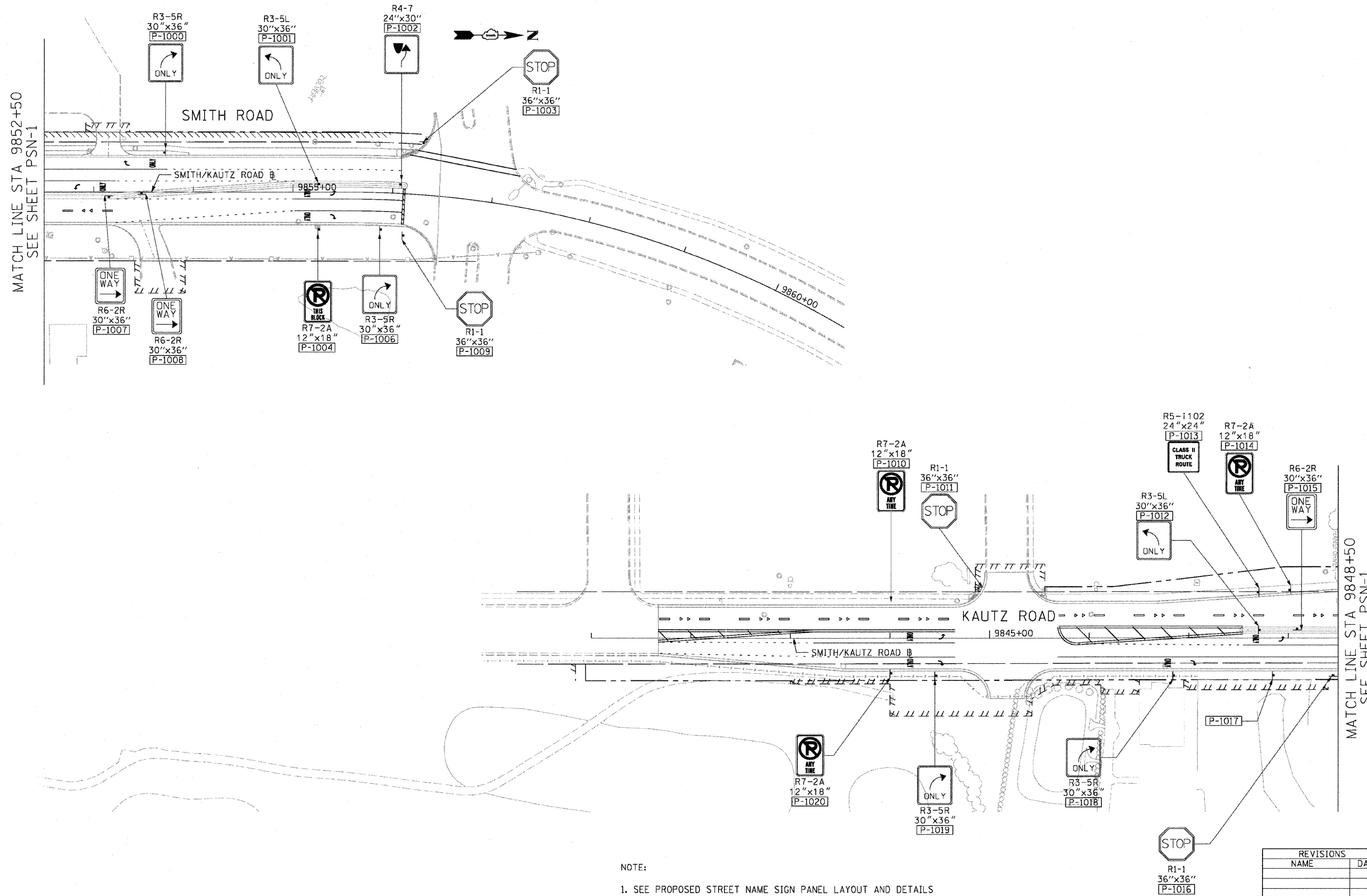


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	301
STA. 9842+50		TO STA. 9856+14		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

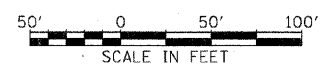
62410



MATCH LINE STA 9852+50
SEE SHEET PSN-1

MATCH LINE STA 9848+50
SEE SHEET PSN-1

NOTE:
 1. SEE PROPOSED STREET NAME SIGN PANEL LAYOUT AND DETAILS SHEETS FOR NON-STANDARD SIGN DETAILS - PSN-11 THRU PSN-19



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
PROPOSED SIGNING
 SMITH / KAUTZ ROAD
 STA. 9840+94 TO STA. 9856+83

SCALE: VERT: NONE
 HORIZ: 1"=50'
 DATE: MAY 13, 2011

DRAWN BY: JWM
 CHECKED BY: RMC



PSN-10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	306
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410

SIGN DETAIL
1:50

SIGN NUMBER	MARKETING DR
WIDTH x HGHT.	4'-0" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Post
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street Name.ssi
 Dimensions are in inches,tenths
 Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE	
M	a	r	k	e	t	i	n	g				C 2000
7	11.4	14.4	16.3	19.1	21.6	23.7	25.1	28			23.4	6,4.5/3.3
D	r											C 2000
35.6	39.5										5.4	6,4.5/3.3

SIGN DETAIL
1:50

SIGN NUMBER	REQUE RD
WIDTH x HGHT.	3'-6" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Post
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street Name.ssi
 Dimensions are in inches,tenths
 Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE	
R	e	q	u	e								C 2000
8	11.9	14.8	17.7	20.6							14.9	6,4.5/3.3
R	d											C 2000
27.8	31.7										6.2	6,4.5/3.3

SIGN DETAIL
1:50

SIGN NUMBER	OAK RD
WIDTH x HGHT.	2'-0" x 0'-8"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Post
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street Name 4-3in.ssi
 Dimensions are in inches,tenths
 Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE	
O	a	k										C 2000
5	7.9	9.8									6.4	4,3/2.2
R	d											C 2000
14.7	17.5										4.3	4,3/2.2

SIGN DETAIL
1:50

SIGN NUMBER	KEIL RD
WIDTH x HGHT.	2'-0" x 0'-8"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Post
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street Name 4-3in.ssi
 Dimensions are in inches,tenths
 Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE	
K	e	l	l									C 2000
5	7.7	9.7	10.6								6	4,3/2.2
R	d											C 2000
14.7	17.5										4.3	4,3/2.2

PSN-15



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

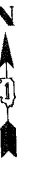
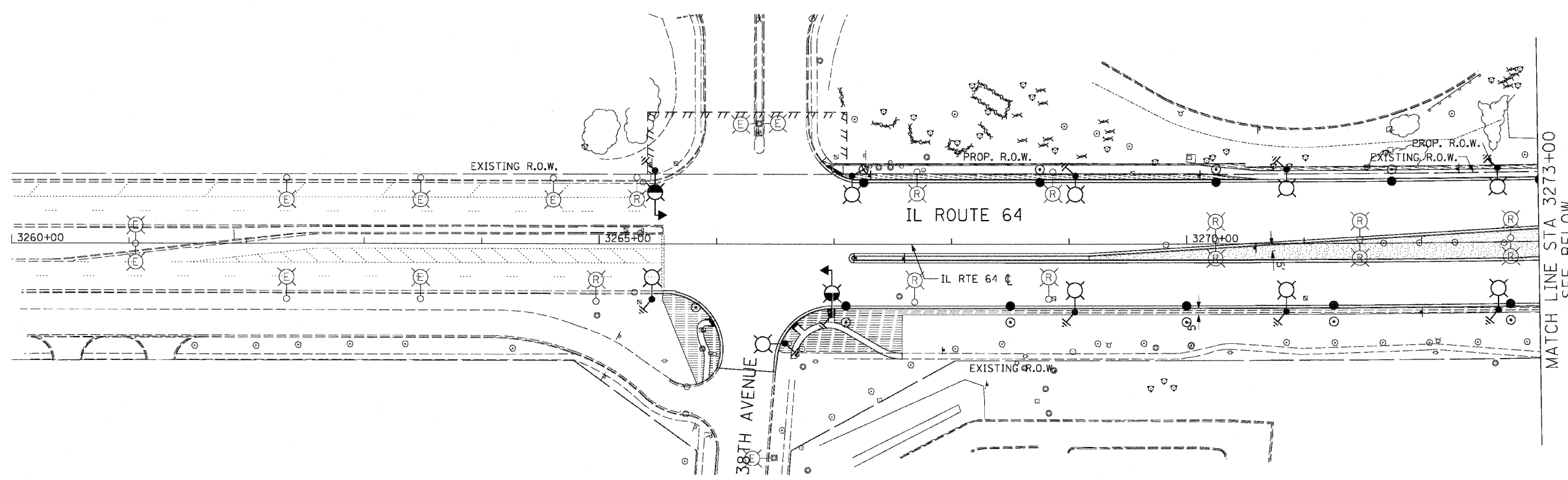
PROPOSED STREET NAME SIGN PANEL
 LAYOUT AND DETAILS

SCALE: VERT: NONE
 HORIZ: NONE
 DATE: MAY 13, 2011

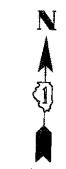
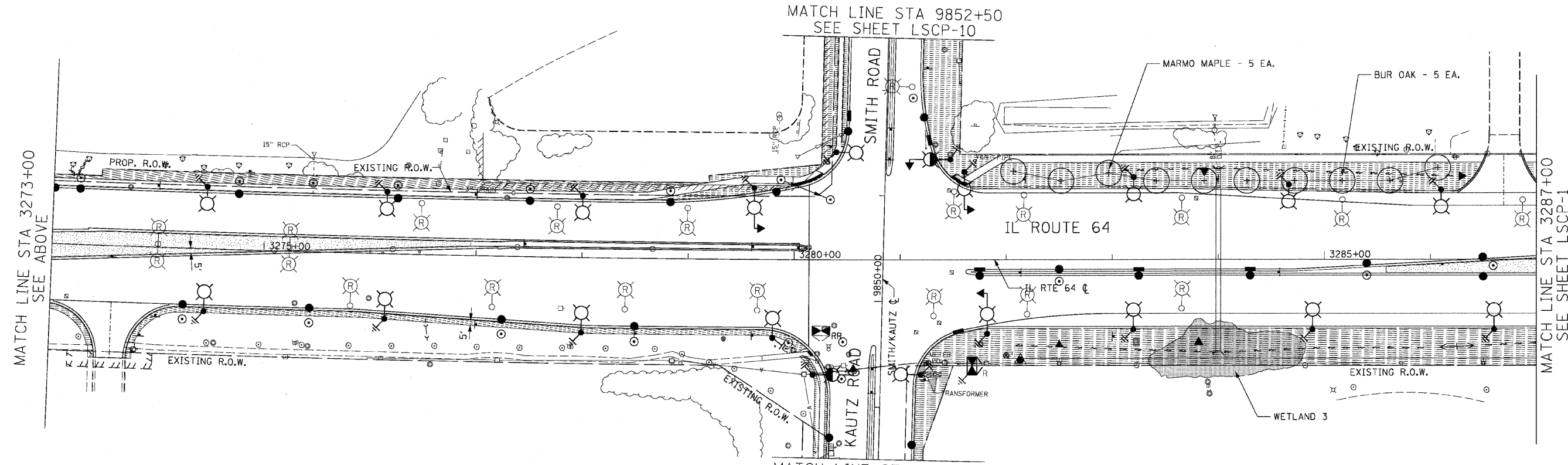
DRAWN BY: JWM
 CHECKED BY: RMG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	310
STA. 3260+00		TO STA. 3287+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



- LEGEND:**
- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
 - FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
 - FURNISHING AND PLACING TOPSOIL, 24" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
 - COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
 - COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
 - SELECTIVE MOWING STAKE WITH SIGN



REVISIONS	
NAME	DATE
S. LIPKIE	06/11

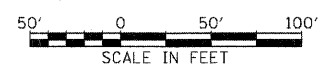
LSCP-1

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

LANDSCAPING PLAN
 IL ROUTE 64
 STA. 3260+00 TO STA. 3287+00

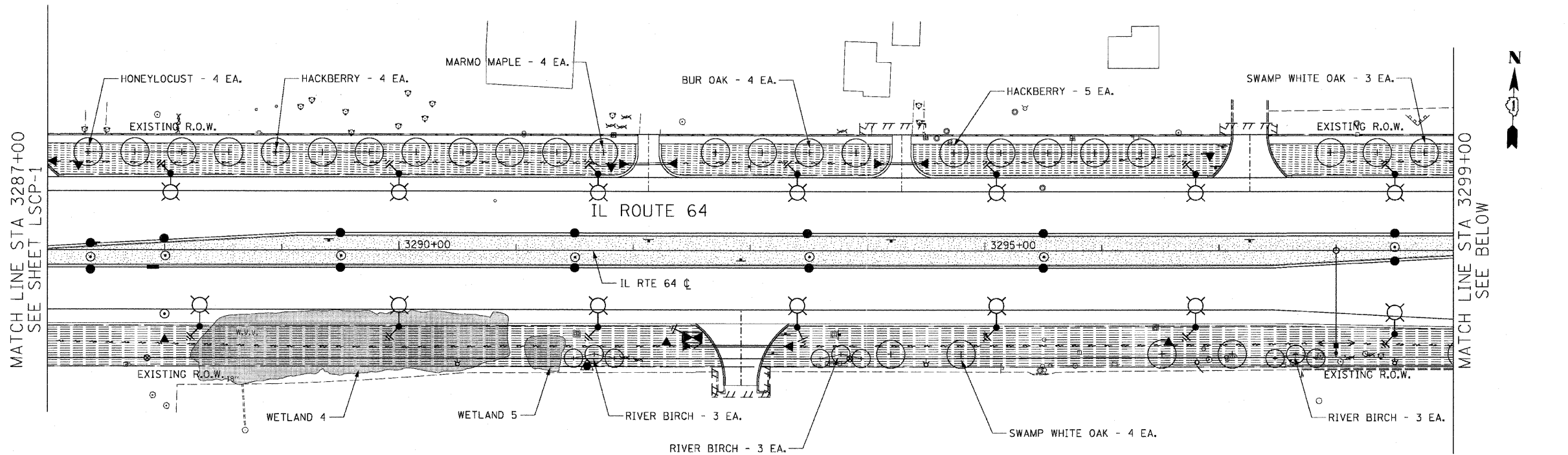
SCALE: VERT: NONE
 HORIZ: 1"=50'
 DATE: MAY 13, 2011

DRAWN BY: RMG
 CHECKED BY: JWM



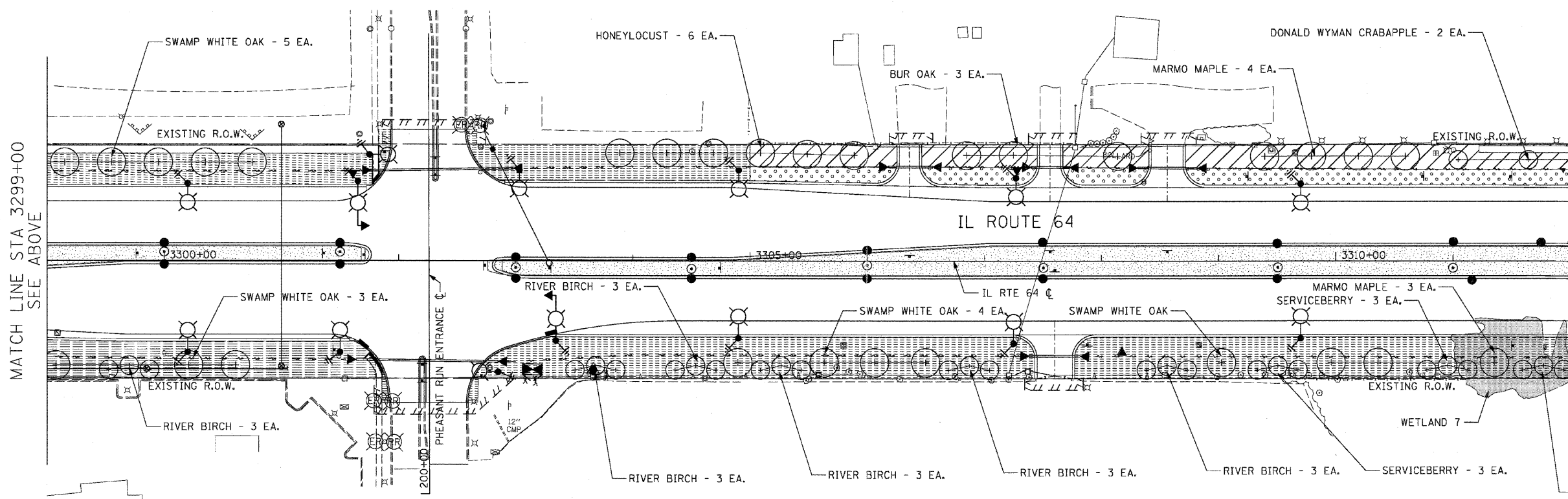
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	311
STA. 3287+00		TO STA. 3312+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



LEGEND:

	FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
	FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
	FURNISHING AND PLACING TOPSOIL, 24" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
	COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
	COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
	SELECTIVE MOWING STAKE WITH SIGN



MATCH LINE STA 3299+00 SEE ABOVE

MATCH LINE STA 3312+00 SEE SHEET LSCP-3

PHEASANT RUN ENTRANCE

LSCP-2



REVISIONS	
NAME	DATE
S. LIPKIE	06/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

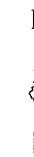
LANDSCAPING PLAN
 IL ROUTE 64
 STA. 3287+00 TO STA. 3312+00

SCALE: VERT: NONE
 HORIZ: 1"=50'
 DATE: MAY 13, 2011

DRAWN BY: RMG
 CHECKED BY: JWM

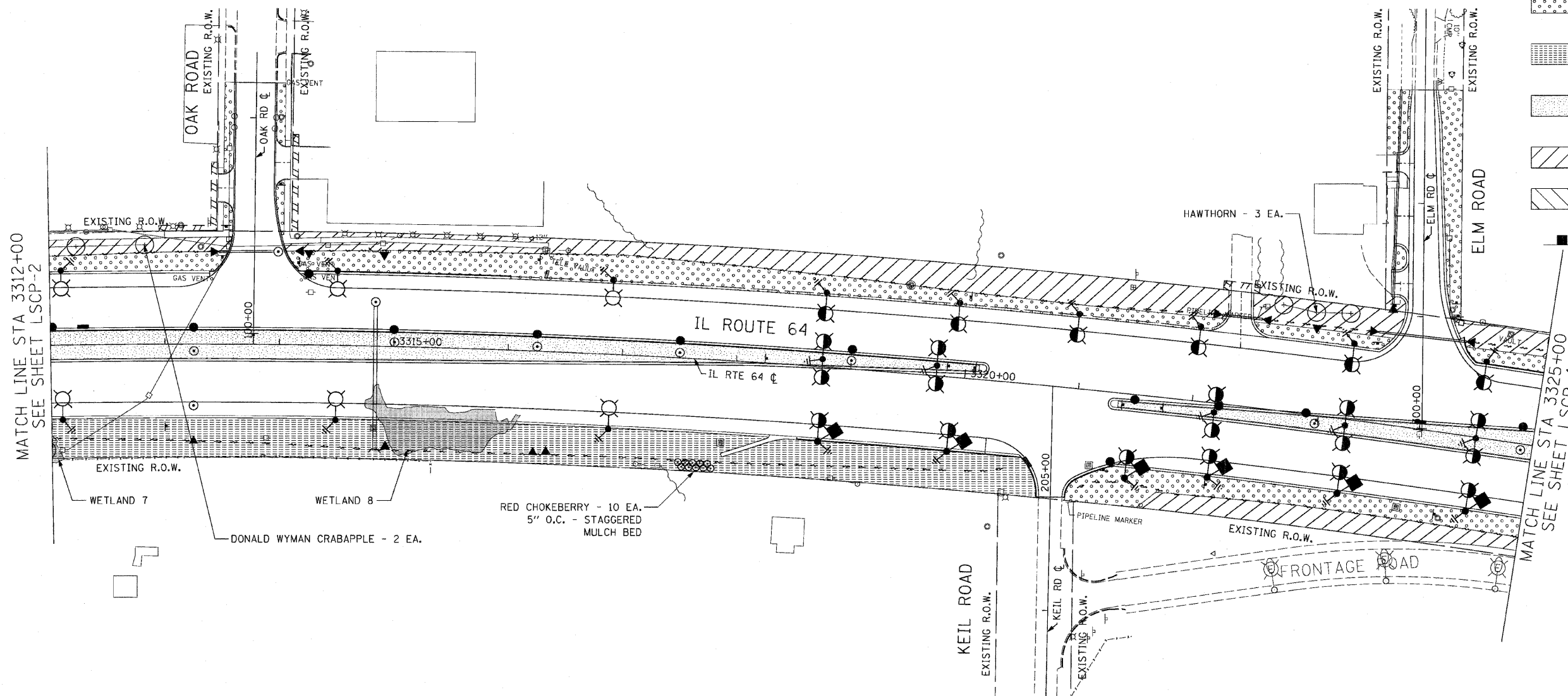
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	312
STA. 3312+00		TO STA. 3325+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



LEGEND:

- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 24" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
- COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
- COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKE WITH SIGN



MATCH LINE STA 3312+00
SEE SHEET LSCP-2

MATCH LINE STA 3325+00
SEE SHEET LSCP-4

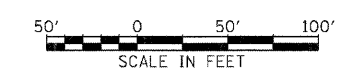
LSCP-3

REVISIONS	
NAME	DATE
S. LIPKIE	06/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

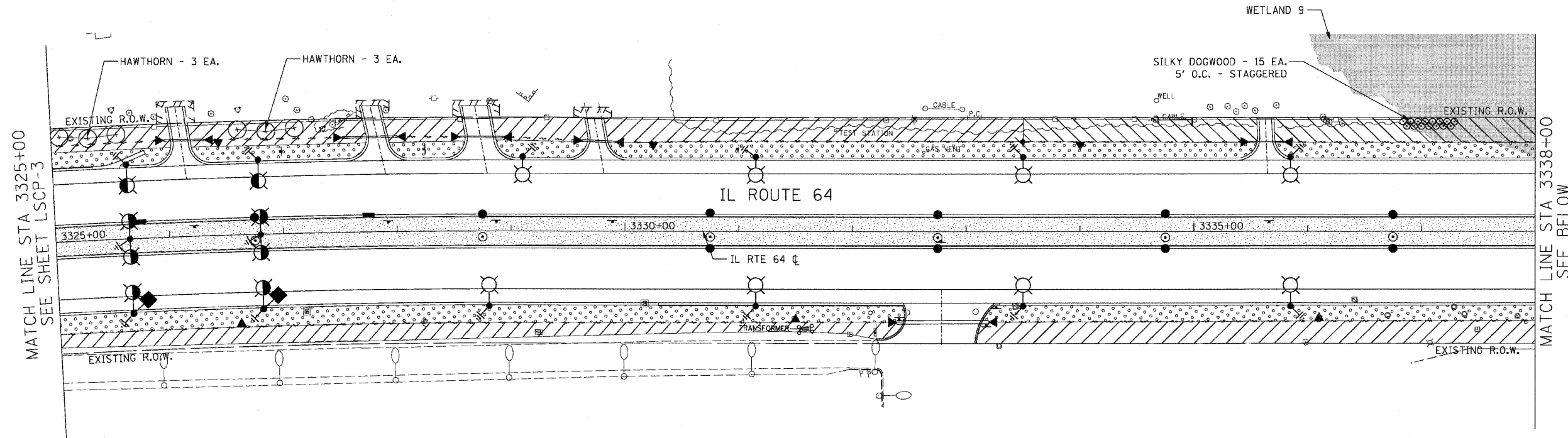
LANDSCAPING PLAN
 IL ROUTE 64
 STA. 3312+00 TO STA. 3325+00

SCALE: VERT: NONE
 HORIZ: 1"=50'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: AFC
 CHECKED BY: NJH



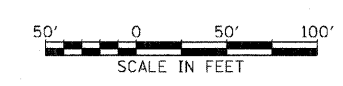
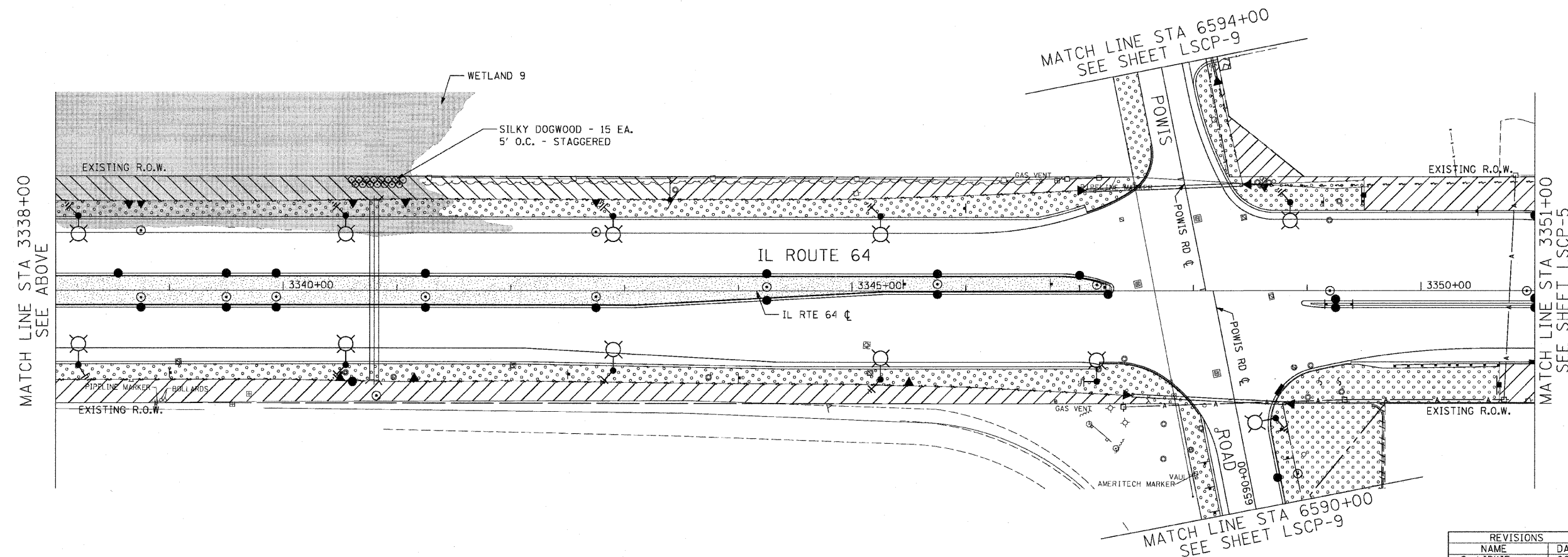
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	313
STA. 3325+00		TO STA. 3351+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



LEGEND:

- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 24" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
- COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
- COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKE WITH SIGN



REVISIONS	
NAME	DATE
S. LIPKIE	06/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

LANDSCAPING PLAN
 IL ROUTE 64
 STA. 3325+00 TO STA. 3351+00

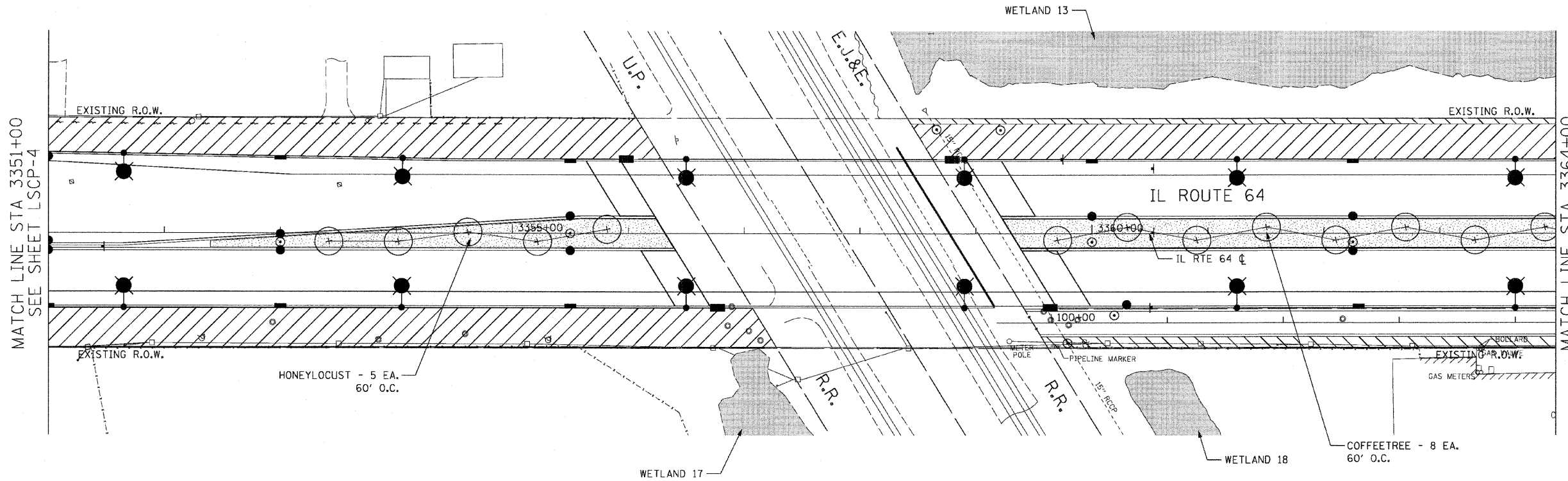
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 SCALE: HORIZONTAL=50'
 DATE: NOVEMBER 1, 2011

DRAWN BY: AFC
 CHECKED BY: NJH

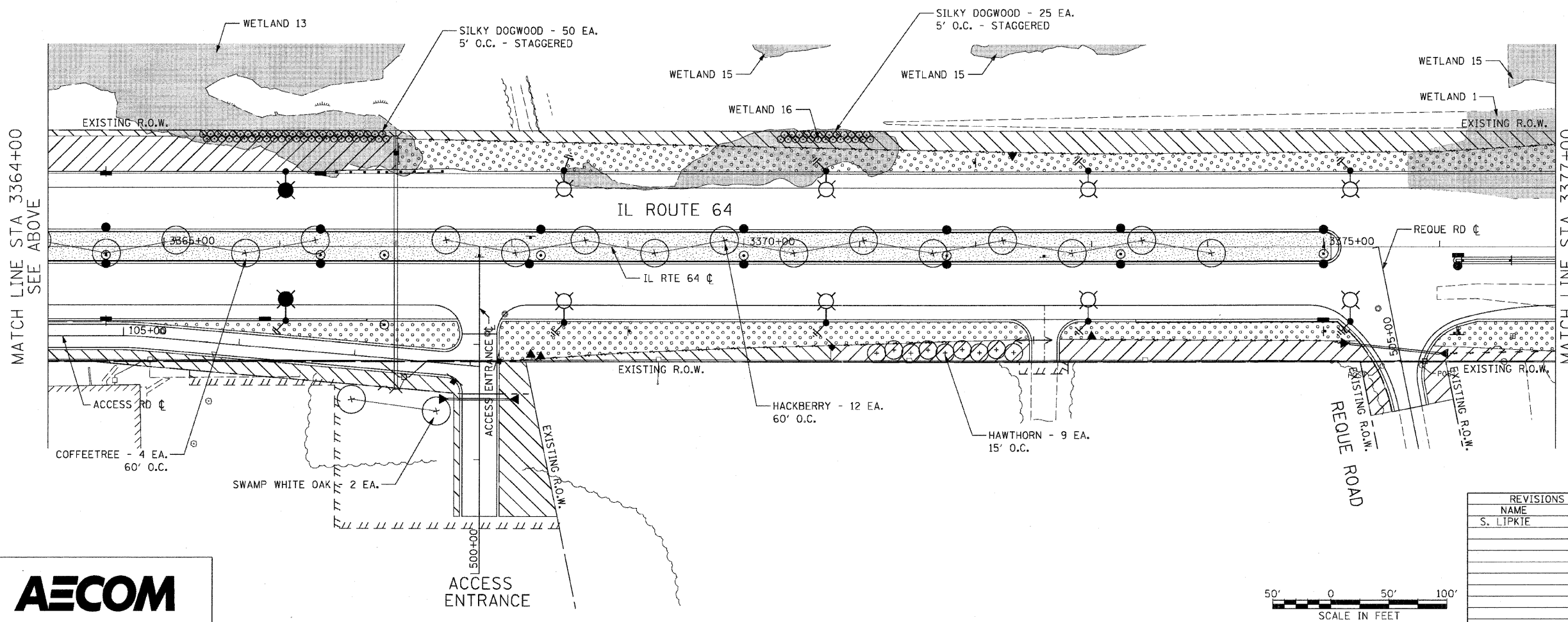
LSCP-4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	314
STA. 3351+00		TO STA. 3377+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



- LEGEND:**
- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
 - FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
 - FURNISHING AND PLACING TOPSOIL, 24" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
 - COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
 - COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
 - SELECTIVE MOWING STAKE WITH SIGN



MATCH LINE STA 3364+00
SEE ABOVE

MATCH LINE STA 3377+00
SEE SHEET LSCP-6



REVISIONS	
NAME	DATE
S. LIPKIE	06/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

LANDSCAPING PLAN
 IL ROUTE 64
 STA. 3351+00 TO STA. 3377+00

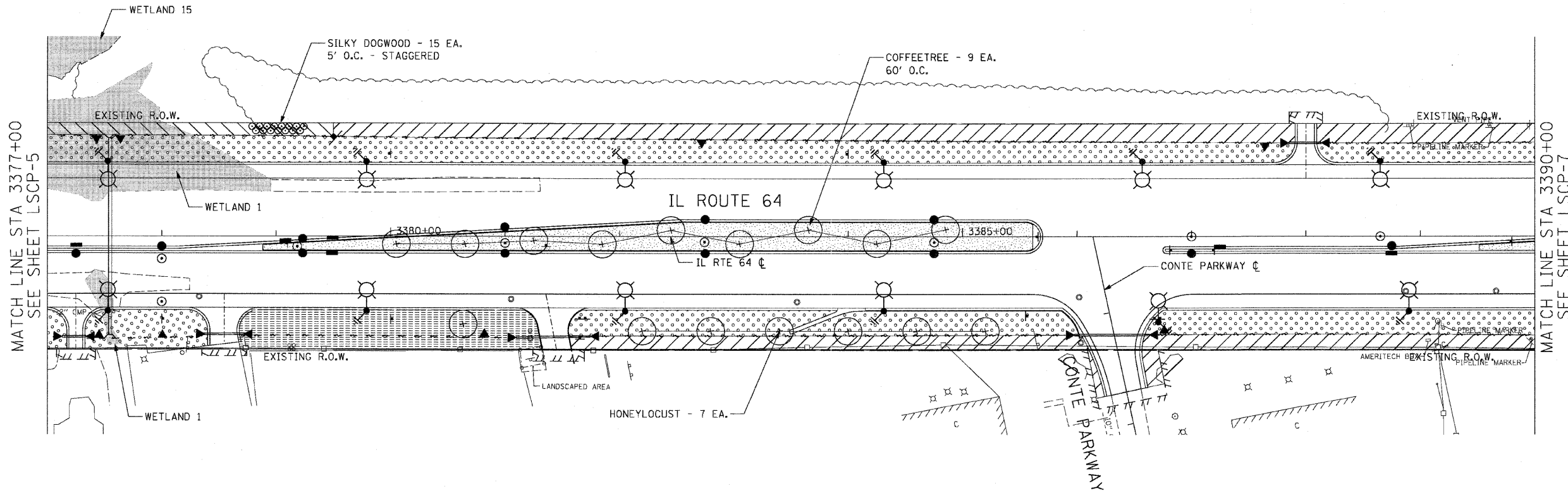
VERT: NONE
 SCALE: HORIZ: 1"=50'
 DATE: MAY 13, 2011

DRAWN BY: RMG
 CHECKED BY: JWM

LSCP-5

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	315
STA. 3377+00		TO STA. 3390+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



LEGEND:

- FURNISHING AND PLACING TOPSOIL, 4"
AND SEEDING CLASS 2A
EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 4"
AND SODDING, SALT TOLERANT
EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 24"
AND SEEDING CLASS 2A
EROSION CONTROL BLANKET
- COMPOST, 2"
SEEDING CLASS 4 (PRAIRIE GRASS)
EROSION CONTROL BLANKET
- COMPOST, 2"
SEEDING CLASS 4B (MODIFIED) WETLAND MIX
EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKE
WITH SIGN

LSCP-6

REVISIONS	
NAME	DATE
S. LIPKIE	06/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

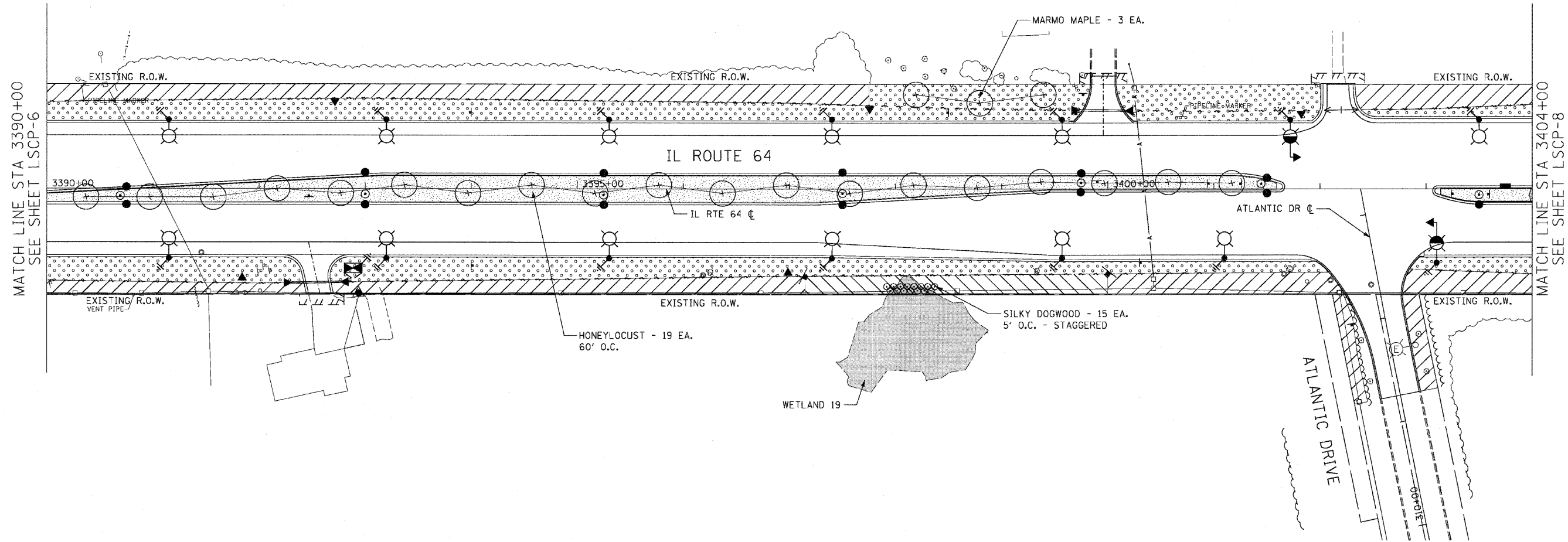
LANDSCAPING PLAN
IL ROUTE 64
STA. 3377+00 TO STA. 3390+00

SCALE: VERT: NONE
 HORIZ: 1"=50'
 DATE: MAY 13, 2011
 DRAWN BY: RMG
 CHECKED BY: JWM



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	316
STA. 3390+00		TO STA. 3404+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



LEGEND:

- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
- COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
- COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKE WITH SIGN

LSCP-7

REVISIONS	
NAME	DATE
S. LIPKIE	06/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

LANDSCAPING PLAN
 IL ROUTE 64
 STA. 3390+00 TO STA. 3404+00

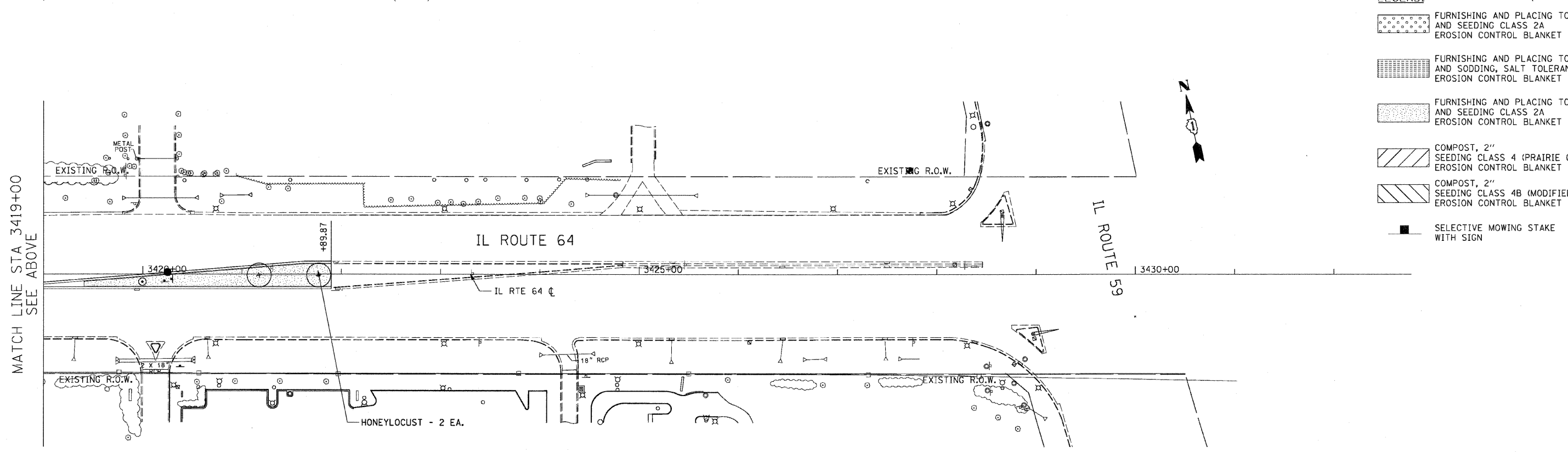
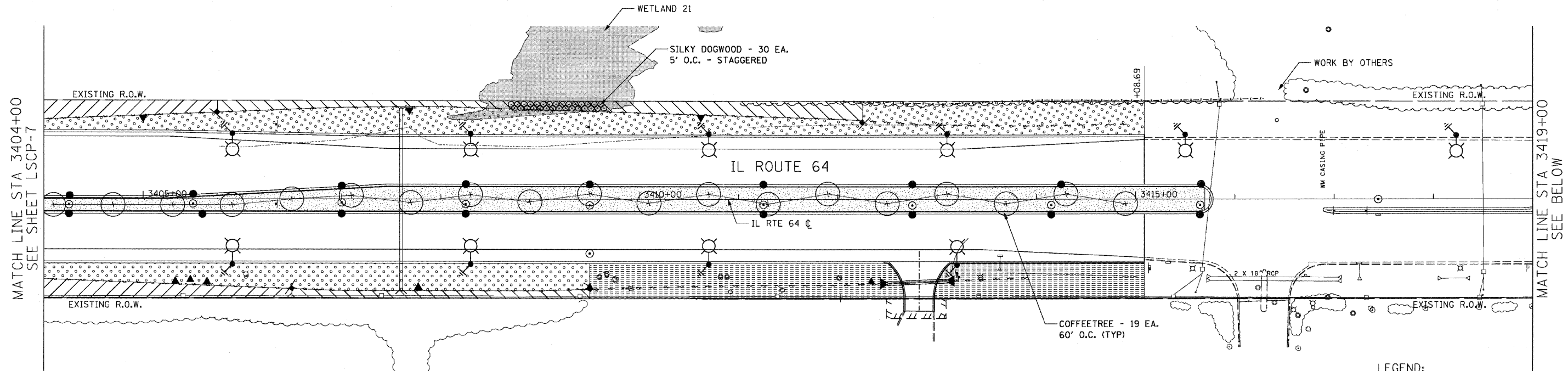
VERT: NONE
 SCALE: HORIZ: 1"=50'
 DATE: MAY 13, 2011

DRAWN BY: RMG
 CHECKED BY: JWM



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	317
STA. 3404+00		TO STA. 3422+54		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410

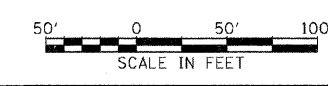


- LEGEND:**
- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
 - FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
 - FURNISHING AND PLACING TOPSOIL, 24" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
 - COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
 - COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
 - SELECTIVE MOWING STAKE WITH SIGN

MATCH LINE STA 3419+00
SEE ABOVE

MATCH LINE STA 3404+00
SEE SHEET LSCP-7

MATCH LINE STA 3419+00
SEE BELOW



REVISIONS	
NAME	DATE
S. LIPKIE	06/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

LANDSCAPING PLAN
 IL ROUTE 64
 STA. 3404+00 TO STA. 3422+54

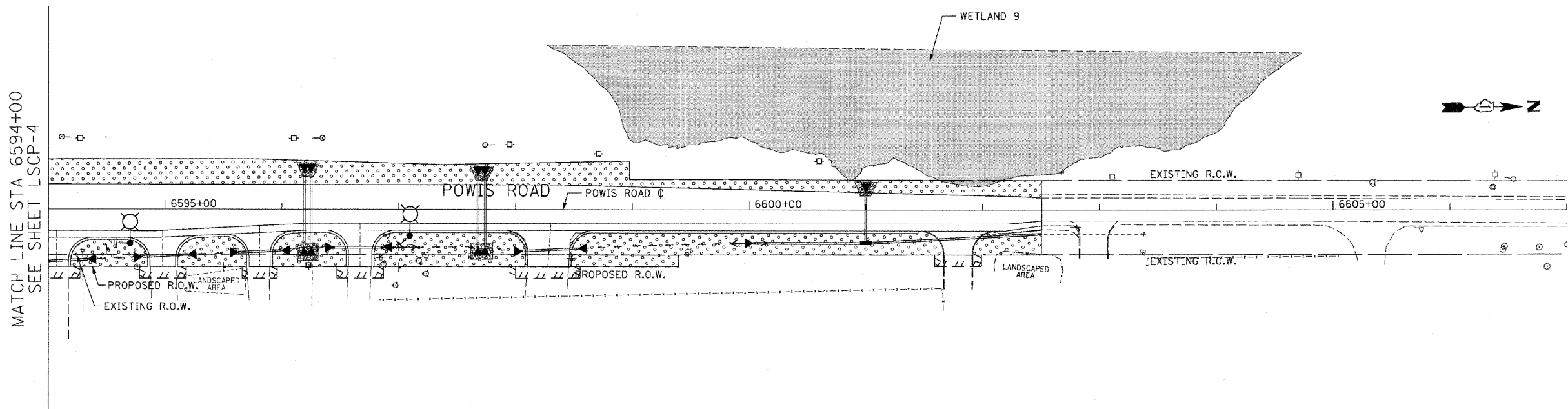
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 SCALE: HORIZ: 1"=50'
 DATE: MAY 13, 2011

DRAWN BY: RMG
 CHECKED BY: JWM

LSCP-8

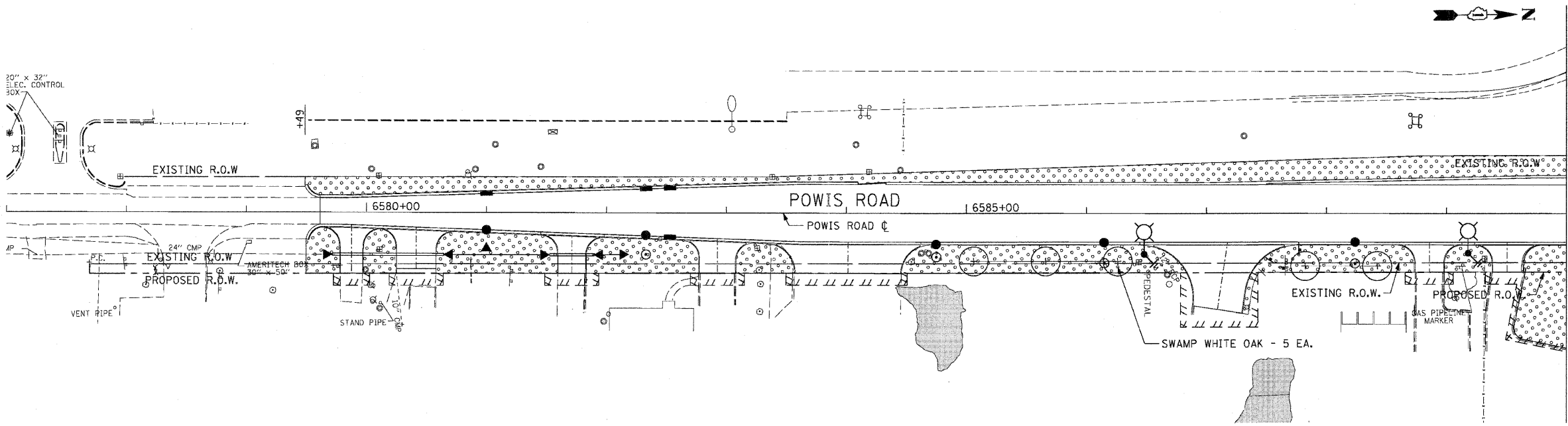
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	318
STA. 6579+61		TO STA. 6602+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410

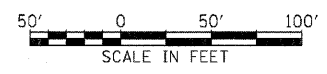


MATCH LINE STA 6594+00
SEE SHEET LSCP-4

- LEGEND:**
- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
 - FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
 - FURNISHING AND PLACING TOPSOIL, 24" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
 - COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
 - COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
 - SELECTIVE MOWING STAKE WITH SIGN



MATCH LINE STA 6590+00
SEE SHEET LSCP-4



REVISIONS	
NAME	DATE
S. LIPKIE	06/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

LANDSCAPING PLAN
 POWIS ROAD
 STA. 6579+61 TO STA. 6602+50

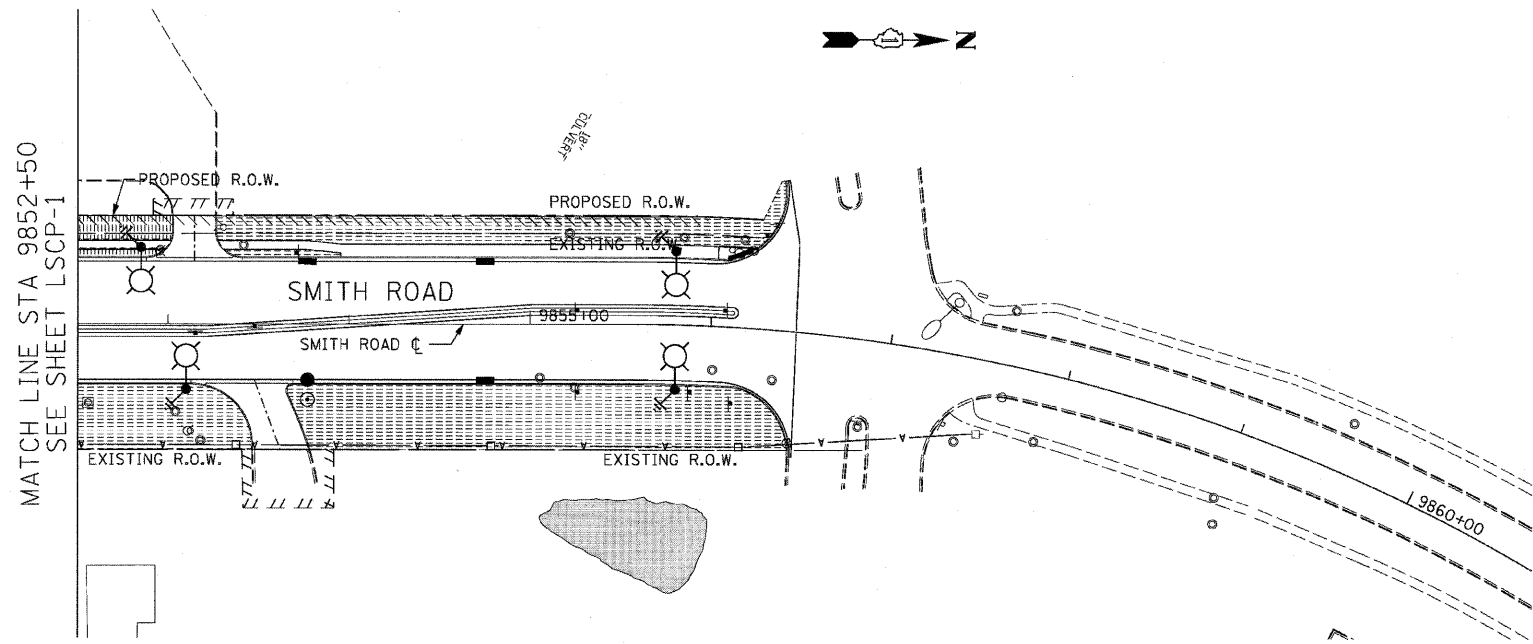
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 HORIZ: 1"=50'
 DATE: NOVEMBER 1, 2011

DRAWN BY: AFC
 CHECKED BY: NJH

LSCP-9

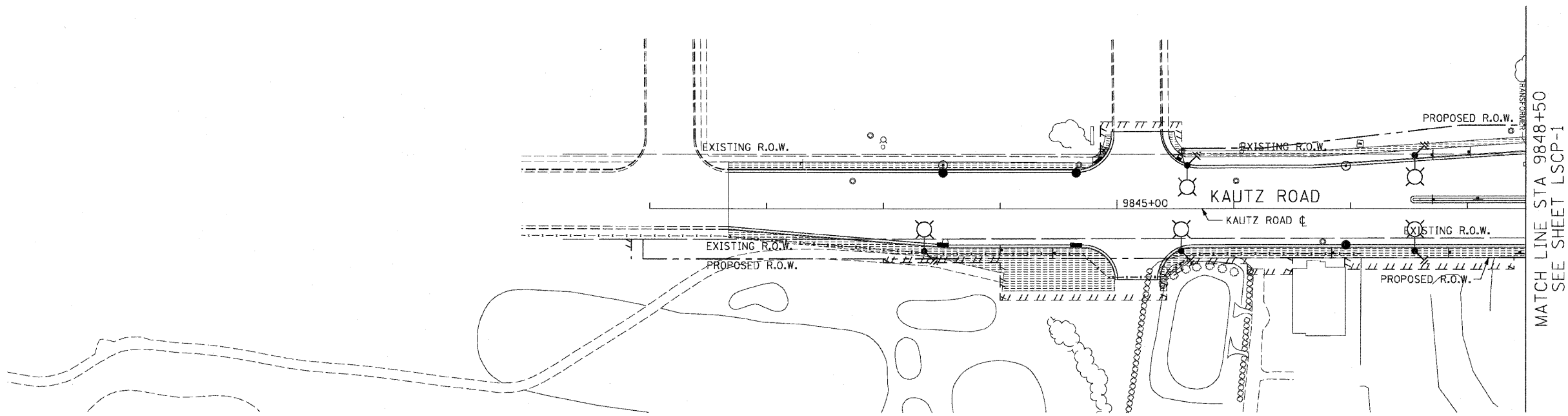
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	319
STA. 9840+94 TO STA. 9856+83			ILLINOIS FED. AID PROJECT	

62410

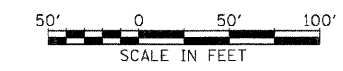


LEGEND:

- FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 4" AND SODDING, SALT TOLERANT EROSION CONTROL BLANKET
- FURNISHING AND PLACING TOPSOIL, 24" AND SEEDING CLASS 2A EROSION CONTROL BLANKET
- COMPOST, 2" SEEDING CLASS 4 (PRAIRIE GRASS) EROSION CONTROL BLANKET
- COMPOST, 2" SEEDING CLASS 4B (MODIFIED) WETLAND MIX EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKE WITH SIGN



LSCP-10



REVISIONS	
NAME	DATE

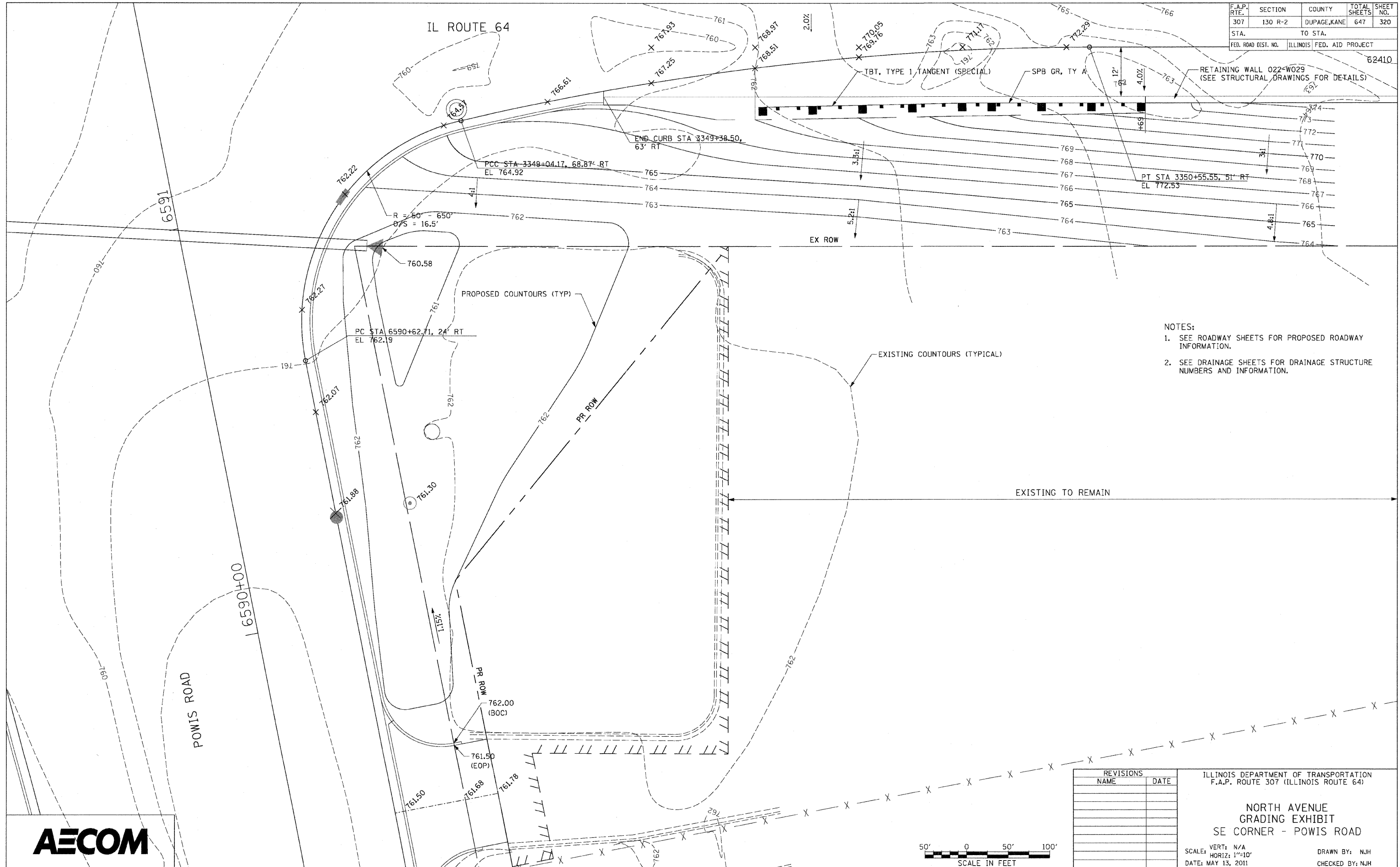
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

LANDSCAPING PLAN
 SMITH / KAUTZ ROAD
 STA. 9841+67.29 TO STA. 9856+83

VERT: NONE
 SCALE: HORIZ: 1"=50'
 DATE: MAY 13, 2011

DRAWN BY: RMG
 CHECKED BY: JWM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	320
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- NOTES:
- SEE ROADWAY SHEETS FOR PROPOSED ROADWAY INFORMATION.
 - SEE DRAINAGE SHEETS FOR DRAINAGE STRUCTURE NUMBERS AND INFORMATION.

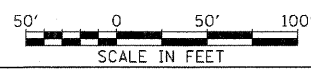
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

**NORTH AVENUE
 GRADING EXHIBIT
 SE CORNER - POWIS ROAD**

SCALE: VERT: N/A
 HORIZ: 1"=10'
 DATE: MAY 13, 2011

DRAWN BY: NJH
 CHECKED BY: NJH



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	321
STA.		TO STA.		
FED. ROAD DIST. NO.		ILL. NOIS FED. AID PROJECT		

62410

ITEM	UNIT	TRAFFIC SIGNALS								INTERCONNECT			TOTAL
		FOXFIELD	KIRK RD	W MALL DR	E MALL DR	SMITH RD	PHEASANT RUN	POWIS RD	ATLANTIC DR	15TH ST - POWIS		ATLANTIC-IL59	
										KANE CTY	DUPAGE CTY	DUPAGE CTY	
SERVICE INSTALLATION - GROUND MOUNTED	EACH	0	0	0	1	1	2	0	0	0	0	0	4
SERVICE INSTALLATION - POLE MOUNTED	EACH	0	0	0	0	0	0	1	1	0	0	0	2
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	38	0	0	945	936	1119	1468	857	1063	6224	32	12682
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	0	27	5	45	15	26	0	19	0	0	0	137
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	0	0	0	53	63	57	0	136	0	0	0	309
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	0	0	0	524	681	571	479	567	0	0	0	2822
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	0	0	0	0	0	0	407	0	0	0	0	407
HANDHOLE	EACH	0	0	0	4	3	2	0	2	1	5	0	17
HEAVY-DUTY HANDHOLE	EACH	0	0	0	4	5	6	10	5	0	5	0	35
DOUBLE HANDHOLE	EACH	0	0	0	2	2	2	2	2	0	0	0	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	1	0	0	0	0	0	0	1	1	5
MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	0	0	0	0	0	0	1	0	0	0	0	1
UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1	1	1	1	1	1	1	1	0	0	0	8
TRANSCEIVER-FIBER OPTIC	EACH	1	1	1	1	1	1	0	1	0	0	0	7
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM 12F	FOOT	0	0	0	0	0	0	0	0	13148	2414	2930	18492
SPAN WIRE	FOOT	0	0	0	0	0	0	779	0	0	0	0	779
TETHER WIRE	FOOT	0	0	0	0	0	0	779	0	0	0	0	779
ELECTRICAL CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	0	0	0	0	0	0	0	0	13125	2411	2927	18463
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	460	639	552	468	960	275	0	0	0	0	0	3354
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	0	653	566	1430	2165	1322	0	631	0	0	0	6767
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	0	0	0	2012	3970	2520	0	4167	0	0	0	12669
ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	0	0	0	1951	2215	2723	0	535	0	0	0	7424
ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	0	0	0	2881	4219	2273	0	2953	0	0	0	12326
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	0	0	0	106	113	322	0	40	0	0	0	581
ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	0	0	0	779	807	1026	0	817	0	0	0	3429
ELECTRICAL CABLE AERIAL SUSPENDED, SIGNAL NO. 14 3C	FOOT	0	0	0	0	0	0	907	0	0	0	0	907
ELECTRICAL CABLE AERIAL SUSPENDED, SIGNAL NO. 14 5C	FOOT	0	0	0	0	0	0	5330	0	0	0	0	5330
ELECTRICAL CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2C	FOOT	0	0	0	0	0	0	106	0	0	0	0	106
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	0	1	1	0	1	0	0	0	0	0	0	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	0	0	0	1	0	0	0	1	0	0	0	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	0	0	0	2	0	2	0	1	0	0	0	5
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	2	0	0	0	0	0	0	0	0	0	0	2
STEEL MAST ARM ASSEMBLY AND POLE 16 FT.	EACH	0	0	0	0	0	0	0	2	0	0	0	2
STEEL MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	0	0	0	0	0	0	0	1	0	0	0	1
STEEL MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	0	0	0	1	0	0	0	0	0	0	0	1
STEEL MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	0	0	0	0	0	0	0	1	0	0	0	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 46 FT. AND 30 FT.	EACH	0	0	0	0	0	1	0	0	0	0	0	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	0	0	0	1	0	0	0	0	0	0	0	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	0	0	0	1	0	0	0	0	0	0	0	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	0	0	0	0	0	0	0	2	0	0	0	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	0	0	0	0	0	1	0	0	0	0	0	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 70 FT.	EACH	0	0	0	0	0	1	0	0	0	0	0	1
CONCRETE FOUNDATION, TYPE A	FOOT	0	4	4	16	4	16	0	8	0	0	0	52
CONCRETE FOUNDATION, TYPE C	FOOT	0	0	0	4	4	4	0	4	0	0	0	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	0	0	0	0	0	0	0	30	0	0	0	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	0	0	0	55	16	30	0	13	0	0	0	114
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	0	0	0	0	71	46	0	42	0	0	0	159
DRILL EXISTING HANDHOLE	EACH	2	1	1	0	0	0	0	0	2	5	2	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	6	5	8	14	10	0	15	0	0	0	62
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	1	0	0	0	0	0	0	0	0	0	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	4	5	5	8	8	0	1	0	0	0	35



SHEET 1 OF 2

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
NAME	DATE	
		SUMMARY OF TRAFFIC SIGNAL AND TRAFFIC SIGNAL INTERCONNECT QUANTITIES

SCALE: N.T.S.
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGNED BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	322
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

ITEM	UNIT	TRAFFIC SIGNALS								INTERCONNECT			TOTAL
		FOXFIELD	KIRK RD	W MALL DR	E MALL DR	SMITH RD	PHEASANT RUN	POWIS RD	ATLANTIC DR	15TH ST - POWIS		ATLANTIC-IL59	
										KANE CTY	DUPAGE CTY	DUPAGE CTY	
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	0	0	1	1	0	0	0	1	0	0	0	3
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	0	1	2	1	0	2	0	0	0	0	0	6
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	0	3	1	1	0	0	0	1	0	0	0	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2	2	4	4	2	0	0	0	0	0	16
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2	0	0	0	0	0	0	0	0	0	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8	10	10	13	22	18	0	16	0	0	0	97
INDUCTIVE LOOP DETECTOR	EACH	9	10	12	11	14	10	0	9	0	0	0	75
DETECTOR LOOP, TYPE I	FOOT	1248	789	1763	701	192	0	0	0	0	0	0	4693
PREFORMED DETECTOR LOOP	FOOT	0	0	0	329	1516	1516	1980	885	0	0	0	6226
LIGHT DETECTOR	EACH	0	0	0	4	4	4	5	3	0	0	0	20
LIGHT DETECTOR AMPLIFIER	EACH	0	0	0	1	1	1	1	1	0	0	0	5
PEDESTRIAN PUSH-BUTTON	EACH	6	0	2	4	4	2	0	0	0	0	0	18
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	0	0	0	1	1	1	0	1	0	0	0	4
REMOVE ELECTRICAL CABLE FROM CONDUIT	FOOT	0	0	0	8208	0	8379	8339	0	0	0	0	24926
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	1	1	1	1	1	0	0	0	0	7
REMOVE EXISTING HANDHOLE	EACH	0	0	0	11	0	9	11	0	4	18	0	53
REMOVE EXISTING CONCRETE FOUNDATION	EACH	0	0	0	10	0	9	9	0	0	0	0	28
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	0	0	0	0	0	0	1	0	0	0	0	1
WIRELESS INTERCONNECT (COMPLETE)	EACH	0	0	0	0	0	0	1	0	0	0	0	1
TEMPORARY WIRELESS INTERCONNECT, COMPLETE	LUMP SUM	0	0	0	0	0	0	0	0	1	0	0	1
TRAFFIC SIGNAL WOOD POLE, 45 FT, CLASS 5	EACH	0	0	0	0	0	0	4	0	0	0	0	4
VIDEO DETECTION SYSTEM	EACH	0	0	0	0	0	0	1	0	0	0	0	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	1	1	1	1	1	1	1	0	0	0	8
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	0	0	0	934	1177	1027	1366	631	0	0	0	5135
ELECTRIC CABLE AERIAL SUSPENDED NO. 20 3/C, TWISTED, SHIELDED	FOOT	0	0	0	0	0	0	1163	0	0	0	0	1163
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL II	EACH	0	0	0	0	0	0	0	0	0	0	1	1
OPTIMIZE TRAFFIC SIGNAL SYSTEM	LUMP SUM	0	0	0	0	0	0	0	0	0.7	0.3	0	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	0	0	0	1	1	1	1	1	0	0	0	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	0	0	0	0	0	0	24	0	0	0	0	24
ELECTRICAL CABLE AERIAL SUSPENDED, GROUNDING, NO. 6 1C	FOOT	0	0	0	0	0	0	106	0	0	0	0	106
PARAPET MOUNTED EMERGENCY VEHICLE PREEMPTION DETECTOR SUPPORT	EACH	0	0	0	0	0	0	1	0	0	0	0	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS 48 FT. AND 26 FT.	EACH	0	0	0	1	0	0	0	0	0	0	0	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 22 FT.	EACH	0	0	0	0	0	1	0	0	0	0	0	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 55 FT. AND 32 FT.	EACH	0	0	0	0	1	0	0	0	0	0	0	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 64 FT. AND 32 FT.	EACH	0	0	0	0	1	0	0	0	0	0	0	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 68 FT. AND 40 FT.	EACH	0	0	0	0	1	0	0	0	0	0	0	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 70 FT. AND 44 FT.	EACH	0	0	0	0	1	0	0	0	0	0	0	1
INSTALL EXISTING FIBER OPTIC CABLE IN CONDUIT	LUMP SUM	0	0	0	0	0	0	0	0	0	1	0	1

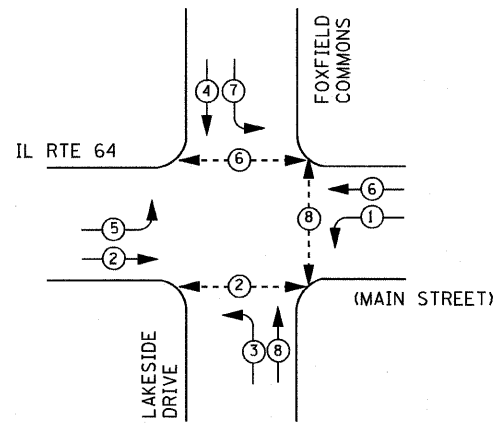


REVISIONS	
NAME	DATE

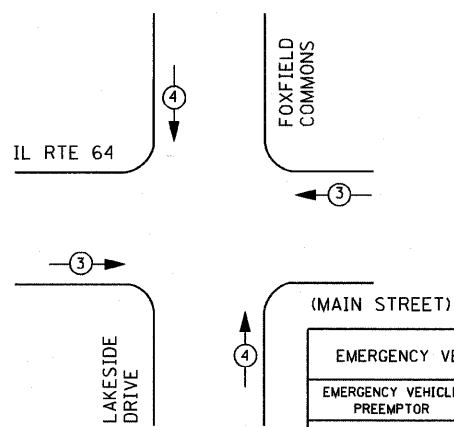
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 SUMMARY OF TRAFFIC SIGNAL AND
 TRAFFIC SIGNAL INTERCONNECT
 QUANTITIES
 SCALE: N.T.S.
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGNED BY: JS
 CHECKED BY: WP

CIVIL ENGINEERING CONSULTANTS
RWA
 Regina Webster & Associates, Inc.
 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax: 773-283-2602
 www.RWAengineers.com

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	6	90	25	1.00	150.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		252	25	0.05	--
VIDEO SYSTEM		150	-	1.00	--
TOTAL =					491.20

ENERGY COSTS- BILLED TO: CITY OF ST. CHARLES
 2 EAST MAIN STREET
 ST. CHARLES, IL 60174
 ENERGY SUPPLY - CONTACT TOM BRUHL
 PHONE 630-377-4401
 COMPANY CITY OF ST. CHARLES

LEGEND

- ⊙ DUAL ENTRY PHASE
- ⊙ PEDESTRIAN PHASE
- ⊙ SINGLE ENTRY PHASE
- ⊙ OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

TRACER CABLE

PROPOSED INTERCONNECT TO DUNHAM RD/INDUSTRIAL DR (SEE CONTRACT #62195)

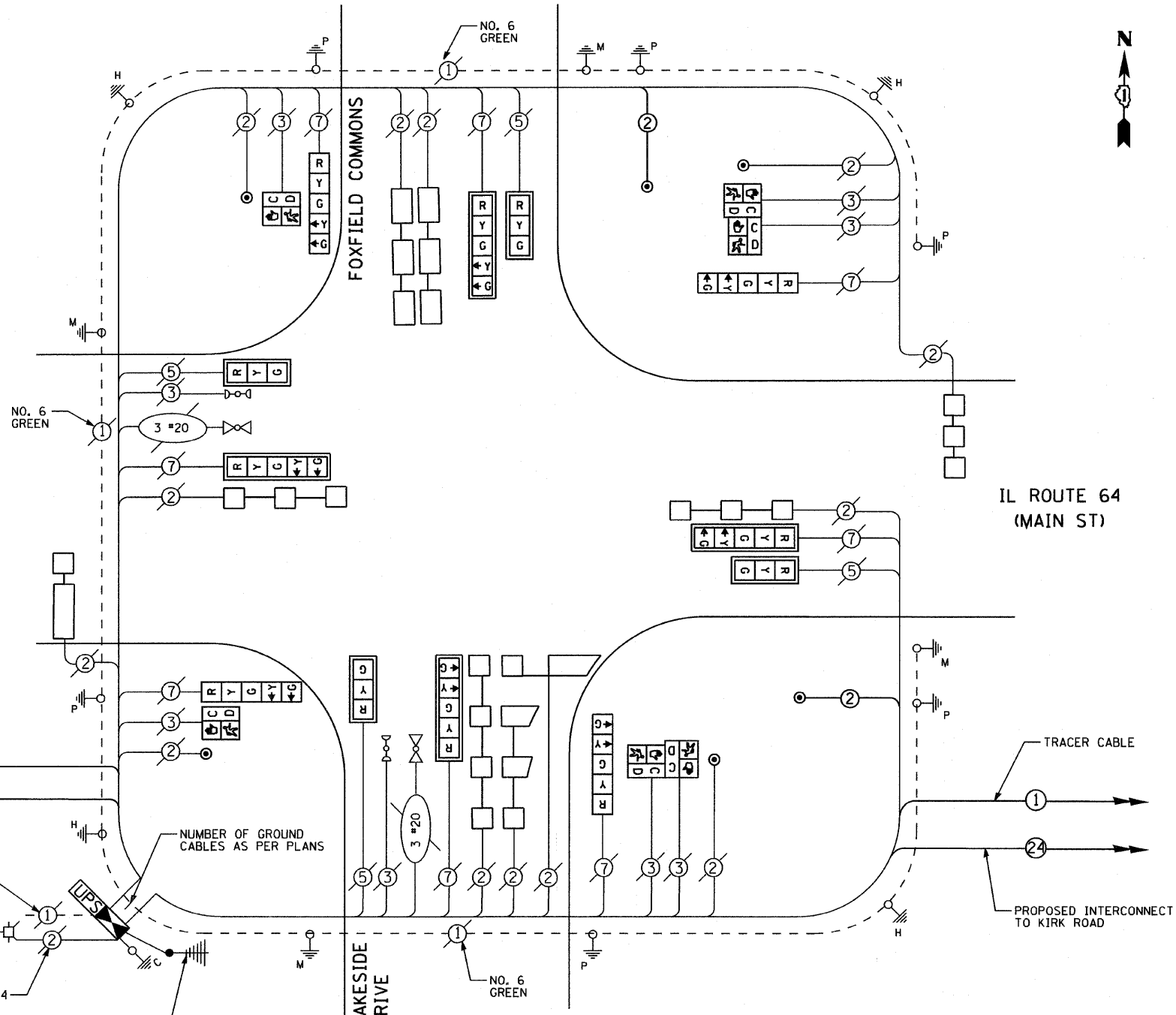
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

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

AT LOCATIONS WHERE UPS IS INSTALLED AND EMERGENCY VEHICLE PRIORITY SYSTEM IS IN USE, ANY EXISTING INCANDESCENT CONFIRMATION BEACONS SHALL BE REPLACED WITH LED LAMPS IN ACCORDANCE WITH THE DISTRICT ONE EMERGENCY VEHICLE PRIORITY SYSTEM SPECIFICATION AT NO ADDITIONAL COST TO THE CONTRACT.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.



CABLE PLAN

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
38	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
* 1	EACH	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL
1	EACH	TRANSCEIVER - FIBER OPTIC
460	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
2	EACH	DRILL EXISTING HANDHOLE
2	EACH	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
9	EACH	INDUCTIVE LOOP DETECTOR
1248	FOOT	DETECTOR LOOP, TYPE I
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTABLE POWER SUPPLY SPECIAL

** - 100% COST TO CMAQ

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -
#FILE#		DRAWN - DW	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - JS	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

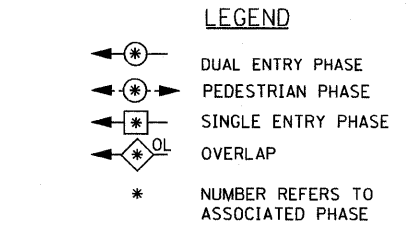
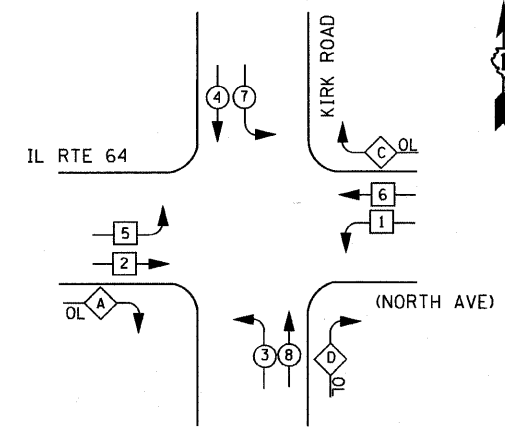
IL ROUTE 64 AND FOXFIELD COMMONS /LAKESIDE DRIVE
 CABLE PLAN, SCHEDULE OF QUANTITIES & PHASE DESIGNATION DIAGRAM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	KANE	647	324
CONTRACT NO. 62410				
[ILLINOIS] FED. AID PROJECT				

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

CIVIL ENGINEERING CONSULTANTS
RWA
 Regina Webster & Associates, Inc.
 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax: 773-283-2602
 www.RWEng.com

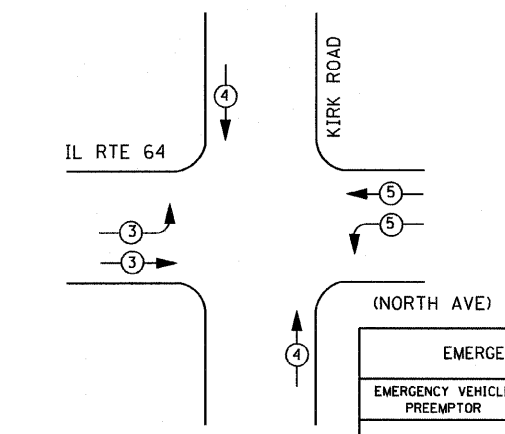
CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
C	6	7
D	8	1

PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	↑	←

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	19		17	0.50	161.5
(YELLOW)	19		25	0.25	118.75
(GREEN)	19		15	0.25	71.25
ARROW	28		12	0.10	28.8
PED. SIGNAL	2		25	1.00	50
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	
VIDEO SYSTEM			-	1.00	
FLASHER LED					
TOTAL =					530.3

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
 201 WEST CENTER COURT
 SCHAMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT TOM BRUHL
 PHONE 630-377-4401
 COMPANY CITY OF ST. CHARLES

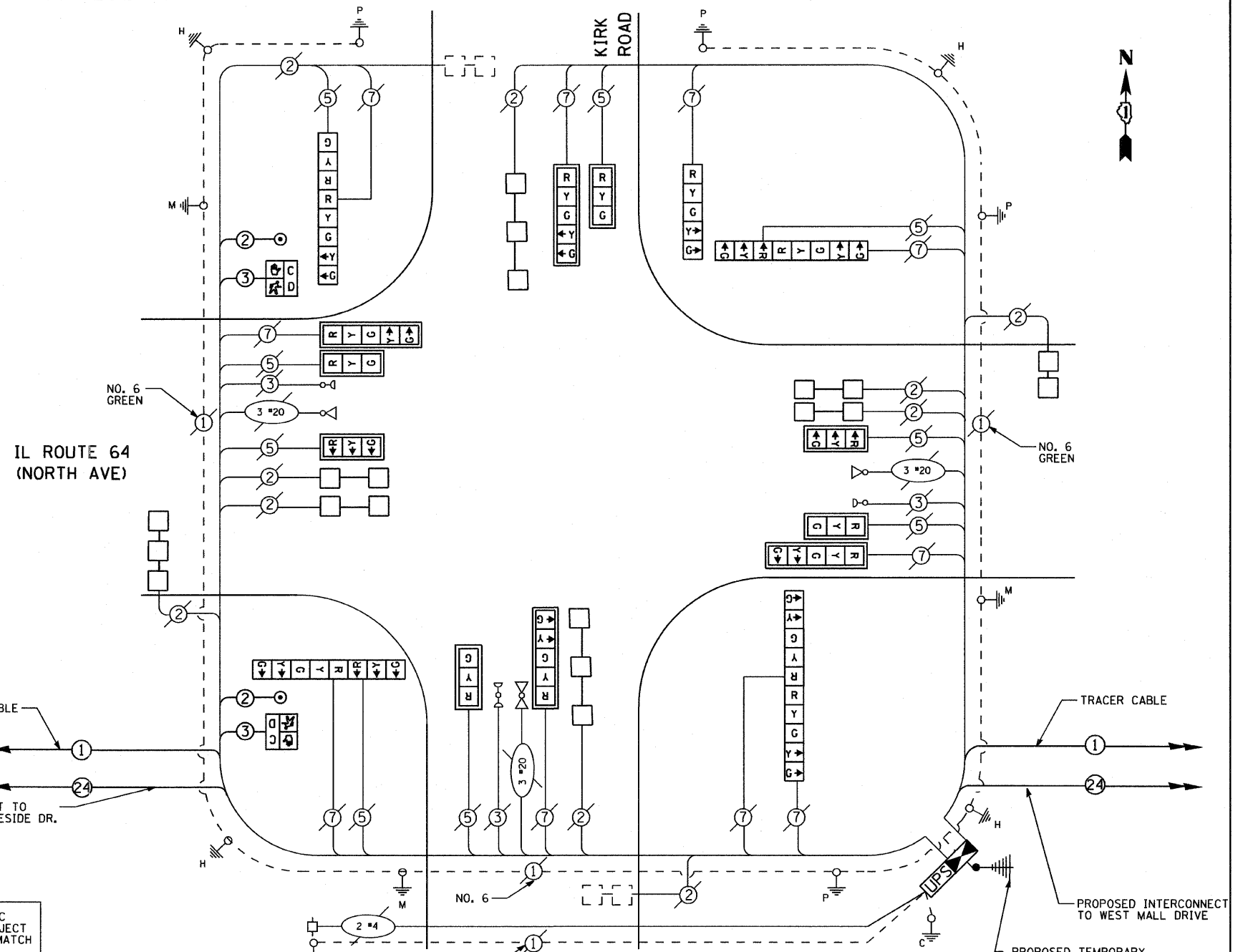
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

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

AT LOCATIONS WHERE UPS IS INSTALLED AND EMERGENCY VEHICLE PRIORITY SYSTEM IS IN USE, ANY EXISTING INCANDESCENT CONFIRMATION BEACONS SHALL BE REPLACED WITH LED LAMPS IN ACCORDANCE WITH THE DISTRICT ONE EMERGENCY VEHICLE PRIORITY SYSTEM SPECIFICATION AT NO ADDITIONAL COST TO THE CONTRACT.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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 SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



CABLE PLAN SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
27	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
** 1	EACH	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL
1	EACH	TRANSCEIVER - FIBER OPTIC
639	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
653	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1	EACH	DRILL EXISTING HANDHOLE
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
6	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 5 SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
10	EACH	INDUCTIVE LOOP DETECTOR
789	FOOT	DETECTOR LOOP, TYPE I
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTIBLE POWER SUPPLY SPECIAL

** - 100% COST TO CMAQ

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -
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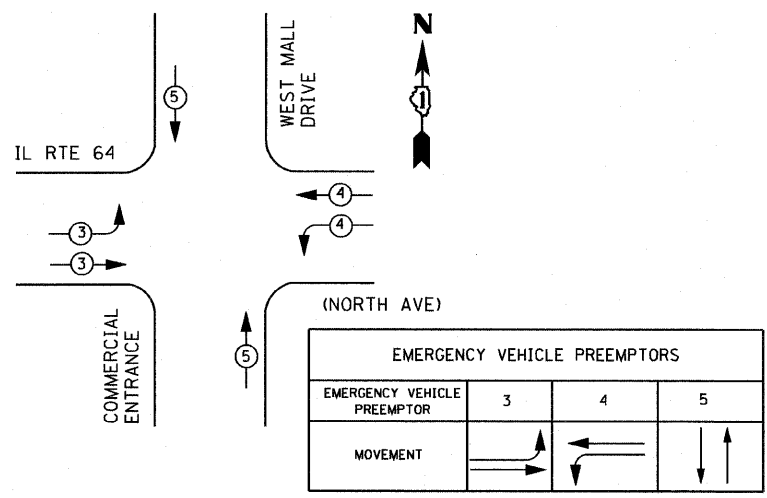
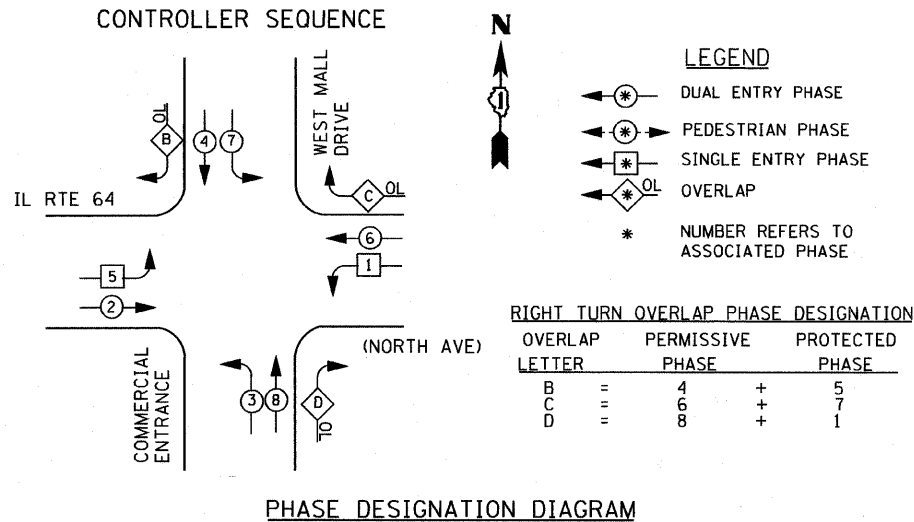
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 64 AND KIRK ROAD
 CABLE PLAN, SCHEDULE OF QUANTITIES & PHASE DESIGNATION DIAGRAM**

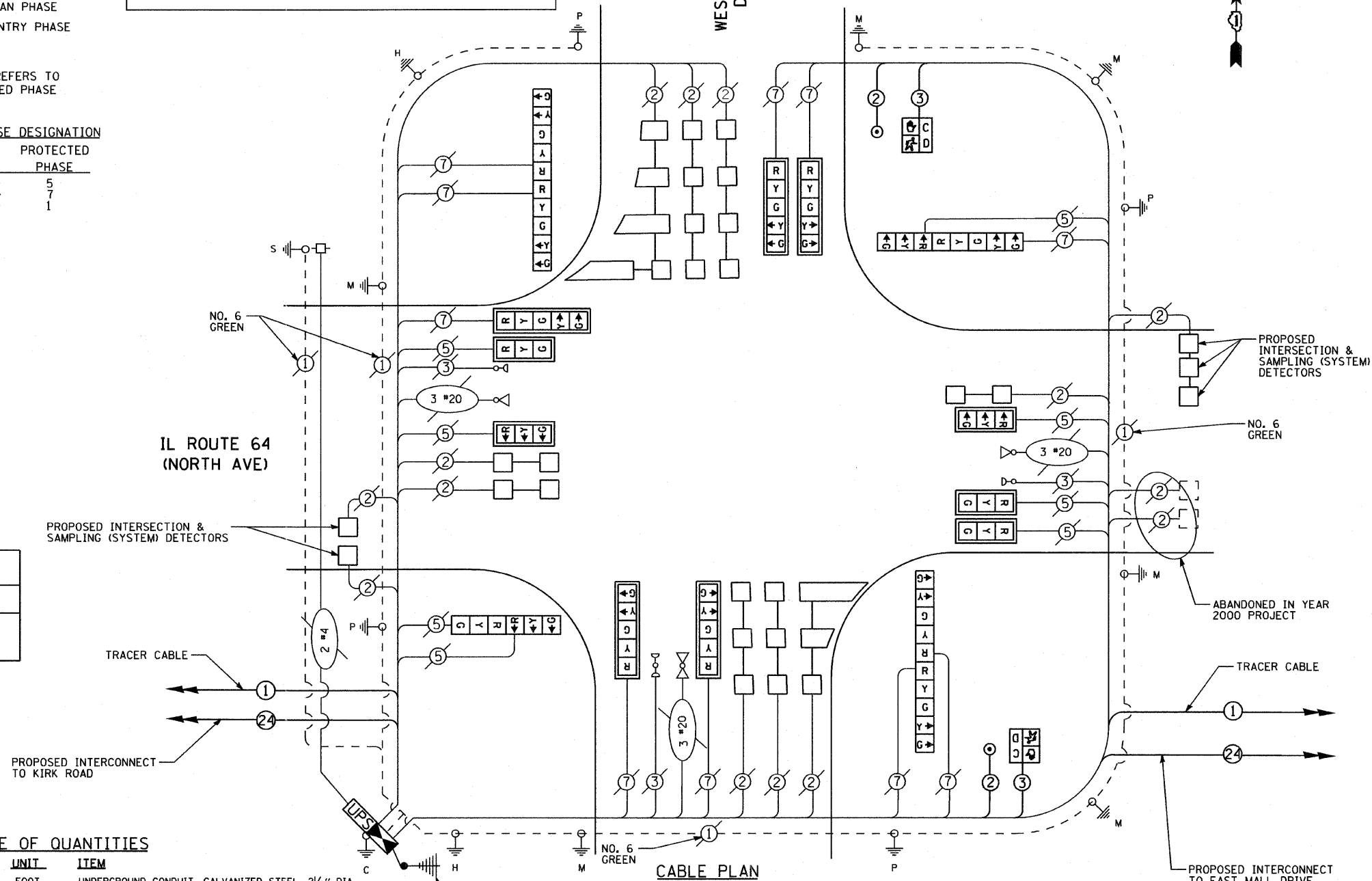
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	KANE	647	327
CONTRACT NO. 62410				
ILLINOIS FED. AID PROJECT				

CIVIL ENGINEERING CONSULTANTS
RWA
 Regina Webster & Associates, Inc.
 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax: 773-283-2602
 www.rwaengineers.com



AT LOCATIONS WHERE UPS IS INSTALLED AND EMERGENCY VEHICLE PRIORITY SYSTEM IS IN USE, ANY EXISTING INCANDESCENT CONFIRMATION BEACONS SHALL BE REPLACED WITH LED LAMPS IN ACCORDANCE WITH THE DISTRICT ONE EMERGENCY VEHICLE PRIORITY SYSTEM SPECIFICATION AT NO ADDITIONAL COST TO THE CONTRACT.



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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	18	135	17	0.50	153
(YELLOW)	18	135	25	0.25	112.5
(GREEN)	18	135	15	0.25	67.5
ARROW	20	135	12	0.10	24
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	X
VIDEO SYSTEM		150	-	1.00	X
TOTAL =					507

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
5	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
** 1	EACH	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL
1	EACH	TRANSCEIVER - FIBER OPTIC
551.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
565.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1	EACH	DRILL EXISTING HANDHOLE
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
5	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
5	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 3 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
12	EACH	INDUCTIVE LOOP DETECTOR
1763	FOOT	DETECTOR LOOP, TYPE I
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTIBLE POWER SUPPLY SPECIAL

** - 100% COST TO CMAQ

ENERGY COSTS- BILLED TO: CITY OF ST. CHARLES
 2 EAST MAIN STREET
 ST. CHARLES, IL 60174

ENERGY SUPPLY - CONTACT TOM BRUHL
 PHONE 630-377-4401
 COMPANY CITY OF ST. CHARLES

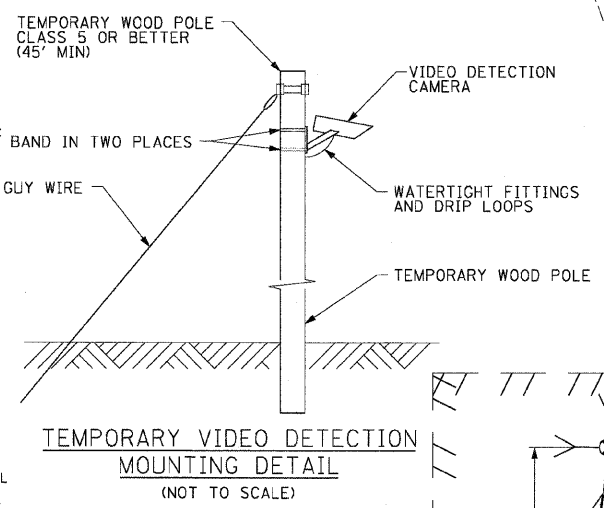
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

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

- NOTES FOR TEMPORARY TRAFFIC SIGNALS
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR
 2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
 3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTION SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
 4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
 5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
 6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON
 7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PER-EMPTION, OR WHEN INDICATED ON THE PLANS.



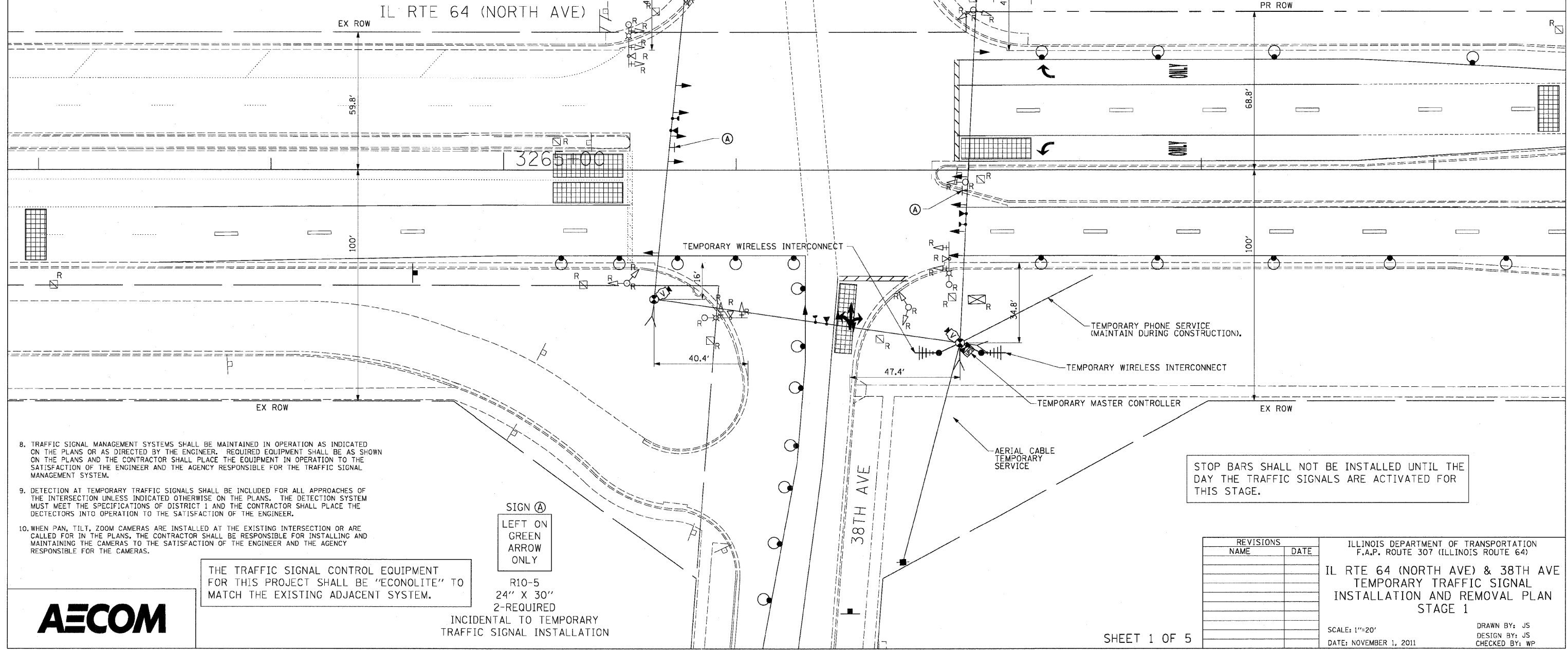
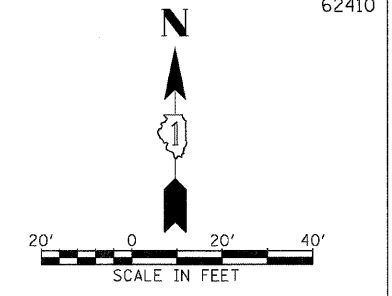
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF ST. CHARLES AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY'S MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 4.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT
- 1.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT

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

- 1.0 EACH CONTROLLER AND CABINET (COMPLETE)
- 2.0 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4.0 EACH SIGNAL HEAD, 1-FACE, 3-SECTION (PROGRAMMABLE)
- 4.0 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1.0 EACH SIGNAL HEAD, 2 FACE, 3-SECTION
- 2.0 EACH SIGNAL HEAD, 2 FACE, 1-3-SECTION, 1-5-SECTION
- 1.0 EACH SIGNAL HEAD, 2-FACE, 5-SECTION
- 5.0 EACH SIGNAL POST
- 4.0 EACH ALUMINUM MAST ARM AND POLE
- 1.0 EACH ELECTRICAL SERVICE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	330
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		62410



8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

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

SIGN A
 LEFT ON GREEN ARROW ONLY

R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

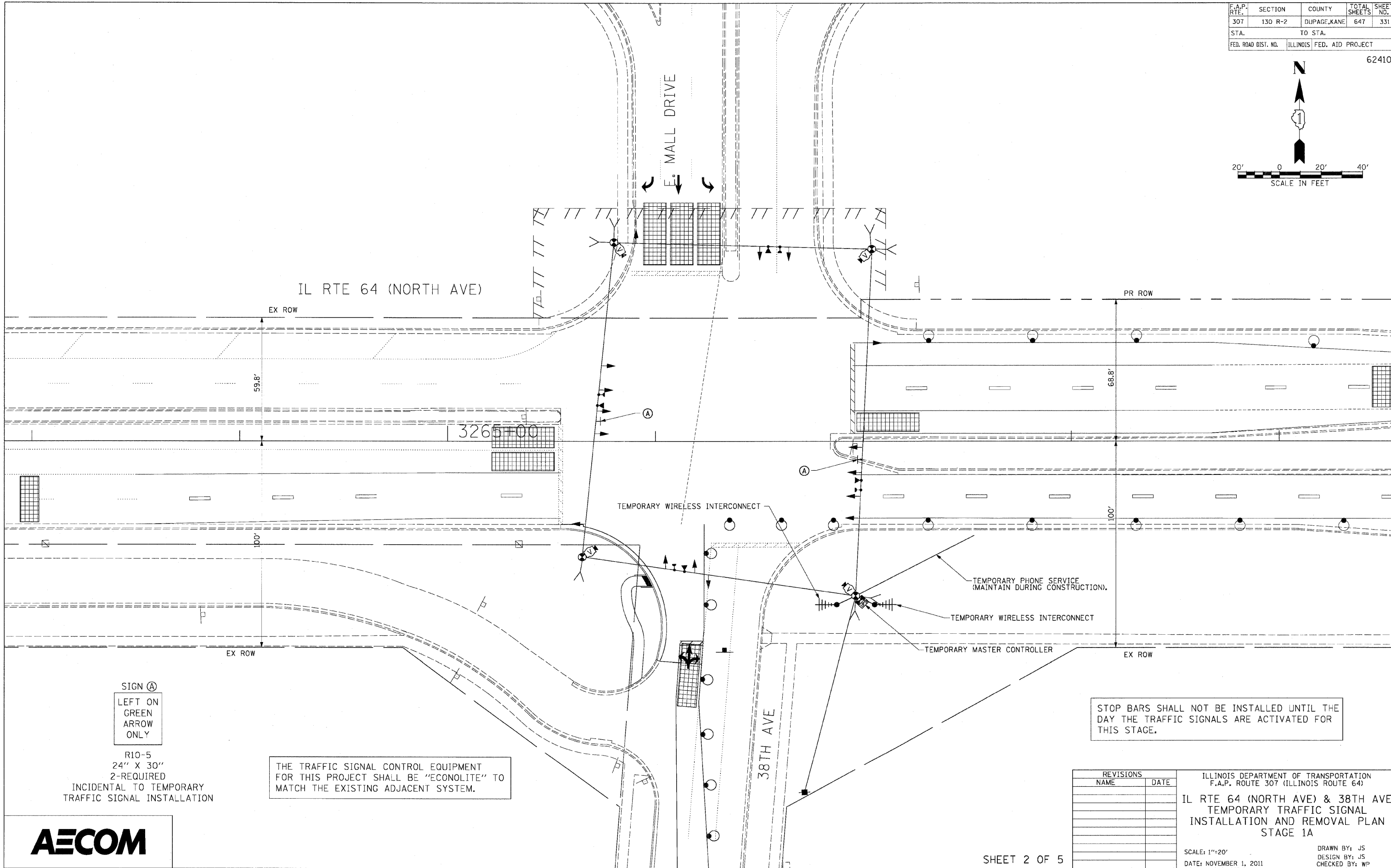
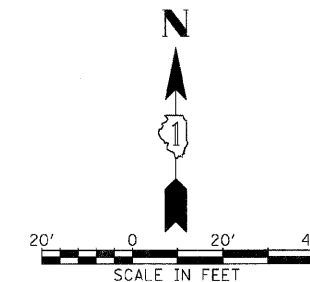
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 IL RTE 64 (NORTH AVE) & 38TH AVE
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 STAGE 1
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	331
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

62410



SIGN (A)
 LEFT ON GREEN ARROW ONLY

R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

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

STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 IL RTE 64 (NORTH AVE) & 38TH AVE
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 STAGE 1A

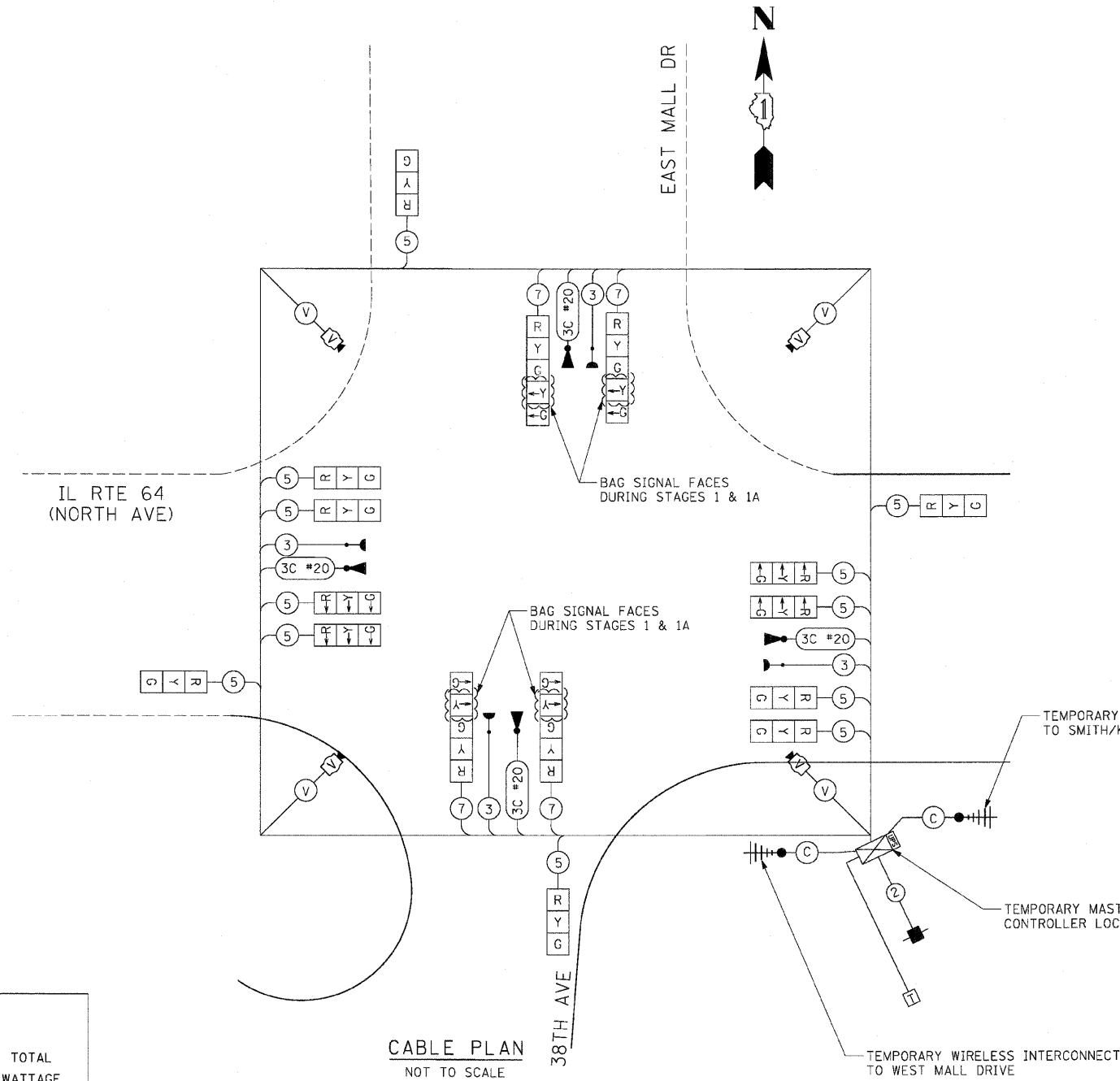
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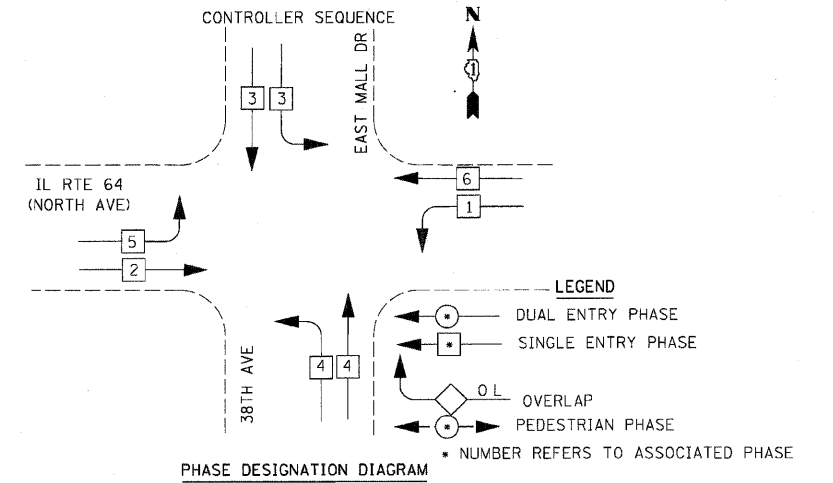


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

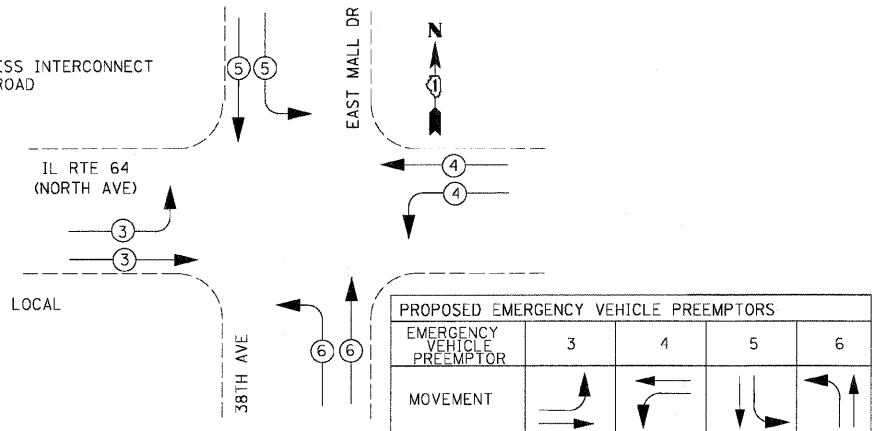
62410



CABLE PLAN
NOT TO SCALE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		17	50	102.00
(YELLOW)	12		25	25	75.00
(GREEN)	12		15	25	45.00
ARROW	20		12	10	24.00
PED. SIGNAL	0		25	100	0.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER				50	--
TOTAL =					496.00

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: THOMAS BRUHL
 PHONE: (630) 377-4401
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

REVISIONS	
NAME	DATE

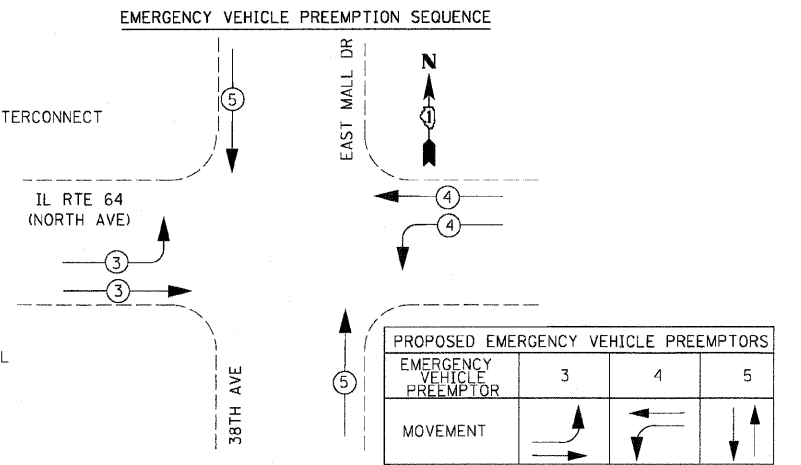
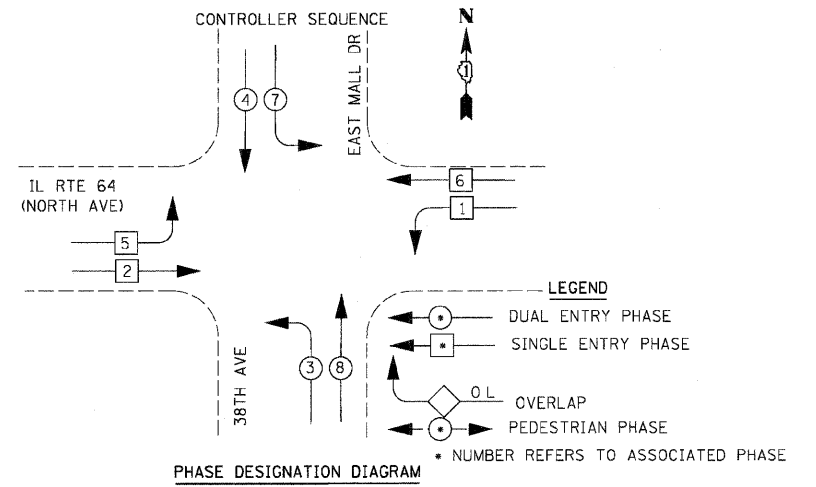
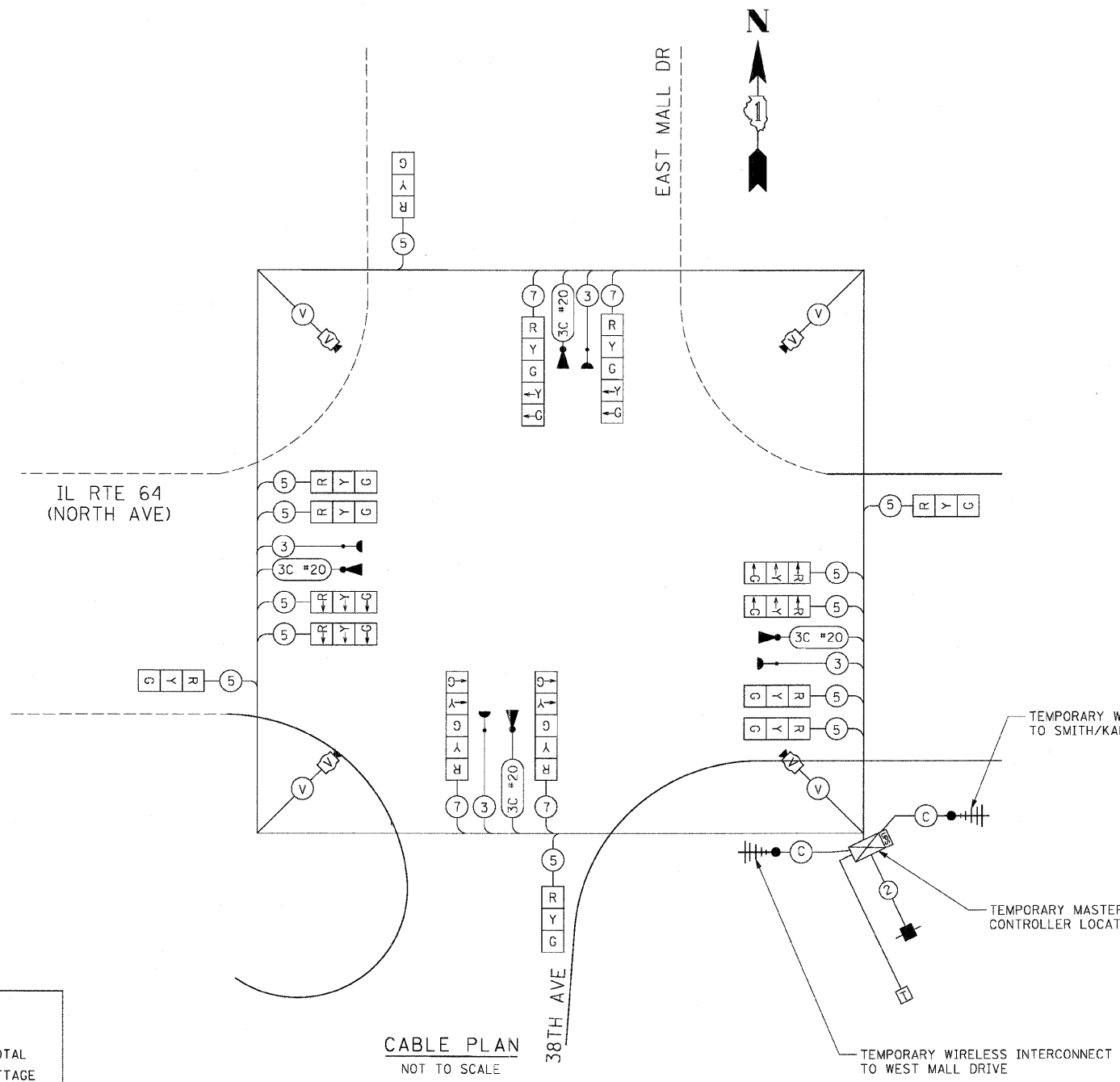
ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 (NORTH AVE) & 38TH AVE
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGES 1 & 1A

SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	334
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12		17	50	102.00
(YELLOW)	12		25	25	75.00
(GREEN)	12		15	25	45.00
ARROW	20		12	10	24.00
PED. SIGNAL	0		25	100	0.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER				50	--
TOTAL =					496.00

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

ENERGY SUPPLY CONTACT: THOMAS BRUHL
 PHONE: (630) 377-4401
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

REVISIONS	
NAME	DATE

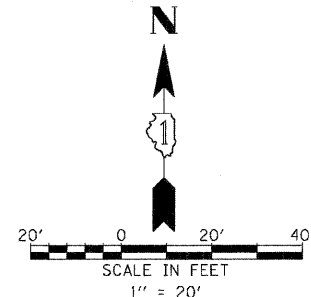
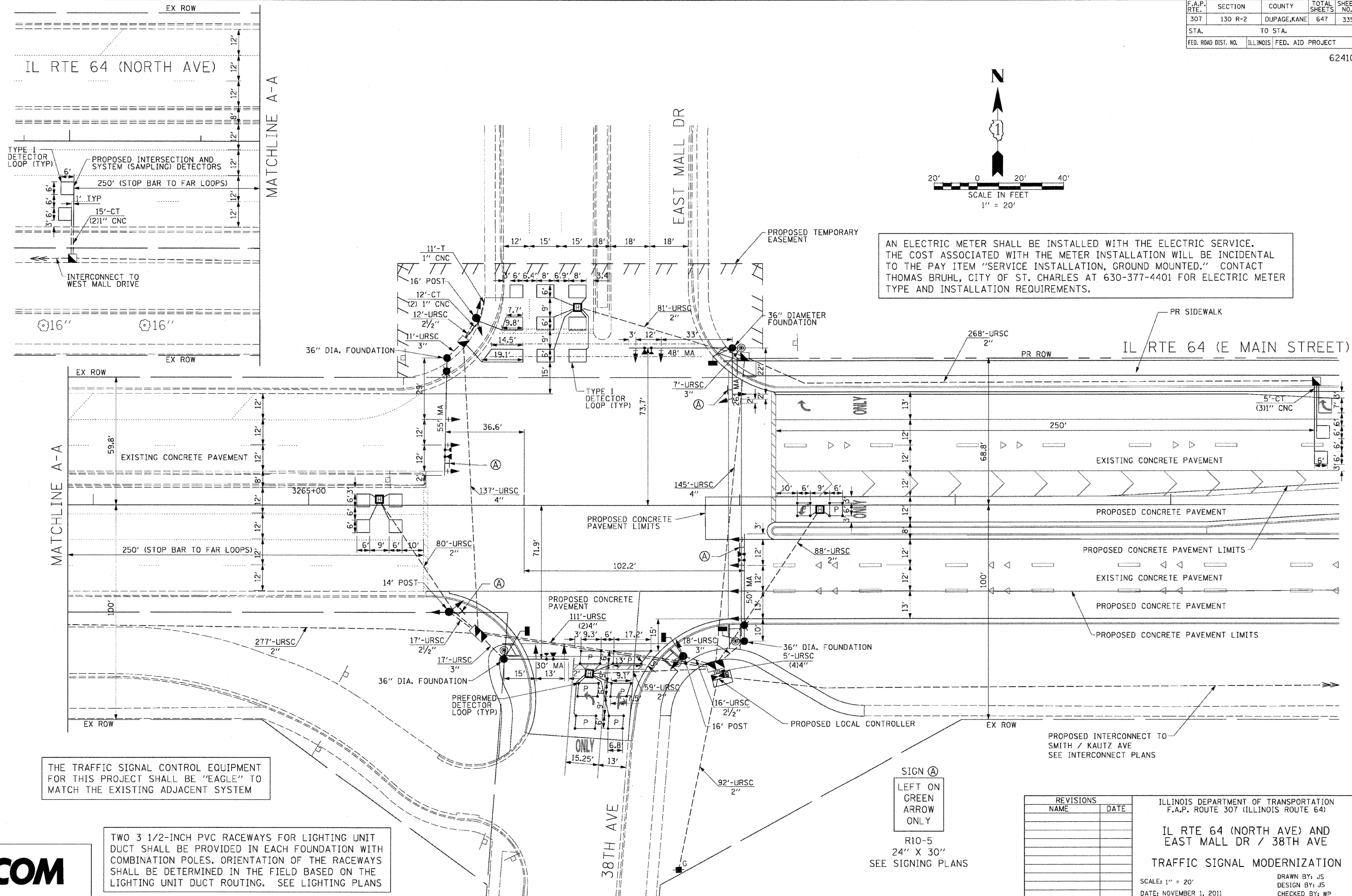
ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 (NORTH AVE) & 38TH AVE
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGES 2 & 2A

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

SCALE: NONE
 DATE: NOVEMBER 1, 2011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	335
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



AN ELECTRIC METER SHALL BE INSTALLED WITH THE ELECTRIC SERVICE. THE COST ASSOCIATED WITH THE METER INSTALLATION WILL BE INCIDENTAL TO THE PAY ITEM "SERVICE INSTALLATION, GROUND MOUNTED." CONTACT THOMAS BRUHL, CITY OF ST. CHARLES AT 630-377-4401 FOR ELECTRIC METER TYPE AND INSTALLATION REQUIREMENTS.

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

TWO 3 1/2-INCH PVC RACEWAYS FOR LIGHTING UNIT DUCT SHALL BE PROVIDED IN EACH FOUNDATION WITH COMBINATION POLES. ORIENTATION OF THE RACEWAYS SHALL BE DETERMINED IN THE FIELD BASED ON THE LIGHTING UNIT DUCT ROUTING. SEE LIGHTING PLANS

SIGN (A)
 LEFT ON GREEN
 ARROW
 ONLY
 R10-5
 24" X 30"
 SEE SIGNING PLANS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 IL RTE 64 (NORTH AVE) AND
 EAST MALL DR / 38TH AVE
 TRAFFIC SIGNAL MODERNIZATION
 SCALE: 1" = 20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

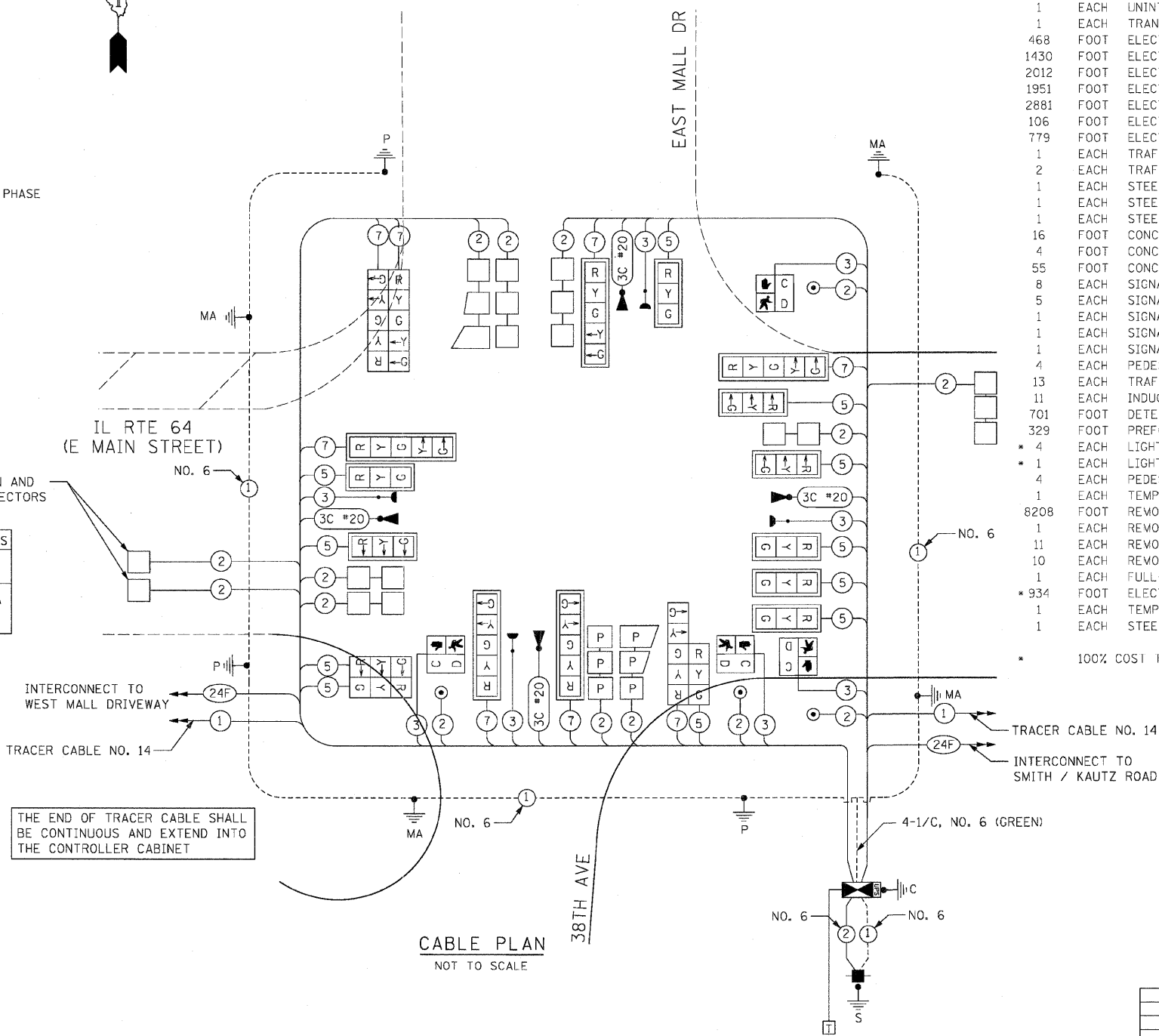
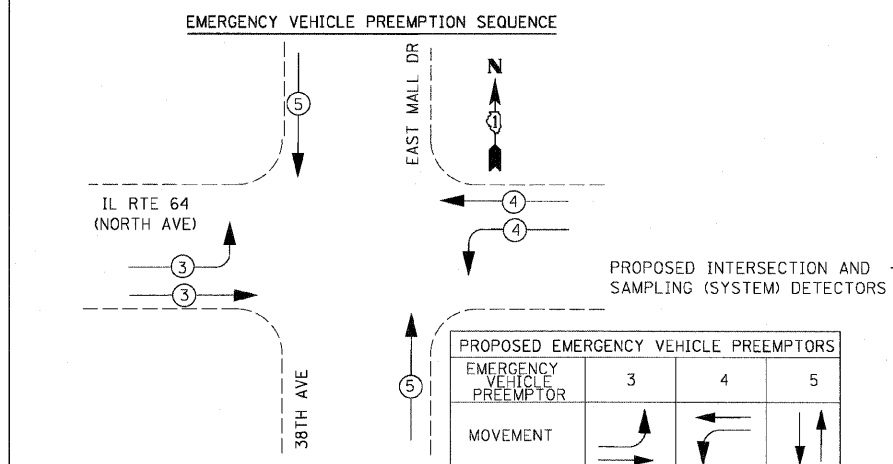
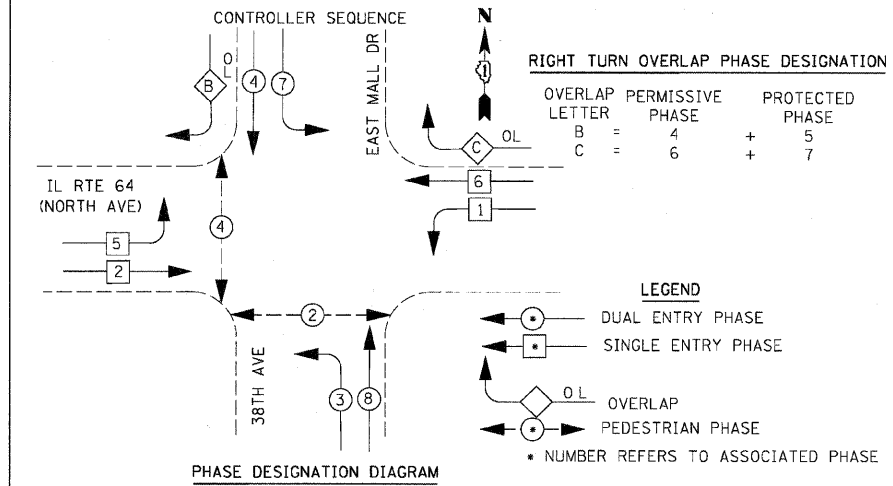


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	336
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
945	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
45	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
53	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
524	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
4	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
1	EACH	TRANSCIVER-FIBER OPTIC
468	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 2C
1430	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C
2012	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C
1951	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C
2881	FOOT	ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
106	FOOT	ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
779	FOOT	ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 30 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
55	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
8	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
5	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
13	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
11	EACH	INDUCTIVE LOOP DETECTOR
701	FOOT	DETECTOR LOOP, TYPE I
329	FOOT	PREFORMED DETECTOR LOOP
* 4	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
8208	FOOT	REMOVE ELECTRICAL CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
11	EACH	REMOVE EXISTING HANDHOLE
10	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
* 934	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS 48 FT. AND 26 FT.
* 100% COST TO CITY OF ST CHARLES		



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

TYPE	NO. LAMPS	WATTAGE		OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	15	17	50	50	127
(YELLOW)	15	25	25	25	93.8
(GREEN)	15	15	25	25	56.3
ARROW	28	12	10	10	33.6
PED. SIGNAL	4	25	100	100	100.0
CONTROLLER	1	100	100	100	100.0
ILLUM. SIGN	0	25	5	5	0
FLASHER			50		--
TOTAL =					510.7

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

ENERGY SUPPLY CONTACT: THOMAS BRUHL
 PHONE: (630) 377-4401
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILL. RTE. 64 (NORTH AVE.) AND 38TH AVE.
NAME	DATE	
		SCHEDULE OF QUANTITIES, CABLE PLAN

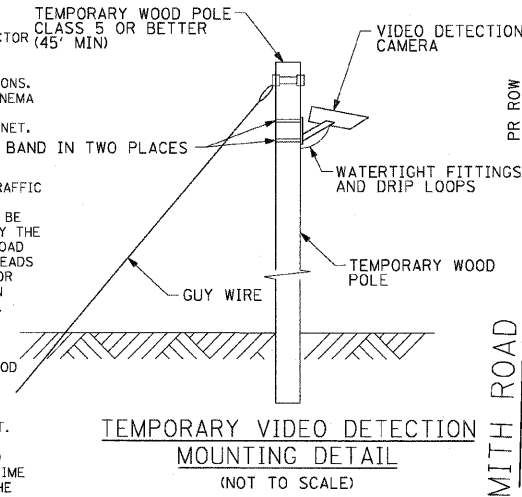
SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

SEE LIGHTING PLANS FOR LIGHTING DETAILS

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR (45' MIN)
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTION SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PER-EMPTION, OR WHEN INDICATED ON THE PLANS.



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF ST. CHARLES AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY'S MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 3.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT
- 1.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT

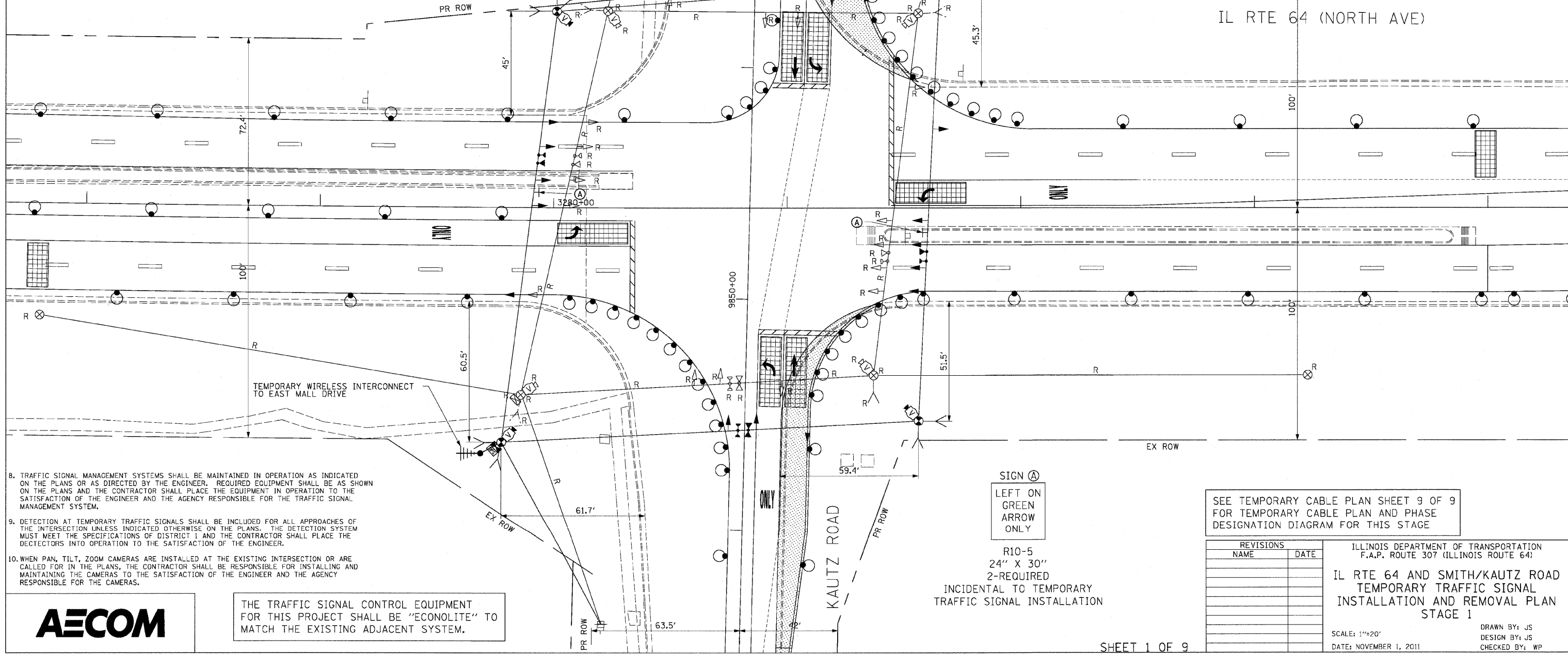
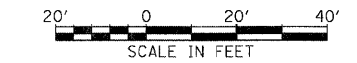
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 12.0 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4.0 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 4.0 EACH VIDEO DETECTION CAMERA

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

- 1.0 EACH CONTROLLER AND CABINET (COMPLETE)
- 1250 FEET AERIAL CABLE
- 6.0 EACH TEMPORARY WOOD POLE

STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.



8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

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

SIGN (A)
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

SEE TEMPORARY CABLE PLAN SHEET 9 OF 9 FOR TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM FOR THIS STAGE

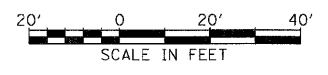
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 IL RTE 64 AND SMITH/KAUTZ ROAD
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 STAGE 1
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

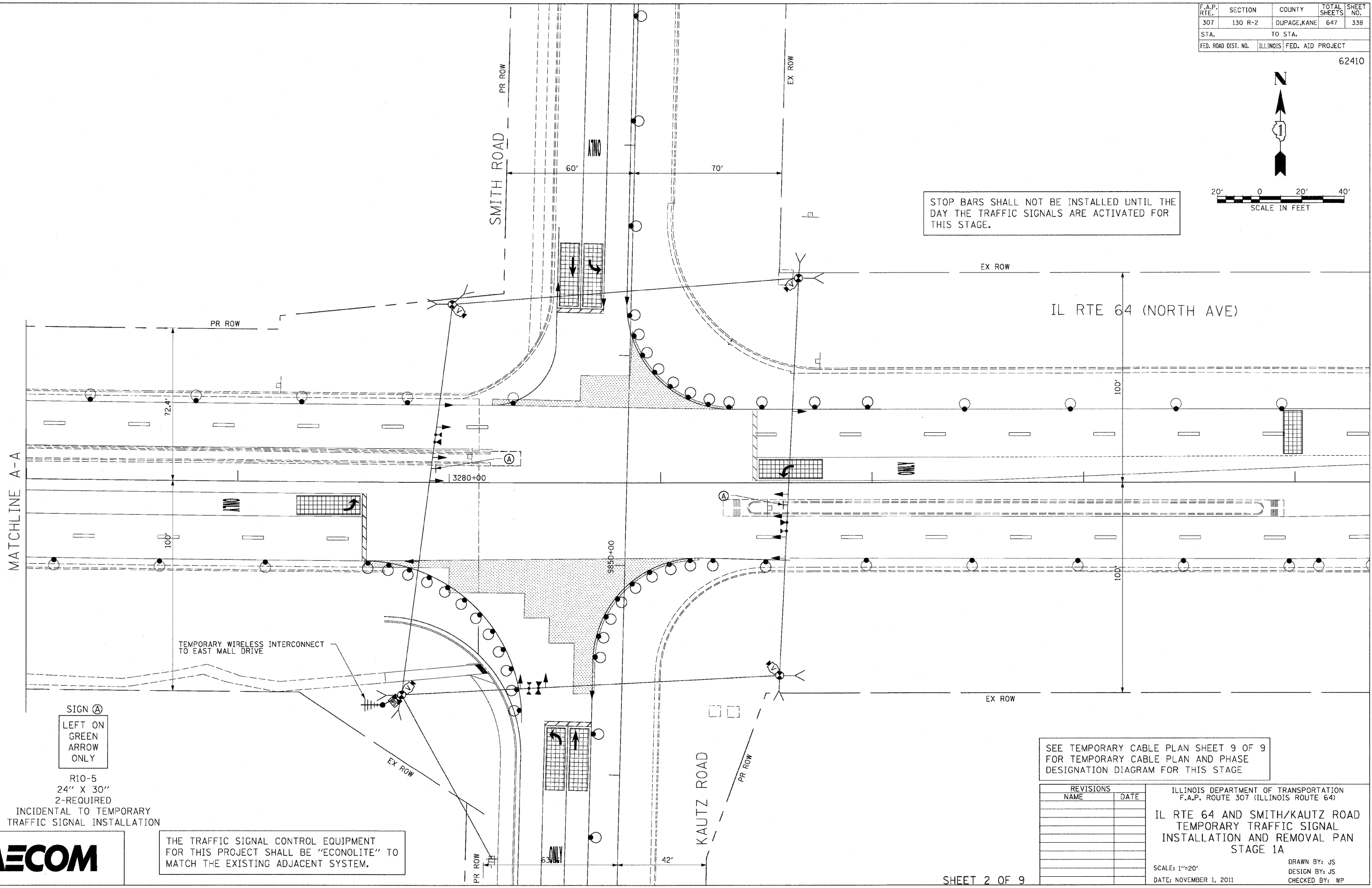


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	338
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.



MATCHLINE A-A

SIGN A
 LEFT ON GREEN ARROW ONLY

R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

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

SEE TEMPORARY CABLE PLAN SHEET 9 OF 9 FOR TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM FOR THIS STAGE

REVISIONS	
NAME	DATE

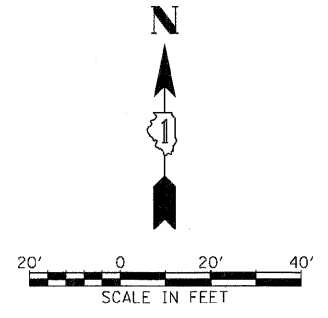
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
**IL RTE 64 AND SMITH/KAUTZ ROAD
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 STAGE 1A**

SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

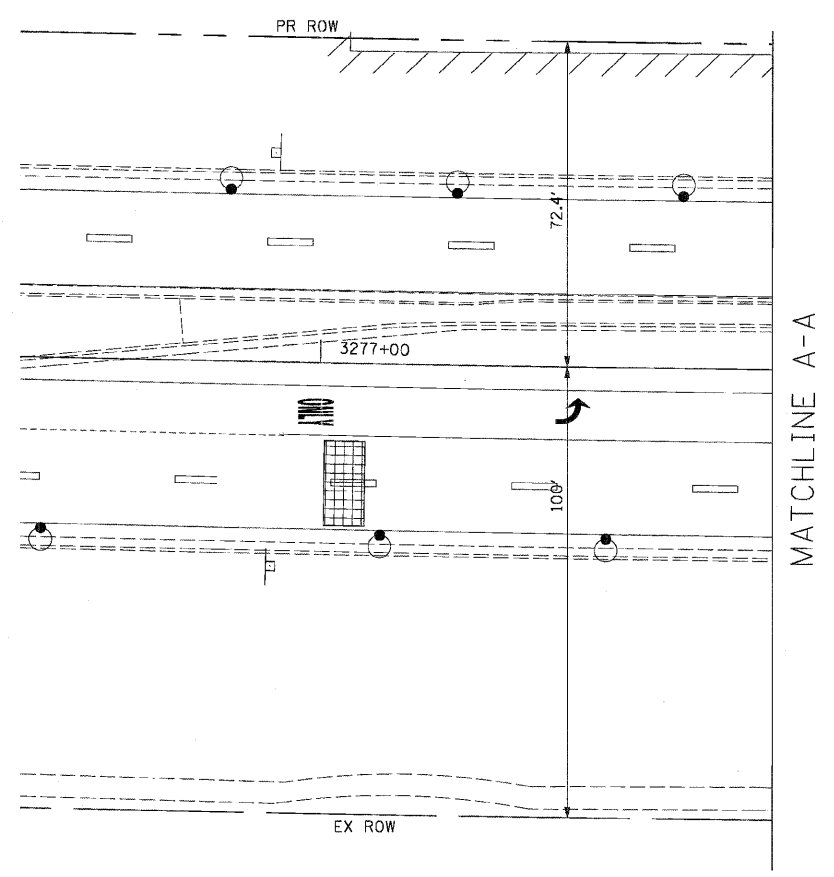


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	339
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



IL RTE 64 (NORTH AVE)



REVISIONS	
NAME	DATE

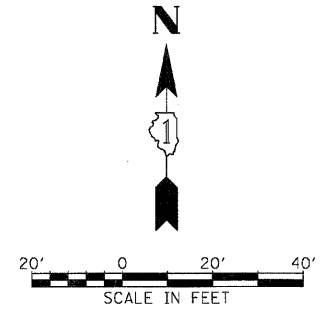
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 IL RTE 64 AND SMITH/KAUTZ ROAD
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 STAGE 1A

SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011

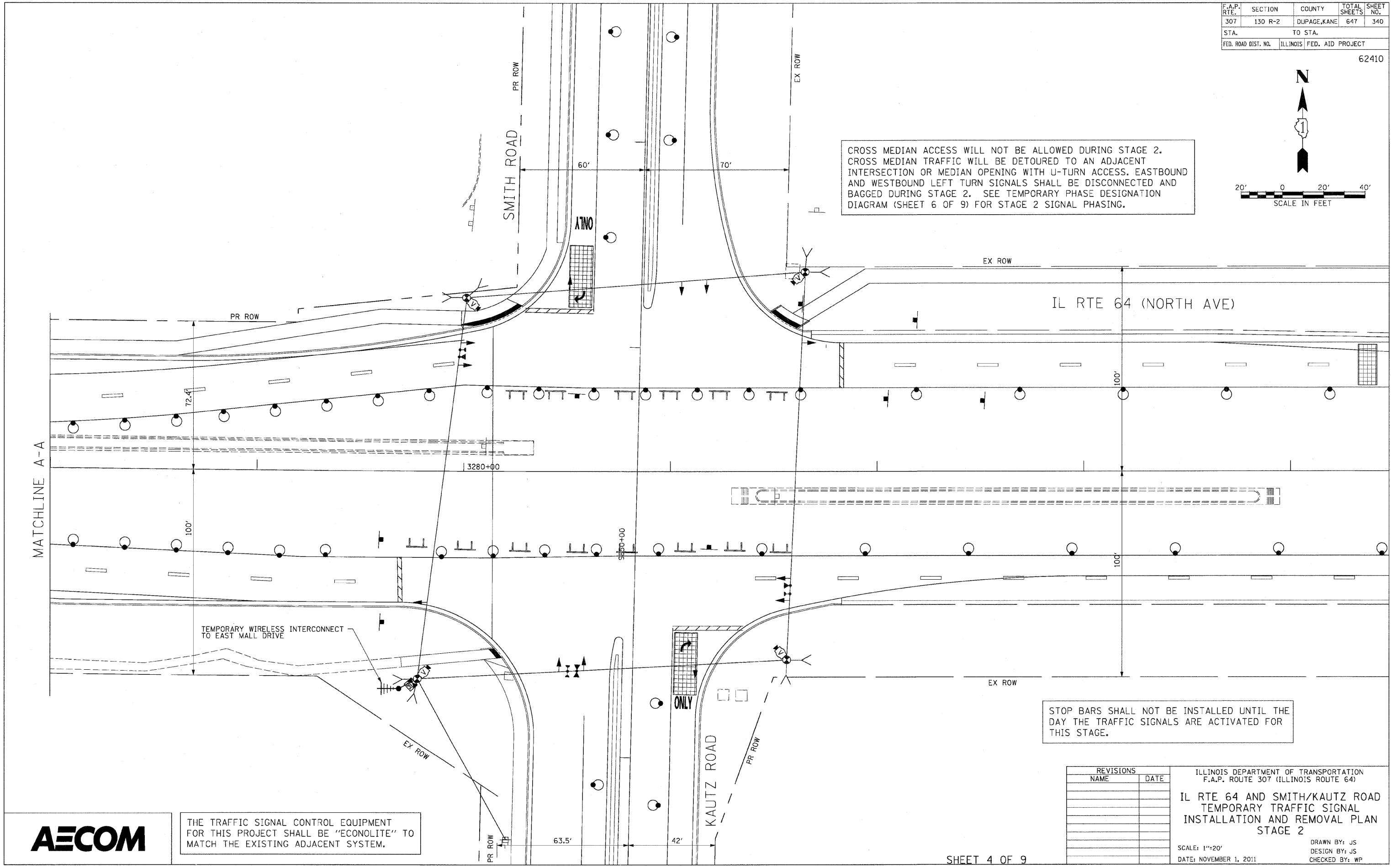
DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	340
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



CROSS MEDIAN ACCESS WILL NOT BE ALLOWED DURING STAGE 2. CROSS MEDIAN TRAFFIC WILL BE DETOURED TO AN ADJACENT INTERSECTION OR MEDIAN OPENING WITH U-TURN ACCESS. EASTBOUND AND WESTBOUND LEFT TURN SIGNALS SHALL BE DISCONNECTED AND BAGGED DURING STAGE 2. SEE TEMPORARY PHASE DESIGNATION DIAGRAM (SHEET 6 OF 9) FOR STAGE 2 SIGNAL PHASING.



STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.

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

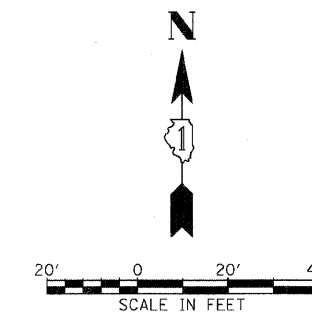
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
**IL RTE 64 AND SMITH/KAUTZ ROAD
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 STAGE 2**
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

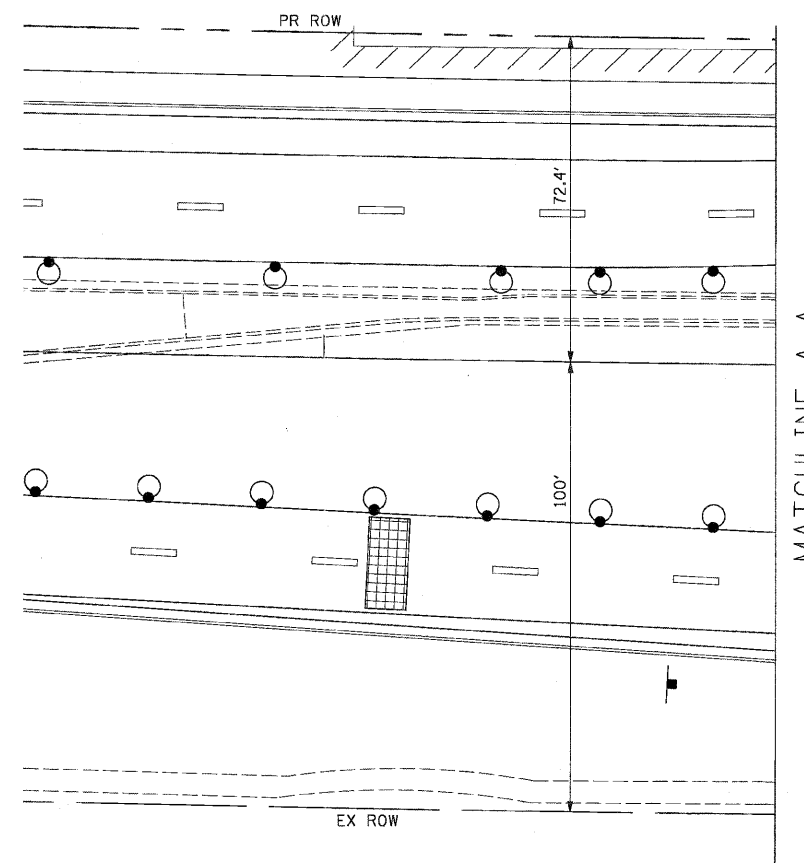


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	341
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



IL RTE 64 (NORTH AVE)



MATCHLINE A-A

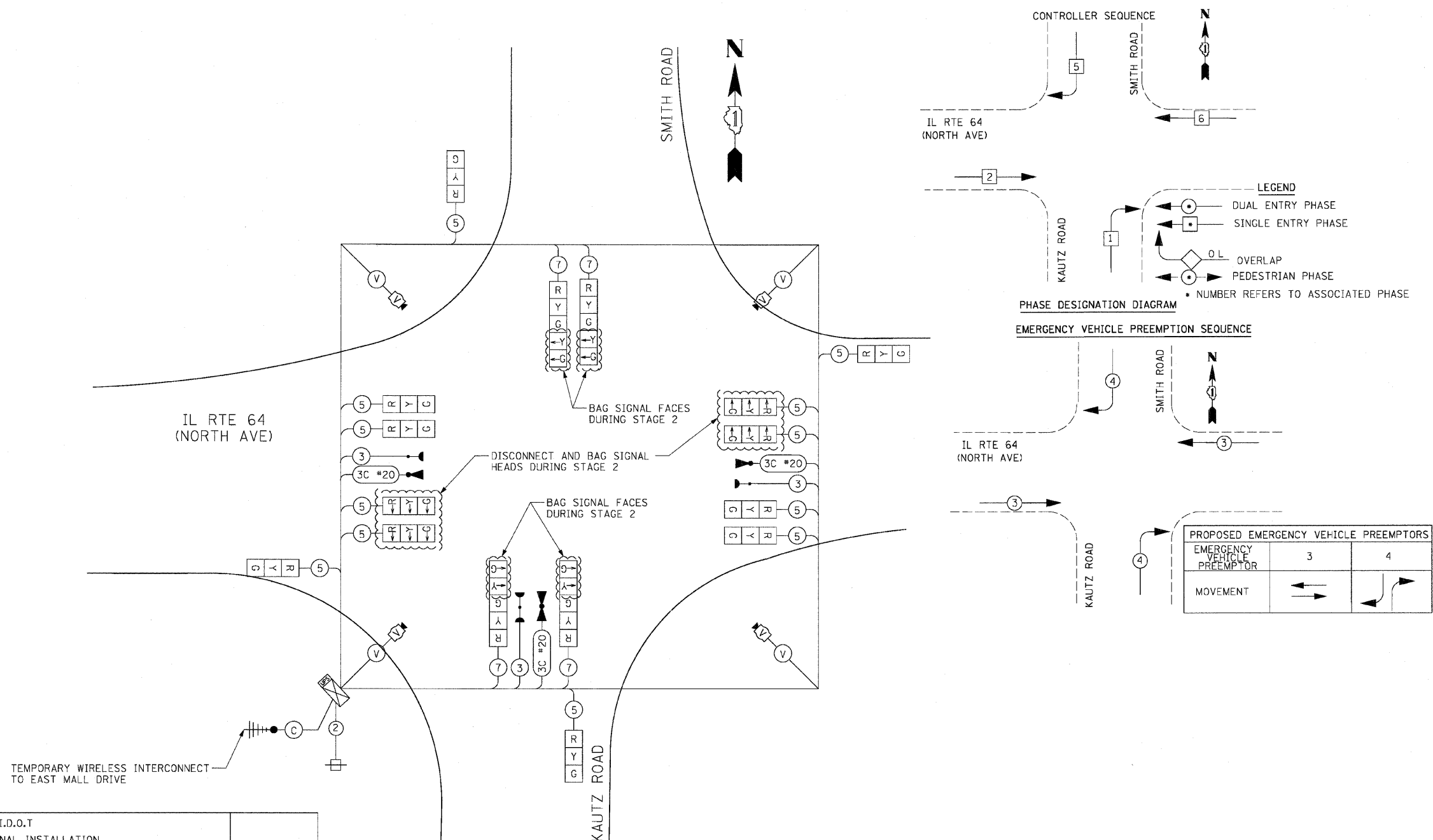


SHEET 5 OF 9

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
NAME	DATE	
		IL RTE 64 AND SMITH/KAUTZ ROAD TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN STAGE 2
SCALE: 1"=20'		DRAWN BY: JS DESIGN BY: JS CHECKED BY: WP
DATE: NOVEMBER 1, 2011		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	342
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



CABLE PLAN
NOT TO SCALE

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12	17		50	102.00
(YELLOW)	12		25	25	75.00
(GREEN)	12		15	25	45.00
ARROW	8		12	10	9.60
PED. SIGNAL	0		25	100	0.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER				50	--
TOTAL =					481.60

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

ENERGY SUPPLY CONTACT: THOMAS BRUHL
 PHONE: (630) 377-4401
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

SHEET 6 OF 9

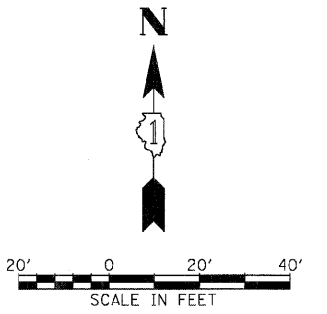
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 & SMITH/KAUTZ ROAD
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGE 2

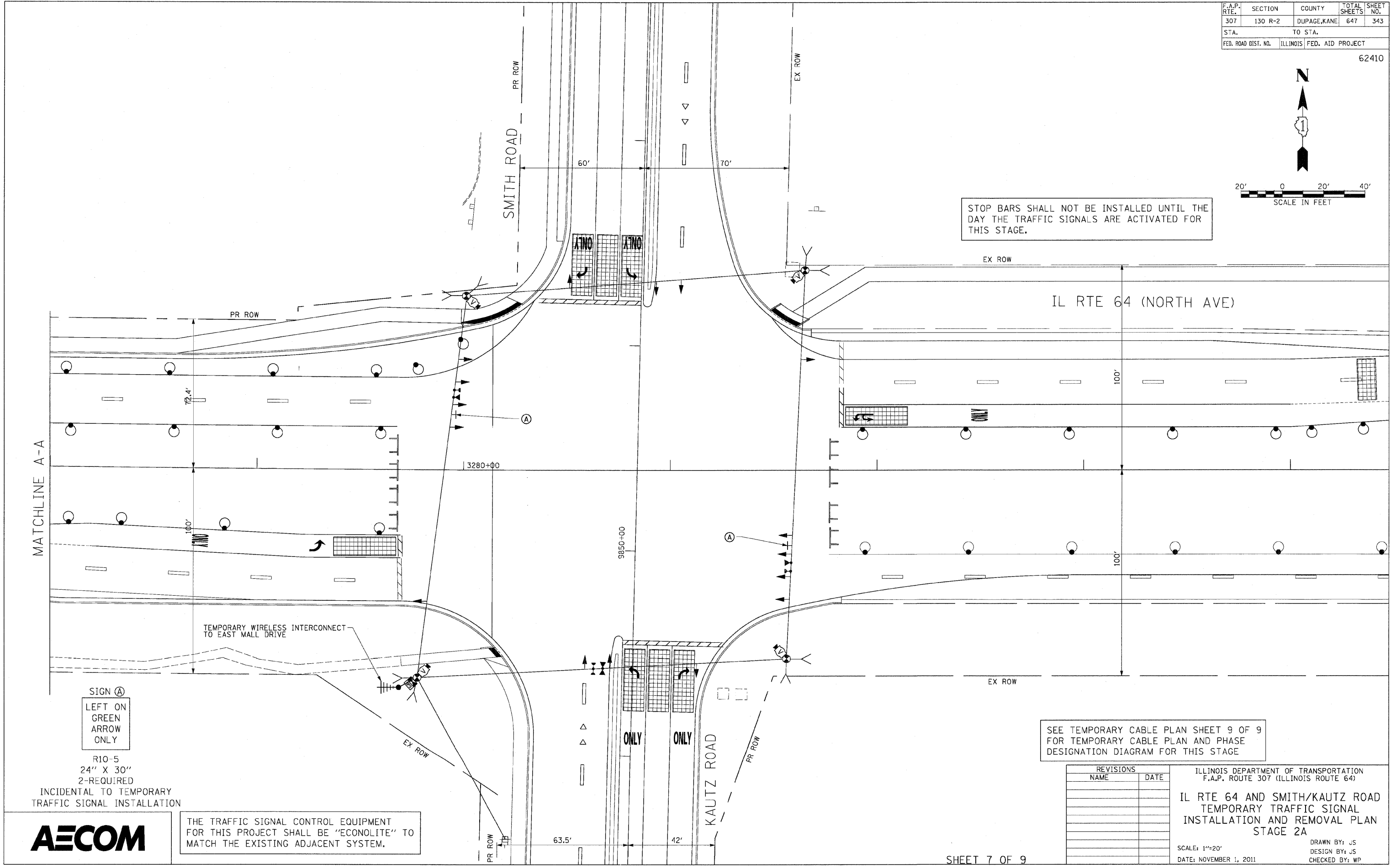
SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	343
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		62410		



STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.



MATCHLINE A-A

SIGN (A)
 LEFT ON GREEN ARROW ONLY

R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

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

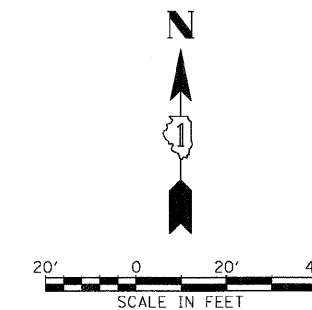
SEE TEMPORARY CABLE PLAN SHEET 9 OF 9 FOR TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM FOR THIS STAGE

REVISIONS	
NAME	DATE

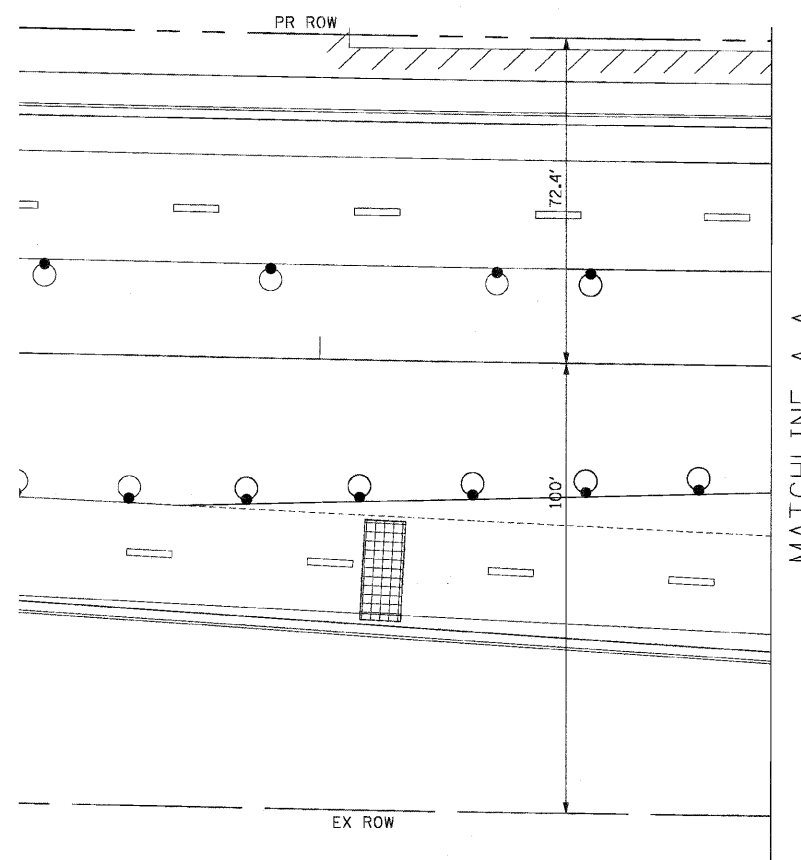
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
**IL RTE 64 AND SMITH/KAUTZ ROAD
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 STAGE 2A**
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	344
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		62410	



IL RTE 64 (NORTH AVE)



MATCHLINE A-A



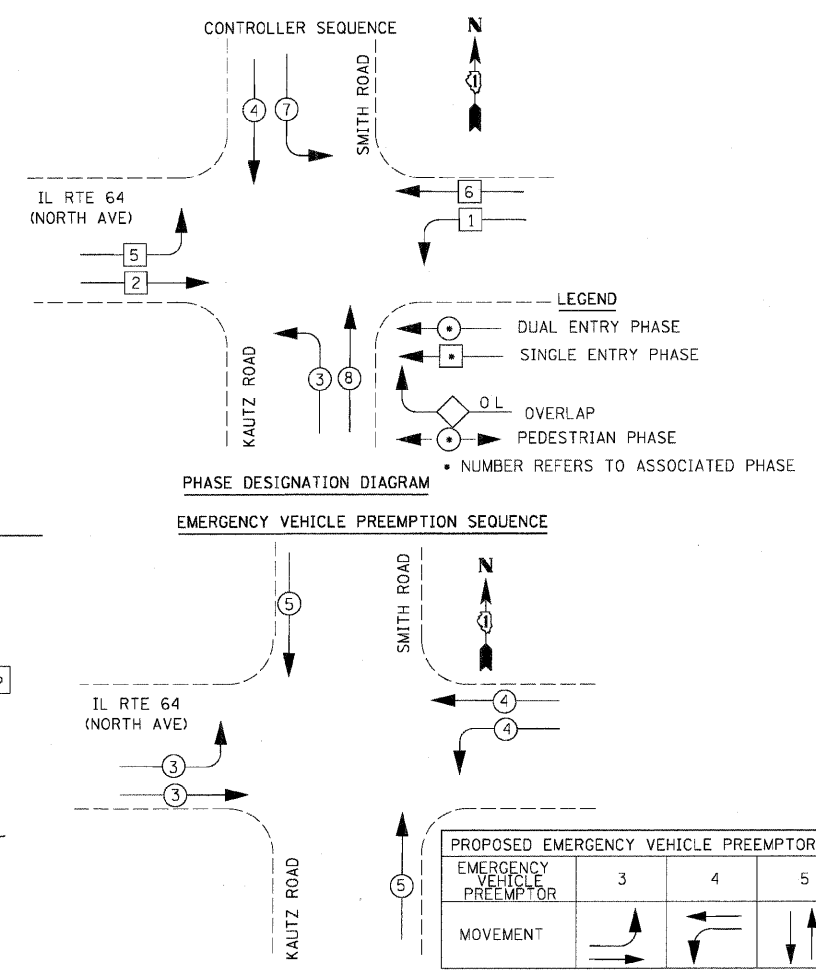
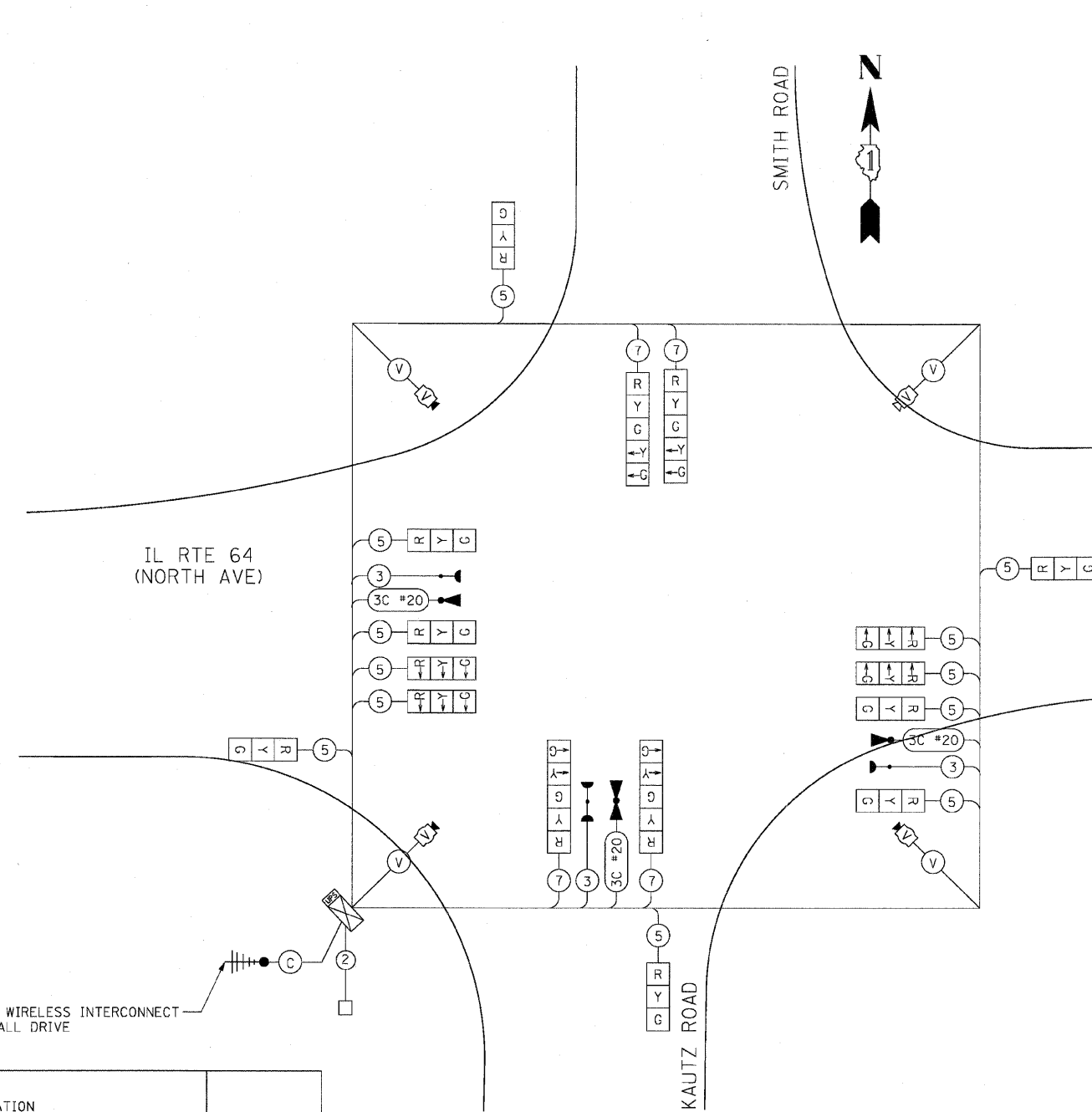
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
NAME	DATE	
		IL RTE 64 AND SMITH/KAUTZ ROAD TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN STAGE 2A

SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	345
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

CABLE PLAN
NOT TO SCALE

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12		17	50	102.00
(YELLOW)	12		25	25	75.00
(GREEN)	12		15	25	45.00
ARROW	20		12	10	24.00
PED. SIGNAL	0		25	100	0.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER				50	--
TOTAL =					496.00

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

ENERGY SUPPLY CONTACT: THOMAS BRUHL
 PHONE: (630) 377-4401
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 & SMITH/KAUTZ ROAD
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGES 1, 1A, & 2A

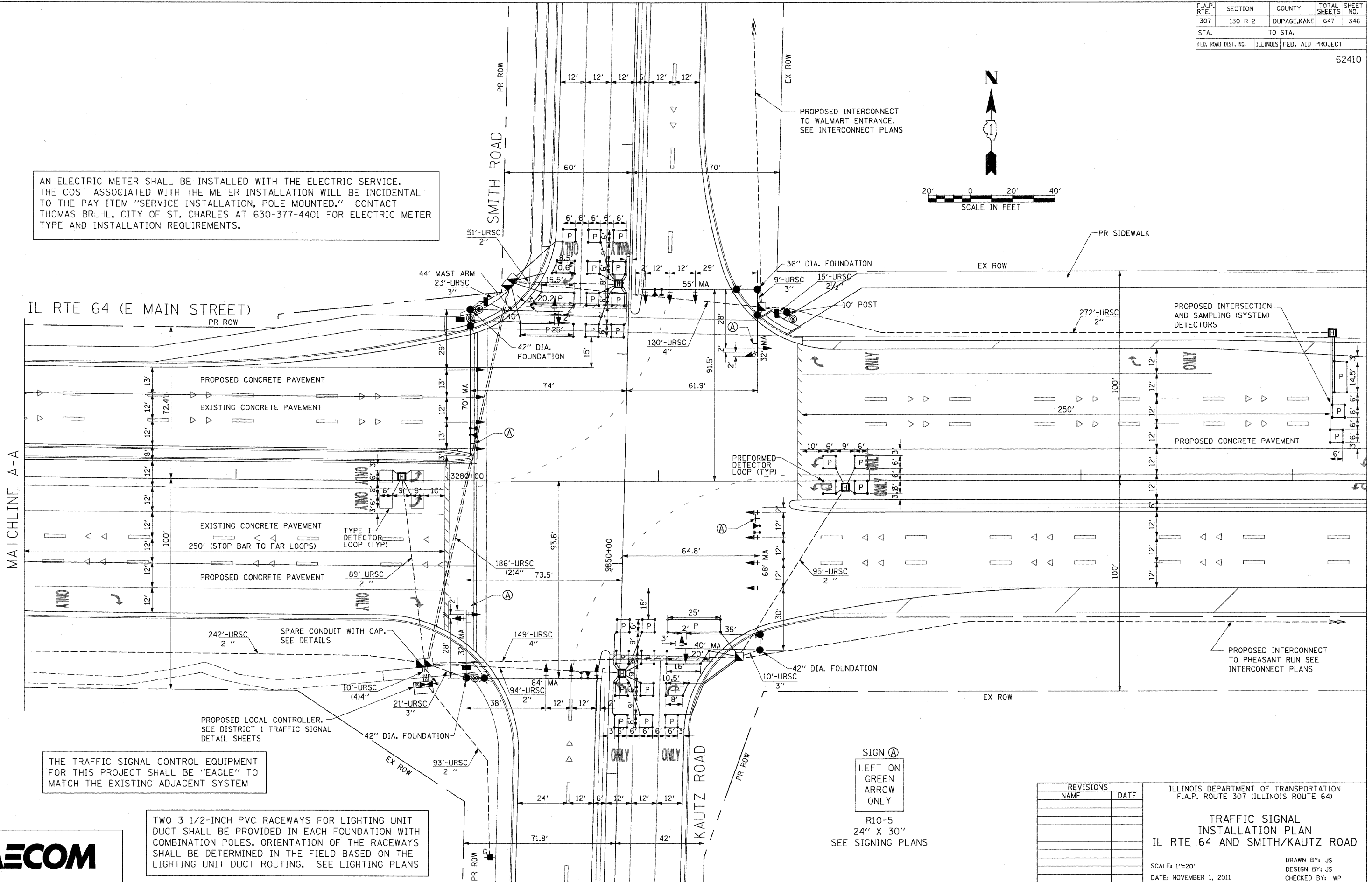
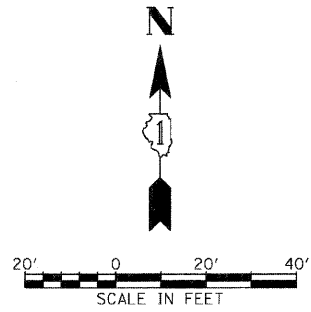
SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	346
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

62410

AN ELECTRIC METER SHALL BE INSTALLED WITH THE ELECTRIC SERVICE. THE COST ASSOCIATED WITH THE METER INSTALLATION WILL BE INCIDENTAL TO THE PAY ITEM "SERVICE INSTALLATION, POLE MOUNTED." CONTACT THOMAS BRUHL, CITY OF ST. CHARLES AT 630-377-4401 FOR ELECTRIC METER TYPE AND INSTALLATION REQUIREMENTS.



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

TWO 3 1/2-INCH PVC RACEWAYS FOR LIGHTING UNIT DUCT SHALL BE PROVIDED IN EACH FOUNDATION WITH COMBINATION POLES. ORIENTATION OF THE RACEWAYS SHALL BE DETERMINED IN THE FIELD BASED ON THE LIGHTING UNIT DUCT ROUTING. SEE LIGHTING PLANS

SIGN (A)
 LEFT ON GREEN
 ARROW
 ONLY

R10-5
 24" X 30"
 SEE SIGNING PLANS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

**TRAFFIC SIGNAL
 INSTALLATION PLAN**
 IL RTE 64 AND SMITH/KAUTZ ROAD

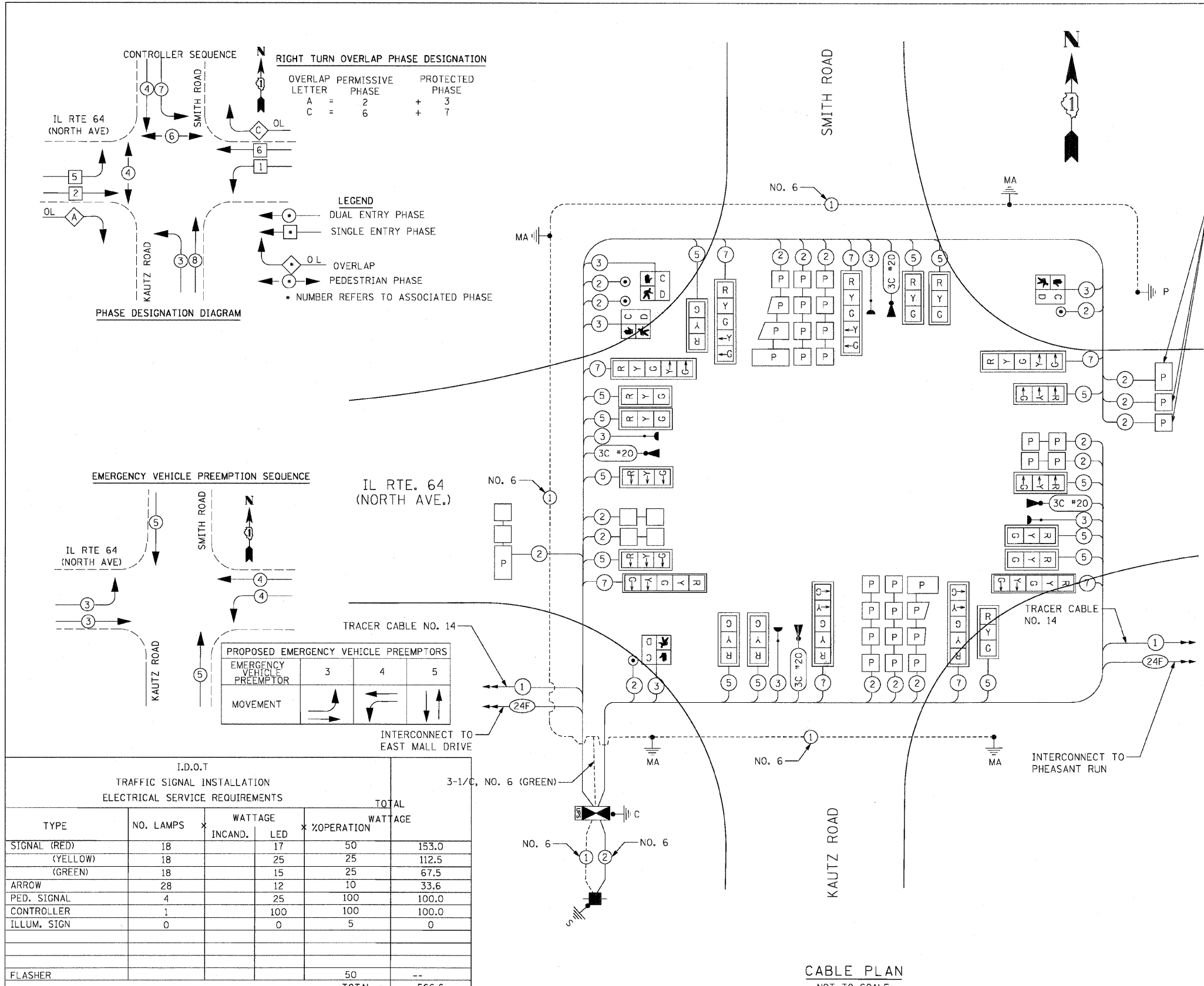
SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP



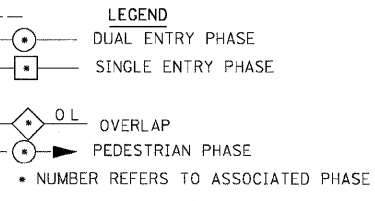
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	348
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



RIGHT TURN OVERLAP PHASE DESIGNATION

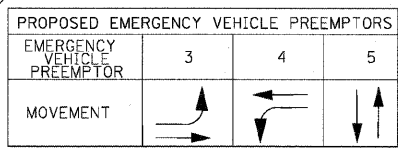
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7



SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
936	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
15	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
63	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
681	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
3	EACH	HANDHOLE
5	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
1	EACH	TRANSCIVER-FIBER OPTIC
960	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 2C
2165	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C
3970	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C
2215	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C
4219	FOOT	ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
113	FOOT	ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
807	FOOT	ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
16	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
71	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
14	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
8	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
22	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
14	EACH	INDUCTIVE LOOP DETECTOR
192	FOOT	DETECTOR LOOP, TYPE I
1516	FOOT	PREFORMED DETECTOR LOOP
4	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1177	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 55 FT. AND 32 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 64 FT. AND 32 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 68 FT. AND 40 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 70 FT. AND 44 FT.
•		100% COST TO CITY OF ST CHARLES

EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

TYPE	NO. LAMPS	WATTAGE		%OPERATION	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	18		17	50	153.0
(YELLOW)	18		25	25	112.5
(GREEN)	18		15	25	67.5
ARROW	28		12	10	33.6
PED. SIGNAL	4		25	100	100.0
CONTROLLER	1		100	100	100.0
ILLUM. SIGN	0		0	5	0
FLASHER				50	--
TOTAL =					566.6

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

ENERGY SUPPLY CONTACT: THOMAS BRUHL
 PHONE: (630) 377-4401
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

CABLE PLAN
 NOT TO SCALE

THE END OF TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

SEE LIGHTING PLANS FOR LIGHTING DETAILS

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

SCHEDULE OF QUANTITIES, CABLE PLAN
 IL ROUTE 64 AND SMITH/KAUTZ ROAD

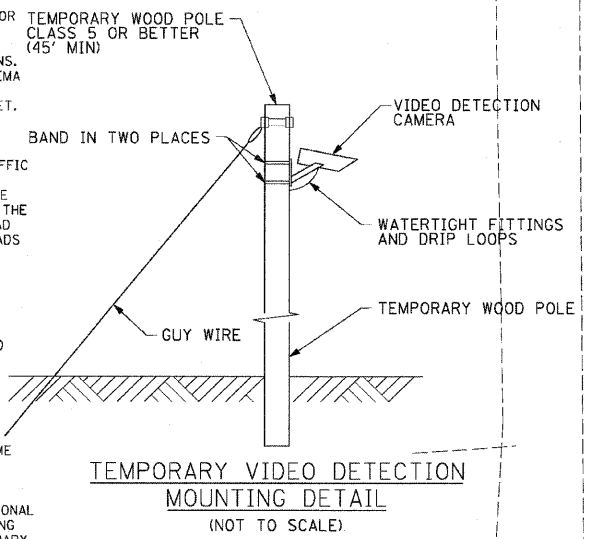
SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	349
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410

- NOTES FOR TEMPORARY TRAFFIC SIGNALS
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR
 2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
 3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTION SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
 4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
 5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
 6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON
 7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PER-EMPTION, OR WHEN INDICATED ON THE PLANS.

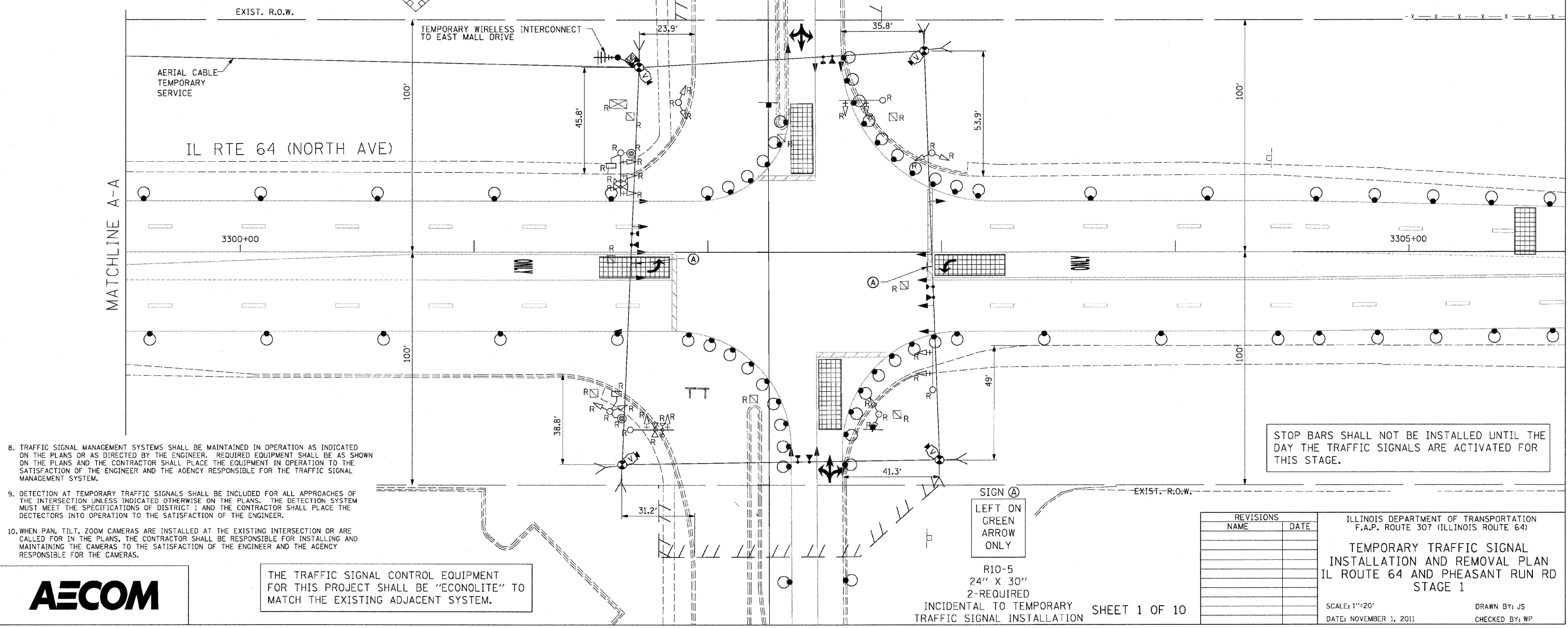
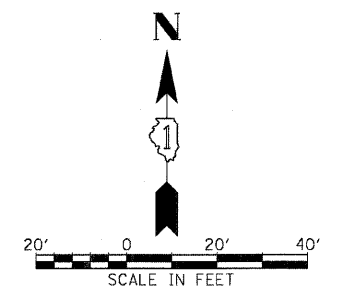


THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF ST. CHARLES AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY'S MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 2.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT
- 1.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT

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

- 1.0 EACH CONTROLLER AND CABINET (COMPLETE)
- 1.0 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8.0 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 4.0 EACH SIGNAL HEAD, 2-FACE, 5-SECTION
- 2.0 EACH PEDESTRIAN SIGNAL HEAD
- 2.0 EACH PUSHBUTTONS
- 4.0 EACH MAST ARM ASSEMBLYS
- 4.0 EACH SIGNAL POST
- 1.0 EACH ELECTRICAL SERVICE



8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.



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

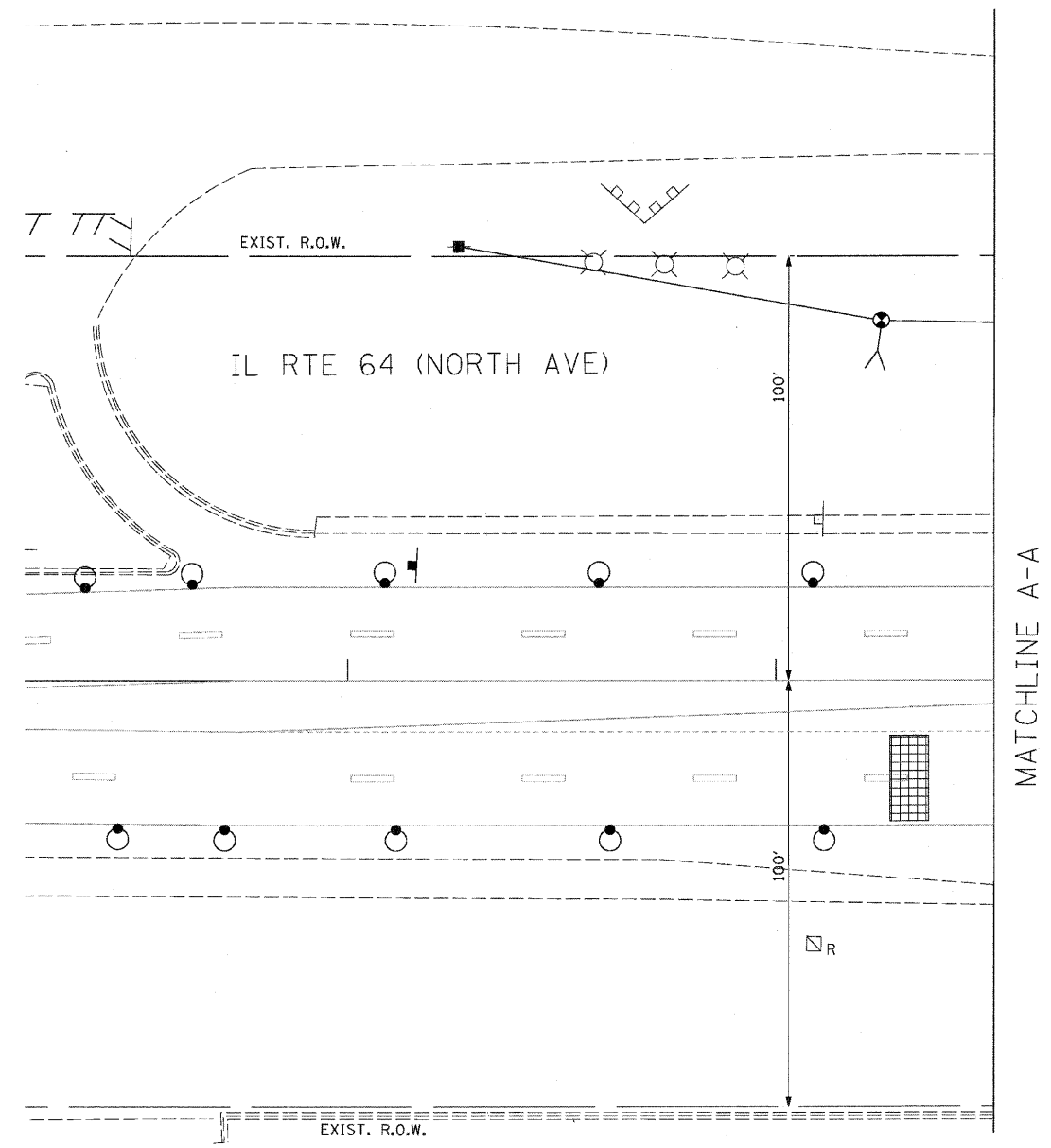
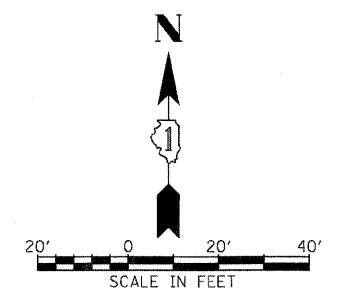
SIGN A
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND PHEASANT RUN RD
 STAGE 1
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	350
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

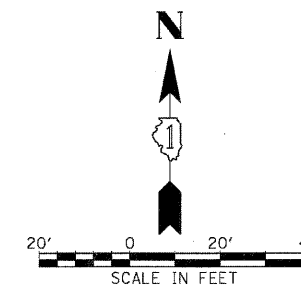


SHEET 2 OF 10

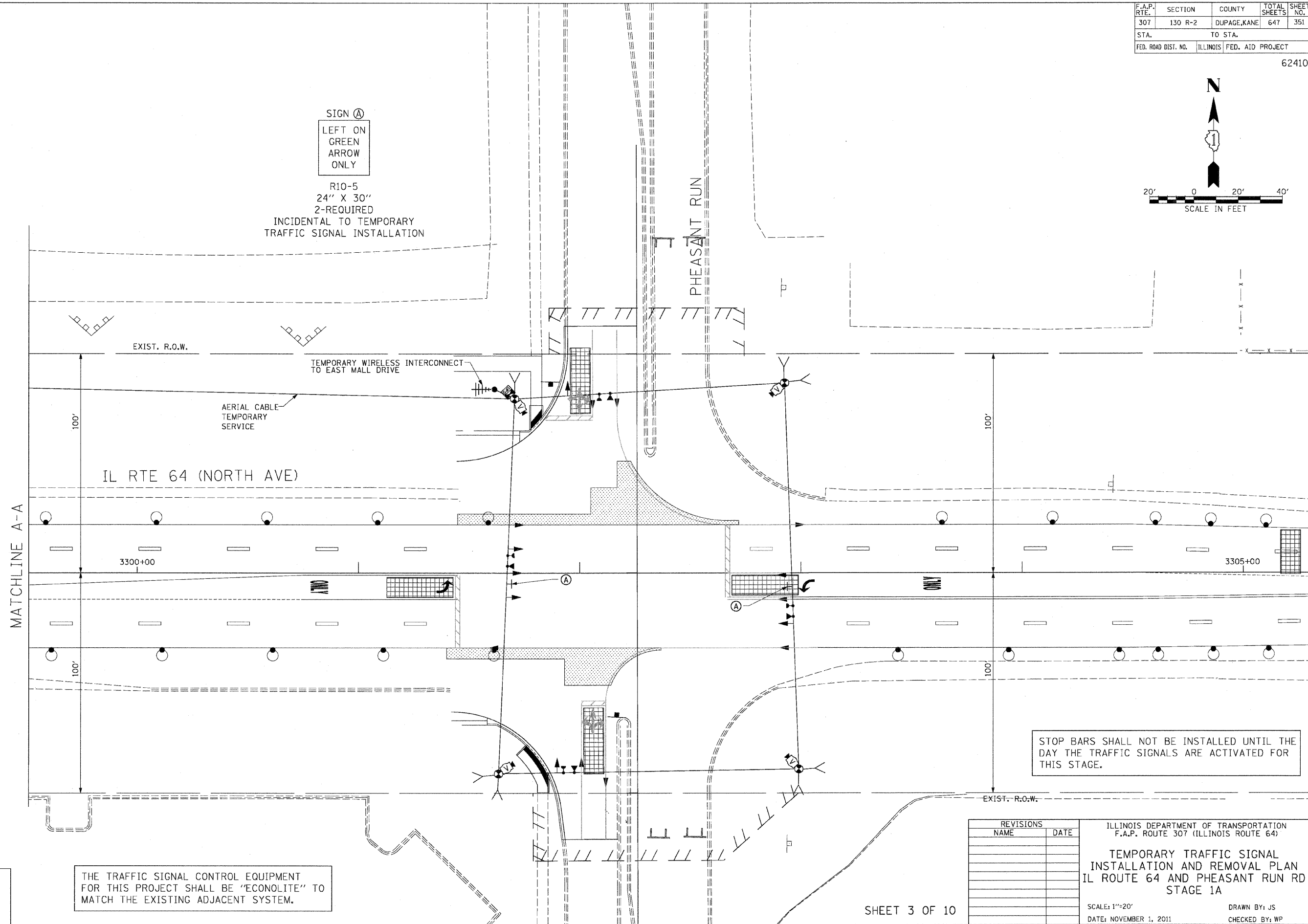
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
NAME	DATE	
		TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN IL ROUTE 64 AND PHEASANT RUN RD STAGE 1
SCALE: 1"=20'		DRAWN BY: JS
DATE: NOVEMBER 1, 2011		CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	351
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



SIGN (A)
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.

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

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND PHEASANT RUN RD
 STAGE 1A

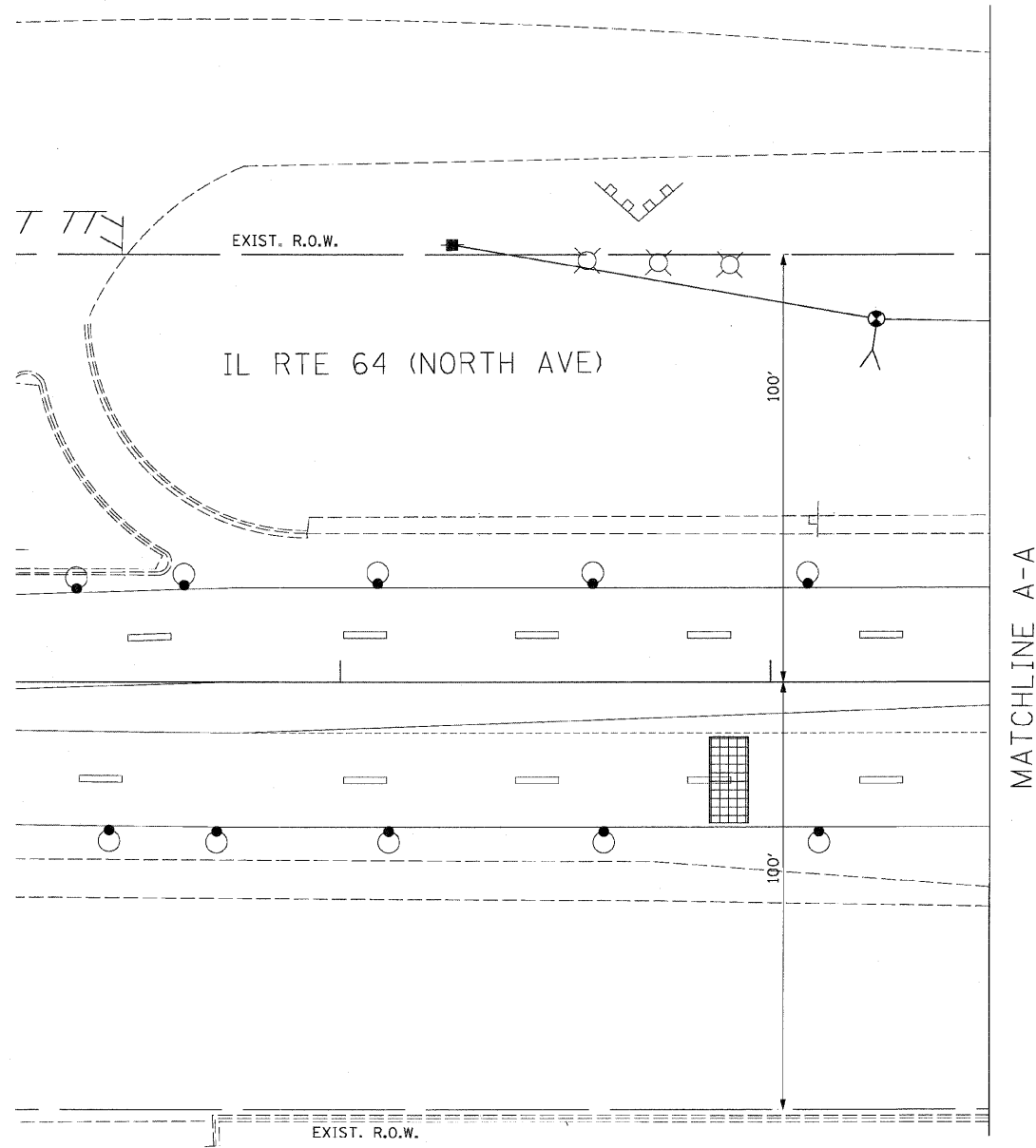
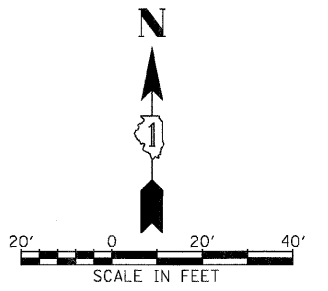
SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

SHEET 3 OF 10



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	352
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



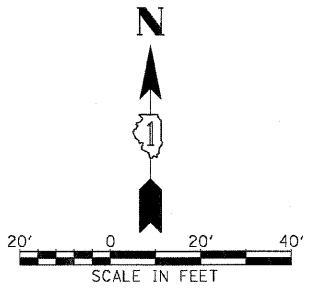
SHEET 4 OF 10

REVISIONS	
NAME	DATE

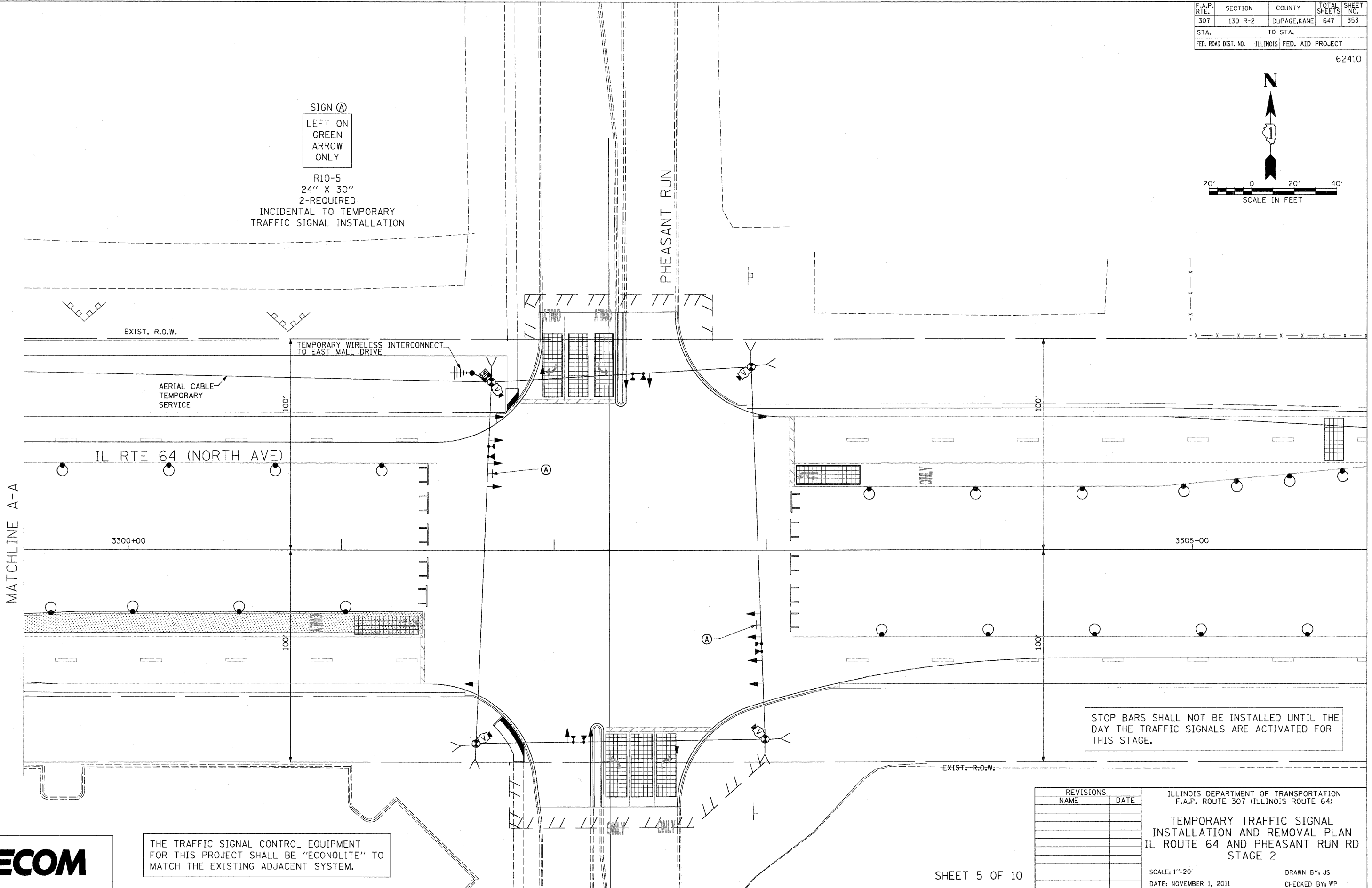
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND PHEASANT RUN RD
 STAGE 1A
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	353
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



SIGN (A)
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.

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

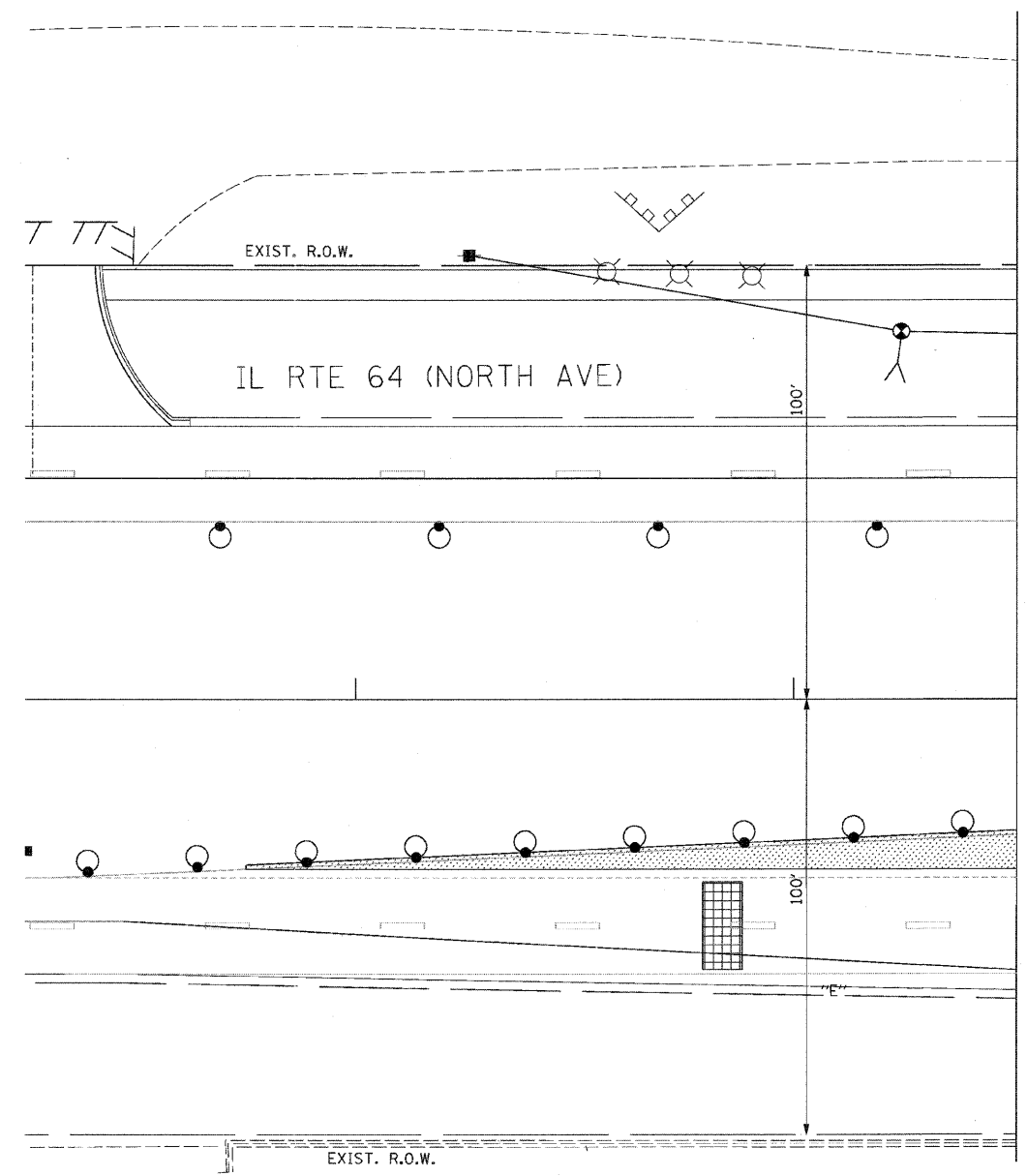
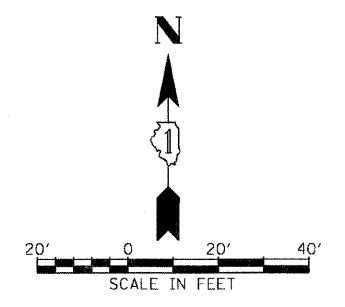
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND PHEASANT RUN RD
 STAGE 2
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	354
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



SHEET 6 OF 10

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

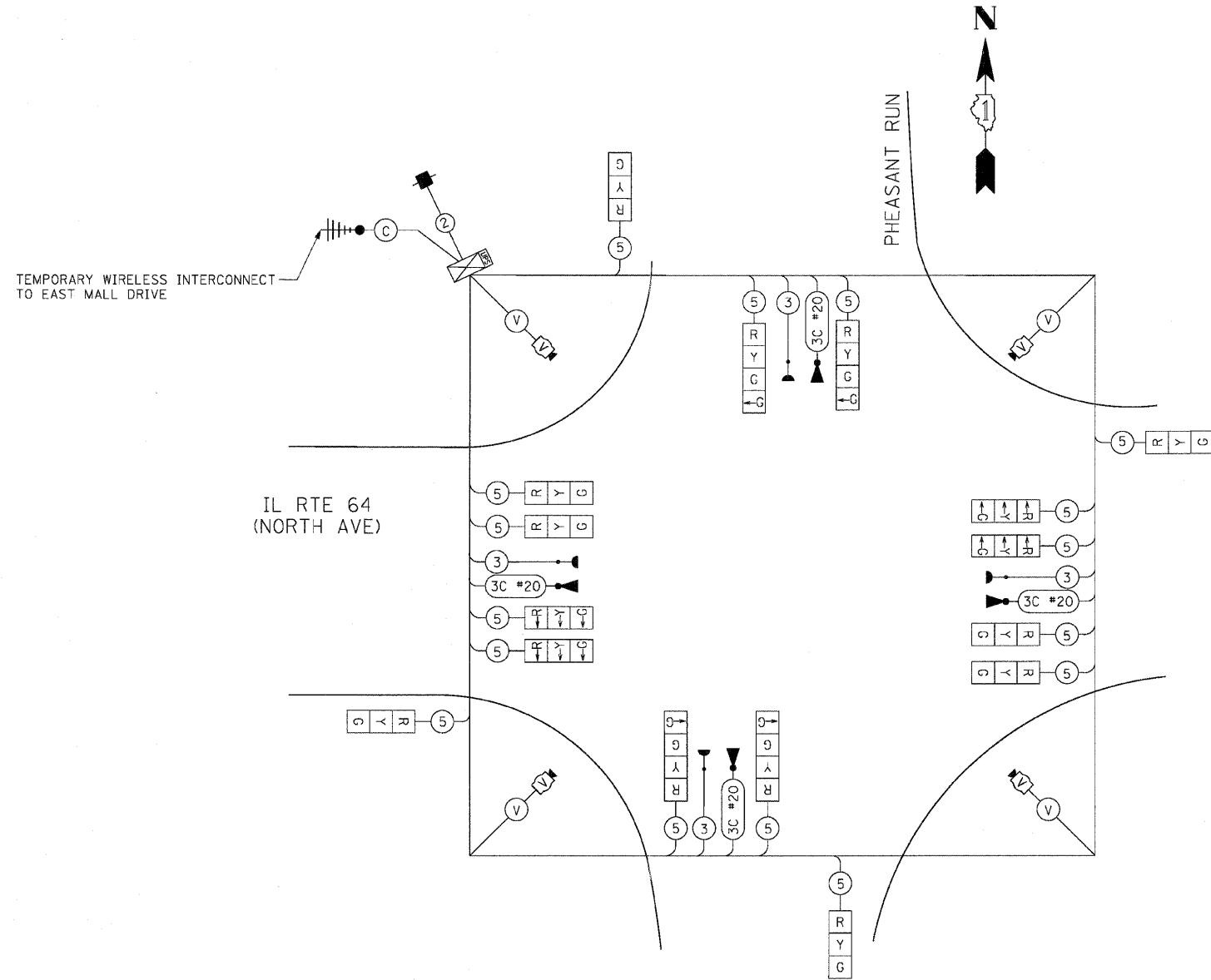
TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND PHEASANT RUN RD
 STAGE 2

SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011

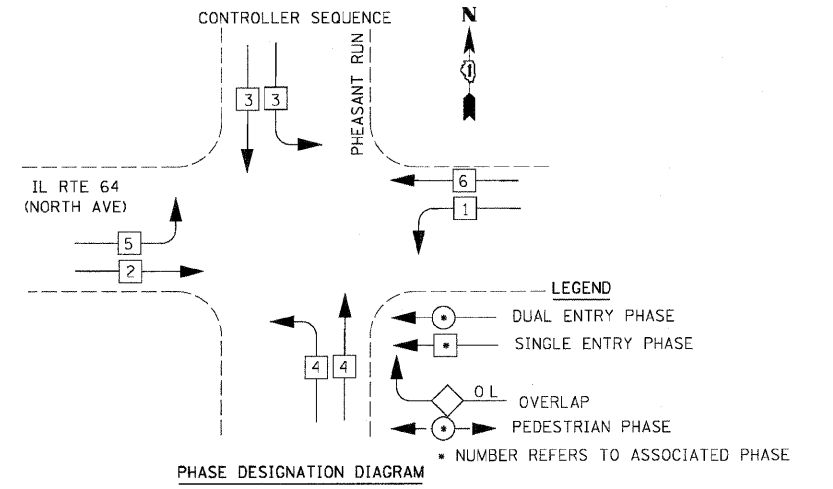
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

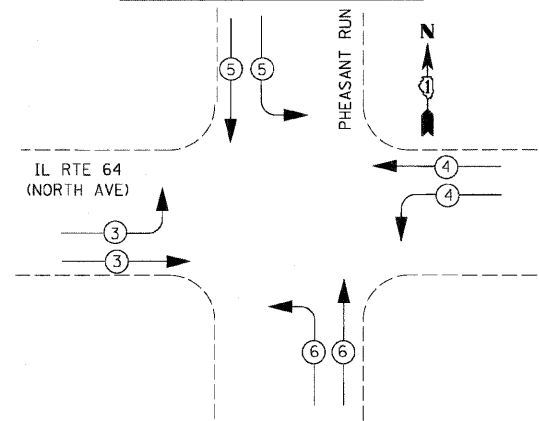
62410



CABLE PLAN
 NOT TO SCALE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		17	50	102.00
(YELLOW)	12		25	25	75.00
(GREEN)	12		15	25	45.00
ARROW	16		12	10	19.20
PED. SIGNAL	0		25	100	0.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER				50	--
TOTAL =					491.20

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: THOMAS BRUHL
 PHONE: (630) 377-4401
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

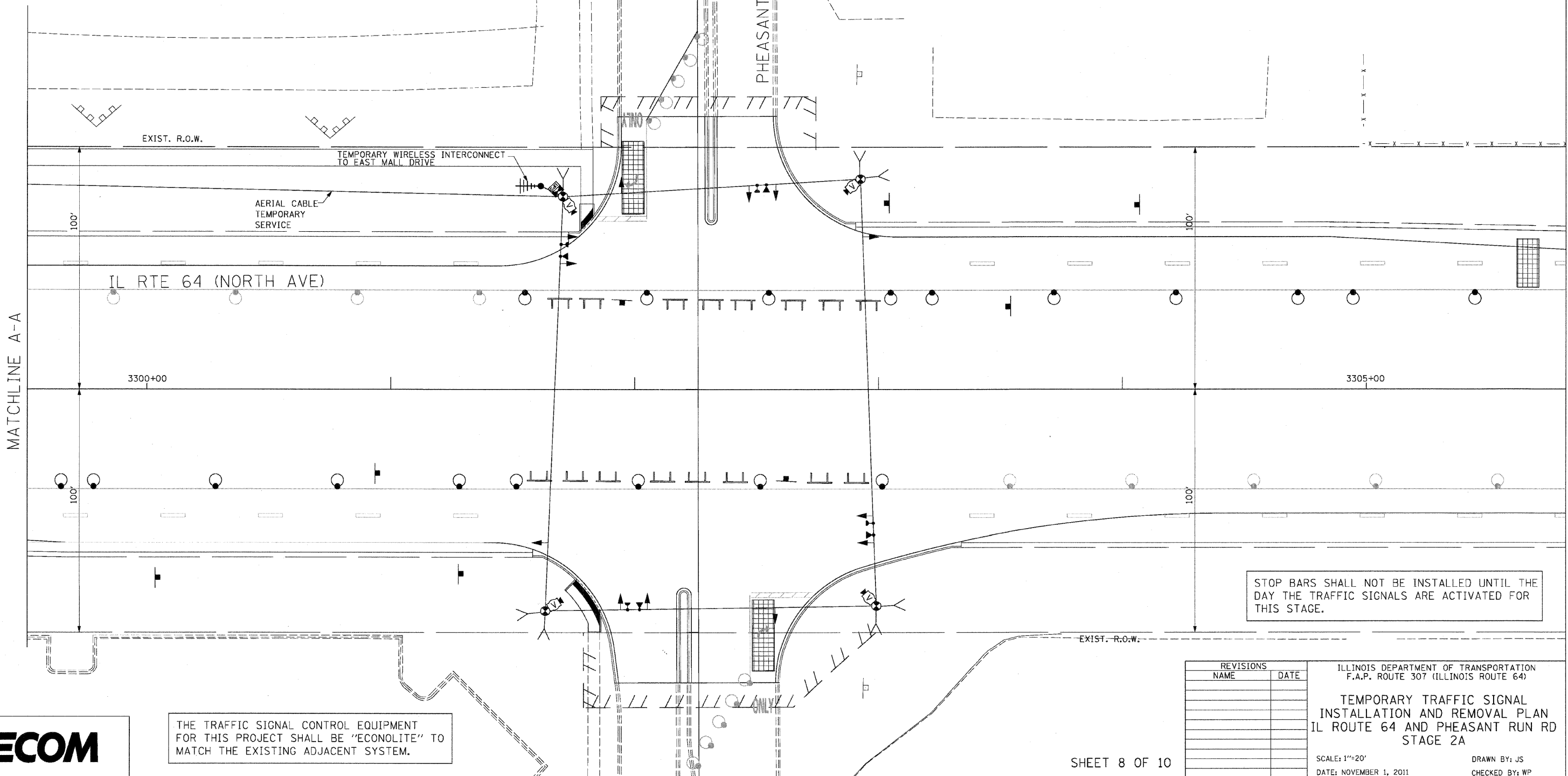
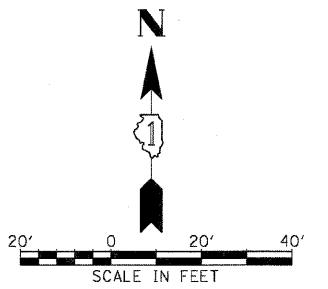
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 & PHEASANT RUN
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGES 1, 1A, & 2
 SCALE: NONE
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	356
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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CROSS MEDIAN ACCESS WILL NOT BE ALLOWED DURING STAGE 2A. CROSS MEDIAN TRAFFIC WILL BE DETOURED TO AN ADJACENT INTERSECTION OR MEDIAN OPENING WITH U-TURN ACCESS. EASTBOUND AND WESTBOUND LEFT TURN SIGNALS SHALL BE DISCONNECTED AND BAGGED DURING STAGE 2A. SEE TEMPORARY PHASE DESIGNATION DIAGRAM (SHEET 10 OF 10) FOR STAGE 2A SIGNAL PHASING.



STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.

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

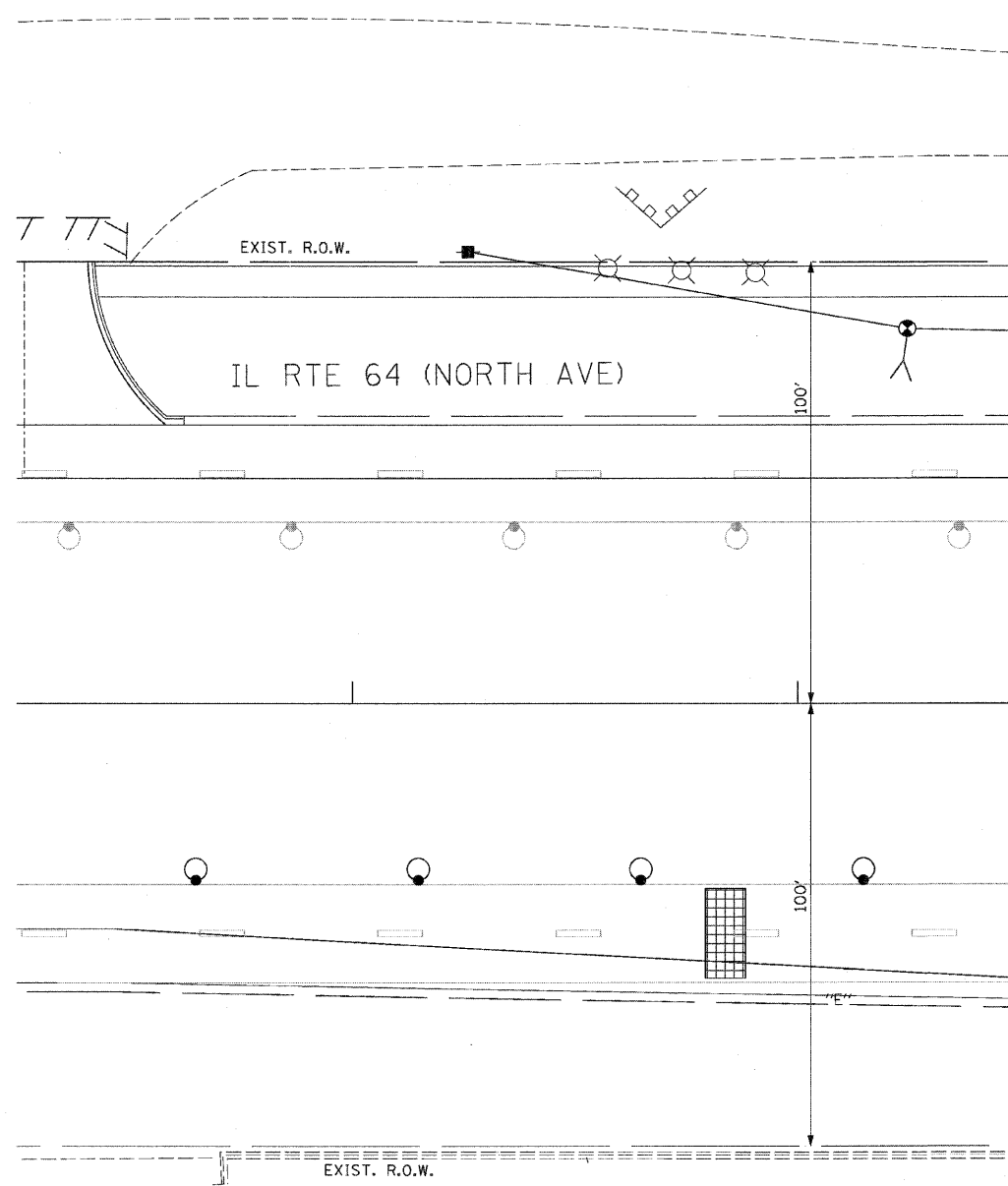
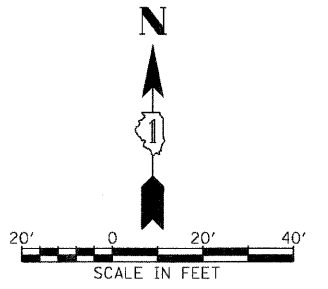
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND PHEASANT RUN RD
 STAGE 2A
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	357
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



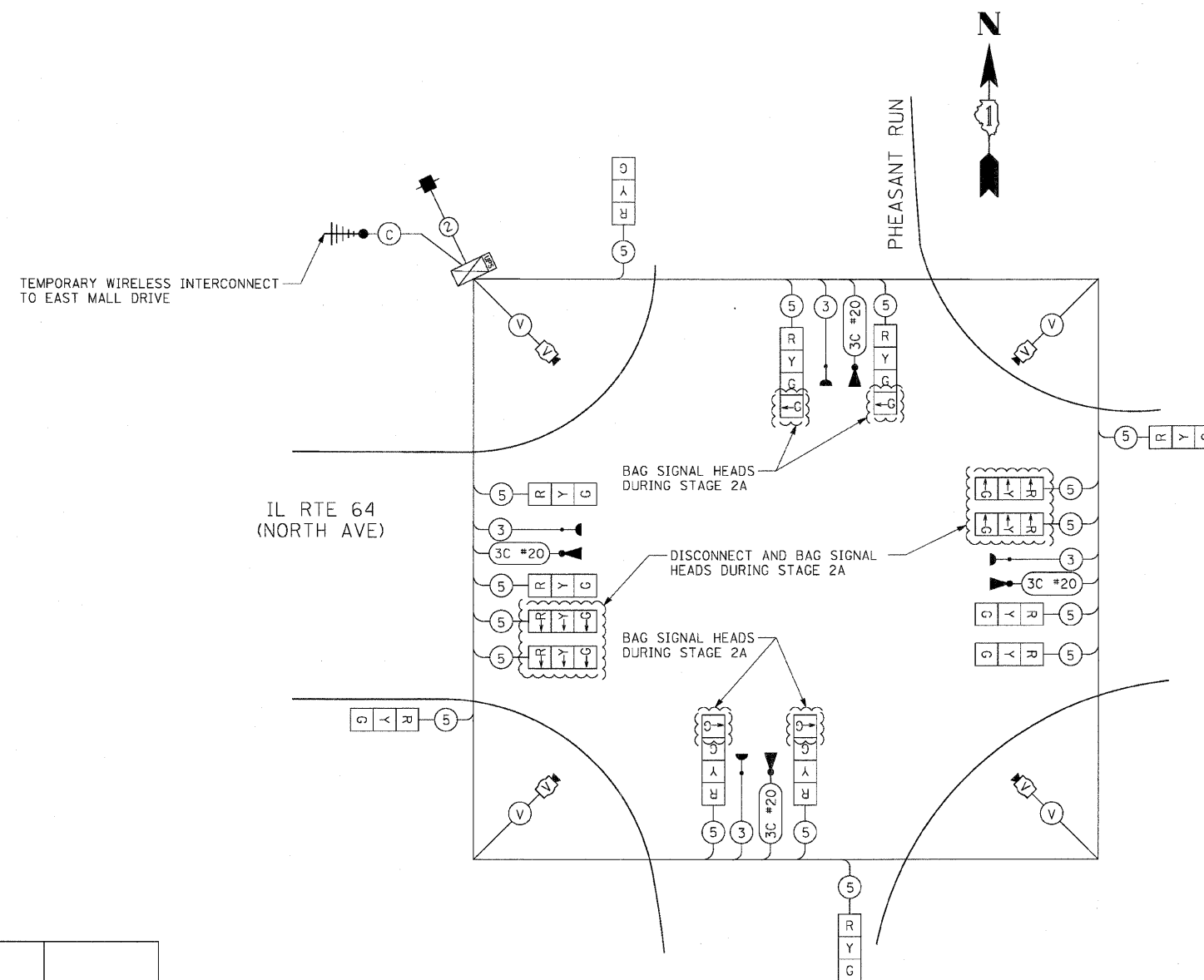
SHEET 9 OF 10

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
NAME	DATE	
		TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN IL ROUTE 64 AND PHEASANT RUN RD STAGE 2A

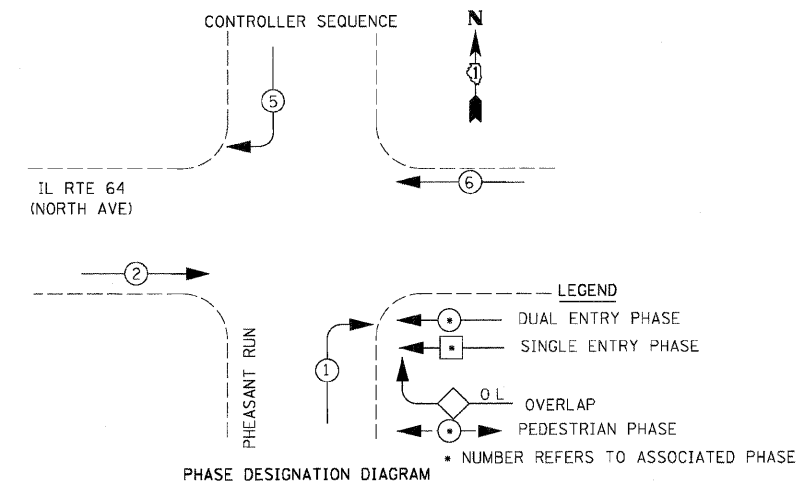
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 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	358
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

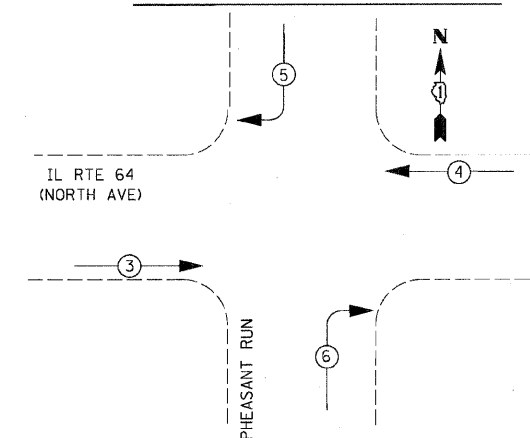
62410



CABLE PLAN
 NOT TO SCALE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	←	↙	↘

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12	17	50		102.00
(YELLOW)	12	25	25		75.00
(GREEN)	12	15	25		45.00
ARROW	4	12	10		4.80
PED. SIGNAL	0		25	100	0.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER				50	--
TOTAL =					476.80

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096

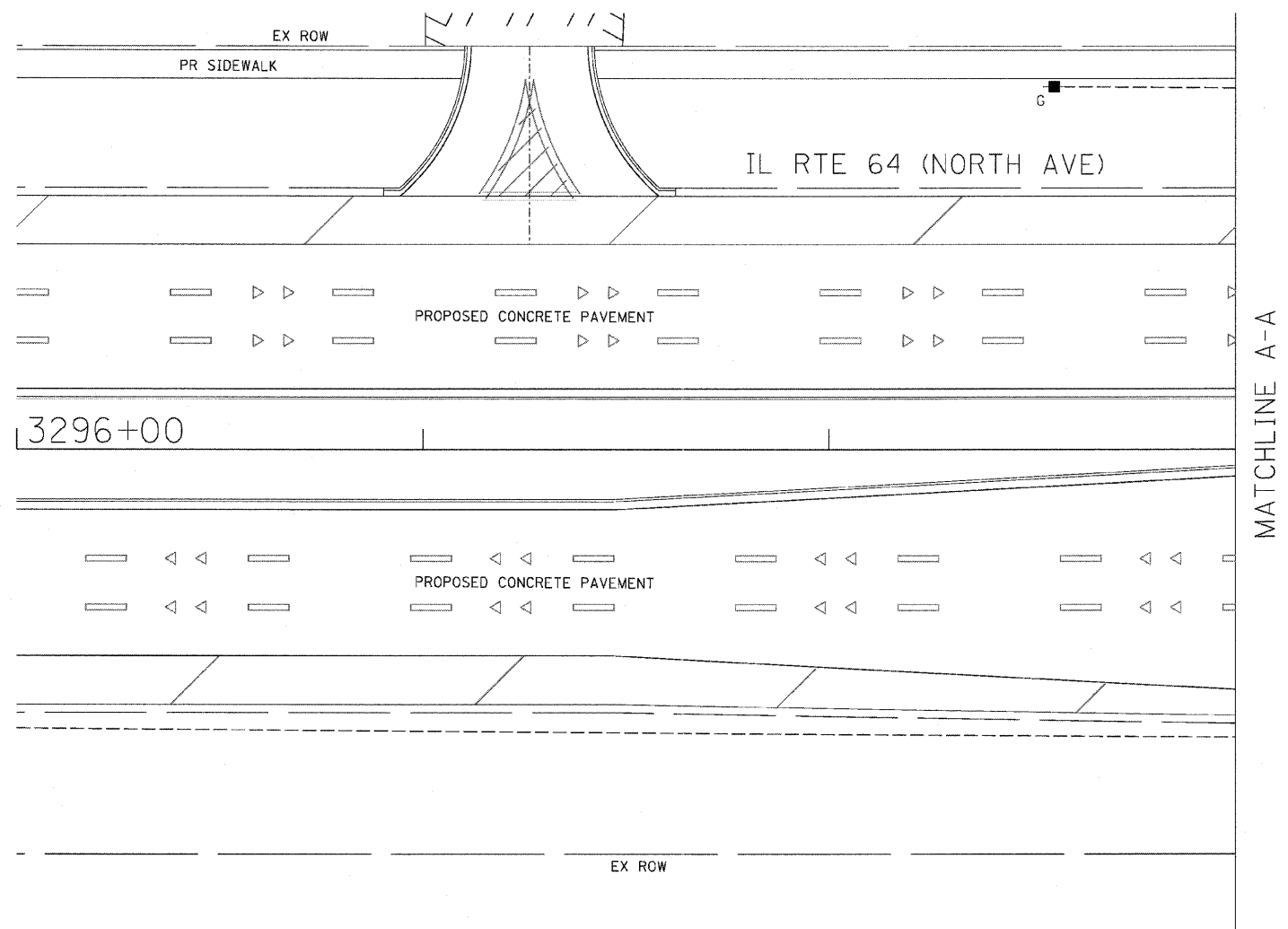
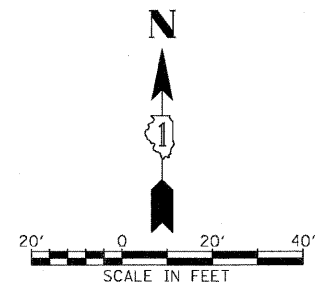
ENERGY SUPPLY CONTACT: THOMAS BRUHL
 PHONE: (630) 377-4401
 COMPANY: ST. CHARLES ELECTRICAL DEPARTMENT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 & PHEASANT RUN
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGE 2A
 SCALE: NONE
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	360
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410

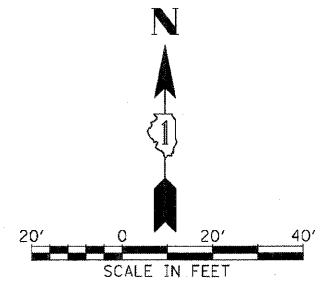


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 307 (ILLINOIS ROUTE 64) IL RTE 64 (NORTH AVE) AND PHEASANT RUN TRAFFIC SIGNAL MODERNIZATION PLAN
NAME	DATE	

SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	362
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

62410



CONSTRUCTION NOTES:

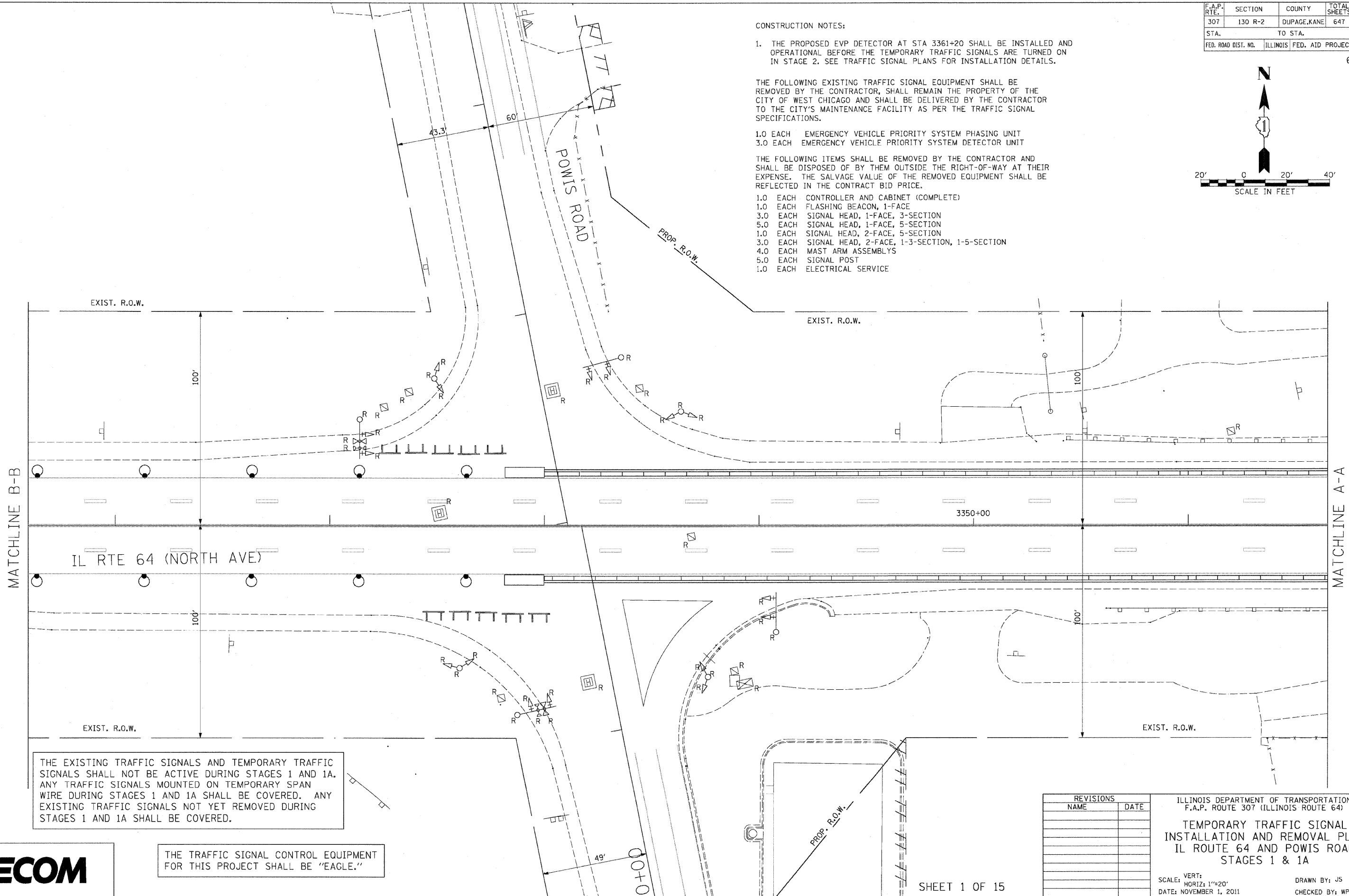
1. THE PROPOSED EVP DETECTOR AT STA 3361+20 SHALL BE INSTALLED AND OPERATIONAL BEFORE THE TEMPORARY TRAFFIC SIGNALS ARE TURNED ON IN STAGE 2. SEE TRAFFIC SIGNAL PLANS FOR INSTALLATION DETAILS.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF WEST CHICAGO AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY'S MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT
- 3.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT

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

- 1.0 EACH CONTROLLER AND CABINET (COMPLETE)
- 1.0 EACH FLASHING BEACON, 1-FACE
- 3.0 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 5.0 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1.0 EACH SIGNAL HEAD, 2-FACE, 5-SECTION
- 3.0 EACH SIGNAL HEAD, 2-FACE, 1-3-SECTION, 1-5-SECTION
- 4.0 EACH MAST ARM ASSEMBLYS
- 5.0 EACH SIGNAL POST
- 1.0 EACH ELECTRICAL SERVICE



THE EXISTING TRAFFIC SIGNALS AND TEMPORARY TRAFFIC SIGNALS SHALL NOT BE ACTIVE DURING STAGES 1 AND 1A. ANY TRAFFIC SIGNALS MOUNTED ON TEMPORARY SPAN WIRE DURING STAGES 1 AND 1A SHALL BE COVERED. ANY EXISTING TRAFFIC SIGNALS NOT YET REMOVED DURING STAGES 1 AND 1A SHALL BE COVERED.

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

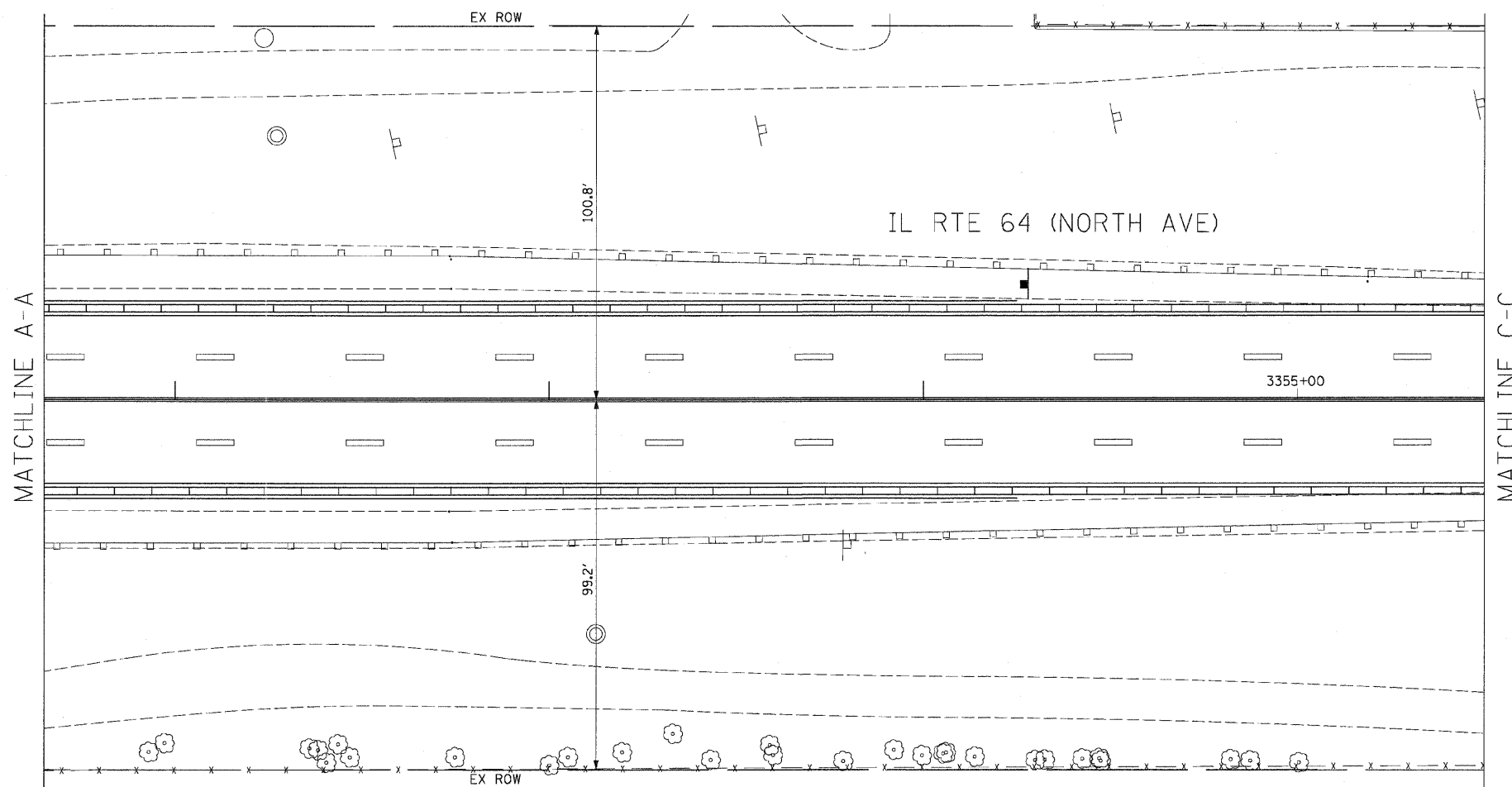
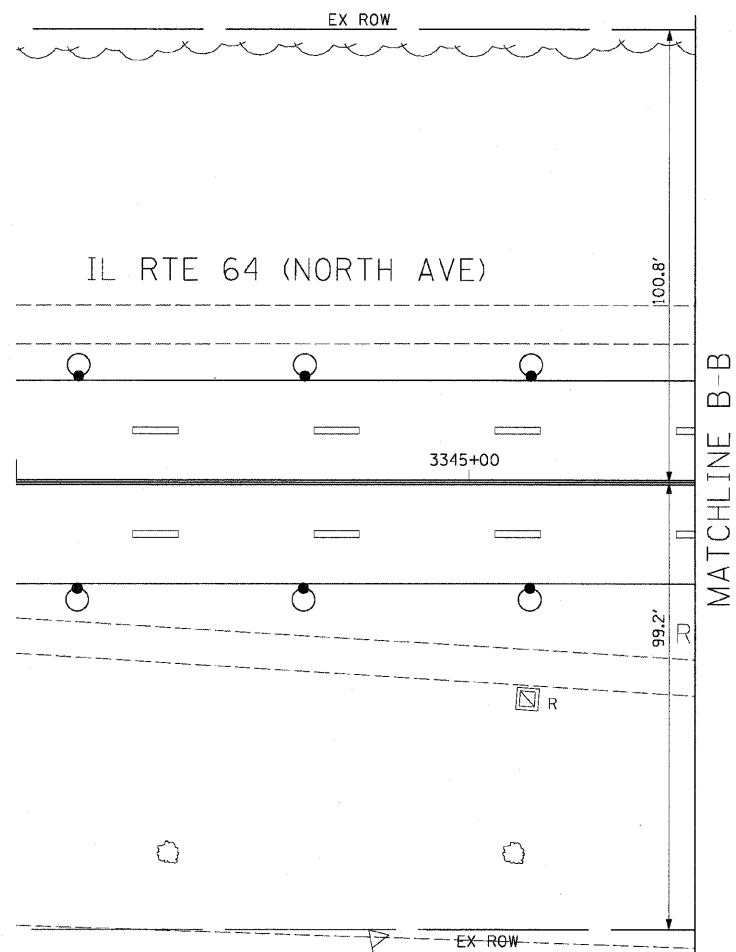
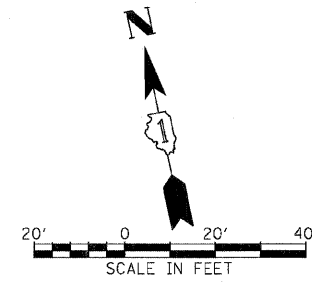
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
**TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 STAGES 1 & 1A**
 SCALE: VERT: 1"=20'
 HORIZ: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	363
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410

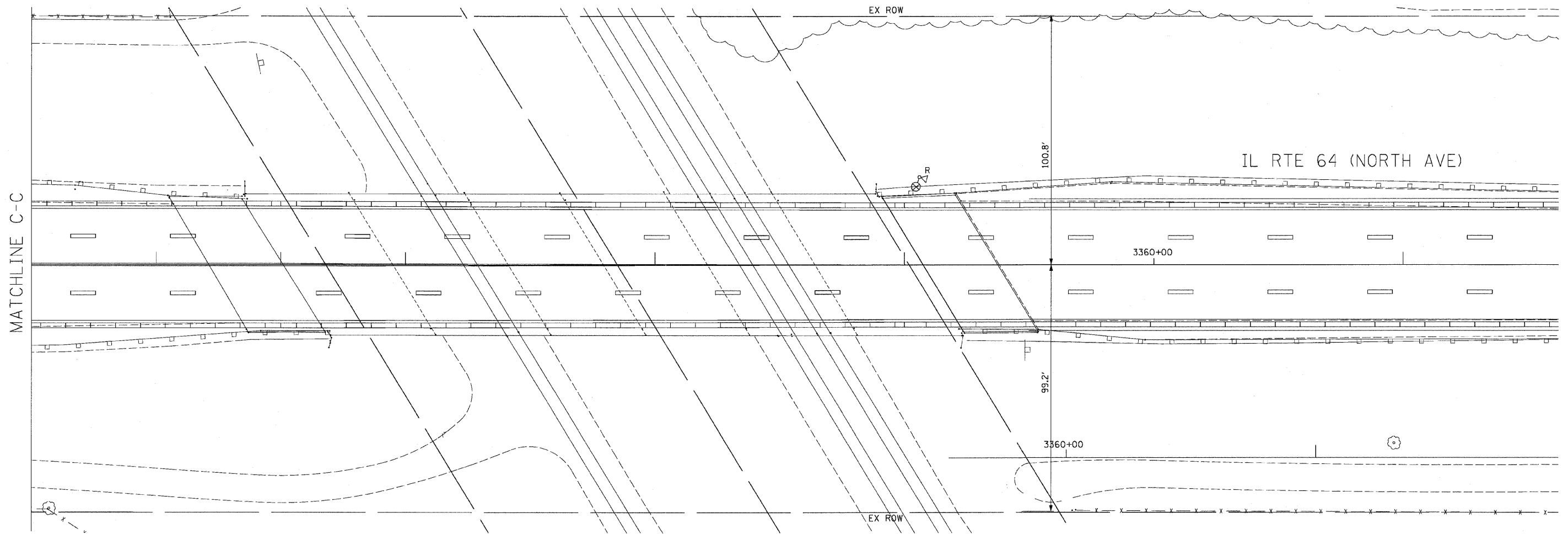
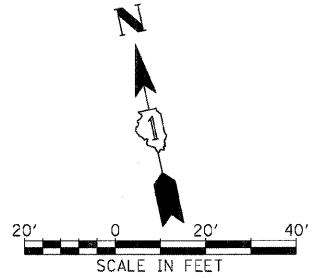


SHEET 2 OF 15

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
**TEMPORARY TRAFFIC SIGNAL
INSTALLATION AND REMOVAL PLAN
IL ROUTE 64 AND POWIS ROAD
STAGES 1 & 1A**
DRAWN BY: JS
DESIGN BY: JS
CHECKED BY: WP
SCALE: 1"=20'
DATE: NOVEMBER 1, 2011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	364
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
				62410



SHEET 3 OF 15

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 STAGES 1 & 1A
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTION SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PER-EMPTION, OR WHEN INDICATED ON THE PLANS.

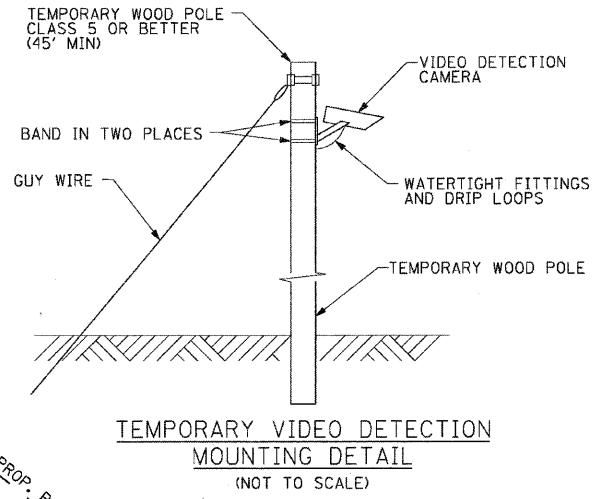
STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.

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

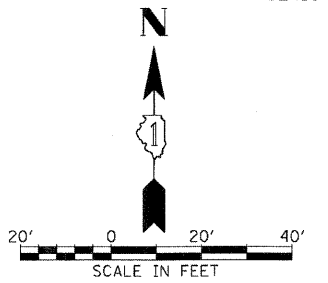
THE ADVANCED EVP DETECTOR (SEE SHEET 6 OF 15) SHALL BE INSTALLED AND OPERATIONAL PRIOR TO TURN-ON OF STAGE 2 TEMPORARY TRAFFIC SIGNALS. SEE TRAFFIC SIGNAL PLANS FOR INSTALLATION DETAILS.

8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

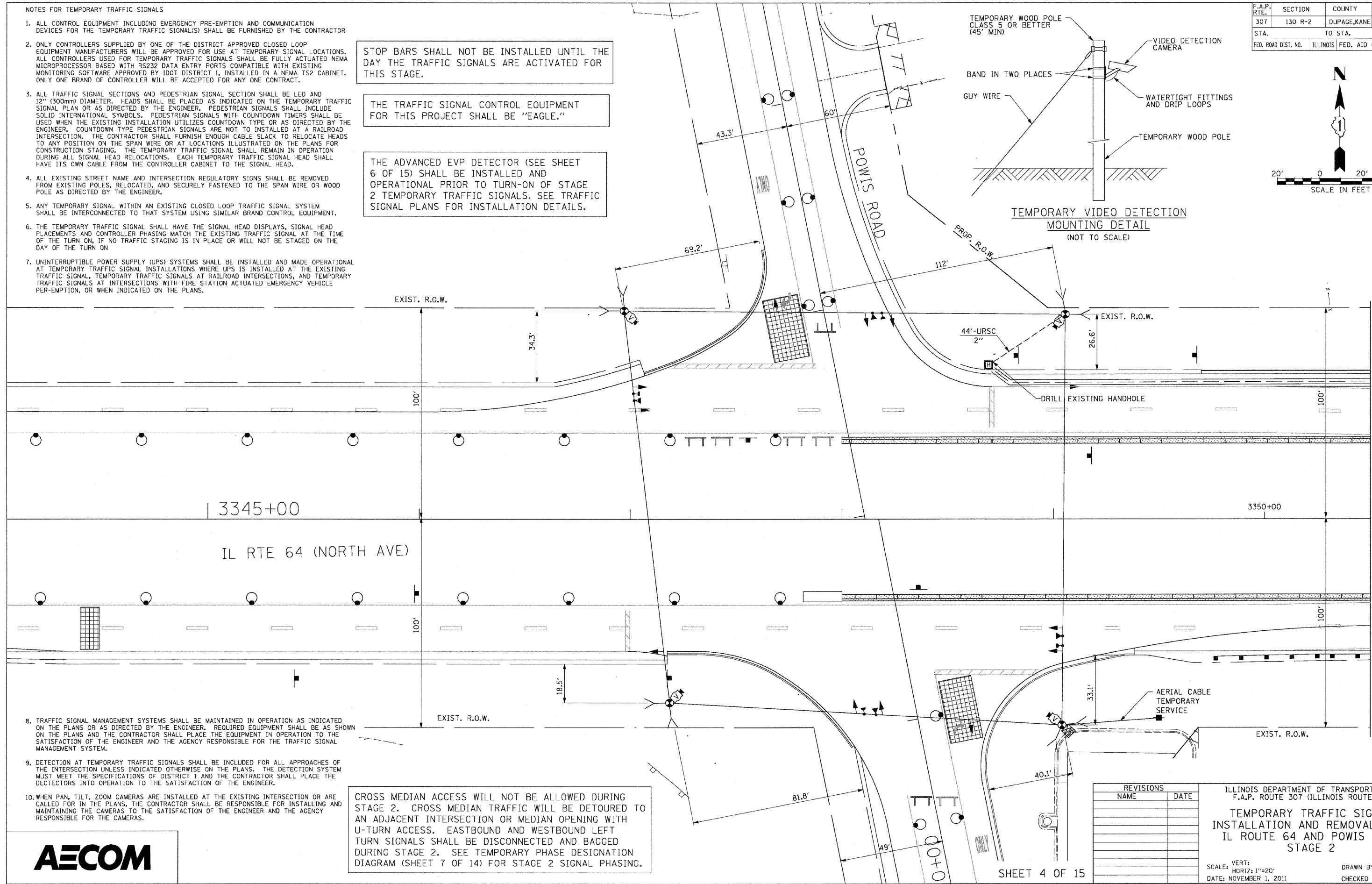
CROSS MEDIAN ACCESS WILL NOT BE ALLOWED DURING STAGE 2. CROSS MEDIAN TRAFFIC WILL BE DETOURED TO AN ADJACENT INTERSECTION OR MEDIAN OPENING WITH U-TURN ACCESS. EASTBOUND AND WESTBOUND LEFT TURN SIGNALS SHALL BE DISCONNECTED AND BAGGED DURING STAGE 2. SEE TEMPORARY PHASE DESIGNATION DIAGRAM (SHEET 7 OF 14) FOR STAGE 2 SIGNAL PHASING.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	365
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MATCHLINE A-A



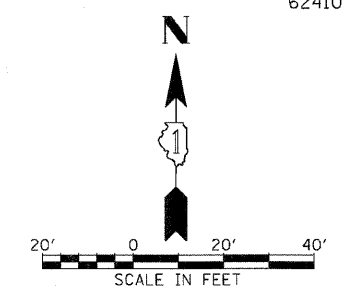
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
**TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 STAGE 2**
 SCALE: VERT: 1"=20'
 HORIZ: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

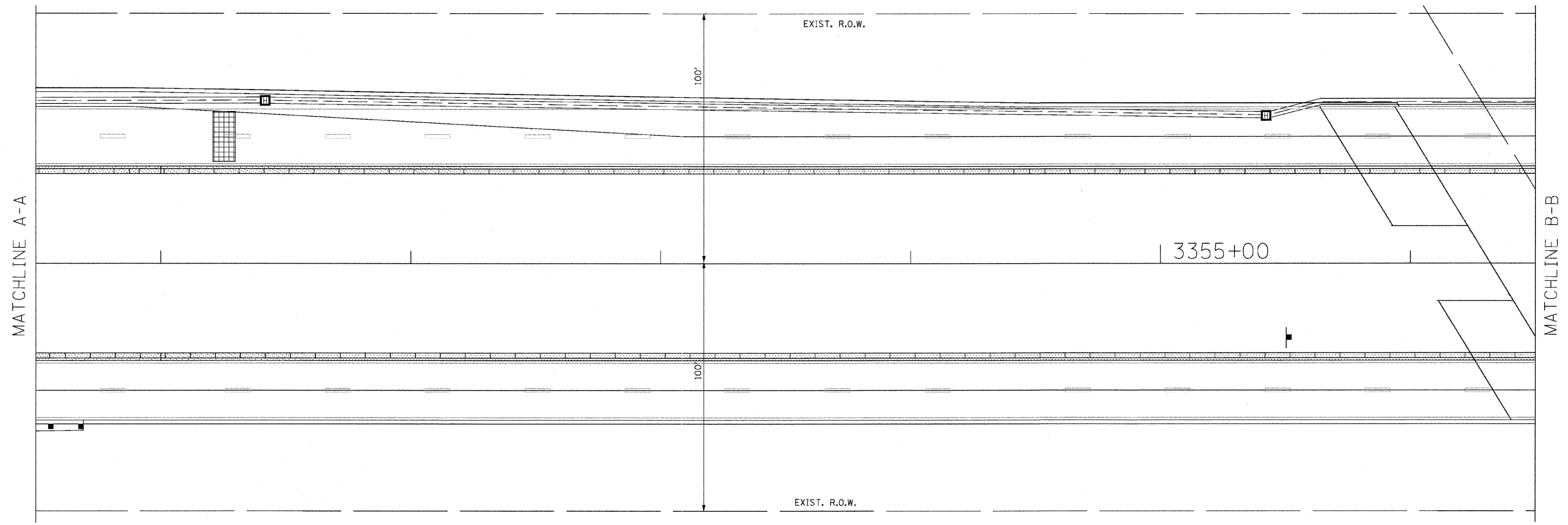


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	366
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



IL RTE 64 (NORTH AVE)



REVISIONS	
NAME	DATE

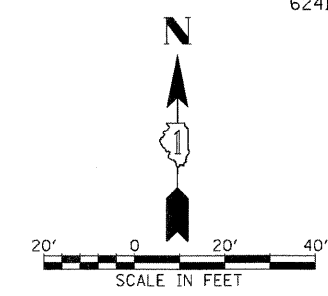
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 STAGE 2

SCALE: VERT: 1"=20'
 HORIZ: 1"=20'
 DATE: NOVEMBER 1, 2011

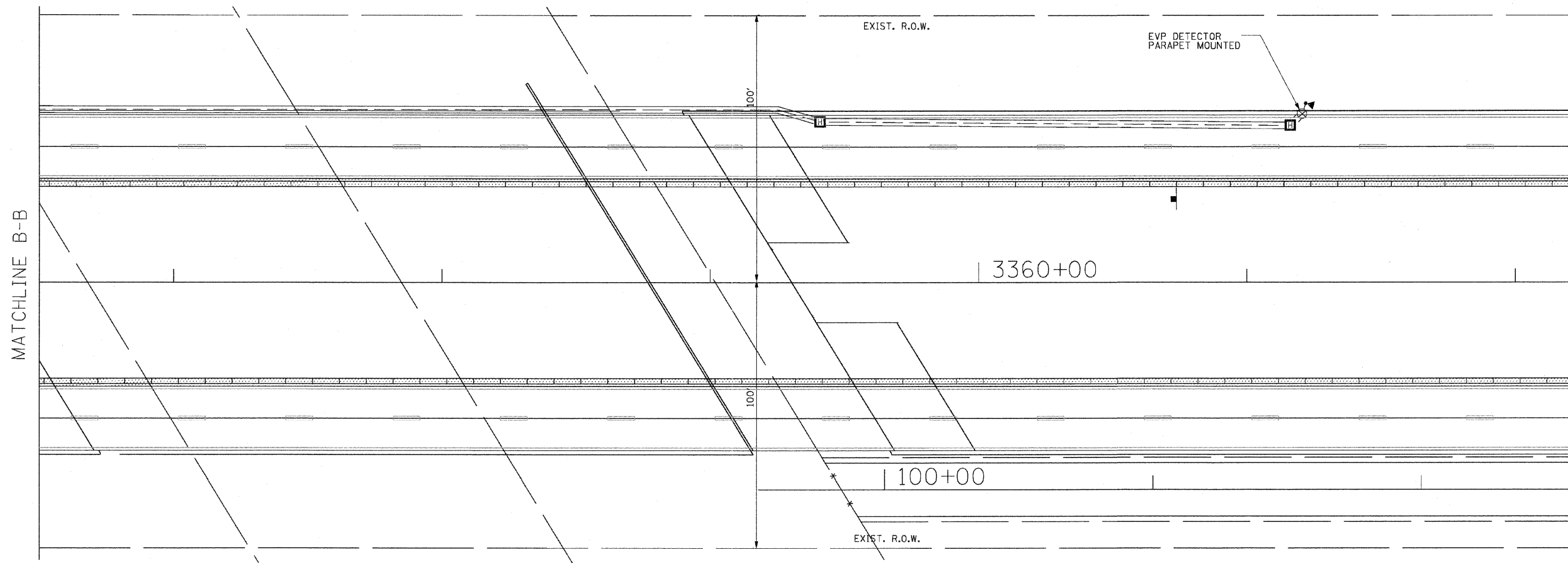
DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	367
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



IL RTE 64 (NORTH AVE)



MATCHLINE B-B

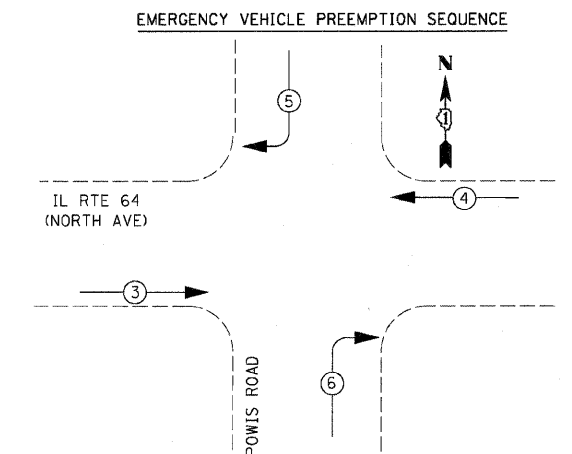
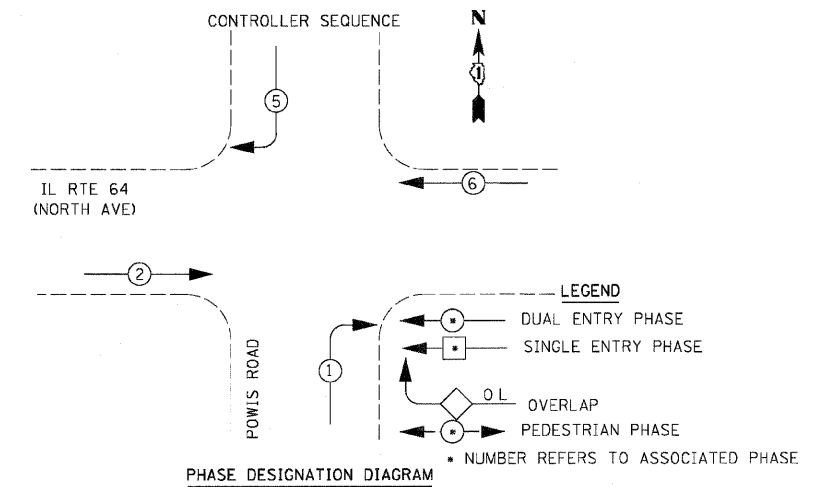
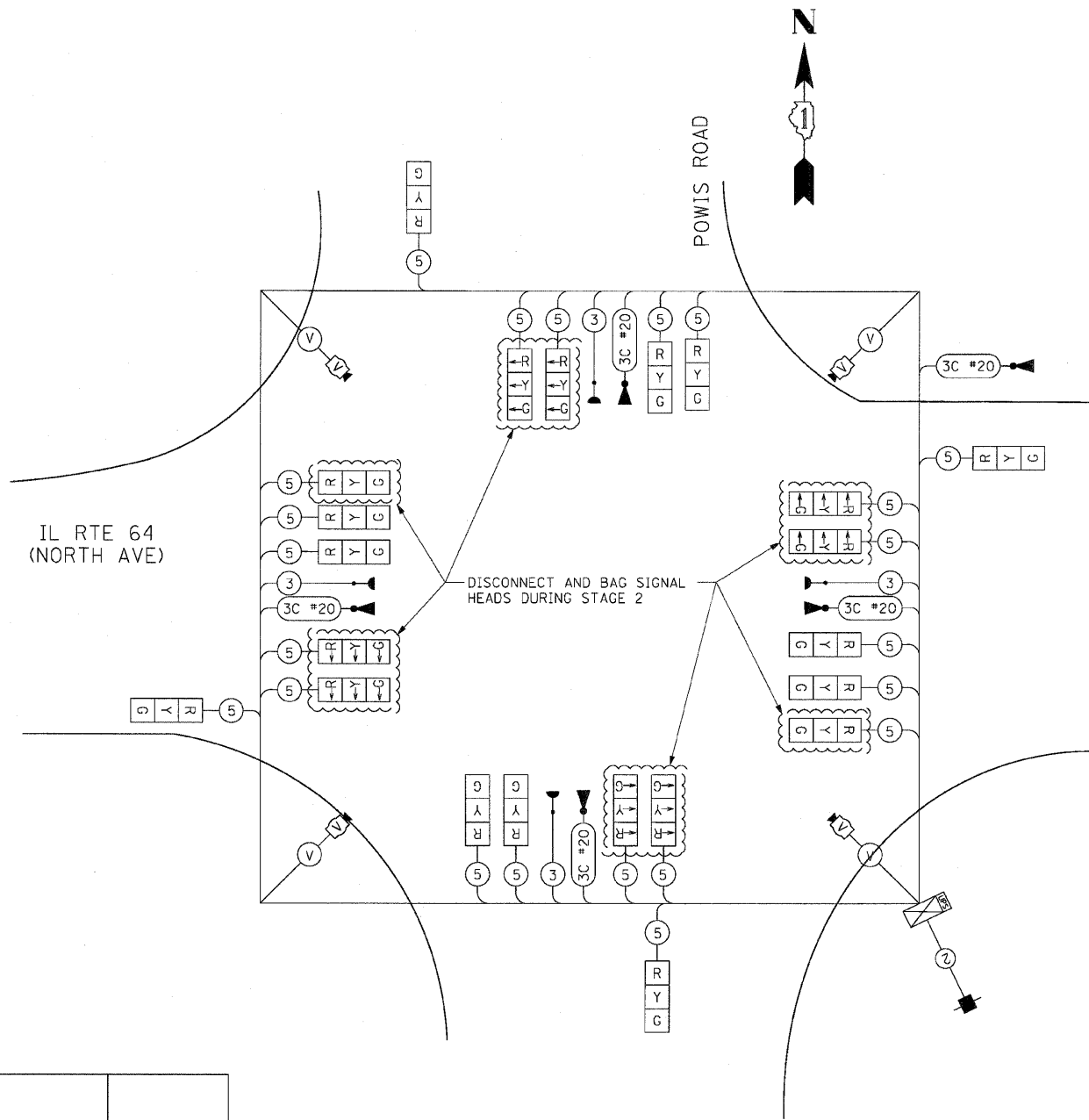


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 STAGE 2
 SCALE: VERT: DRAWN BY: JS
 HORIZ: 1"=20' CHECKED BY: WP
 DATE: NOVEMBER 1, 2011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	368
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	←	↙	↘

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12	17	50	102.00	
(YELLOW)	12		25	75.00	
(GREEN)	12		25	45.00	
ARROW	0		12	0.00	
PED. SIGNAL	0		25	0.00	
CONTROLLER	1		100	100.00	
ILLUM. SIGN	0		25	0.00	
VIDEO SYSTEM	1	150		150.00	
FLASHER	0		25	0.00	
TOTAL =				472.00	

CABLE PLAN
NOT TO SCALE

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

ENERGY SUPPLY CONTACT: MARK GLOECKLE
 PHONE: (630) 691-4529
 COMPANY: COMED

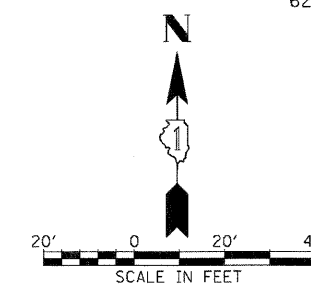
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION IL RTE 64 & POWIS ROAD TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES STAGE 2
NAME	DATE	

SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

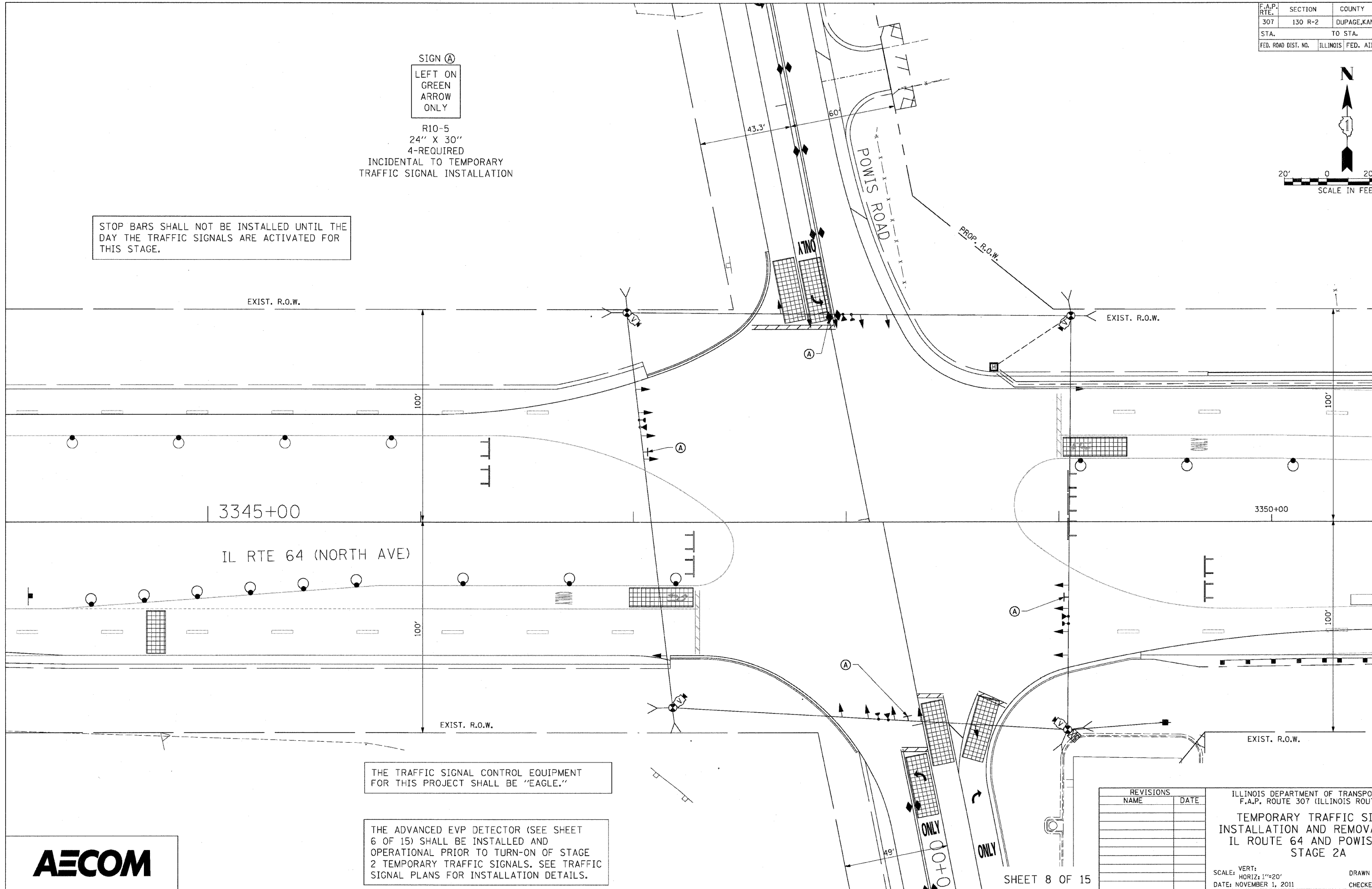
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	369
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

62410



SIGN (A)
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 4-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.



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

THE ADVANCED EVP DETECTOR (SEE SHEET 6 OF 15) SHALL BE INSTALLED AND OPERATIONAL PRIOR TO TURN-ON OF STAGE 2 TEMPORARY TRAFFIC SIGNALS. SEE TRAFFIC SIGNAL PLANS FOR INSTALLATION DETAILS.

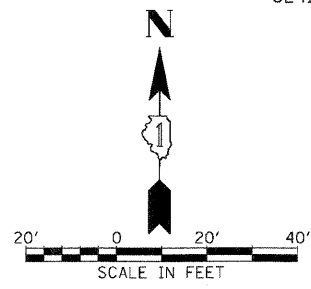
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 STAGE 2A
 SCALE: VERT: 1"=20'
 HORIZ: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

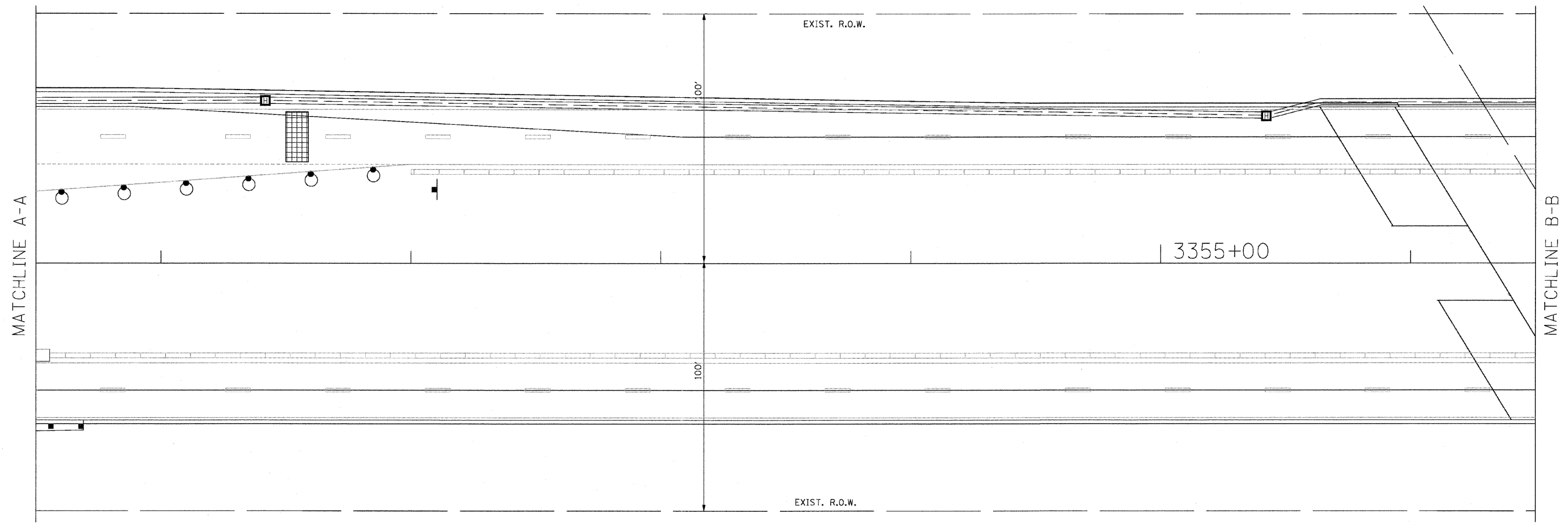


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	370
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



IL RTE 64 (NORTH AVE)

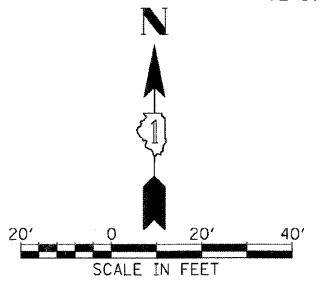


REVISIONS	
NAME	DATE

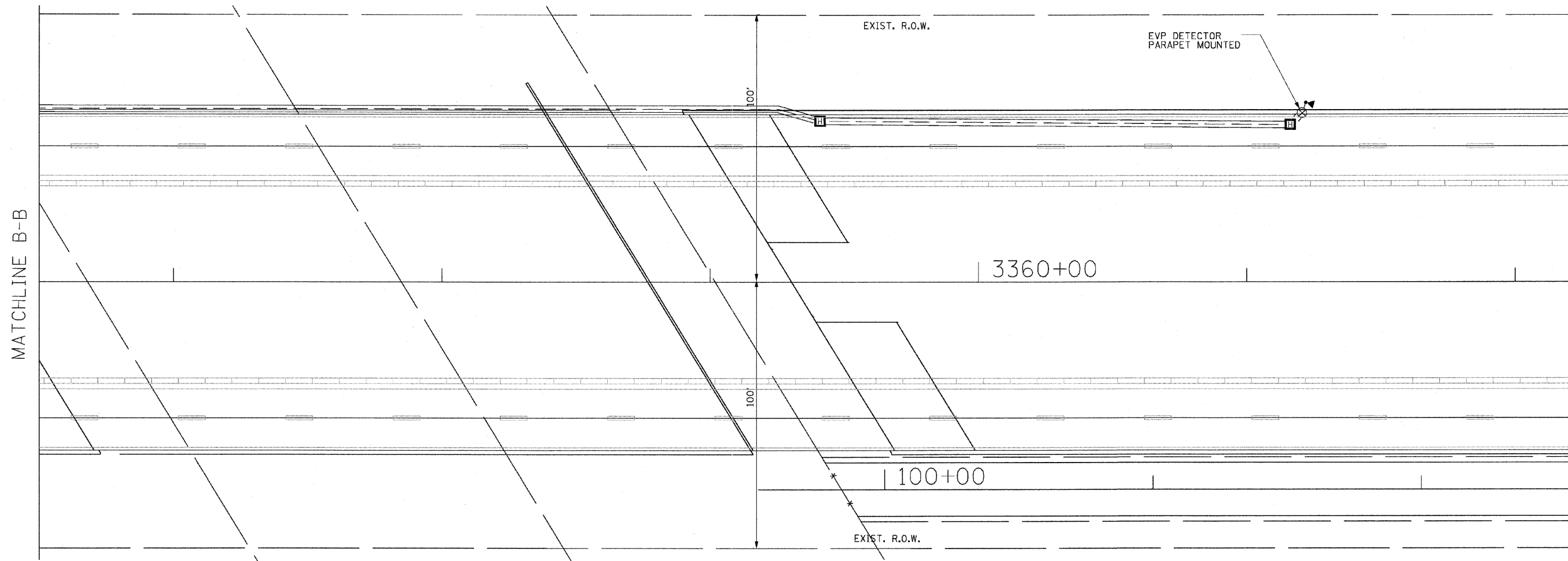
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 STAGE 2A
 SCALE: VERT: 1"=20'
 HORIZ: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	371
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



IL RTE 64 (NORTH AVE)



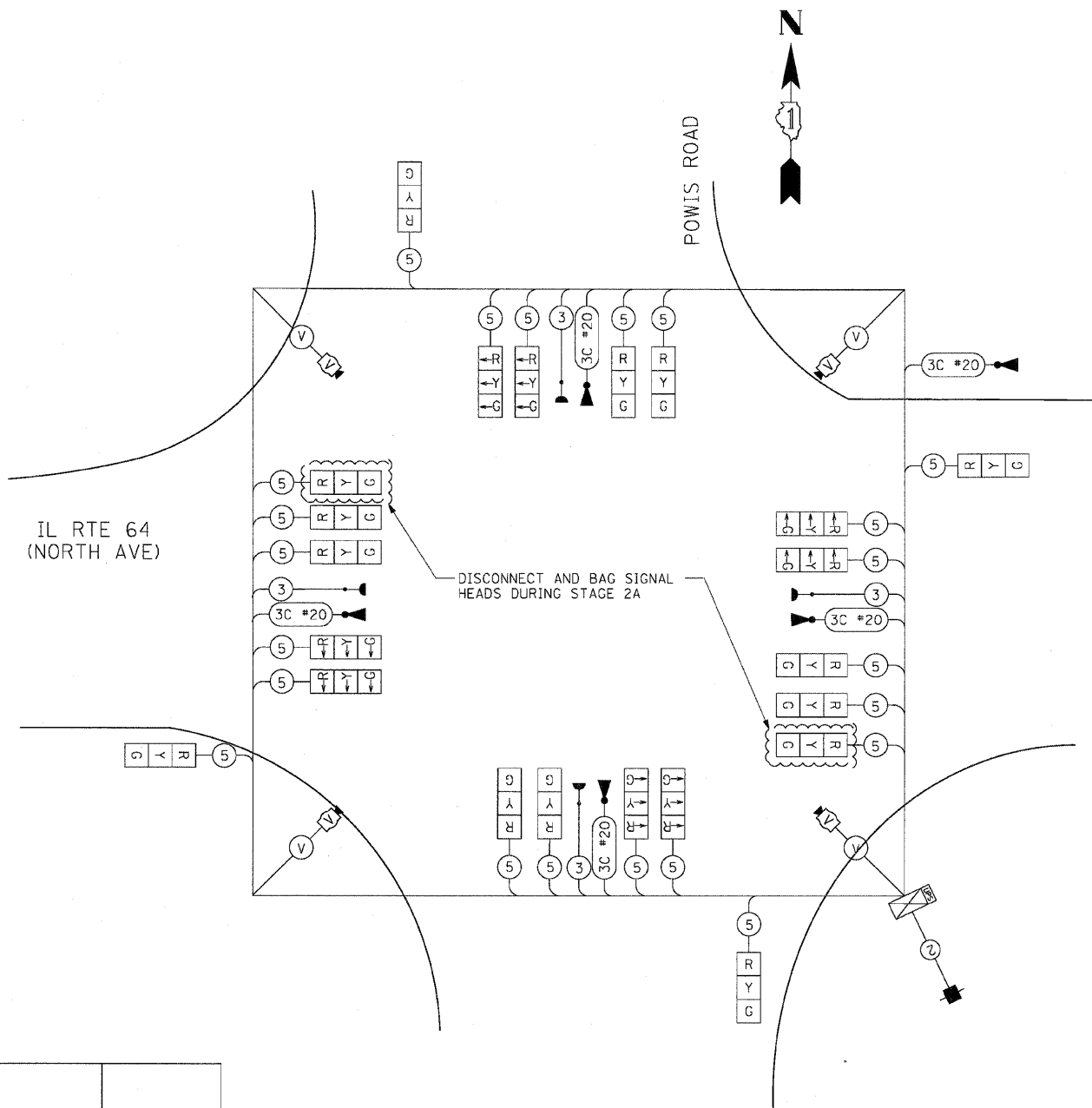
SHEET 10 OF 15

REVISIONS	
NAME	DATE

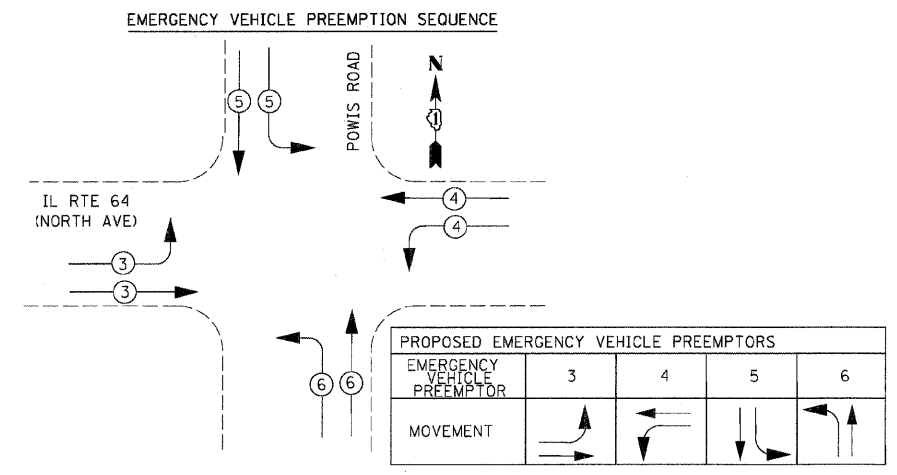
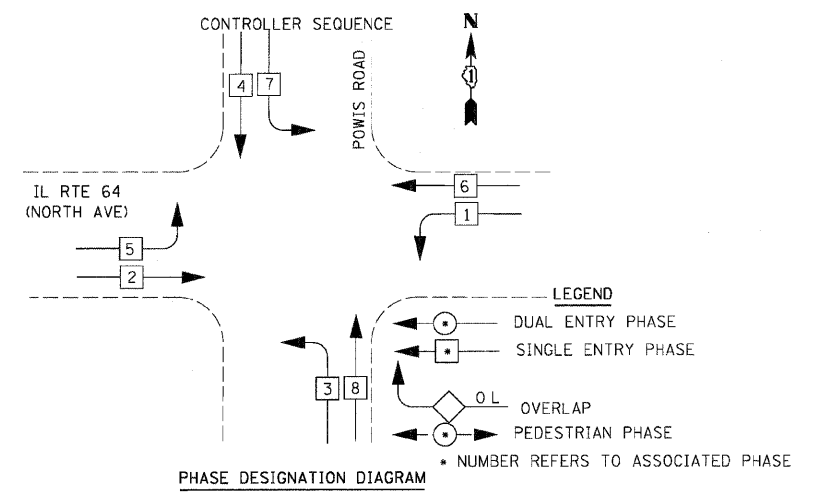
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 STAGE 2A
 SCALE: VERT: DRAWN BY: JS
 HORIZ: 1"=20' CHECKED BY: WP
 DATE: NOVEMBER 1, 2011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	372
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



CABLE PLAN
NOT TO SCALE



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		17	50	102.00
(YELLOW)	12		25	25	75.00
(GREEN)	12		15	25	45.00
ARROW	24		12	10	28.80
PED. SIGNAL	0		25	100	00.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER	0		25	50	0.00
TOTAL =					500.80

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

ENERGY SUPPLY CONTACT: MARK GLOECKLE
 PHONE: (630) 691-4529
 COMPANY: COMED

REVISIONS	
NAME	DATE

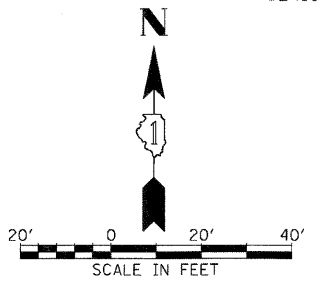
ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 & POWIS ROAD
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGE 2A

SCALE: NONE
 DATE: NOVEMBER 1, 2011

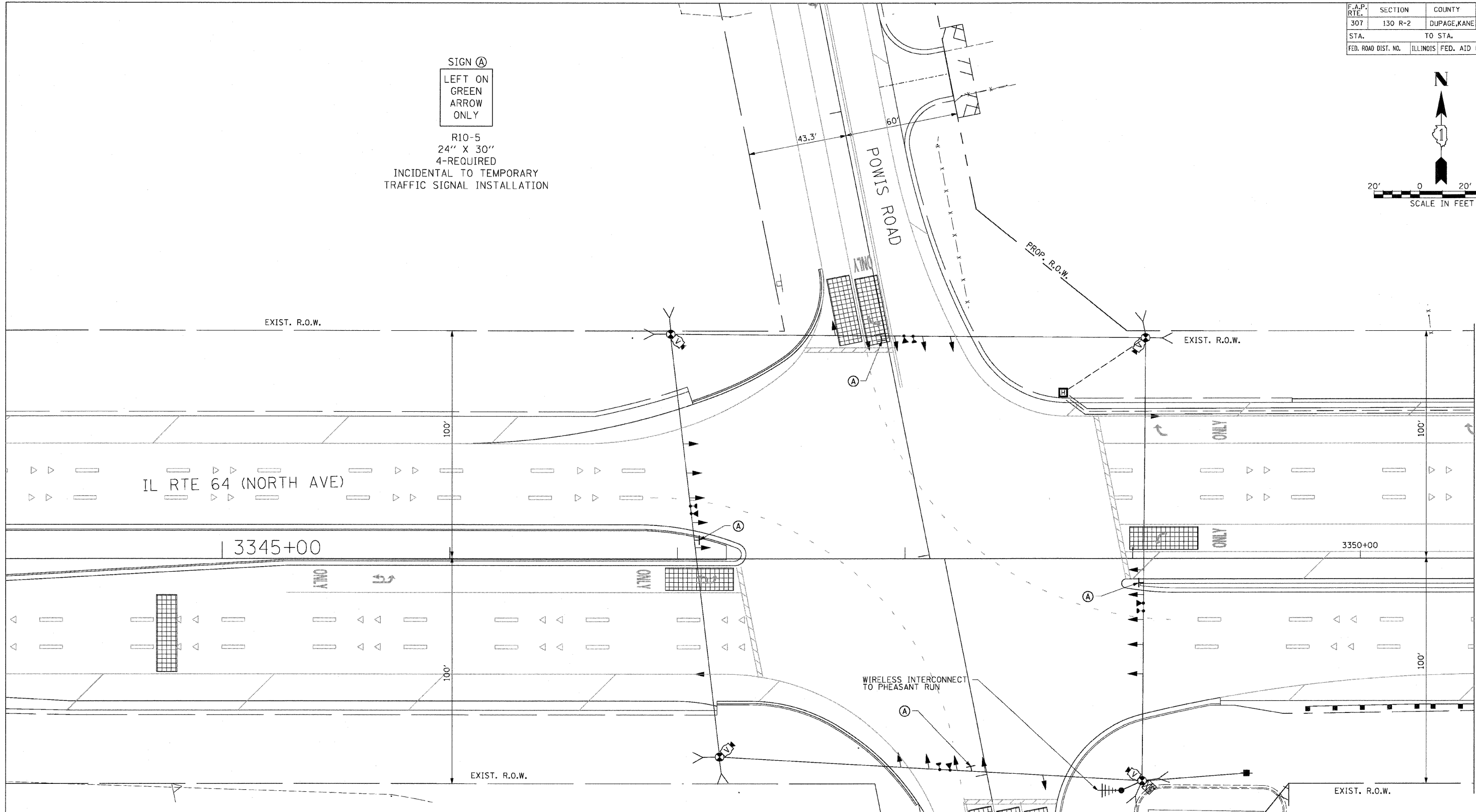
DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	372A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



SIGN (A)
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 4-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



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

THE ADVANCED EVP DETECTOR (SEE SHEET 6 OF 15) SHALL BE INSTALLED AND OPERATIONAL PRIOR TO TURN-ON OF STAGE 2 TEMPORARY TRAFFIC SIGNALS. SEE TRAFFIC SIGNAL PLANS FOR INSTALLATION DETAILS.

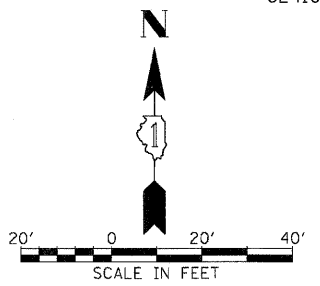


REVISIONS	
NAME	DATE

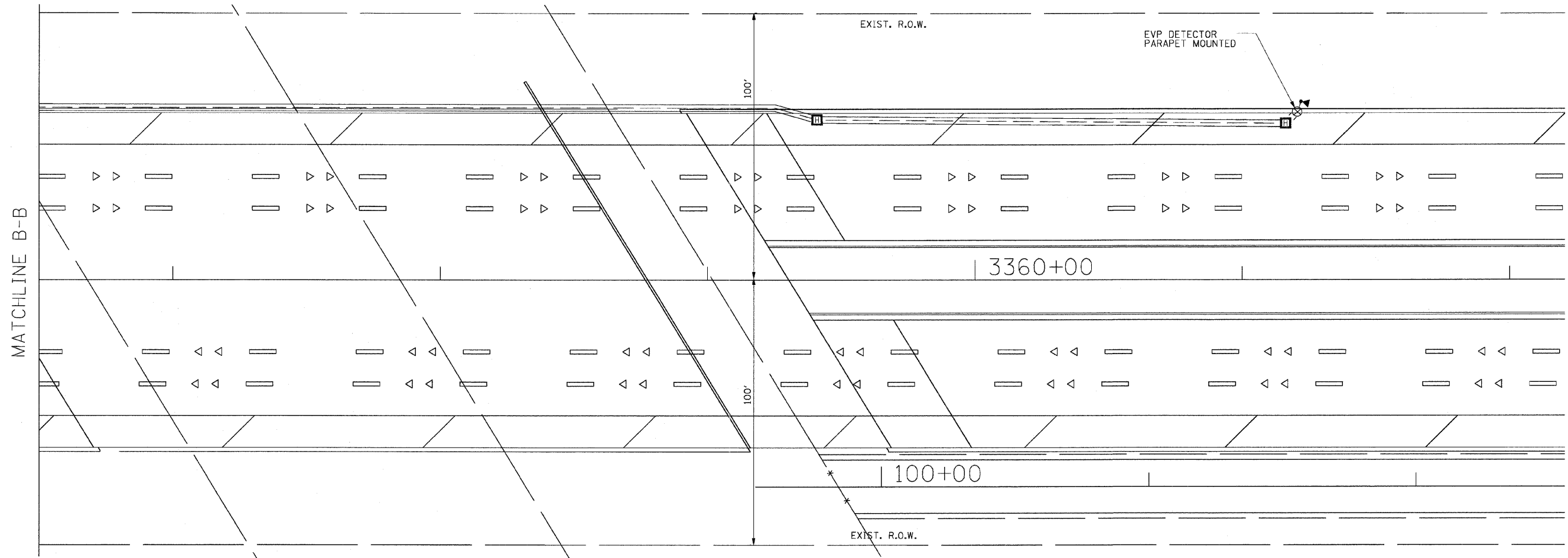
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 POST-CONSTRUCTION
 SCALE: VERT: 1"=20'
 HORIZ: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	372C
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

62410



IL RTE 64 (NORTH AVE)



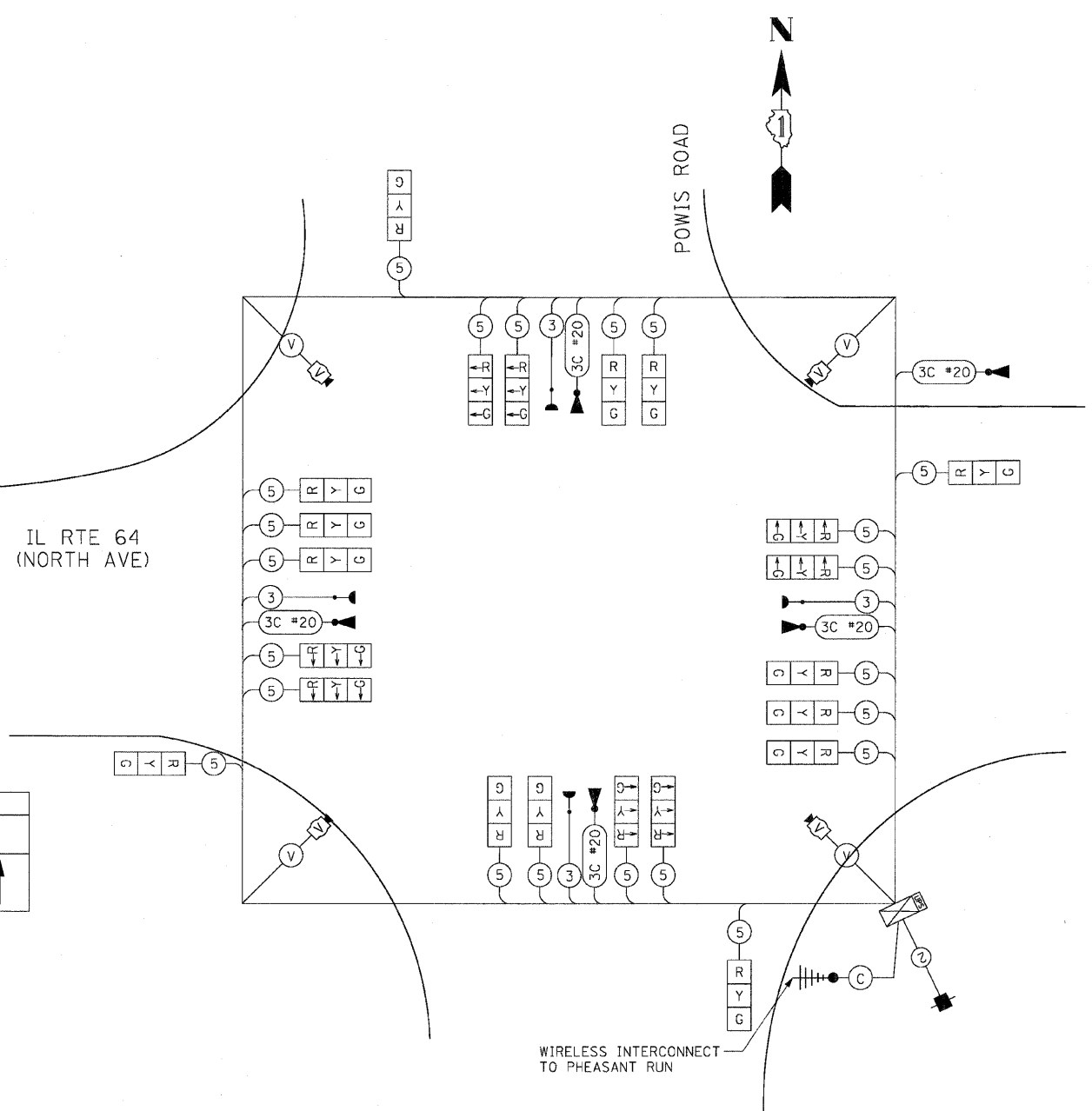
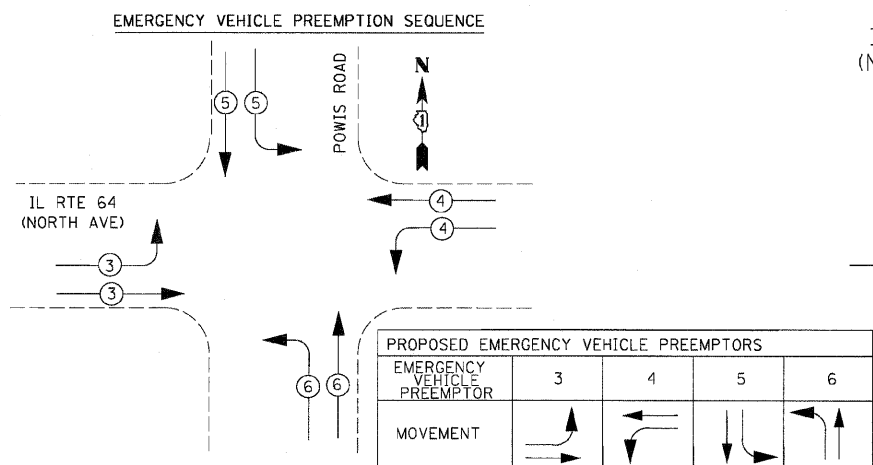
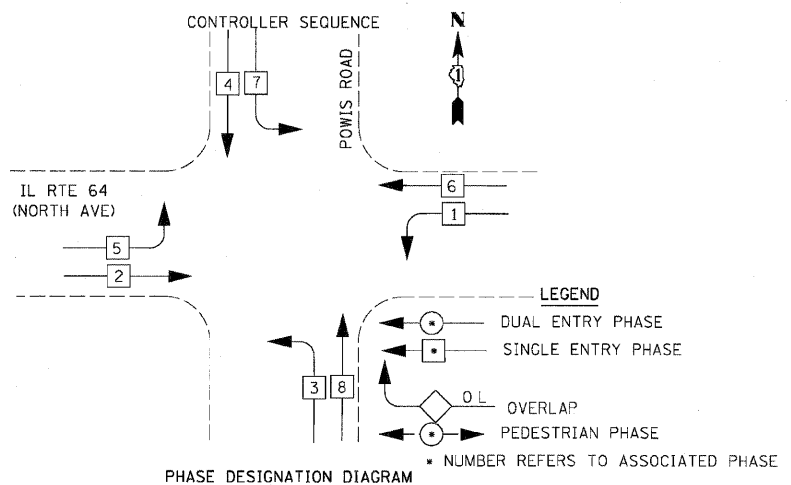
SHEET 14 OF 15

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND POWIS ROAD
 POST-CONSTRUCTION
 SCALE: VERT: HORIZ: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	3720
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



WIRELESS INTERCONNECT TO PHEASANT RUN
CABLE PLAN
 NOT TO SCALE

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1468	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
479	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
407	FOOT	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., GALVANIZED STEEL
10	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL INSTALLATION
779	FOOT	SPAN WIRE
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
779	FOOT	TETHER WIRE
907	FOOT	ELECTRICAL CABLE AERIAL SUSPENDED, SIGNAL NO. 14 3C
5330	FOOT	ELECTRICAL CABLE AERIAL SUSPENDED, SIGNAL NO. 14 5C
106	FOOT	ELECTRICAL CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2C
1980	FOOT	PREFORMED DETECTOR LOOP
5	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
8339	FOOT	REMOVE ELECTRICAL CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
11	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
1	EACH	WIRELESS INTERCONNECT, COMPLETE
4	EACH	TRAFFIC SIGNAL WOOD POLE, 45 FT, CLASS 5
1	EACH	VIDEO DETECTION SYSTEM
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1366	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
1163	FOOT	ELECTRIC CABLE AERIAL SUSPENDED NO. 20 3/C, TWISTED, SHIELDED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
24	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED
106	FOOT	ELECTRICAL CABLE AERIAL SUSPENDED, GROUNDING, NO. 6 1C
1	EACH	PARAPET MOUNTED EMERGENCY VEHICLE PREEMPTION DETECTOR SUPPORT
		100% COST TO WEST CHICAGO FIRE PROTECTION DISTRICT

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

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	14		17	50	119.00
(YELLOW)	14		25	25	87.50
(GREEN)	14		15	25	52.50
ARROW	24		12	10	28.80
PED. SIGNAL	0		25	100	00.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER	0		25	50	0.00
TOTAL =					537.80

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096
 CONTACT: MARK GLOECKLE
 PHONE: (630) 691-4529
 COMPANY: COMED

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION IL RTE 64 & POWIS ROAD TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES POST-CONSTRUCTION
NAME	DATE	

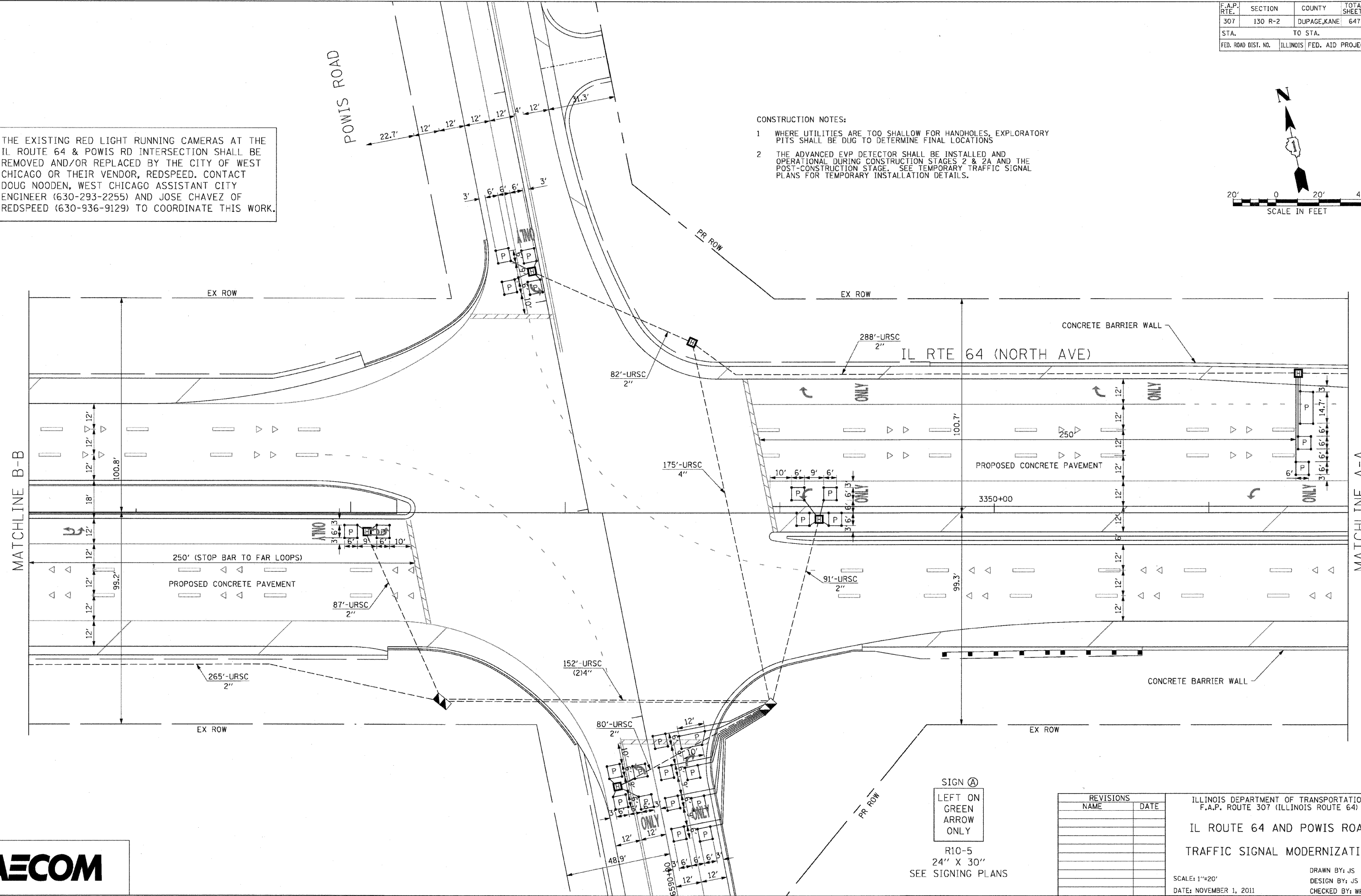
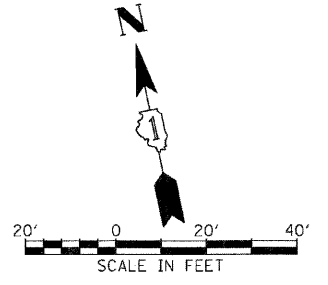
SCALE: NONE
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	373
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

THE EXISTING RED LIGHT RUNNING CAMERAS AT THE IL ROUTE 64 & POWIS RD INTERSECTION SHALL BE REMOVED AND/OR REPLACED BY THE CITY OF WEST CHICAGO OR THEIR VENDOR, REDSPEED. CONTACT DOUG NOODEN, WEST CHICAGO ASSISTANT CITY ENGINEER (630-293-2255) AND JOSE CHAVEZ OF REDSPEED (630-936-9129) TO COORDINATE THIS WORK.

- CONSTRUCTION NOTES:
- WHERE UTILITIES ARE TOO SHALLOW FOR HANDHOLES, EXPLORATORY PITS SHALL BE DUG TO DETERMINE FINAL LOCATIONS
 - THE ADVANCED EVP DETECTOR SHALL BE INSTALLED AND OPERATIONAL DURING CONSTRUCTION STAGES 2 & 2A AND THE POST-CONSTRUCTION STAGE. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR TEMPORARY INSTALLATION DETAILS.



SIGN (A)
 LEFT ON GREEN
 ARROW
 ONLY

R10-5
 24" X 30"
 SEE SIGNING PLANS

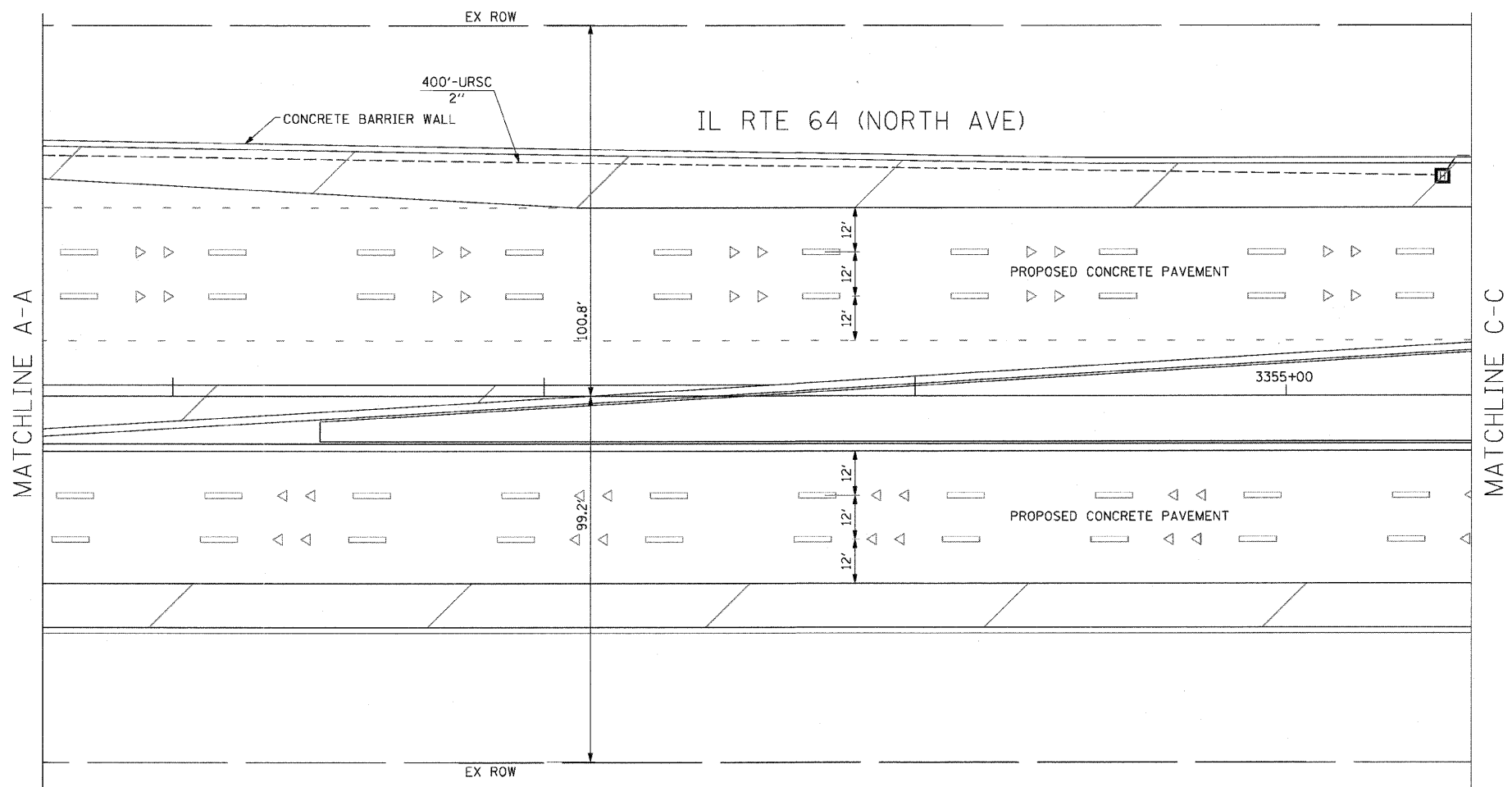
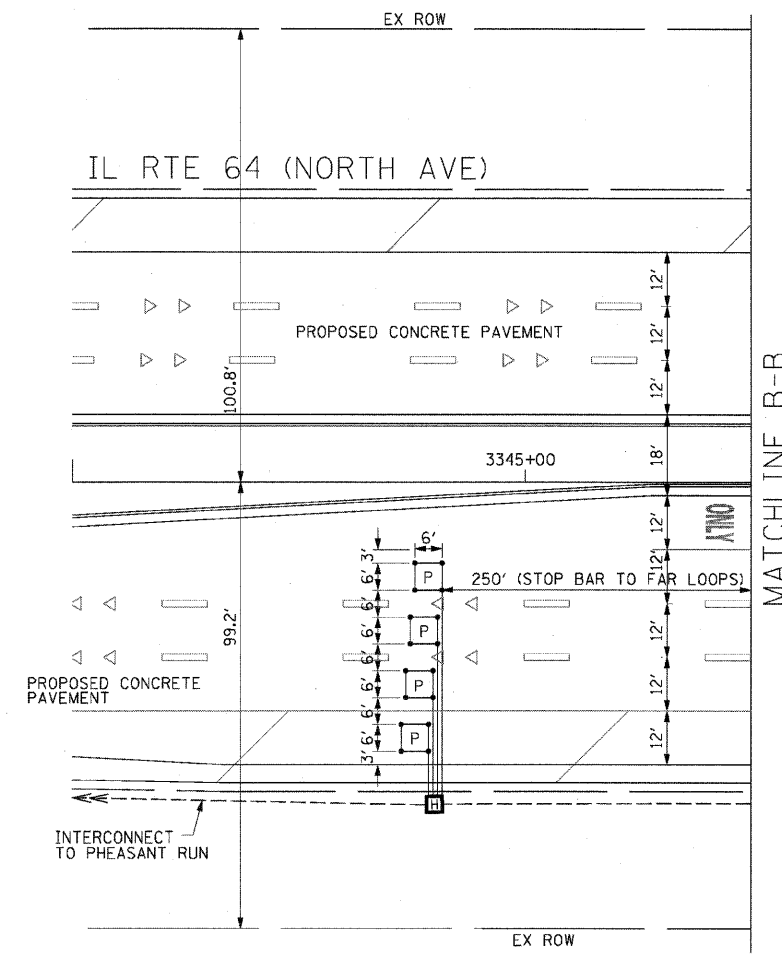
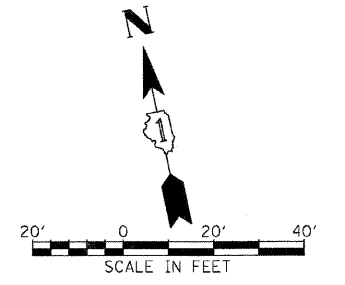
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 IL ROUTE 64 AND POWIS ROAD
 TRAFFIC SIGNAL MODERNIZATION
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	374
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



REVISIONS	
NAME	DATE

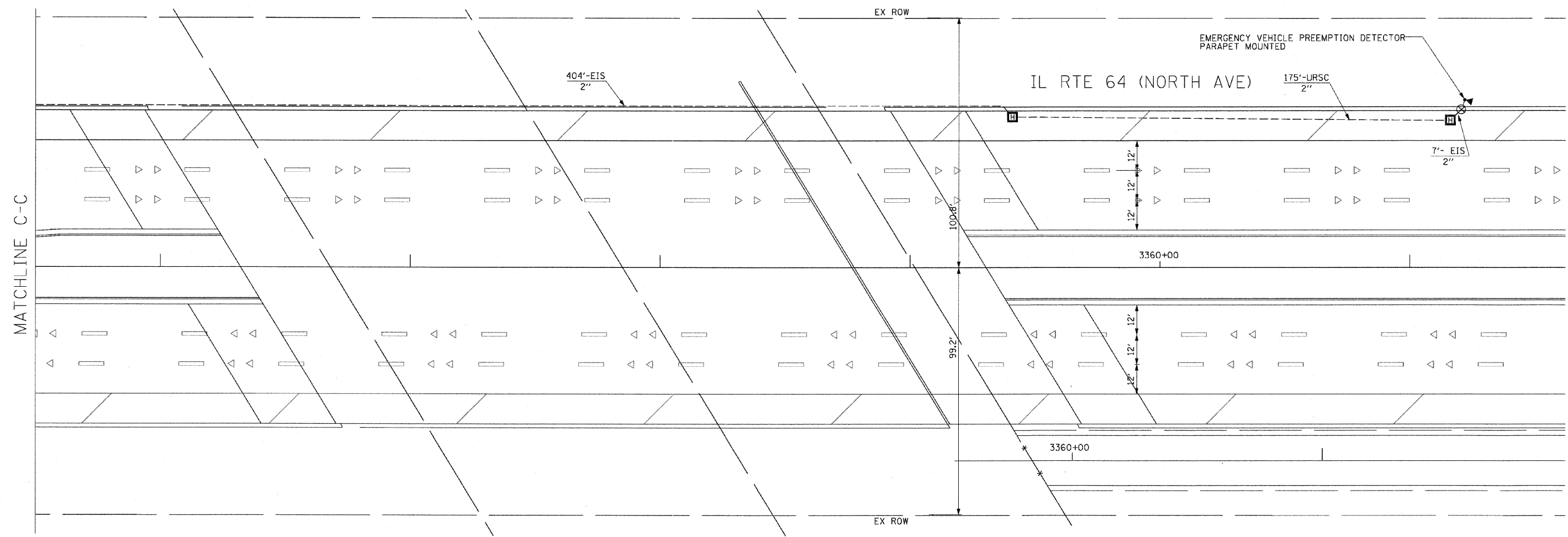
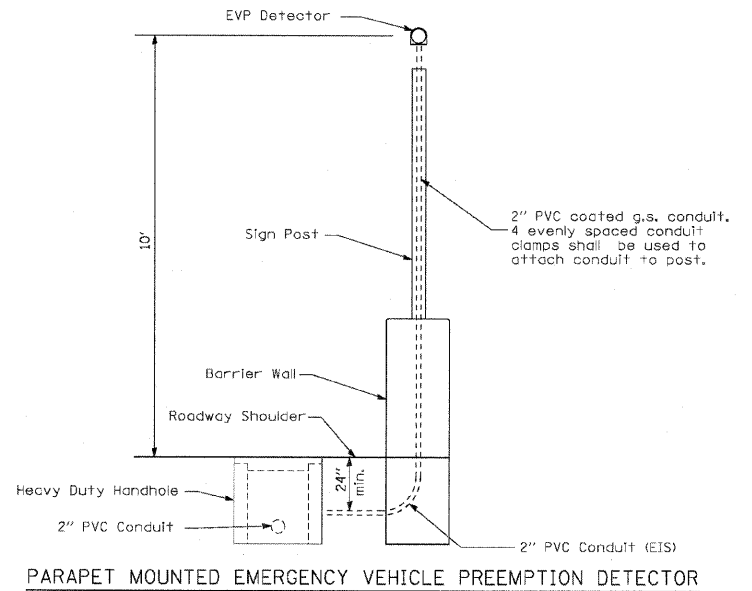
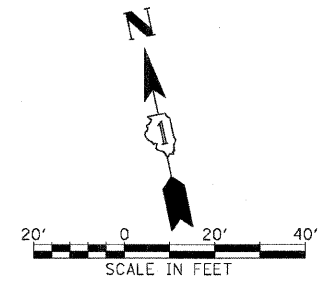
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

IL ROUTE 64 AND POWIS ROAD
 TRAFFIC SIGNAL MODERNIZATION

SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	375
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		62410		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

IL ROUTE 64 AND POWIS ROAD

TRAFFIC SIGNAL MODERNIZATION

SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTION SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PER-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR. SHALL REMAIN THE PROPERTY OF THE CITY OF WEST CHICAGO AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY'S MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 2.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT
- 1.0 EACH EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT

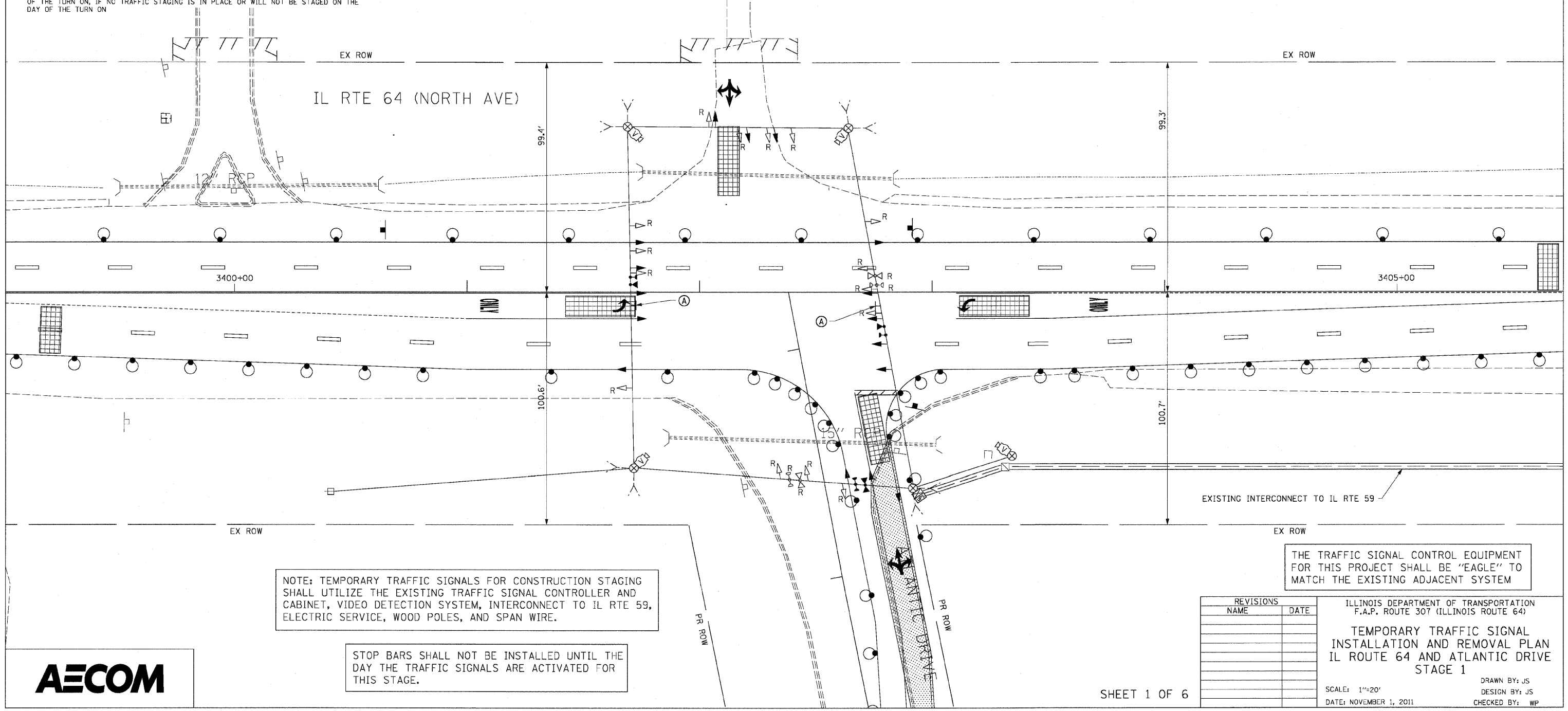
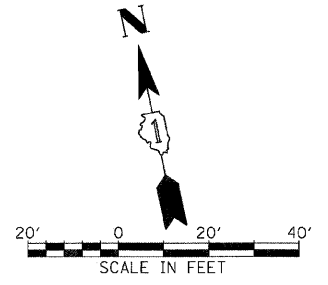
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 9.0 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 6.0 EACH SIGNAL HEAD, 1-FACE, 5-SECTION

SIGN (A)
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	377
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

62410



NOTE: TEMPORARY TRAFFIC SIGNALS FOR CONSTRUCTION STAGING SHALL UTILIZE THE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET, VIDEO DETECTION SYSTEM, INTERCONNECT TO IL RTE 59, ELECTRIC SERVICE, WOOD POLES, AND SPAN WIRE.

STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.



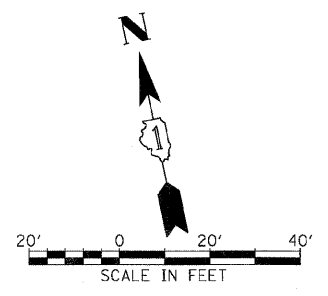
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND ATLANTIC DRIVE
 STAGE 1
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	378
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

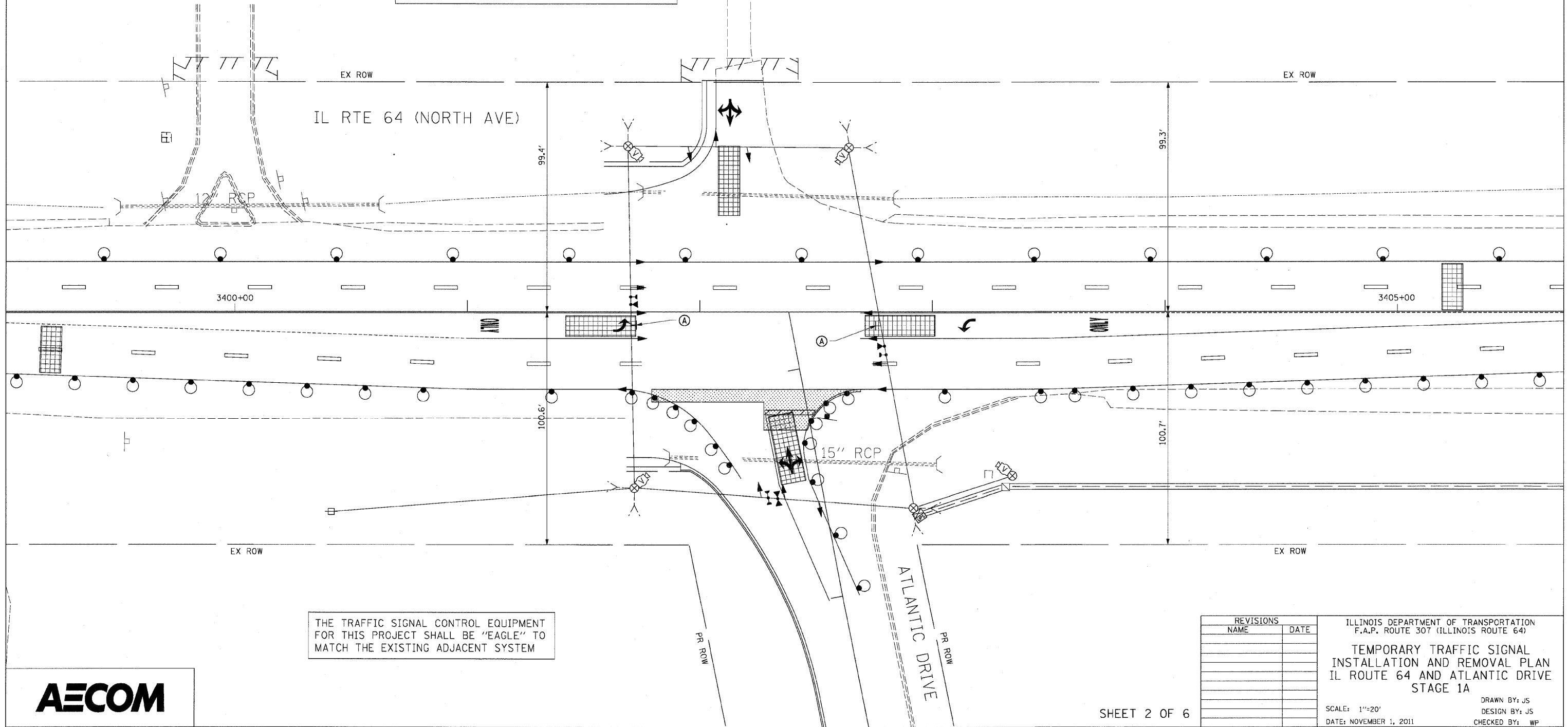
62410

SIGN (A)
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION



STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.

IL RTE 64 (NORTH AVE)



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

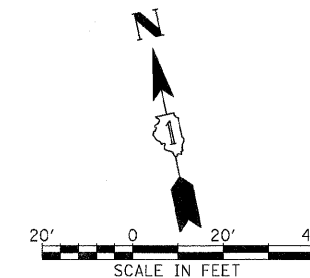
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND ATLANTIC DRIVE
 STAGE 1A
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

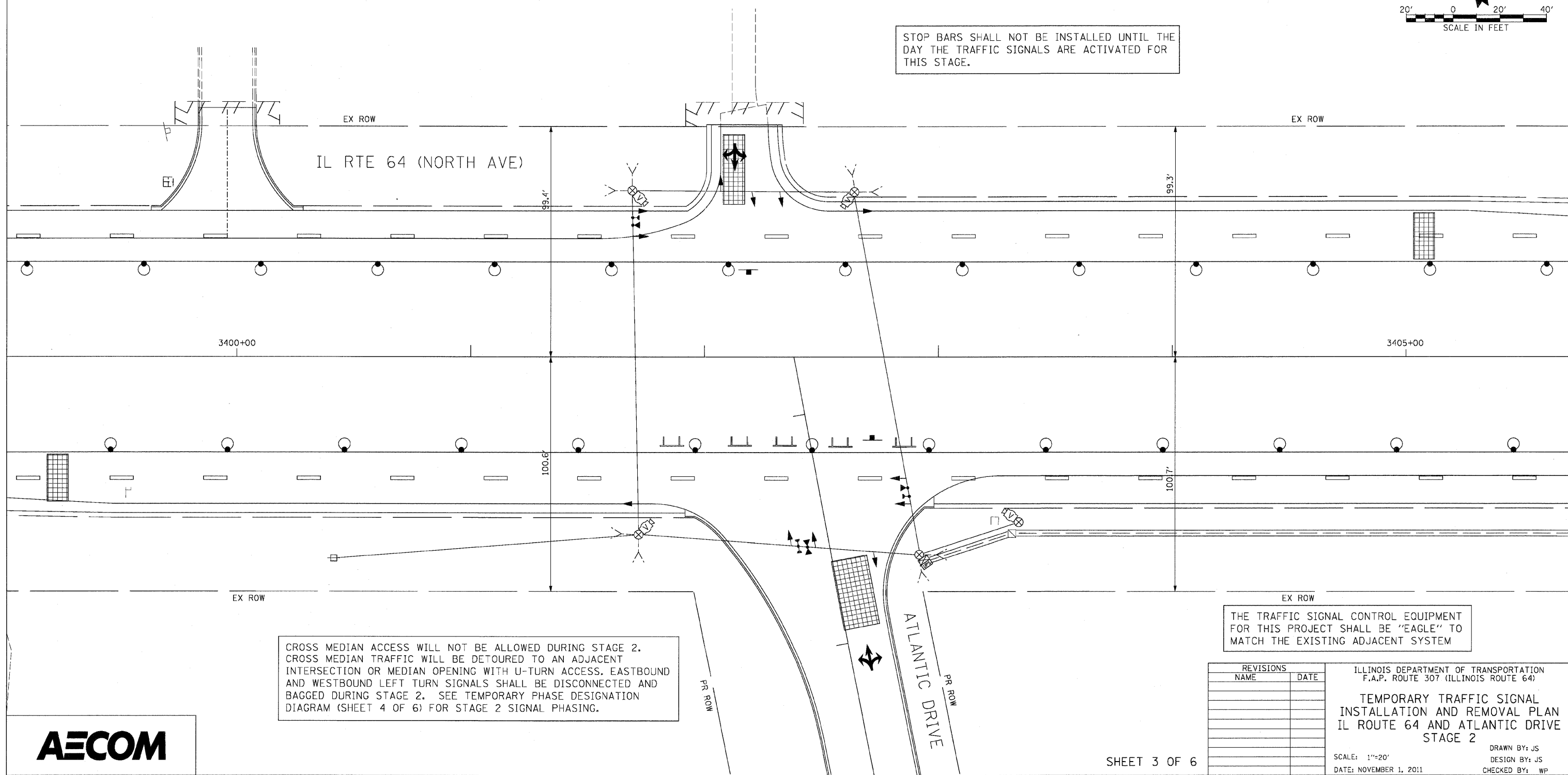


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	379
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.



CROSS MEDIAN ACCESS WILL NOT BE ALLOWED DURING STAGE 2. CROSS MEDIAN TRAFFIC WILL BE DETOURED TO AN ADJACENT INTERSECTION OR MEDIAN OPENING WITH U-TURN ACCESS. EASTBOUND AND WESTBOUND LEFT TURN SIGNALS SHALL BE DISCONNECTED AND BAGGED DURING STAGE 2. SEE TEMPORARY PHASE DESIGNATION DIAGRAM (SHEET 4 OF 6) FOR STAGE 2 SIGNAL PHASING.

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

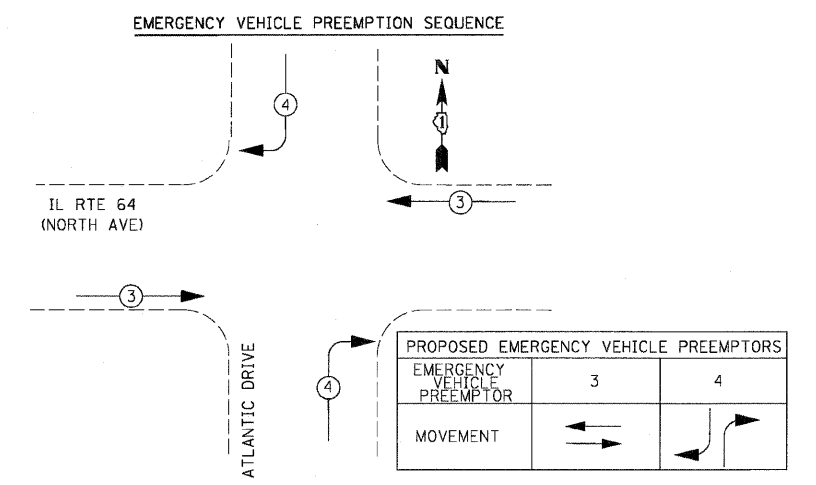
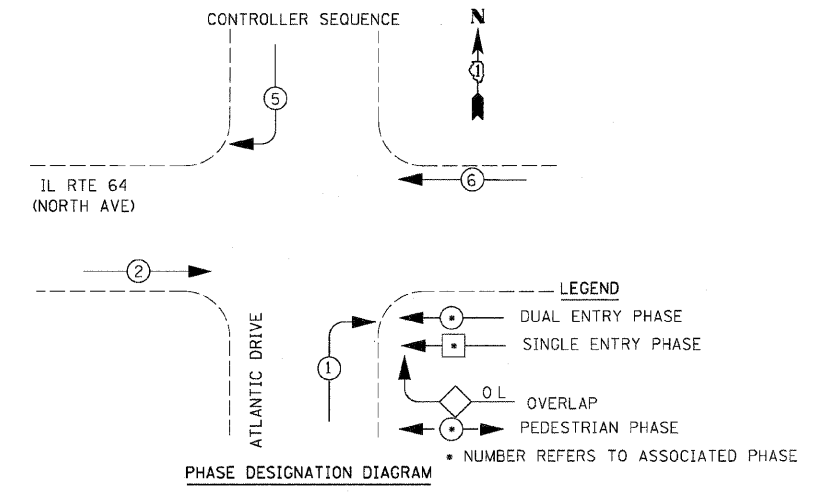
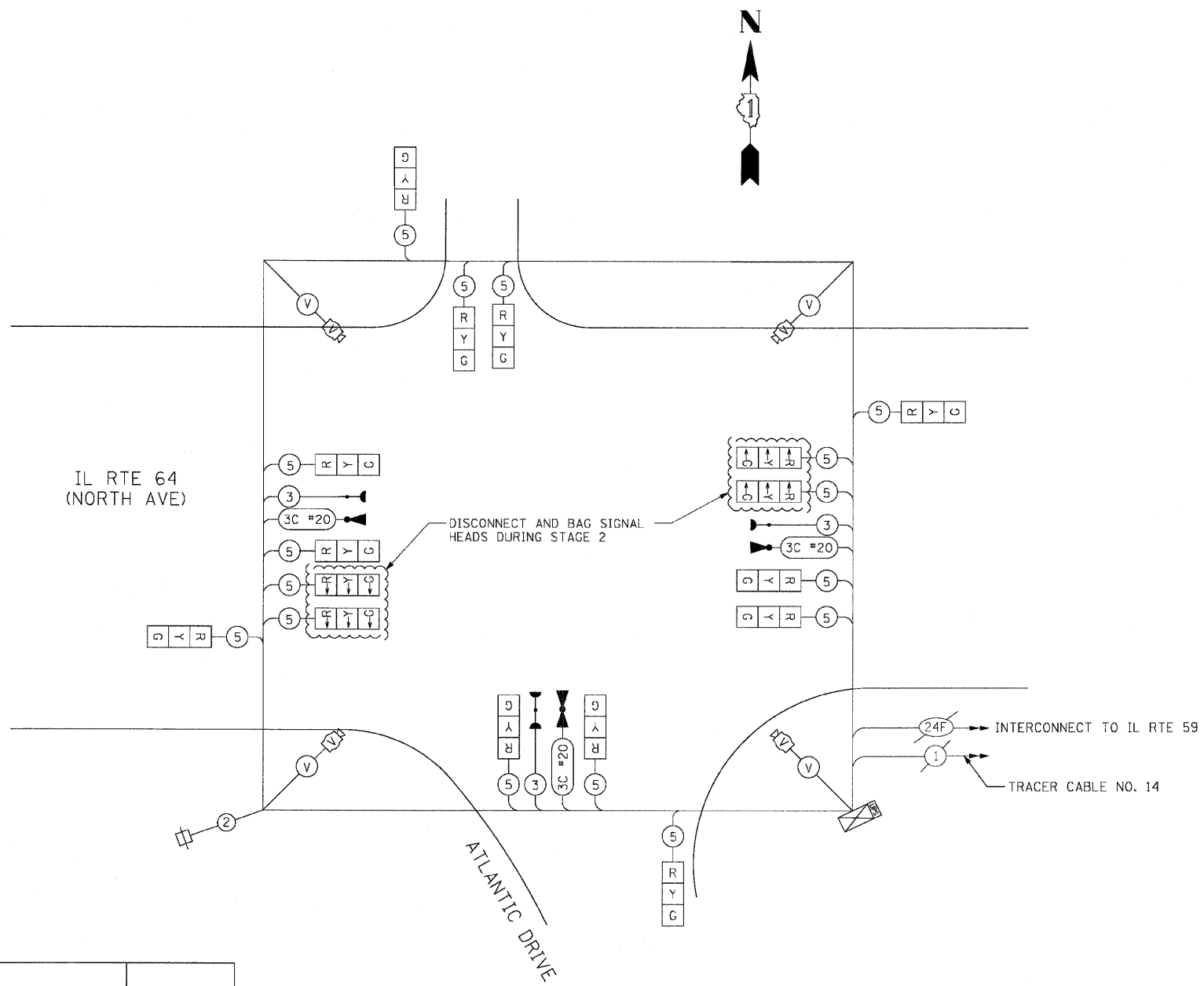
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
**TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND ATLANTIC DRIVE
 STAGE 2**
 SCALE: 1"=20'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	380
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



CABLE PLAN
NOT TO SCALE

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		17	50	102.00
(YELLOW)	12		25	25	75.00
(GREEN)	12		15	25	45.00
ARROW	0		12	10	0.00
PED. SIGNAL	0		25	100	0.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER				50	--
TOTAL =					472.00

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

ENERGY SUPPLY CONTACT: MARK GLOECKLE
 PHONE: (630) 691-4529
 COMPANY: COMED

REVISIONS	
NAME	DATE

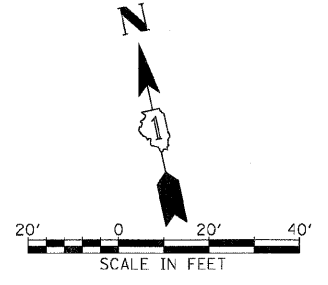
ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 & ATLANTIC DRIVE
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGE 2

SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: MS
 DESIGN BY: MS
 CHECKED BY: MD

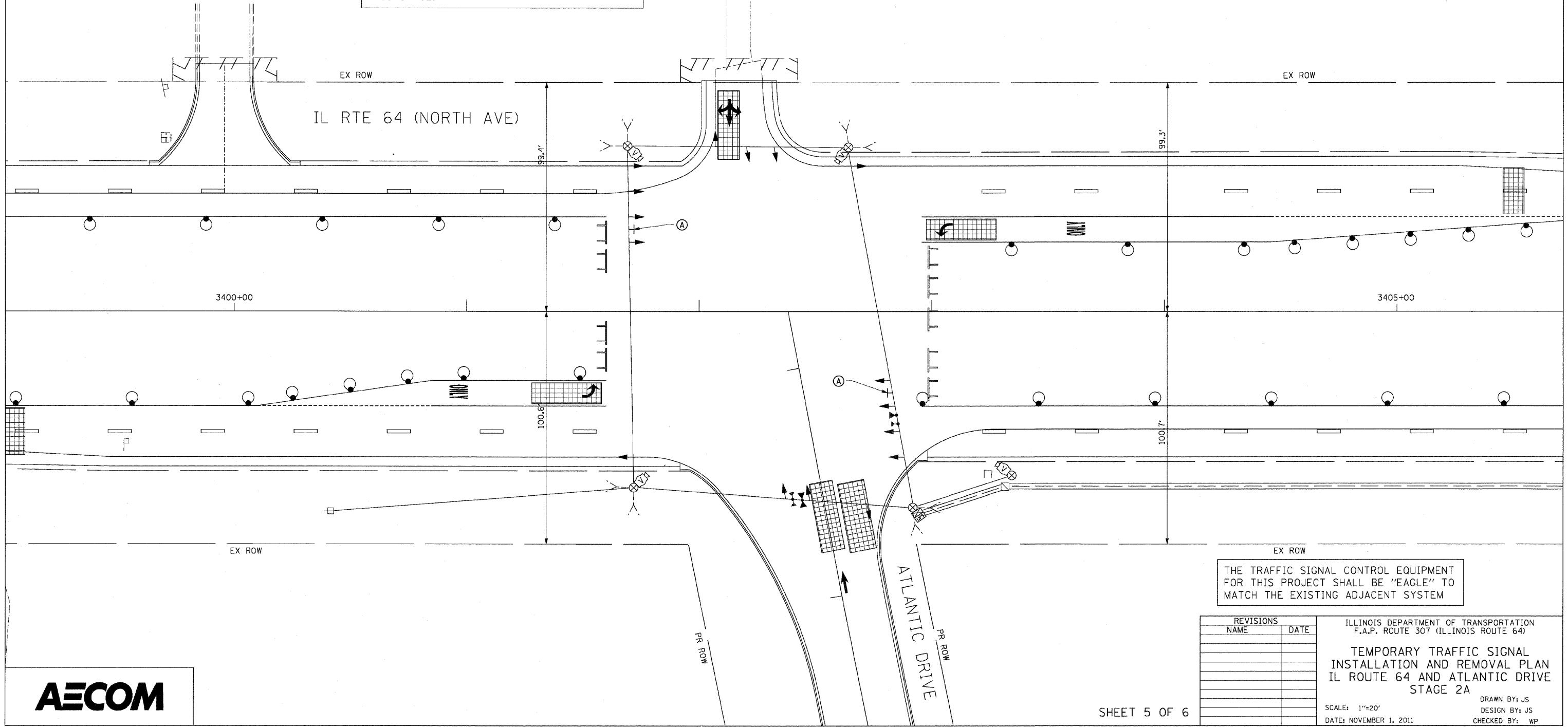
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	381
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



SIGN (A)
 LEFT ON GREEN ARROW ONLY
 R10-5
 24" X 30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION

STOP BARS SHALL NOT BE INSTALLED UNTIL THE DAY THE TRAFFIC SIGNALS ARE ACTIVATED FOR THIS STAGE.



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
 IL ROUTE 64 AND ATLANTIC DRIVE
 STAGE 2A

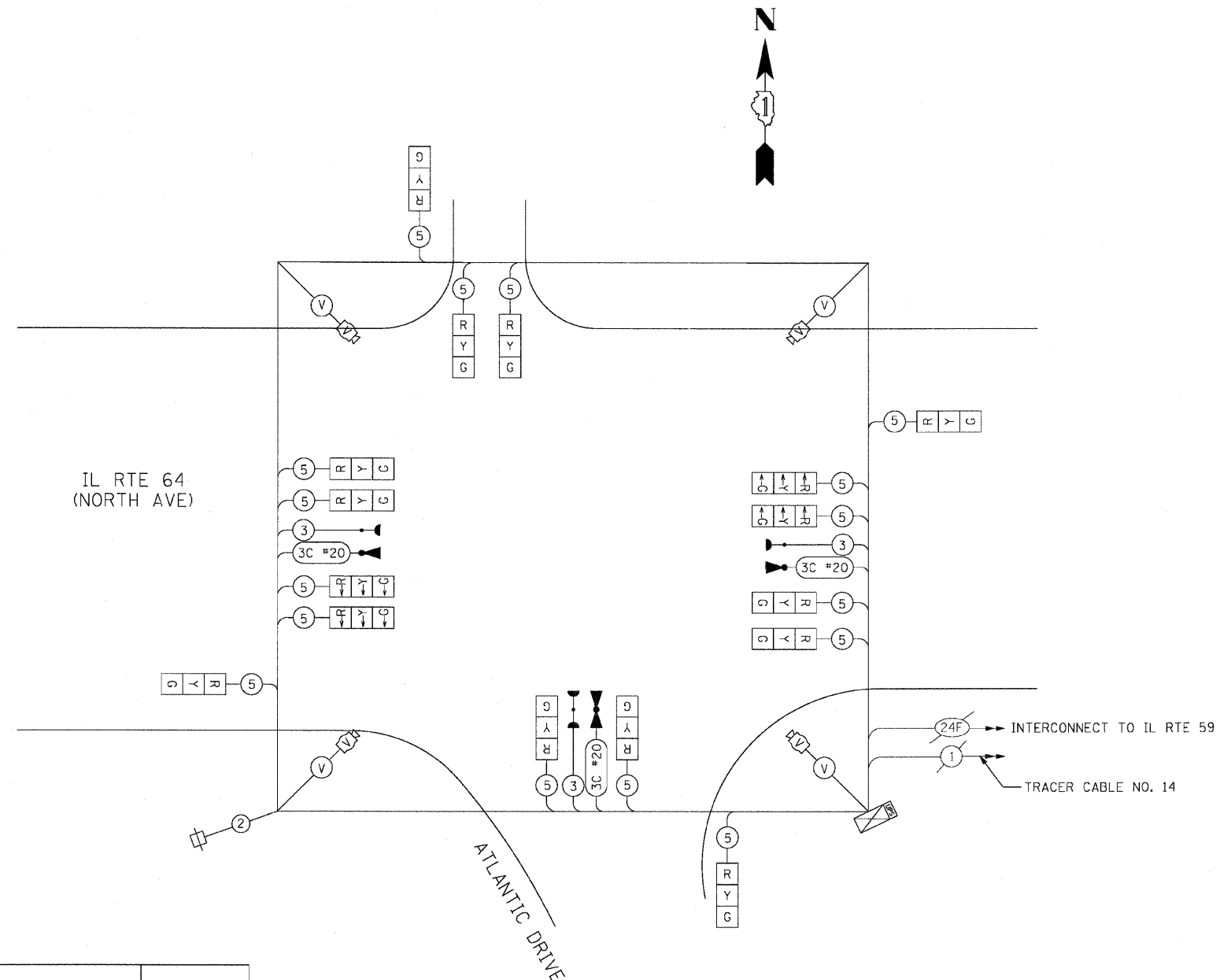
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 DATE: NOVEMBER 1, 2011

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 DESIGN BY: JS
 CHECKED BY: WP

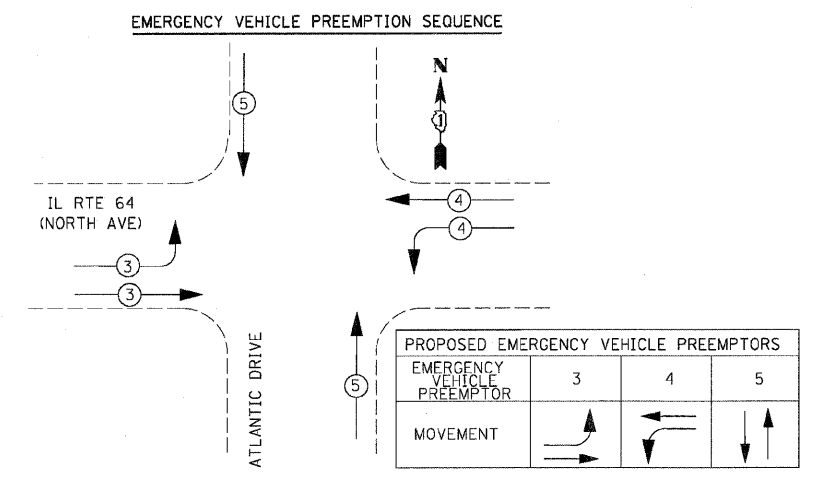
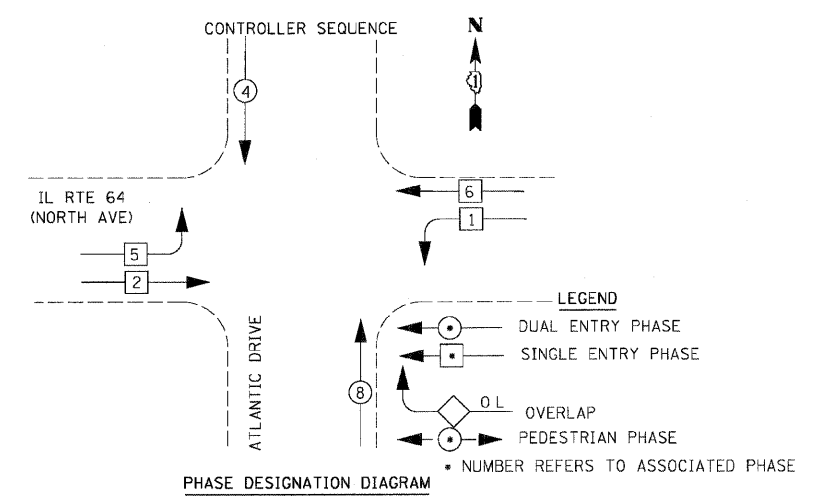


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	382
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



CABLE PLAN
NOT TO SCALE



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		17	50	102.00
(YELLOW)	12		25	25	75.00
(GREEN)	12		15	25	45.00
ARROW	12		12	10	14.40
PED. SIGNAL	0		25	100	0.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0.00
VIDEO SYSTEM	1	150		100	150.00
FLASHER				50	--
TOTAL =					486.40

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

ENERGY SUPPLY CONTACT: MARK GLOECKLE
 PHONE: (630) 691-4529
 COMPANY: COMED

REVISIONS	
NAME	DATE

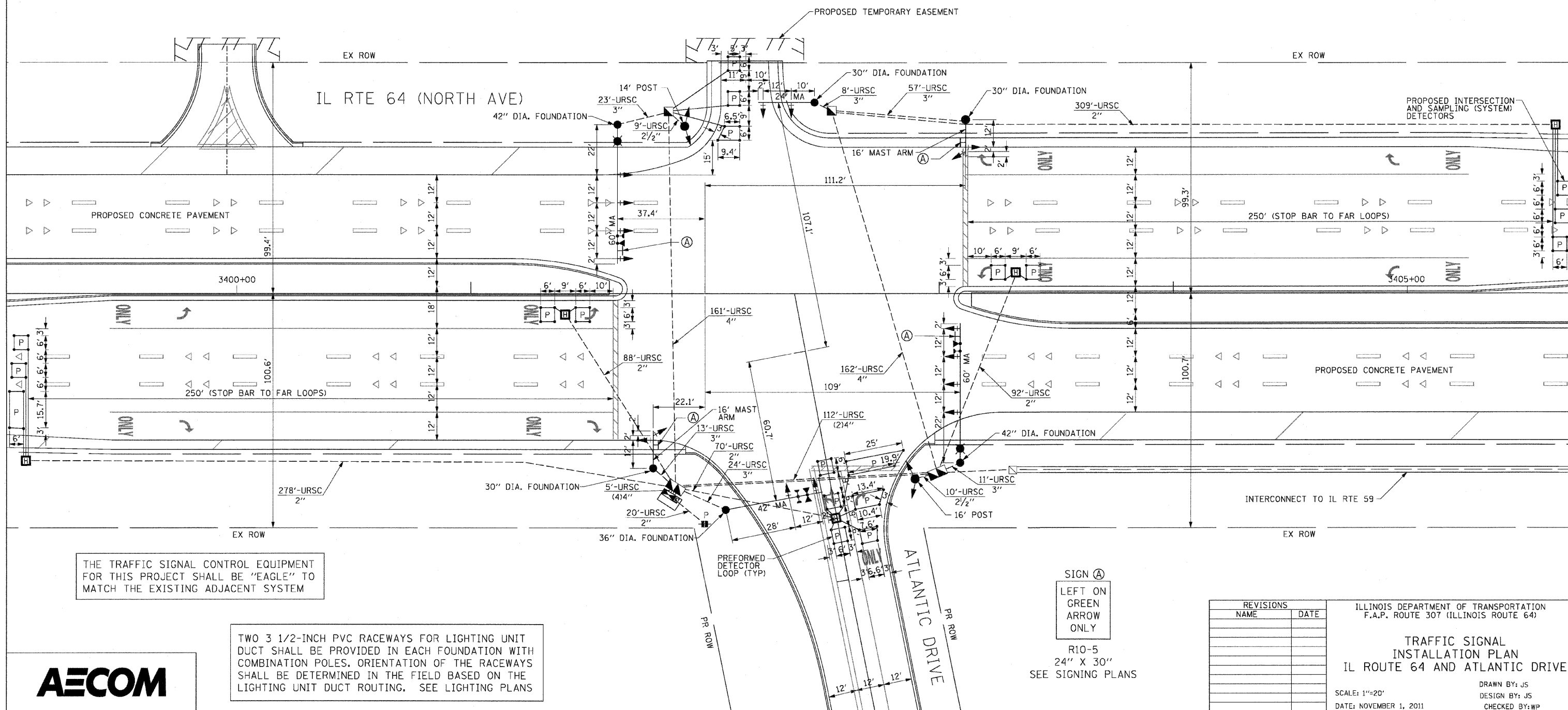
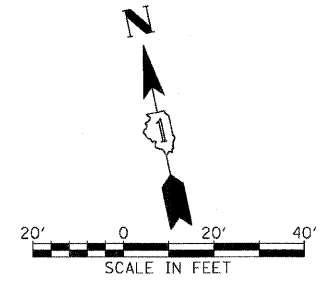
ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL RTE 64 & ATLANTIC DRIVE
 TEMPORARY CABLE PLAN &
 TEMPORARY PHASE DESIGNATION
 DIAGRAM & SCHEDULE OF QUANTITIES
 STAGES 1, 1A, & 2A

SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DESIGN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	383
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



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

TWO 3 1/2-INCH PVC RACEWAYS FOR LIGHTING UNIT DUCT SHALL BE PROVIDED IN EACH FOUNDATION WITH COMBINATION POLES. ORIENTATION OF THE RACEWAYS SHALL BE DETERMINED IN THE FIELD BASED ON THE LIGHTING UNIT DUCT ROUTING. SEE LIGHTING PLANS

SIGN (A)
 LEFT ON GREEN
 ARROW
 ONLY

R10-5
 24" X 30"
 SEE SIGNING PLANS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

**TRAFFIC SIGNAL
 INSTALLATION PLAN
 IL ROUTE 64 AND ATLANTIC DRIVE**

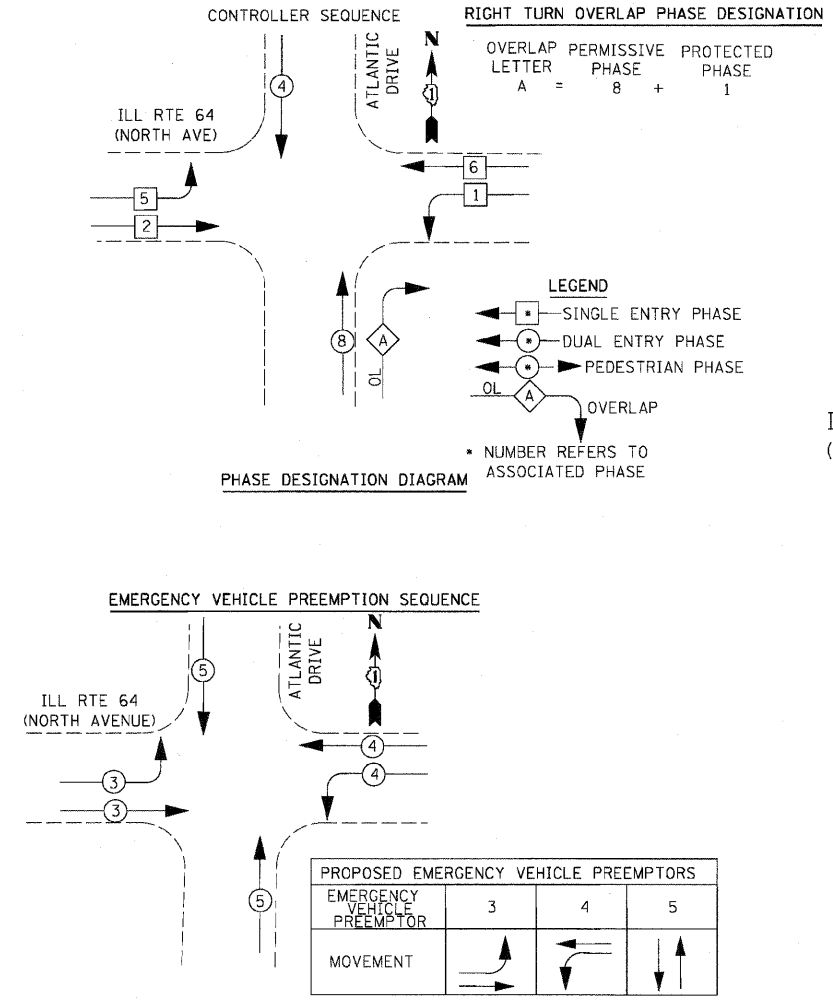
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 DATE: NOVEMBER 1, 2011

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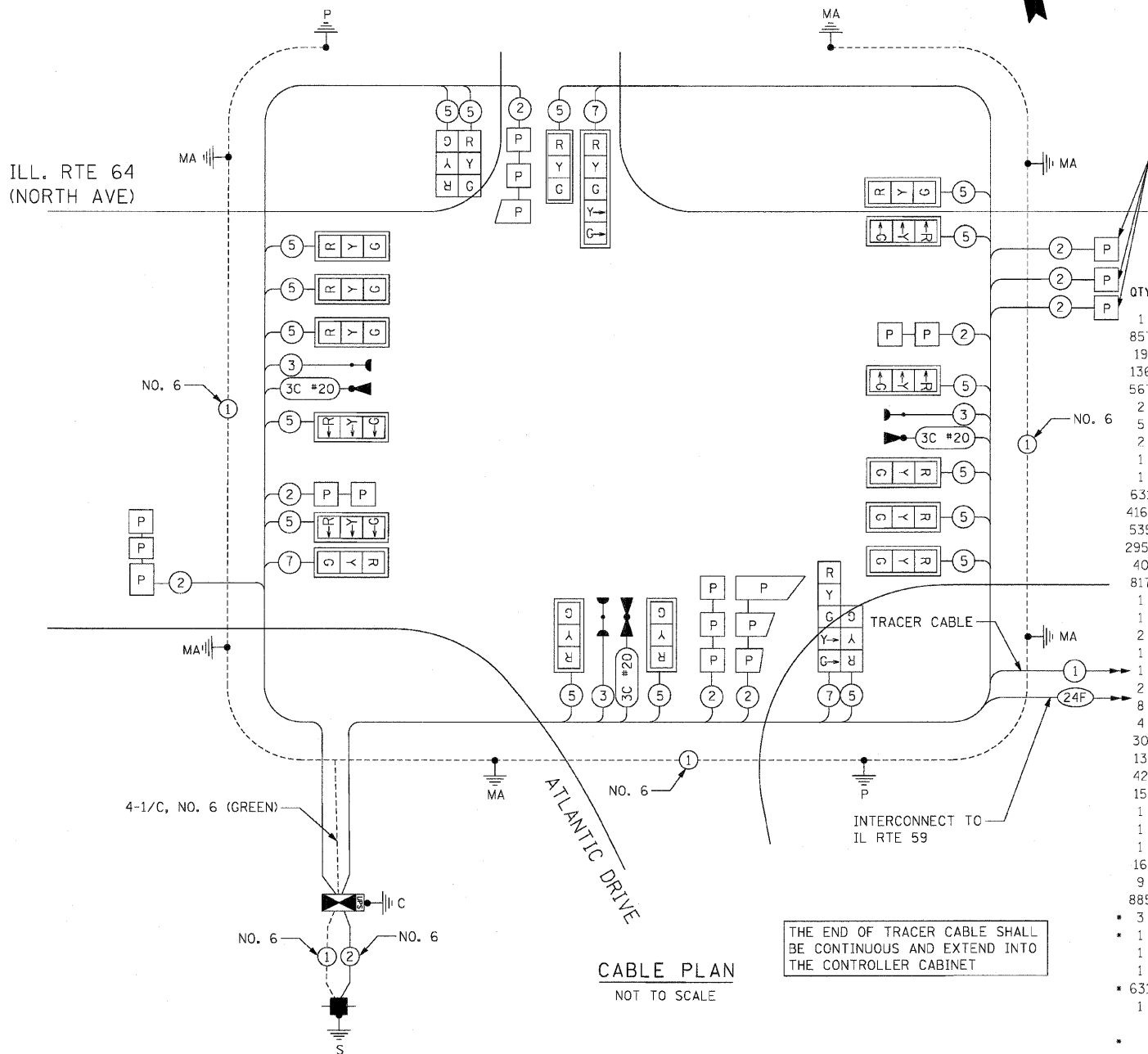


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	384
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			



QTY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
857	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
19	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
136	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
567	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
2	EACH	HANDHOLE
5	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
1	EACH	TRANSCEIVER-FIBER OPTIC
631	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C
4167	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C
535	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 7C
2953	FOOT	ELECTRICAL CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
40	FOOT	ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
817	FOOT	ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 24 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 42 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.
8	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
30	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
13	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
42	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
15	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED
16	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
9	EACH	INDUCTIVE LOOP DETECTOR
885	FOOT	PERFORMED DETECTOR LOOP
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
631	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

100% COST TO WEST CHICAGO FIRE PROTECTION DISTRICT

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	50	136.0
(YELLOW)	16		25	25	100.0
(GREEN)	16		15	25	60.00
ARROW	16		12	10	19.20
PED. SIGNAL	0		25	100	0
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	0		25	5	0
FLASHER	0		25	50	0
TOTAL =					415.2

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

ENERGY SUPPLY CONTACT: MARK GLOECKLE
 PHONE: (630) 691-4529
 COMPANY: COMED

FOR STREET LIGHTING, PROVIDE CONDUIT TO THE COMBINATION MAST ARM FOUNDATIONS AS SHOWN IN THE LIGHTING PLANS

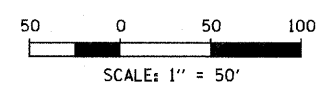
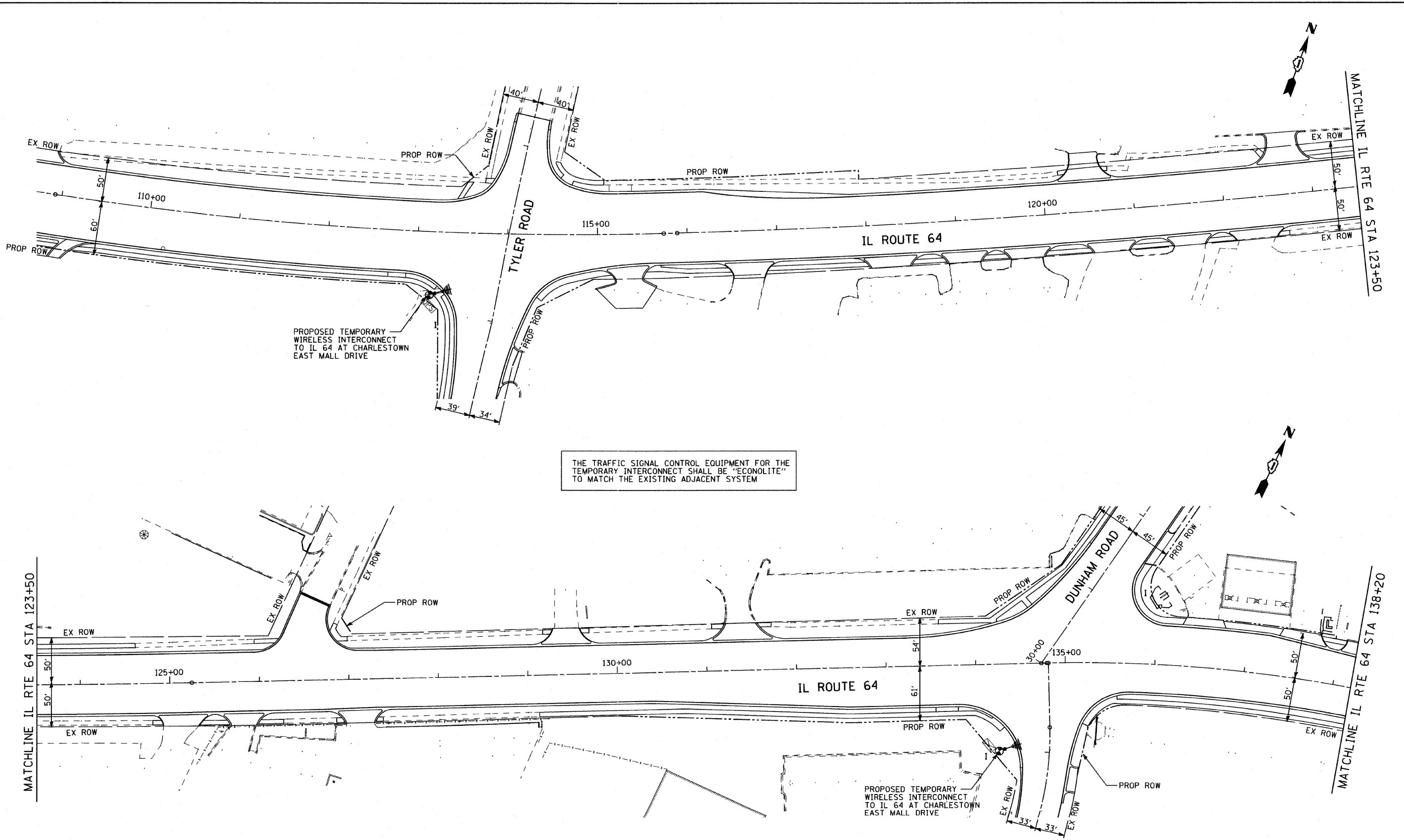
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 ILL. RTE. 64 (NORTH AVE)
 AND ATLANTIC DRIVE
 SCHEDULE OF QUANTITIES,
 CABLE PLAN

SCALE: NONE
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DRAWN BY: JS
 CHECKED BY: WP

CIVIL ENGINEERING CONSULTANTS
RWIA
 Regina Webster & Associates, Inc.
 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax: 773-283-2602
 www.RWIAengineers.com



SHEET 1 OF 8

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -
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	PLOT DATE = #DATE#	DATE -	REVISED -

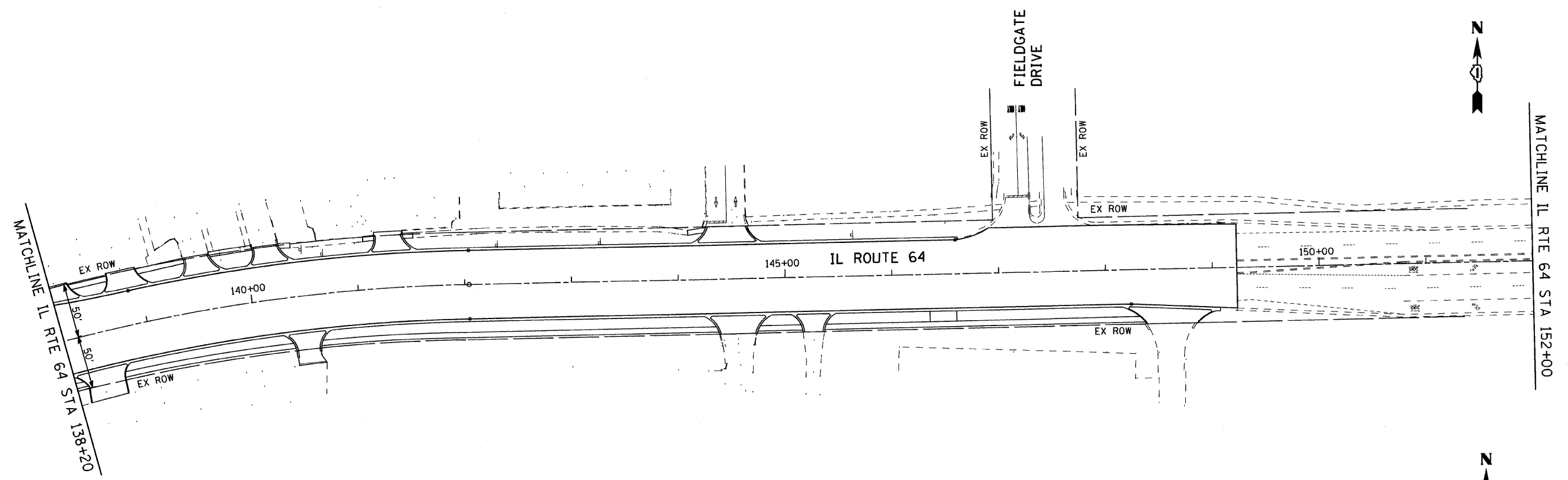
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY WIRELESS INTERCONNECT PLAN IL ROUTE 64
 WEST OF TYLER ROAD TO EAST OF DUNHAM ROAD**

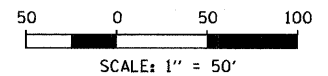
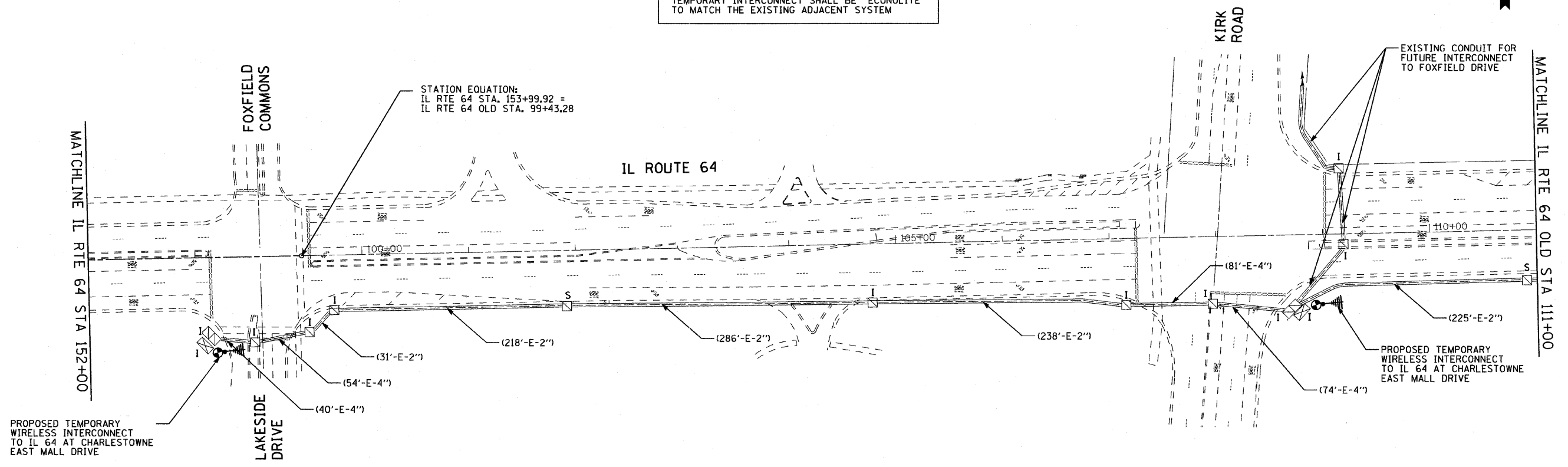
SCALE: 1"=50'-0" SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	KANE	647	385
CONTRACT NO. 62410				
ILLINOIS FED. AID PROJECT				

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 Chicago, IL 60631-3551
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 www.RWIAengineers.com



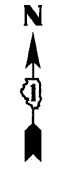
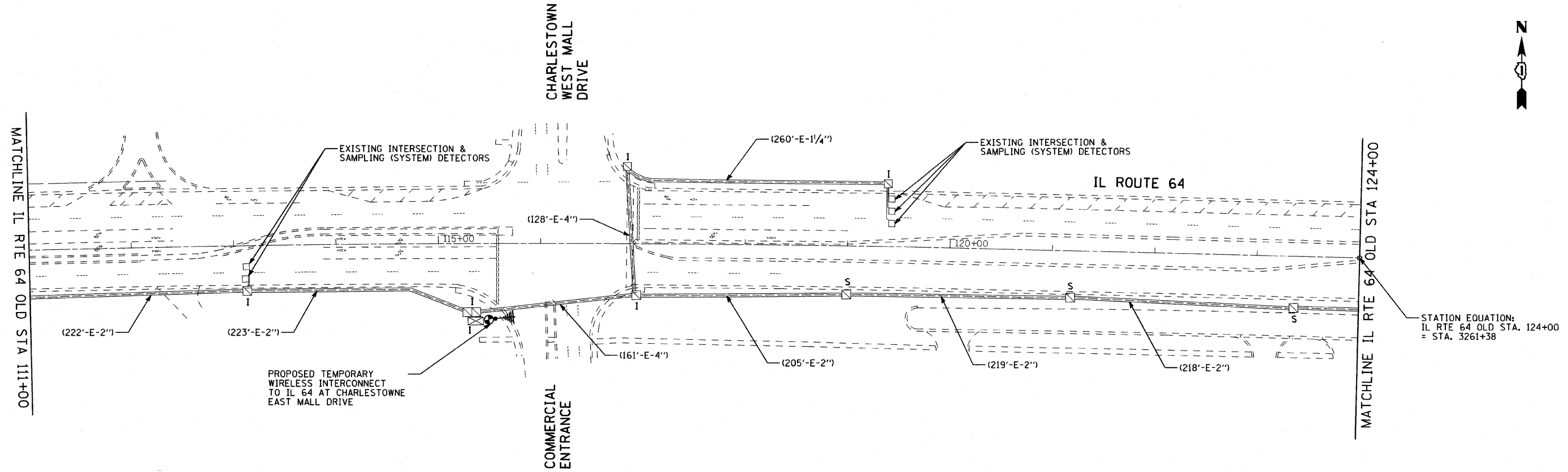
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THE TEMPORARY INTERCONNECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM



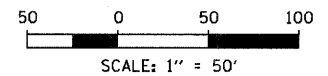
SHEET 2 OF 8

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	PLOT DATE = #DATE#	CHECKED - JS	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								

CIVIL ENGINEERING CONSULTANTS
RWA
 Regina Webster & Associates, Inc.
 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax 773-283-2602
 www.RWAengineers.com



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THE TEMPORARY INTERCONNECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

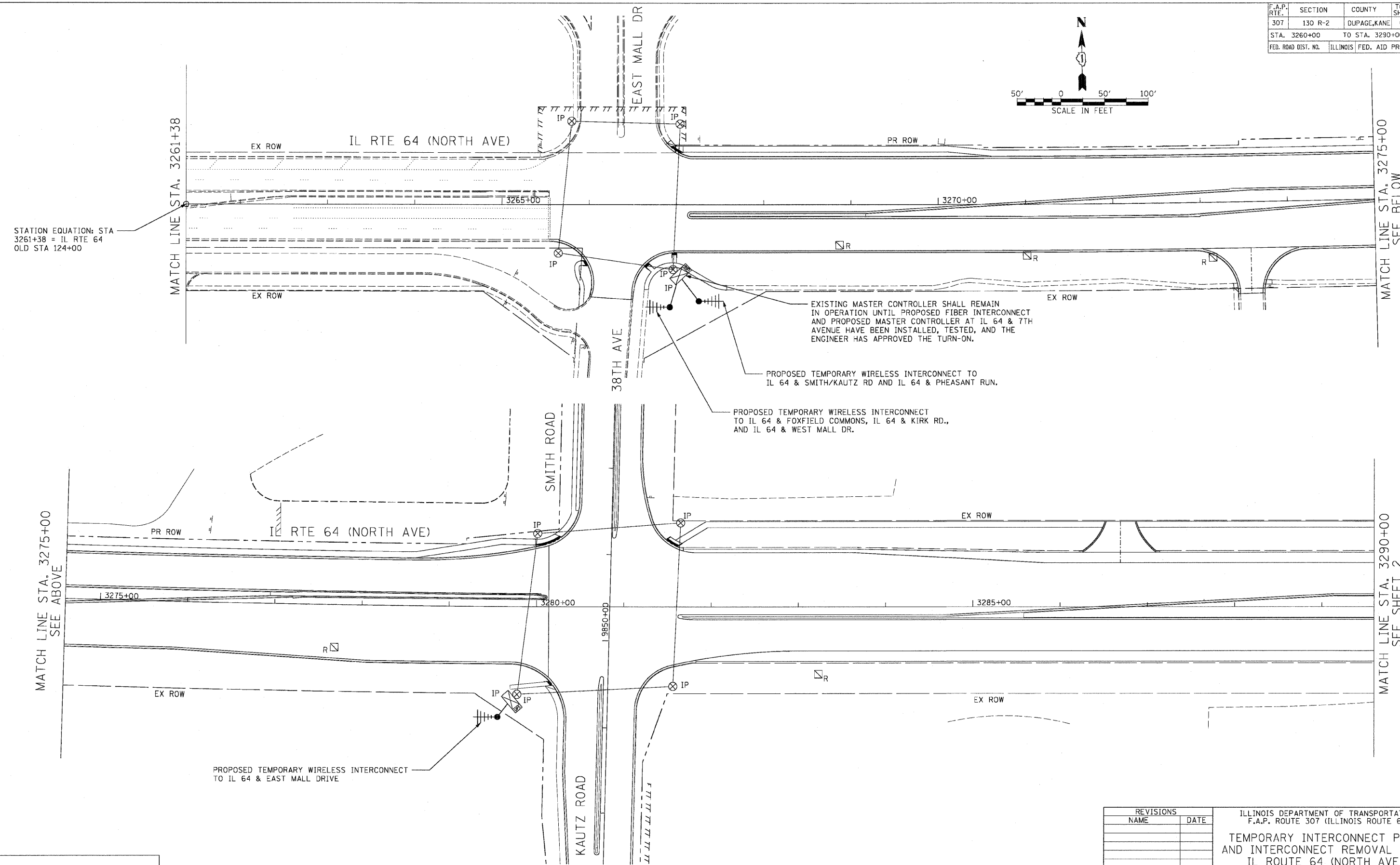
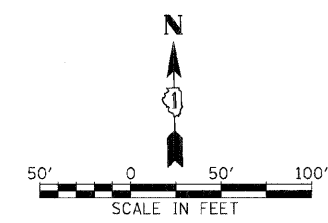


SHEET 3 OF 8

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY WIRELESS INTERCONNECT PLAN IL ROUTE 64 EAST OF KIRK ROAD TO EAST OF EAST MALL DRIVE	F.A. RTE. 307	SECTION 130 R-2	COUNTY KANE	TOTAL SHEETS 647	SHEET NO. 387	
	PLOT SCALE = #SCALE#	DRAWN - DW	REVISED -			SCALE: 1"=50'-0"	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 62410		ILLINOIS FED. AID PROJECT
	PLOT DATE = #DATE#	CHECKED - JS	REVISED -								
		DATE -	REVISED -								

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	388
STA. 3260+00		TO STA. 3290+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



STATION EQUATION: STA 3261+38 = IL RTE 64
 OLD STA 124+00

EXISTING MASTER CONTROLLER SHALL REMAIN IN OPERATION UNTIL PROPOSED FIBER INTERCONNECT AND PROPOSED MASTER CONTROLLER AT IL 64 & 7TH AVENUE HAVE BEEN INSTALLED, TESTED, AND THE ENGINEER HAS APPROVED THE TURN-ON.

PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 64 & SMITH/KAUTZ RD AND IL 64 & PHEASANT RUN.

PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 64 & FOXFIELD COMMONS, IL 64 & KIRK RD., AND IL 64 & WEST MALL DR.

PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 64 & EAST MALL DRIVE

MATCH LINE STA. 3275+00
 SEE ABOVE

MATCH LINE STA. 3290+00
 SEE SHEET 2

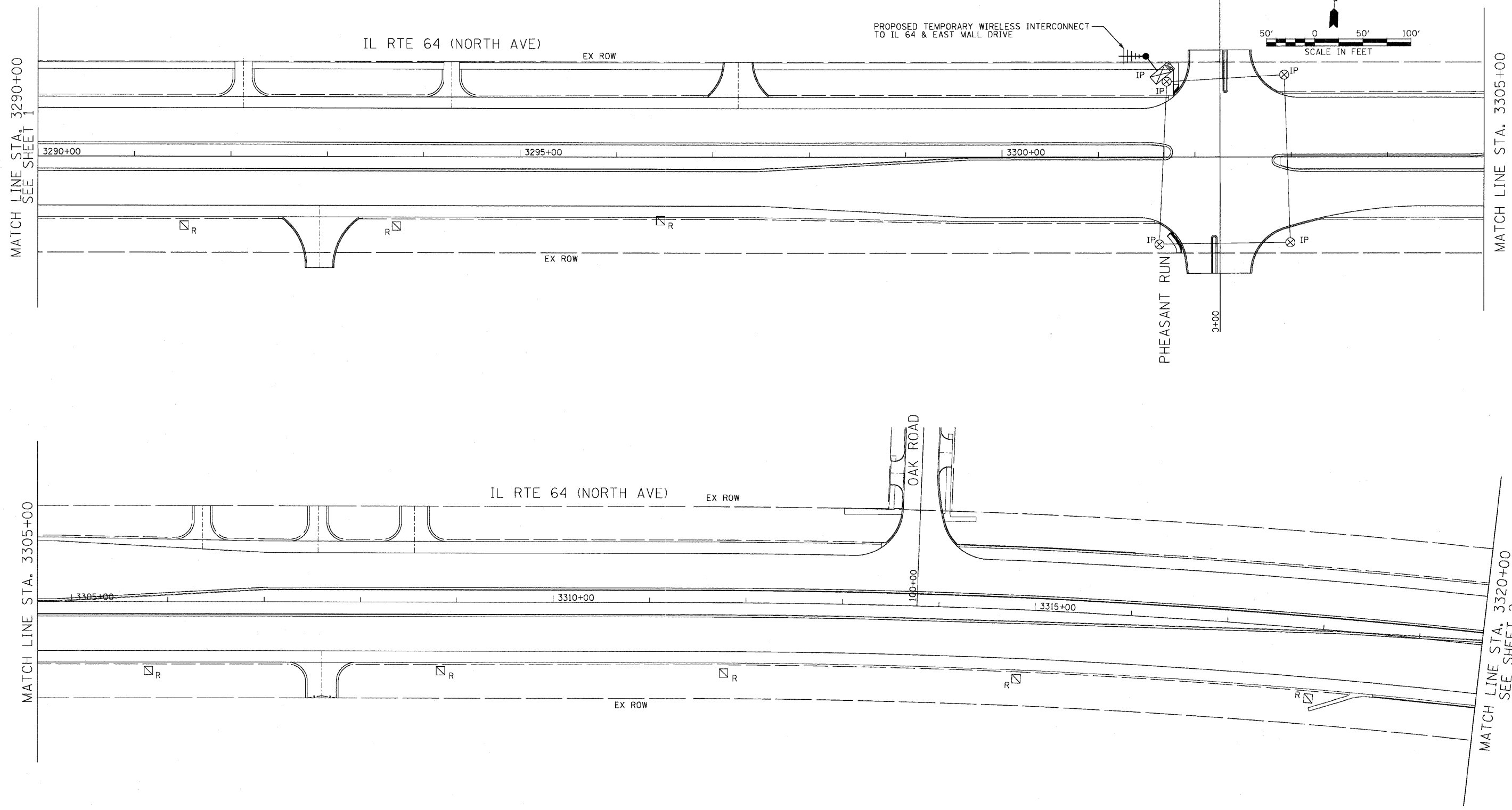
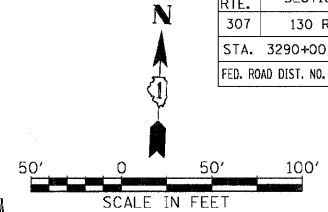


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
**TEMPORARY INTERCONNECT PLAN
 AND INTERCONNECT REMOVAL PLAN**
 IL ROUTE 64 (NORTH AVE)
 STA. 3261+38 TO STA. 3290+00
 SCALE: 1"=50'
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DRAWN BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	389
STA. 3290+00		TO STA. 3320+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

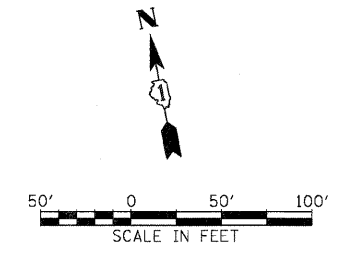
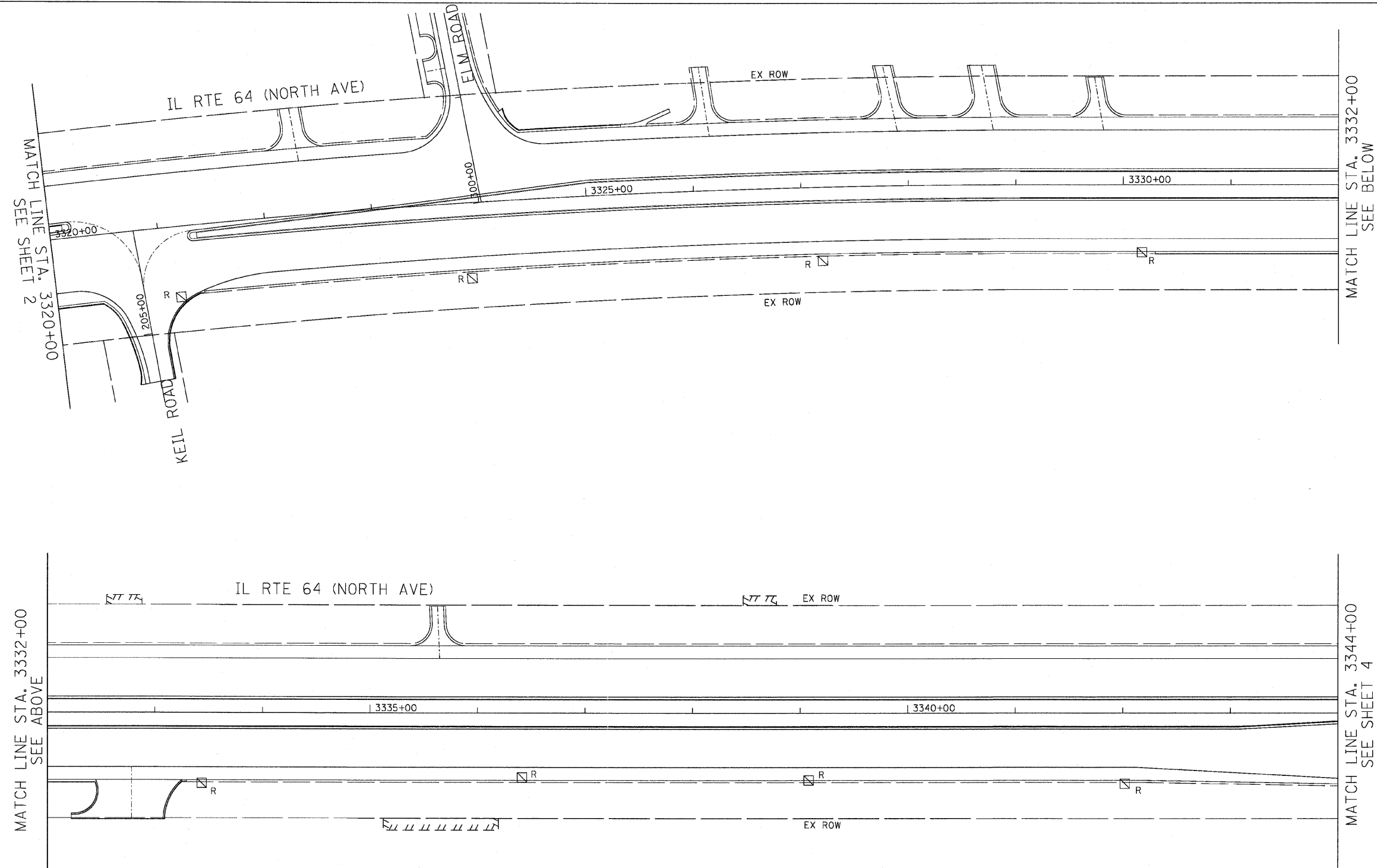
62410



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
NAME	DATE	
		TEMPORARY INTERCONNECT PLAN AND INTERCONNECT REMOVAL PLAN IL ROUTE 64 (NORTH AVE) STA. 3290+00 TO STA. 3320+00

SCALE: 1"=50' DRAWN BY: JS
 DATE: NOVEMBER 1, 2011 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	390
STA. 3320+00		TO STA. 3344+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62410				



MATCH LINE STA. 3332+00
SEE ABOVE

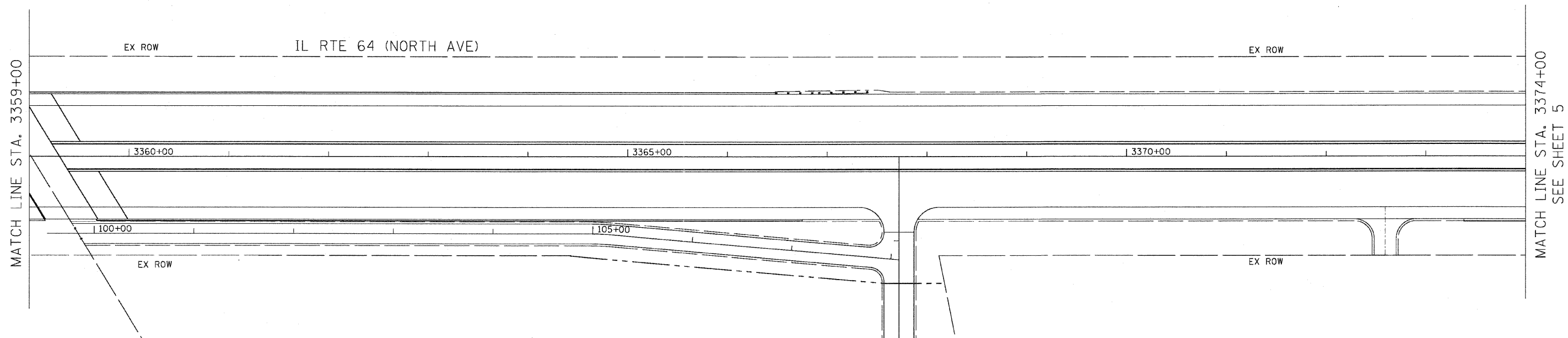
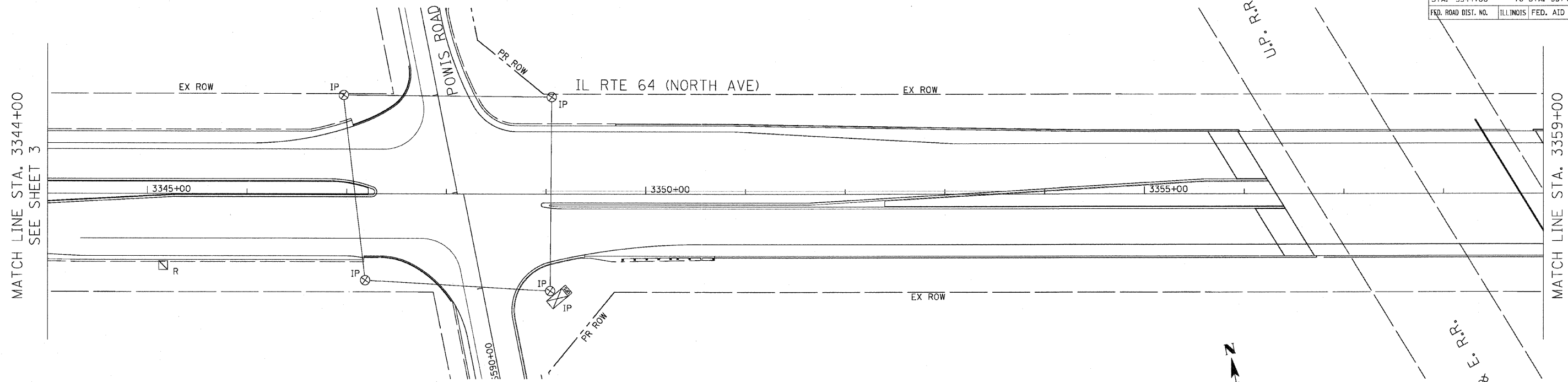
MATCH LINE STA. 3344+00
SEE SHEET 4



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY INTERCONNECT PLAN
 AND INTERCONNECT REMOVAL PLAN
 IL ROUTE 64 (NORTH AVE)
 STA. 3320+00 TO STA. 3344+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	391
STA. 3344+00		TO STA. 3374+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62410				

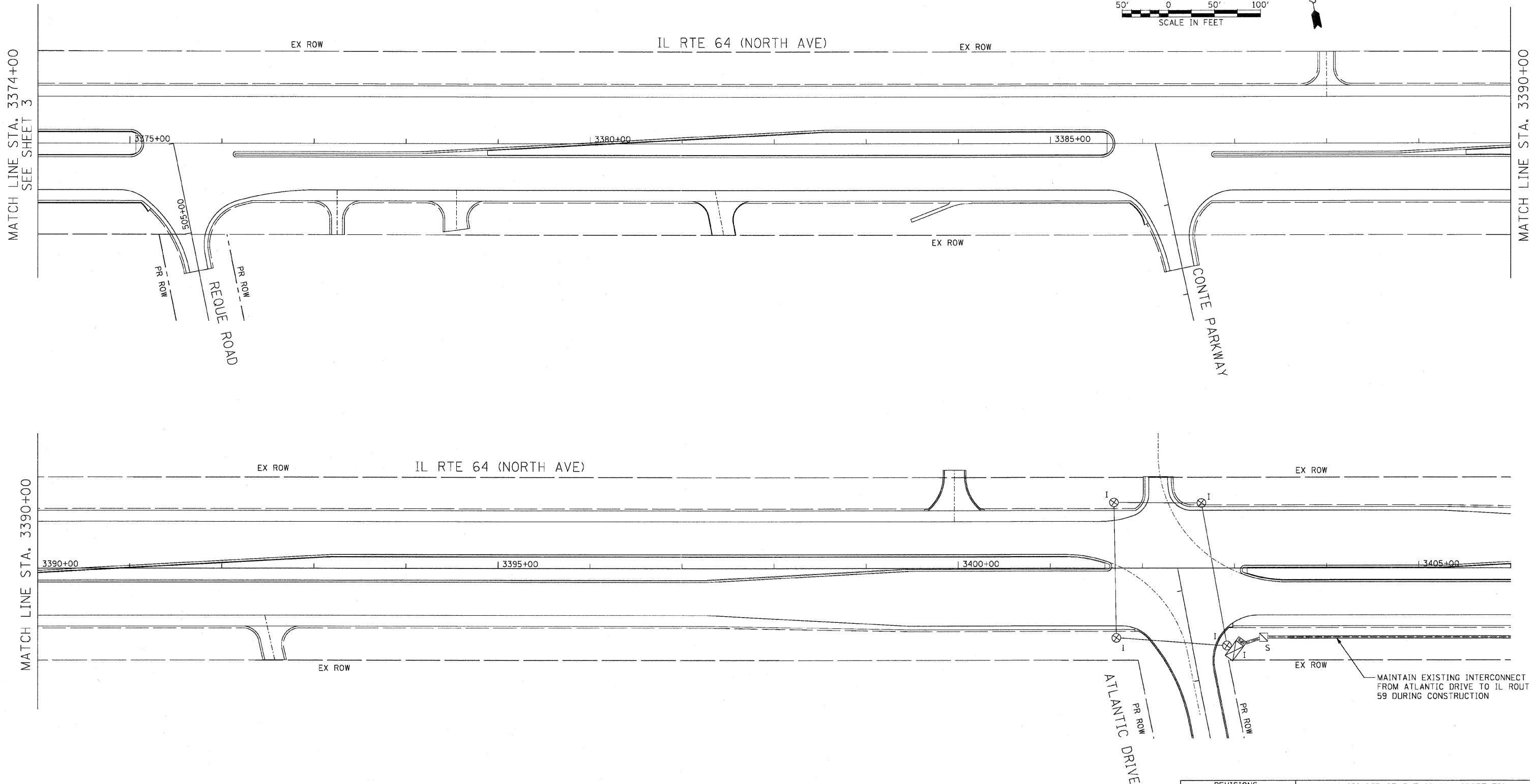
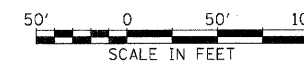


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY INTERCONNECT PLAN
 AND INTERCONNECT REMOVAL PLAN
 IL ROUTE 64 (NORTH AVE)
 STA. 3344+00 TO STA. 3374+00
 DRAWN BY: JS
 DESIGNED BY: JS
 CHECKED BY: WP
 SCALE: 1"=50'
 DATE: NOVEMBER 1, 2011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	392
STA. 3374+00		TO STA. 3406+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

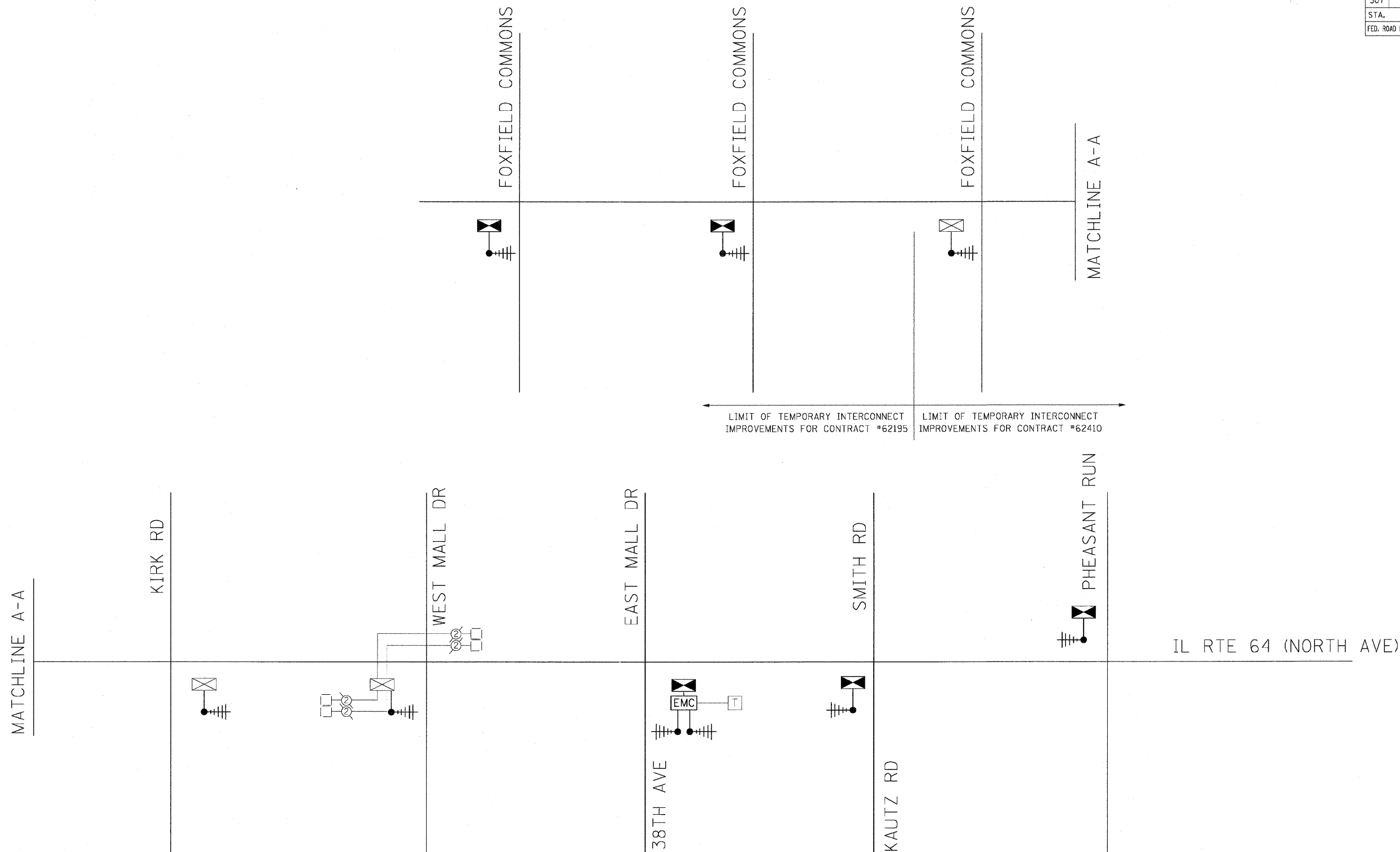


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY INTERCONNECT PLAN
 AND INTERCONNECT REMOVAL PLAN
 IL ROUTE 64 (NORTH AVE)
 STA. 3374+00 TO STA. 3406+00
 DRAWN BY: JS
 DESIGNED BY: JS
 CHECKED BY: WP
 SCALE: 1"=50'
 DATE: NOVEMBER 1, 2011



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	393
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		62410		



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

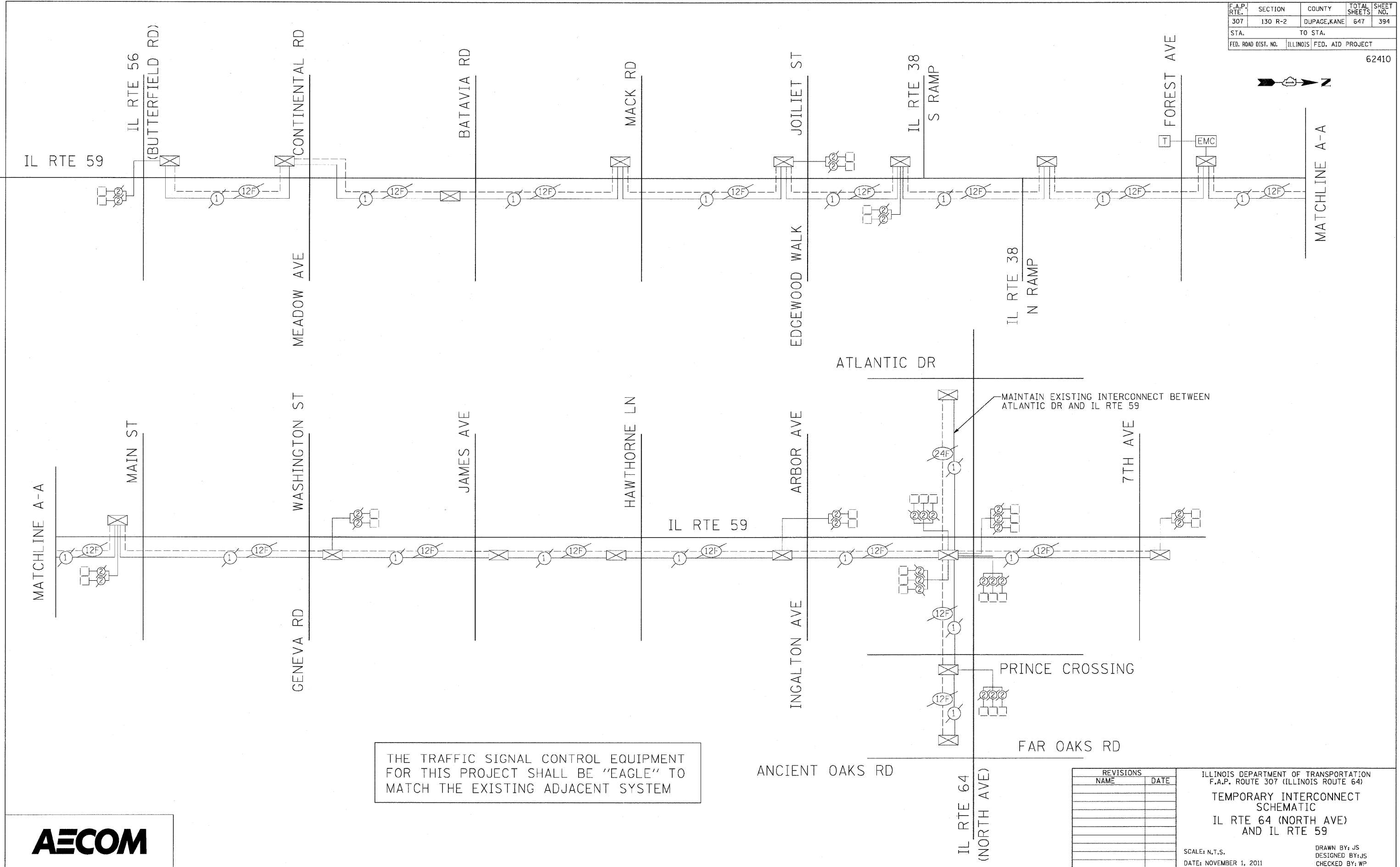


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
 TEMPORARY INTERCONNECT SCHEMATIC
 IL RTE 64 (NORTH AVE)
 TYLER ROAD TO POWIS ROAD
 SCALE: N.T.S.
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGNED BY: JS
 CHECKED BY: WP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	394
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



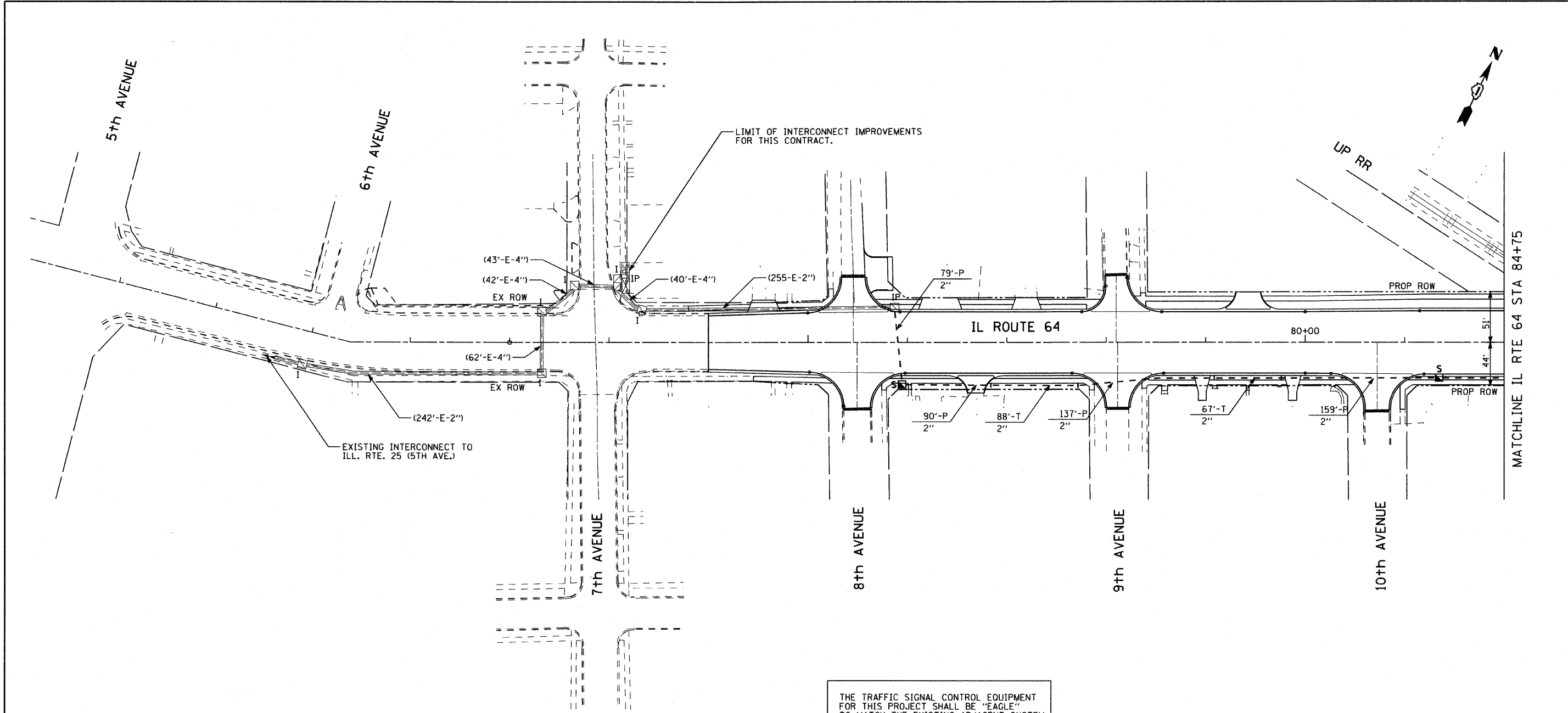
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)
TEMPORARY INTERCONNECT SCHEMATIC
 IL RTE 64 (NORTH AVE) AND IL RTE 59
 SCALE: N.T.S.
 DATE: NOVEMBER 1, 2011
 DRAWN BY: JS
 DESIGNED BY: JS
 CHECKED BY: WP

CIVIL ENGINEERING CONSULTANTS
RWA
 Regina Webster & Associates, Inc.
 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax 773-283-2602
 www.RWAengineers.com

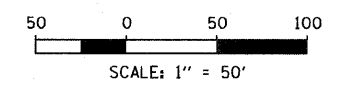


THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM

CONTRACTOR SHALL CLEAN OUT AND INSPECT EXISTING INTERCONNECT CONDUIT TO BE REUSED AS PART OF CONTRACT #62410

ALL FIBER OPTIC AND TRACER CABLE WILL BE INSTALLED AS PART OF CONTRACT #62410

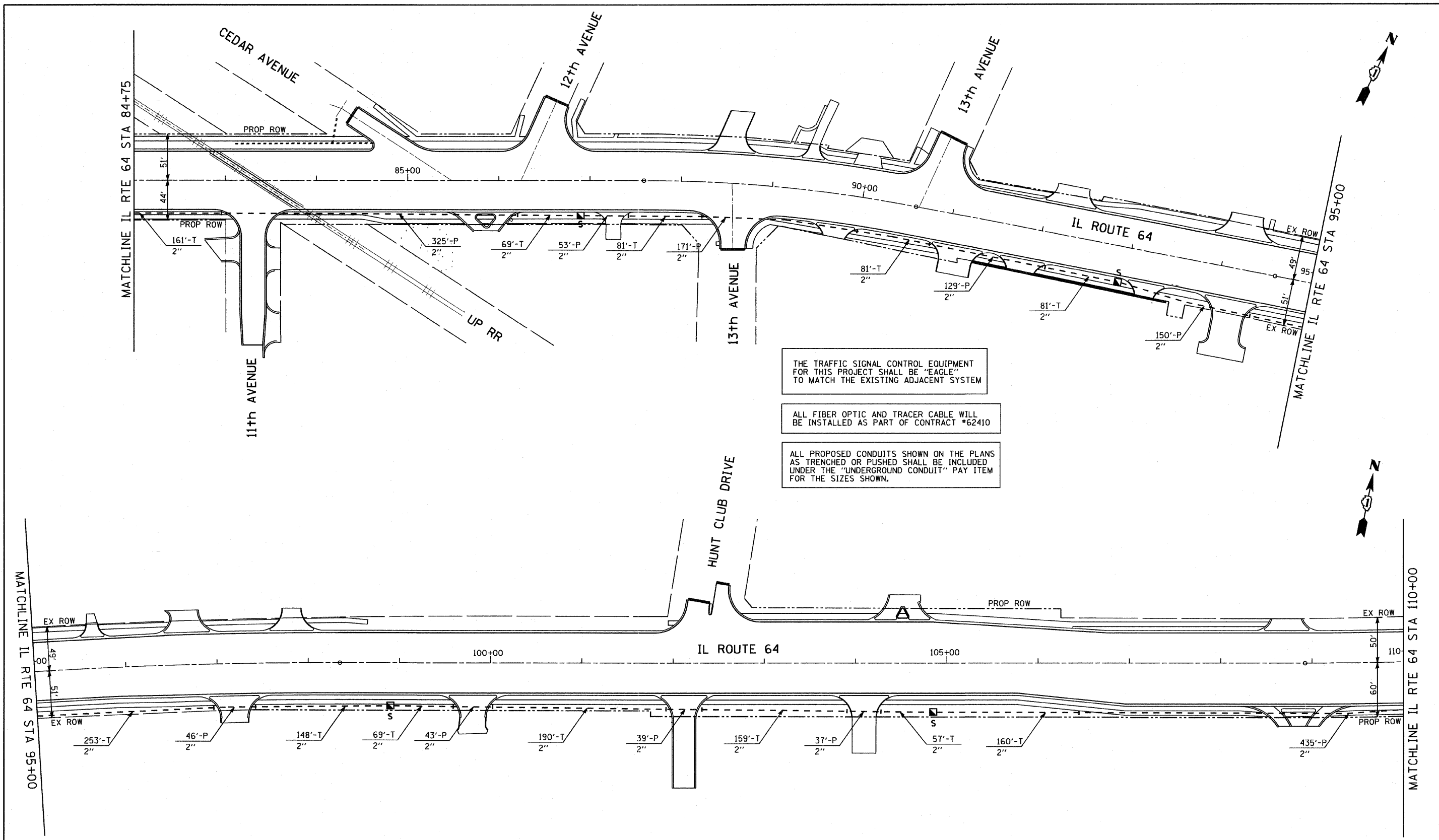
ALL PROPOSED CONDUITS SHOWN ON THE PLANS AS TRENCHED OR PUSHED SHALL BE INCLUDED UNDER THE "UNDERGROUND CONDUIT" PAY ITEM FOR THE SIZES SHOWN.



SHEET 1 OF 8

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 64 5th AVENUE TO EAST OF 11th AVENUE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
#FILE#		DRAWN - DW	REVISED -		SCALE: 1"=50'-0"	SHEET NO.	OF	SHEETS	STA.	TO STA.	307	130 R-2	KANE	647	395
		CHECKED - JS	REVISED -		CONTRACT NO. 62410										
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

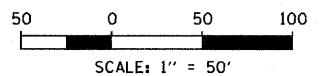
CIVIL ENGINEERING CONSULTANTS
RWA
 Regina Webster & Associates, Inc.
 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax: 773-283-2602
 www.rwaengineers.com



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

ALL FIBER OPTIC AND TRACER CABLE WILL BE INSTALLED AS PART OF CONTRACT #62410

ALL PROPOSED CONDUITS SHOWN ON THE PLANS AS TRENCHED OR PUSHED SHALL BE INCLUDED UNDER THE "UNDERGROUND CONDUIT" PAY ITEM FOR THE SIZES SHOWN.



SHEET 2 OF 8

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -
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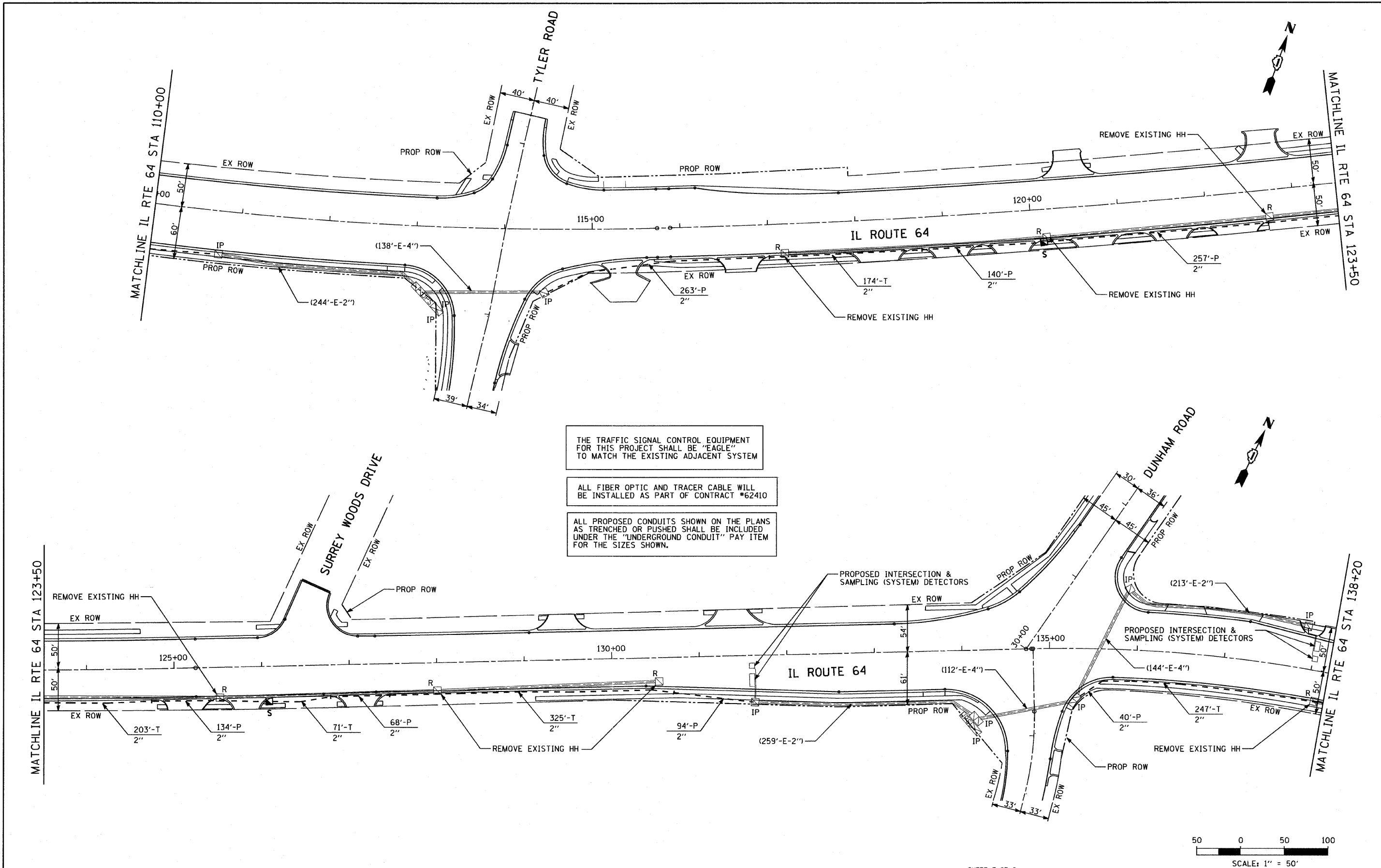
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN IL ROUTE 64
 EAST OF 11th AVENUE TO WEST OF TYLER ROAD**

SCALE: 1"=50'-0" SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	KANE	647	396
CONTRACT NO. 62410				
ILLINOIS FED. AID PROJECT				

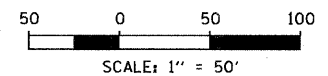
CIVIL ENGINEERING CONSULTANTS
RWIA
 Regina Webster & Associates, Inc.
 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax: 773-283-2602
 www.RWIAengineers.com



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

ALL FIBER OPTIC AND TRACER CABLE WILL BE INSTALLED AS PART OF CONTRACT #62410

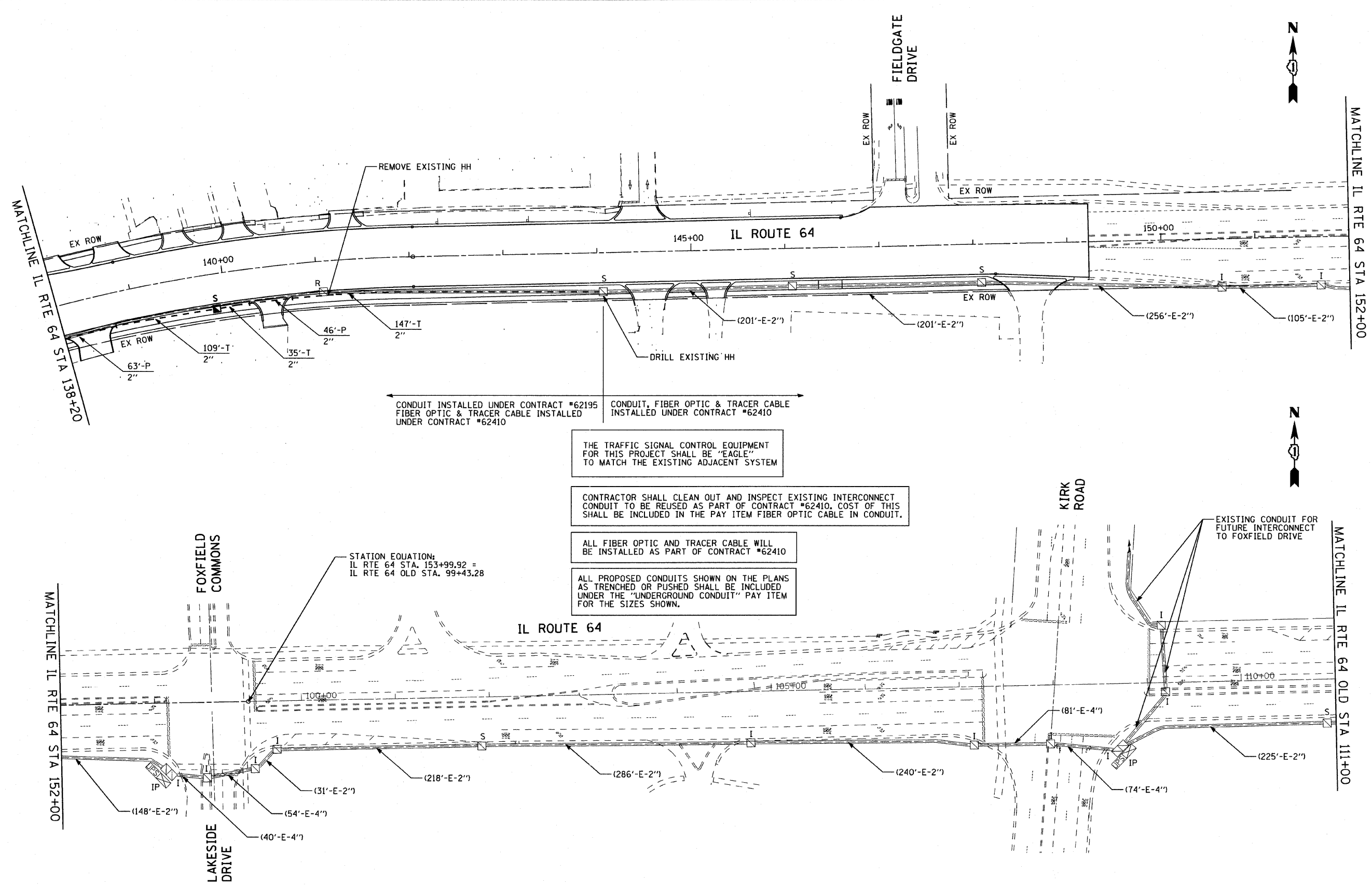
ALL PROPOSED CONDUITS SHOWN ON THE PLANS AS TRENCHED OR PUSHED SHALL BE INCLUDED UNDER THE "UNDERGROUND CONDUIT" PAY ITEM FOR THE SIZES SHOWN.



SHEET 3 OF 8

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - DW	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 64 WEST OF TYLER ROAD TO EAST OF DUNHAM ROAD				F.A. RTE. 307	SECTION 130 R-2	COUNTY KANE	TOTAL SHEETS 647	SHEET NO. 397
		DRAWN - DW	REVISIONS -		SCALE: 1"=50'-0" SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 62410				
		CHECKED - JS	REVISIONS -						ILLINOIS FED. AID PROJECT				
		DATE -	REVISIONS -										

CIVIL ENGINEERING CONSULTANTS
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 8619 W. Bryn Mawr Ave., Suite 602
 Chicago, IL 60631-3551
 773-283-2600 Fax: 773-283-2602
 www.RWAEngineers.com



CONDUIT INSTALLED UNDER CONTRACT #62195
 FIBER OPTIC & TRACER CABLE INSTALLED
 UNDER CONTRACT #62410

CONDUIT, FIBER OPTIC & TRACER CABLE
 INSTALLED UNDER CONTRACT #62410

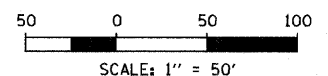
THE TRAFFIC SIGNAL CONTROL EQUIPMENT
 FOR THIS PROJECT SHALL BE "EAGLE"
 TO MATCH THE EXISTING ADJACENT SYSTEM

CONTRACTOR SHALL CLEAN OUT AND INSPECT EXISTING INTERCONNECT
 CONDUIT TO BE REUSED AS PART OF CONTRACT #62410. COST OF THIS
 SHALL BE INCLUDED IN THE PAY ITEM FIBER OPTIC CABLE IN CONDUIT.

ALL FIBER OPTIC AND TRACER CABLE WILL
 BE INSTALLED AS PART OF CONTRACT #62410

ALL PROPOSED CONDUITS SHOWN ON THE PLANS
 AS TRENCHED OR PUSHED SHALL BE INCLUDED
 UNDER THE "UNDERGROUND CONDUIT" PAY ITEM
 FOR THE SIZES SHOWN.

STATION EQUATION:
 IL RTE 64 STA. 153+99.92 =
 IL RTE 64 OLD STA. 99+43.28



SHEET 4 OF 8

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -
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	PLOT DATE = #DATE#	DATE -	REVISED -

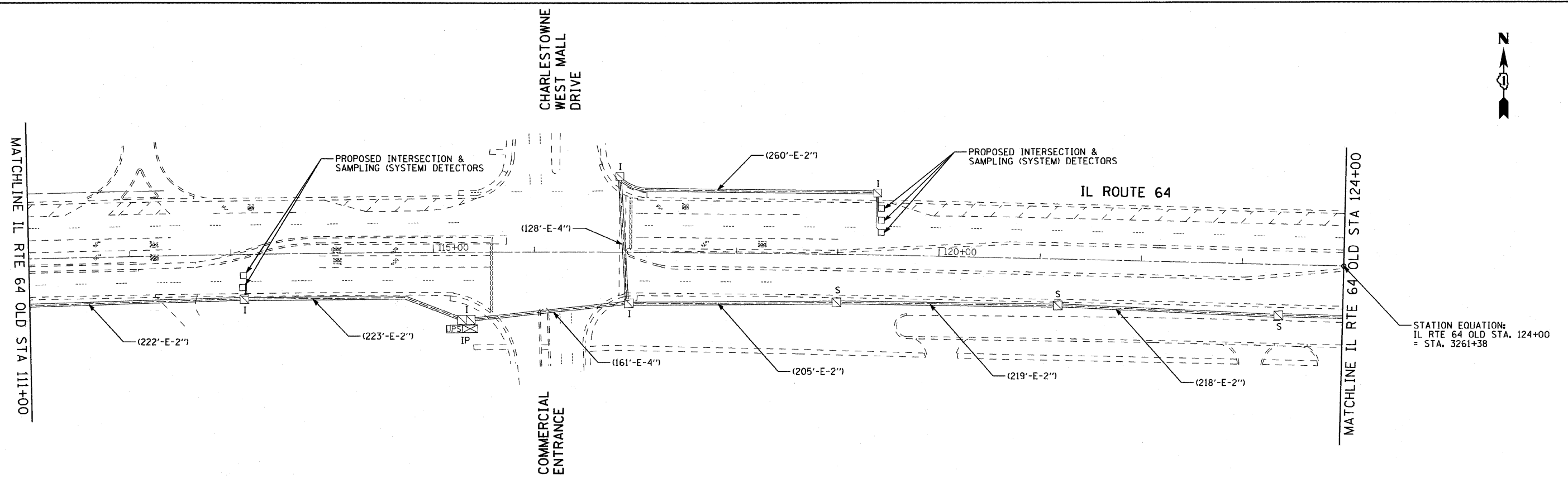
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN IL ROUTE 64
EAST OF DUNHAM ROAD TO WEST OF KIRK ROAD

SCALE: 1"=50'-0" SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	KANE	647	398
CONTRACT NO. 62410				
ILLINOIS FED. AID PROJECT				

CIVIL ENGINEERING CONSULTANTS
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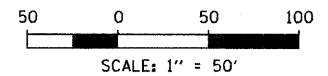
STATION EQUATION:
 IL RTE 64 OLD STA. 124+00
 = STA. 3261+38

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

CONTRACTOR SHALL CLEAN OUT AND INSPECT EXISTING INTERCONNECT CONDUIT TO BE REUSED AS PART OF CONTRACT #62410. COST OF THIS SHALL BE INCLUDED IN THE PAY ITEM FIBER OPTIC CABLE IN CONDUIT.

ALL FIBER OPTIC AND TRACER CABLE WILL BE INSTALLED AS PART OF CONTRACT #62410

ALL PROPOSED CONDUITS SHOWN ON THE PLANS AS TRENCHED OR PUSHED SHALL BE INCLUDED UNDER THE "UNDERGROUND CONDUIT" PAY ITEM FOR THE SIZES SHOWN.



SHEET 5 OF 8

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -
#FILEL#		DRAWN - DW	REVISED -
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	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

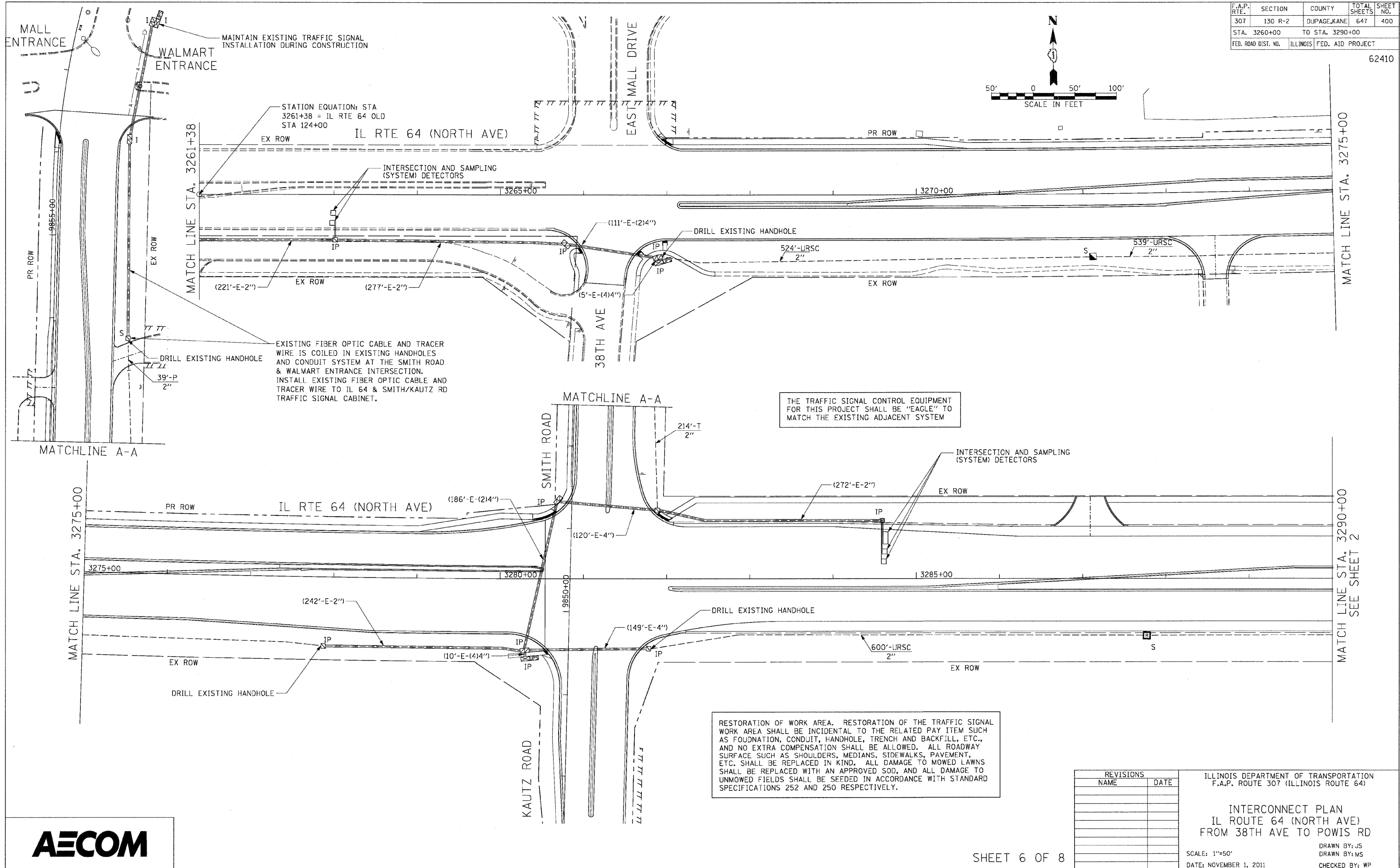
INTERCONNECT PLAN IL ROUTE 64
EAST OF KIRK ROAD TO EAST OF EAST MALL DRIVE

SCALE: 1"=50'-0" SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	KANE	647	399
CONTRACT NO. 62410				
ILLINOIS FED. AID PROJECT				

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	400
STA. 3260+00		TO STA. 3290+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410



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

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 SURFACE 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.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 307 (ILLINOIS ROUTE 64)

**INTERCONNECT PLAN
 IL ROUTE 64 (NORTH AVE)
 FROM 38TH AVE TO POWIS RD**

SCALE: 1"=50'
 DATE: NOVEMBER 1, 2011

DRAWN BY: JS
 DRAWN BY: MS
 CHECKED BY: WP

