		DOWNER PLACE		GALENA BOULEVARD		NEW YORK STREET		INTERCONNECT
				Y031-F	NON-PART.	Y031-F	NON-PART.	Y031-F	NON-PART.	Y031-F	NON-PART.	Y031-F	NON-PART.	Y031-F	NON-PART.	Y031-F
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	26					6		7		5		8		
X0324007	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1													1
X0325134	WIRELESS INTERCONNECT (COMPLETE)	EACH	1													1
X8050010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	4					1		1		1		1		
X8510200	PAINT TRAFFIC SIGNAL EQUIPMENT	EACH	4						1		1		1		1	
X8510300	PAINT TRAFFIC SIGNAL POST	EACH	13						3		3		3		4	
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2034					521		637		449		427		
XX003552	VIDEO DETECTION SYSTEM	EACH	4					1		1		1		1		
XX003954	REMOVE EXISTING LIGHT POLE AND FOUNDATION	EACH	1												1	
XX005660	ELECTRIC CABLE IN CONDUIT, NO. 20 3C TWISTED SHIELDED	FOOT	2161					276		433		774		675		
XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	8						2		2		2		2	
XX006661	UNINTERRUPTABLE POWER SUPPLY	EACH	4					1		1		1		1		
XX006923	GROUND EXISTING HANDHOLE FRAME AND COVER	EACH	17					4		5		3		5		

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NOTES:
 1. ALL EXISTING TRAFFIC SIGNALS, ELECTRIC CABLE, AND RACEWAYS SHALL REMAIN IN PLACE UNTIL ALL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED. PRIOR TO DISCONNECTION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT, THE DISTRICT 1 AREA TRAFFIC SIGNAL ENGINEER SHALL BE NOTIFIED AT (847) 705-4424 A MINIMUM OF 72 HOURS IN ADVANCE OF THE TRAFFIC SIGNAL INSPECTION AND ACTIVATION.

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF AURORA AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE MAINTENANCE FACILITY DESIGNATED BY THE CITY.

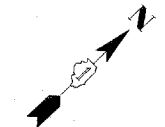
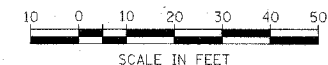
- 2 EACH LUMINAIRE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM OUTSIDE THE RIGHT-OF-WAY AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CONTROLLER AND CABINET (COMPLETE)
- 2 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 6 EACH TRAFFIC SIGNAL HEADS
- 4 EACH TRAFFIC SIGNAL BACKPLATES
- 8 EACH PEDESTRIAN SIGNAL HEADS

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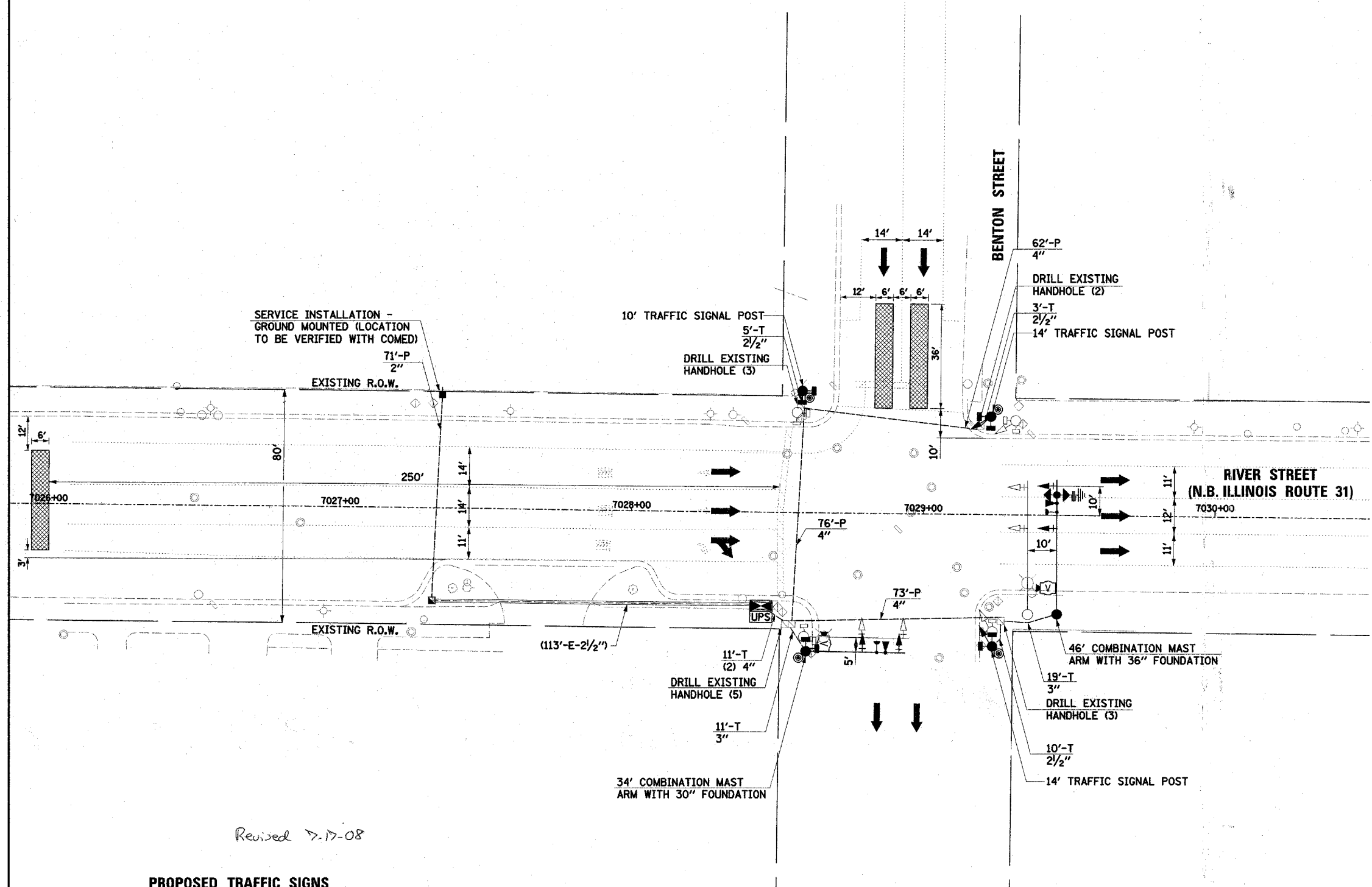
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PLOT SCALE = #SCALE#	CHECKED <i>APS</i>	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 63053	
PLOT DATE = 7/15/2008	DATE -	REVISED -									



- NOTES:**
1. THE VIDEO DETECTION CAMERAS SHALL BE MOUNTED AT THE END OF AND ON TOP OF THE 8' ARM FOR THE COMBINATION MAST ASSEMBLIES UNLESS OTHERWISE NOTED.
 2. THE WIRELESS ANTENNA SHALL BE MOUNTED ON THE NORTHBOUND MAST ARM, 3' EAST OF THE OUTER 3-SECTION SIGNAL HEAD OR AS DIRECTED BY THE ENGINEER (SEE MOUNTING DETAIL).
 3. THE FINAL PAVEMENT MARKING WILL BE INSTALLED AS PART OF A SEPARATE CONTRACT.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
UNIT DUCT	UD	
COMMON TRENCH	CT	
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		
TELEPHONE CONNECTION		
ILLUMINATED SIGN "NO LEFT TURN"		
ILLUMINATED SIGN "NO RIGHT TURN"		
UNINTERRUPTIBLE POWER SUPPLY	UPS	
WIRELESS ANTENNA		
VIDEO DETECTION CAMERA		
VIDEO DETECTION AREA		



PROPOSED TRAFFIC SIGNS

- R6-2-2430 (2 EACH)**
- ONE WAY**
- LOCATIONS:**
1. TRAFFIC SIGNAL POST IN NORTHWEST CORNER FACING SOUTH.
 2. NORTHBOUND MAST ARM 3' EAST OF THE OUTER 3-SECTION SIGNAL HEAD.
- R6-2-2430 (2 EACH)**
- ONE WAY**
- LOCATIONS:**
1. TRAFFIC SIGNAL POST IN NORTHEAST CORNER FACING WEST.
 2. EASTBOUND MAST ARM 3' SOUTH OF THE OUTER 3-SECTION SIGNAL HEAD.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICOM AS REQUIRED BY THE CITY OF AURORA.

RESTORATION OF WORK AREA:
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO 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.

Revised 7-17-08

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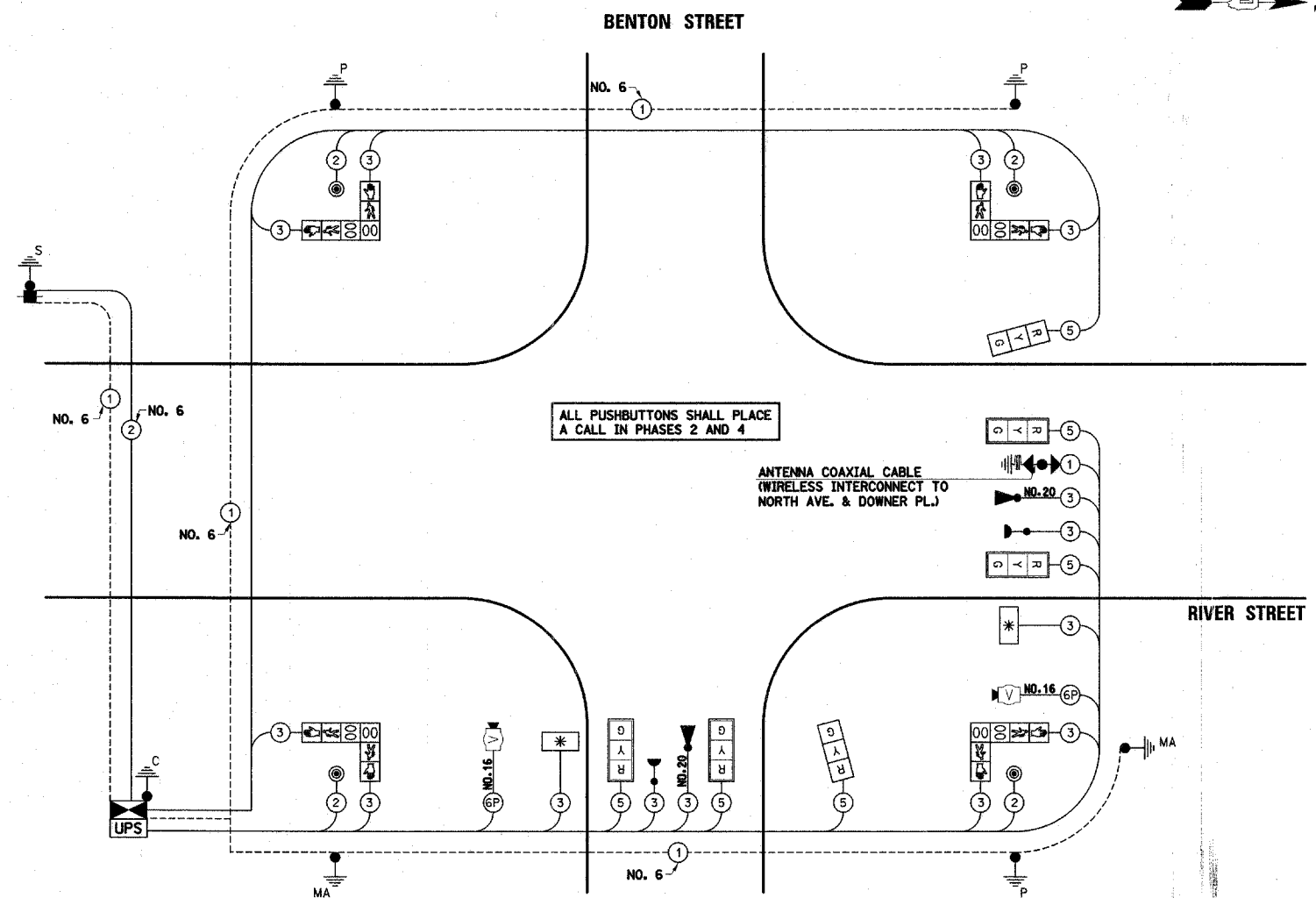
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CABLE PLAN LEGEND

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|-----------------|-----------------|---|
| EXISTING | PROPOSED | |
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE INSTALLATION |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | MAGNETIC DETECTOR |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSHBUTTON DETECTOR |
| | | LUMINAIRE |
| | | DENOTES NUMBER OF CONDUCTORS.
ALL CABLE NO. 14 EXCEPT AS INDICATED.
ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | GROUND CABLE IN CONDUIT
NO. 6 SOLID COPPER (GREEN) |
| | | FIBER OPTIC CABLE IN CONDUIT
NO. 62.5/125 2-MM12F SMI2F |
| | | SIGNAL FACE WITH BACKPLATE.
"P" INDICATES PROGRAMMED HEAD. |
| | | RAILROAD CONTROL CABINET |
| | | ILLUMINATED SIGN
"NO LEFT TURN" |
| | | ILLUMINATED SIGN
"NO RIGHT TURN" |
| | | WIRELESS ANTENNA |
| | | GROUND ROD AT HANDHOLE (H),
DOUBLE HANDHOLE (H), OR CONTROLLER (C) |
| | | GROUND ROD AT POST (P)
OR MAST ARM POLE (MA) |
| | | GROUND ROD AT ELECTRIC
SERVICE INSTALLATION |
| | | UNINTERRUPTIBLE POWER SUPPLY |
| | | LED STREET NAME SIGN |
| | | VIDEO DETECTION CAMERA |

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SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	BENTON STREET
SIGN PANEL - TYPE 1	SQ FT	20
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	18
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	30
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	22
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	71
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	211
HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	70
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	486
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1555
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	857
ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 16 6 PAIR	FOOT	242
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	197
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
DRILL EXISTING HANDHOLE	EACH	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	4
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1841
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
PAINT TRAFFIC SIGNAL EQUIPMENT	EACH	1
PAINT TRAFFIC SIGNAL POST	EACH	3
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	521
VIDEO DETECTION SYSTEM	EACH	1
ELECTRIC CABLE IN CONDUIT, NO. 20 3C TWISTED SHIELDED	FOOT	276
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	2
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
GROUND EXISTING HANDHOLE FRAME AND COVER	EACH	4

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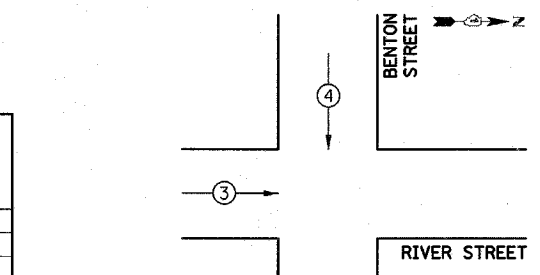
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICOM AS REQUIRED BY THE CITY OF AURORA.

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	6	INCAND.	17	0.50	51.0
		LED	25	0.25	
			15	0.25	
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

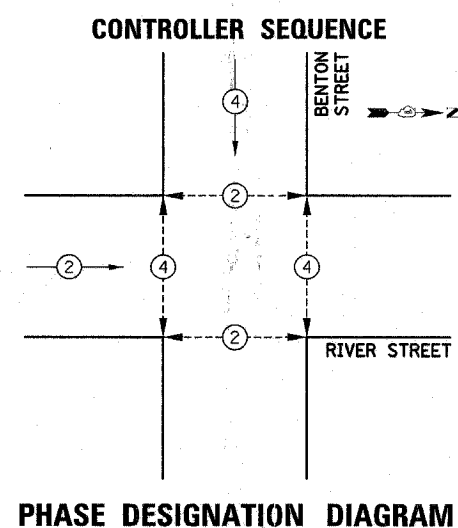
ENERGY SUPPLY CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON



EMERGENCY VEHICLE PREEMPTION SEQUENCE

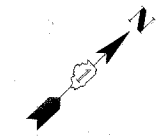
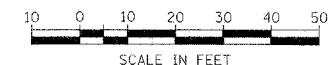
FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
C - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-H-2=
D - CONTROLLER	4 (1.2)	SIGNAL POST	2 (1.0)		(6m+H-0.6m)
E - M.A. LENGTH		CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
<30'	30" (900mm)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
<40'	30" (750mm)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
<40'	36" (900mm)	GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
<50'	36" (900mm)			POST MOUNTED	6 (1.8)
>50'	36" (900mm)				

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	→	↓



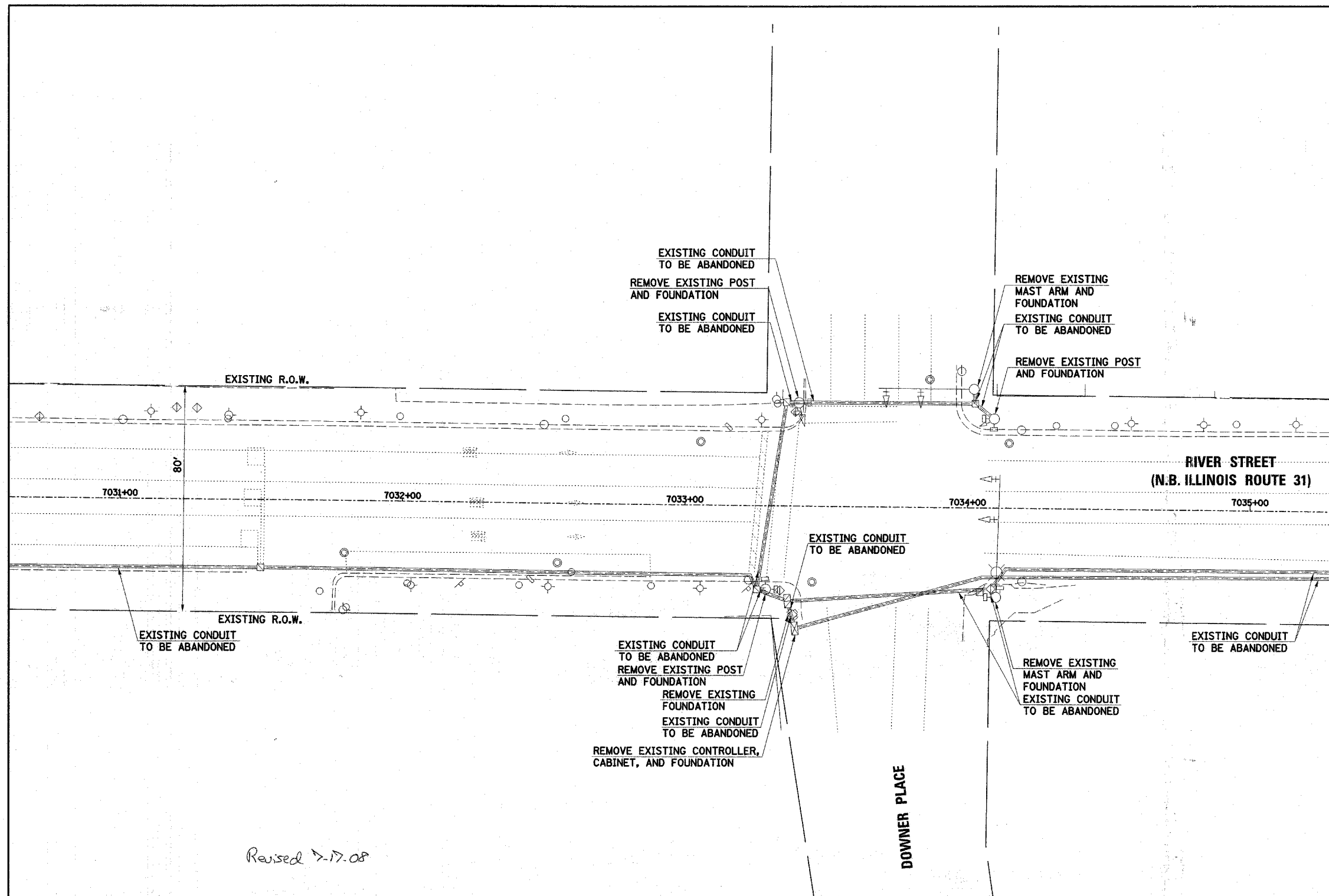
CONTROLLER SEQUENCE LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- * NUMBER REFERRING TO ASSOCIATED PHASE
- PEDESTRIAN PHASE



PLAN	SURVEYED	BY	DATE
	NOTED		
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Revised 7-17-08

NOTES:
 1. ALL EXISTING TRAFFIC SIGNALS, ELECTRIC CABLE, AND RACEWAYS SHALL REMAIN IN PLACE UNTIL ALL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED. PRIOR TO DISCONNECTION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT, THE DISTRICT 1 AREA TRAFFIC SIGNAL ENGINEER SHALL BE NOTIFIED AT (847) 705-4424 A MINIMUM OF 72 HOURS IN ADVANCE OF THE TRAFFIC SIGNAL INSPECTION AND ACTIVATION.

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

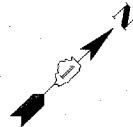
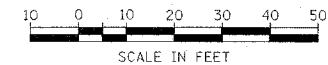
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF AURORA AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE MAINTENANCE FACILITY DESIGNATED BY THE CITY.

- 1 EACH LUMINAIRE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM OUTSIDE THE RIGHT-OF-WAY AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CONTROLLER AND CABINET (COMPLETE)
- 1 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 1 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 6 EACH TRAFFIC SIGNAL HEADS
- 4 EACH TRAFFIC SIGNAL BACKPLATES
- 8 EACH PEDESTRIAN SIGNAL HEADS

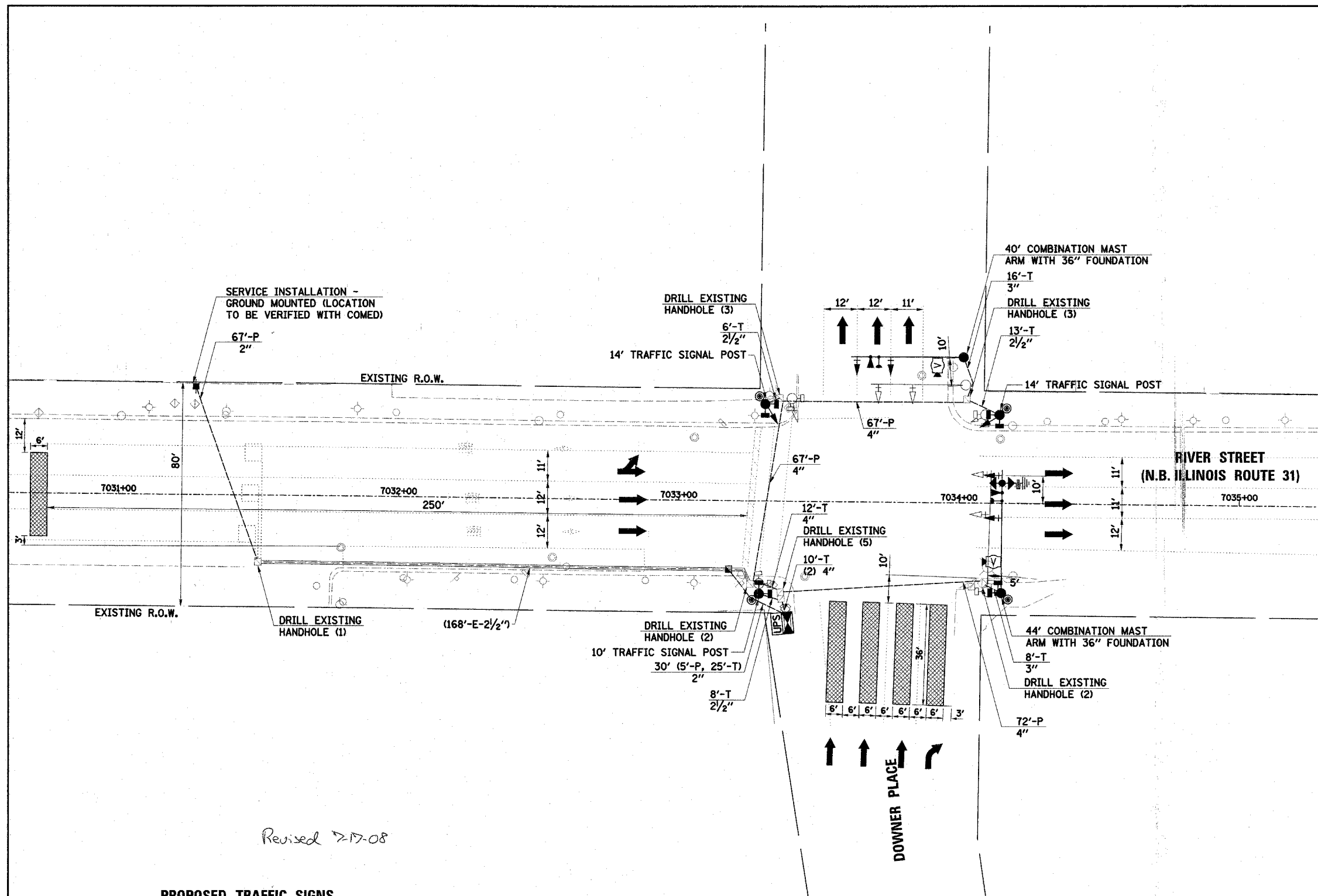
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PLOT SCALE = #SCALE#	CHECKED APS	REVISED -	08-00273-00-TL			KANE	30	15		
PLOT DATE = 7/15/2008	DATE -	REVISED -	CONTRACT NO. 63053							
			SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



- NOTES:**
1. THE VIDEO DETECTION CAMERAS SHALL BE MOUNTED AT THE END OF AND ON TOP OF THE 8' ARM FOR THE COMBINATION MAST ARM ASSEMBLIES UNLESS OTHERWISE NOTED.
 2. THE WIRELESS ANTENNA SHALL BE MOUNTED ON THE NORTHBOUND MAST ARM, 3' EAST OF THE OUTER 3-SECTION SIGNAL HEAD OR AS DIRECTED BY THE ENGINEER (SEE MOUNTING DETAIL).
 3. THE FINAL PAVEMENT MARKING WILL BE INSTALLED AS PART OF A SEPARATE CONTRACT.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
UNIT DUCT	UD	
COMMON TRENCH	CT	
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		
TELEPHONE CONNECTION		
ILLUMINATED SIGN "NO LEFT TURN"		
ILLUMINATED SIGN "NO RIGHT TURN"		
UNINTERRUPTABLE POWER SUPPLY	UPS	
WIRELESS ANTENNA		
VIDEO DETECTION CAMERA		
VIDEO DETECTION AREA		



Revised 7-17-08

PROPOSED TRAFFIC SIGNS

- R6-2-2430 (2 EACH)**
- ONE WAY** →
- LOCATIONS:**
1. TRAFFIC SIGNAL POST IN SOUTHWEST CORNER FACING EAST.
 2. WESTBOUND MAST ARM 3' NORTH OF THE OUTER 3-SECTION SIGNAL HEAD.
- R6-2-2430 (2 EACH)**
- ONE WAY** ←
- LOCATIONS:**
1. TRAFFIC SIGNAL POST IN NORTHWEST CORNER FACING SOUTH.
 2. NORTHBOUND MAST ARM 3' EAST OF THE OUTER 3-SECTION SIGNAL HEAD.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICOM AS REQUIRED BY THE CITY OF AURORA.

RESTORATION OF WORK AREA:
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO 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.

