

# SIGN PANEL - TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2

# **SCHEDULE OF QUANTITIES**

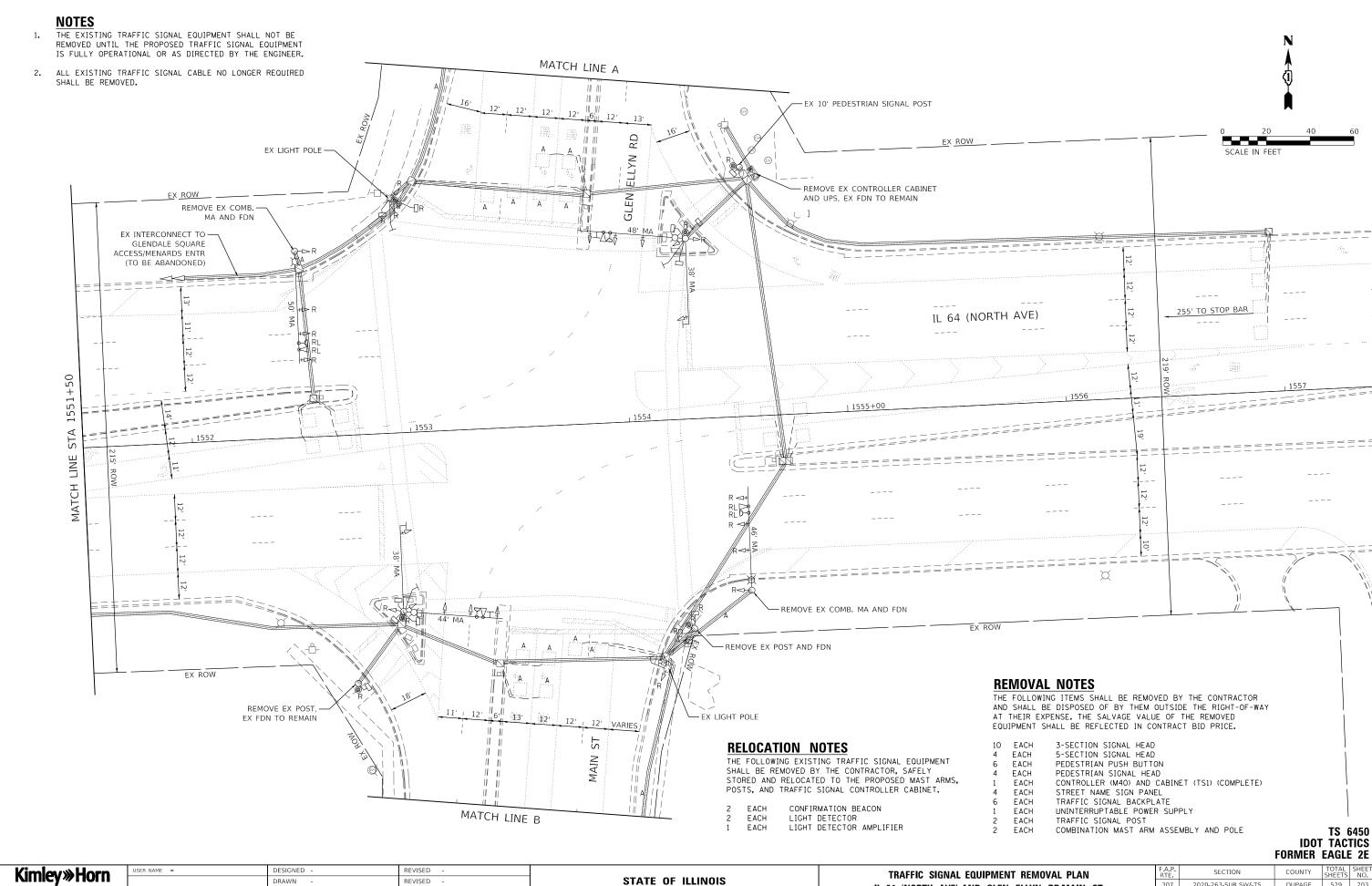
ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	72
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	141
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	548
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3517
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1873
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1918
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	39
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	252
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	22
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
DRILL EXISTING HANDHOLE	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	6
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5938
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	548
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
TACTICS LICENSE EXPANSION	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
LED SIGNAL FACE, LENS COVER	_	22
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH EACH	22
- 100% COST TO THE VILLAGE OF GLENDALE HEIGHTS	LEACH	

\* - 100% COST TO THE VILLAGE OF GLENDALE HEIGHTS

TS 11390 IDOT TACTICS FORMER EAGLE 2E

<b>Kimley Horn</b>
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
4201 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-487-5550

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PLOT DATE =	DATE -	REVISED -	

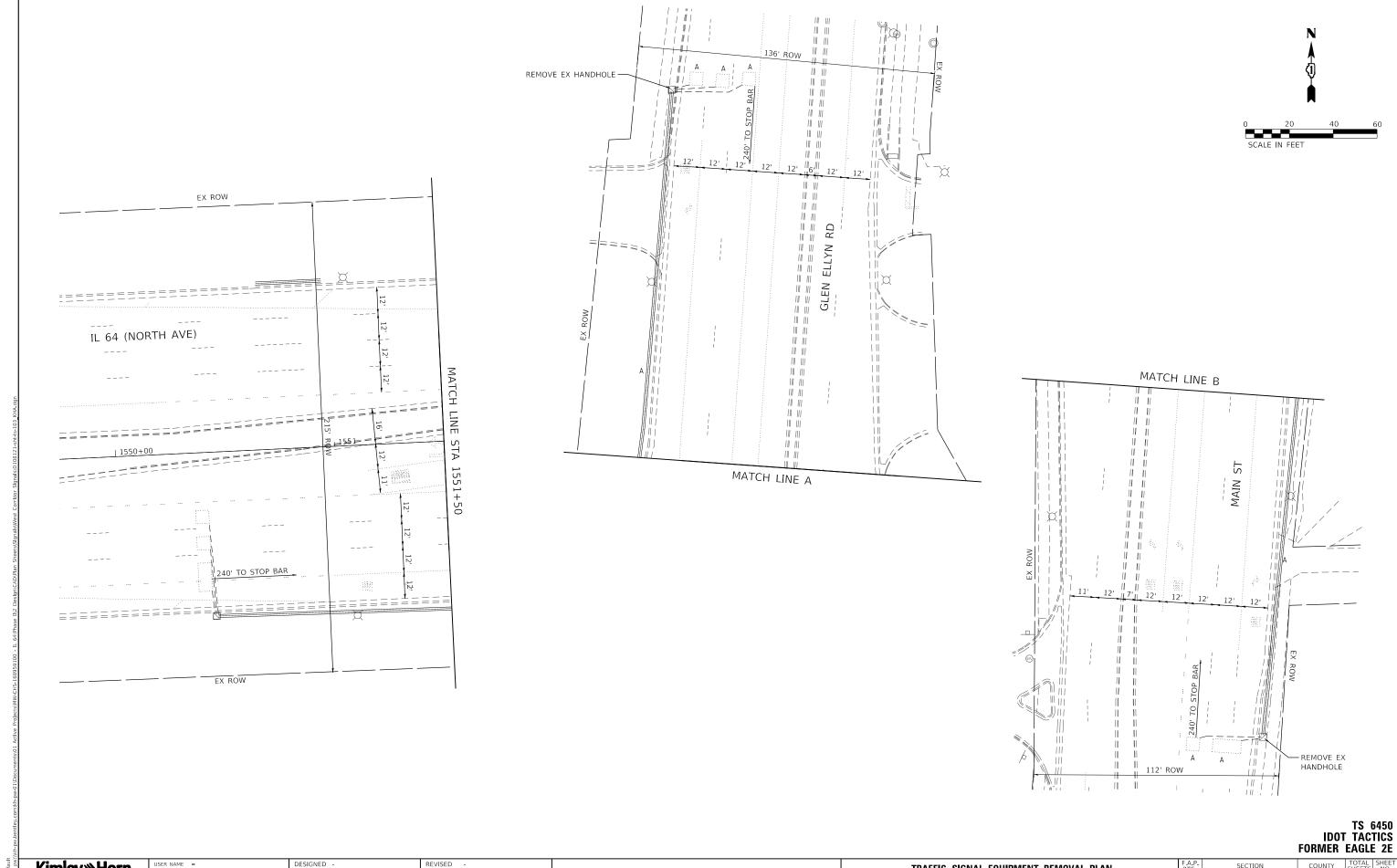


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**DEPARTMENT OF TRANSPORTATION** 

IL 64 (NORTH AVE) AND GLEN ELLYN RD/MAIN ST

2020-263-SUR,SW&TS DUPAGE 529 203 CONTRACT NO. 62N33



MODEL

Kimley» Horn

9 2023 MM,EY-HÖRN AD A SOCILATES, INC.
40 MMPRILD ROAD, SUFF 800
PHORE 800-810 7-5500
WWW.SIMEEY-RORCOM

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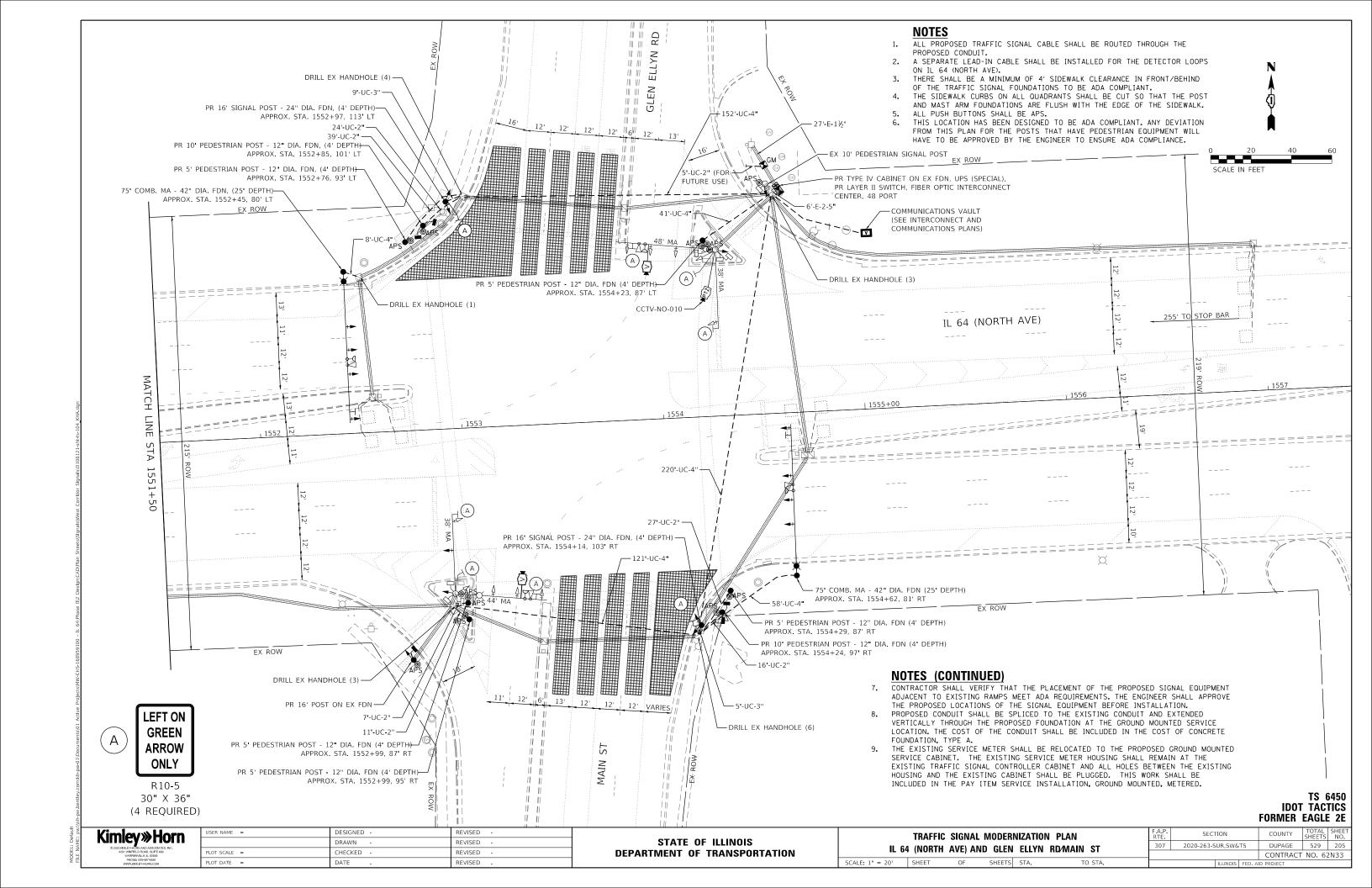
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN

IL 64 (NORTH AVE) AND GLEN ELLYN RD/MAIN ST

20 SHEET OF SHEETS STA. TO STA.

A.P. SECTION COUNTY TOTAL SHEETS NO. 2020-263-SUR,SW&TS DUPAGE 529 204

CONTRACT NO. 62N33



TRAFFIC SIGNAL MODERNIZATION PLAN IL 64 (NORTH AVE) AND GLEN ELLYN RD/MAIN ST SCALE: 1" = 20' SHEET OF SHEETS STA.

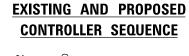
TS 6450 IDOT TACTICS FORMER EAGLE 2E F.A.P. SECTION COUNTY TOTAL SHEETS NO.
307 2020-263-SUR,SW&TS DUPAGE 529 206 CONTRACT NO. 62N33

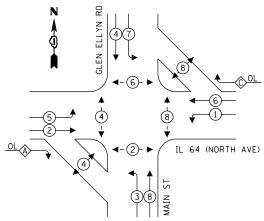
EX ROW IL 64 (NORTH AVE) 240' TO STOP BAR

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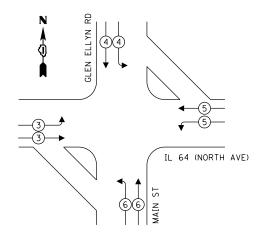
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PLOT DATE -	DATE	REVISED	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 





# EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



# TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

Design	TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
64\Phase II\2	SIGNAL HEAD 1 OR 3-SECTION	22	11	242
hase	4-SECTION	-	14	-
64\F	5-SECTION	4	13	52
Active Projects\MW-CHS-168959100 - IL	PROGRAMMABLE 3-SECTION	-	22	ı
9100	4-SECTION	-	32	1
895	5-SECTION	-	28	•
15-16	PEDESTRIAN SIGNAL	12	15	180
∨-	CONTROLLER	1	150	150
ts/M/	MASTER CONTROLLER	•	100	•
ojec	UPS	1	25	25
/e Pi	DETECTION VIDEO	2	20	40
	BLANK-OUT SIGN	-	25	•
5/01	NETWORK SWITCH LAYER II OR III	1	35	35
nent	CELLULAR MODEM	-	15	-
ocur		TOTAL UP	PS SIZING	724
0.1/0	UPS CHARGING	1	225	225
wd-	BATTERY HEATER MAT	1	180	180
m:kh	CABINET HEATER	1	200	200
sy.co	FLASHER	-	15	-
entle	LED STREET NAME SIGN	•	120	ı
:\\kh-pw.bentley.com:kh-pw-01\Documents\01	LUMINAIRE	2	240	480
/kh-	TOTAL SE	RVICE WIF	RE SIZING	1809

ENERGY COSTS TO:
VILLAGE OF GLENDALE HEIGHTS
300 CIVIC CENTER PLAZA
GLENDALE HEIGHTS, IL 60139

**LEGEND:** 

**◆ \* PROTECTED PHASE** 

√
→

PEDESTRIAN PHASE

Output

Description

A description

♦ OL OVERLAP

← -(\*)- - PROTECTED/PERMITTED PHASE

PERMISSIVE PHASE PROTECTED PHASE

ENERGY SUPPLY: COMPANY: COMED

PHONE: (866) 639-3532 ACCOUNT NUMBER: 19711-50081

**ELLYN ROAD** GLEN (3)(2)-PR TYPE IV CABINET EX TRACER CABLE (TO BE ABANDONED) - PR LATERAL AND TRACER CABLE (SEE COMMUNICATION PLANS) <sup>M</sup>·1|**├**-**•** ⊚**∖** APS œ > ∪ **♠** ♣ TTT I ດ ≺ z IL 64 (NORTH AVE) **₽ ♦** 0 ≺ **₽** ດ ≺ z MAIN STREET

LEGEND:

\* = ROADWAY LIGHTING CABLE

CABLE PLAN

(NOT TO SCALE)

TS 6450 IDOT TACTICS FORMER EAGLE 2E

Kimley» Horn

2 203 MAET-NOWN AD ASSOCIATES, NO.
403 WARREN VILLE II. 60355
WARREN VILLE II. 60355
PHONE 503-618-500

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

IL 64 (NORTH AVE) AND GLEN ELLYN RD/MAIN ST

SHEET OF SHEETS STA TO STA

 
 FA.P. RTE.
 SECTION
 COUNTY SHEETS
 TOTAL SHEETS
 SHEETS NO.

 307
 2020-263-SUR,SW&TS
 DUPAGE
 529
 207

 CONTRACT
 NO.
 62N33



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



		- 60		
DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	20	2	77	



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	20	2	ZZ	1

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	65
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	129
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	14
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	600
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2422
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2235
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4072
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	939
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1184
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	45
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	788
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 75 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	50
DRILL EXISTING HANDHOLE	EACH	17
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	5
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9668
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	773
LED LAMP MODULE REPLACEMENT	EACH	30
OUTDOOR RATED NETWORK CABLE	FOOT	141
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 16 FT.	EACH	5
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	32
LED SIGNAL FACE, LENS COVER	EACH	27
<u> </u>	EACH	1
CAMERA MOUNTING ASSEMBLY	LEACH	1

\* - 100% COST TO THE VILLAGE OF GLENDALE HEIGHTS

TS 6450 IDOT TACTICS FORMER EAGLE 2E

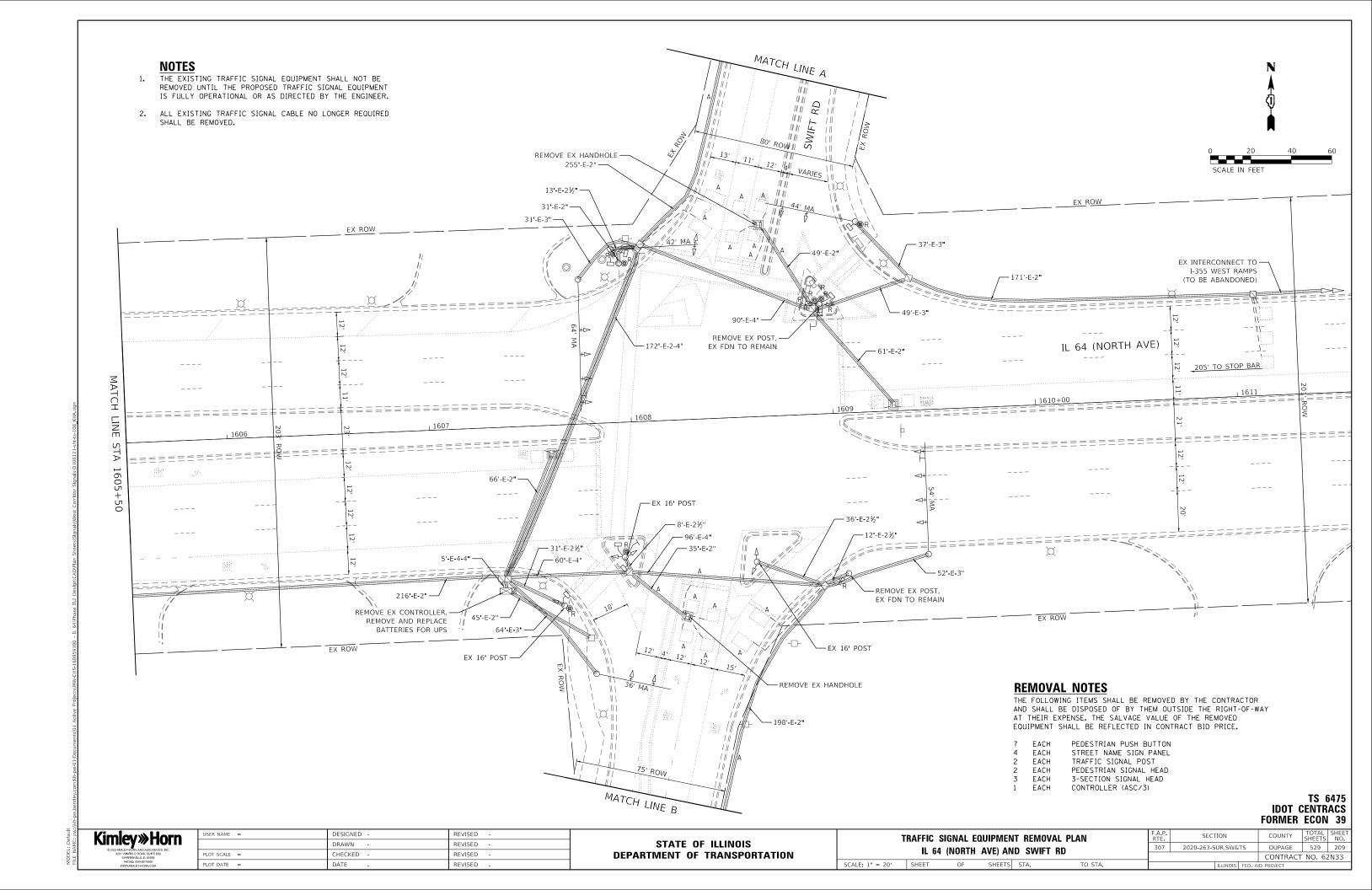
Kimley >>> Horn

9 200 MBLET-4 GW AND ASSOCIATES, NO.
400 MBTELLE RODS

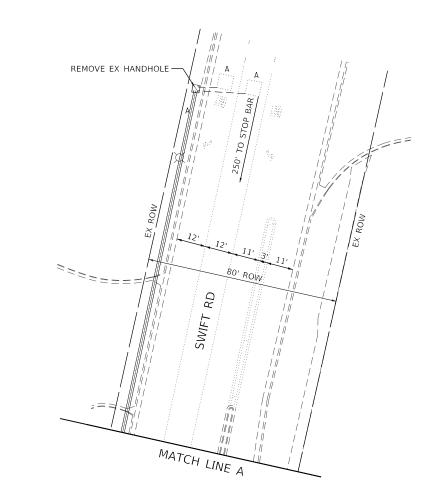
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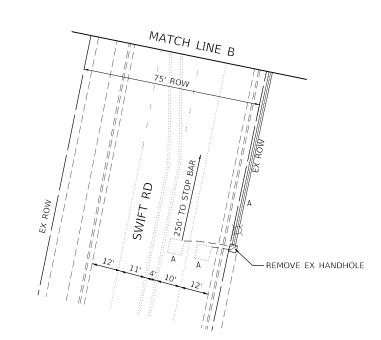
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ſ	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE -	REVISED -



IL 64 (NORTH AVE) 1605+00 265' TO STOP BAR EX ROW





TS 6475 IDOT CENTRACS FORMER ECON 39

SCALE IN FEET

Kimley» Horn

2023 MILEY-WIN AD ASSOCIATES, NO.

40 MARKEN LE N. 00000

WARNEN LE N. 00000

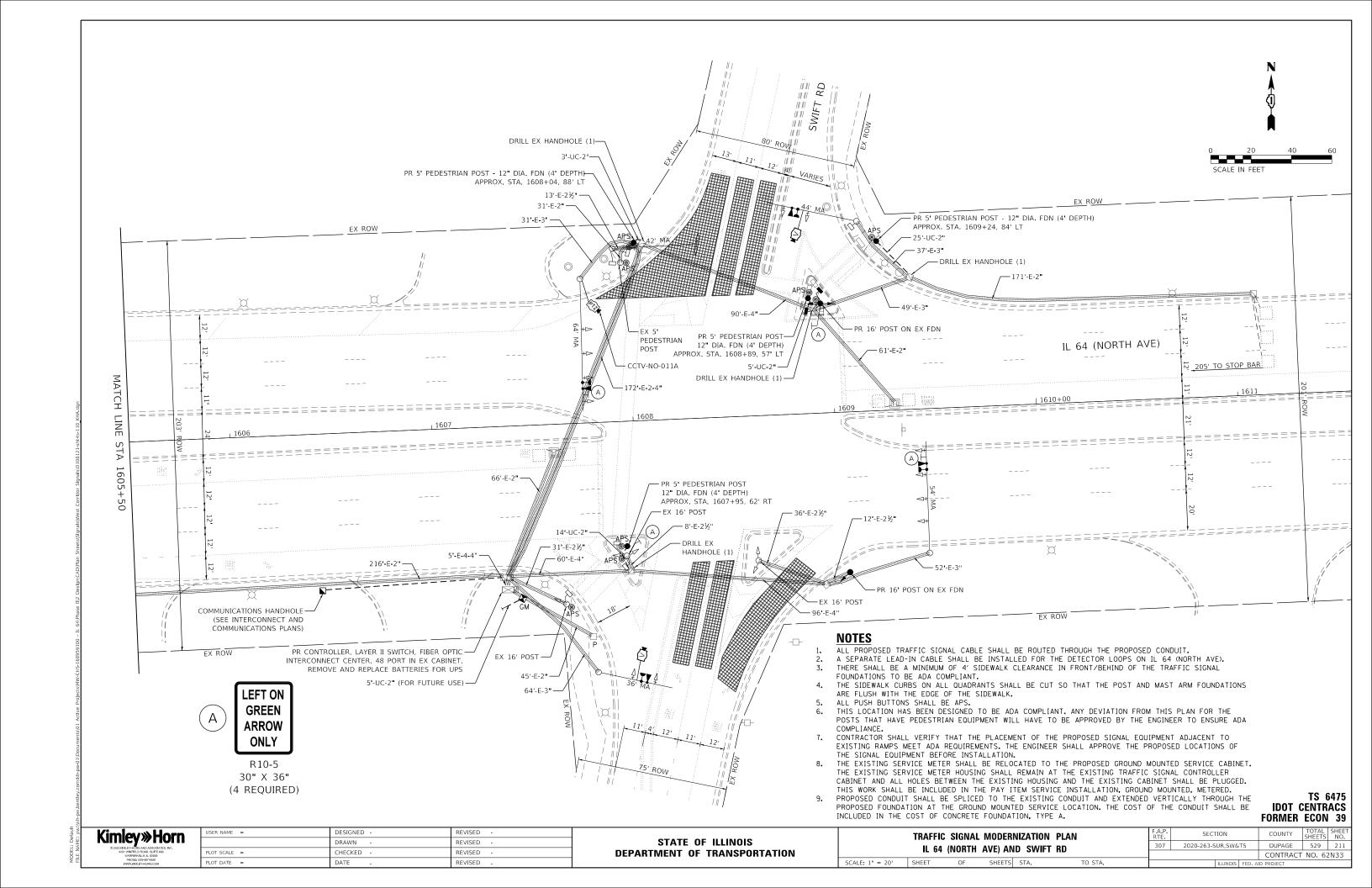
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PLOT DATE =	DATE -	REVISED -

STATI	E 01	FILLINOIS
DEPARTMENT	OF	TRANSPORTATION

Т	RAFFIC S	IGNAL E	QUIPMEN	IT REMO	VAL PLAN	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	II 6/	/NIORTH	AVE) AN	n swie	T RN	307	2020-263-SUR,SW&TS	DUPAGE	529	210
	IL U4	Internal	AVL/ AIV	D 3VVII	1 110	_		CONTRACT	NO. 62	2N33
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



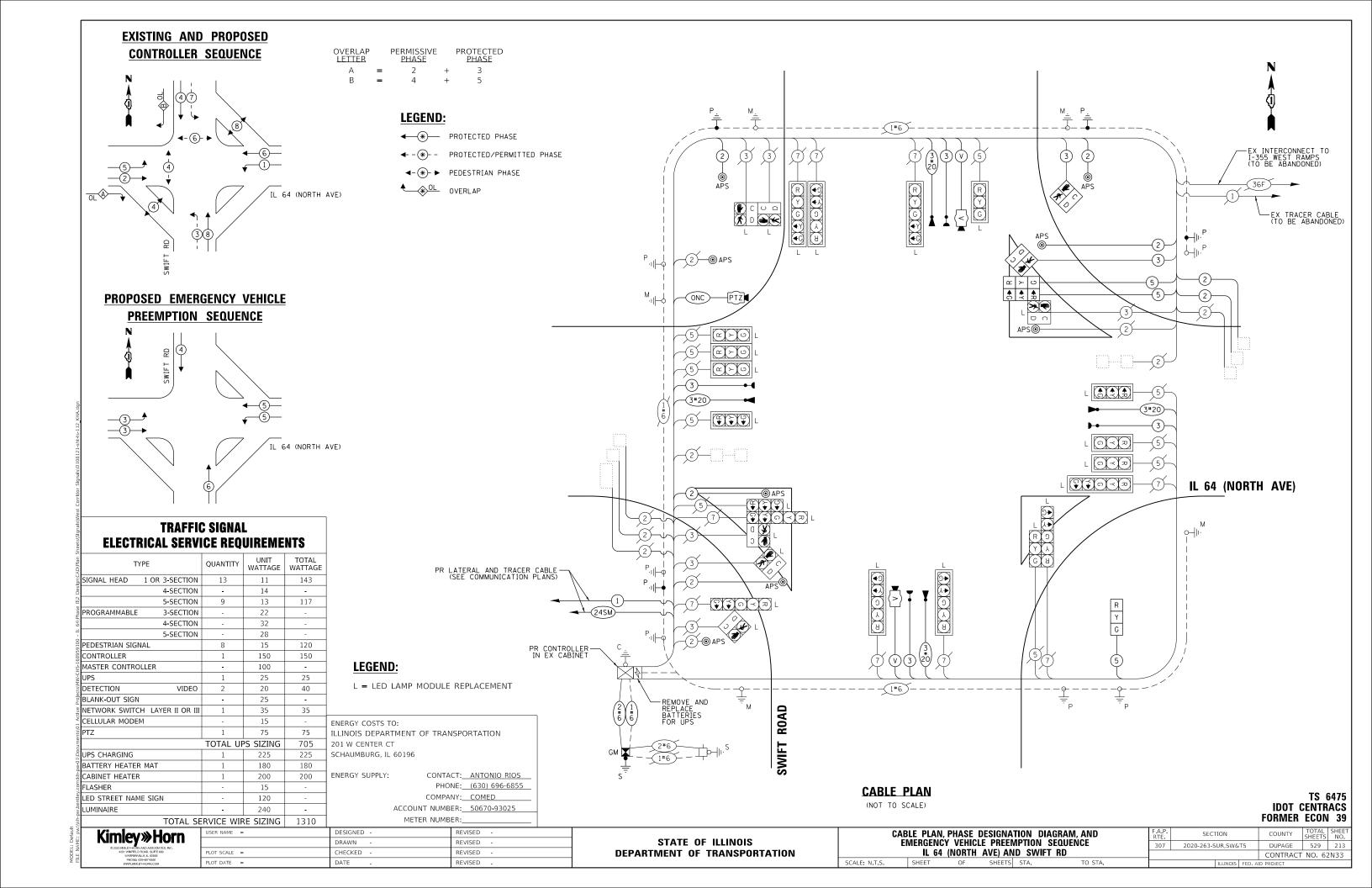
Kimley » Horn

DESIGNED -REVISED -STATE OF ILLINOIS DRAWN -REVISED -**DEPARTMENT OF TRANSPORTATION** PLOT SCALE = CHECKED -REVISED -

TRAFFIC SIGNAL MODERNIZATION PLAN IL 64 (NORTH AVE) AND SWIFT RD

TS 6475 IDOT CENTRACS FORMER ECON 39 SECTION 307 2020-263-SUR,SW&TS DUPAGE 529 212 CONTRACT NO. 62N33

IL 64 (NORTH AVE) 265' TO STOP BAR EX ROW

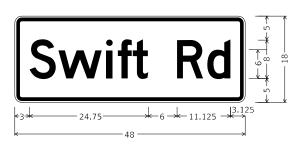


# SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	6	1	ZZ	

#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	42
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	67
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1036
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1270
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	859
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	968
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	76
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	143
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	2
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3165
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1270
CENTRACS LICENSE EXPANSION	EACH	1
LED LAMP MODULE REPLACEMENT	EACH	75
OUTDOOR RATED NETWORK CABLE	FOOT	462
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
LED SIGNAL FACE, LENS COVER	EACH	22
LED PEDESTRIAN SIGNAL MODULE REPLACEMENT	EACH	18
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
CAMERA MOUNTING ASSEMBLY	EACH	1

\* - 100% COST TO THE TOWNSHIP OF MILTON

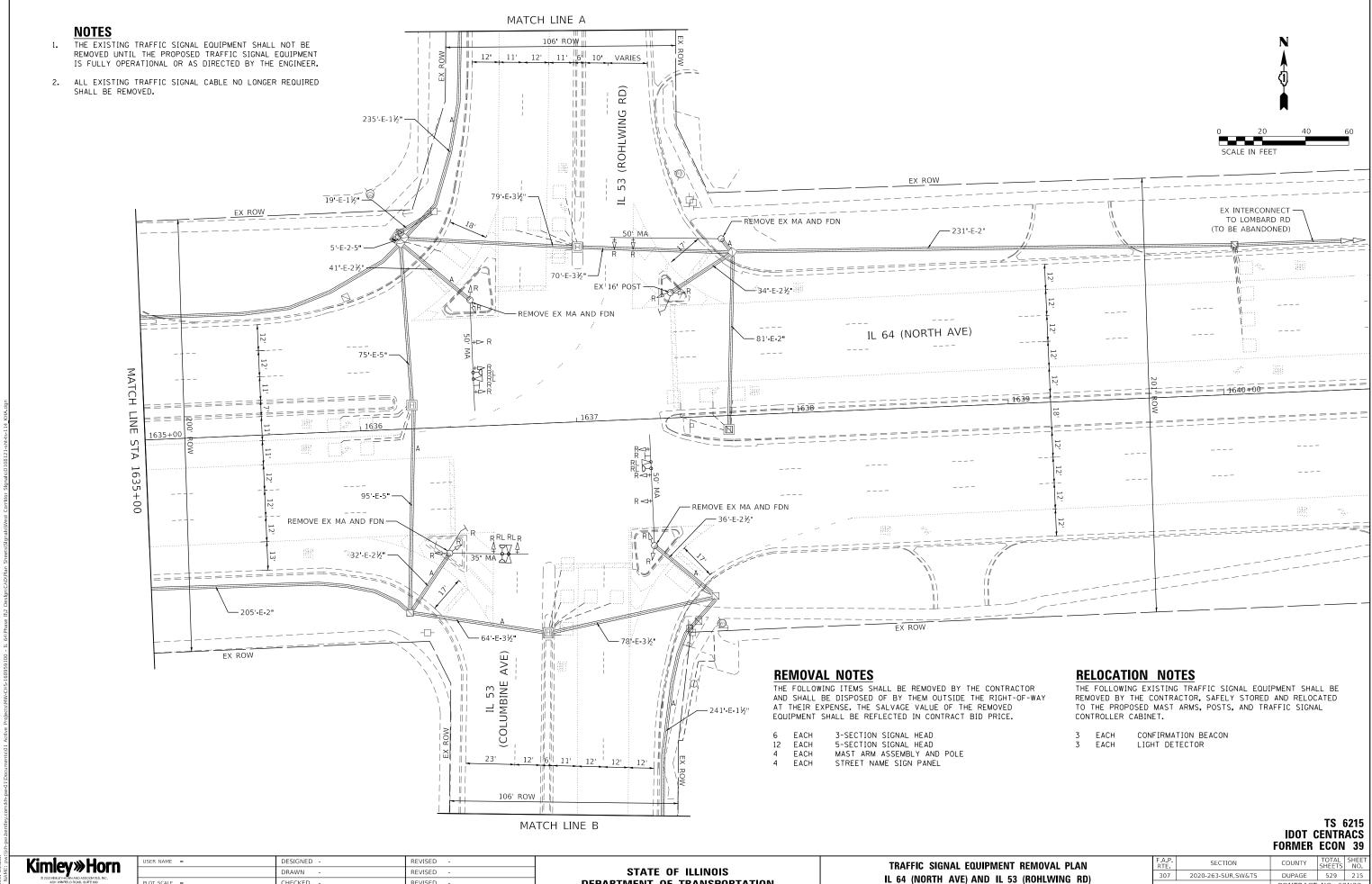
TS 6475 IDOT CENTRACS FORMER ECON 39

CONTRACT NO. 62N33

COUNTY

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Kimiev»Horn
14111107 10111
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4201 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-487-5550

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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -



LOT SCALE = CHECKED REVISED DATE

**DEPARTMENT OF TRANSPORTATION** 

IL 64 (NORTH AVE) AND IL 53 (ROHLWING RD)

CONTRACT NO. 62N33

53 (ROHLWING RD) EX ROW EX INTERCONNECT -TO SWIFT RD 111 (TO BE ABANDONED) IL 64 (NORTH AVE) MATCH LINE A MATCH LINE B 12' |||6|| 12' 12' 106' ROW 1230' TO STOP BAR AVE) (COLUMBINE  $\parallel \parallel$ 53 EX ROW - EX INTERCONNECT TO ST. CHARLES RD 

STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

Kimley»Horn

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EX INTERCONNECT TO SIDNEY AVE

TS 6215 IDOT CENTRACS FORMER ECON 39

DUPAGE 529 216

CONTRACT NO. 62N33

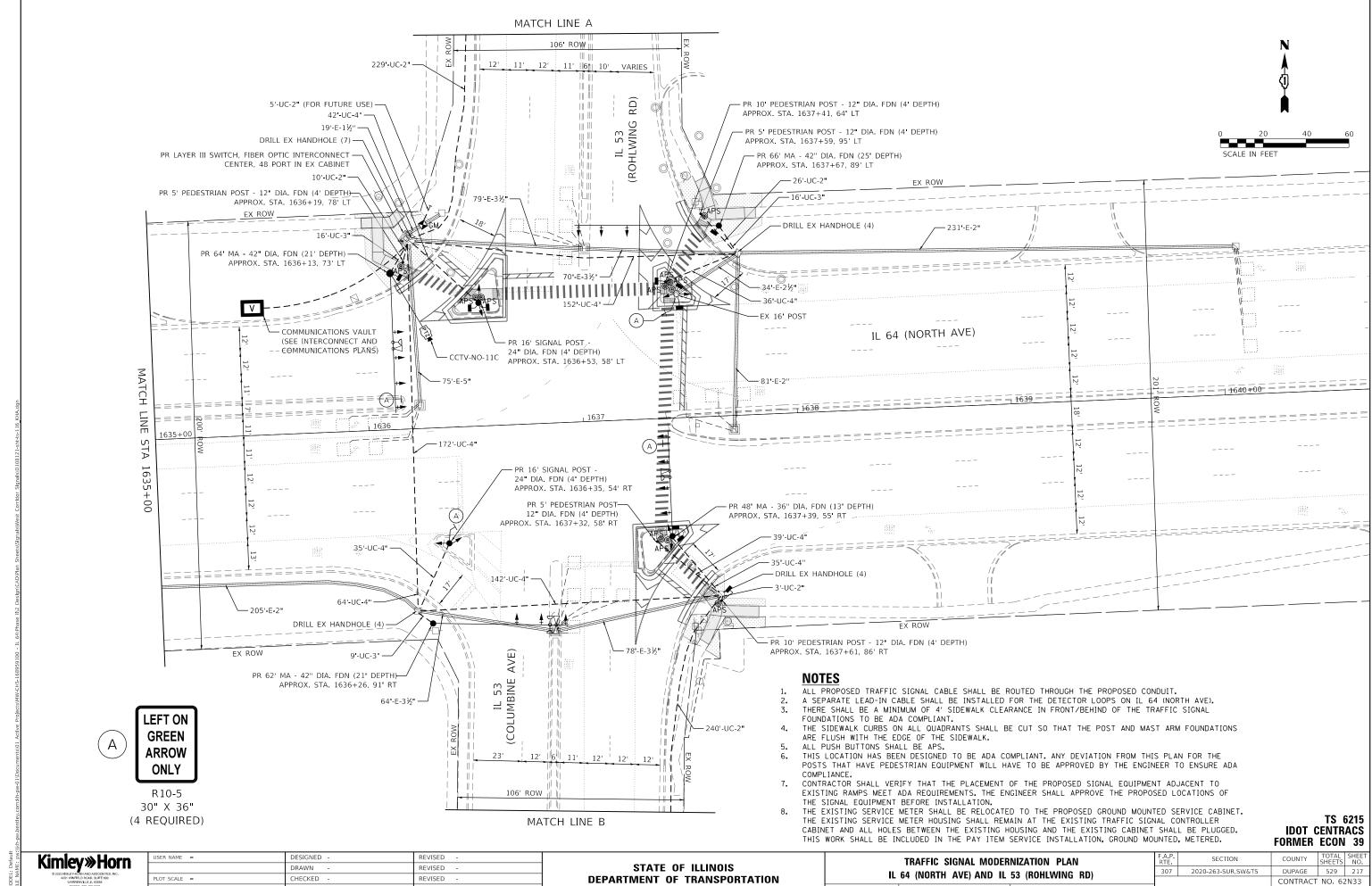
SECTION

2020-263-SUR,SW&TS

307

TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN

IL 64 (NORTH AVE) AND IL 53 (ROHLWING RD)



EX INTERCONNECT -TO SIDNEY AVE 53 (ROHLWING RD) EX ROW IL 64 (NORTH AVE) MATCH LINE A STA MATCH LINE B 1 230' TO STOP BAR 53 (COLUMBINE AVE) EX ROW - EX INTERCONNECT TO ST. CHARLES RD TS 6215 IDOT CENTRACS FORMER ECON 39

Kimley > Horn

9.2023 MILE CHURCH AND ASSIGNATES INC.
40 MARKED, MOD. SERT 500
MARKED, M.E.D. (2003)
MARKED, M

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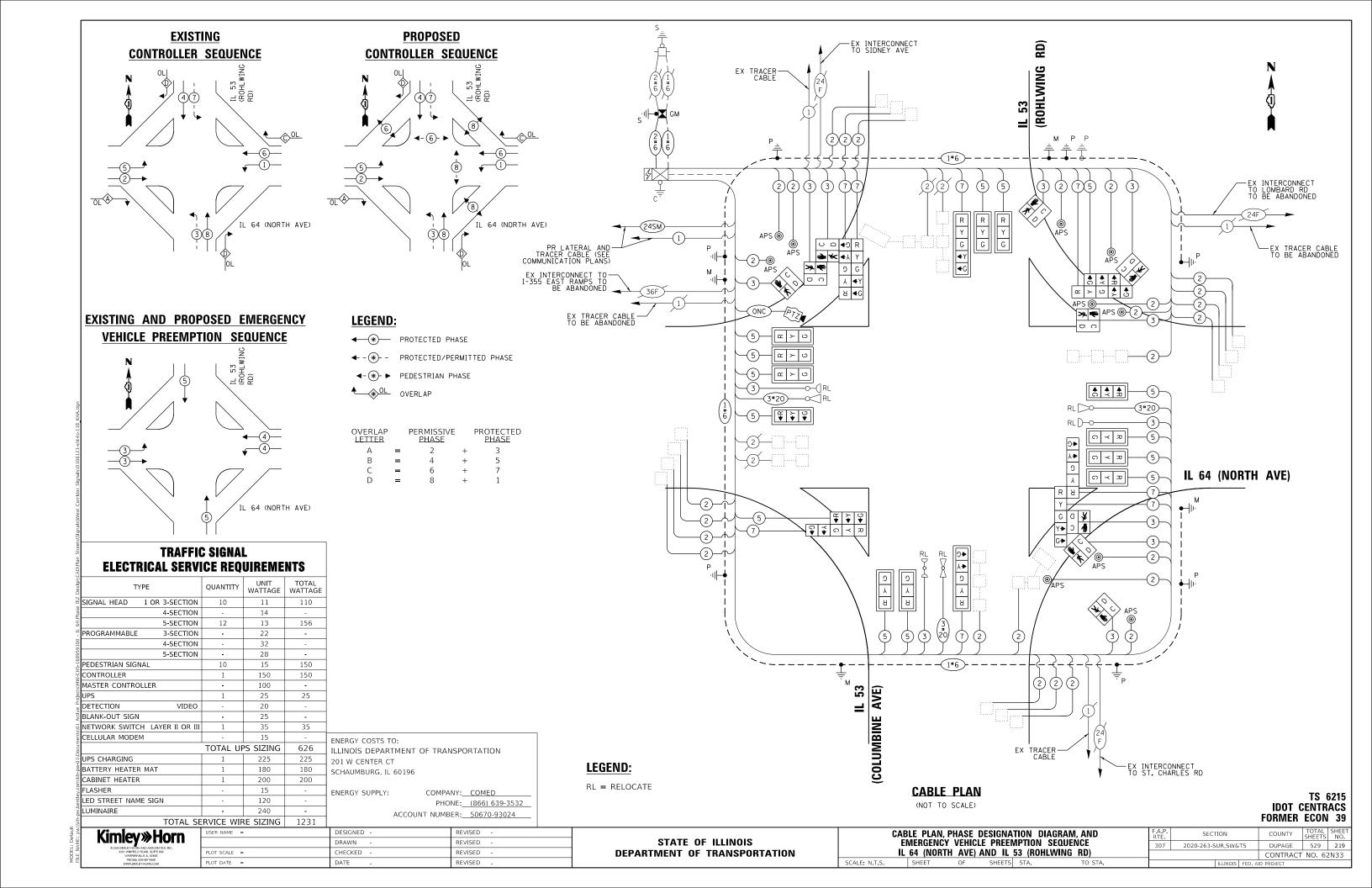
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL MODERNIZATION PLAN

IL 64 (NORTH AVE) AND IL 53 (ROHLWING RD)

SCALE: 1" = 20' SHEET OF SHEETS STA. TO S

A.P. SECTION COUNTY TOTAL SHEETS NO. 307 2020-263-SUR,SW&TS DUPAGE 529 218

CONTRACT NO. 62N33

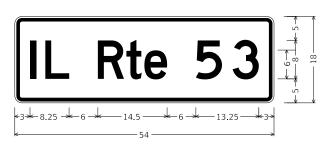


# SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	ZZ	2

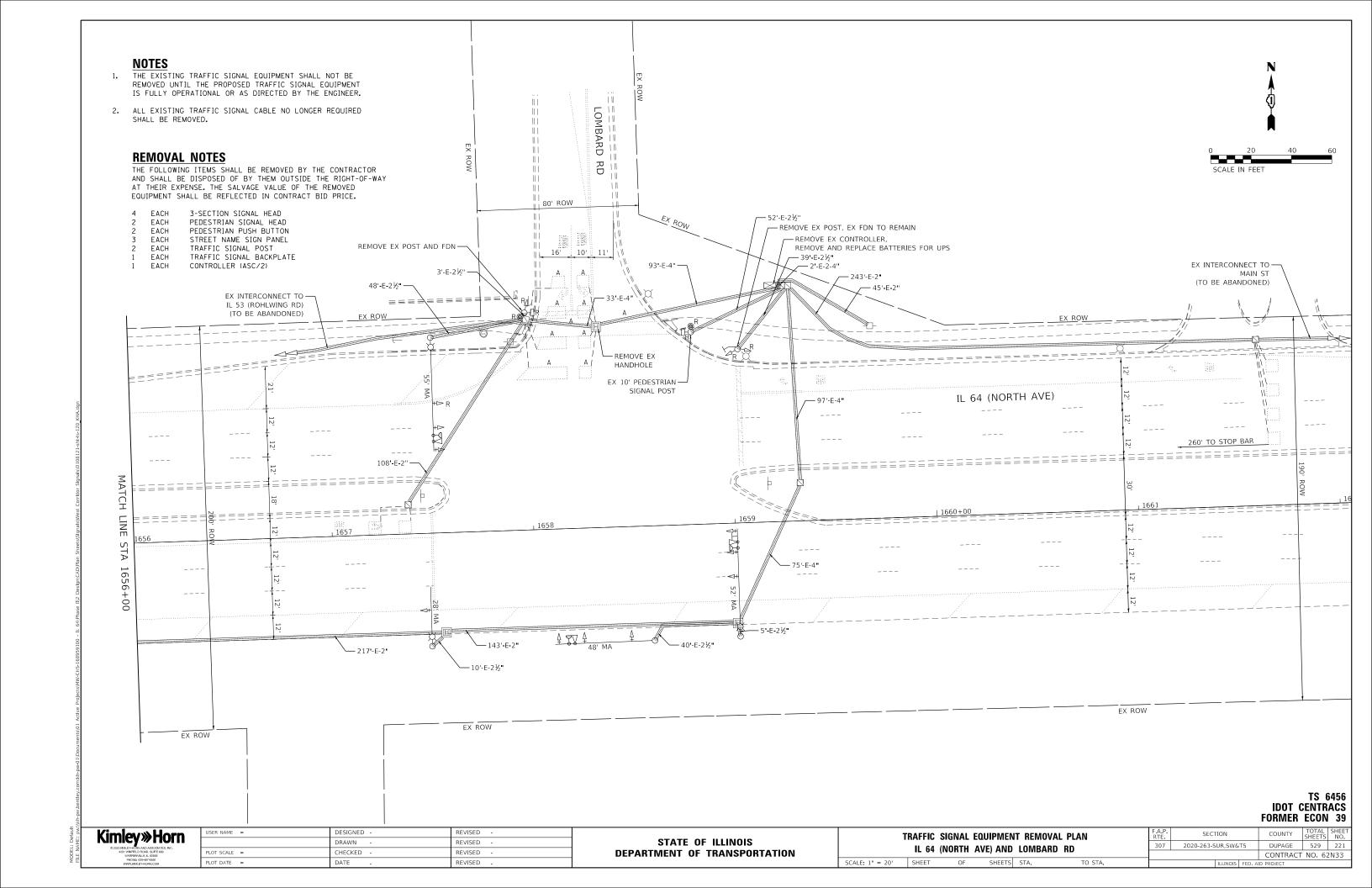
#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	43.5
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	513
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	41
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	717
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2396
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3590
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4067
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2210
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3360
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	41
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1312
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	67
DRILL EXISTING HANDHOLE	EACH	19
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	9
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12263
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1198
CENTRACS LICENSE EXPANSION	EACH	1198
TERMINAL SERVER	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	131
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	131
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.  PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
LED SIGNAL FACE, LENS COVER	EACH	20
,,,,,		1
CAMERA MOUNTING ASSEMBLY  - 100% COST TO THE VILLAGE OF LOMBARD	EACH	1

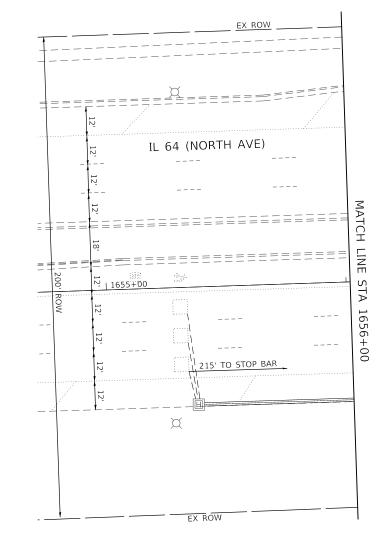
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TS 6456
IDOT CENTRACS
FORMER ECON 39

COUNTY SHEETS WO.
DUPAGE 529 222
CONTRACT NO. 62N33

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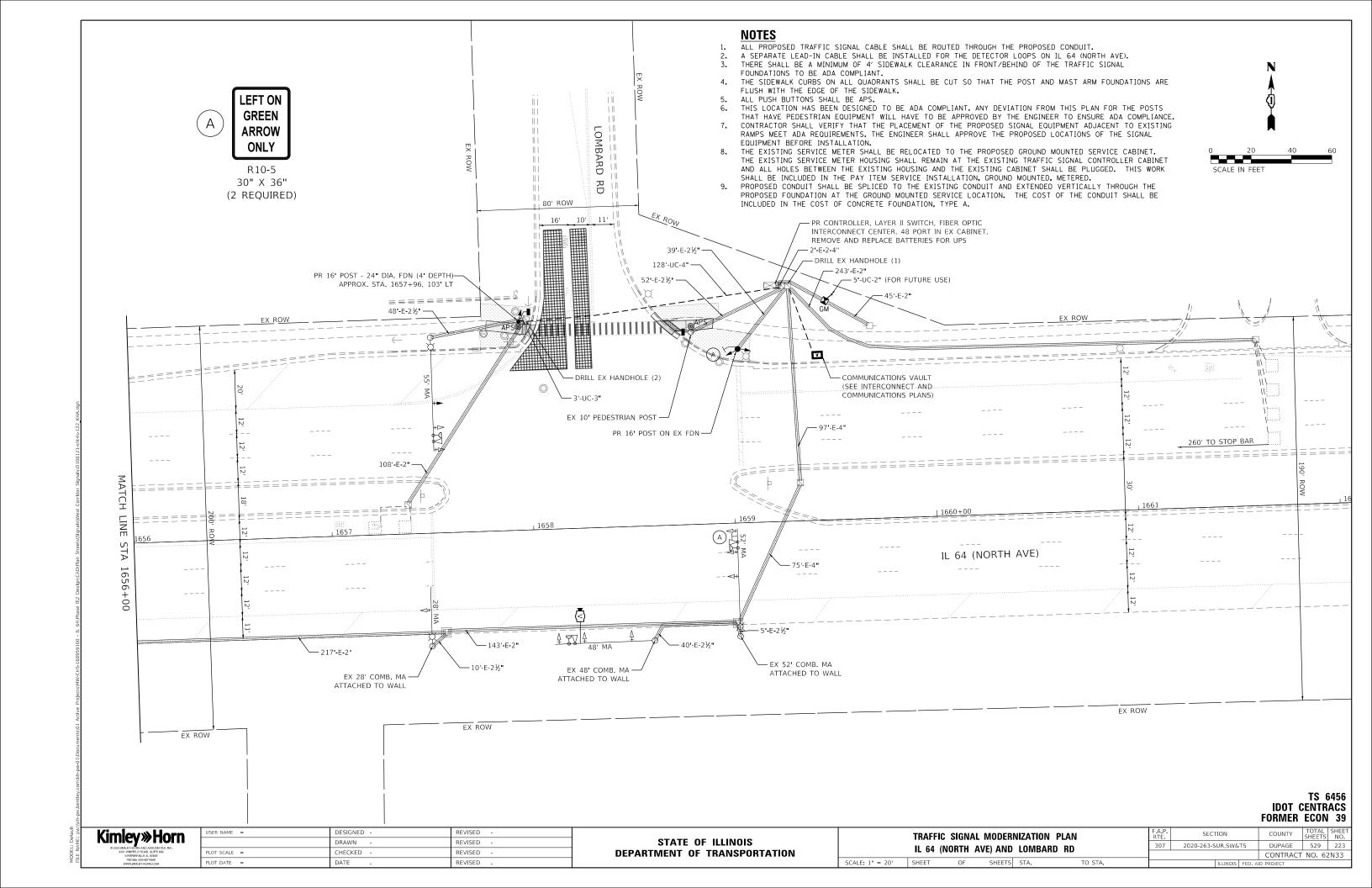
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Т				IT REMOVAL LOMBARD	
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA

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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

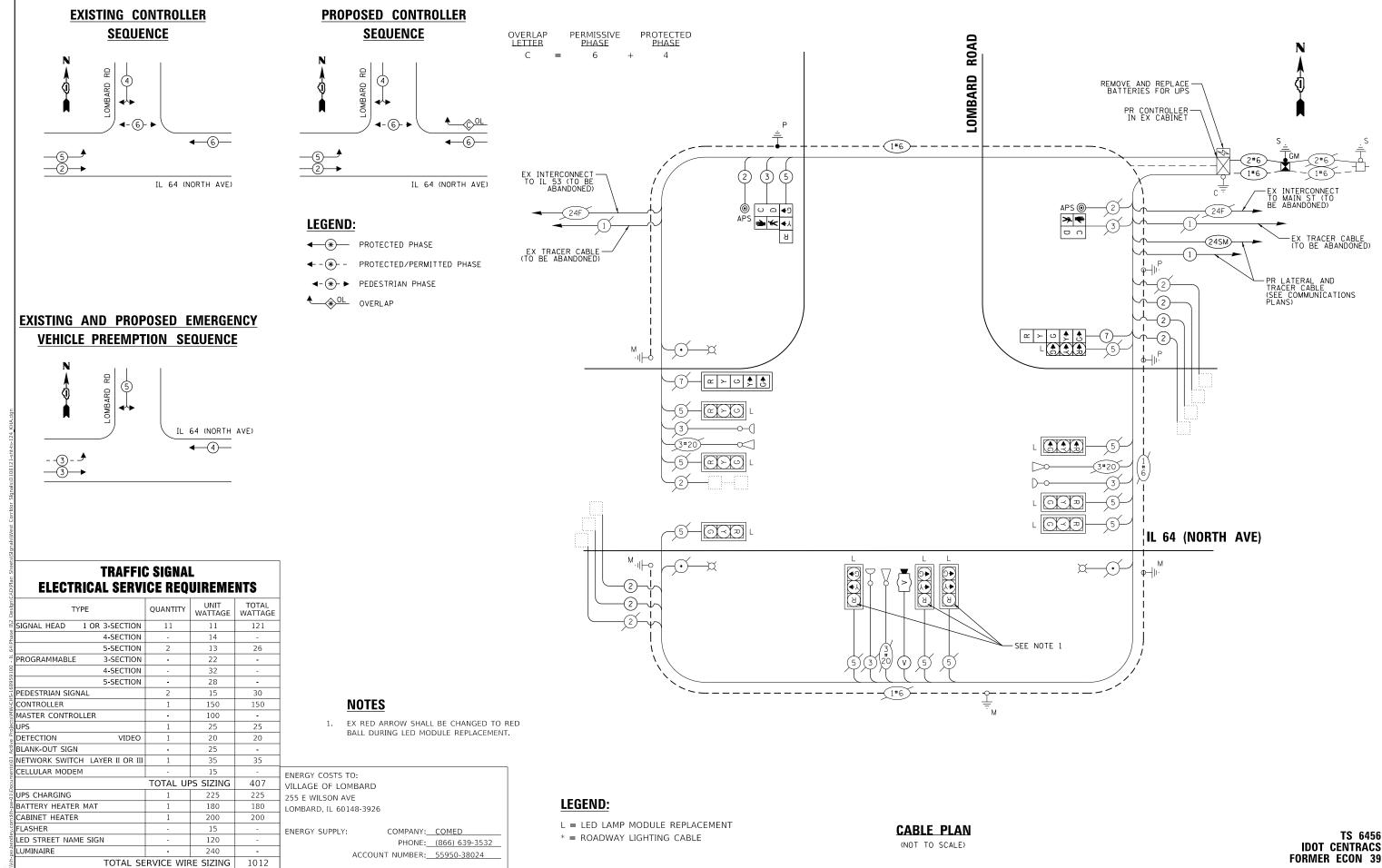
TRAFFIC SIGNAL MODERNIZATION PLAN IL 64 (NORTH AVE) AND LOMBARD RD SCALE: 1" = 20' SHEET OF SHEETS STA.

TS 6456 IDOT CENTRACS FORMER ECON 39 
 F.A.P. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEETS NO.

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 CONTRACT NO. 62N33

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1	IL 64 (NORTH AVE)
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	N 215' TO STOP BAR
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STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

IL 64 (NORTH AVE) AND LOMBARD RD

SECTION

2020-263-SUR,SW&TS

DUPAGE 529 225

CONTRACT NO. 62N33

MODEL: Default

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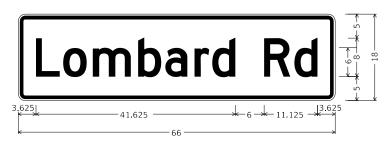
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#### SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	1



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	8.25	1	ZZ	

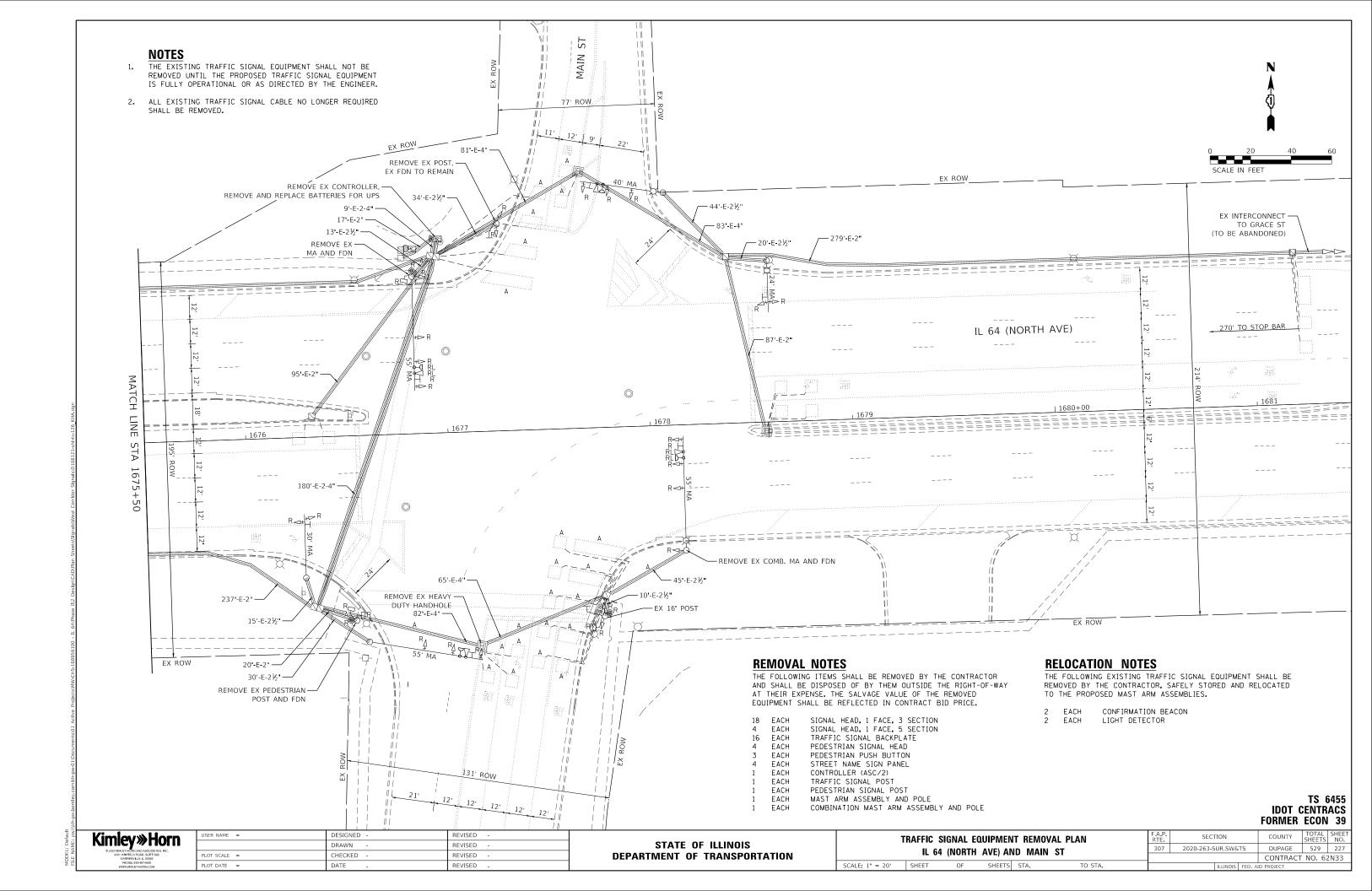
#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	31.5
SIGN PANEL - TYPE 2	SQ FT	25.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	3
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	128
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	178
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	178
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	258
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1793
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	62
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	193
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	5
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	614
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
LED LAMP MODULE REPLACEMENT	EACH	30
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
LED SIGNAL FACE VISOR HEATER	EACH	13
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1

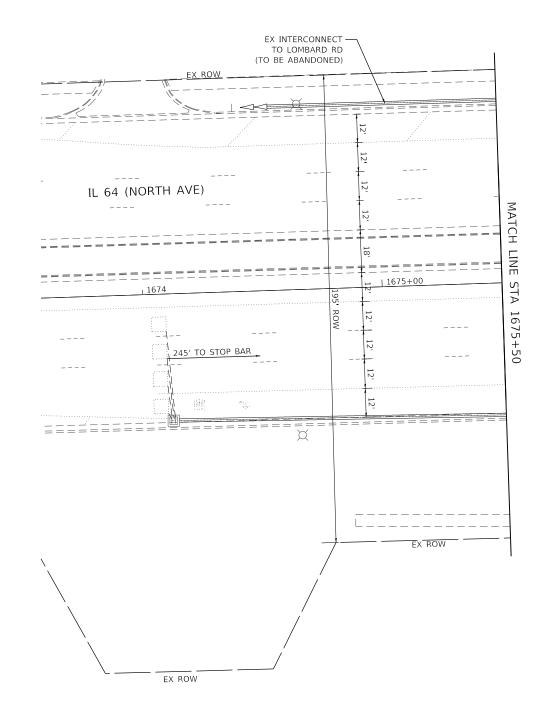
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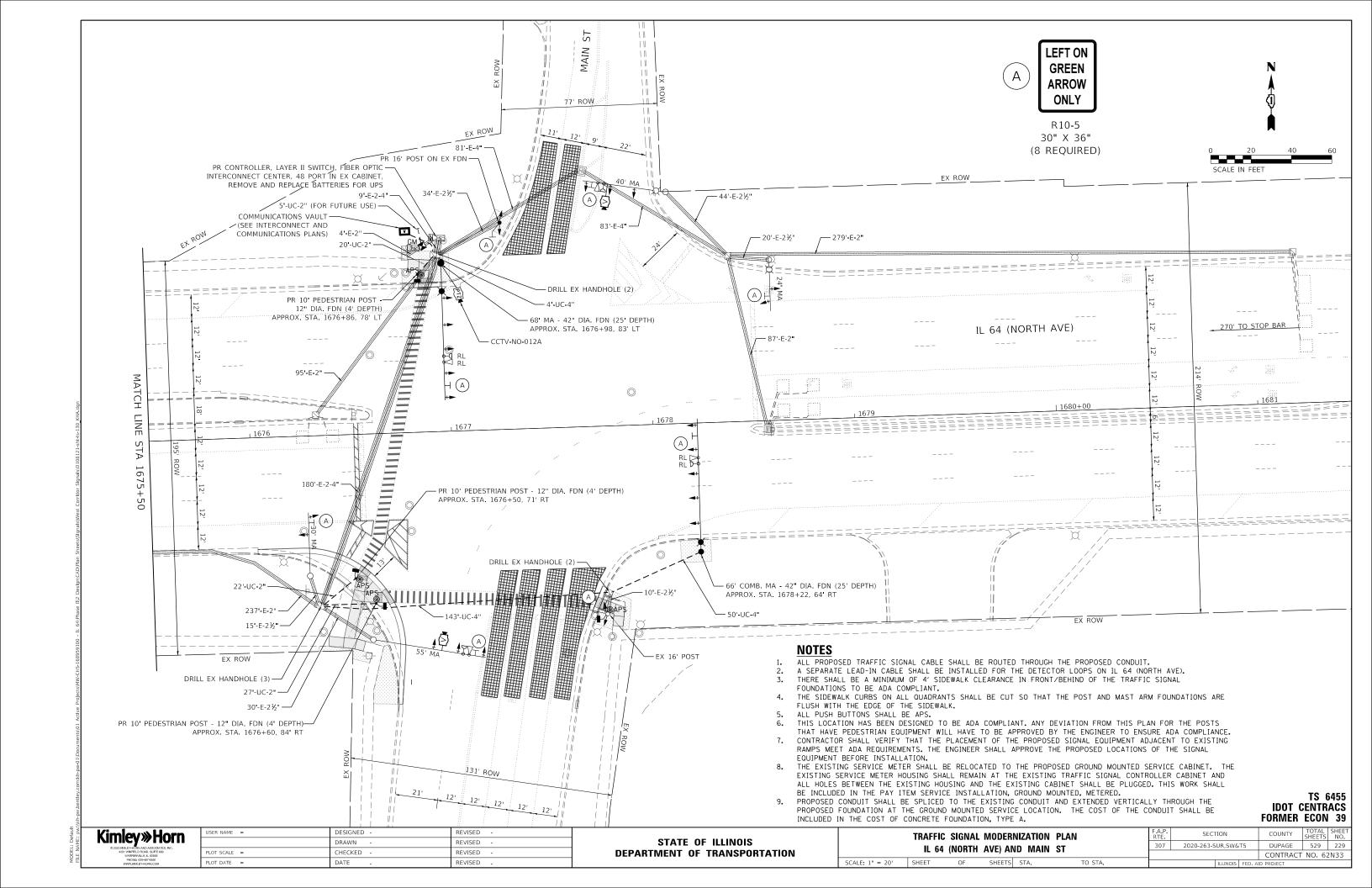
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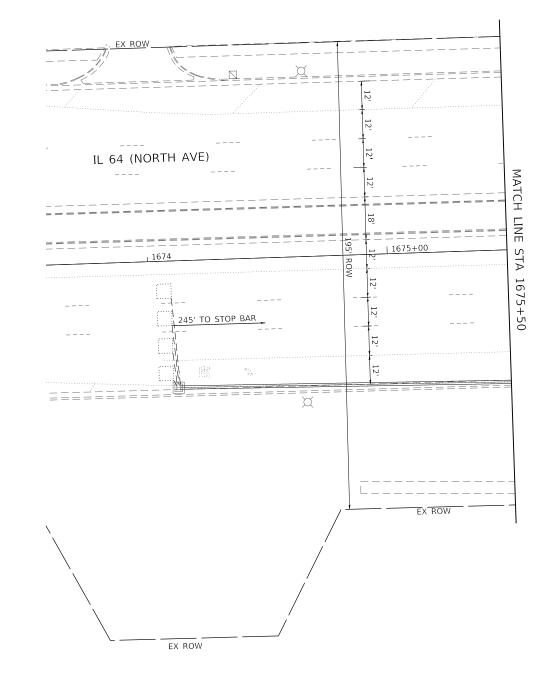
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	TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN IL 64 (NORTH AVE) AND MAIN ST							
	SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		
_				'				

N	F.A.P. RTE	SECTION			COUNTY	TOTAL SHEETS	SH
	307	2020-263-SUR,SW&TS			DUPAGE	529	2
					CONTRACT	NO. 62	2N3
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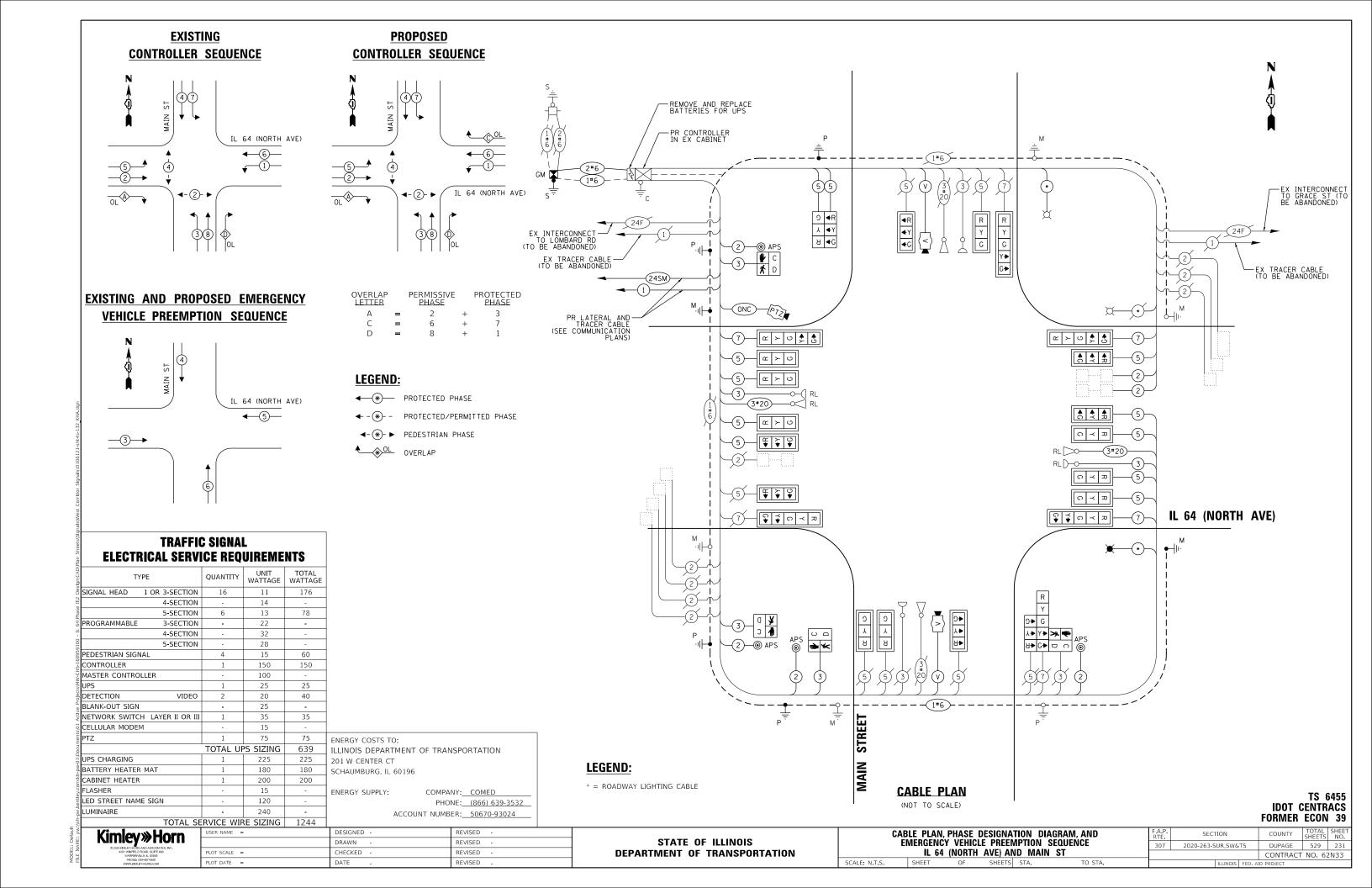
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TRAFFIC SIGNAL MODERNIZATION			PLAN	RTE	SECT	ION		COUNTY	SHEETS	NO.		
	II 64	/NORTH	AVF) AN	IN MAIN	<b>ST</b>	307	2020-263-S	UR,SW&	TS	DUPAGE	529	230
IL 64 (NORTH AVE) AND MAIN ST						CONTRACT NO. 62N33					2N33	
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		





DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	5.25	1	ZZ	2



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	

#### SCHEDULE OF QUANTITIES

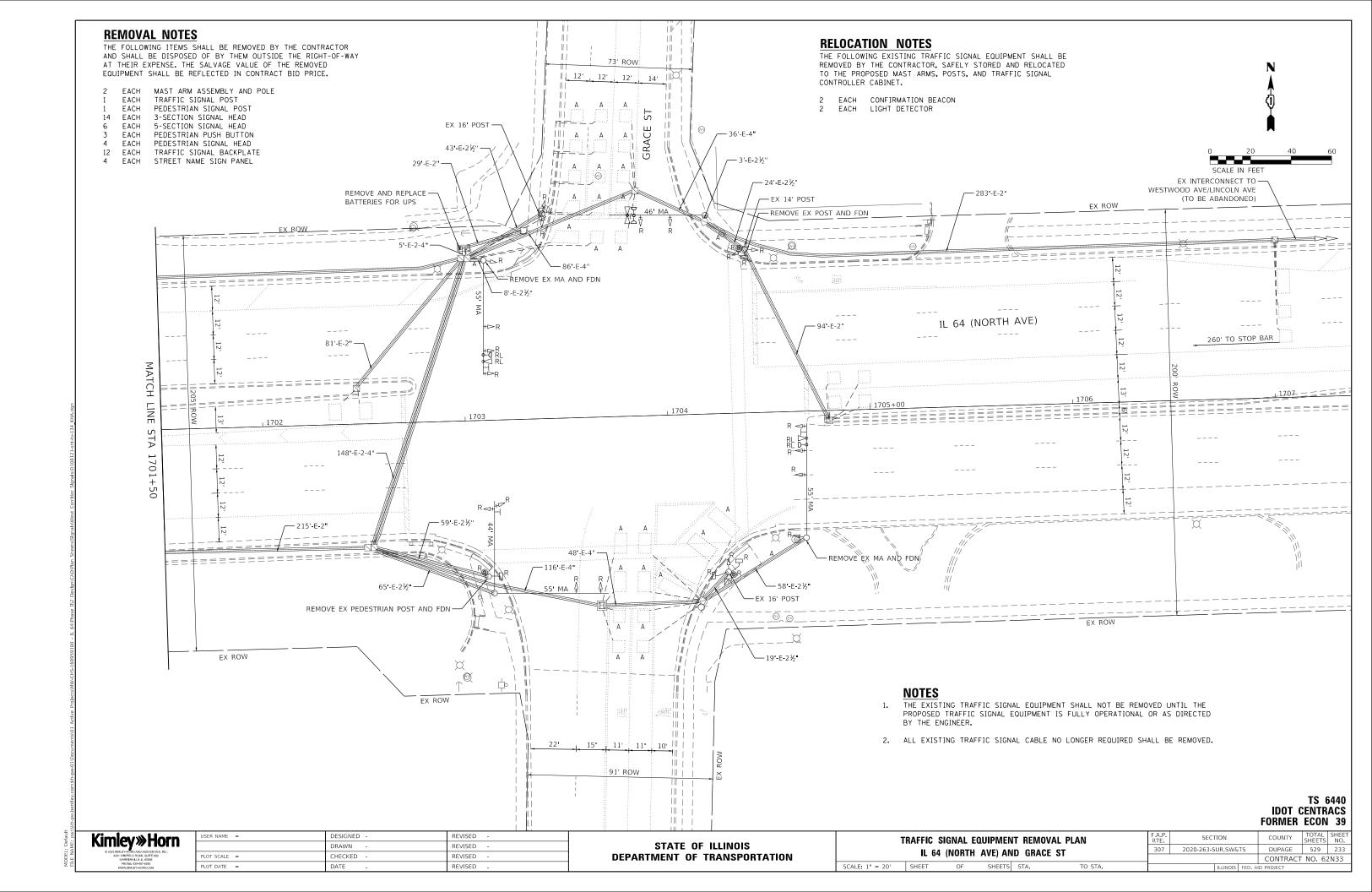
ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	70.5
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	65
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	143
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	944
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1170
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2531
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	531
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	594
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	55
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	263
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	50
DRILL EXISTING HANDHOLE	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	15
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOONTED  SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER		20
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5176
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	600
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	56
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
LED SIGNAL FACE VISOR HEATER	EACH	24
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2

\* - 100% COST TO THE VILLAGE OF LOMBARD

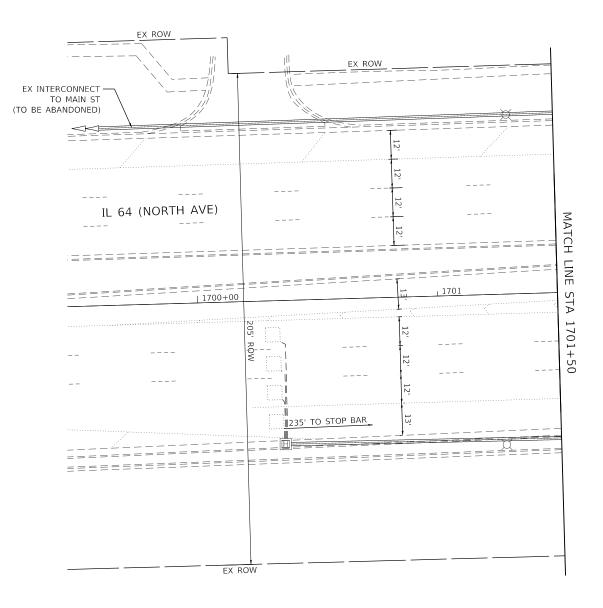
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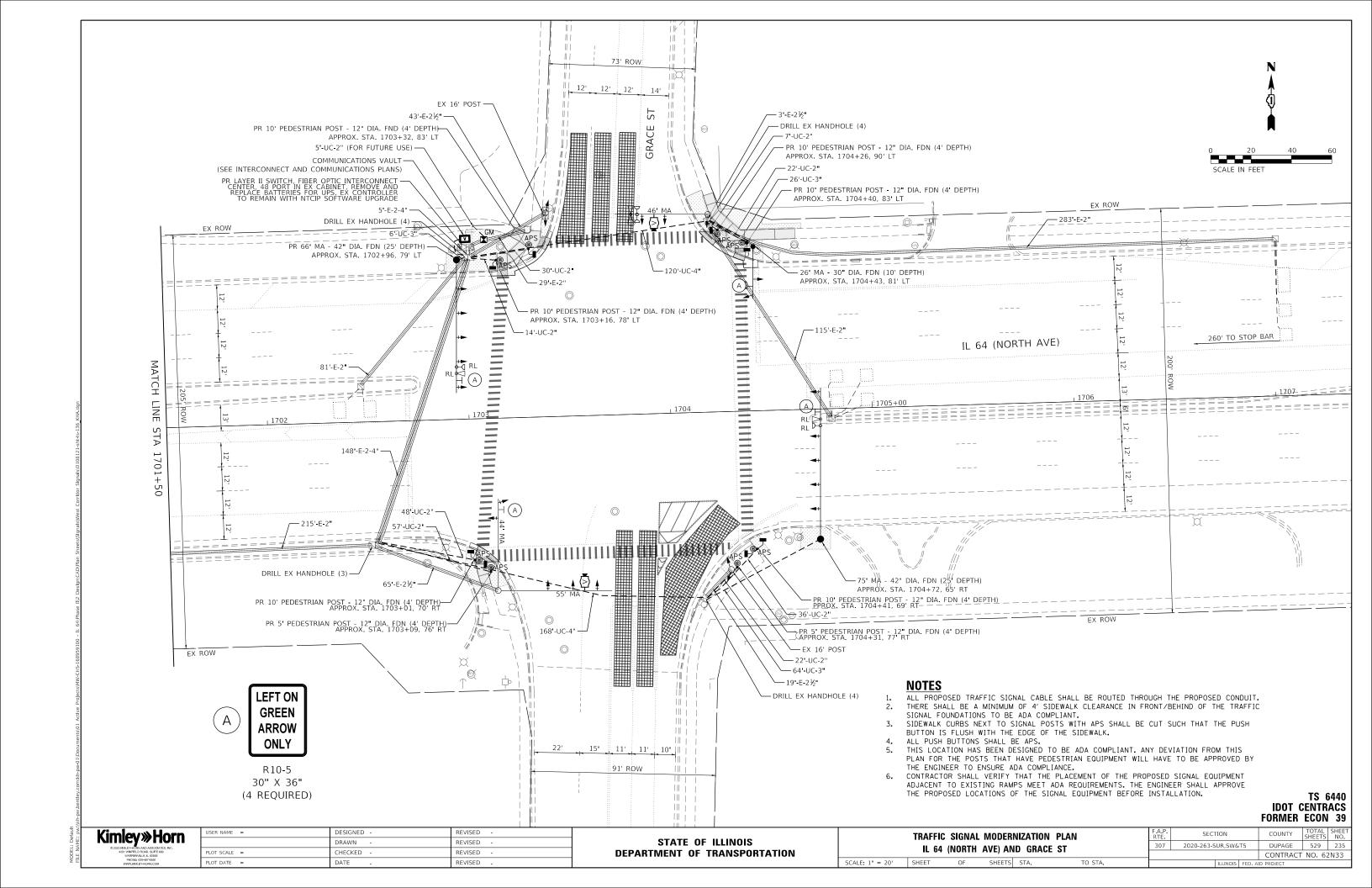
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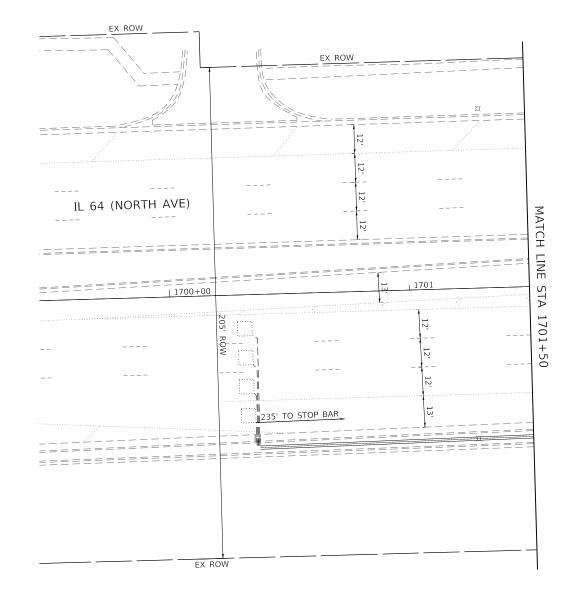
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TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN					
IL 64 (NORTH AVE) AND GRACE ST					
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.

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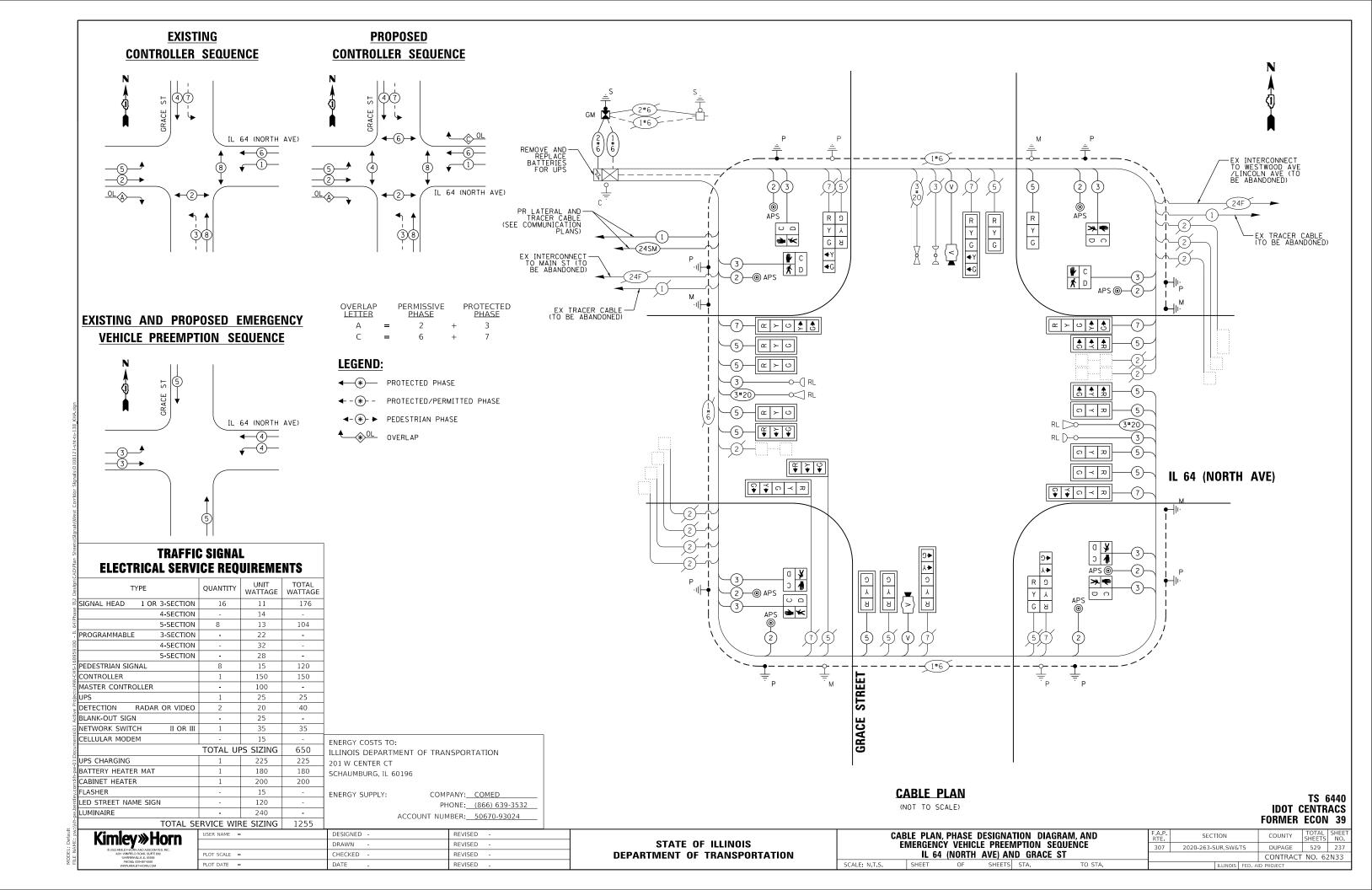
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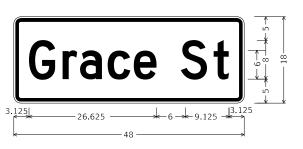
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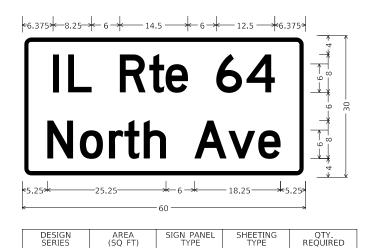
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DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6	1	ZZ	2



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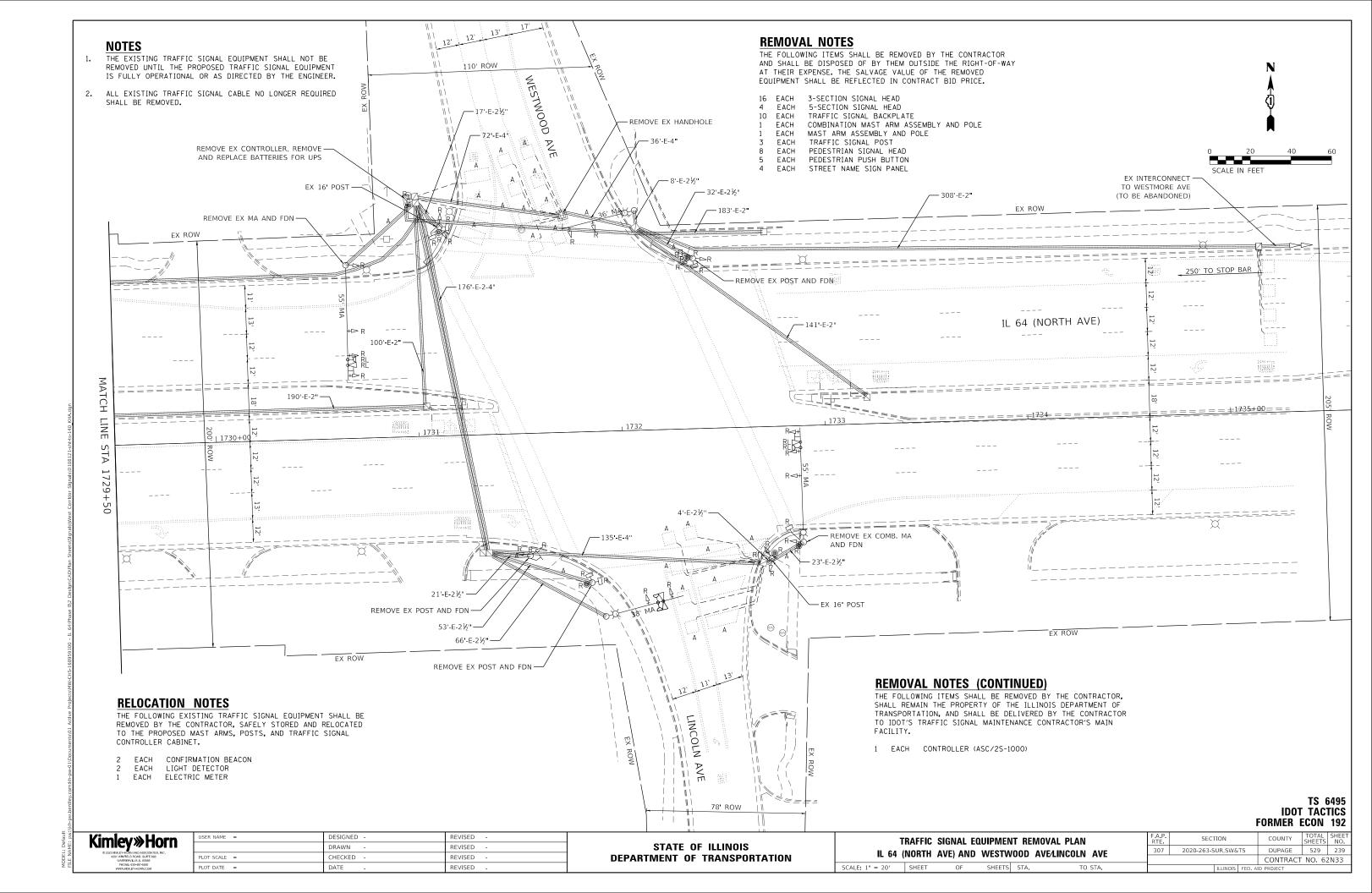
# **SCHEDULE OF QUANTITIES**

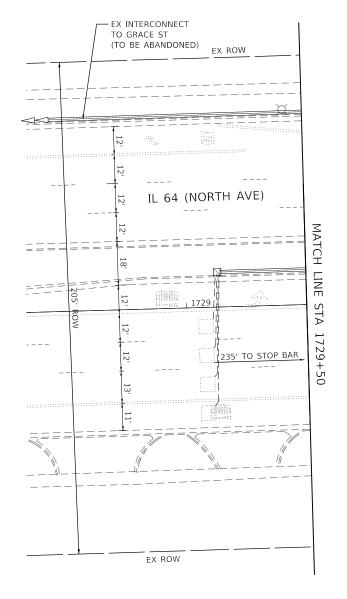
ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	42
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	241
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	96
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	288
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1752
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2379
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3062
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	747
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	67
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	692
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 75 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	50
DRILL EXISTING HANDHOLE	EACH	15
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	19
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7940
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	590
CENTRACS LICENSE EXPANSION	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	6
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
LED SIGNAL FACE VISOR HEATER	EACH	24
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	32
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2

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TS 6495 IDOT TACTICS FORMER ECON 192

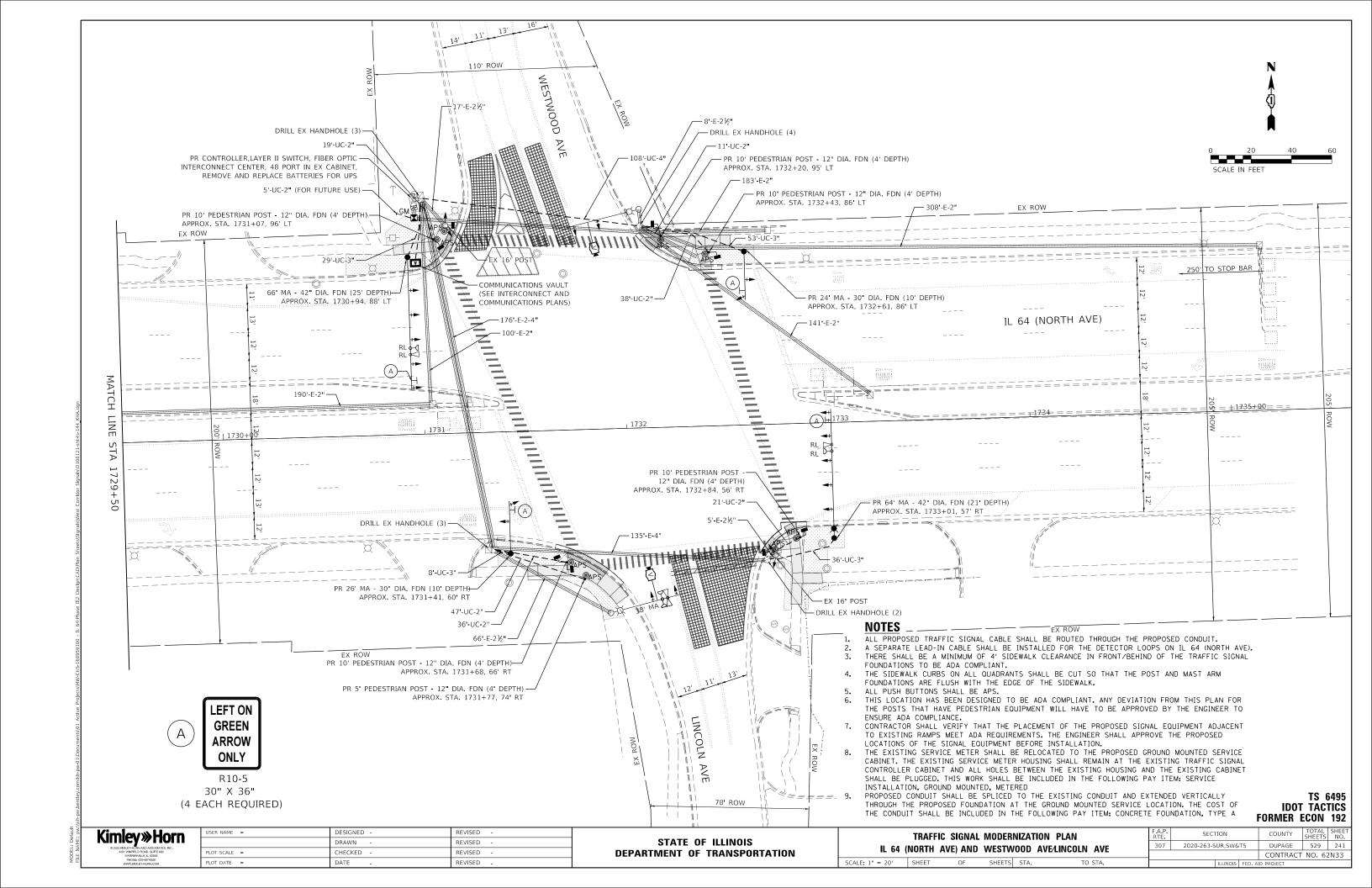
© 2023 KIMLEY-HÖRN AND ASSOCIATES, INC. 4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555
PHONE: 630-487-6550
WWW.KIMLEY-HORN.COM

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		DRAWN -	REVISED -
Р	PLOT SCALE =	CHECKED -	REVISED -
Р	PLOT DATE =	DATE -	REVISED -

STATE	E OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

TRAFFIC S		SIGNAL EC	DUIPMEN	IT RE	MOVAL PLAN	
	IL 64 (	NORTH	AVE) AND	WESTW	/00D	AVE/LINCOLN AVE
	SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.

A.P. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
07	2020-263-SUR,SW&TS		DUPAGE	529	240	
				CONTRACT	NO. 62	2N33
	ILLINOIS FED. AID PROJECT					



20 40 60 GCALE IN FEET

EX ROW IL 64 (NORTH AVE) MATCH LINE STA 1729+50 235' TO STOP BAR EX ROW

FORMER ECON 192

SECTION COUNTY TOTAL SHEETS NO.
53-SUR,SW&TS DUPAGE 529 242

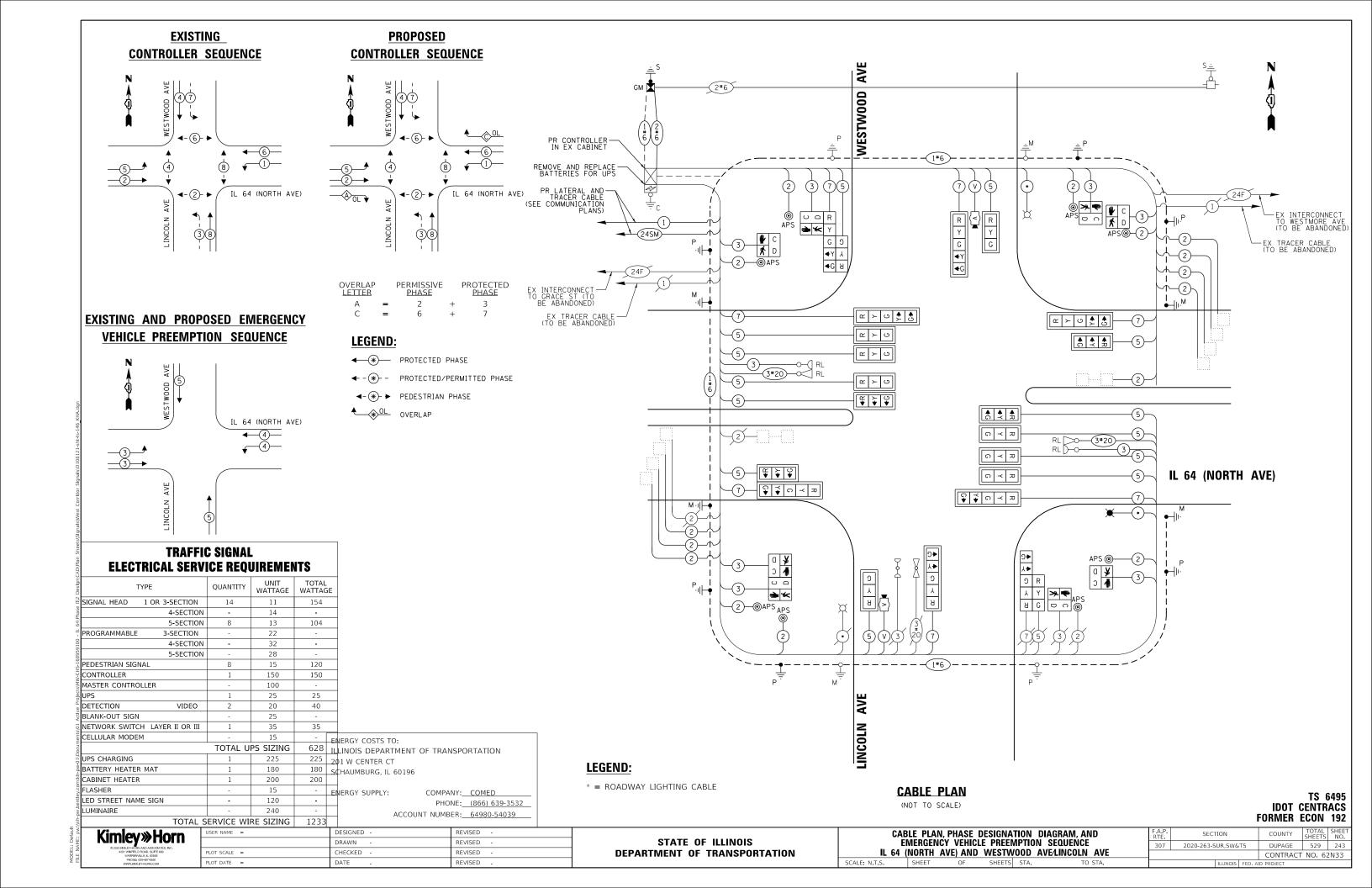
CONTRACT NO. 62N33

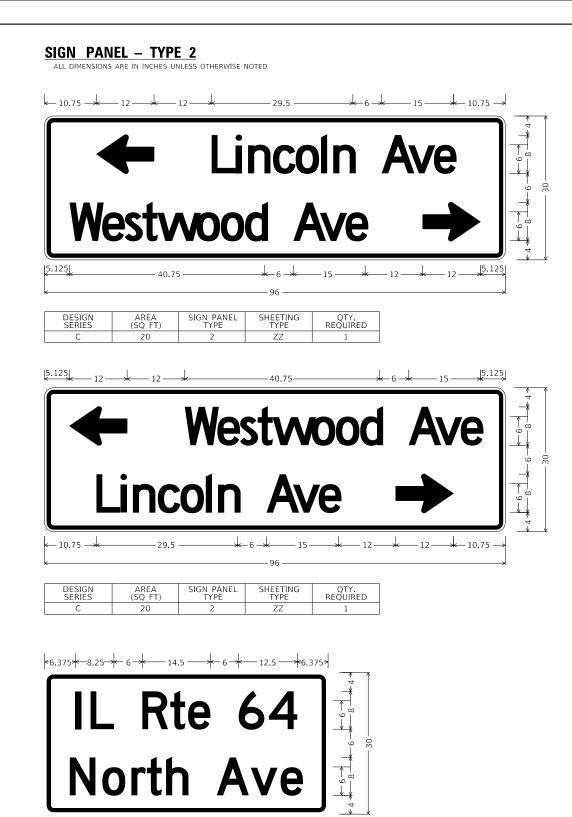
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		DRAWN -	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	TRAFF	IC SIGNAL	MODERI	NIZAT	TON PLAN	F.A.P. RTE	SECT	ION
IL 64 (	NORTH	AVE) AND	WESTW	00D	AVE/LINCOLN AVE	307	2020-263-SI	JR,SW8
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.			ILLINOIS





#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	105
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	177
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	126
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	108
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1424
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2049
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3622
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1741
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2569
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	62
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	473
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46
DRILL EXISTING HANDHOLE	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8836
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	627
CENTRACS LICENSE EXPANSION	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	5
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	24
- 100% COST TO THE VILLAGE OF VILLA PARK	LACII	

<sup>\* - 100%</sup> COST TO THE VILLAGE OF VILLA PARK

TS 6495 IDOT CENTRACS FORMER ECON 192

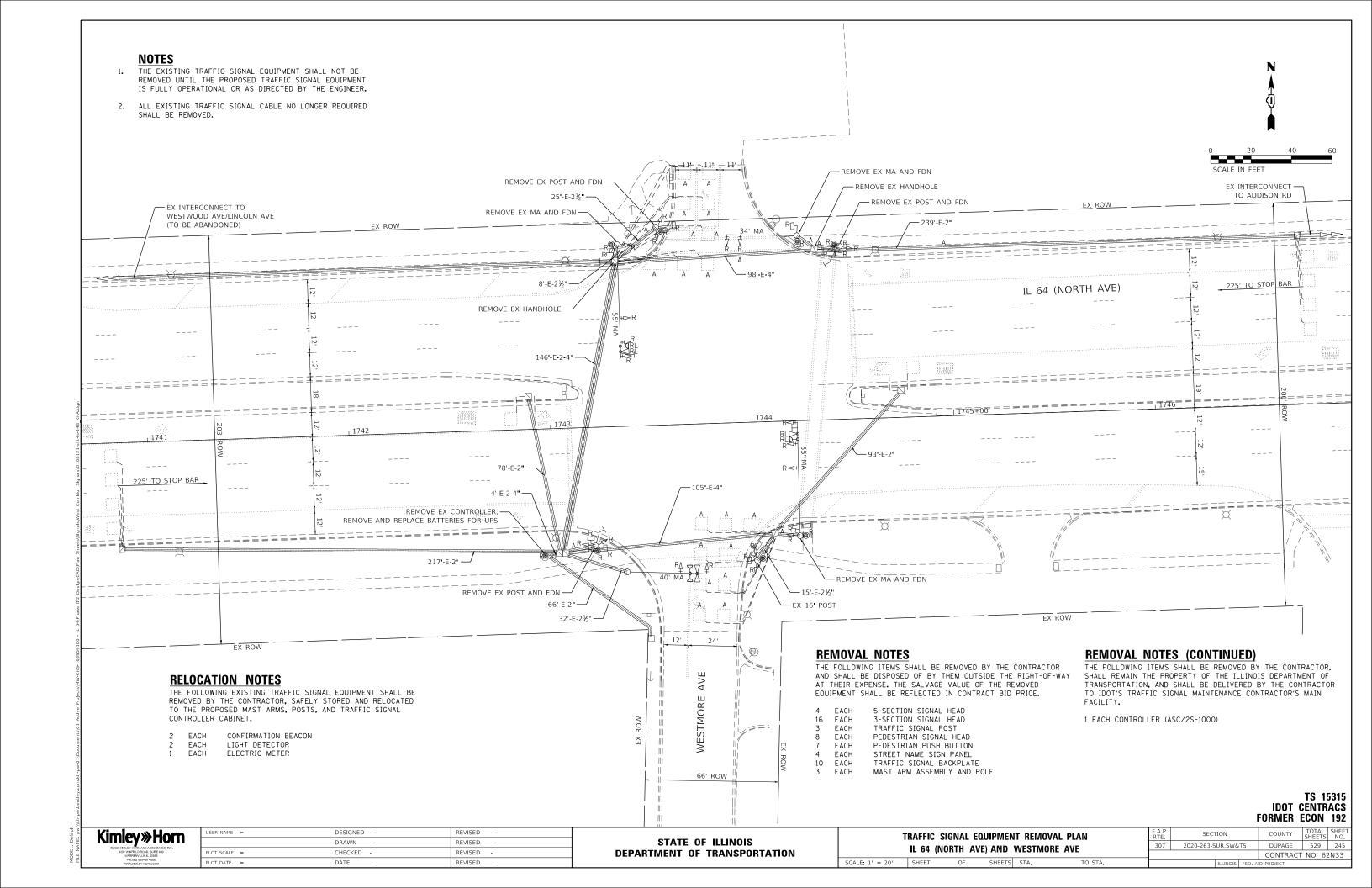
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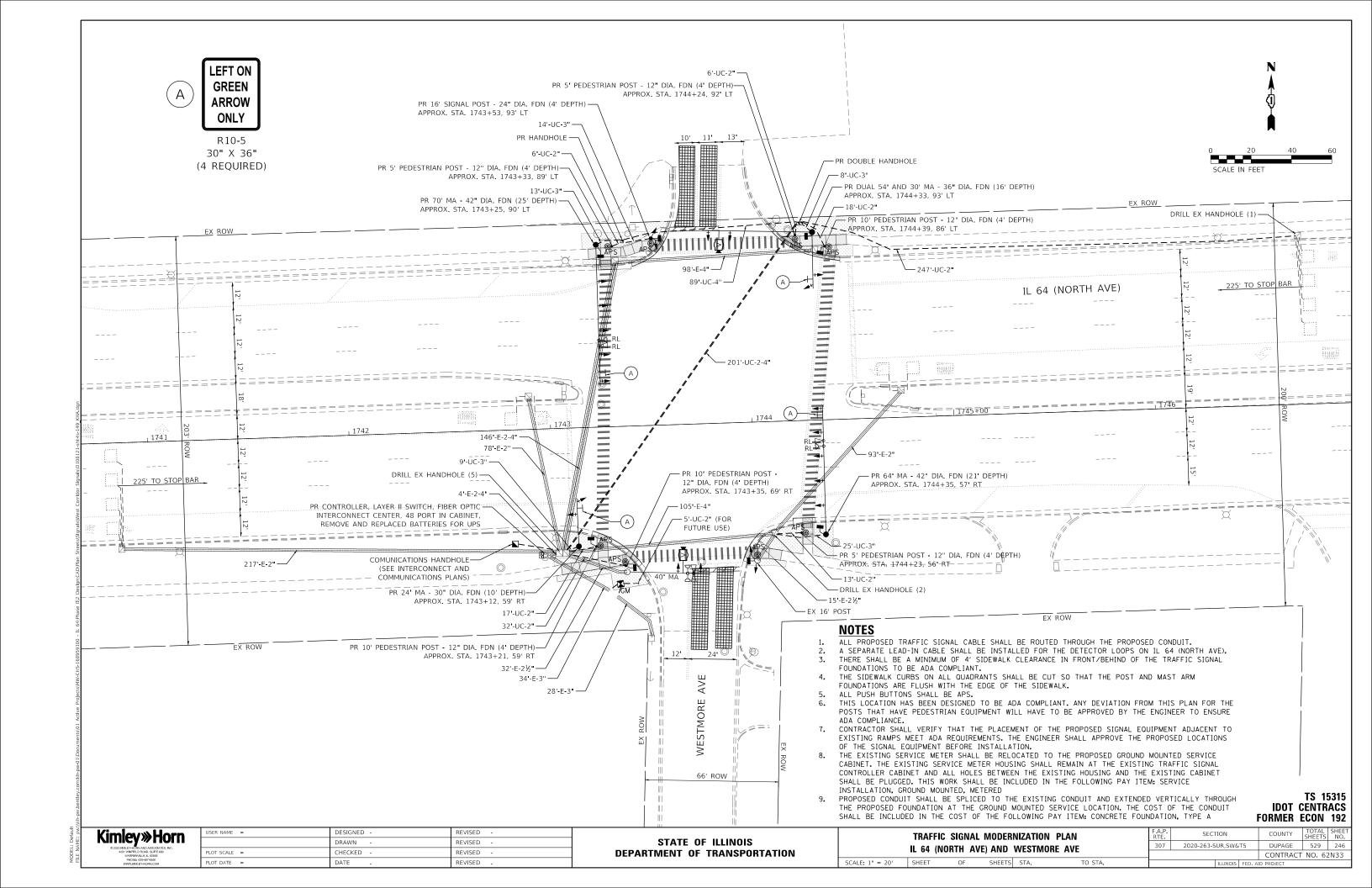
CONTRACT NO. 62N33

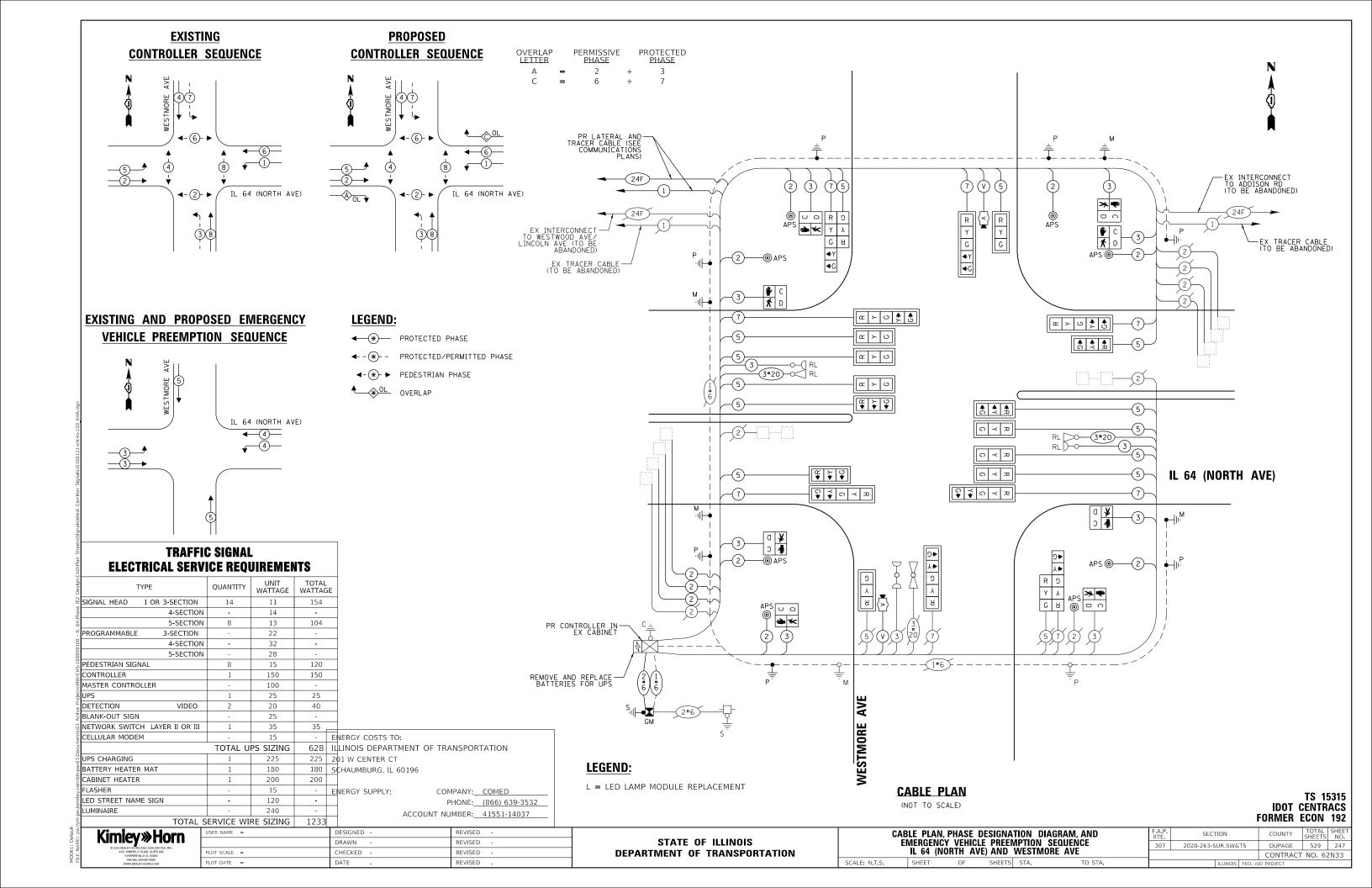
Kimley >>> Horn

9 200 MMLF1-400M AND ASSOCIATES, NO.
400 MMFILE RODE, 1900
WARRENLE LE 0.0500
PHOTOLE 50-4505

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PLOT DATE =	DATE -	REVISED -







# Westmore Ave



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	9.75	2	ZZ	



SIGN PANEL TYPE

## SCHEDULE OF QUANTITIES

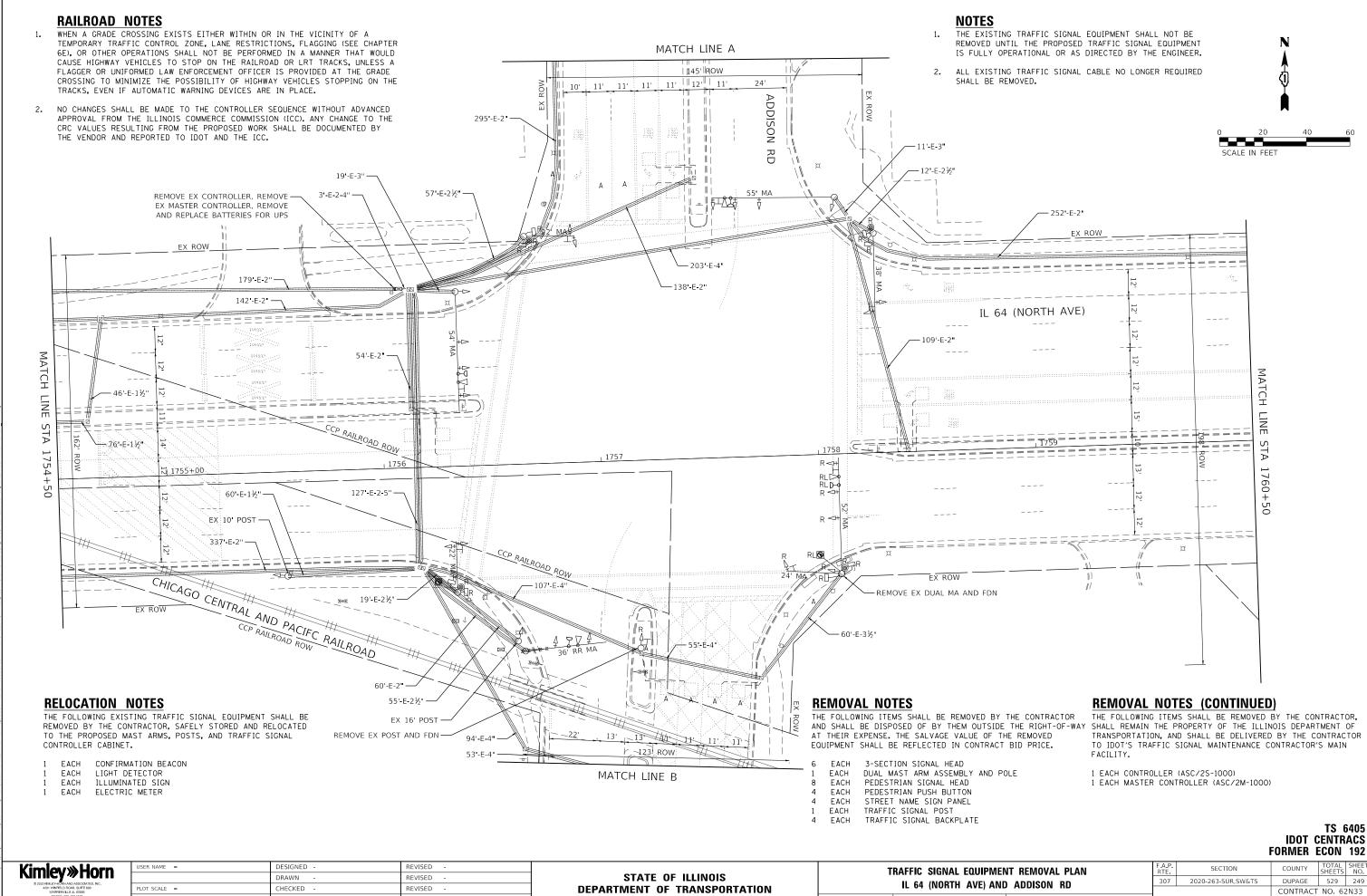
ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	44.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	344
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	69
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	491
HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1537
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2486
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3869
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1793
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	663
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	84
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	988
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 70 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	16
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46
DRILL EXISTING HANDHOLE	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	3
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	692
CENTRACS LICENSE EXPANSION	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
LED SIGNAL FACE VISOR HEATER	EACH	22
LED SIGNAL FACE VISOR HEATER	EACH	22
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
- 100% COST TO THE VILLAGE OF VILLA PARK	Literi	-

TS 15315 IDOT CENTRACS FORMER ECON 192

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PHONE: 630-487-5550

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PLOT DATE =	DATE -	REVISED -	

QTY. REQUIRED



SCALE: 1" = 20' SHEET

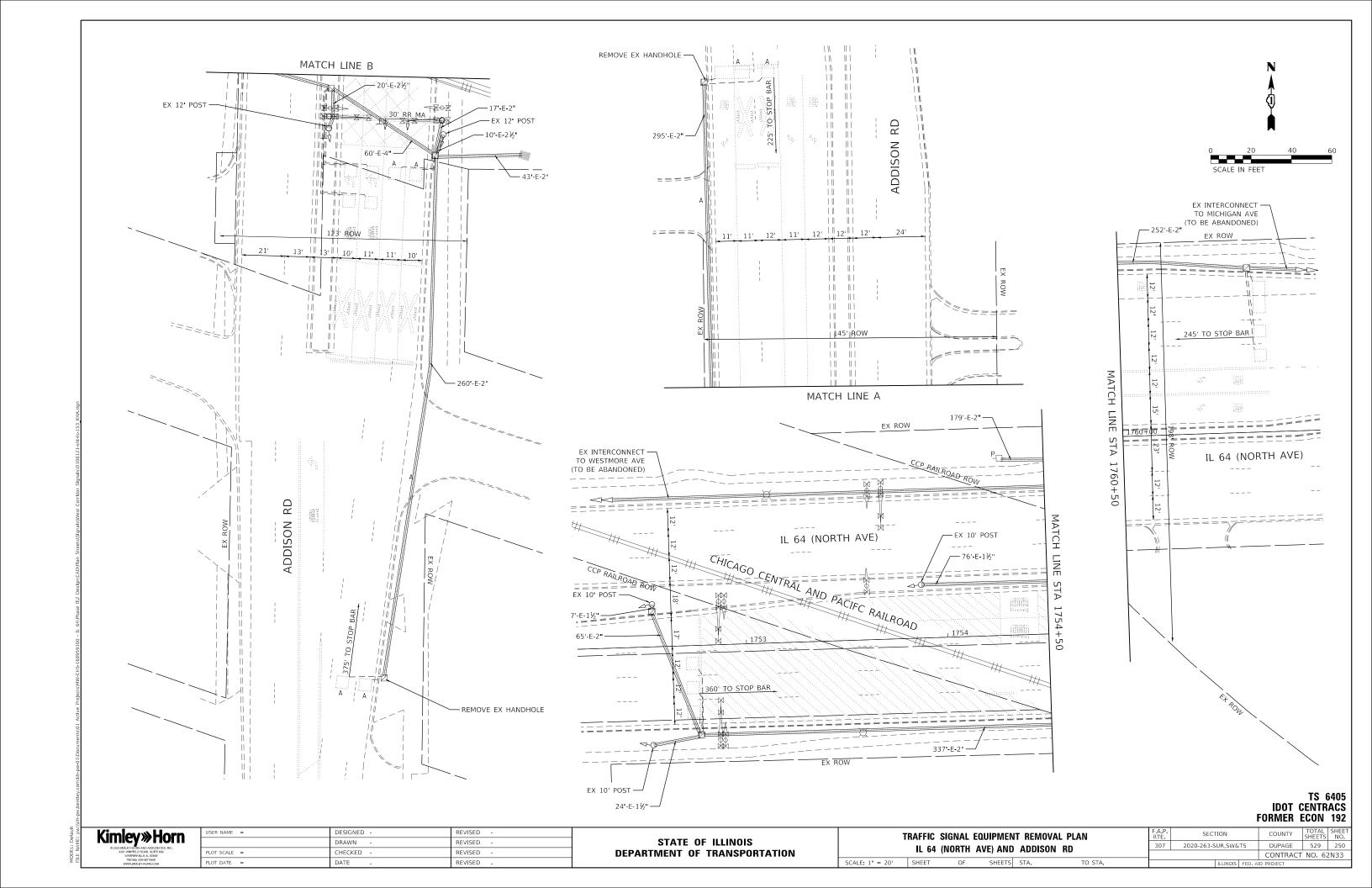
SHEETS STA.

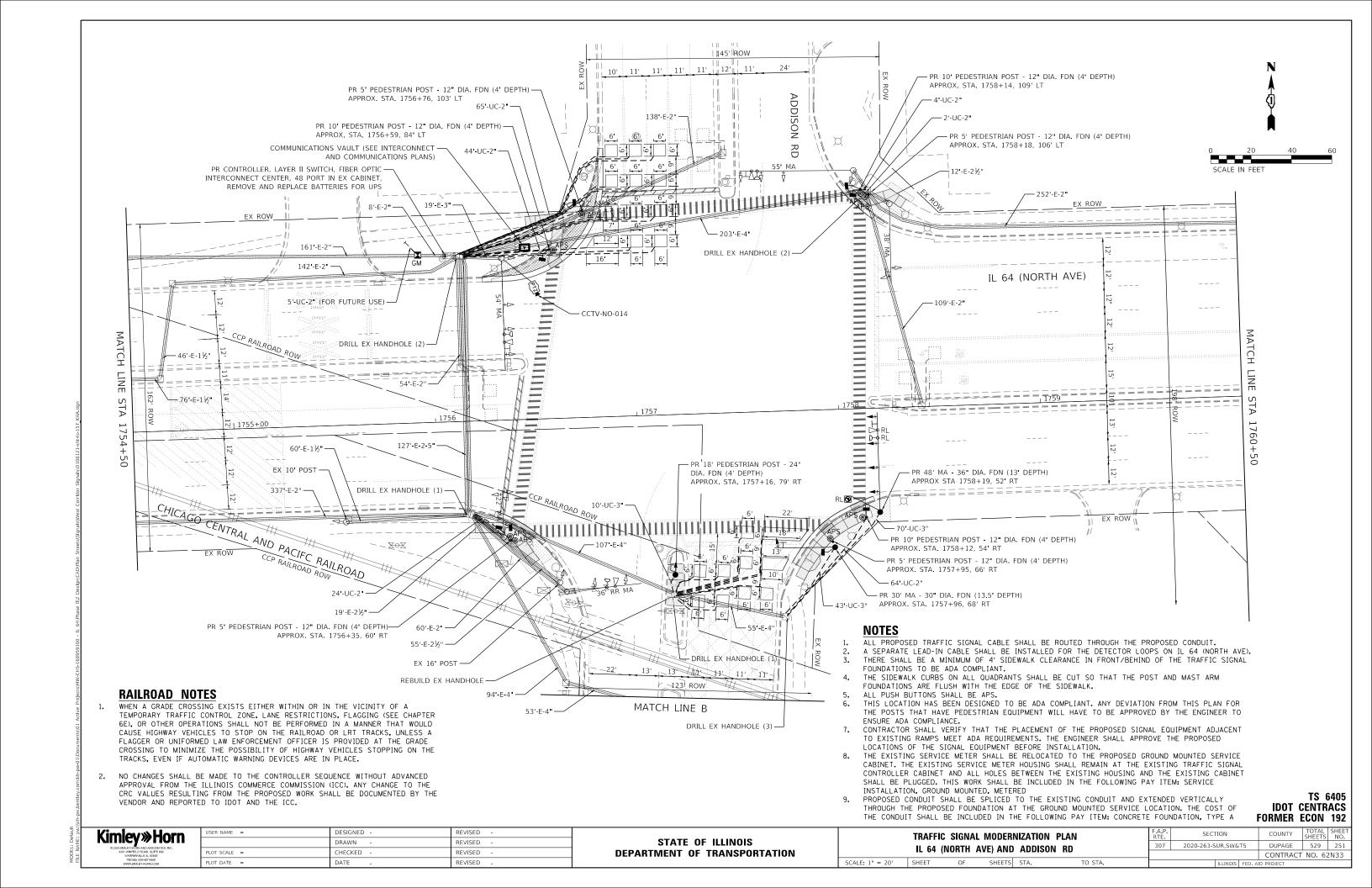
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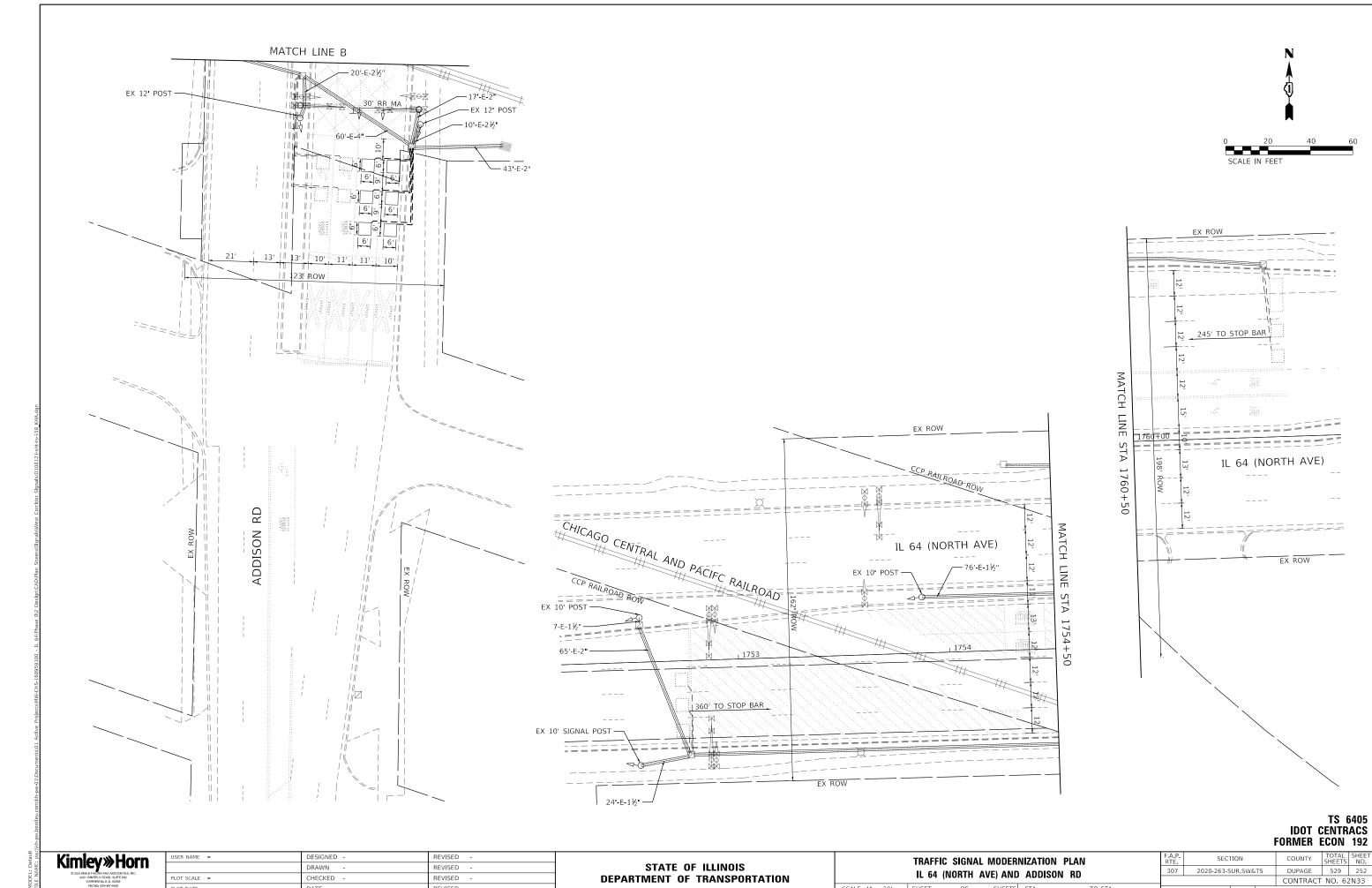
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DATE

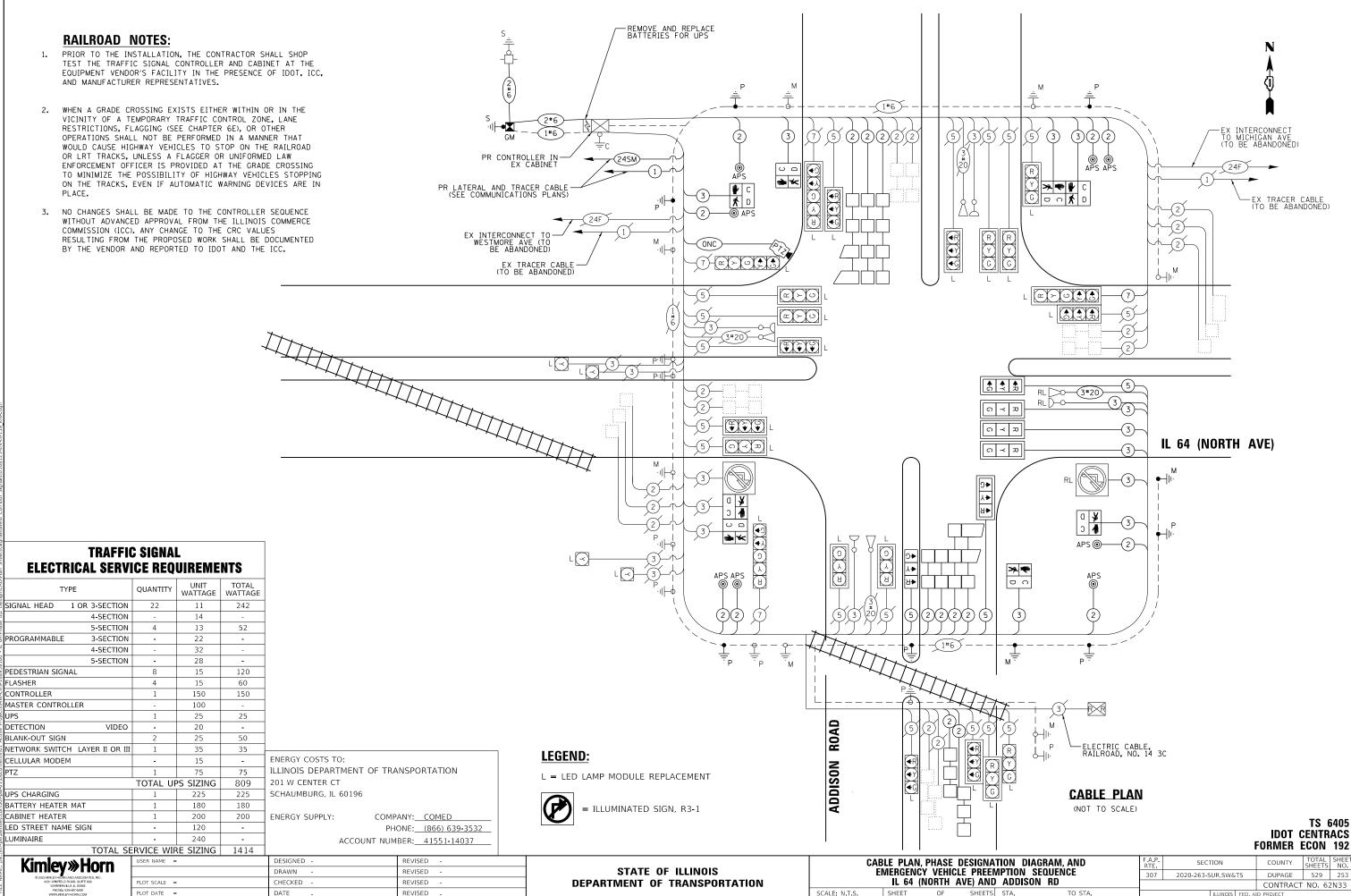
REVISED







SCALE: 1" = 20' SHEET OF SHEETS STA.



MODEL: Default FILE NAME: ow:\\kh-r

# SEQUENCE OF OPERATION

MOVEMENT	5 1 1L. RTE. 64	MS 100 6	NOS 1009 RTE. 64	11. ATE. 64	7 LL. RTE. 64	3   8   3   8   3   8	NTS 100 1	11 RTE. 64
PHASE	1+5	1+6	2+5	2+6	3+7	3+8	4+7	4+8
INTERVAL	1 2A 2B 3A 3B 4A 4B	5 6 7A 7B		11 12 13A 13B 14A 14B 15A 15B	16 17A 17B 18A 18B 18C 18D 19A 19B 19C 19D	20 21 224 228 220 220 234 238 230 230	24 25 26A 26B 27A 27B	28 29 30A 30B 30C 30D <b>S</b>
CHANGE TO	1+6 2+5 2+6	2+6	2+6	1+6 2+5 3+7 3+8 4+7 4+8	3+8 4+7 4+8 1+5, 1+6 2+5, 2+6	4+8 1+5, 1+6 2+5, 2+6	4+8 1+5, 1+6 2+5, 2+6	1+5, 1+6 2+5, 2+6
IL RTE. 64 (EB) NEAR RT. FAR RT & 2 MID M.A. SIGNALS	R R R R R R	RRRR	6 6 6 6	G G Y R G G Y R	R R R R R R R R R	R R R R R R R R	R R R R R	RRRRRR
IL RTE. 64 (EB) END MAST ARM AND FAR LEFT SIGNALS	G Y R G G Y R	RRRR	G G Y R	RRRRRRRR	RRRRRRRRR	RRRRRRRRR	R R R R R	RRRRRR
IL RTE. 64 (WB) NEAR RIGHT AND FAR RIGHT SIGNALS	RRRRRR	G G G G	RRRR	G G G G Y R Y R	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	R R R R R R R R R	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	R R R R R R
IL RTE. 64 (WB) MID MAST ARM SIGNALS	R R R R R R	G G G G	RRRR	G G G G Y R Y R	R R R R R R R R R	R R R R R R R R R	R R R R R	R R R R R R
IL RTE. 64 (WB) END MAST ARM AND FAR LEFT SIGNALS	G G G Y R Y R	G G Y R	RRRR	RRRRRRRR	RRRRRRRRRR	R R R R R R R R R	R R R R R R	RRRRRR
ADDISON ROAD (SB) NEAR RIGHT AND FAR RIGHT SIGNALS		R R R R	$G^R G^R Y^R R$	R R R R R R R	R R R R R R R R R	R R R R R R R R R	G G G G Y R	G G Y R R R
ADDISON ROAD (SB) R.R. CANTILEVER SIGNALS	RRRRRRR	R R R R	R R R R	R R R R R R R	RRRRRRRRR	R R R R R R R R R	G G G G Y R	G G Y R R R
ADDISON ROAD (SB) MEDIAN POST AND FAR LEFT SIGNALS	R R R R R R	R R R R	RRRRR	RRRRRRR	G Y R G G G G Y R R R	RRRRRRRRR	G G Y R Y R	RRRRRR
ADDISON ROAD, SOUTH OF TRACKS (NB) NEAR RIGHT AND RIGHT R.R. CANTILEVER SIGNALS	RRRRRR	R R R R	R R R R	R R R R R R R	R R R R R R R R R R	G G G G G Y R R	RRRRR	G G Y R R R
ADDISON ROAD, SOUTH OF TRACKS (NB) NEAR LEFT AND END R.R. CANTILEVER SIGNALS	R R R R R R	RRRR	RRRRR	RRRRRRRR	G G G Y R R R Y R R R	GGYRRRYRR	R R R R R	RRRRRR
ADDISON ROAD, NORTH OF TRACKS (NB) FAR RIGHT AND 2 MAST ARM SIGNALS	R R R R R R	R R R R	RRRR	RRRRRRRR	R R R R R R R R R	G G G G G G Y R	RRRRRR	G G G G Y R R
ADDISON ROAD, NORTH OF TRACKS (NB) END MAST ARM AND FAR LEFT SIGNALS	R R R R R R	RRRR	RRRRR	RRRRRRR	G G G G G Y R G G Y R	G G G G Y R G G Y R	R R R R R R	RRRRRR
PEDESTRIAN SIGNAL CROSSING ADDISON ROAD ON NORTH SIDE OF IL RTE 64	н н н н н н	P FH H H	н н н н	P FH H H H H H H	н н н н н н н н н	н н н н н н н н н	н н н н н	н н н н н Р
PEDESTRIAN SIGNAL CROSSING ADDISON ROAD ON SOUTH SIDE OF IL RTE 64	н н н н н н	н н н н	P FH H H	P FH H H H H H	н н н н н н н н н н	н н н н н н н н н	н н н н н	н н н н н В
PEDESTRIAN SIGNAL CROSSING IL RTE 64 ON EAST SIDE OF ADDISON ROAD	н н н н н н	н н н н	н н н н	н н н н н н н	н н н н н н н н н	P FH H H H H H H H	н н н н н	P FH H H H H D
PEDESTRIAN SIGNAL CROSSING IL RTE 64 ON WEST SIDE OF ADDISON ROAD	н н н н н н	нннн	н н н н	н н н н н н н	н н н н н н н н н	н н н н н н н н н	P FH H H H H	P FH H H H D
IL RTE. 64 (EB) YELLOW FLASHERS WEST OF TRACKS	FL FL FL FL FL FL FL Y Y Y Y Y	FL FL FL FL Y Y Y Y	D D D D	D D FL FL FL FL FL FL FL	FL         FL<	FL F	FL FL FL FL FL FL Y Y Y	FL FL FL FL FL FL D
IL RTE. 64 (EB) YELLOW FLASHERS EAST OF TRACKS	FL FL FL FL FL FL FL Y Y Y Y Y Y Y	FL FL FL FL Y Y Y Y	D D D D	D D FL FL FL FL FL FL Y	FL Y Y Y Y	FL	FL FL FL FL FL FL Y Y Y Y	FL FL FL FL FL D

NOTE: PHASE 2+6 SHALL BE PLACED ON RECALL.

- TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- •• FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
- THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS.

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

D = DARK

FL = FLASHING YELLOW BEACON

SCALE: N.T.S.

Kimley» Horn

9 2023 MALEY-HOYDI AND ASSOCIATE, NO.
409 MAYELE FLOOR ASSOCIATE, NO.
WARREVILLE II. 05050
PHORE 630-47-5509

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PLOT DATE =	DATE -	REVISED -

STATE OF ILLINOIS	
<b>DEPARTMENT OF TRANSPORTATION</b>	

	SEQUEN	ICE OF OPI	RATION		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
II 6/	/NORTH	AVE) AND	ADDISOR	N RD	307	2020-263-SUR,SW&TS	DUPAGE	529	254
IL 07	hiomin	AVE/ AND	ADDISOI	1 IID			CONTRACT	Γ NO. 62	2N33
SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

				PREEMPTOR
	NUMBER 4	NUMBER 5	NUMBER 6	NUMBER 3
_				* - * - * - * - * - * - * - * - * - * -

																	INDIVID	LIV 4	NUML	LIV 3	HOME	JEN 0	NUMBER 3	ļ						
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		5		8	1	11	11	6	2	0	2	4	2	8														
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER																		2	;	3	,	4				w				
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	18	1C	1D	1E	1F	16	1H	1J	1K	1L	1M	1N	1P	10	1R	15	1T	1U	1٧	1 W	1X	2	3	4	5	6	7	8	CLEAR TO
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	2	1М	2	1P	2	1R	2	1T	2	1V	2	1X	2	3	4	5	6	7	8		NORMAL SEQUENCE
IL RTE. 64 (EB) NEAR RT. FAR RT & 2 MID M.A. SIGNALS	R	R	R	R	Y	R	Y	R	R	R	·R	R	R	R	R	R	Υ	R	R	R	R	R	R	R	R	G	Y	R	R	Δ
IL RTE. 64 (EB) END MAST ARM AND FAR LEFT SIGNALS	Y	R	R	R	¥.	R	R	R	R	R	R	R	R	R	₽	R	¥_	R	R	R	R	R	R	_R_	R	ر ا	Y	R	R	Δ
IL RTE. 64 NEAR RIGHT AND FAR RIGHT SIGNALS (WB)	R	R	Y	R	R	R	Y	R	R Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R G →	۵
IL RTE. 64 (WB) MID MAST ARM SIGNALS	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	۵
IL RTE. 64 (WB) END MAST ARM AND FAR LEFT SIGNALS	¥	R	<u>Y</u>	R	R	R	R	R	R	R	R	R	R	R	R	₽	R	R	Y	R	R	_R_	R	R	R	R	R	R	<u>-</u> R_	۵
ADDISON ROAD (SB) NEAR RIGHT AND FAR RIGHT SIGNALS	γR	R	R	R	YR Y	R	R	R	R	R	R	R	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	Δ
ADDISON ROAD (SB) R.R. CANTILEVER SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	Δ
ADDISON ROAD (SB) MEDIAN POST AND FAR LEFT SIGNALS	R	R	R	R	R	R	_R_	R	¥.	R	R	R	¥.	R	-R	₽	R	R	R	R	R	R	R	-R	R	R	R	R	-G	Δ
ADDISON ROAD, SOUTH OF TRACKS (NB) NEAR RIGHT AND RIGHT R.R. CANTILEVER SIGNALS	R	R	R	R	R	R	R	R	R	R	Υ	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	Δ
ADDISON ROAD. SOUTH OF TRACKS (NB) NEAR LEFT AND END R.R. CANTILEVER SIGNALS	R	R	R	R	R	R	R	R	<u>Y</u>	R	¥.	R	R	R	R	R	R	₽	R	R	R	R	R	R	₽	R	R	R	R	Δ
ADDISON ROAD, NORTH OF TRACKS (NB) FAR RIGHT AND 2 MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	G	G	R	R	G	G	R	R	R	R	G	G	G	Υ	R	R	R	R	R	Δ
ADDISON ROAD, NORTH OF TRACKS (NB) END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	₽	<u>-c</u>	<u>_C</u>	<u>G</u>	G	R	_R_	R	R	R	-R	R	R	₽	R	G	<u> </u>	R	R	R	R	R	Δ
PEDESTRIAN SIGNAL CROSSING ADDISON ROAD ON NORTH SIDE OF IL RTE. 64	Н	Н	FH	Н	Н	Н	FH	Н	н	Н	Н	Н	н	н	н	н	Н	н	Н	н	Н	н	Н	Н	Н	н	Н	н	н	Δ
PEDESTRIAN SIGNAL CROSSING ADDISON ROAD ON SOUTH SIDE OF IL RTE. 64	н	н	н	Н	FH	н	FH	Н	н	Н	н	н	н	н	н	Н	Н	н	Н	н	Н	Н	Н	Н	Н	Н	Н	Н	н	Δ
PEDESTRIAN SIGNAL CROSSING IL RTE. 64 ON EAST SIDE OF ADDISON ROAD	Н	Н	Н	Н	Н	Н	Н	Н	н	Н	FH	Н	Н	Н	FH	Н	н	н	Н	н	Н	Н	Н	н	Н	Н	Н	Н	Н	Δ
PEDESTRIAN SIGNAL CROSSING IL RTE. 64 ON WEST SIDE OF ADDISON ROAD	н	Н	Н	Н	Н	н	н	Н	Н	н	н	Н	FH	Н	FH	Н	Н	н	Н	н	Н	н	н	н	Н	Н	Н	Н	Н	Δ
IL RTE. 64 (EB) INTERNALLY ILLUMINATED NRT SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT		NRT		NRT	NRT		NRT				Δ
IL RTE. 64 (EB) YELLOW FLASHERS WEST OF TRACKS	FL Y	Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	۵
IL RTE. 64 (EB) YELLOW FLASHERS EAST OF TRACKS	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	۵
																													HOLD	j

NRT = "NO RIGHT TURN" OR

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

FL = FLASHING YELLOW BEACON

ARAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 8 IS TERMINATED.

SCALE: N.T.S.

Kimley » Horr 9 202 MARY-HON AND ASSOCIATES, NO. 409 MARRIED GAD, SUITE 600 WARRENTLE IL 05050 PHOICE 637-67-550

USER NAME =	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

RAIL	LROAD PR	EEMPT	ION SEQU	ENCE 0	F OPERA	TION	F.A.P. RTE	SECT	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.
	II 6/ /I	MTAUN	AVE) AND	Annie	ON RD		307	2020-263-S	UR,SW&	TS	DUPAGE	529	255
	11. 07 (1	1011111	AVE, AND	ADDIO	טוז ווט						CONTRACT	NO. 62	2N33
i.	SHEET	OF	SHEETS	STA.		TO STA.			ILLINOIS	FED. Al	D PROJECT		

# EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																																														PREEMPTO NUMBER		OR PREEMP		
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		1		1		5		5		3		8		11			11			11			16	200000000000000000000000000000000000000		2	0				2	:0			24		:	24			28	В		28					LEAR TO
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	18	10	10 1	E 16	F 10	G 1H	1J	1K	1L	1M	IN I	P 10	) 1R	15	17	10	1V	1₩	1X	1Y	1Z 1	AA 18	3B 10	C IDI	D 1EE	1FF	166	188	1JJ 1	KK 1L	L 1M	M INN	I IPP	100	1RR	155	TT 1	יו טט	vv 1wv	w 1xx	K IYY	Y 1ZZ	1444	1BBB	2	3	4		ORMAL OUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	3 1	F 4	11	H 1J	2 OR	4 3	1M	2	1P 1	o OR	4 15	17	2	1٧	1W	3	14	12	4 1	3B 1C	C 10	00 OR	3 4 1FF	166	144	1JJ c	2 DR 3	LL IN	MM IN	IN 1PF	4	IRR	155	2 OR 3	UU 1	vv	4 1XX	ואי	r 1ZZ	Z IAAA	2 OR 3	4					<b>♦</b>
IL RTE, 64 (EB) NEAR RT. FAR RT & 2 MID M.A. SIGNALS	R	R	R	R I	RR	F	R	R	R	G	С	G	Y R	G	G	G	G	Y	R	G	Y	R	R I	R F	R R	R	R	R	R	R	R	R R	R	R	R	R	R	R	R	R R	R	R	R	R	R	G	R	R		<b>\lambda</b>
IL RTE. 64 (EB) END MAST ARM AND FAR LEFT SIGNALS	G	<u>_C</u>	<u> </u>	R -	<u>Y</u> _F	<u> </u>	R	R	R	<u>~c</u>	<u>c</u>	<u>c</u> _	<u> </u>	R	R	R	R	R	R.	R	R	R	R F	R R		R	R_	R	R	<u>R</u> -	R -	R _F	<u> </u>	_ <u>R</u>	R	R	R	R	R -	R R	R	R_	_ R	R	R	G	R	R		<b>\lambda</b>
IL RTE, 64 NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R I	R R		; Y	R	С	R	R	R	R R	G	Y	R	G	G	G	G	Y		R Y F	R F	R R	R	R	R	R	R	R	R F	R R	R	G <sup>R</sup>	YR —	R.	G <sup>R</sup> Y	· R	R R	R	R	R	R	R	R	G	R		<u> </u>
IL RTE, 64 (WB) MID MAST ARM SIGNALS	R	R	R	R I	RR	2	; Y	R	G	R	R	R	R	G	Y	R	G	G	G	С	Y	R	R F	R F	R R	R	R	R	R	R	R	R F	R R	R	R	R	R	R	R I	R R	R	R	R	R	R	R	C	R		<b>\lambda</b>
IL RTE. 64 (WB) END MAST ARM AND FAR LEFT SIGNALS	<u>~</u>	R	<u>c</u> _	C _		₹ -			<u>_c</u>	R	R	R -	₹ _R	R	. R	R	R	R	R	R	R		R I	R J	R R	_ <u>R</u>	R	R	_R_	R	R J	R R	R	. <u>.</u> R	R	_R_	<u>R</u> .	R -	R .	R R	R	R	R	R	R	R	G	R		<b>♦</b>
ADDISON ROAD NEAR RIGHT AND FAR RIGHT SIGNALS (SB)	YR Y	R	Υ <sup>R</sup>	R <u>Y</u>		₹ F	R	R	R	g <sup>R</sup>	Y <sup>R</sup>	G <sup>R</sup> Y	R R	R	R	R	R	R	R	R	R	R	R F	R I	R R	R	R	R	R	R	R F	R R	R	R	G	Y	R	С	G (	G G	Y	r R	R	R	C	R	R	G		<b>\lambda</b>
ADDISON ROAD R.R. CANTILEVER SIGNALS (SB)	R	R	R	R I	R R	F	R R	R	R	R	R	R	R R	R	R	R	R	R	R	R	R	R	R F	R I	R R	R	R	R	R	R	R f	R R	R	R	G	Y	R	G	G (	3 6	Y	r R	R	R	G	R	R	G		<b>\lambda</b>
ADDISON ROAD MEDIAN POST AND FAR LEFT SIGNALS (SB)	R	_R_	_R	R		2 _F	<u>R</u>		R	R	R	R	R _R		R	R	R	R	R	R	R		Ϋ́ -[	R J		R	R.	-R	R	<u>R</u> -	R J	R R	R	R	-C	¥.	R.	<u>c</u> _	<u>Y</u> _!	R R	R	R	R	R	R	R	R	-R	$\perp$	<b>♦</b>
ADDISON ROAD, SOUTH OF TRACKS (NB) NEAR RT AND RT R.R. CANTILEVER SIGNALS	R	R	R	R	R F	F	R	R	R	R	R	R	R	R	R	R	, R	R	R	R	R	R	R F	R F	RR	G	Y	R	R	R	G (	G G	; G	G	R	R	R	R	RI	R G	Y	R	R	R	G	R	R	G		<b>\lambda</b>
ADDISON ROAD, SOUTH OF TRACKS (NB) NEAR LT AND END R.R. CANTILEVER SIGNALS	₽.	R	<u>R</u> -	R _	R F	<u> </u>	R R	R	R	R	R	R	R R	R	R_	R	R	R	R	R	R	R	Y F	R F	R R	_ <u>c</u>	- <u>Y</u>	R	R	-R	<u>c</u> _	Y R	R	R	R	R	<u>R</u>	R -	R J	R	R	R	- <u>R</u>	R	-R	R	R	R		<b>\langle</b>
ADDISON ROAD, NORTH OF TRACKS (NB) FAR RIGHT AND 2 MAST ARM SIGNALS	R	R	R	R	R F	₹ F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R F	R F	R R	G	С	G	Y	R	G	c c	G	G	R	R	R	R	R F	R G	С	C	Y	R	С	R	R	G		<b>♦</b>
ADDISON ROAD, NORTH OF TRACKS (NB) END MAST ARM AND FAR LEFT SIGNALS	R	R	<u>R</u> -	R .	R F	<u> </u>	<u>R</u>	R	R	R	R	R	R _R	R	R	R	R	R	R	₽	R	R	<u>c</u> _c	G _	Y R		<u>. G</u>	<u>−</u> C	¥	_R _	<u>c</u> _	<u>c</u> _c	3 <u>Y</u>	R	R	R	R	R -		RR	R	<u>R</u>		R	<del>_R</del>	R	R	R		<b>♦</b>
PEDESTRIAN SIGNAL CROSSING ADDISON ROAD ON NORTH SIDE OF IL RTE. 64	н	Н	н	н	н	ł F	нн	н	FH	н	н	н	4 Н	F	н	н	FH	н	н	FH	н	н	н н	н	н н	н	н	н	н	н	н і	н н	н н	н	Н	н	н	н	н :	н н	н	Н	н	н	н	н	н	Н		<b>♦</b>
PEDESTRIAN SIGNAL CROSSING ADDISON ROAD ON SOUTH SIDE OF IL RTE. 64	Н	н	н	н	н н	{   }	н н	Н	Н	FH	н	FH	н н	F	н	н	FH	н	н	FH	н	н	н н	н	н н	н	н	н	н	н	н	н н	1 Н	н	Н	н	н	н	н 1	н	н	н	Н	Н	н	н	н	н		<b>\rightarrow</b>
PEDESTRIAN SIGNAL CROSSING IL RTE. 64 ON EAST SIDE OF ADDISON ROAD	н	н	н	н	н н	i l	1 н	н	Н	н	н	Н	-1 Н	Н	н	н	н	н	н	н	н	н	н	н	н н	FH	н	н	н	н	FH I	н Н	4 н	Н	Н	н	н	н	н	H FI	нн	н	н	н	FH	н	н	н	$\perp$	<b>♦</b>
PEDESTRIAN SIGNAL CROSSING IL RTE. 64 ON WEST SIDE OF ADDISON ROAD	н	н	н	н	н	1	1 Н	н	Н	Н	н	н	4 Н	Н	н	Н	Н	н	Н	Н	н	Н	н	H F	н	н	н	н	н	н	н	н н	4 Н	н	FH	н	н	FH	н н	ı FI	нн	н	н	н	FH	н	н	Н		<b>\lambda</b>
IL RTE. 64 (EB) YELLOW FLASHERS WEST OF TRACKS	FL Y	FL Y	FL Y	FL F	L F	L F	L FL ′ Y	. FL Y	FL Y	D	D	o f	L FI		D	D	D	FL Y	FL Y	ם	FL Y		L F	L F	L FL Y Y	- FL Y	FL Y	FL Y	FL Y	FL F Y	Y F	L FI	L FL Y Y	- FL Y	FL Y	FL Y	FL Y	FL I	FL F Y	L FL Y Y	L FL Y		- FL Y	FL Y	FL Y	D	FL Y	FL Y	$\perp$	<b>♦</b>
IL RTE. 64 (EB) YELLOW FLASHERS EAST OF TRACKS	FL Y	FL Y	FL Y	FL F	TL FI Y Y	L F	L FL Y	FL Y	FL Y	D	D	D F	L FI	- D	D	D	D	FL Y	FL Y	D	FL Y	FL I	L F	L F	L FL Y Y	- FL Y	FL Y	FL Y	FL Y	FL F Y	L F	L FI	L FL Y Y	. FL Y	FL Y	FL Y	FL Y	FL I	FL F Y	L FL Y Y	L FL Y	L FL Y	- FL Y	FL Y	FL Y	D	FL Y	FL Y		$\Diamond$

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

D = DARK

FL = FLASHING YELLOW BEACON

♦ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, OR 4 IS TERMINATED.

# **RAILROAD NOTES:**

RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

**Kimley \*\*Horn** 

DESIGNED -REVISED -DRAWN REVISED PLOT SCALE = CHECKED -REVISED PLOT DATE = REVISED DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

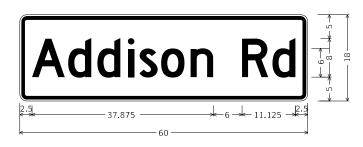
**EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION** IL 64 (NORTH AVE) AND ADDISON RD SCALE: N.T.S. SHEET OF SHEETS STA.

SECTION COUNTY 307 2020-263-SUR,SW&TS DUPAGE 529 256 CONTRACT NO. 62N33

## SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	7.5	1	ZZ	

# **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	208
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	123
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1502
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2003
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2674
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1604
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	65
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	396
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	5
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	583
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6179
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	483
CENTRACS LICENSE EXPANSION	EACH	1
LED LAMP MODULE REPLACEMENT	EACH	75
OUTDOOR RATED NETWORK CABLE	FOOT	124
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 16 FT.	EACH	4
LED SIGNAL FACE VISOR HEATER	EACH	27
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28
CAMERA MOUNTING ASSEMBLY	EACH	1
CAMERA MODIVINO ASSENDE	LACII	1 1

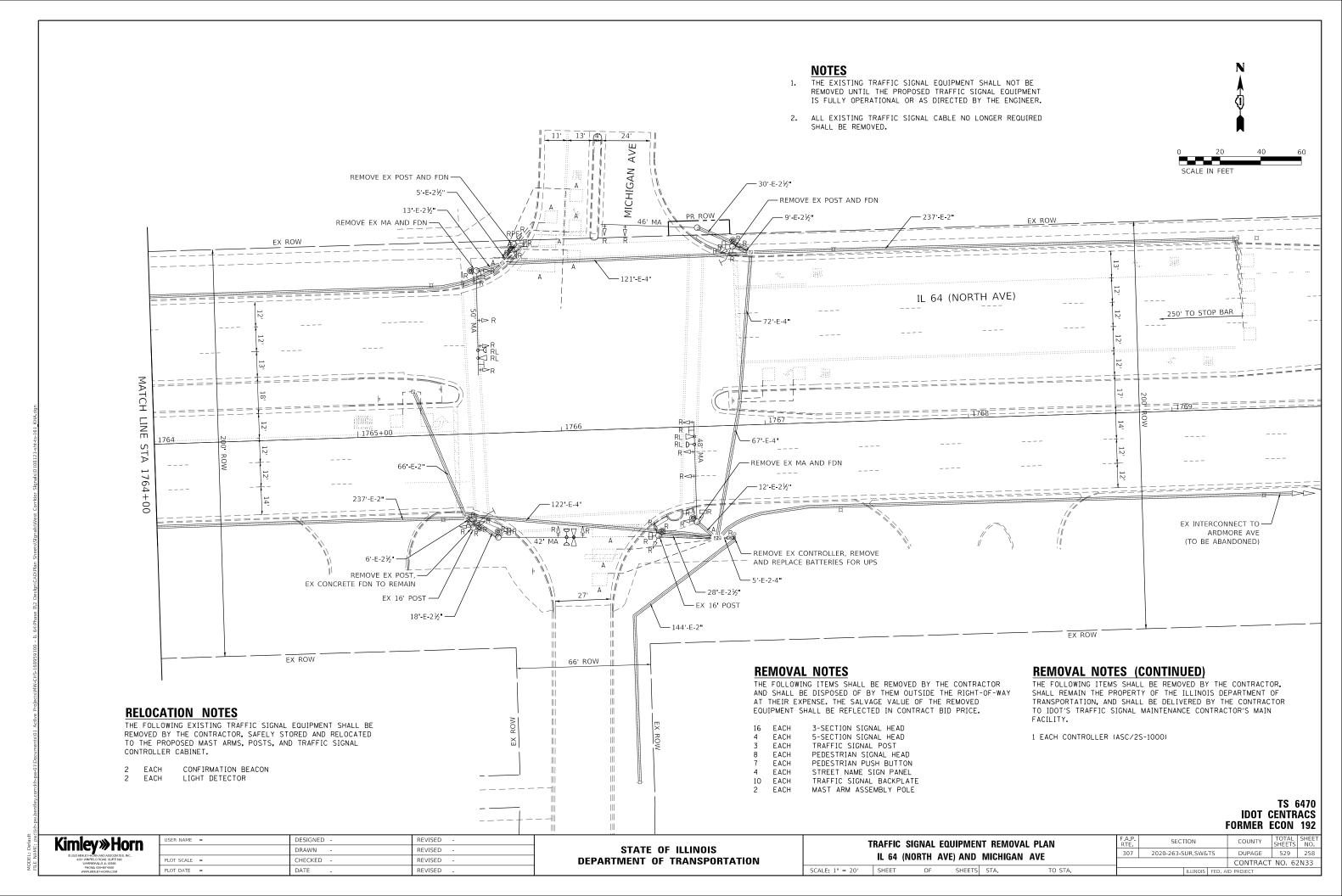
\* - 100% COST TO THE VILLAGE OF VILLA PARK

TS 6405 IDOT CENTRACS **FORMER ECON 192** 

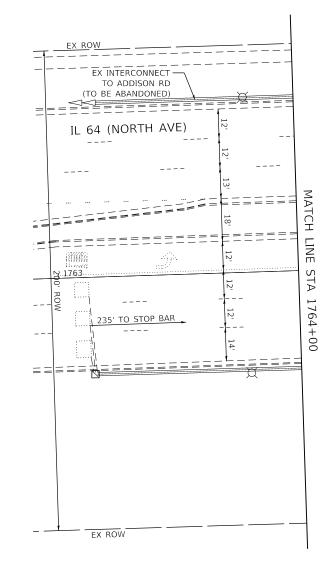
CONTRACT NO. 62N33

Kimley» Horn © 2023 HIMLEY-HÖRN AND ASSOCIATES, INC. 4207 WHIFELD ROAD, SUITE 600	
WARRENVILLE, IL 60555	
PHONE: 630-487-5550	

USER NAME =	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE =	DATE -	REVISED -	



0 20 40 60 SCALE IN FEET



TS 6470
IDOT CENTRACS
FORMER ECON 192

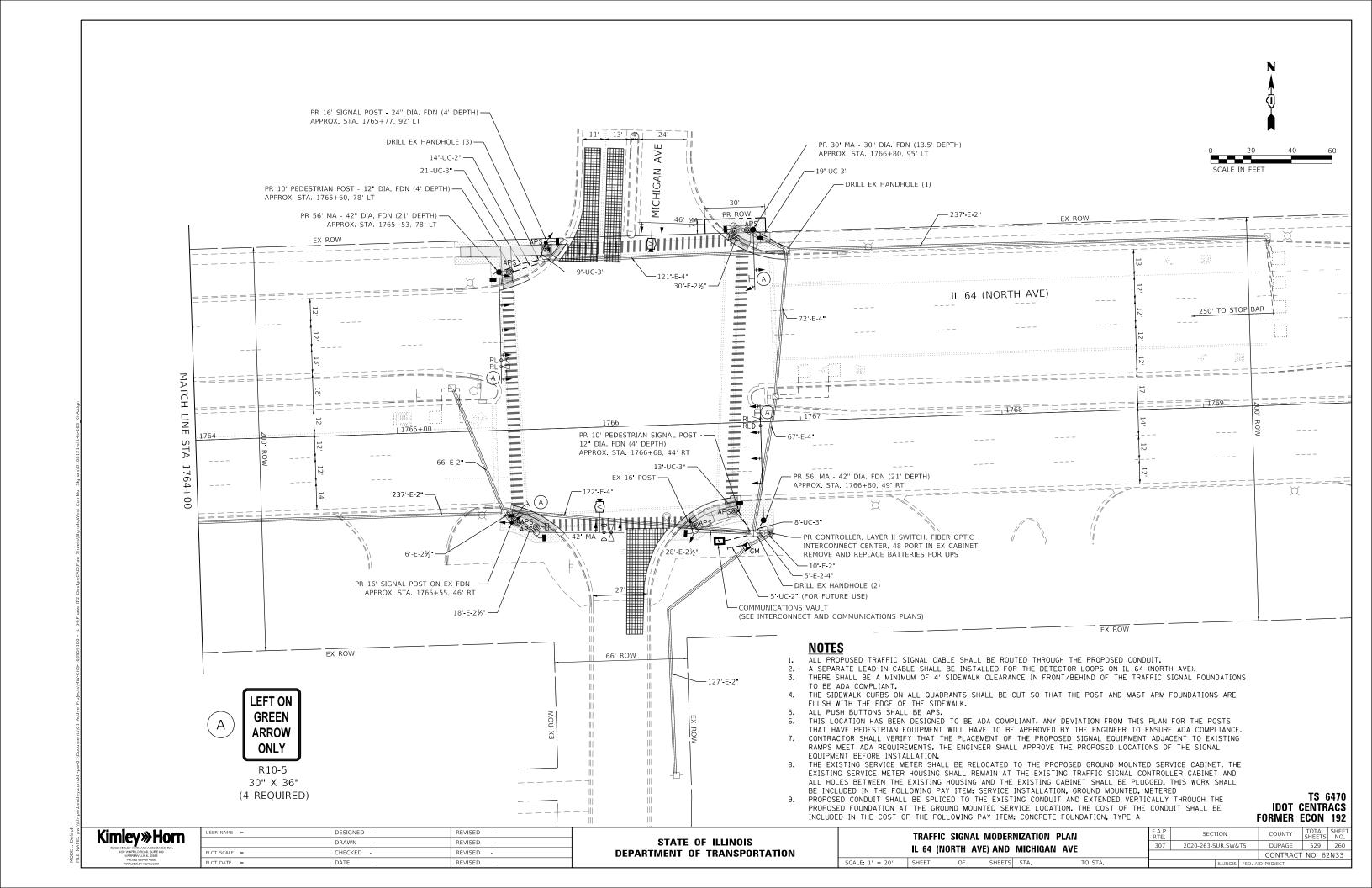
COUNTY TOTAL SHEET NO.
DUPAGE 529 259

Kimley»Hori
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4201 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

USER NAME =	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE =	DATE -	REVISED -	
			•

STAT	E OF	: ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

Т	RAFFIC	SIGNAL E	QUIPMEN	T REMO	VAL PLAN	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	
	II 6/ /I	NORTH A	VE) AND	MICHICA	IN AVE	307	2020-263-SUR,SW&TS	DUPAGE	529	259
	IL 07 (I	WONTH A	VL) AND	WIIGHTU	NIV AVE			CONTRACT	NO. 62	2N33
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



Kimley» Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC. DESIGNED -DRAWN -PLOT SCALE = CHECKED -PLOT DATE = DATE

REVISED -REVISED -REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

TRAFFIC SIGNAL MODERNIZATION PLAN IL 64 (NORTH AVE) AND MICHIGAN AVE SCALE: 1" = 20' SHEET OF SHEETS STA.

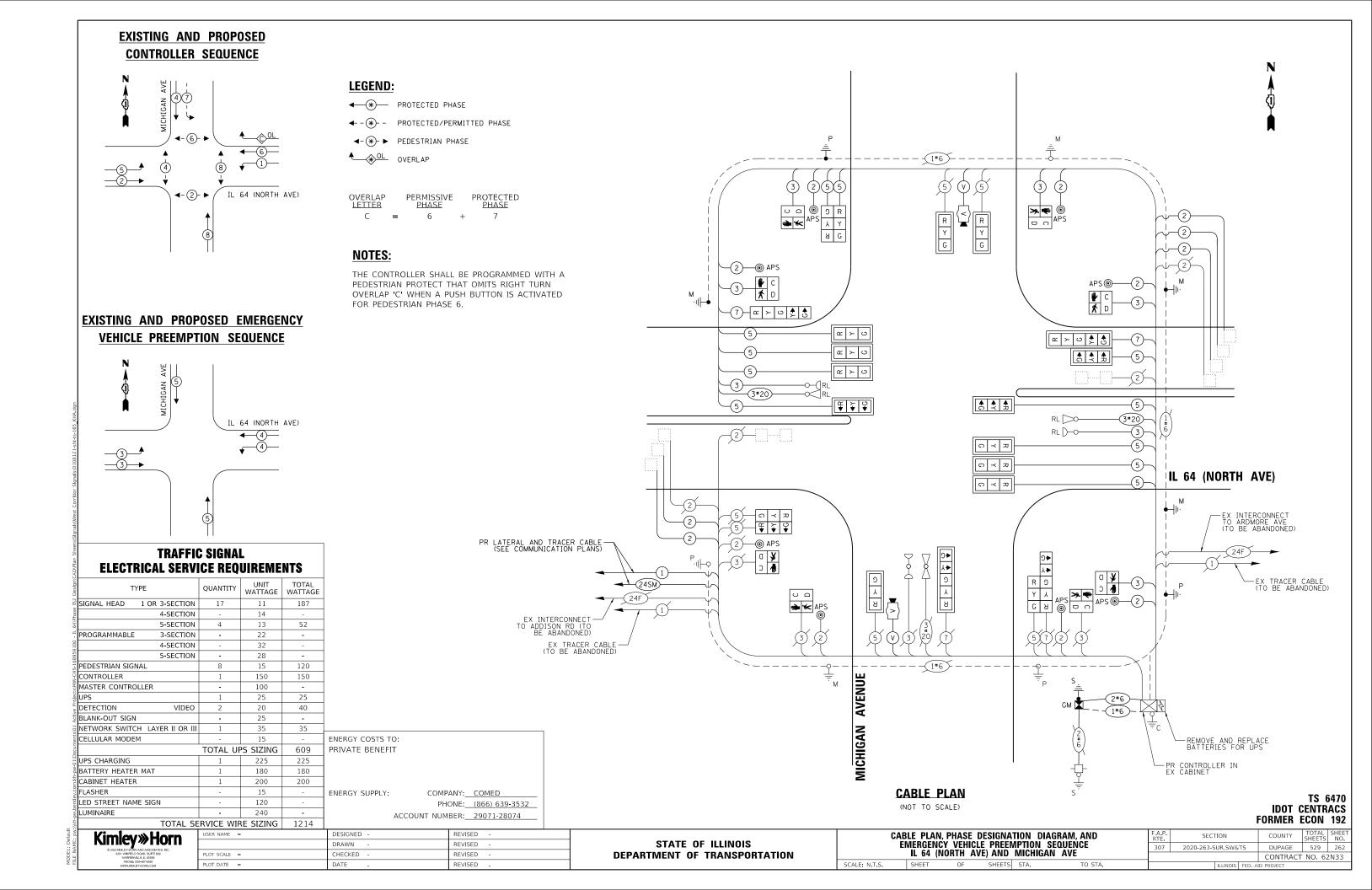
 F.A.P. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEETS NO.

 307
 2020-263-SUR,SW&TS
 DUPAGE
 529
 261

 CONTRACT NO. 62N33

TS 6470 IDOT CENTRACS FORMER ECON 192

IL 64 (NORTH AVE)  ===================================	MATCH LINE STA 1764+00
EX ROW	





DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	9	1	77	



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	2

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	48
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	19
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	70
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1172
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1773
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2752
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	407
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1871
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	58
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	102
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
DRILL EXISTING HANDHOLE	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	5
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6104
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	522
CENTRACS LICENSE EXPANSION	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
LED SIGNAL FACE VISOR HEATER	EACH	21
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2

\* - 100% COST TO THE VILLAGE OF VILLA PARK

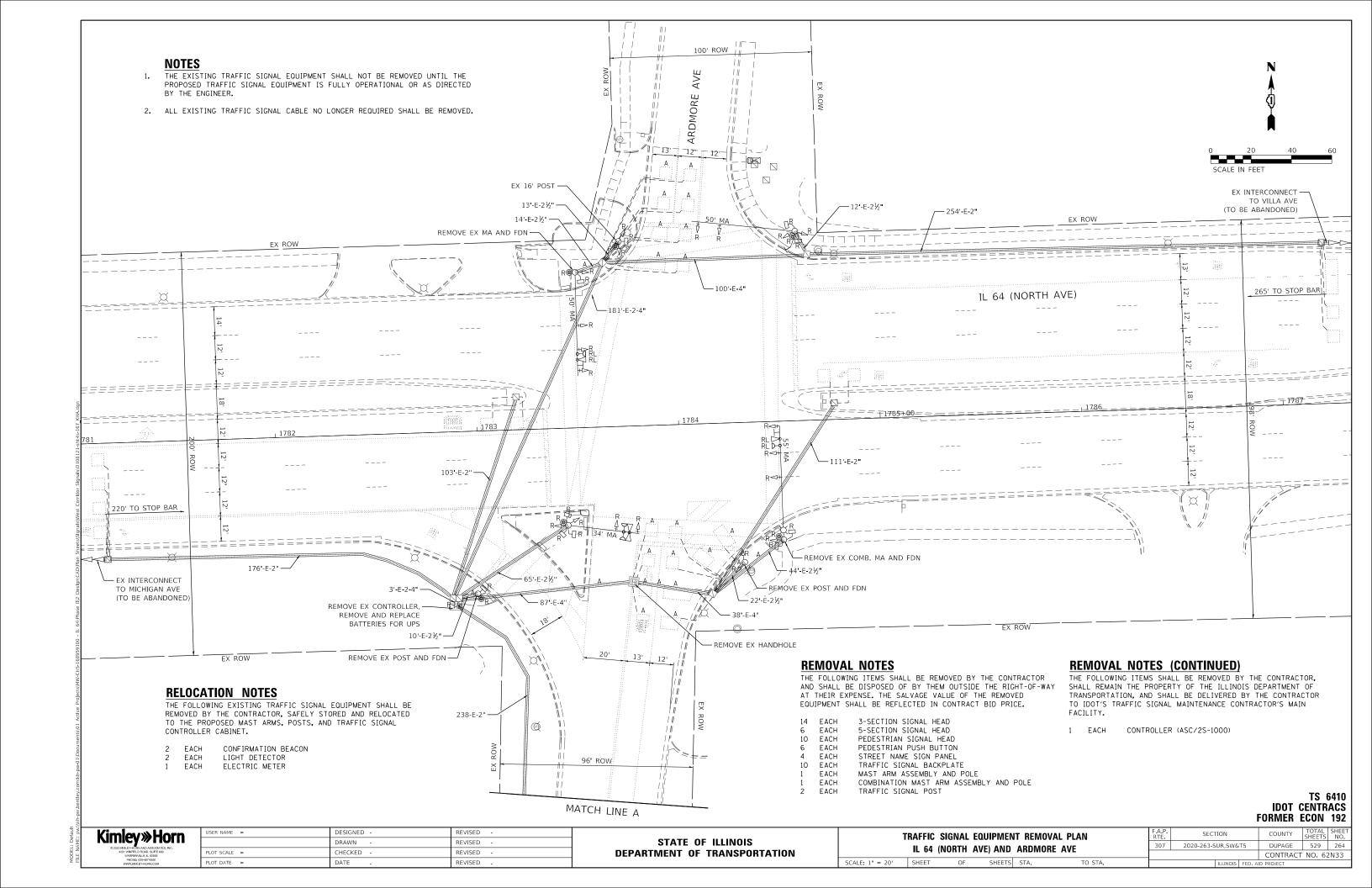
TS 6470 IDOT CENTRACS FORMER ECON 192

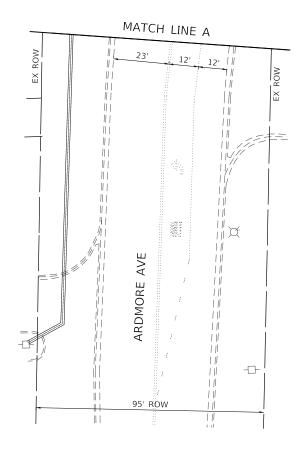
CONTRACT NO. 62N33

COUNTY

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PHONE: 630-487-5550

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PLOT DATE =	DATE -	REVISED -





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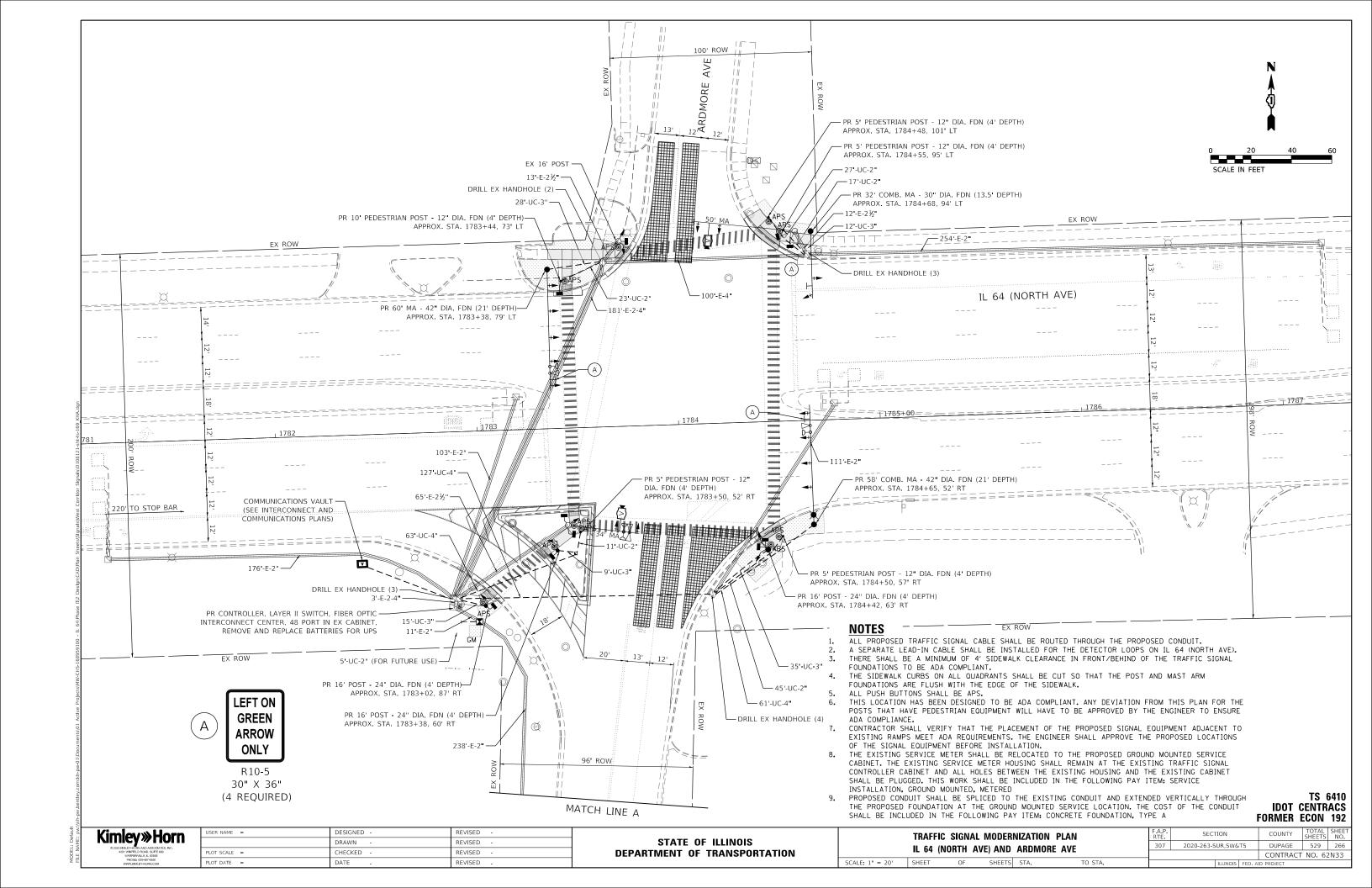
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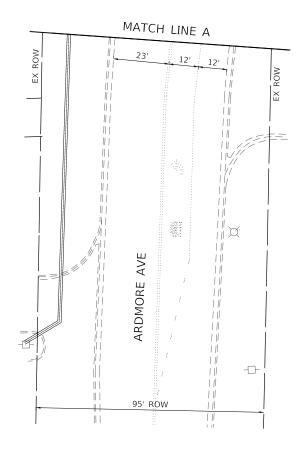
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN					
	IL 64	(NORTH	AVE) AND	ARDMOR	RE AVE
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.

F.A.P. RTE.	SECT	ΠΟN	COUNTY	TOTAL SHEETS	SI	
307	2020-263-S	UR,SW&	DUPAGE	529		
				CONTRACT	NO. 62	2 N
		ILLINOIS	FED. A	ID PROJECT		



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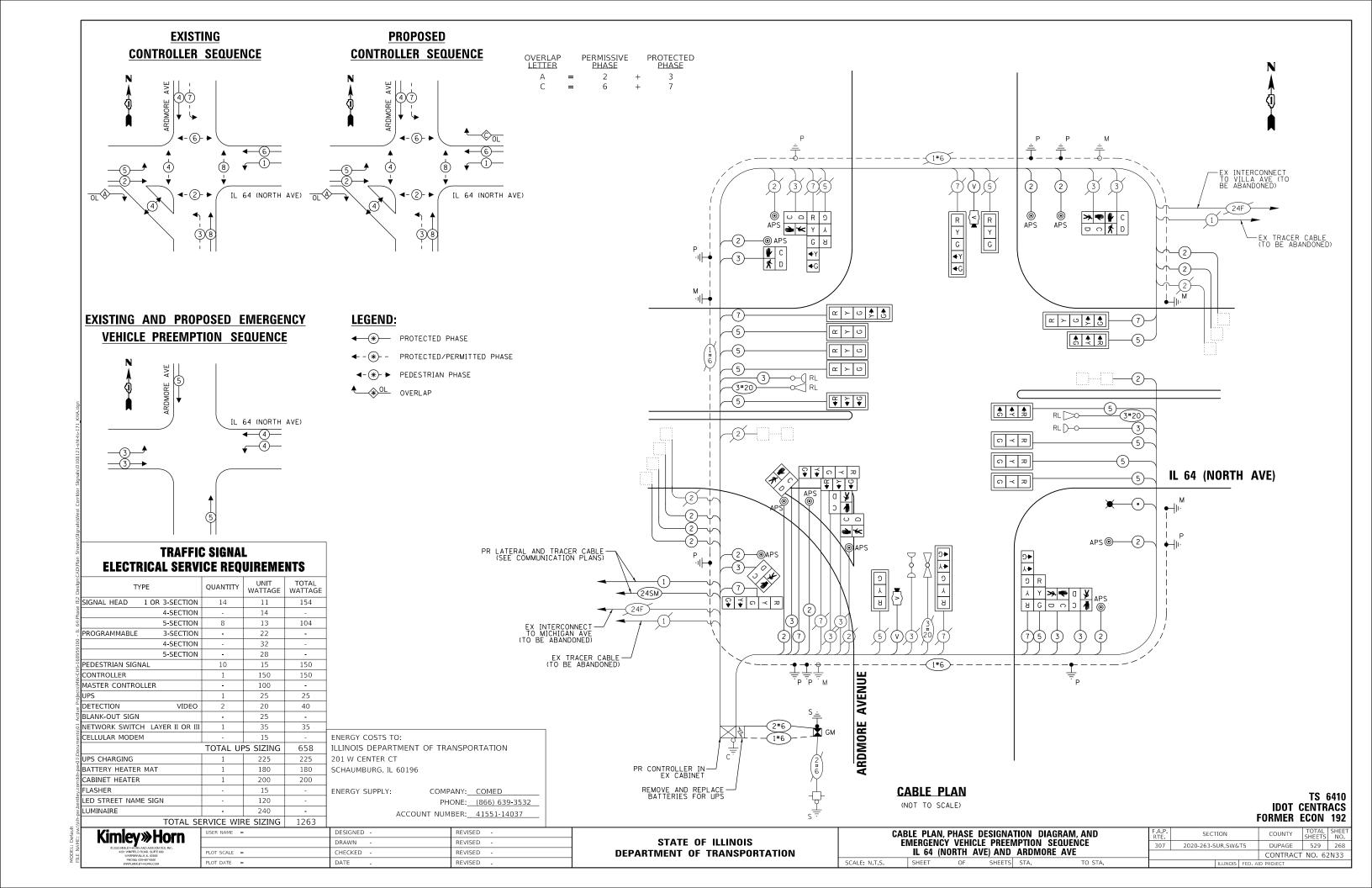
TS 6410
IDOT CENTRACS
FORMER ECON 192

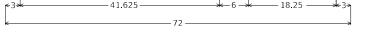
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PLOT DATE =	DATE -	REVISED -

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTA	ATION

							F.A.P. RTE	SECTIO
		II 64	(NORTH	AVE) AND	ARDMO	RF AVF	307	2020-263-SU
			•		_			
	SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		IL
7								





DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	9	1	ZZ	2



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	

## **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	48
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	128
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	99
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	251
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1824
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1617
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3180
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1078
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1613
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	52
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	530
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	11
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	15
INDUCTIVE LOOP DETECTOR	EACH	6
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7699
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	605
CENTRACS LICENSE EXPANSION	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.  PEDESTRIAN SIGNAL POST, 5 FT.		4
LED SIGNAL FACE VISOR HEATER	EACH	21
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
	EACH	
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2

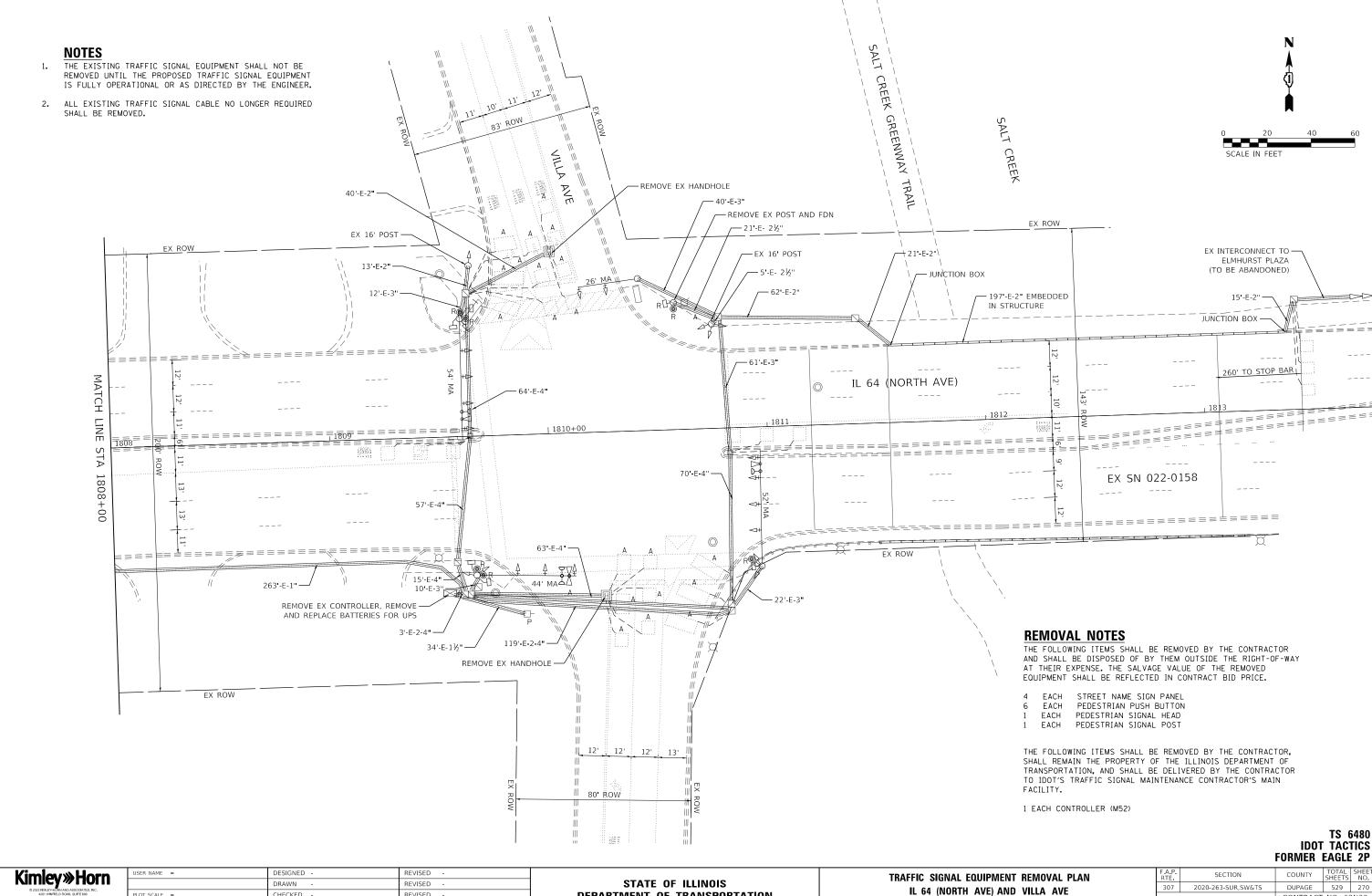
<sup>\* - 100%</sup> COST TO THE VILLAGE OF VILLA PARK

TS 6410 IDOT CENTRACS FORMER ECON 192

CONTRACT NO. 62N33

**Kimley \*\*Horn** 

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PLOT DATE =	DATE -	REVISED -	

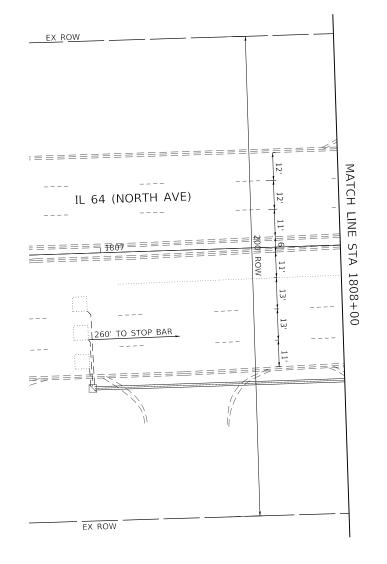


LOT SCALE = HECKED REVISED

**DEPARTMENT OF TRANSPORTATION** 

IL 64 (NORTH AVE) AND VILLA AVE SCALE: 1" = 20' SHEET

CONTRACT NO. 62N33



TS 6480 IDOT TACTICS FORMER EAGLE 2P

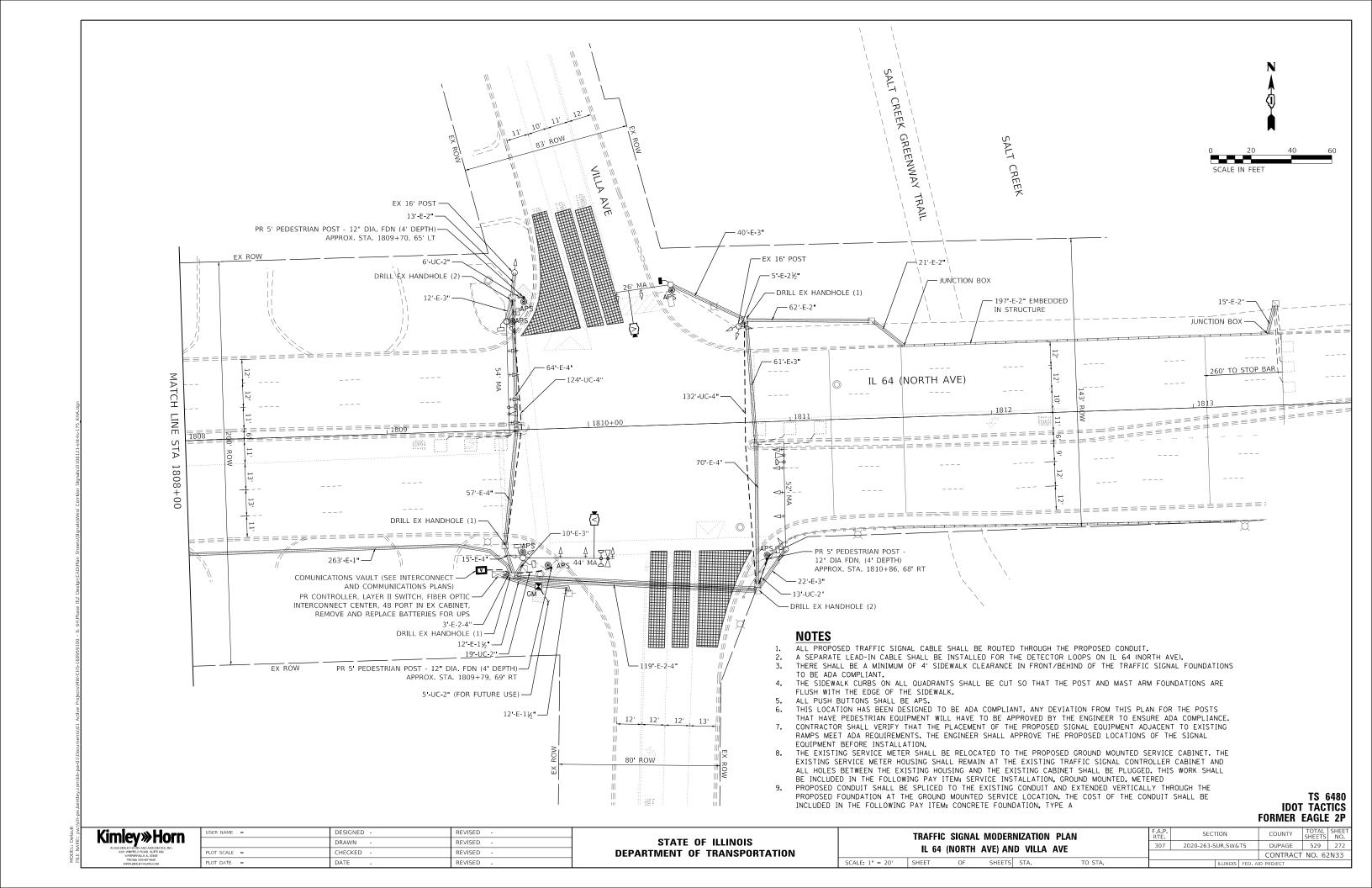
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN						F.A.P. RTE	
IL 64 (NORTH AVE) AND VILLA AVE						307	2020-2
IL 04 (NONTH AVE/ AND VILLA AVE							
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		

F.A.P. RTE	SECT	ΠΟN	COUNTY	TOTAL SHEETS	۱۲	
307	2020-263-S	UR,SW&	DUPAGE	529	2	
·			CONTRACT	NO. 62	2N:	
		ILLINOIS	FED. A	ID PROJECT		



SCALE IN

MATCH LINE STA 1808+00

MATCH

EX ROW \_\_\_\_

EX ROW

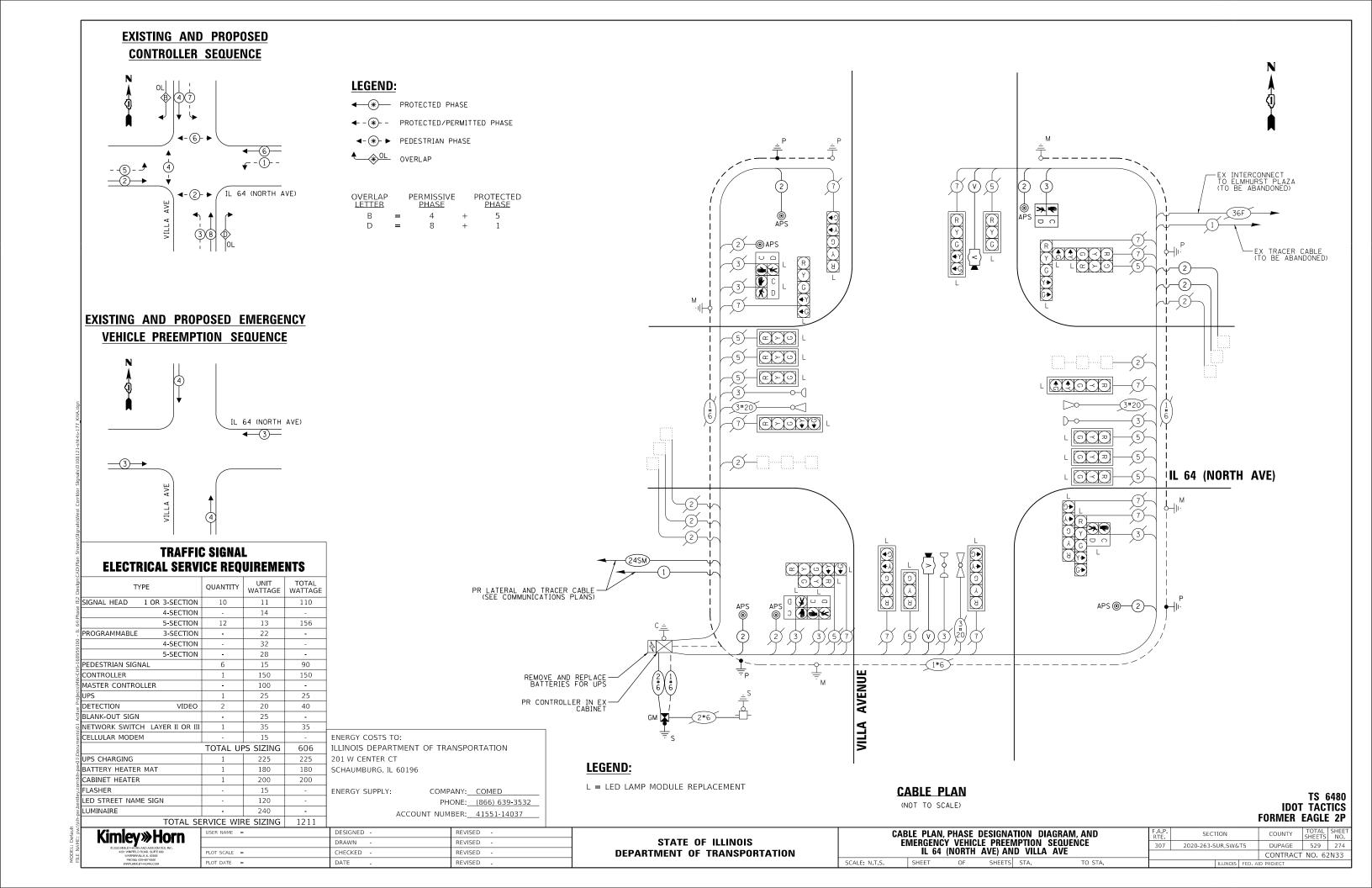
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l	PLOT DATE =	DATE -	REVISED -
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STATE 0	F ILLINOIS
DEPARTMENT OF	TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN					F.A.P. RTE	SEC <sup>-</sup>	
	II 64	(NORTH	ΔVF) ΔΝ	D VIII A	ΔVF	307	2020-263-9
	IL UT	(1401111	AVE/ AIV	D VILLA	AVE		
ALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		

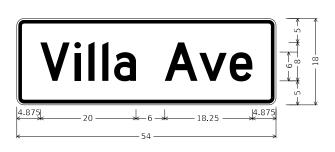


# SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	6.75	1	ZZ	

## **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	13.5
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	43
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	256
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	780
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	359
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1098
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	64
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	363
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2237
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
LED LAMP MODULE REPLACEMENT	EACH	90
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
LED SIGNAL FACE VISOR HEATER	EACH	22
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
LED PEDESTRIAN SIGNAL MODULE REPLACEMENT	EACH	15
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2

TS 6480 IDOT TACTICS FORMER EAGLE 2P

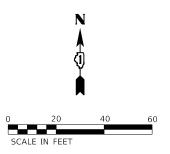
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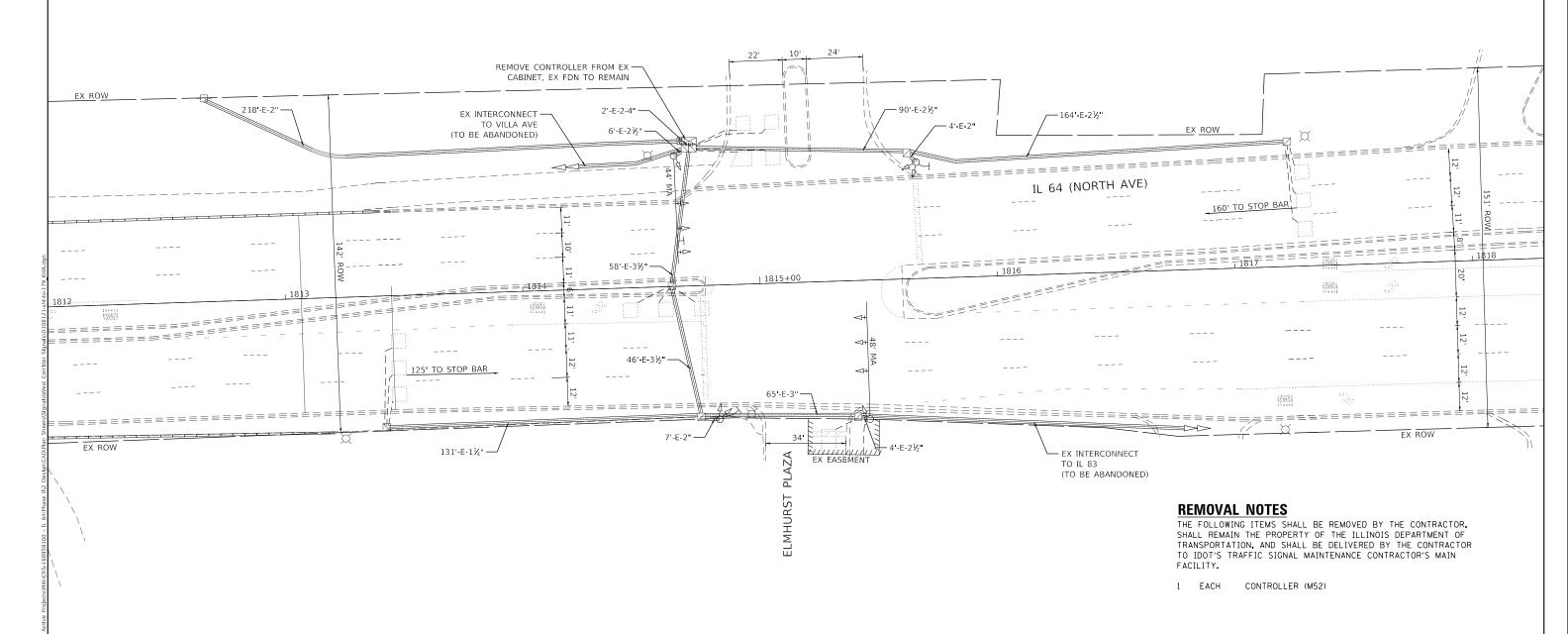
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

SCALE: N.T.S.

#### **NOTES**

- THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
- 2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.





TS 6505 IDOT TACTICS FORMER EAGLE 2P

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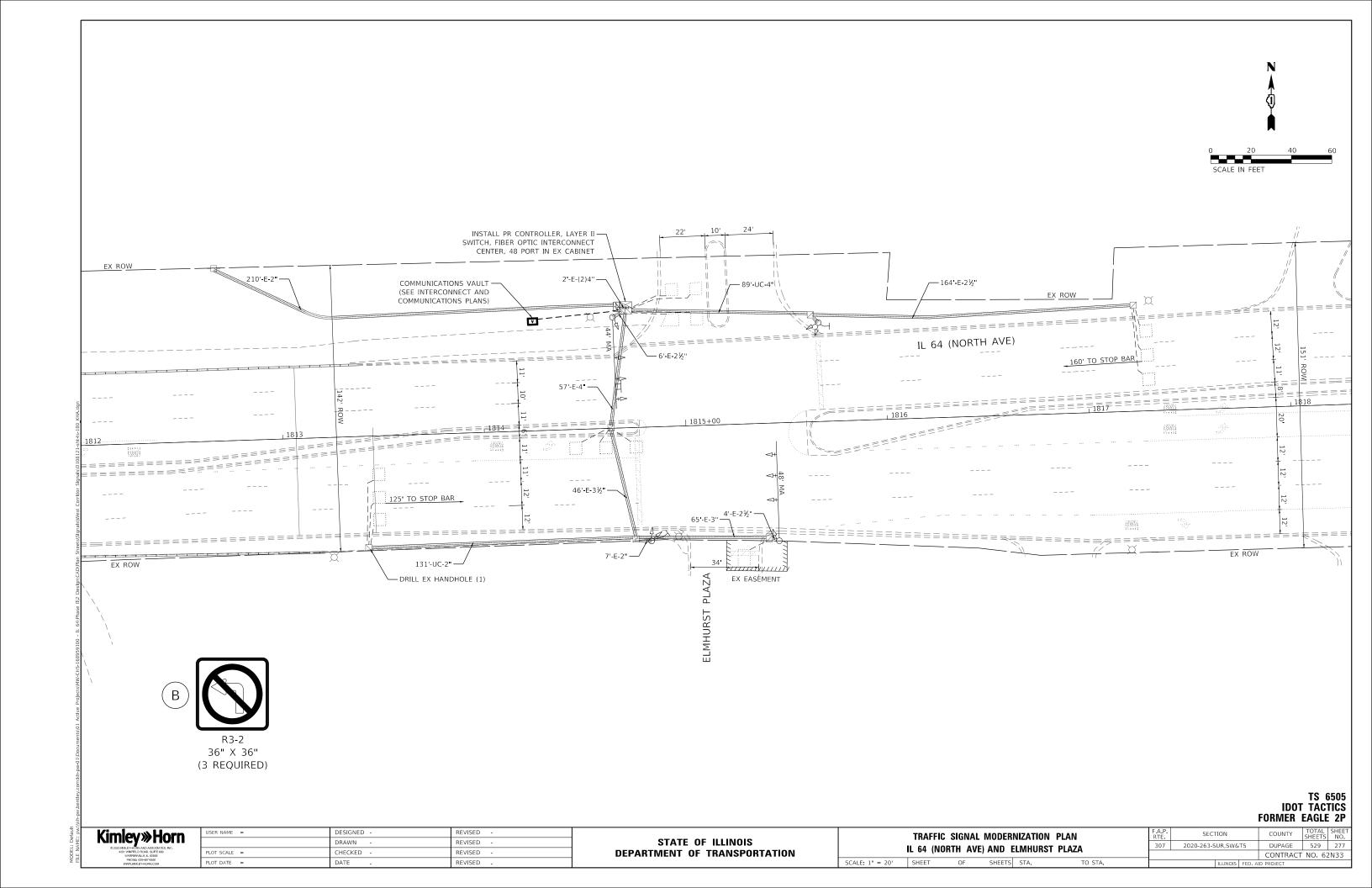
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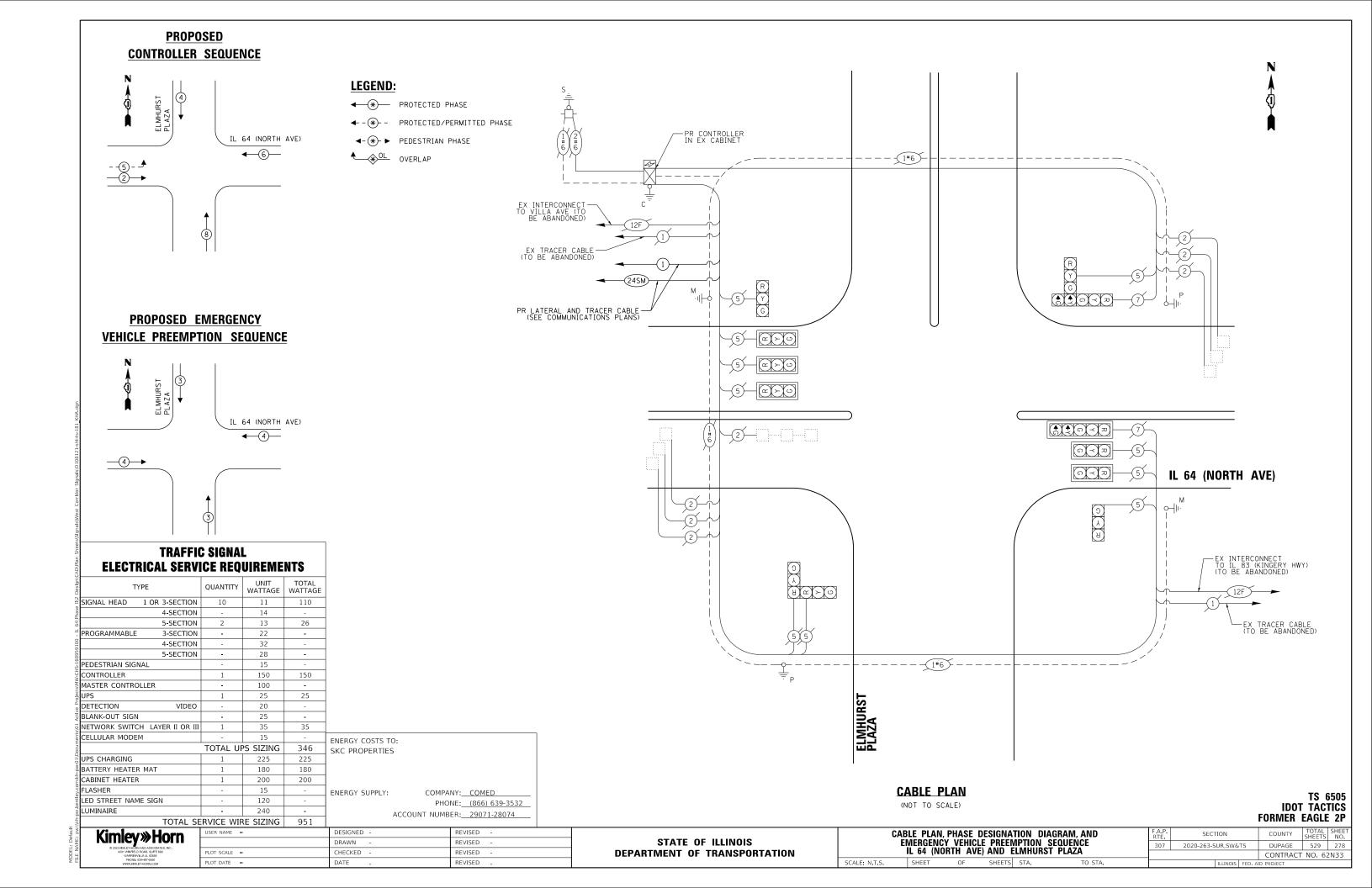
STATE	: OF	: ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN IL 64 (NORTH AVE) AND ELMHURST PLAZA								
СПССТ	OF	CHEETC	CTA	TO STA				

SCALE: 1" = 20'

F.A.P. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
307	2020-263-SUR,SW&TS		DUPAGE	529	276
		CONTRACT	NO. 62	2N33	
	ILLINOIS	FED. A	ID PROJECT		





# SIGN PANEL - TYPE 2 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2

#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

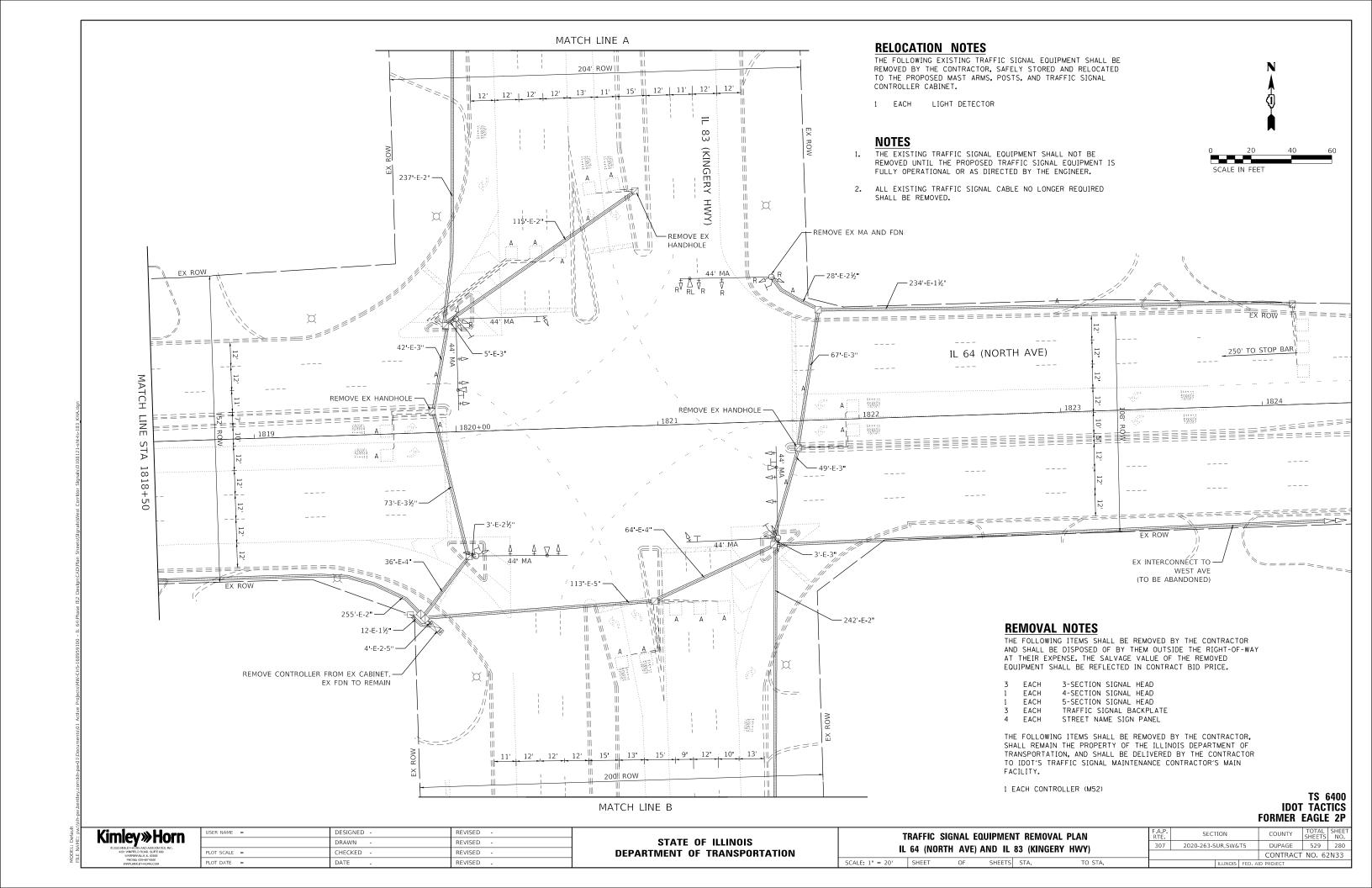
TS 6505 IDOT TACTICS FORMER EAGLE 2P

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PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE =	DATE -	REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

M					SIGNS AND	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	
	SCHEDULE OF QUANTITIES							DUPAGE	529	279
IL 64 (NORTH AVE) AND ELMHURST PLAZA								CONTRAC	T NO. 62	2N33
SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		



.com:kh-pw-41iDocuments|01 Active Projects|MW-CH>-168939100 - IL 64/Phase II(2 Design/CAD/Plan Sheets\Signals\West Corridor Signals\D108121s.

MATCH LINE STA 1818+50

MATCH LINE STA 1818+50

MATCH LINE STA 1818+50

MATCH LINE STA 1818+50

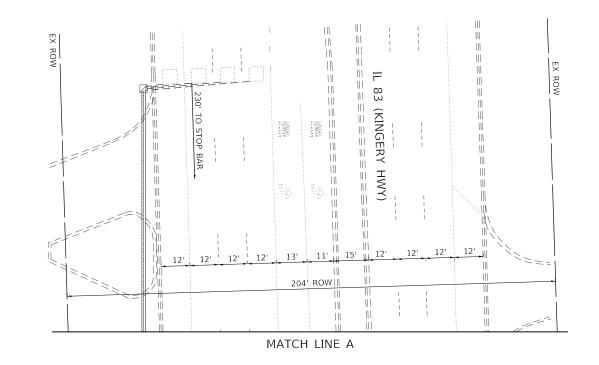
IL 64 (NORTH AVE)

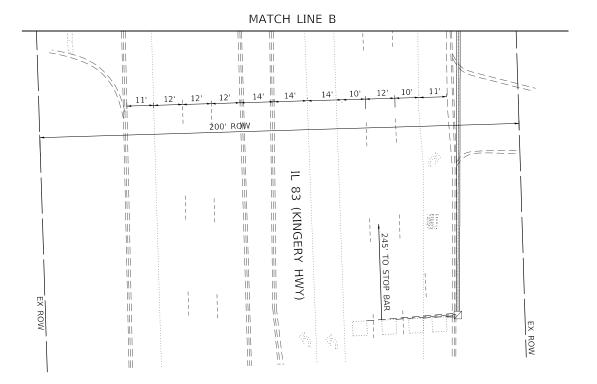
IL 64 (NORTH AVE)

EX ROW

EX INTERCONNECT TO ELMHURST PLAZA (TO BE ABANDONED)

EX ROW





TS 6400 IDOT TACTICS FORMER EAGLE 2P

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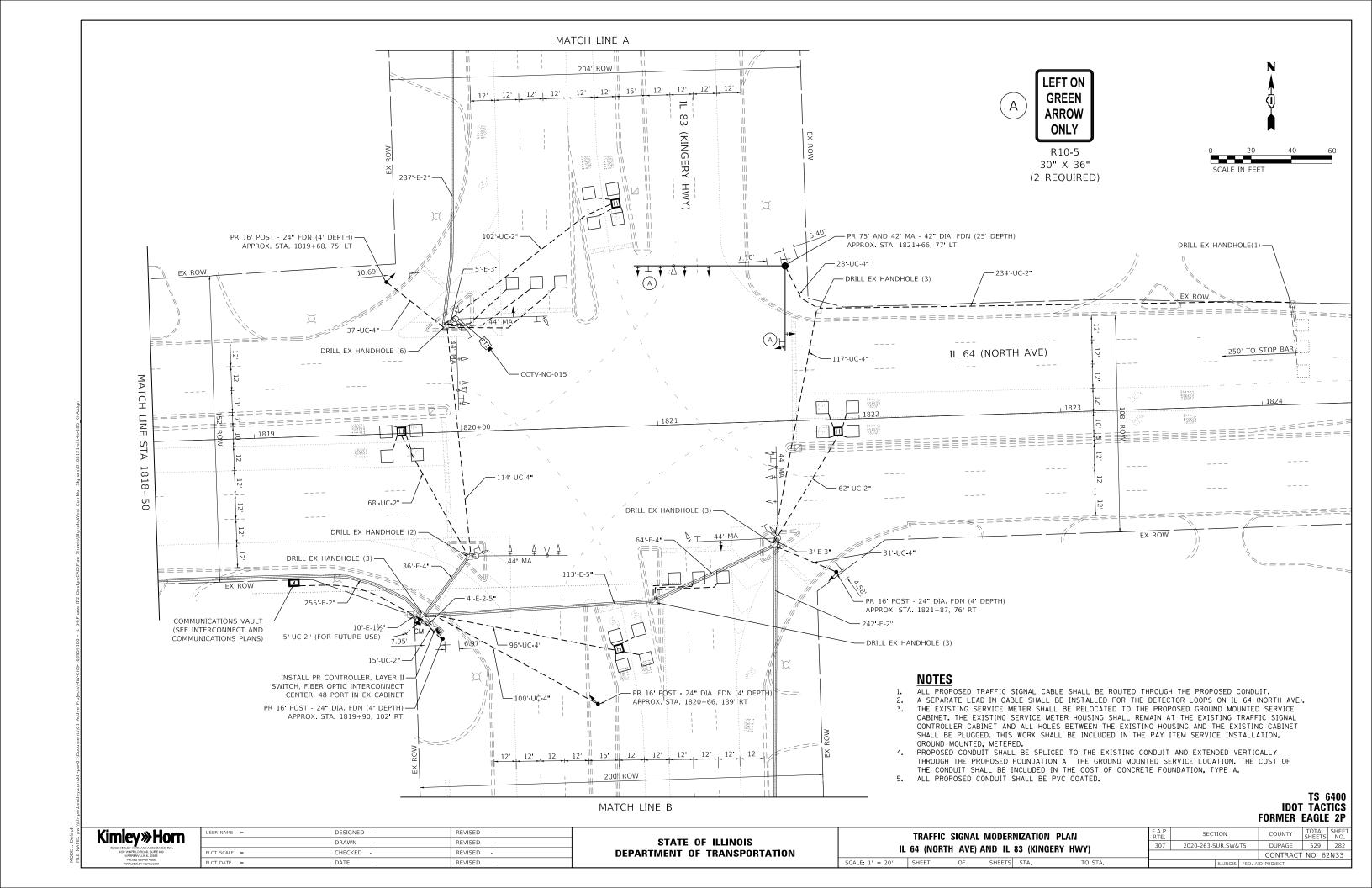
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PLOT DATE =	DATE -	REVISED -

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DEPARTMENT	0F	TRANSPORTATION

TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN								
IL	64 (NORTH	AVE)	AND IL	83 (KINGERY	HWY)			
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.			

				· Oillinell		
F.A.P. RTE	SEC <sup>-</sup>	ΓΙΟΝ	COUNTY	TOTAL SHEETS	SHEE	
307	2020-263-S	ur,sw&	TS	DUPAGE	529	28:
			CONTRAC	T NO. 62	2N33	
		ILLINOIS	ID PROJECT			

SCALE IN FEET



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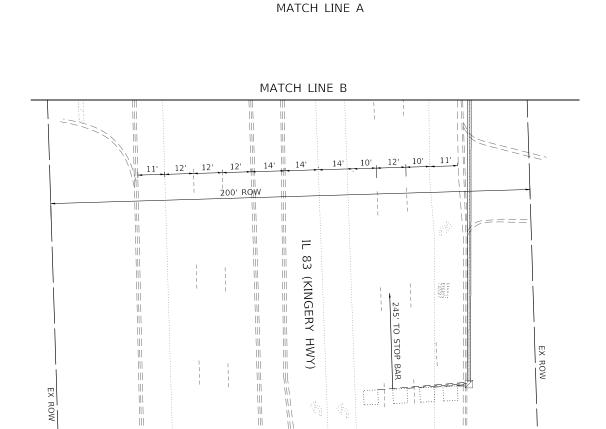
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DT DATE =	DATE -	REVISED -

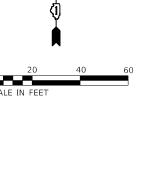
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

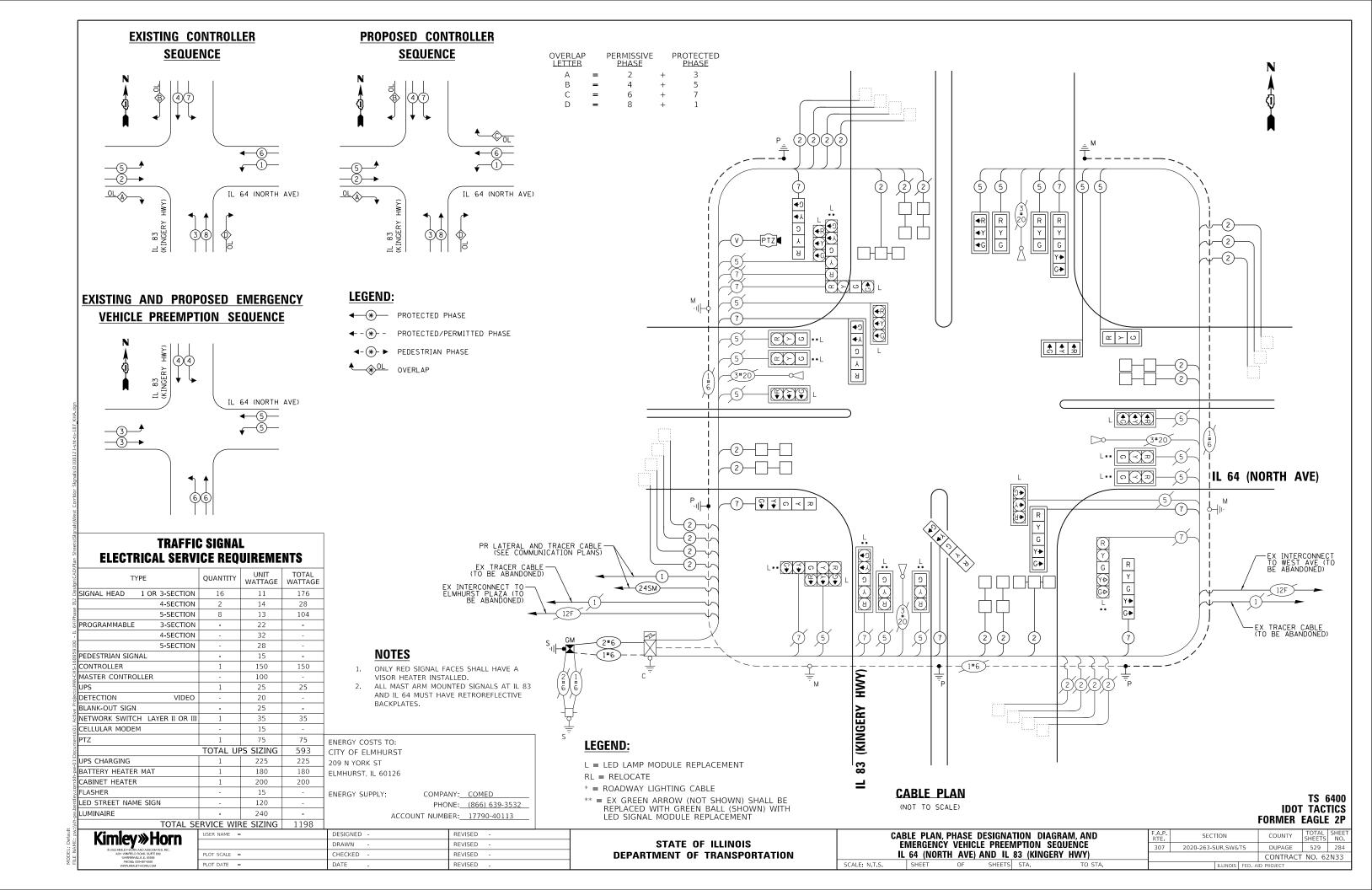
TRAFFIC SIGNAL MODERNIZATION PLAN IL 64 (NORTH AVE) AND IL 83 (KINGERY HWY) SCALE: 1" = 20' SHEET OF SHEETS STA.

TS 6400 IDOT TACTICS FORMER EAGLE 2P SECTION 2020-263-SUR,SW&TS DUPAGE 529 283 CONTRACT NO. 62N33

IL 64 (NORTH AVE) 265' TO STOP BAR EX ROW EX INTERCONNECT TO ELMHURST PLAZA



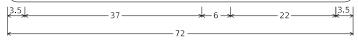






ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED





DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	15	2	ZZ	



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	2

#### SCHEDULE OF QUANTITIES

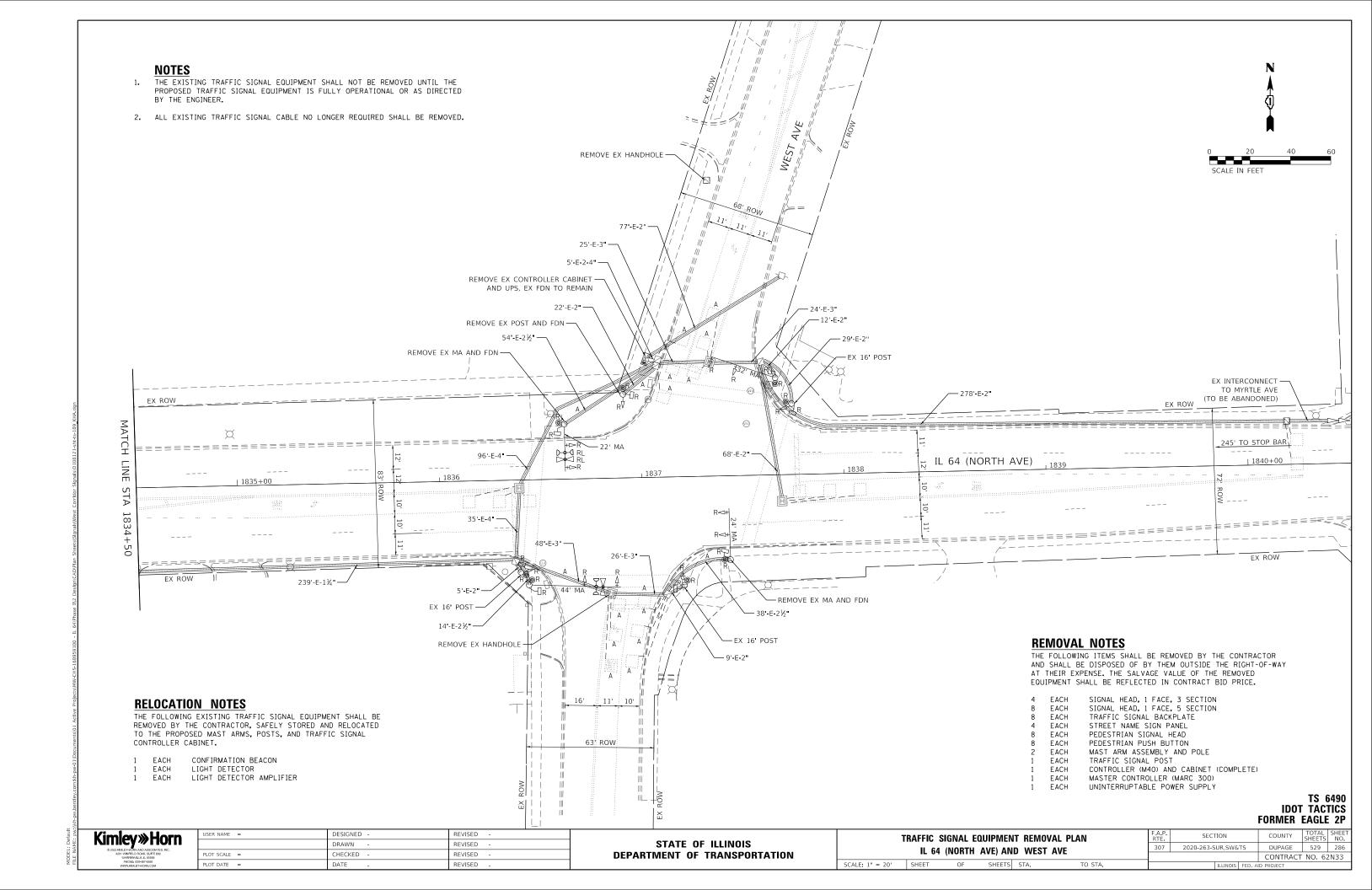
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486 523 1 2264 1835 944 32 1041 4 1 20 25 20 5
523 1 2264 1835 944 32 1041 4 1 20 25 20 5
1 2264 1835 944 32 1041 4 1 20 25 20
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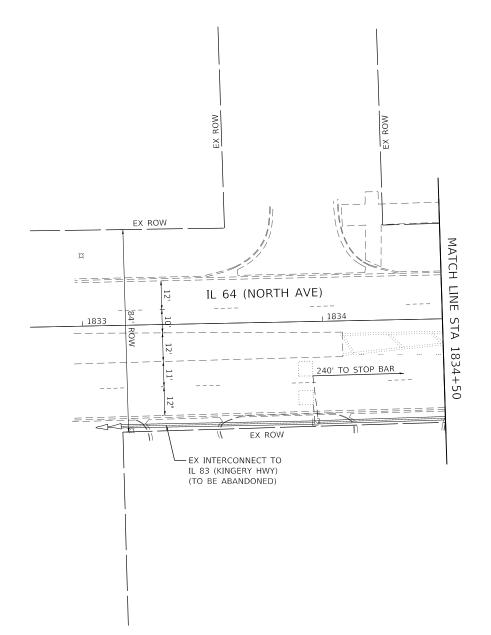
- 100% COST TO THE CITY OF ELMHURST

TS 6400 IDOT TACTICS **FORMER EAGLE 2P** 

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PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

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	DRAWN -	REVISED -	ĺ
PLOT SCALE =	CHECKED -	REVISED -	ĺ
PLOT DATE =	DATE -	REVISED -	





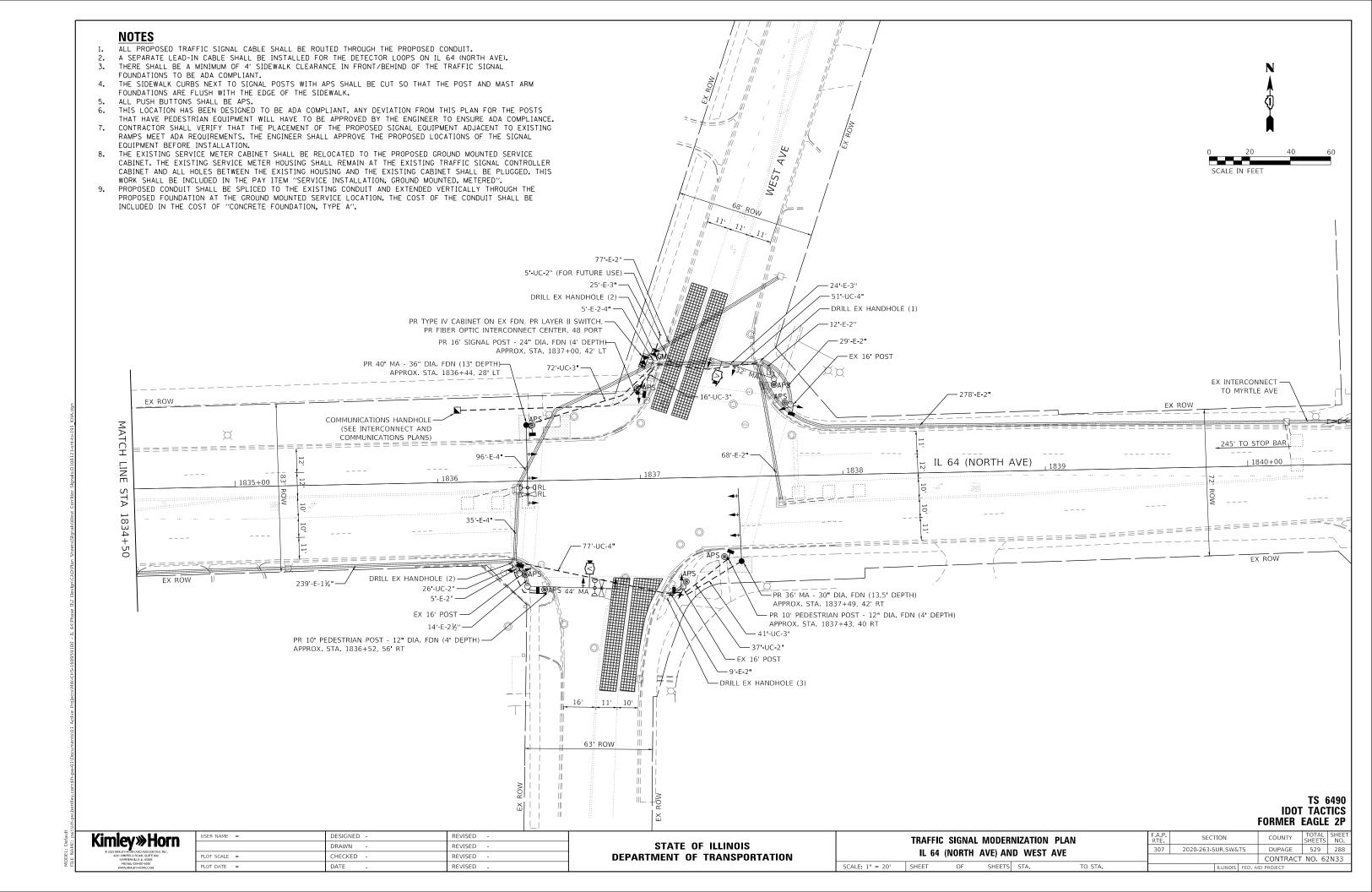
TS 6490 IDOT TACTICS FORMER EAGLE 2P

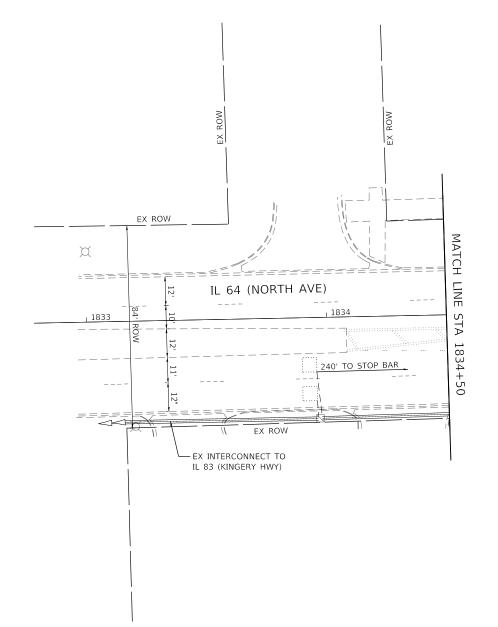
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STATE 0	F ILLINOIS
DEPARTMENT OF	TRANSPORTATION

Т	RAFFIC S	SIGNAL E	QUIPMEN	T REMO	VAL PLAN	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 64 (NORTH AVE) AND WEST AVE			307	2020-263-SUR,SW&TS	DUPAGE	529	287			
IL 07 (NOITH AVE) AND VVEST AVE				CONTRACT	NO. 62	2N33				
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		





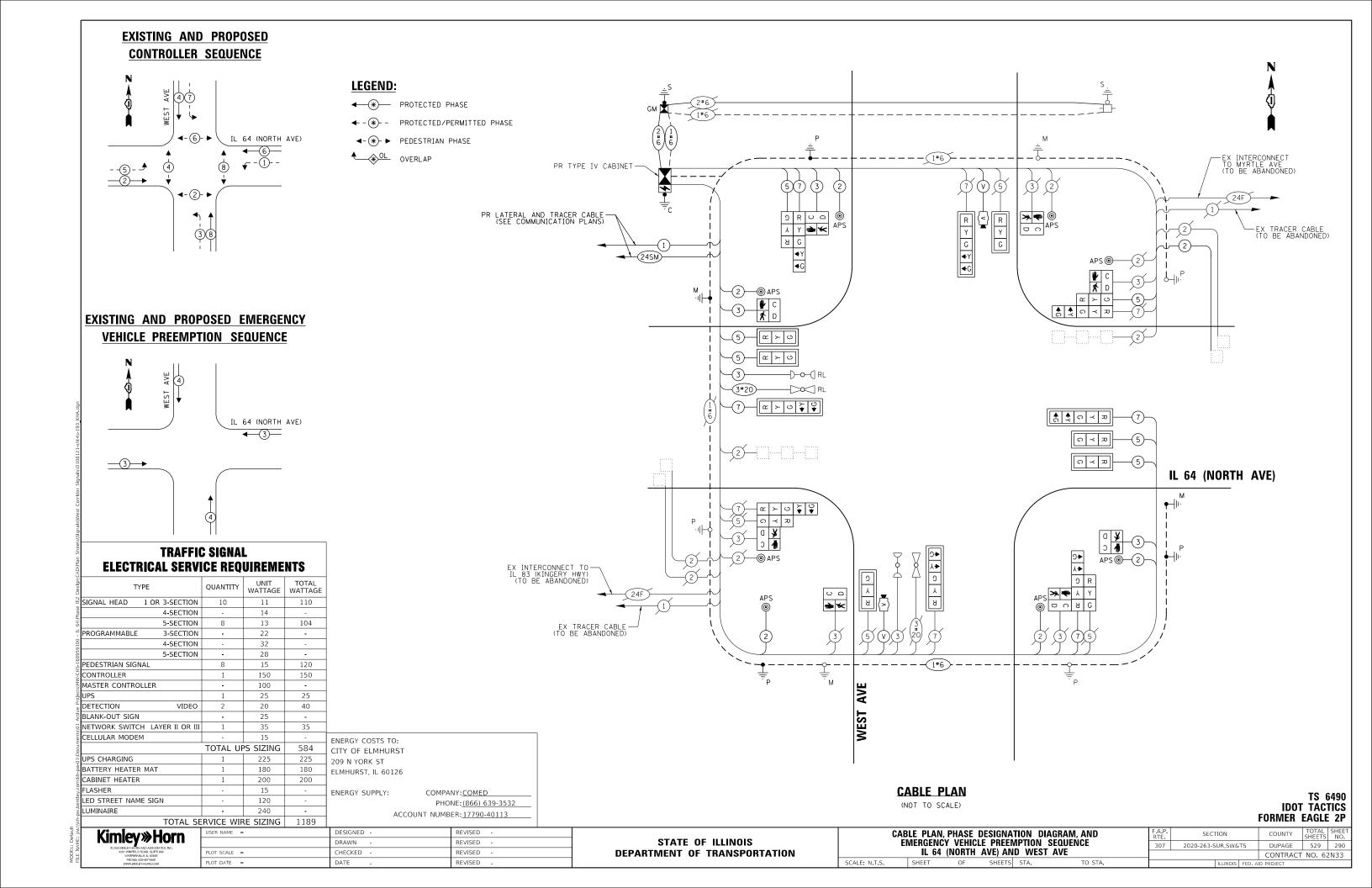
TS 6490
IDOT TACTICS
FORMER EAGLE SP
COUNTY SHEETS NO.

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PLOT DATE =	DATE -	REVISED -

STATI	E <b>O</b> I	F ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

	TRAFFIC	SIGNAL	MODERI	VIZATION	PLAN	F.A.P. RTE	SECT	ПОИ		COUNTY	TOTAL SHEETS	SHEET NO.
	II 64	/NORTH	AVE) AN	n WEST	ΔVF	307	2020-263-S	UR,SW&T	ΓS	DUPAGE	529	289
	IL UT	(14011111	AVE/ AIV	D WEST	AVL					CONTRACT	NO. 62	2N33
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		



## SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	77	2

# SCHEDULE OF QUANTITIES

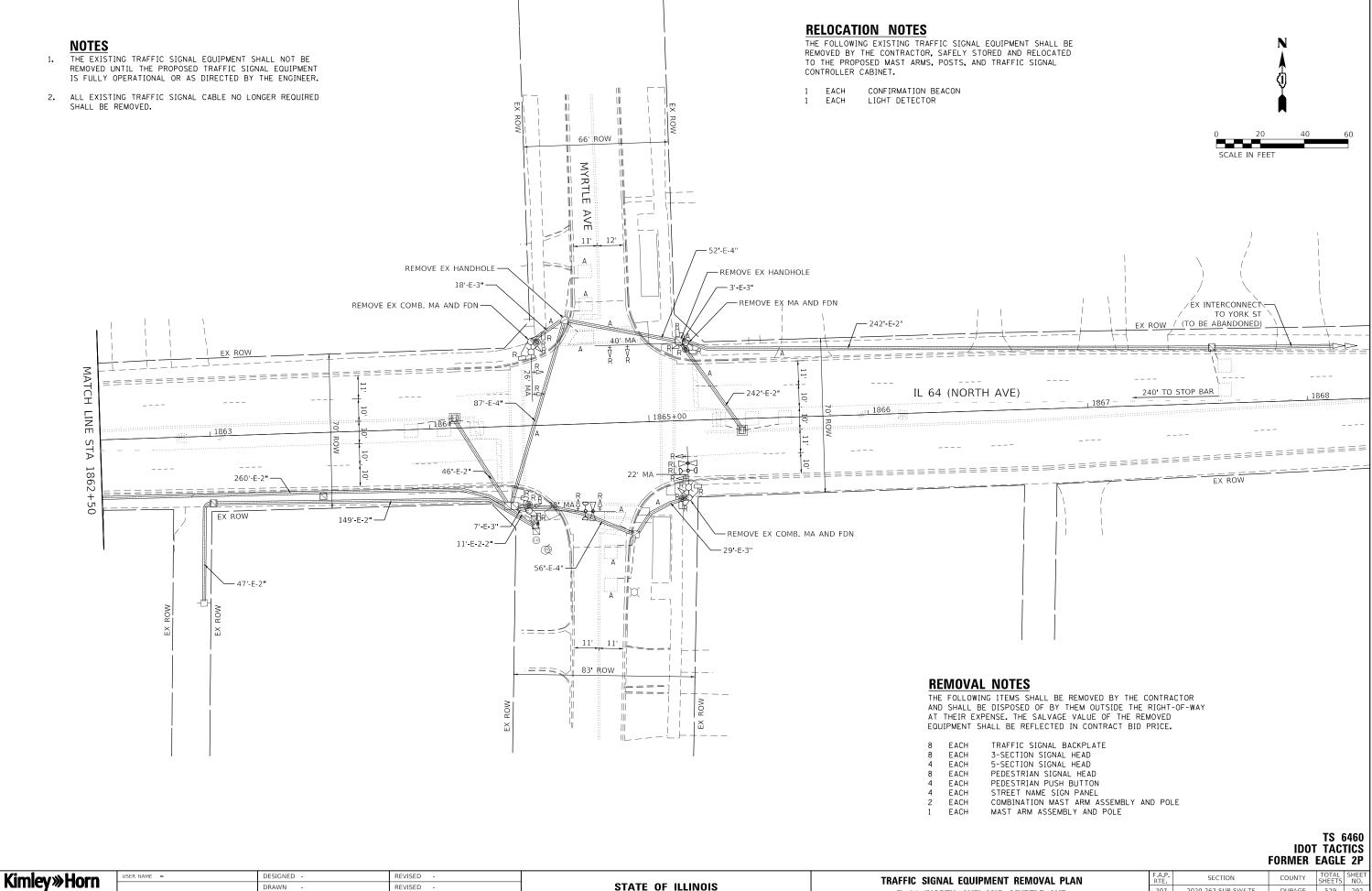
ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	13.5
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	68
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	129
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	128
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	581
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	530
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1225
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	857
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	30
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	346
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1716
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	163
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
LED SIGNAL FACE VISOR HEATER	EACH	18
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2

\* - 100% COST TO THE CITY OF ELMHURST

TS 6490 IDOT TACTICS FORMER EAGLE 2P

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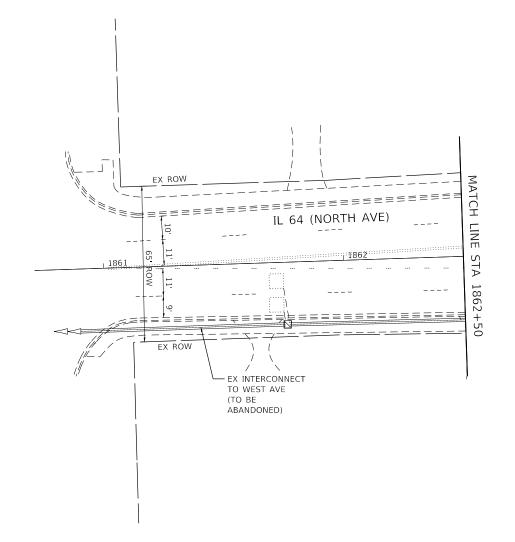
USER NAME =	DESIGNED -	REVISED -	
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PLOT DATE =	DATE -	REVISED -	



FILE NAME: pw://kh-pw.

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| VISER NAME = DESIGNED - REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STATE OF ILLINOIS DEPAR



TS 6460 IDOT TACTICS FORMER EAGLE 2P

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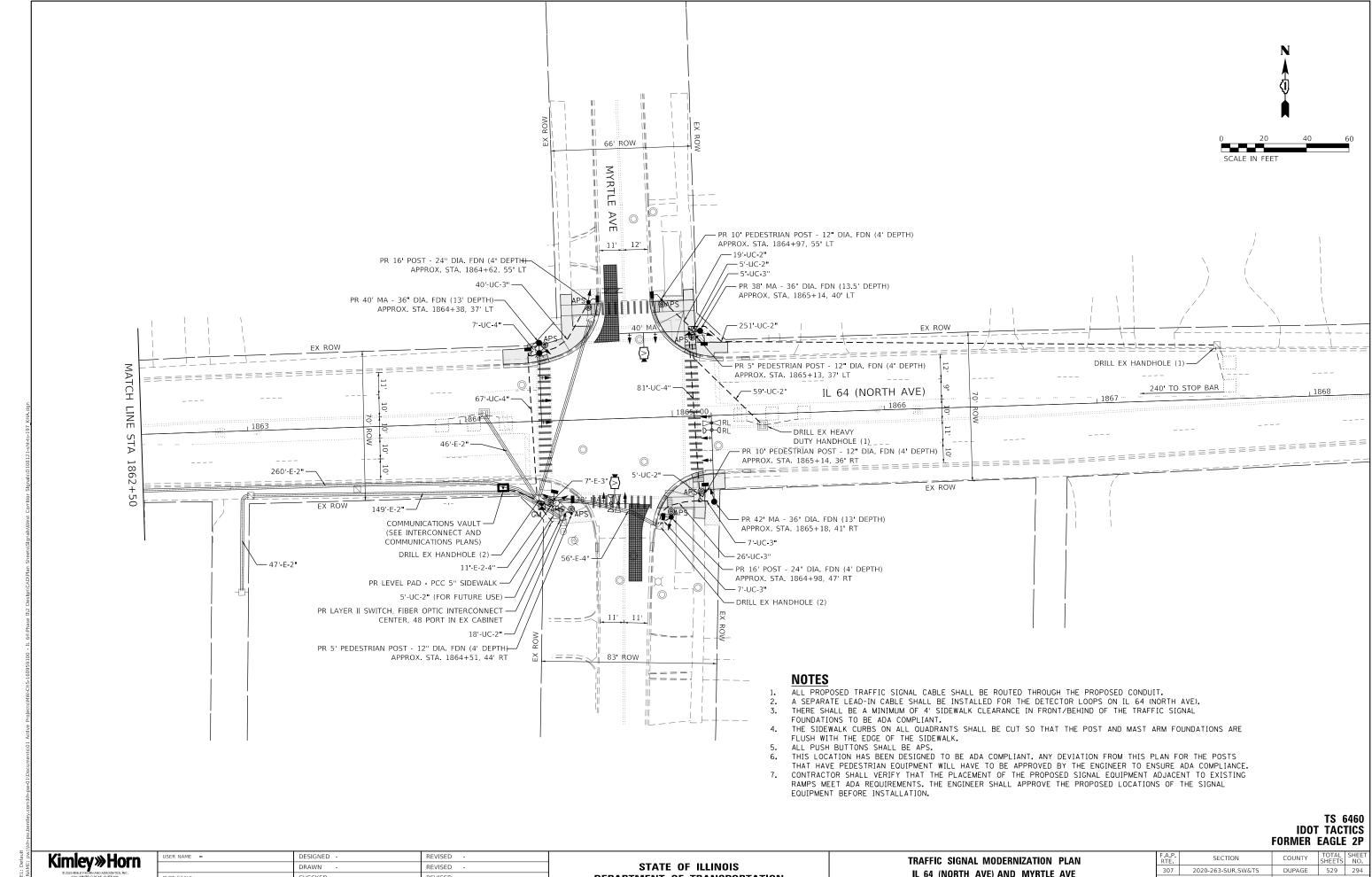
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

STATE 0	F ILLINOIS
DEPARTMENT OF	TRANSPORTATION

T	RAFFIC	SIGNAL	EQUIPMEN	T REMOV	AL PLAN
	IL 64	(NORTH	AVE) AND	MYRTLE	AVE
	SHEET	OF	SHEETS	STA.	TO STA.

SCALE: 1" = 20'

F.A.P. SECTION				COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR,SW&TS			DUPAGE	529	293
		CONTRACT	NO. 62	2N33		
ILLINOIS FED. A				ID PROJECT		



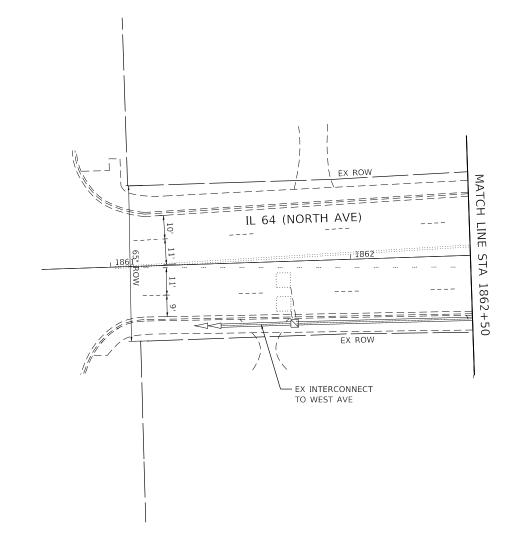
LOT SCALE = HECKED REVISED

**DEPARTMENT OF TRANSPORTATION** 

IL 64 (NORTH AVE) AND MYRTLE AVE SCALE: 1" = 20' SHEET

CONTRACT NO. 62N33

0 20 40 60
SCALE IN FEET



TS 6460
IDOT TACTICS
FORMER EAGLE 2P

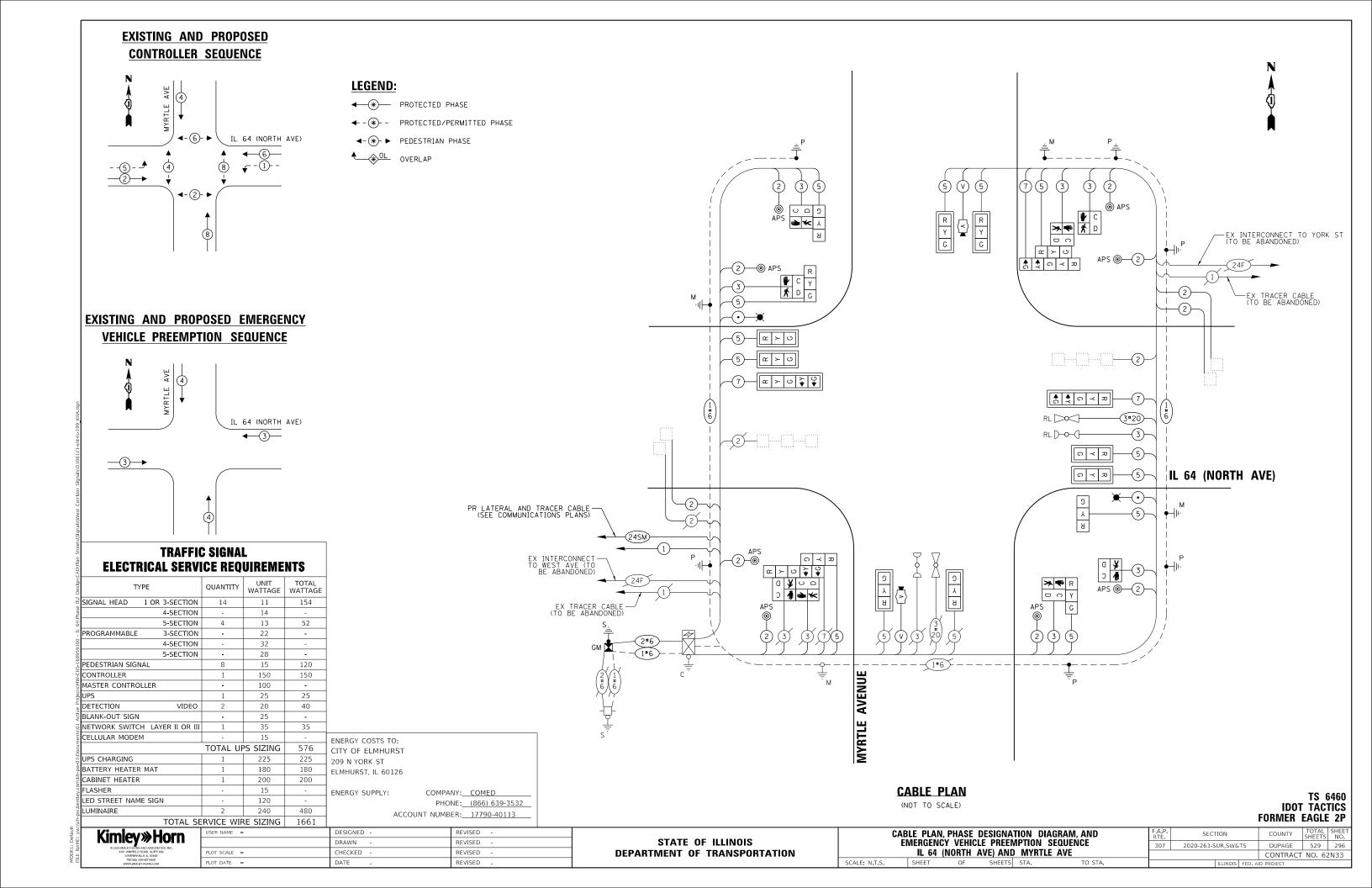
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PLOT DATE =	DATE -	REVISED -

STATI	E OI	F ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

							F.A.P. RTE	SE
	IL 64 (NORTH AVE) AND MYRTLE AVE							2020-263
	· · ·							
_	SCALE: 1" = 20'	SHEET	UF.	SHEETS	STA.	TO STA.		

TE	SECI	ION	COUNTY	SHEE	
307	2020-263-S	UR,SW&	DUPAGE	529	
				CONTRACT	NO.
		ILLINOIS	FED. A	ID PROJECT	



## SIGN PANEL - TYPE 1 OR TYPE 2



DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	12.5	2	ZZ	2

# Myrtle Ave

DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	7.5	1	ZZ	

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	360
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	85
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	155
HANDHOLE	EACH	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1179
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1375
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2358
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	660
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	65
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	37
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	638
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
DRILL EXISTING HANDHOLE	EACH	4
DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	3
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3897
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	201
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
LED SIGNAL FACE VISOR HEATER	EACH	18
TACTICS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT FOOT	8 16

\* - 100% COST TO THE CITY OF ELMHURST

TS 6460 IDOT TACTICS **FORMER EAGLE 2P** 

CONTRACT NO. 62N33

Vissler w Henry
Kimiev»Horn
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4201 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-487-6550

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PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE =	DATE -	REVISED -	
			_

GLENDALE SQUARE ACCESS COUNTY FARM RD KUHN RD GARY AVE SCHMALE RD PRESIDENT ST GLEN ELLYN RD SWIFT RD I-355 WEST RAMPS BENNETT DR BLOOMINGDALE RD I-355 EAST RAMPS CAB-NO-010A IL 64 (NORTH AVE) CAB-NO-007 CAB-NO-008 WINDSOR PARK DR MENARDS ENTR MAIN ST ST. CHARLES RD IL 53 (ROHLWING RD) LOMBARD RD MAIN ST GRACE ST WESTWOOD AVE WESTMORE AVE ADDISON RD MICHIGAN AVE ARDMORE AVE VILLA AVE MATCH LINE IL 64 (NORTH AVE) TO SHOPPES OF ELMHURST LINCOLN AVE **Kimley%Horn** DESIGNED -REVISED SECTION STATE OF ILLINOIS TEMPORARY INTERCONNECT SCHEMATIC DRAWN REVISED 2020-263-SUR,SW&TS DUPAGE 529 **298** PLOT SCALE = CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 62N33

SCALE: N.T.S.

SHEET 1 OF 1 SHEETS STA.

TO STA.

PLOT DATE =

DATE

REVISED

# TRAFFIC SIGNAL LEGEND

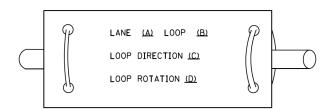
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ITEM	EXISTING	PROPOSED	<u>ITEM</u>		<u>EXISTING</u>	PROPOSED	ITEM	<u>existing</u>	<u>PROPOSED</u>
CONTROLLER CABINET		$\blacksquare$	HANDHOLE -SQUARE				SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R	RR
COMMUNICATION CABINET	ECC	СС	-ROUND	101.5					Y Y G G G +Y +Y +G G +G
MASTER CONTROLLER	EMC	MC	HEAVY DUTY HANDI -SQUARE -ROUND	IOLE	$\mathbb{H}$	<b>H B</b>			<b>4</b> G <b>4</b> G
MASTER MASTER CONTROLLER	EMMC	ммс	DOUBLE HANDHOLE				CICNAL HEAD WITH BACKPLATE		
JNINTERRUPTABLE POWER SUPPLY	4	<b>7</b>	JUNCTION BOX			0	SIGNAL HEAD WITH BACKPLATE  -(P) PROGRAMMABLE SIGNAL HEAD  -(RB) RETROREFLECTIVE BACKPLATE		R R Y
SERVICE INSTALLATION -(P) POLE MOUNTED	- <u>-</u> -P	- <del></del> P	RAILROAD CANTILEN	ER MAST ARM	X <del>OX</del> X	X <del>eX X</del> X			Y         G           G         G           GY         G           G         G
SERVICE INSTALLATION			RAILROAD FLASHING	S SIGNAL	<del>∑⊙</del> ∑	X⊕X		P RB	P RB
-(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	$\boxtimes^{G} \boxtimes^{GM}$	$\blacksquare$ $\square$ $\square$ $\square$ $\square$	RAILROAD CROSSIN	G GATE	<del>∑⊙∑</del> >	X•X-	PEDESTRIAN SIGNAL HEAD		•
TELEPHONE CONNECTION	ET	Т	RAILROAD CROSSBL	ICK	否	*	AT RAILROAD INTERSECTIONS	<b>()</b>	Ā
STEEL MAST ARM ASSEMBLY AND POLE	<u> </u>	•——	RAILROAD CONTROL	LER CABINET		▶ €	PEDESTRIAN SIGNAL HEAD	C S	<b>♥</b> C
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CON GALVANIZED STEEL	NDUIT (UC),			WITH COUNTDOWN TIMER		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	0->	•*	TEMPORARY SPAN V TETHER WIRE, AND				ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY	0	● • BM	SYSTEM ITEM		S	SP IP	NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED		
WOOD POLE	$\otimes$	Θ	INTERSECTION ITEM		I	IP B	GROUND CABLE IN CONDUIT,	1#6	1#6
GUY WIRE	>-	>-	RELOCATE ITEM			RL	NO. 6 SOLID COPPER (GREEN)	1#6	<del></del>
SIGNAL HEAD	>	-	ABANDON ITEM			A	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
SIGNAL HEAD WITH BACKPLATE	+1>	+-	CONTROLLER CABIN	ET AND		D.C.F.	COAXIAL CABLE	<u> </u>	<u> </u>
SIGNAL HEAD OPTICALLY PROGRAMMED	> P P P	- <b>▶</b> P + <b>▶</b> P	FOUNDATION TO BE	REMOVED		RCF			_
FLASHER INSTALLATION	of of FS	•► FS	MAST ARM POLE AN FOUNDATION TO BE			RMF	VENDOR CABLE		
(FS) SOLAR POWERED	□+> <sup>F</sup> □+> <sup>FS</sup>	<b>■→</b> <sup>F</sup> ■→ <sup>FS</sup>	SIGNAL POST AND FOUNDATION TO BE	REMOVED		RPF	COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	<del></del>	<del>(6#18)</del>
PEDESTRIAN SIGNAL HEAD	-0	-1	DETECTOR LOOP, T				FIBER OPTIC CABLE -NO. 62.5/125, MM12F		—(12F)—
PEDESTRIAN PUSH BUTTON (APS) ACCESSIBLE PEDESTRIAN PUSH BUTTO	N ® ® APS		PREFORMED DETECT	TOR LOOP	PP	PP	-NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		24F
RADAR DETECTION SENSOR	R	R	SAMPLING (SYSTEM)	DETECTOR	5 (5)	5 (5)			—(36F)—
VIDEO DETECTION CAMERA	[V]	V	INTERSECTION AND (SYSTEM) DETECTOR		IS (IS)	IS (IS)			
RADAR/VIDEO DETECTION ZONE			QUEUE AND SAMPLI (SYSTEM) DETECTOR		QS (QS)	QS QS	GROUND ROD -(C) CONTROLLER -(M) MAST ARM	<u>_C _M _P _S</u> T T T	$\stackrel{\cdot}{\uparrow}^{C} \stackrel{\cdot}{\uparrow}^{M} \stackrel{\cdot}{\uparrow}^{P} \stackrel{\cdot}{\uparrow}^{S}$
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ	WIRELESS DETECTO		<u> </u>	<b>©</b>	-(P) POST -(S) SERVICE		
MERGENCY VEHICLE LIGHT DETECTOR	$\bowtie$	<b>←</b>	WIRELESS ACCESS F	POINT					
CONFIMATION BEACON	<b>○</b> —(]	<b>⊷</b>							
NIRELESS INTERCONNECT	o <del>∗1  </del>	•··  <del>  </del>							
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR							
Kimley»Horn  OBJERNATION OF STREET RO.  PLOT SCALE = 50.0	DRAWN -	IP REVISED	-		OF ILLINOIS OF TRANSPORTATION	STA	DISTRICT ONE NDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. SECTIC RTE. 307 2020-264-SUR. TS-05	SILLIS
WARRENVILLE, IL 000505 PHONE: 930-167-5550 WWW.MILEY-HORN.COM PLOT DATE = 3/4/2		9/29/2016 REVISED		SEI AIITIVILIVI	o	SCALE: NONE S	HEET 1 OF 7 SHEETS STA. TO STA.		LINOIS FED. AID PROJECT

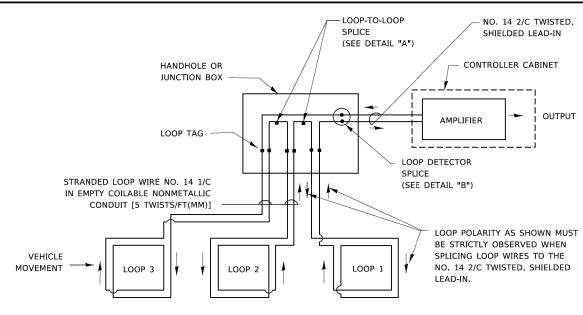
#### LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- 2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

#### **LOOP LEAD-IN CABLE TAG**

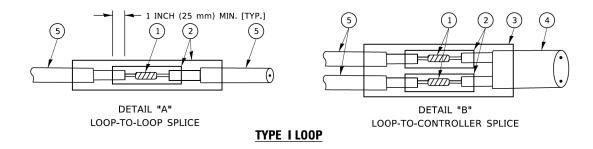


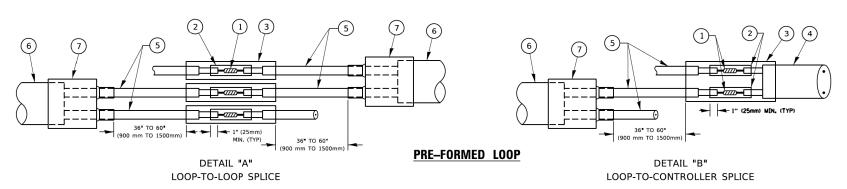
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



#### **DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
   SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.





#### LOOP DETECTOR SPLICE

- 1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.

- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
  PRE-FORMED LOOP
- (6) XL POLYOLEFIN 2 CONDUCTOR
- (7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

Kimley» Horn

1 2023 HALEY-105N AND ASSOCIATES, INC.
WHORENYLL IL GOSS

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE					
	STANDARD	TRAFFIC	SIGNA	L DESIGN	DETAILS
SCALE: NONE	SHEET 2	OF 7	SHEETS	STA.	TO STA.

 
 FA.P. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS NO.
 STOTAL SINCE NO.
 STOTAL NO.
 ST