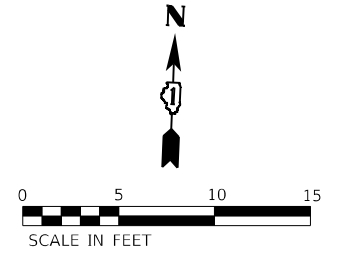


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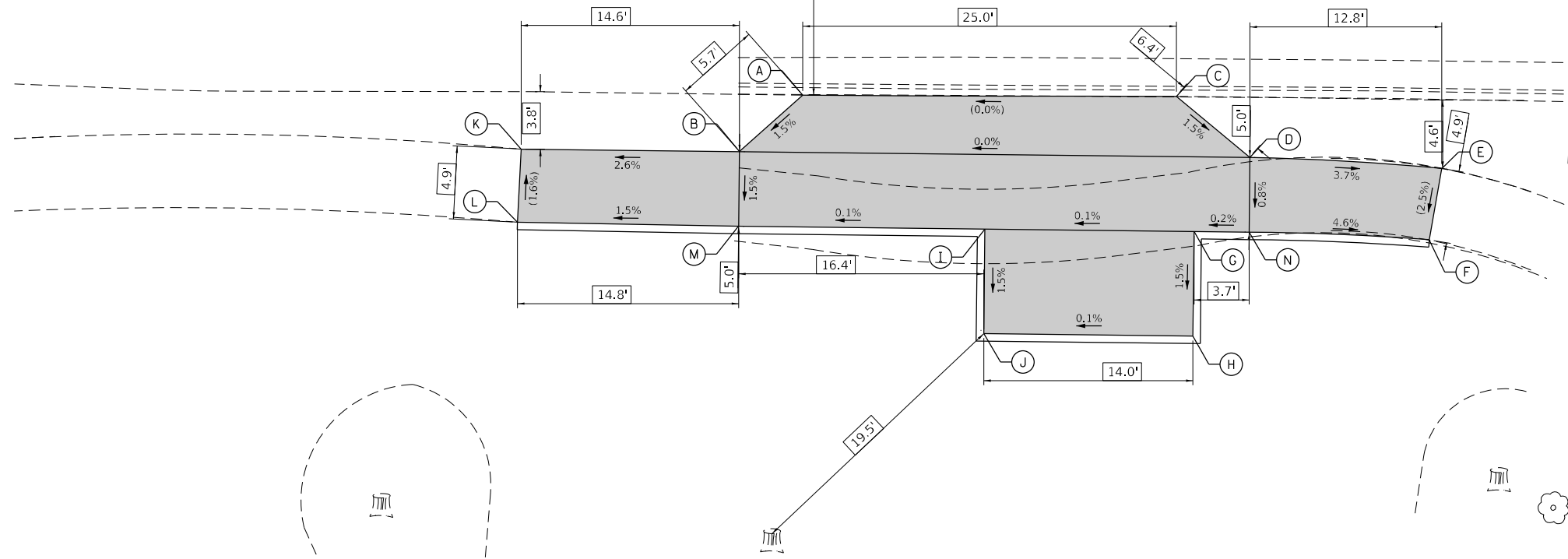
1. CONTRACTOR SHALL NOTIFY THE ILLINOIS CONVENIENCE AND SAFETY CORPORATION (ICSC) AT LEAST SEVEN (7) DAYS IN ADVANCE OF THE REMOVAL OF THE BUS STOP SHELTER OR CLOSURE OF THE BUS STOP.
2. CONTRACTOR SHALL COORDINATE WITH PACE REGARDING RELOCATION OF BUS STOP SIGN.
3. BUS STOP SIGN SHALL BE INSTALLED ON THE FAR SIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.



POINT	EX. ELEV.	PR. ELEV.
A	(657.38)	(657.38)
B	(657.60)	657.47
C	(657.37)	(657.37)
D	(657.96)	657.46
E	(657.94)	(657.94)
F	(658.06)	(658.06)
G	(658.02)	657.51
H	(658.90)	657.61
I	(658.10)	657.52
J	(659.00)	657.63
K	(657.84)	(657.84)
L	(657.76)	(657.76)
M	(658.00)	657.54
N	(658.04)	657.50

SEGMENT	LENGTH (FT)	SLOPE (%)
A-C	(25.00)	(0.04%)
B-A	5.67	1.50%
D-C	5.67	1.50%
B-D	34.16	0.03%
E-D	12.90	3.72%
F-E	(4.85)	(2.47%)
F-N	12.07	4.64%
N-D	5.00	0.80%
G-N	4.80	0.21%
H-G	7.00	1.50%
K-B	14.60	2.57%
L-M	14.82	1.48%
K-L	(4.89)	(1.64%)
M-B	5.00	1.50%
M-I	16.48	0.12%
I-G	14.00	0.07%
J-I	7.00	1.50%
J-H	14.00	0.14%

IL 64 (NORTH AVENUE)



LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- XX.XX' REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

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PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND RAILROAD AVENUE - SE CORNER

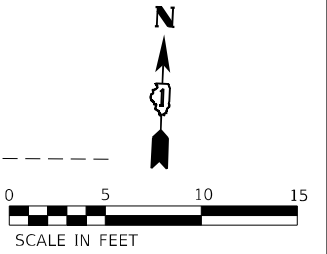
SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	101
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

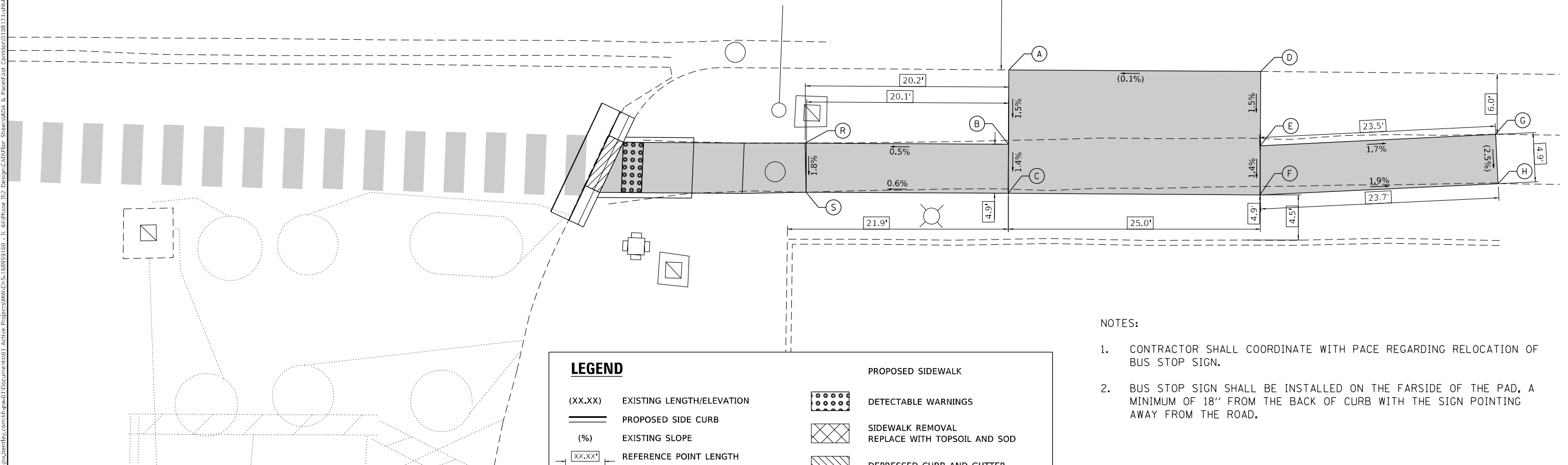
HILLSIDE AVENUE

POINT	EX. ELEV.	PR. ELEV.
A	(654.64)	(654.64)
B	(655.20)	654.75
C	(655.30)	654.82
D	(654.61)	(654.61)
E	(655.15)	654.72
F	(655.30)	654.79
G	(655.12)	(655.12)
H	(655.24)	(655.24)
R	(654.86)	(654.86)
S	(654.95)	(654.95)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-D	(25.00)	(0.12%)
B-A	7.38	1.50%
C-B	4.88	1.43%
E-D	7.38	1.49%
F-E	4.88	1.43%
G-E	23.41	1.71%
H-F	23.41	1.92%
II-G	(4.91)	(2.54%)
R-B	20.19	0.54%
S-C	20.19	0.64%
S-R	5.00	1.80%



IL 64 (NORTH AVENUE)



NOTES:

- CONTRACTOR SHALL COORDINATE WITH PACE REGARDING RELOCATION OF BUS STOP SIGN.
- BUS STOP SIGN SHALL BE INSTALLED ON THE FAR SIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.

LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌──XX.XX'──┐ REFERENCE POINT LENGTH

PROPOSED SIDEWALK

- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND HILLSIDE AVENUE - SE CORNER

SCALE: 1"=5'

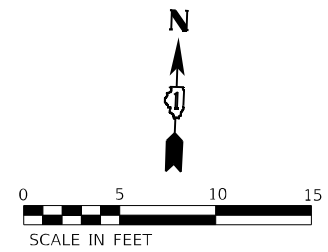
SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	102
CONTRACT NO. 62N40				

ILLINOIS FED. AID PROJECT

POINT	EX. ELEV.	PR. ELEV.
A	(647.39)	(647.39)
B	(647.32)	(647.32)
C	(647.30)	647.27
D	(647.16)	647.18
E	(647.20)	647.09
F	(647.04)	(647.04)
G	(647.07)	(647.07)
H	(647.07)	647.12
I	(647.14)	647.22
J	(647.20)	647.33

SEGMENT	LENGTH (FT)	SLOPE (%)
A-C	(5.00)	(1.50%)
B-C	4.96	0.92%
C-D	9.47	0.92%
D-E	10.00	0.92%
F-E	5.12	0.92%
G-F	(5.00)	(0.53%)
H-G	6.04	0.86%
I-H	11.17	0.86%
J-I	12.47	0.86%
A-J	7.93	0.82%
J-C	5.83	0.95%
I-D	5.00	0.70%
H-E	5.14	0.61%

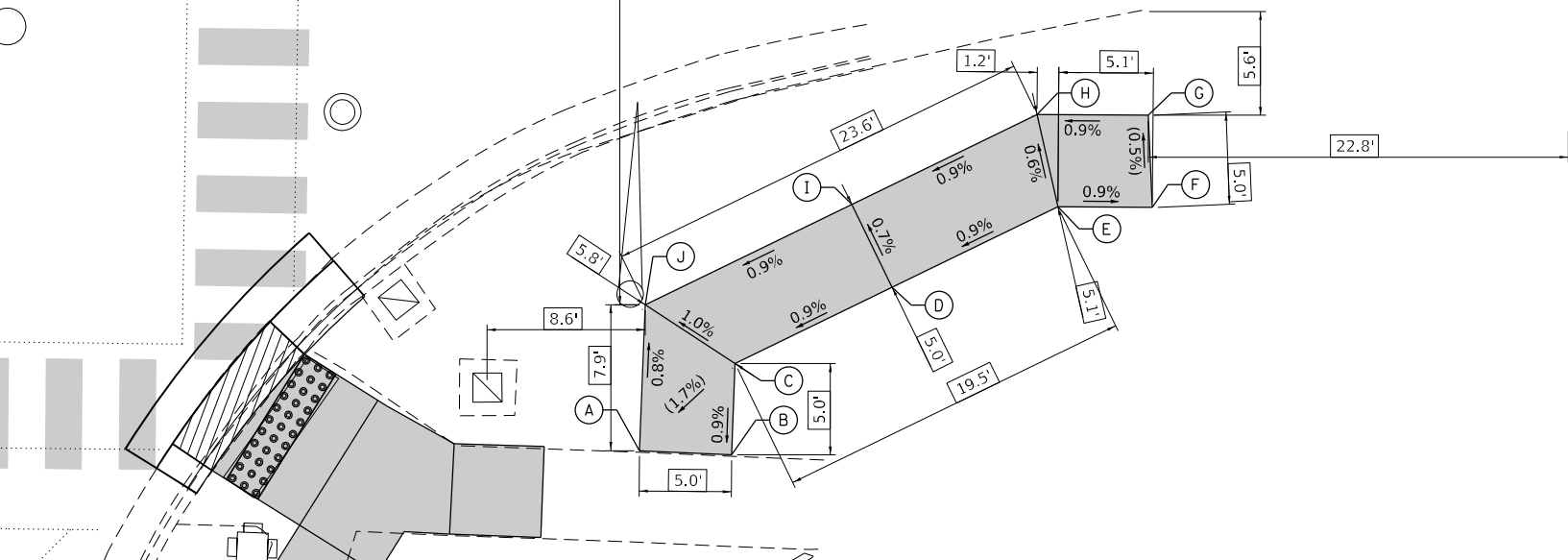


IL 64 (NORTH AVENUE)

NOTES:

- BUS STOP SIGN SHALL BE INSTALLED ON THE FARSIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.

WOLF ROAD



LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- XX.XX' REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

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PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND WOLF ROAD - SE CORNER

SCALE: 1"=5'

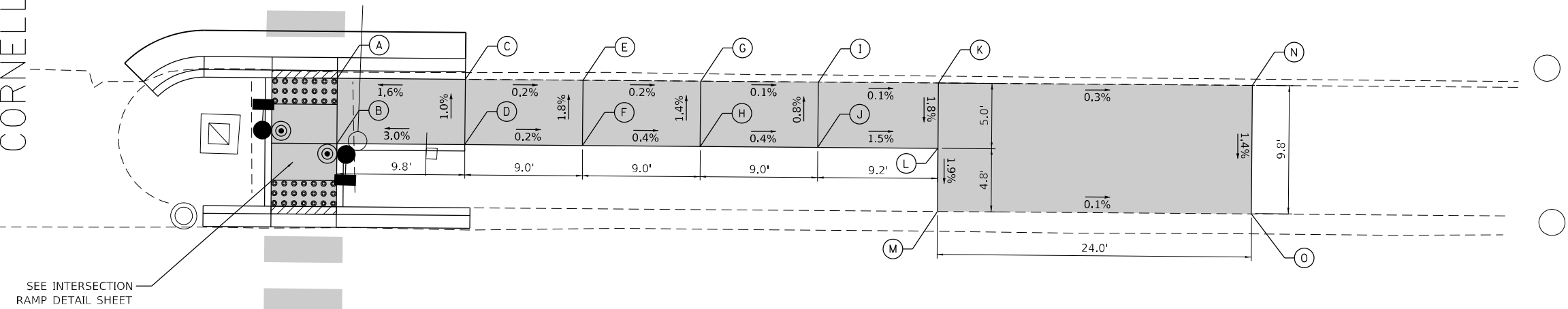
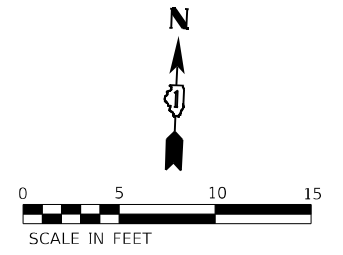
SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	103
CONTRACT NO. 62N40				

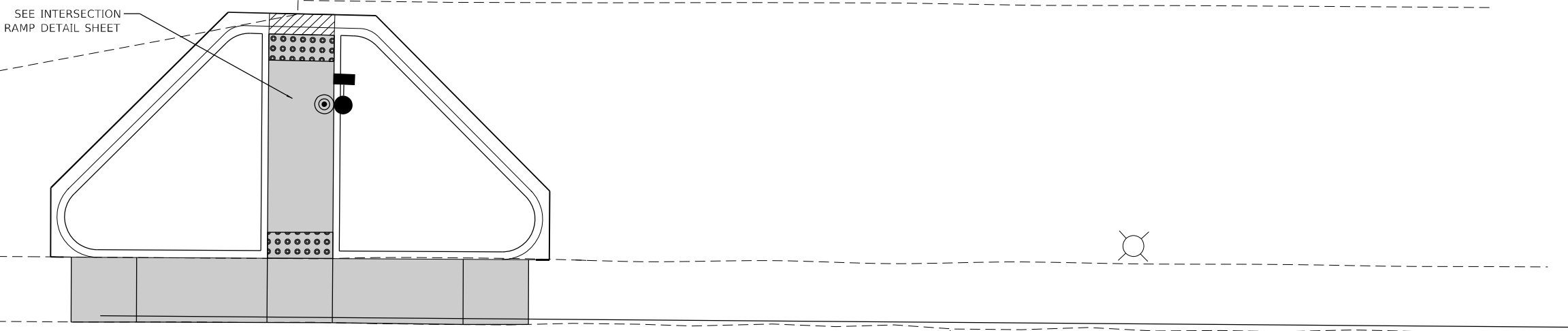
ILLINOIS FED. AID PROJECT

CORNELL AVENUE

IL 64 (NORTH AVENUE)



CORNELL AVE - SE CORNER			
	STATION	OFFSET	ELEVATION
A	276+69.22	48.15 R	637.53
B	276+69.22	53.16 R	637.49
C	276+79.02	48.15 R	637.69
D	276+79.02	53.15 R	637.78
E	276+88.02	48.15 R	637.67
F	276+88.02	53.15 R	637.76
G	276+97.02	48.15 R	637.65
H	276+97.02	53.15 R	637.72
I	277+06.02	48.15 R	637.64
J	277+06.02	53.15 R	637.68
K	277+15.21	48.15 R	637.63
L	277+15.15	53.15 R	637.54
M	277+15.21	57.98 R	637.45
N	277+39.23	48.15 R	637.56
O	277+39.23	57.98 R	637.42



NOTES:

- CONTRACTOR SHALL COORDINATE WITH PACE REGARDING RELOCATION OF BUS STOP SIGN.
- BUS STOP SIGN SHALL BE INSTALLED ON THE FAR SIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.

LEGEND

(XX.XX)	EXISTING LENGTH/ELEVATION		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	REFERENCE POINT LENGTH		DEPRESSED CURB AND GUTTER

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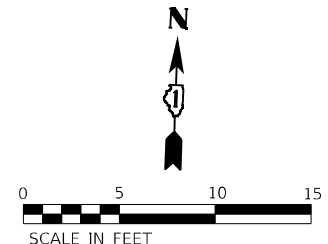


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	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND CORNELL AVENUE - SE CORNER
 SCALE: 1"=5'
 SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	105
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				



HAWTHORNE AVENUE

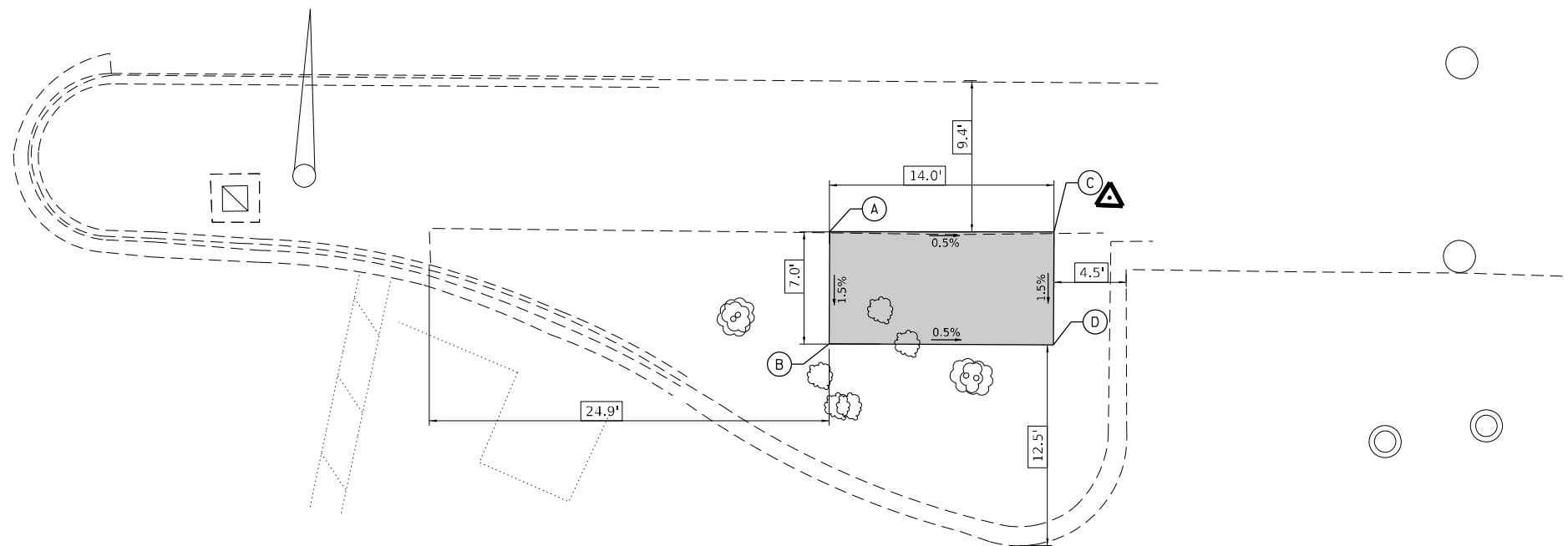
IL 64 (NORTH AVENUE)

POINT	EX. ELEV.	PR. ELEV.
A	(636.02)	(636.02)
B	(636.10)	636.13
C	(636.09)	(636.09)
D	(636.90)	636.2

SEGMENT	LENGTH (FT)	SLOPE (%)
C-A	14.00	0.50%
B-A	7.00	1.50%
C-D	7.00	1.50%
D-B	14.00	0.50%

NOTES:

1. CONTRACTOR SHALL NOTIFY THE ILLINOIS CONVENIENCE AND SAFETY CORPORATION (ICSC) AT LEAST SEVEN (7) DAYS IN ADVANCE OF THE REMOVAL OF THE BUS STOP SHELTER OR CLOSURE OF THE BUS STOP.
2. CONTRACTOR SHALL COORDINATE WITH PACE REGARDING RELOCATION OF BUS STOP SIGN.
3. BUS STOP SIGN SHALL BE INSTALLED ON THE FAR SIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.



LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- XX.XX' REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

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	DRAWN - JJT	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

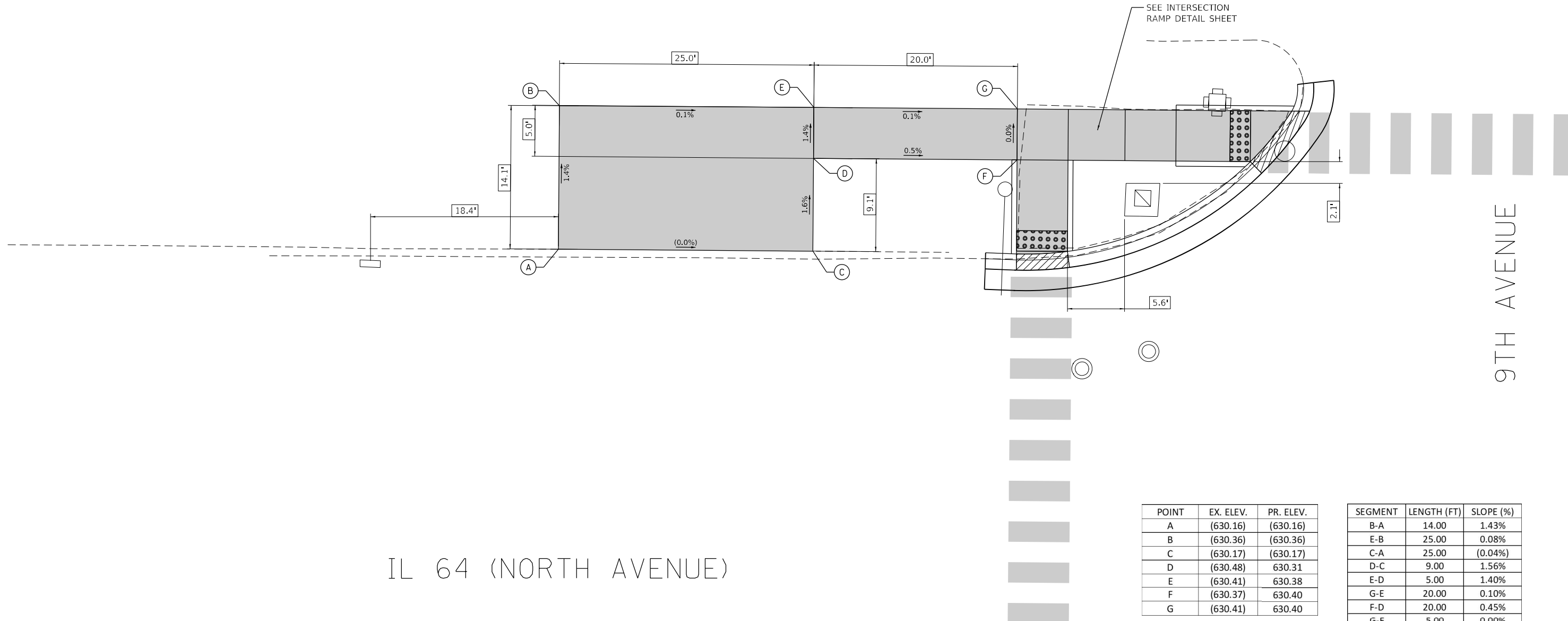
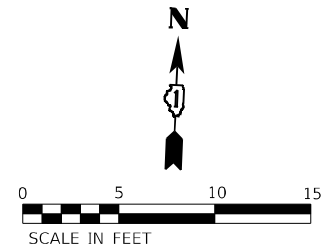
BUS STOP DETAILS
IL 64 AND HAWTHORNE AVENUE - SE CORNER

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	106
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

NOTES:

1. CONTRACTOR SHALL COORDINATE WITH PACE REGARDING RELOCATION OF BUS STOP SIGN AND SHELTER.
2. BUS STOP SIGN SHALL BE INSTALLED ON THE FARSIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.



IL 64 (NORTH AVENUE)

9TH AVENUE

POINT	EX. ELEV.	PR. ELEV.
A	(630.16)	(630.16)
B	(630.36)	(630.36)
C	(630.17)	(630.17)
D	(630.48)	630.31
E	(630.41)	630.38
F	(630.37)	630.40
G	(630.41)	630.40

SEGMENT	LENGTH (FT)	SLOPE (%)
B-A	14.00	1.43%
E-B	25.00	0.08%
C-A	25.00	(0.04%)
D-C	9.00	1.56%
E-D	5.00	1.40%
G-E	20.00	0.10%
F-D	20.00	0.45%
G-F	5.00	0.00%

LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- XX.XX' REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND 9TH AVENUE - NW CORNER

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 2020-264-SUR, SW&TS	COUNTY COOK	TOTAL SHEETS 492	SHEET NO. 107
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N40	

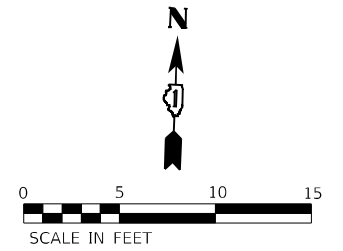
NOTES:

- CONTRACTOR SHALL COORDINATE WITH PACE REGARDING RELOCATION OF BUS STOP SIGN AND SHELTER.
- BUS STOP SIGN SHALL BE INSTALLED ON THE FAR SIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.

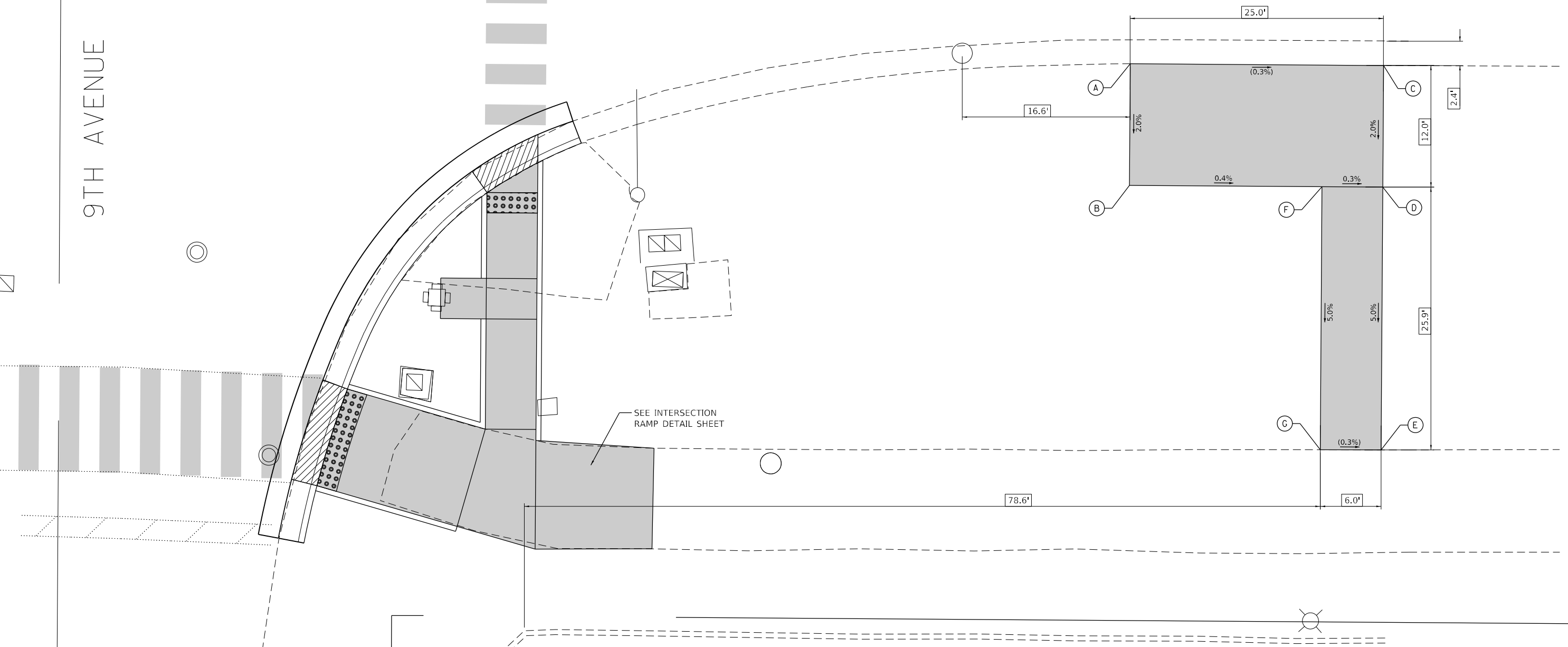
POINT	EX. ELEV.	PR. ELEV.
A	(630.42)	(630.42)
B	(631.00)	630.66
C	(630.50)	(630.50)
D	(631.02)	630.74
E	(632.03)	(632.03)
F	(630.97)	630.72
G	(632.01)	(632.01)

SEGMENT	LENGTH (FT)	SLOPE (%)
C-A	25.00	(0.32%)
B-A	12.00	2.00%
D-C	12.00	2.00%
F-B	19.00	0.42%
D-F	6.00	0.33%
E-D	25.91	4.98%
E-G	6.00	(0.33%)
G-F	25.91	4.98%

IL 64 (NORTH AVENUE)



9TH AVENUE



LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- XX.XX' REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER

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PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND 9TH AVENUE - SE CORNER

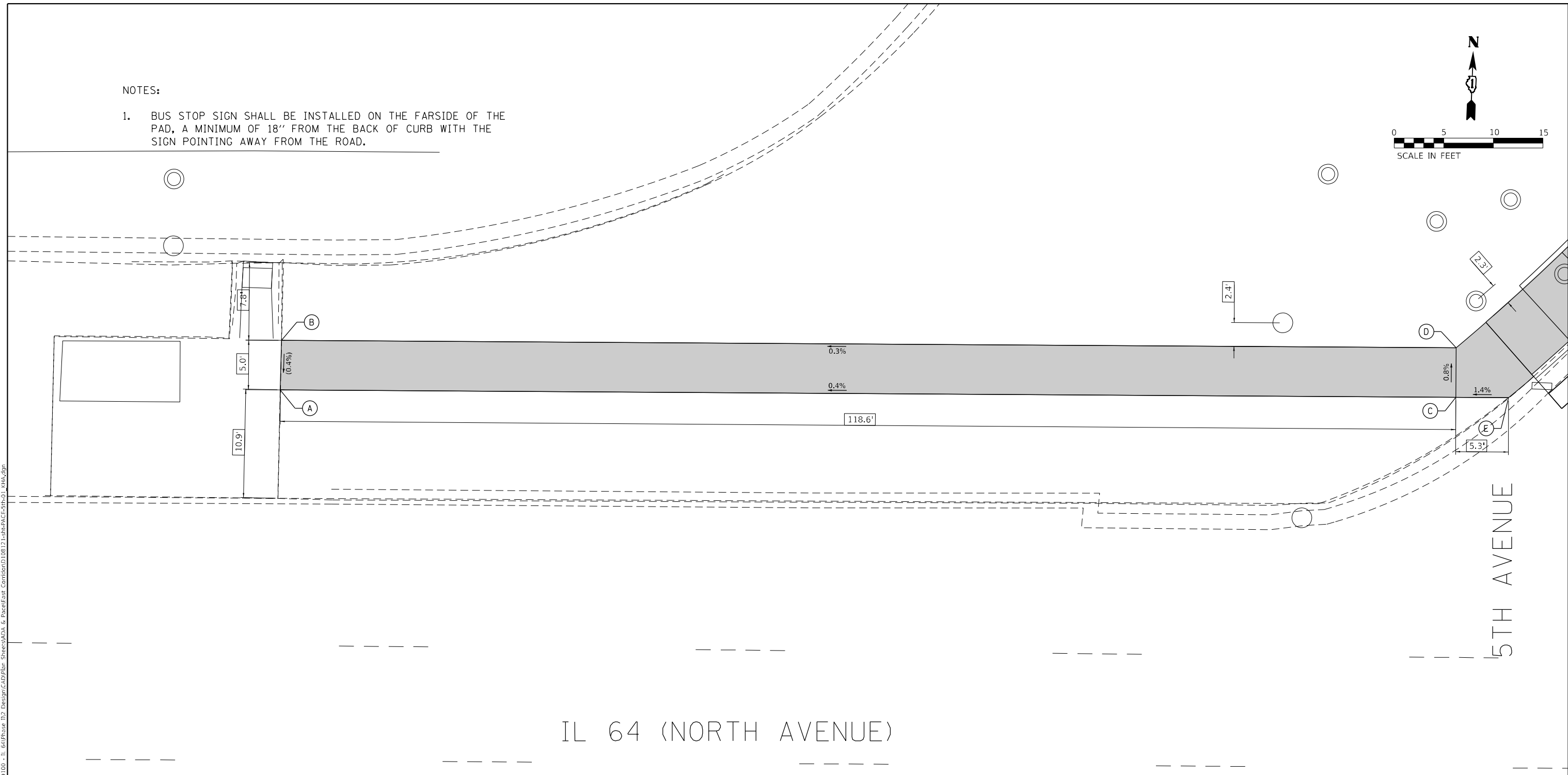
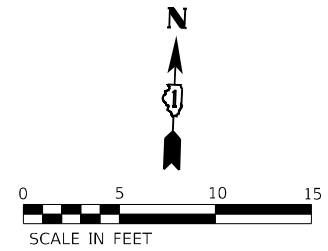
SCALE: 1"=5'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	108
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

NOTES:

- BUS STOP SIGN SHALL BE INSTALLED ON THE FAR SIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.



POINT	EX. ELEV.	PR. ELEV.
A	(628.78)	(628.78)
B	(628.76)	(628.76)
C	(628.40)	628.34
D	(628.57)	628.38
E	(628.27)	(628.27)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	(0.40%)
B-D	118.55	0.32%
A-C	118.55	0.37%
D-C	5.00	0.80%
C-E	5.00	1.40%

LEGEND

(XX.XX)	EXISTING LENGTH/ELEVATION		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
XX.XX'	REFERENCE POINT LENGTH		DEPRESSED CURB AND GUTTER

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 WWW.KIMLEY-HORN.COM



USER NAME = JOEL TURK	DESIGNED - AMK	REVISED -
	DRAWN - JJT	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED - SS	REVISED -
PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

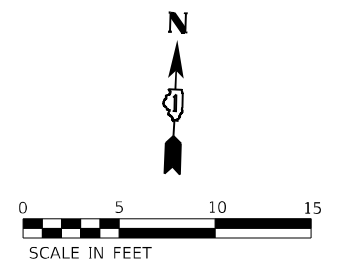
**BUS STOP DETAILS
 IL 64 AND 5TH AVENUE - NW CORNER**

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	109
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

NOTES:

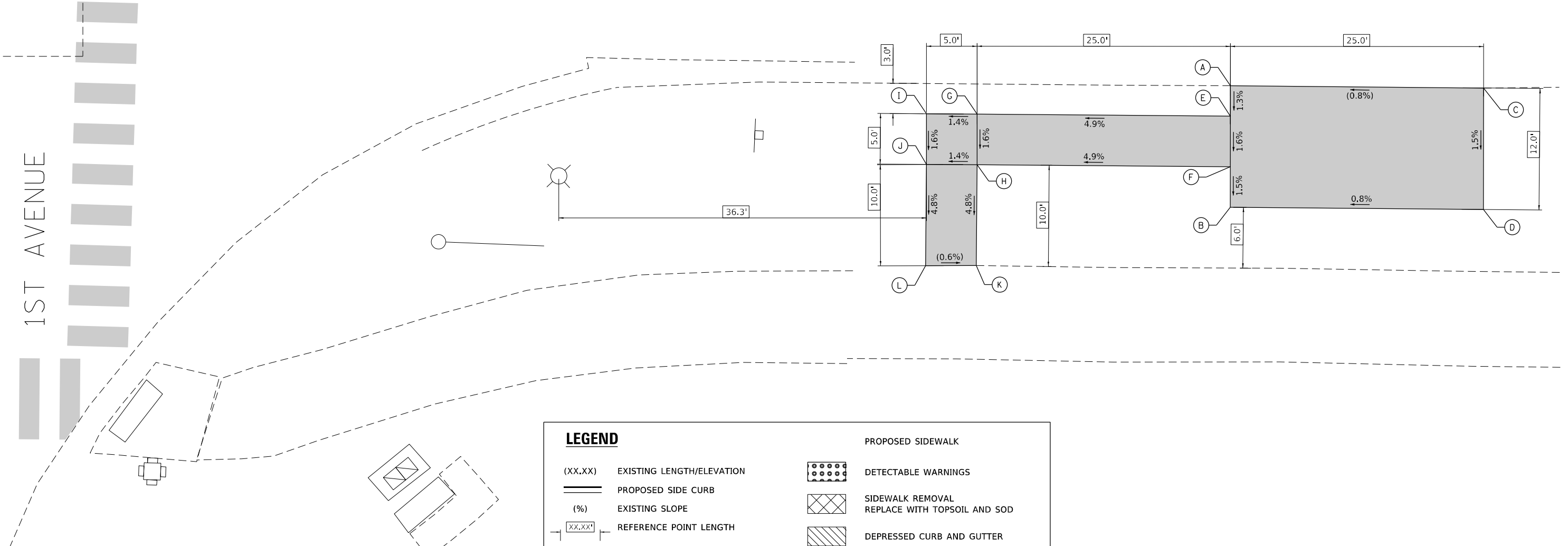
1. CONTRACTOR SHALL NOTIFY THE ILLINOIS CONVENIENCE AND SAFETY CORPORATION (ICSC) AT LEAST SEVEN (7) DAYS IN ADVANCE OF THE REMOVAL OF THE BUS STOP SHELTER OR CLOSURE OF THE BUS STOP.
2. CONTRACTOR SHALL COORDINATE WITH PACE REGARDING RELOCATION OF BUS STOP SIGN.
3. BUS STOP SIGN SHALL BE INSTALLED ON THE FARSIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.



POINT	EX. ELEV.	PR. ELEV.
A	(626.70)	(626.70)
B	(628.30)	626.88
C	(626.51)	(626.51)
D	(628.10)	626.69
E	(627.00)	626.74
F	(627.60)	626.82
G	(627.05)	627.95
H	(627.50)	628.03
I	(627.05)	628.02
J	(627.55)	628.10
K	(628.51)	(628.51)
L	(628.48)	(628.48)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-C	25.00	(0.76%)
D-C	12.00	1.50%
B-D	25.00	0.76%
B-F	4.00	1.50%
F-E	5.00	1.60%
E-A	3.00	1.33%
G-E	25.00	4.85%
H-F	25.00	4.85%
H-G	5.00	1.60%
I-G	5.00	1.40%
J-H	5.00	1.40%
J-I	5.00	1.60%
K-H	10.00	4.80%
L-J	10.00	3.80%
K-L	5.00	(0.60%)

IL 64 (NORTH AVENUE)



LEGEND

(XX.XX)	EXISTING LENGTH/ELEVATION		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	REFERENCE POINT LENGTH		DEPRESSED CURB AND GUTTER

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USER NAME = jdelTurk	DESIGNED - AMK	REVISED -
	DRAWN - JJT	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - SS	REVISED -
PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

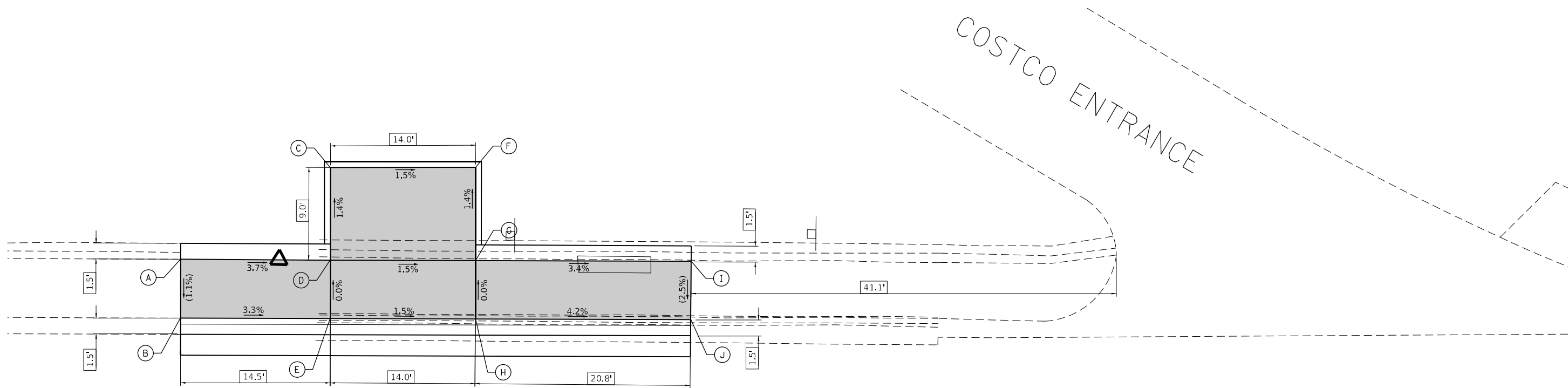
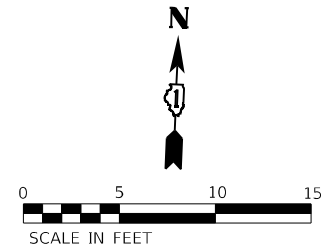
BUS STOP DETAILS
IL 64 AND 1ST AVENUE - SE CORNER

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	110
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

NOTES:

- CONTRACTOR SHALL REMOVE, PROTECT, AND RELOCATE BUS STOP SIGN WHEN WORK IS COMPLETED.
- BUS STOP SIGN SHALL BE INSTALLED ON THE FARSIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.



IL 64 (NORTH AVENUE)

POINT	EX. ELEV.	PR. ELEV.
A	(623.16)	(623.16)
B	(623.22)	(623.22)
C	(625.13)	623.83
D	(623.63)	623.70
E	(623.72)	623.70
F	(625.47)	624.02
G	(624.00)	623.89
H	(624.16)	623.89
I	(624.63)	(624.63)
J	(624.77)	(624.77)

SEGMENT	LENGTH (FT)	SLOPE (%)
B-A	5.67	(1.06%)
D-A	14.5	3.72%
E-B	14.50	3.31%
C-D	9	1.44%
D-E	5.65	0.00%
F-C	13.00	1.46%
F-G	9.00	1.44%
G-D	13.00	1.46%
G-H	5.65	0.00%
H-E	13.00	1.46%
I-G	21.85	3.39%
J-H	21.85	4.03%
J-I	5.67	(2.47%)

LEGEND

(XX.XX)	EXISTING LENGTH/ELEVATION		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	REFERENCE POINT LENGTH		DEPRESSED CURB AND GUTTER

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 PROJECT: 62N40 - IL 64 (NORTH AVENUE) - NW CORNER
 SHEET: 307 - BUS STOP DETAILS
 DATE: 3/22/2024



USER NAME = joel.turk	DESIGNED - AMK	REVISED -
DRAWN - JJT	CHECKED - SS	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS	
IL 64 AND 1ST AVENUE - NW CORNER	
SCALE: 1"=5'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	111
CONTRACT NO. 62N40				

ILLINOIS FED. AID PROJECT

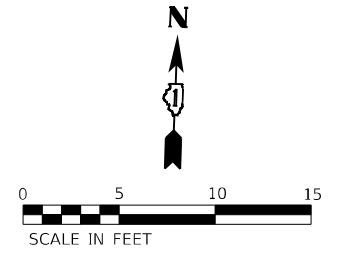
	STATION	OFFSET	ELEVATION
A	396+33.96	60.80 L	(625.77)
B	396+33.00	61.08 L	(625.70)
C	396+32.44	61.24 L	(626.11)
D	396+32.77	57.42 L	(625.61)
E	396+31.83	57.81 L	625.60
F	396+31.29	58.04 L	625.64
G	396+30.25	52.77 L	(625.54)
H	396+29.41	53.32 L	625.53
I	396+28.92	53.64 L	625.57
J	396+28.50	50.37 L	(625.45)
K	396+27.72	51.01 L	(625.39)
L	396+27.27	51.37 L	(625.79)
M	396+25.80	61.00 L	625.70
N	396+24.55	56.00 L	625.65
O	396+19.54	60.99 L	625.75
P	396+19.55	55.99 L	625.70

POINT	EX. ELEV.	PR. ELEV.
AA	(625.73)	(625.73)
BB	(627.43)	626.01
CC	(625.60)	(625.60)
DD	(626.70)	(626.70)
EE	(627.55)	625.88

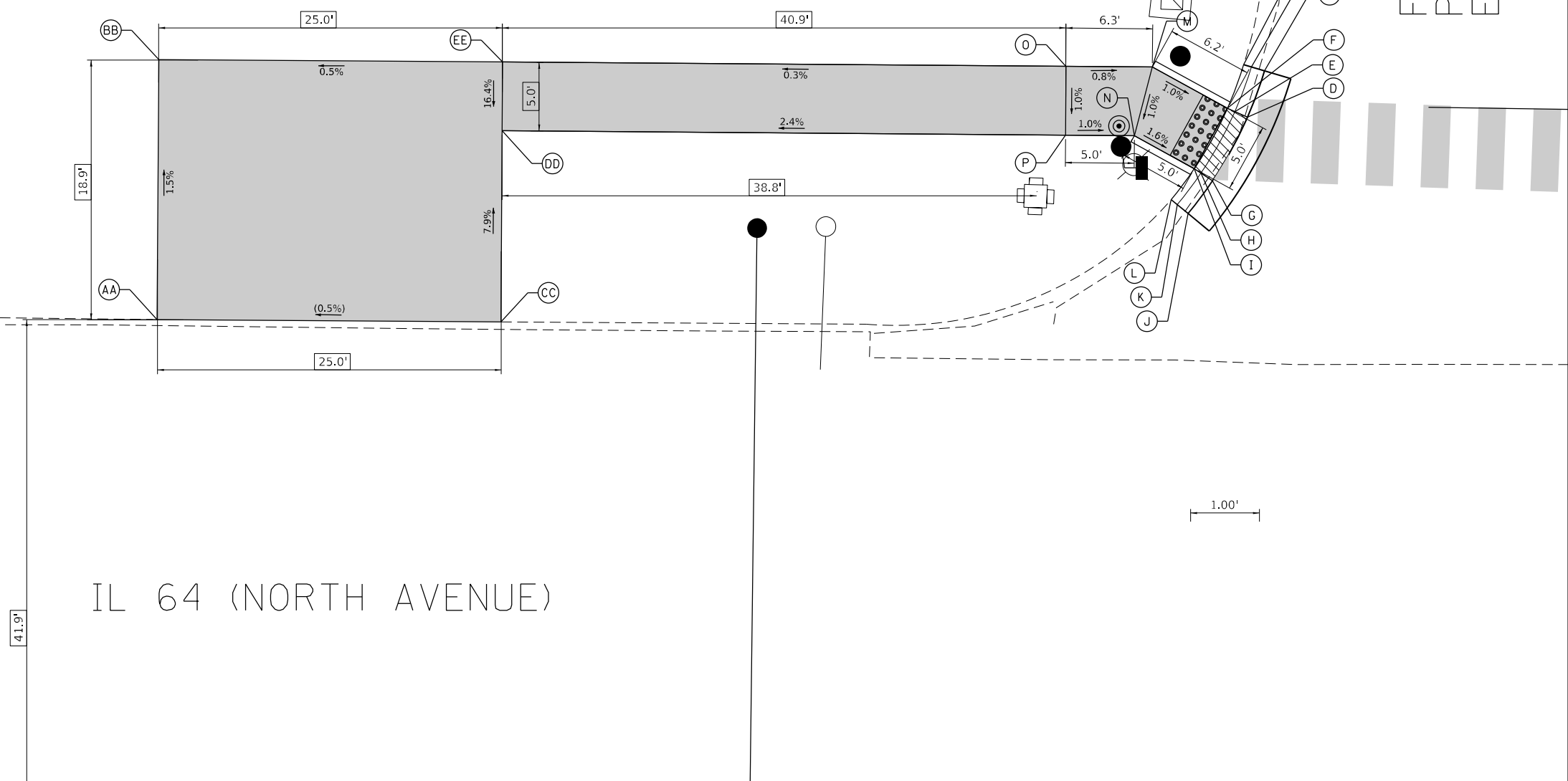
SEGMENT	LENGTH (FT)	SLOPE (%)
BB-AA	19.00	1.47%
BB-EE	25.00	0.52%
AA-CC	25.00	(0.52%)
DD-CC	14.00	1.50%
EE-DD	5.00	1.40%
EE-O	41.00	0.32%
DD-P	41.00	0.27%

NOTES:

- CONTRACTOR SHALL REMOVE, PROTECT, AND RELOCATE BUS STOP SIGN WHEN WORK IS COMPLETED.
- BUS STOP SIGN SHALL BE INSTALLED ON THE FARSIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.



FOREST PRESERVE ENTRANCE



LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- ┌───XX.XX──┐ REFERENCE POINT LENGTH
- ▤ PROPOSED SIDEWALK
- ▧ DETECTABLE WARNINGS
- ▨ SIDEWALK REMOVAL
REPLACE WITH TOPSOIL AND SOD
- ▩ DEPRESSED CURB AND GUTTER

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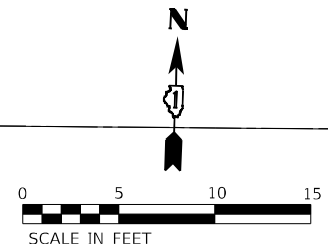
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	DRAWN - JJT	REVISED -
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PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND FOREST PRESERVE ENTRANCE - NW CORNER

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	112
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.



POINT	EX. ELEV.	PR. ELEV.
A	(625.78)	(625.78)
B	(626.98)	625.88
C	(627.05)	625.92
D	(625.82)	(625.82)

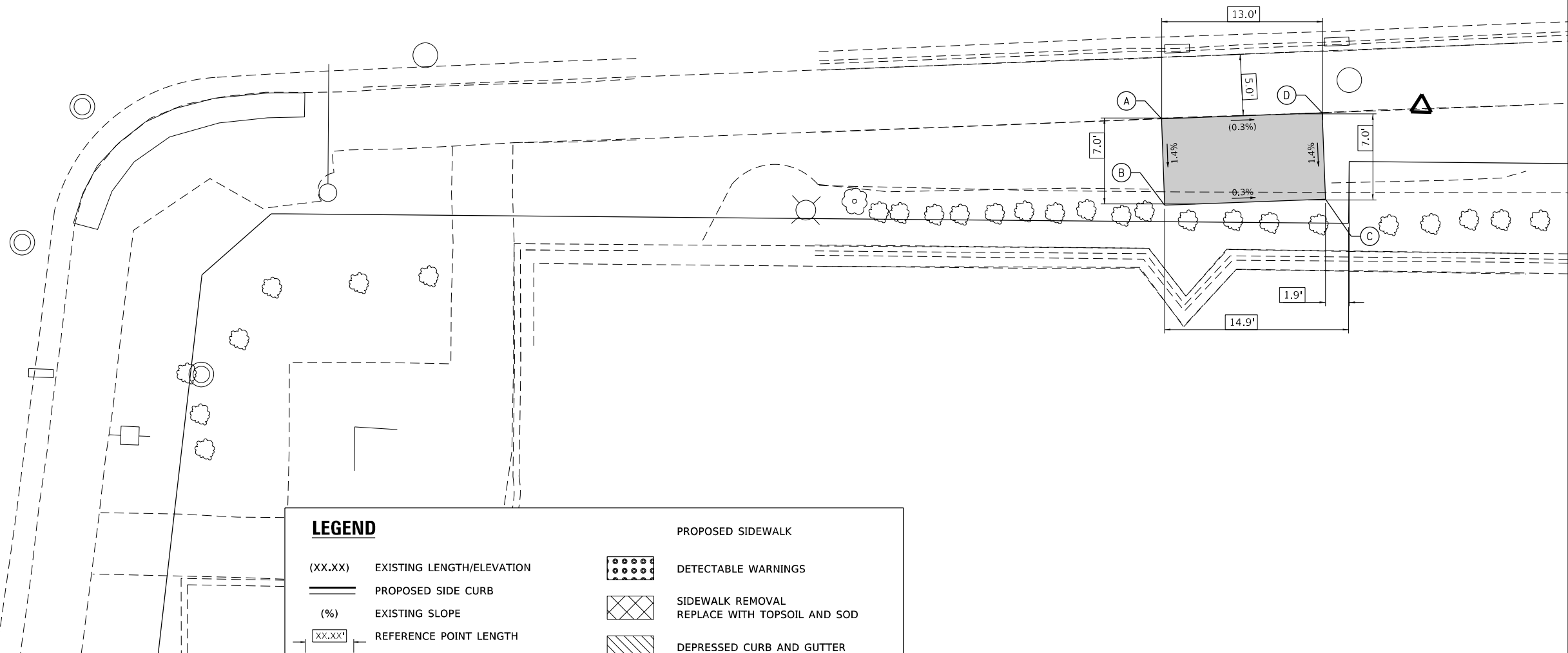
SEGMENT	LENGTH (FT)	SLOPE (%)
D-A	13.00	(0.31%)
B-A	7.00	1.43%
C-B	13.00	0.31%
C-D	7.00	1.43%

NOTES:

- BUS STOP SIGN SHALL BE INSTALLED ON THE FAR SIDE OF THE PAD, A MINIMUM OF 18" FROM THE BACK OF CURB WITH THE SIGN POINTING AWAY FROM THE ROAD.

IL 64 (NORTH AVENUE)

THATCHER AVENUE



LEGEND

- (XX.XX) EXISTING LENGTH/ELEVATION
- ===== PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- [XX.XX]--- REFERENCE POINT LENGTH
- PROPOSED SIDEWALK
- [Grid Pattern] DETECTABLE WARNINGS
- [Cross-hatch] SIDEWALK REMOVAL
REPLACE WITH TOPSOIL AND SOD
- [Diagonal Lines] DEPRESSED CURB AND GUTTER

MODEL: D:\default\...
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 4001 WILSON ROAD, SUITE 600
 WARREN, ILL. 60555
 PHONE: (815) 427-4500
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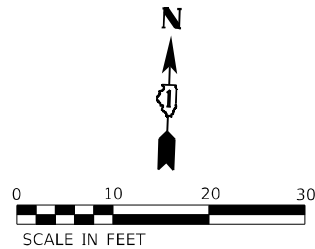
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND THATCHER AVENUE - SE CORNER

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	113
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				



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 WARREN, ILL. 60555
 PHONE: (815) 427-4555
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USER NAME =	JoelTurk
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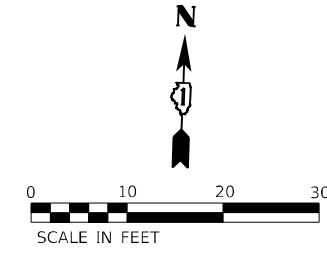
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DRAWN -	JJT	REVISED -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUS STOP DETAILS
IL 64 AND OAK PARK AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	114
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				



OAK PARK AVENUE

IL 64 (NORTH AVENUE)

- 11/2" DOWELS X 18" LONG AT 12" CTS
- NO.6 X 24" TIE BARS AT 36" CTS
- LONGITUDINAL SAWED JOINT (TYP)
- PAVEMENT REMOVAL (102 SY)
- 15.0' (TYP)
- 90' BUS STOP PAD
- PCC SIDEWALK, 5"
- PCC PAVEMENT, 10" SUBBASE GRANULAR MATERIAL, 12"
- PROPOSED BUS SHELTER
- INSTALL RELOCATED BUS STOP SIGN
- INSTALL "NO PARKING BUS STOP" SIGN
- TRANSVERSE CONTRACTION JOINT (TYP)
- 2.0% MAX
- 2.0% MAX
- 2.0% MAX
- 5.0'
- 15.0'
- 4.0'
- 14.0'
- 4.0'
- 5.0'
- 4.0'
- 13.0'
- 7.0'
- REAR DOOR CLEAR ZONE
- ADA BUS SHELTER CLEAR ZONE
- LIFT DEPLOYMENT CLEAR ZONE

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 WARREN, ILL. 60555
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USER NAME = JoelTurk	DESIGNED - AMK	REVISED
	DRAWN - JJT	REVISED -
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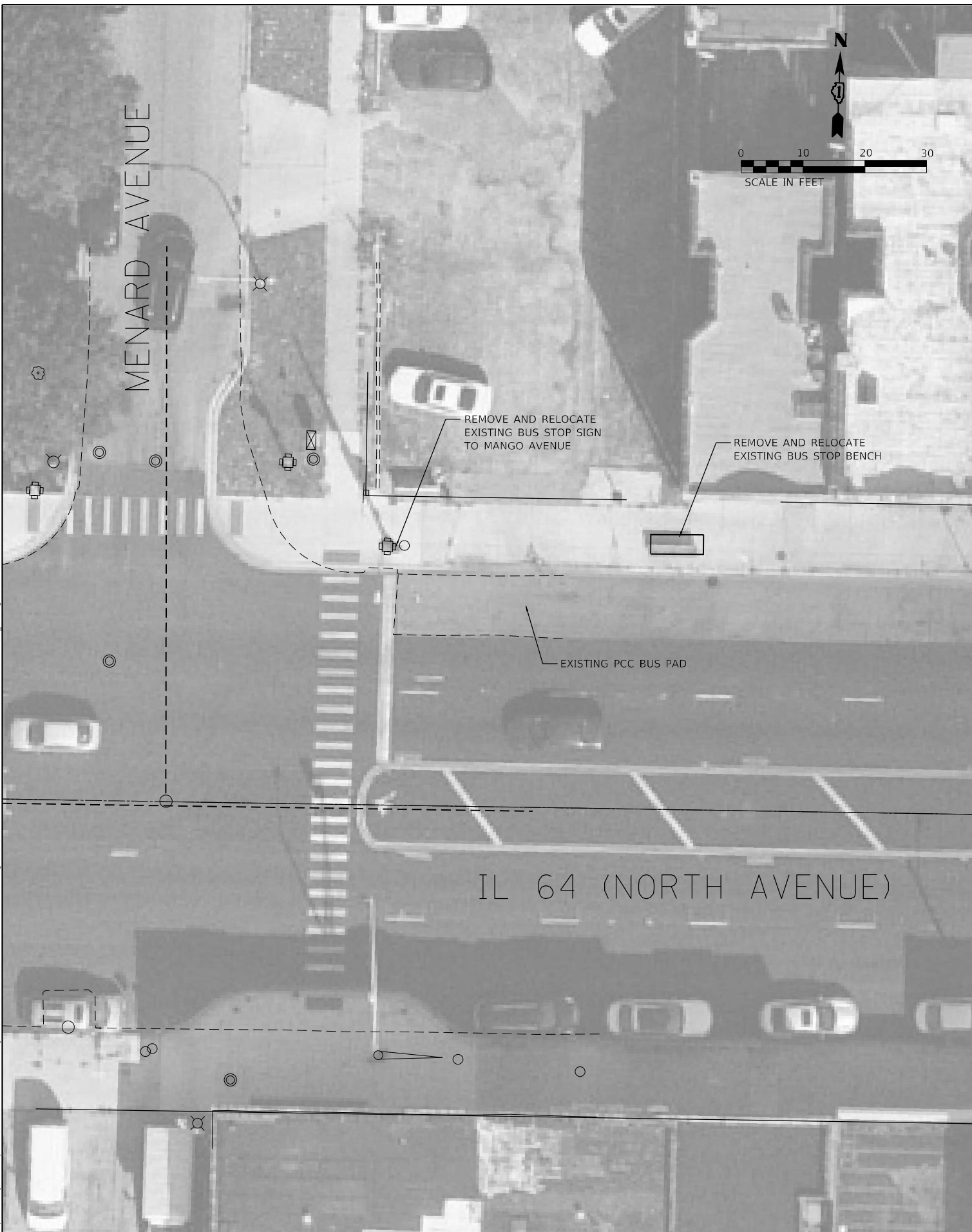
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUS STOP DETAILS
IL 64 AND OAK PARK AVENUE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR,SW&TS	COOK	492	115
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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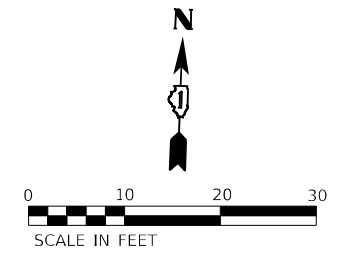
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PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BUS STOP DETAILS
 IL 64 AND MENARD AVE AND MAJOR AVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	116
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				



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 USER: JJT
 DATE: 3/22/2024



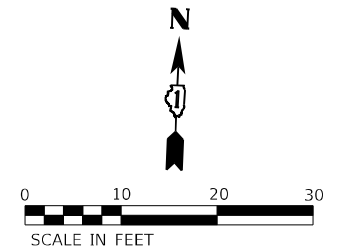
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS
IL 64 AND MANGO AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	117
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				



IL 64 (NORTH AVENUE)

LAVERGNE AVENUE

MODEL: Default
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 USER: jturk
 DATE: 3/22/2024
 PROJECT: 62N40



USER NAME = jturk	DESIGNED - AMK	REVISED
DRAWN - JJT	REVISIONS	REVISIONS
CHECKED - SS	REVISIONS - 117	REVISIONS
DATE - 3/22/2024	REVISIONS	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUS STOP DETAILS				
IL 64 AND LAVERGNE AVENUE				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	118
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

HOT POURED JOINT SEALER
AROUND THE PERIMETER OF
THE BUS PAD (INCIDENTAL)

EXTG/PROPOSED
HMA PAVEMENT

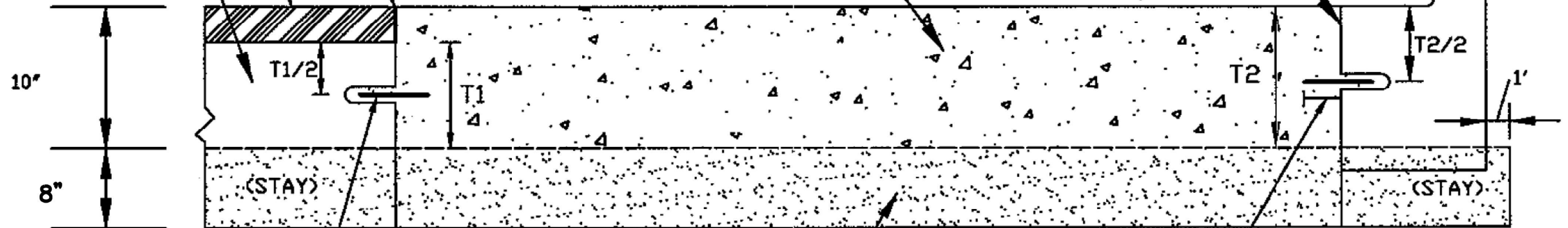
EXTG PCC BASE CSE

COMBINATION CONCRETE
CURB & GUTTER

10' X 90'

FULL DEPTH SAWCUT (TYP)
(INCIDENTAL)

PROPOSED PAVEMENT REMOVAL
& REPLACEMENT, 10" (HES)



8" - SUB-BASE GRANULAR MATERIAL
(INCIDENTAL)

9" (TYP)

DRILL AND GROUT

#6 DOWEL BARS (EPOXY COATED) 24" LONG @ 36" C.C. (TYP)
(INCIDENTAL)

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 SHEET: 119 OF 492
 DATE: 3/22/2024
 DRAWN BY: JJT
 CHECKED BY: SS
 DESIGNED BY: AMK

Kimley»Horn

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USER NAME = joelturk	DESIGNED - AMK	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - JJT	REVISED -
PLOT DATE = 3/22/2024	CHECKED - SS	REVISED -
	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT BUS PAD DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

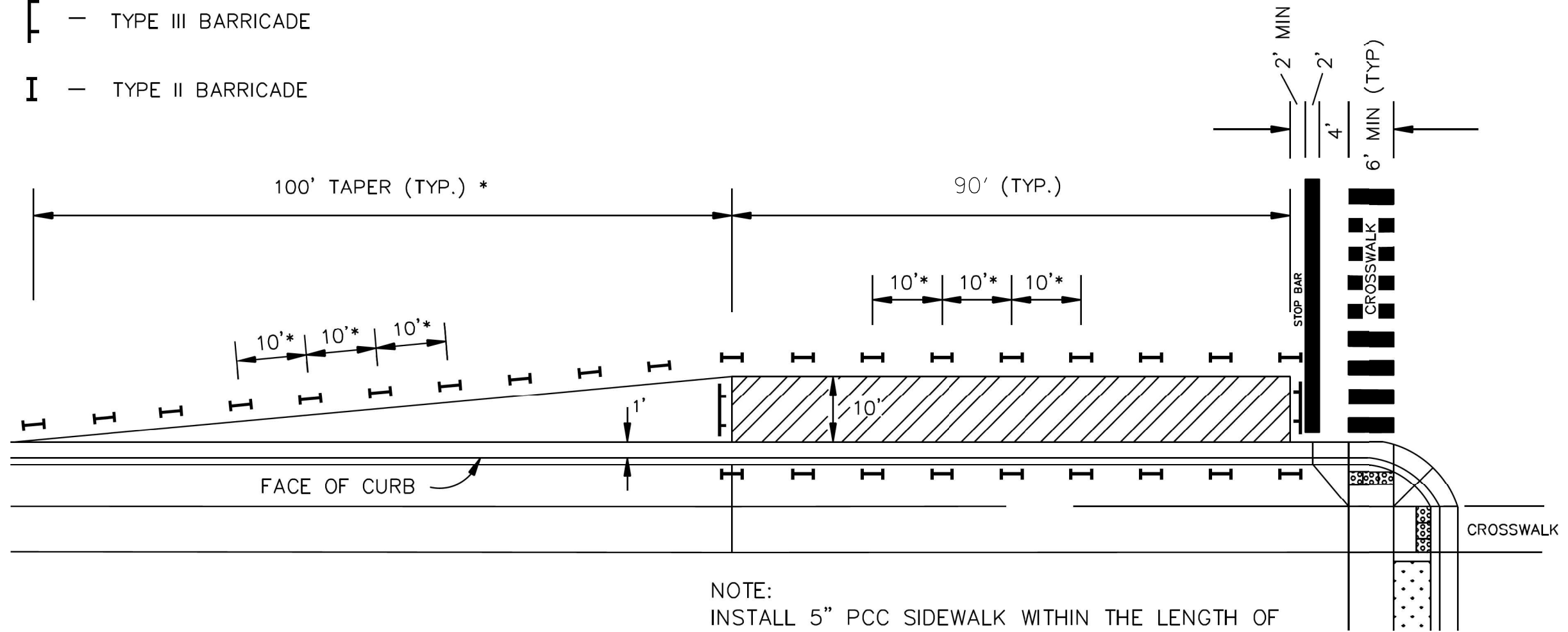
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307	2020-264-SUR, SW&TS	COOK	492	119
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL DEVICES

LEGEND:

┌ — TYPE III BARRICADE

I — TYPE II BARRICADE



NOTE:
INSTALL 5" PCC SIDEWALK WITHIN THE LENGTH OF THE BUS PAD ON BUS STOP WITH EXISTING PARKWAY.

* SHALL CONFORM TO EITHER SECTION 4.4, THE IDOT HIGHWAY STANDARDS, OR MUTCD, WHICHEVER IS MORE STRINGENT.

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KimleyHorn

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WARREN, IL 62255
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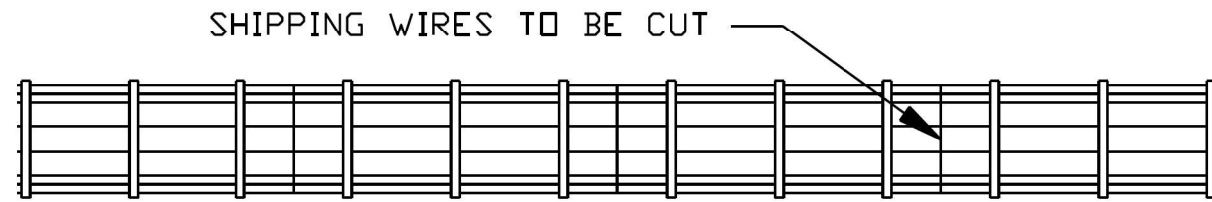
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

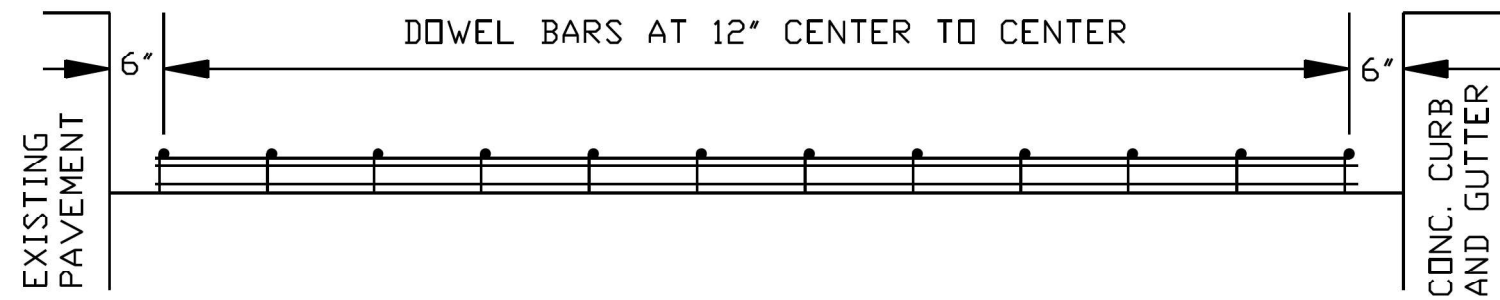
CDOT BUS PAD DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

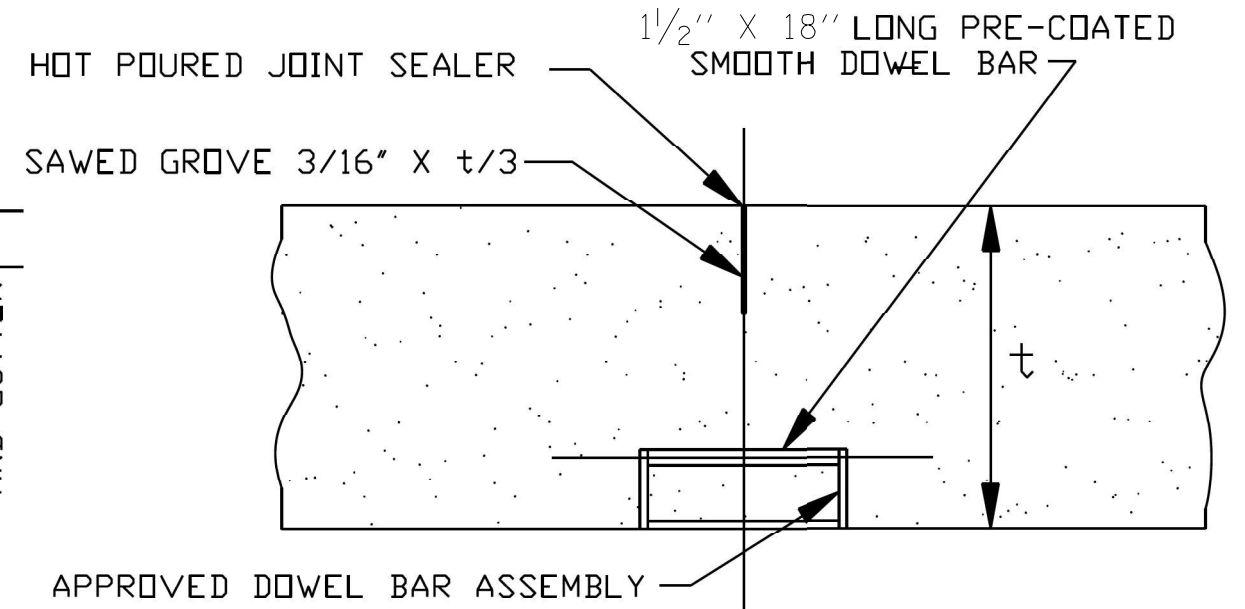
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307	2020-264-SUR, SW&TS	COOK	492	120
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				



PLAN OF ASSEMBLY



ELEVATION OF ASSEMBLY



SAWED CONTRACTION JOINT

(INCIDENTAL TO PAY ITEM: PAVEMENT REMOVAL & REPLACEMENT FOR 10-INCH, HES)

MODEL: D:\default...
 FILE: NAME: ...
 © 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 4001 WHEATLAND ROAD, SUITE 400
 WARREN, ILL. 60555
 PHONE: 815.447.4600
 WWW.KIMLEY-HORN.COM



USER NAME = JoelTurk	DESIGNED - AMK	REVISED -
	DRAWN - JJT	REVISED -
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PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

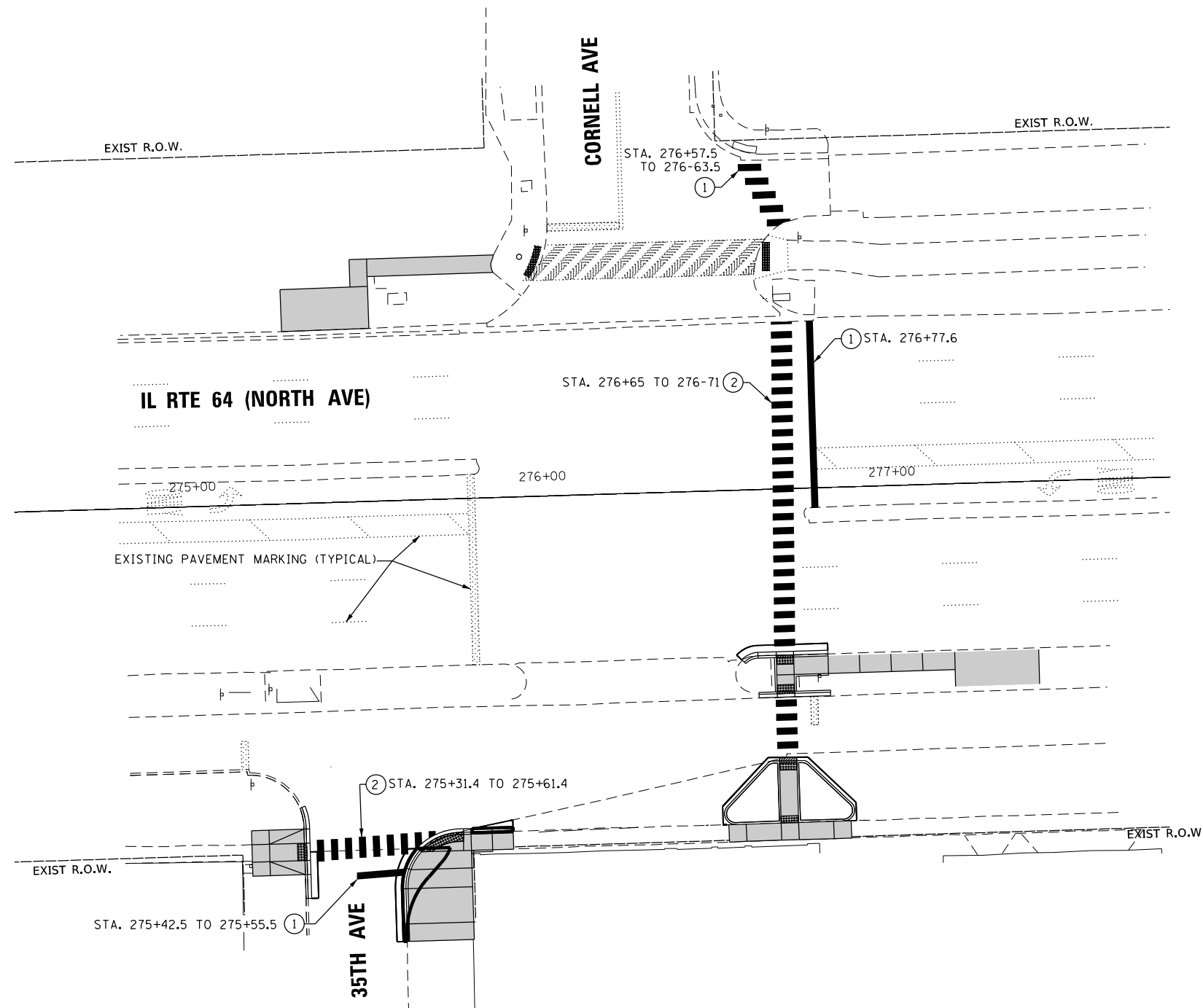
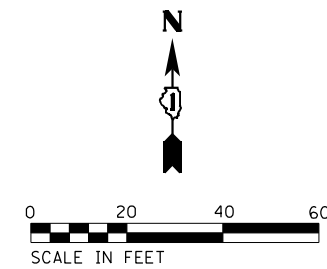
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT BUS PAD DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	121
CONTRACT NO. 62N40				

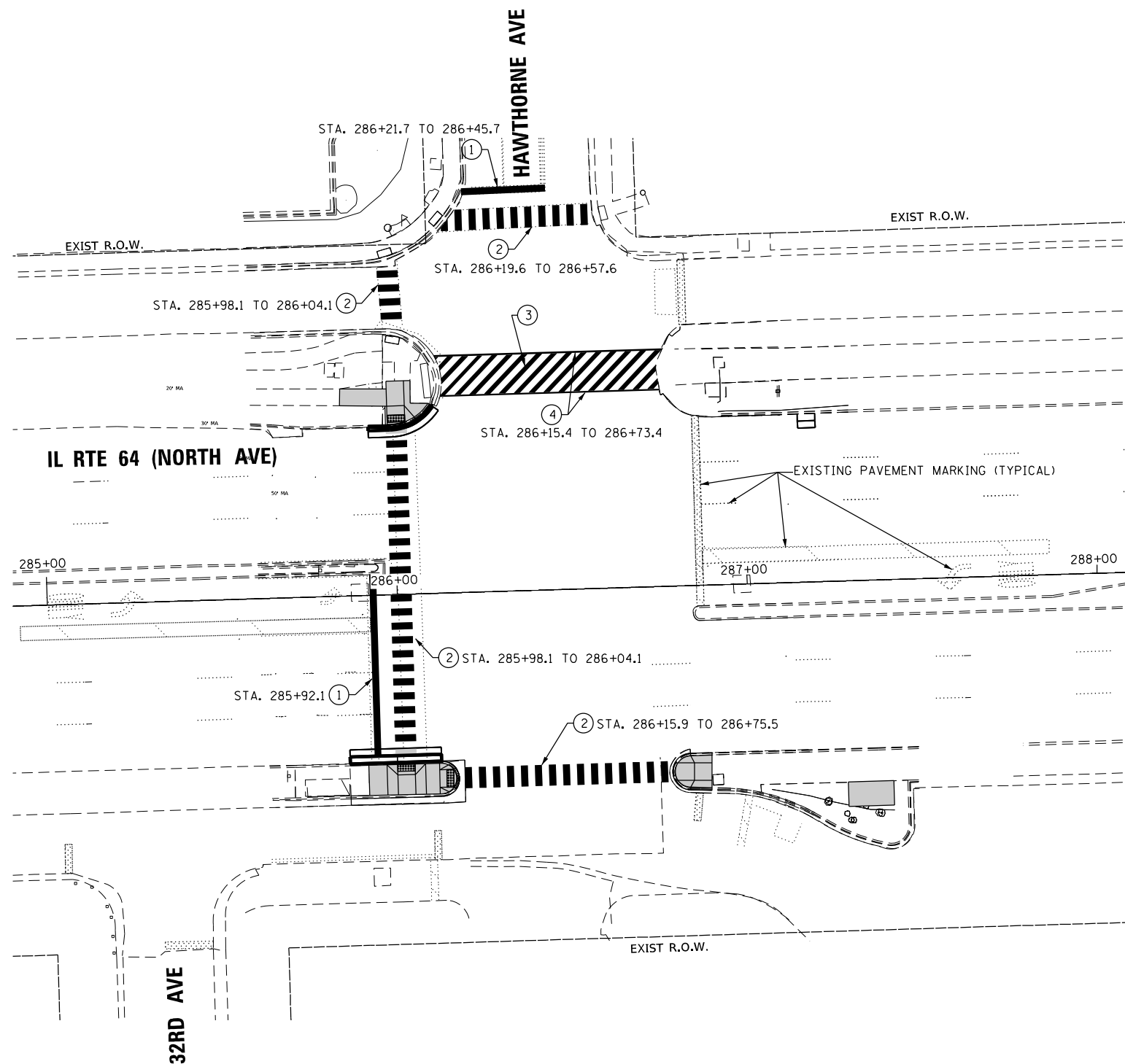
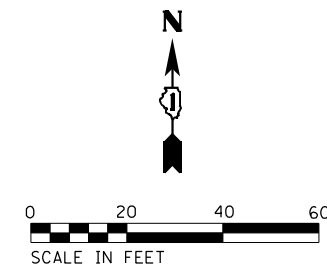
ILLINOIS FED. AID PROJECT



- LEGEND:**
- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID)(78000650)
 - ② THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK (6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)

FILE NAME = C:\Users\pawbent\Documents\01 Active Projects\W-015-16895100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\00A & Pace\East Corridor\01B8121-shc-PMK-35th-Cornel\01.dwg

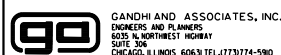
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	PLOT SCALE = 40.0000' / in.	CHECKED - MS DATE - 3/22/2024	SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 62N40				
	PLOT DATE = \$DATE\$	FED. ROAD DIST. NO. . ILLINOIS FED. AID PROJECT								



LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE, SOLID)(78000650)
- ② THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK
(6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)
- ③ THERMOPLASTIC PAVEMENT MARKING - 12 FT WIDE CROSSWALK 45°
(12FT X 1FT - SKIP 2FT)(WHITE, SOLID)(78000600)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6"
(WHITE, SOLID)(78000400)

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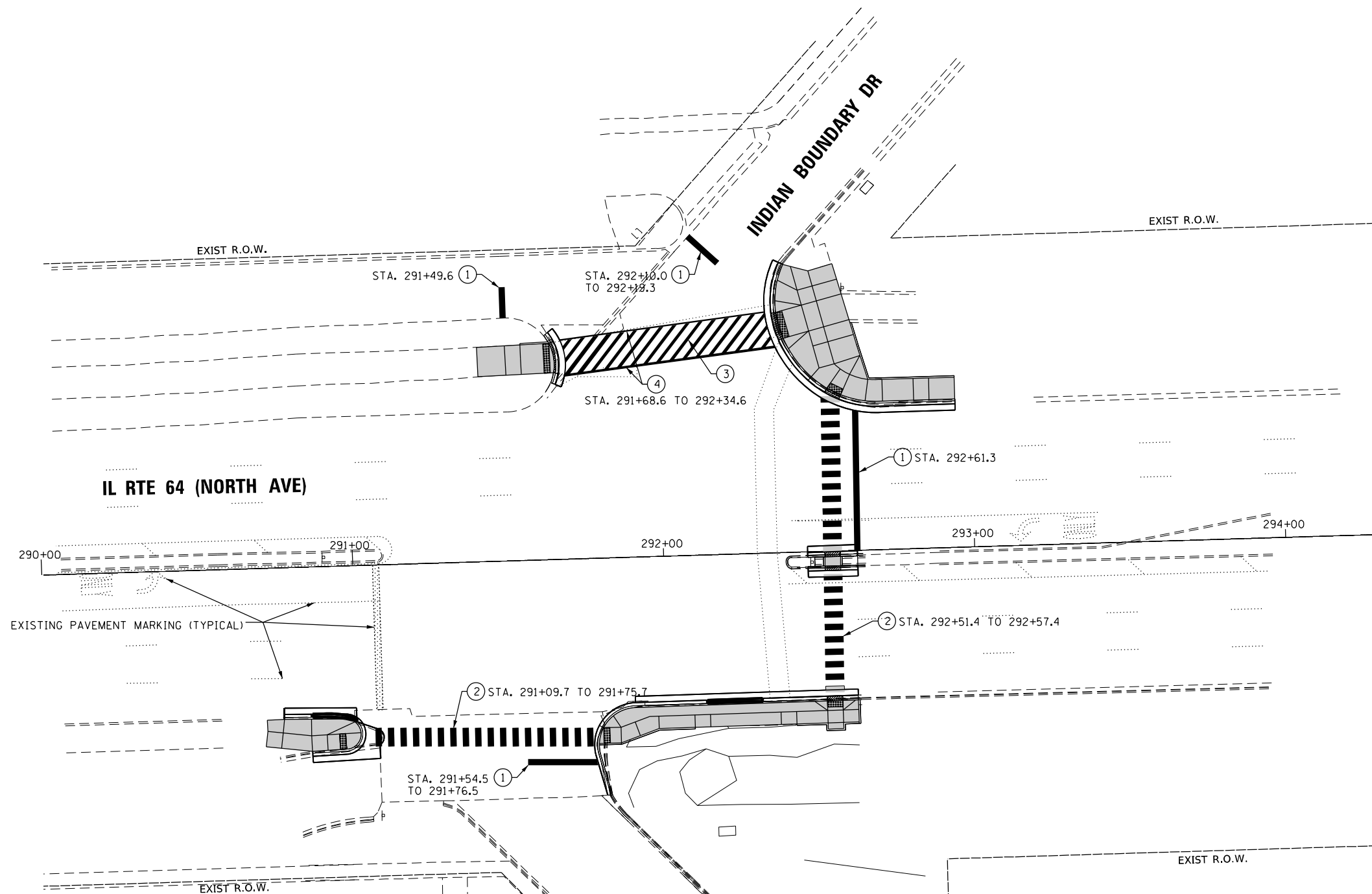
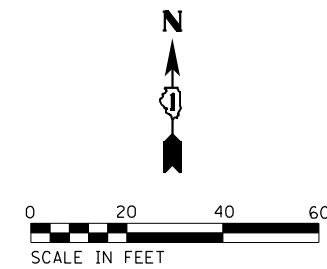
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	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
IL RTE 64 (NORTH AVE) AND HAWTHORNE AVE /32ND AVE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

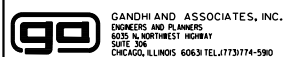
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307	2020-263-SUR, SW&TS	COOK	492	123
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE, SOLID)(78000650)
- ② THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK
(6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)
- ③ THERMOPLASTIC PAVEMENT MARKING - 10 FT WIDE CROSSWALK 45°
(10FT X 1FT - SKIP 2FT)(WHITE, SOLID)(78000600)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6"
(WHITE, SOLID)(78000400)

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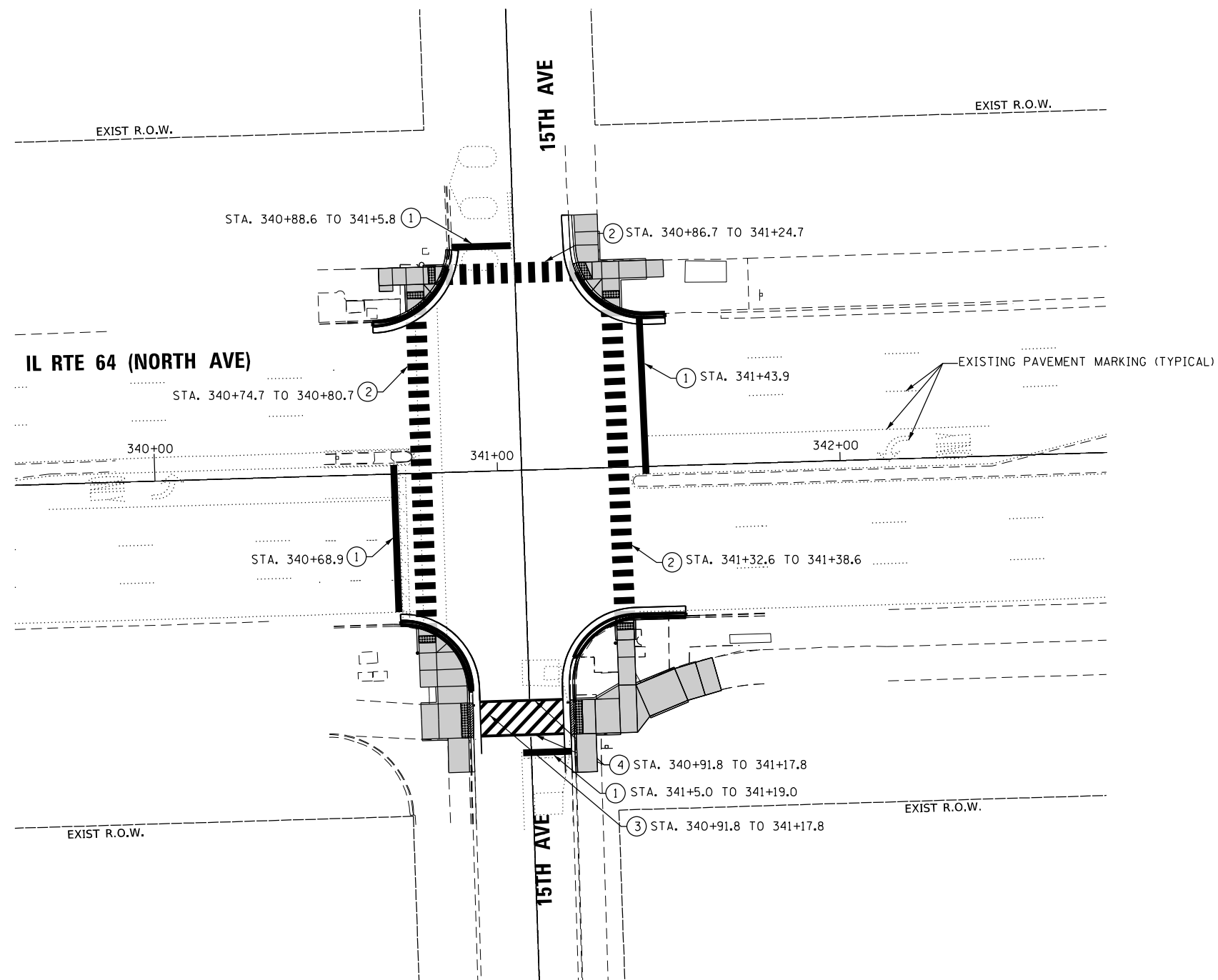
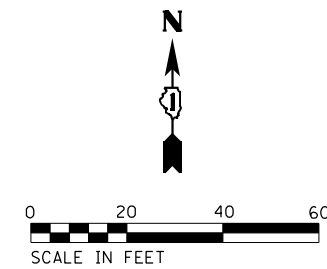
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	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
IL RTE 64 (NORTH AVE) AND INDIAN BOUNDARY DR**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

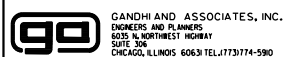
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	124
				CONTRACT NO. 62N40
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE, SOLID)(78000650)
- ② THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK
(6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)
- ③ THERMOPLASTIC PAVEMENT MARKING - 10 FT WIDE CROSSWALK 45°
(10FT X 1FT - SKIP 2FT)(WHITE, SOLID)(78000600)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6"
(WHITE, SOLID)(78000400)

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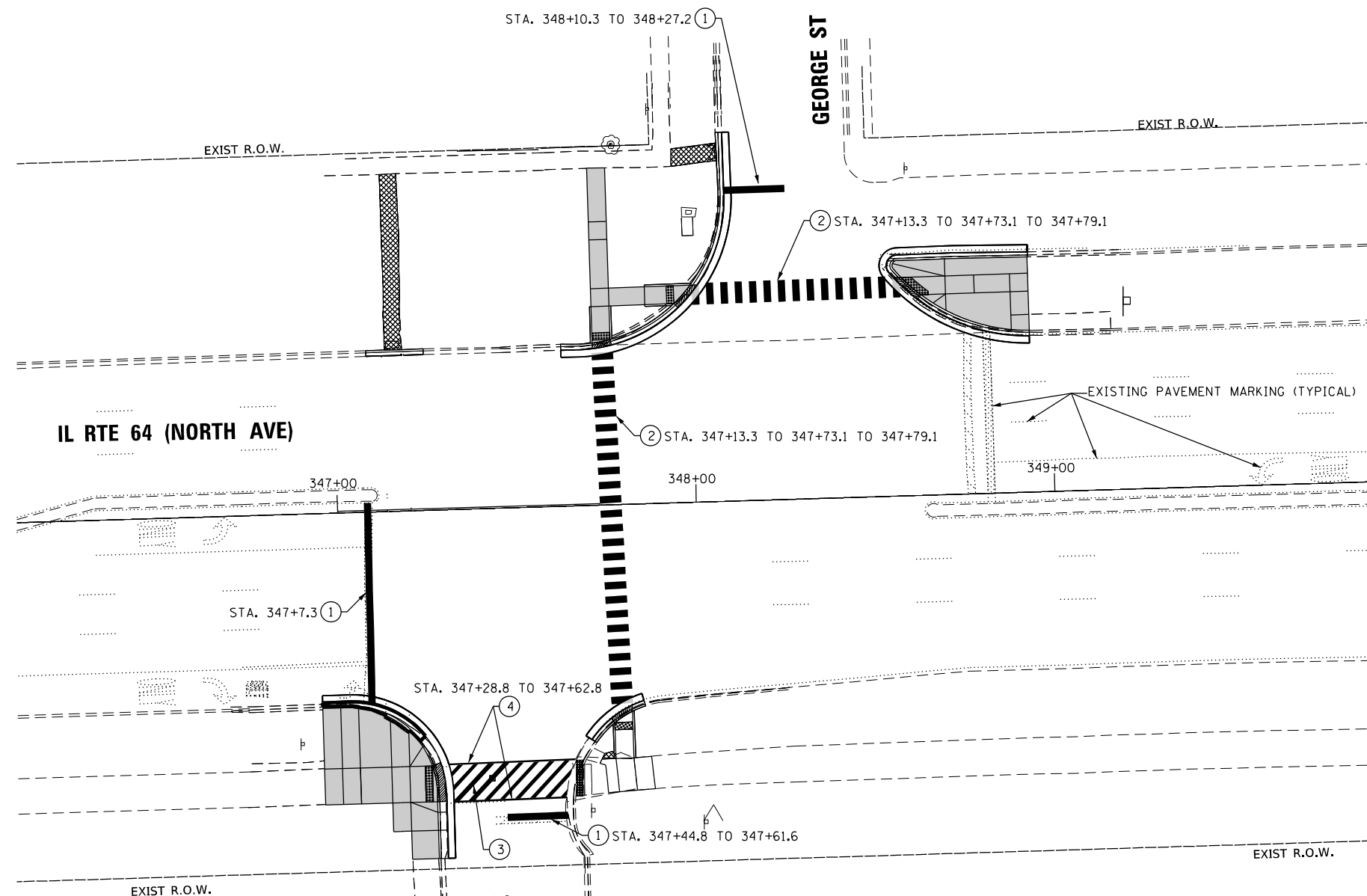
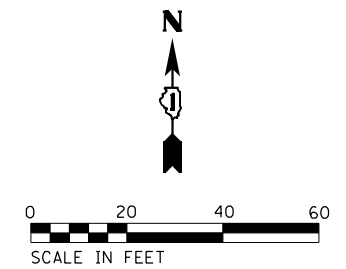
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PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
IL RTE 64 (NORTH AVE) AND 15TH AVE**

SCALE: 1" = 200'	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	125
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

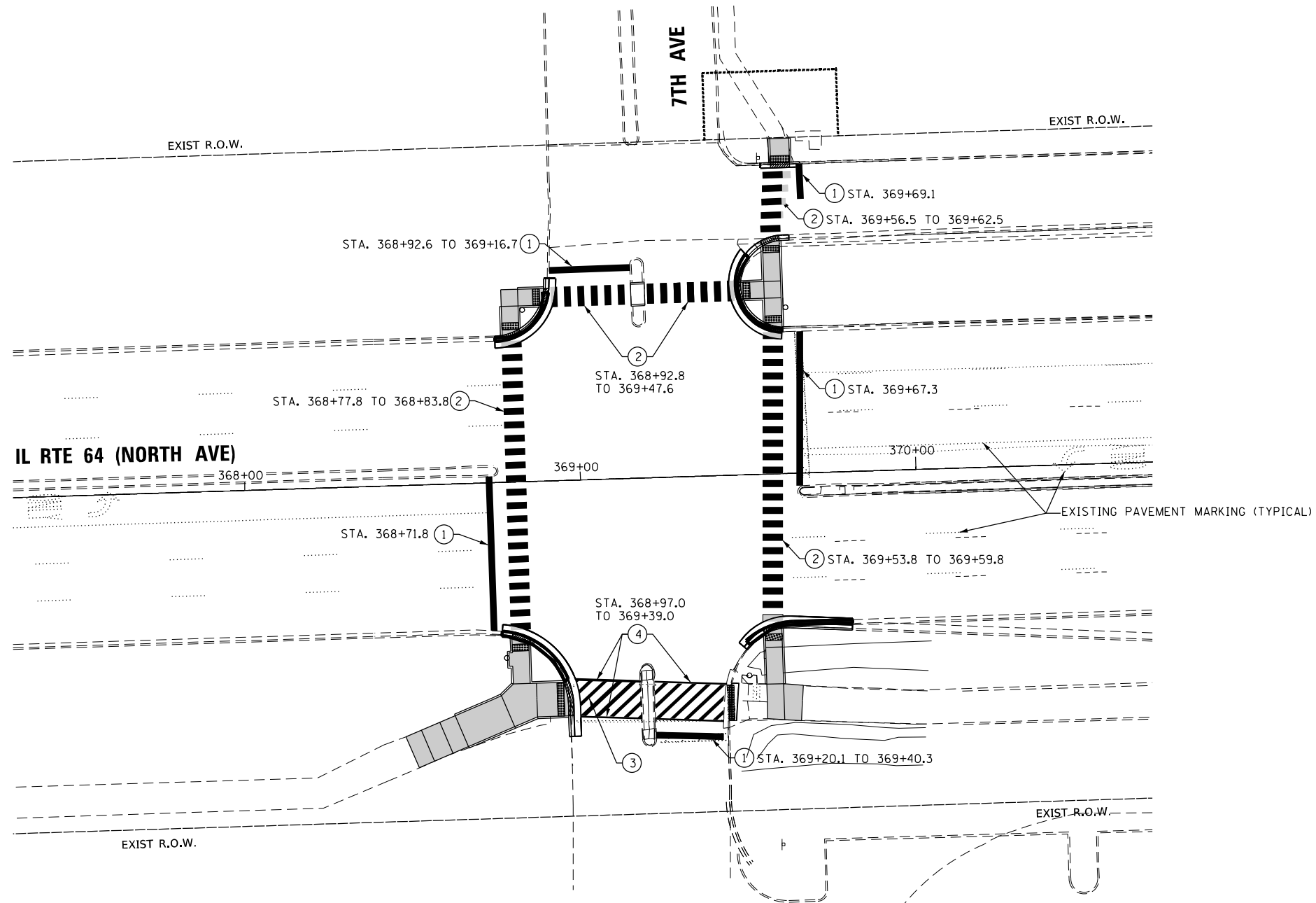
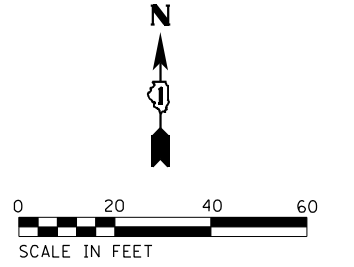


LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE, SOLID)(78000650)
- ② THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK
(6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)
- ③ THERMOPLASTIC PAVEMENT MARKING - 10 FT WIDE CROSSWALK 45°
(10FT X 1FT - SKIP 2FT)(WHITE, SOLID)(78000600)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6"
(WHITE, SOLID)(78000400)

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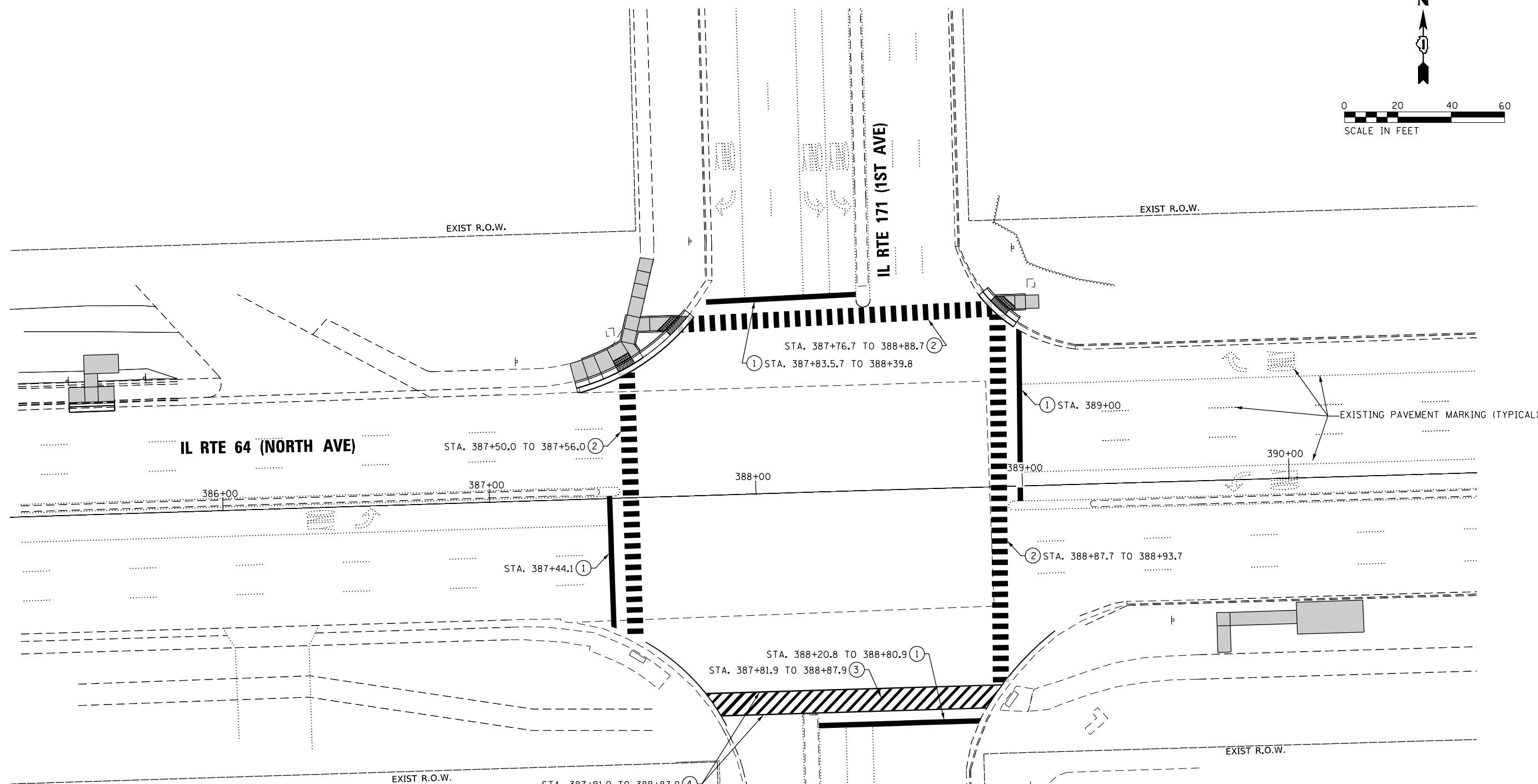
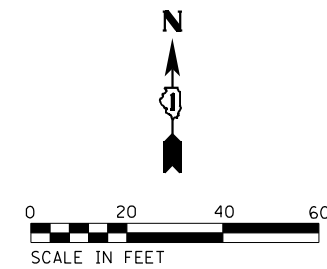


LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE, SOLID)(78000650)
- ② THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK
(6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)
- ③ THERMOPLASTIC PAVEMENT MARKING - 10 FT WIDE CROSSWALK 45°
(10FT X 1FT - SKIP 2FT)(WHITE, SOLID)(78000600)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6"
(WHITE, SOLID)(78000400)

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										FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT		

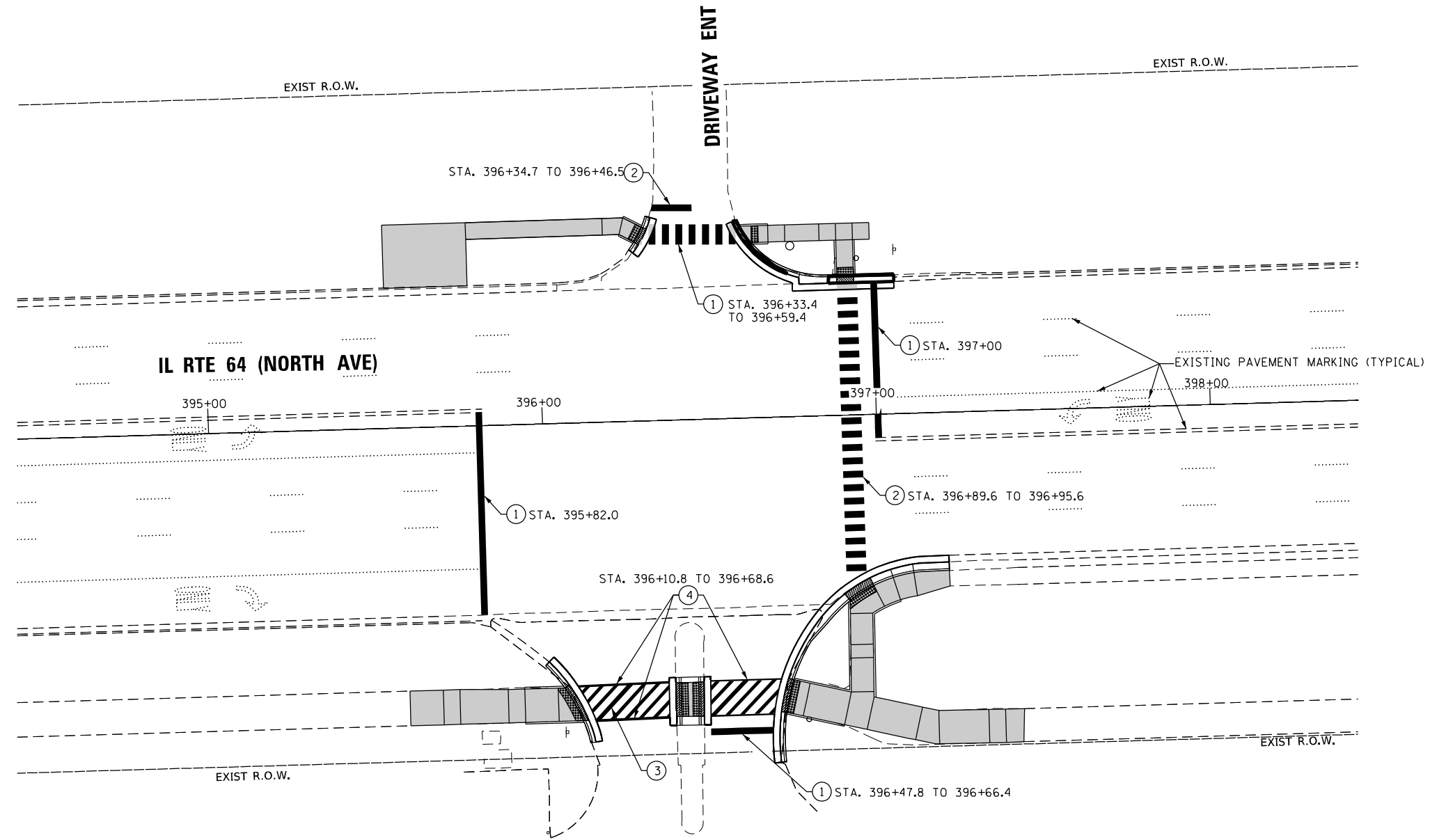
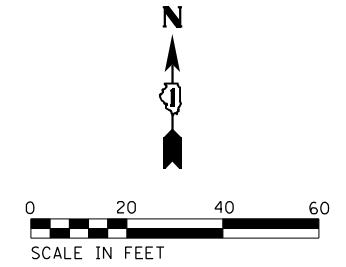


LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE, SOLID)(78000650)
- ② THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK
(6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)
- ③ THERMOPLASTIC PAVEMENT MARKING - 8 FT WIDE CROSSWALK 45°
(8FT X 1FT - SKIP 2FT)(WHITE, SOLID)(78000600)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6"
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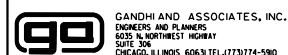
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	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA.	TO STA.	307	2020-263-SUR, SW&TS	COOK
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								FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE, SOLID)(78000650)
- ② THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK
(6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)
- ③ THERMOPLASTIC PAVEMENT MARKING - 10 FT WIDE CROSSWALK 45°
(10FT X 1FT - SKIP 2FT)(WHITE, SOLID)(78000600)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6"
(WHITE, SOLID)(78000400)

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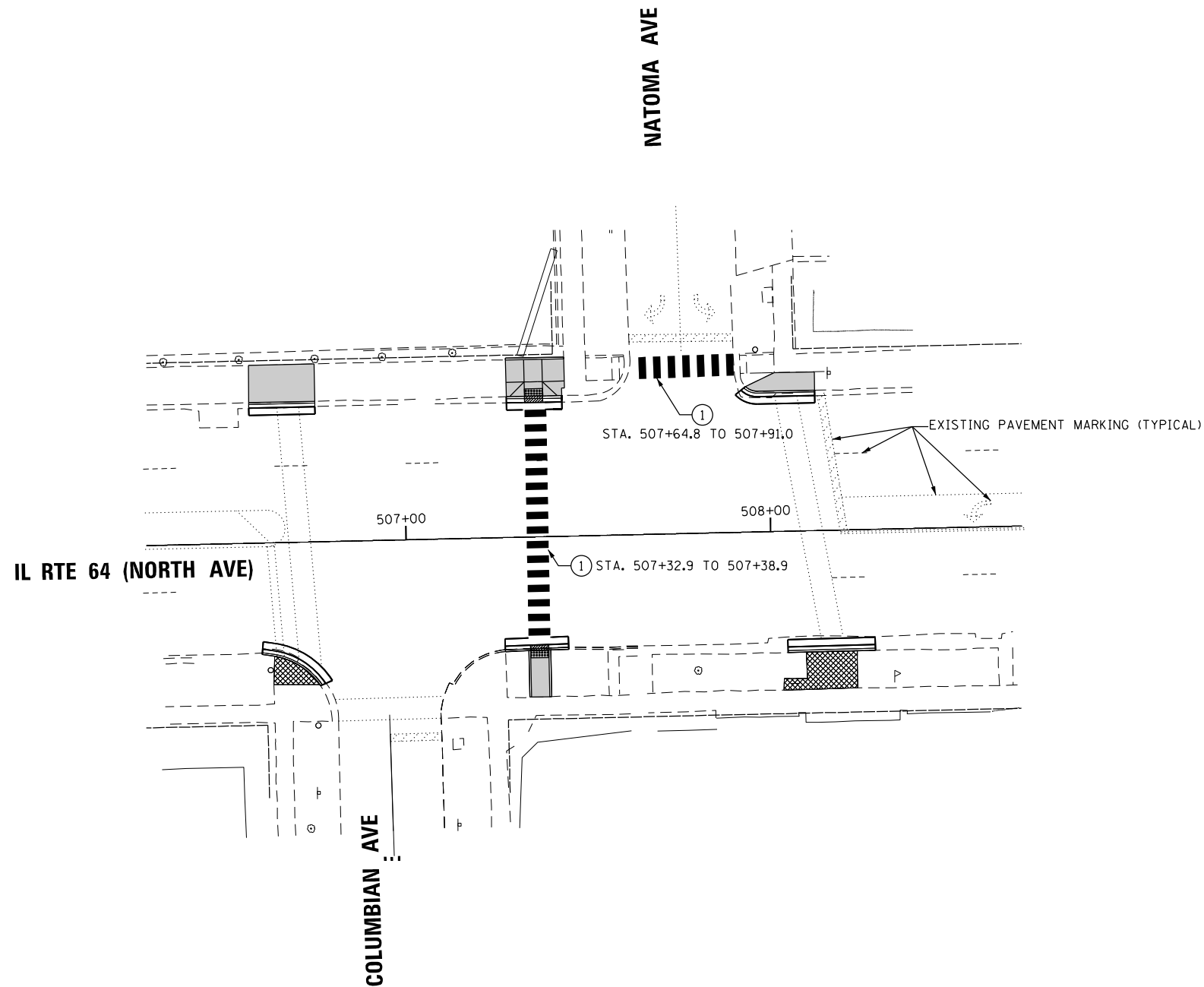
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PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
IL RTE 64 (NORTH AVE) AND FOREST PRESERVE ENT /MENARDS PLZ**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	129
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



LEGEND:

- ① THERMOPLASTIC PAVEMENT MARKING - 6 FT WIDE CROSSWALK
(6FT X 2FT - SKIP 2FT)(WHITE, SOLID)(78000650)

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	PLOT SCALE = 40.0000' / in.	CHECKED - MS DATE - 3/22/2024	REVISED - REVISED -		SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 62N40			FED. ROAD DIST. NO. . ILLINOIS FED. AID PROJECT			
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -										

REMOVAL AND RELOCATION NOTES:

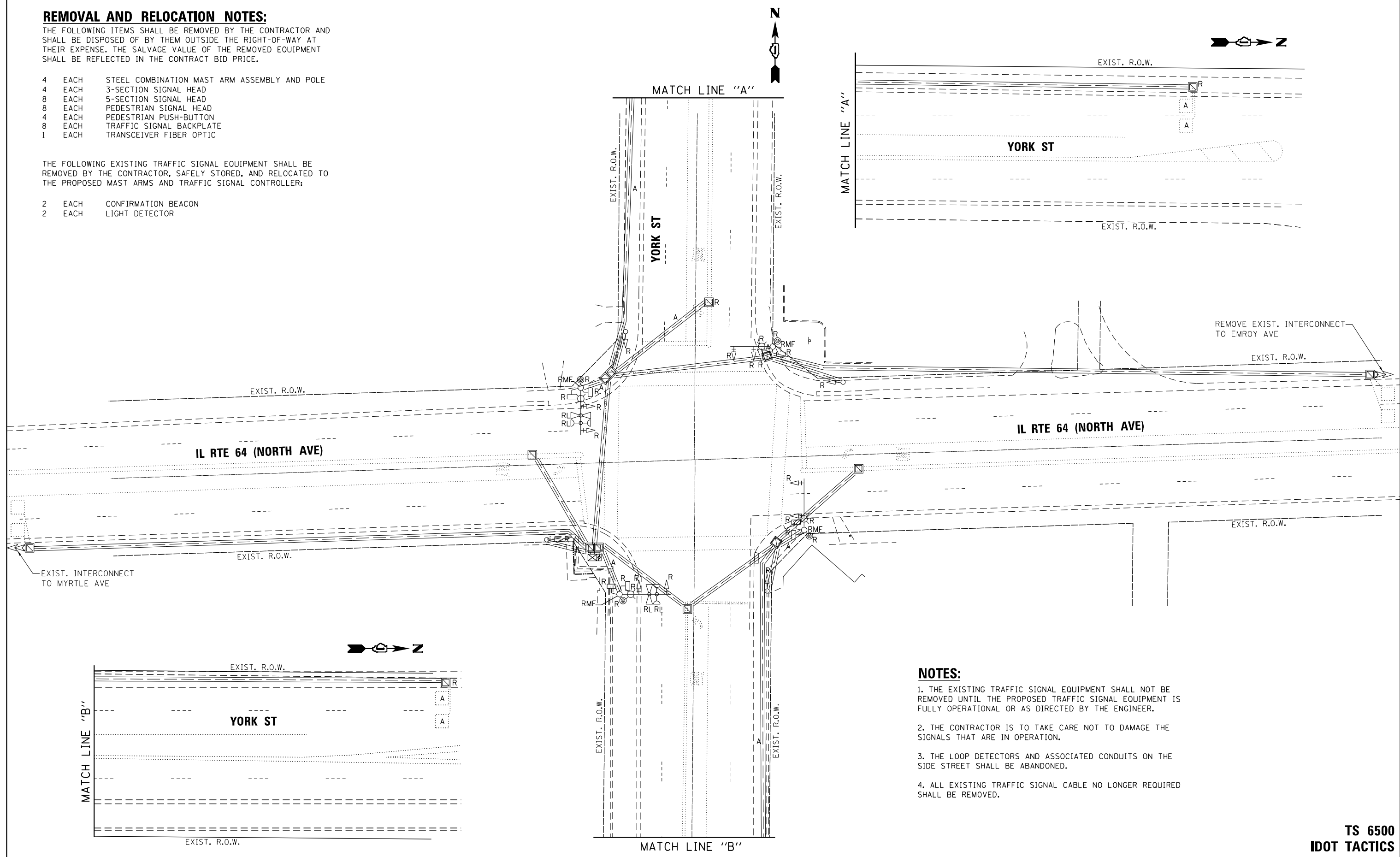
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR

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NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

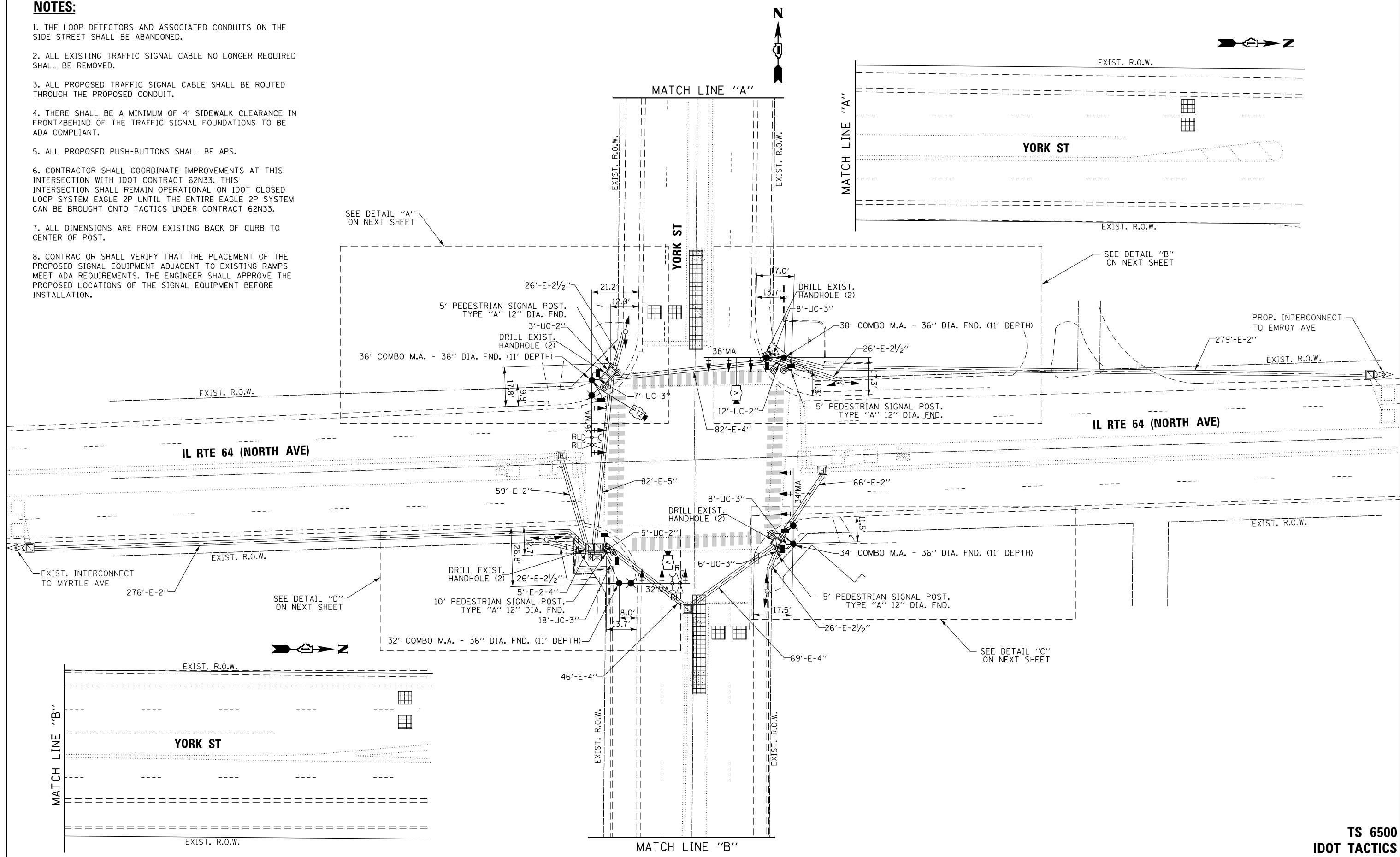
**TS 6500
IDOT TACTICS
FORMER EAGLE 2P**

 GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 5015 N. NORTHWEST HIGHWAY SUITE 206 CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 64 (NORTH AVE) AT YORK ST	F.A.P. RTE. 307	SECTION 2020-263-SUR, SW&TS	COUNTY COOK	TOTAL SHEETS 492	SHEET NO. 131
	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -			CONTRACT NO. 62N40				
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -	SCALE: 1"=20'							
						SHEET NO. OF SHEETS STA. TO STA.				
						FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

NOTES:

1. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
4. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
5. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
6. CONTRACTOR SHALL COORDINATE IMPROVEMENTS AT THIS INTERSECTION WITH IDOT CONTRACT 62N33. THIS INTERSECTION SHALL REMAIN OPERATIONAL ON IDOT CLOSED LOOP SYSTEM EAGLE 2P UNTIL THE ENTIRE EAGLE 2P SYSTEM CAN BE BROUGHT ONTO TACTICS UNDER CONTRACT 62N33.
7. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
8. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.

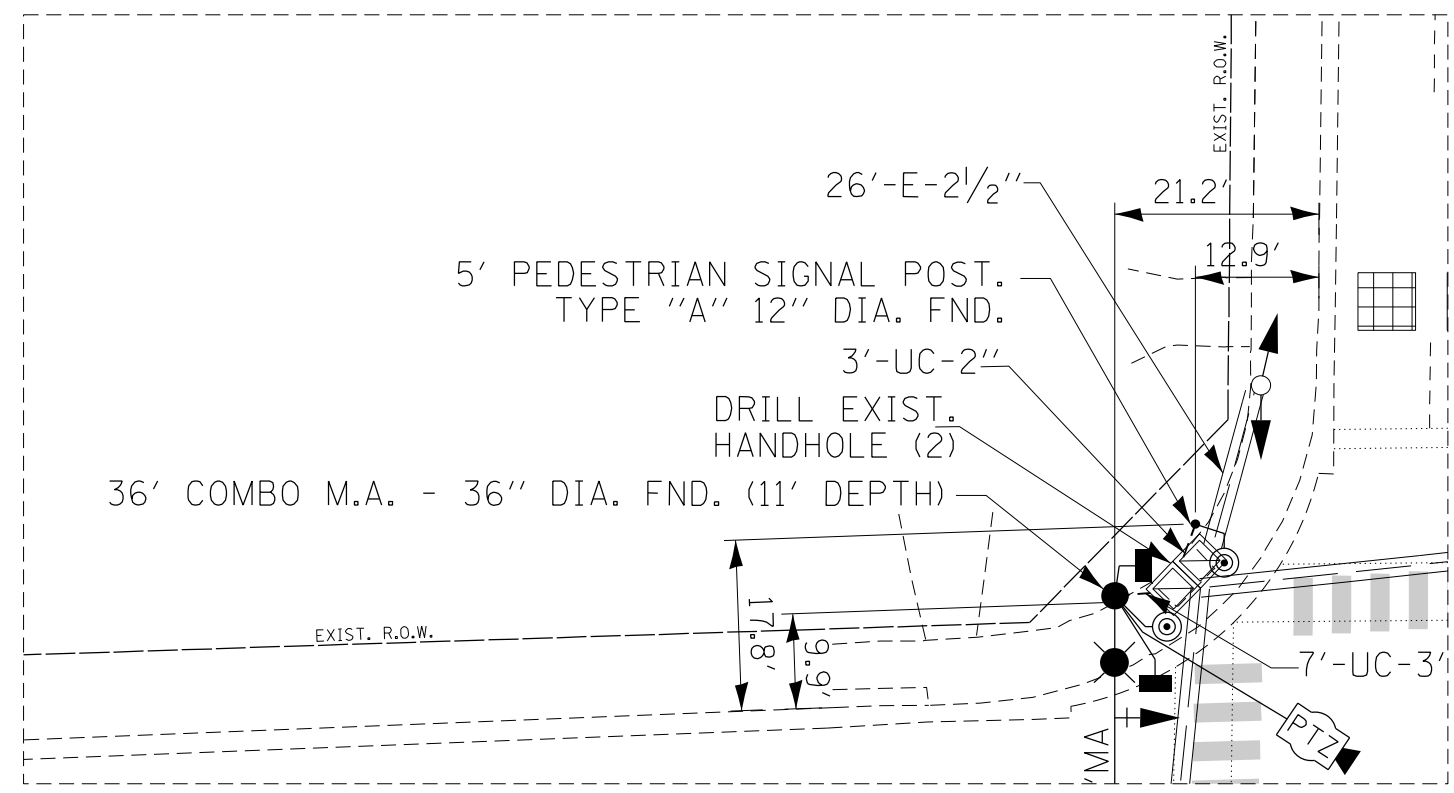
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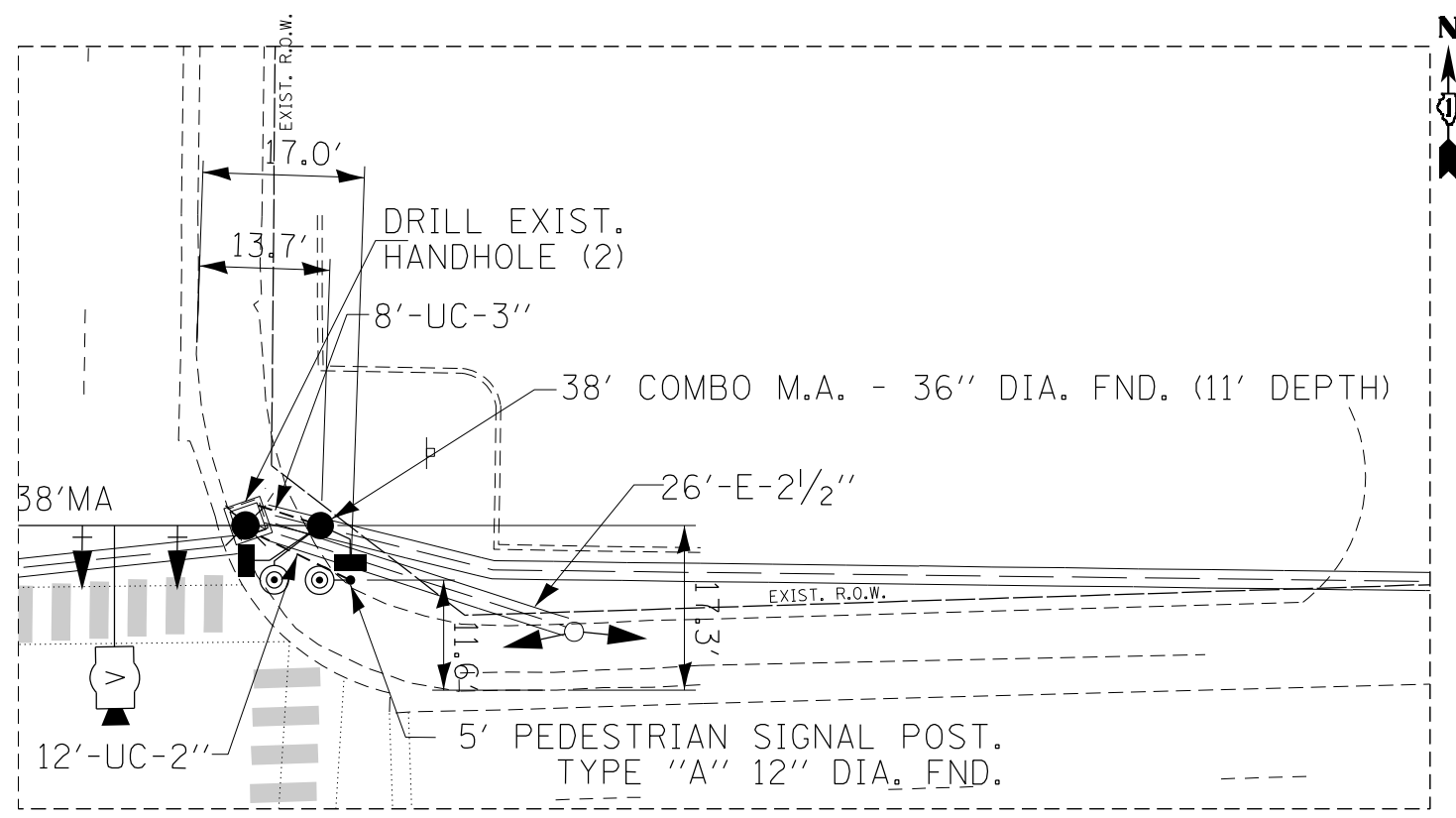
TS 6500
IDOT TACTICS
FORMER EAGLE 2P

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PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -	REVISED -	SCALE: 1"=20'	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	COUNTY COOK	TOTAL SHEETS 492	SHEET NO. 132

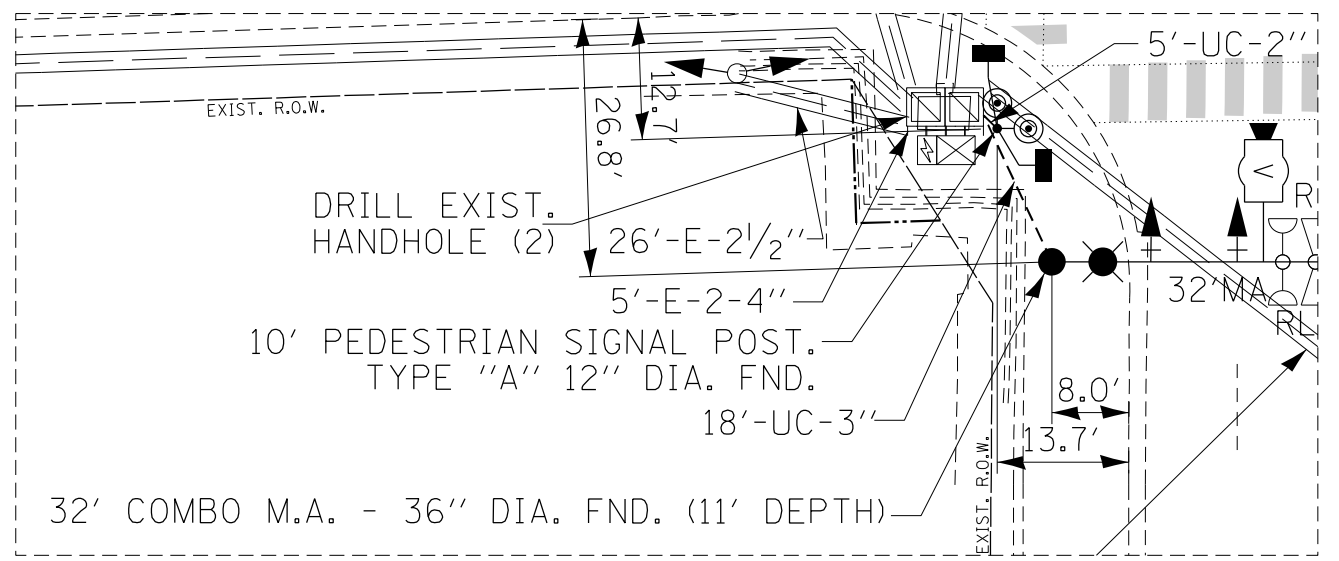
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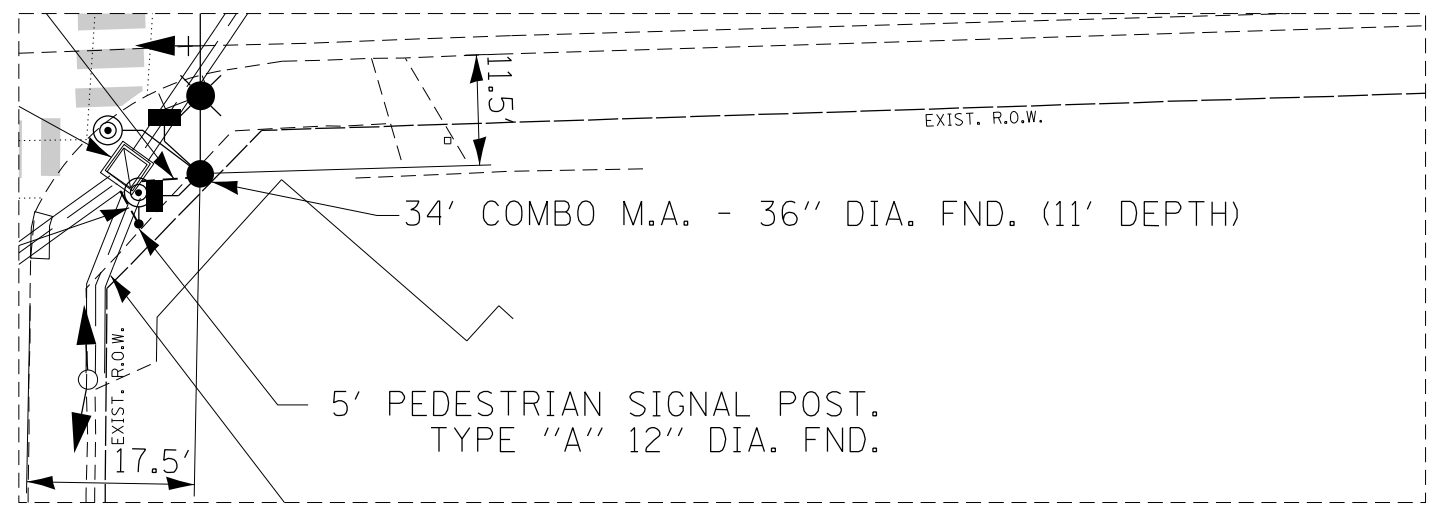
DETAIL A



DETAIL B



DETAIL D



DETAIL C



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DRAWN - AV, EA	REVISIONS -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

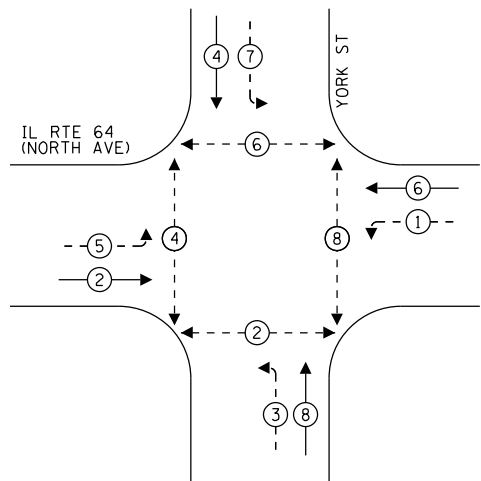
TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT YORK ST-DETAILS

SCALE: 1"=10' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	133
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

TS 6500
IDOT TACTICS
FORMER EAGLE 2P

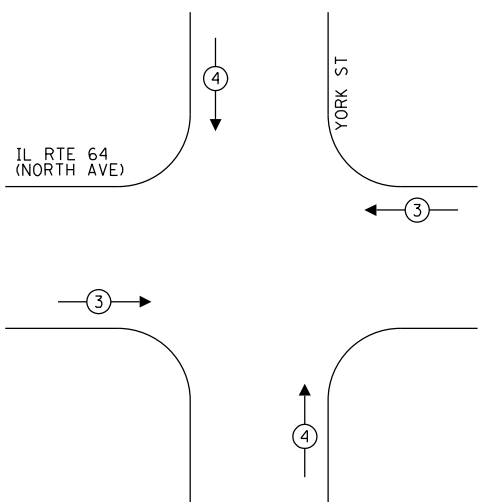
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ⊙ * PROTECTED PHASE
- ⊙ * - PROTECTED/PERMITTED PHASE
- ⊙ * - PEDESTRIAN PHASE
- ⊙ * OL OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

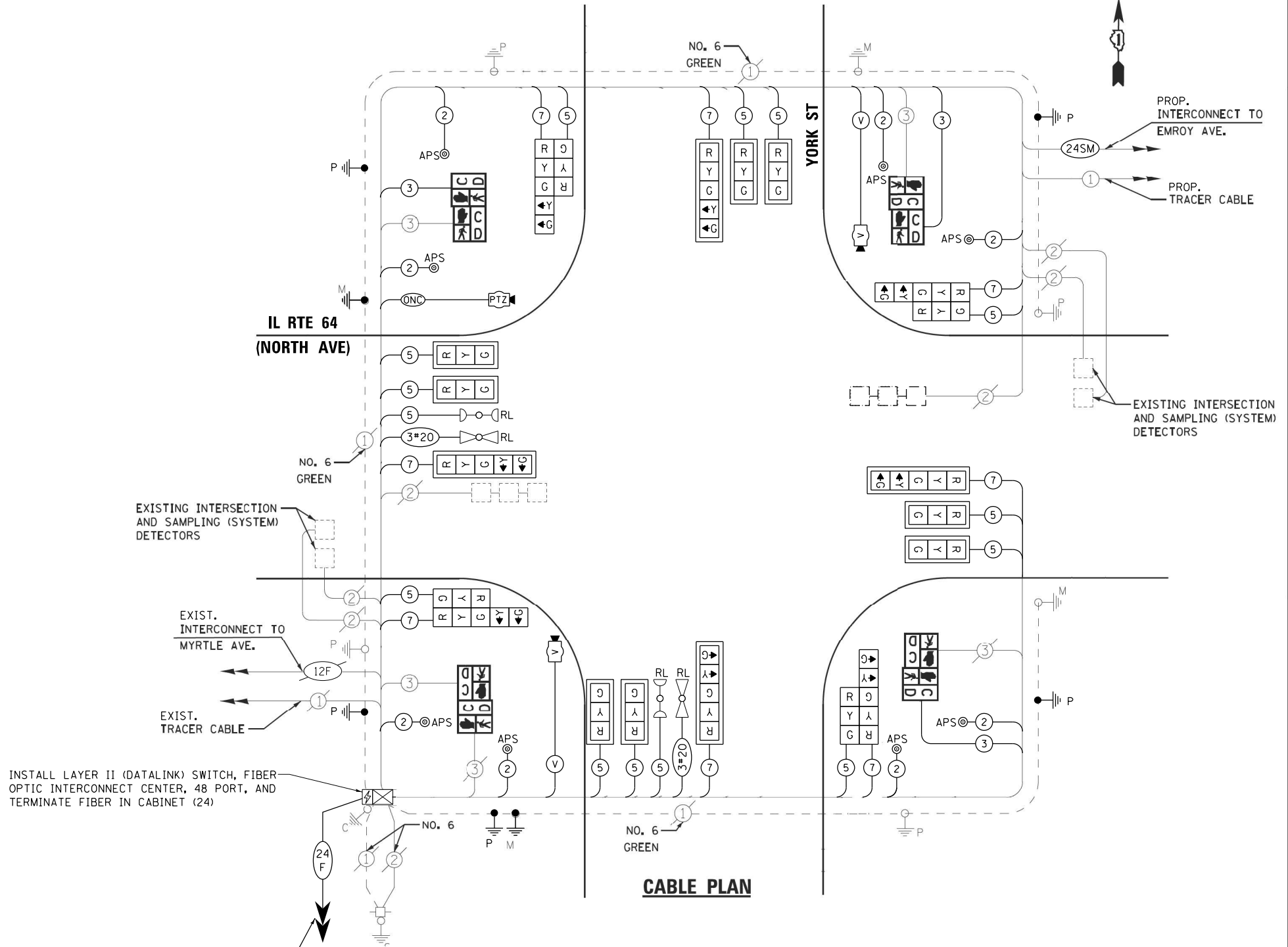


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			606
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	4	240	960
TOTAL SERVICE WIRE SIZING			2171

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: 630-424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER:
 METER NUMBER:

IL RTE 64 (NORTH AVE)



CABLE PLAN

INSTALL LAYER II (DATALINK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (24)

PROP LATERAL TO COMMS VAULT

NOTES:

- ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
 EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 64 (NORTH AVE) AT YORK ST

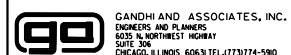
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	134
CONTRACT NO. 62N40				

FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT

TS 6500
 IDOT TACTICS
 FORMER EAGLE 2P

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 DRAWN - AV, EA
 CHECKED - MS
 DATE - 3/22/2024

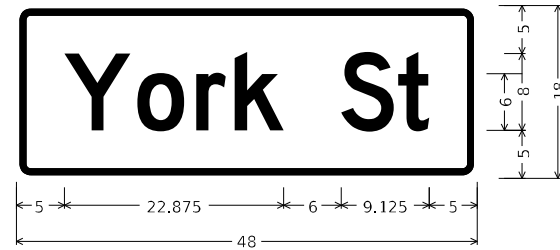
REVISED -
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SIGN PANEL – TYPE 1 OR TYPE 2

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	2



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

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SO FT	12
SIGN PANEL - TYPE 1	SO FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	26
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	41
ELECTRIC CABLE IN CONDUIT, 600 V, (XLP-TYPE USE) 1/C NO. 10	FOOT	1096
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1505
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1440
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2061
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1421
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	552
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	44
DRILL EXISTING HANDHOLE	EACH	8
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	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	EACH	2664
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	270
OUTDOOR RATED NETWORK CABLE	FOOT	180
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
LED SIGNAL FACE VISOR HEATER	EACH	20
TACTICS LICENSE EXPANSION	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4

* 100% COST TO THE CITY OF ELMHURST

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4001 WILSON ROAD, SUITE 600
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PHONE: (847) 485-1000
WWW.KIMLEY-HORN.COM

USER NAME = joel.turk	DESIGNED - AMK	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - SS	REVISED -
PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND YORK ST

SCALE: SHEET 1 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	135
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

TS 6500
IDOT TATICS
FORMER EAGLE 2P

REMOVAL AND RELOCATION NOTES:

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

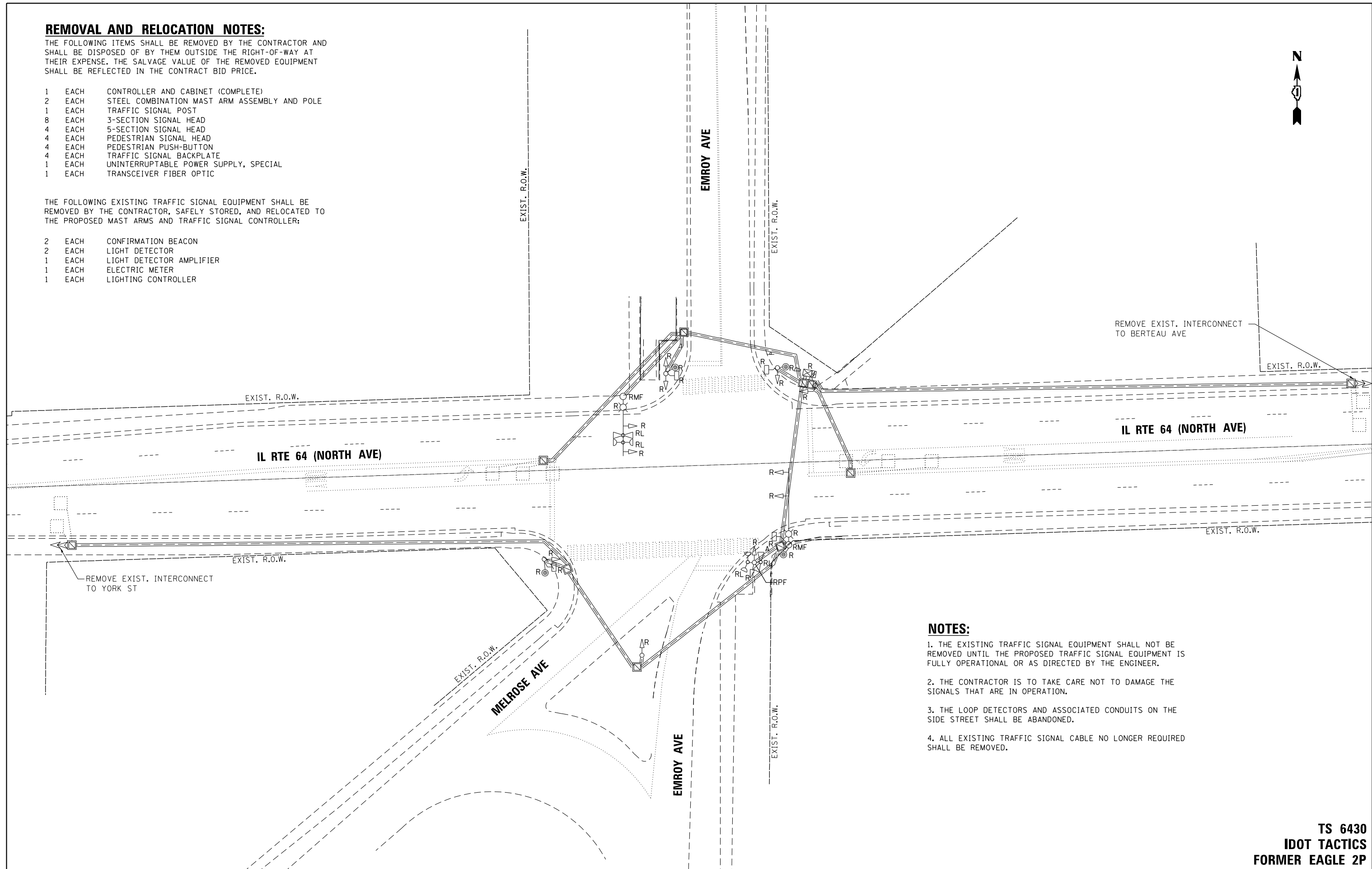
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 1 EACH TRAFFIC SIGNAL POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
- 1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 1 EACH ELECTRIC METER
- 1 EACH LIGHTING CONTROLLER




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NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

TS 6430
IDOT TACTICS
FORMER EAGLE 2P

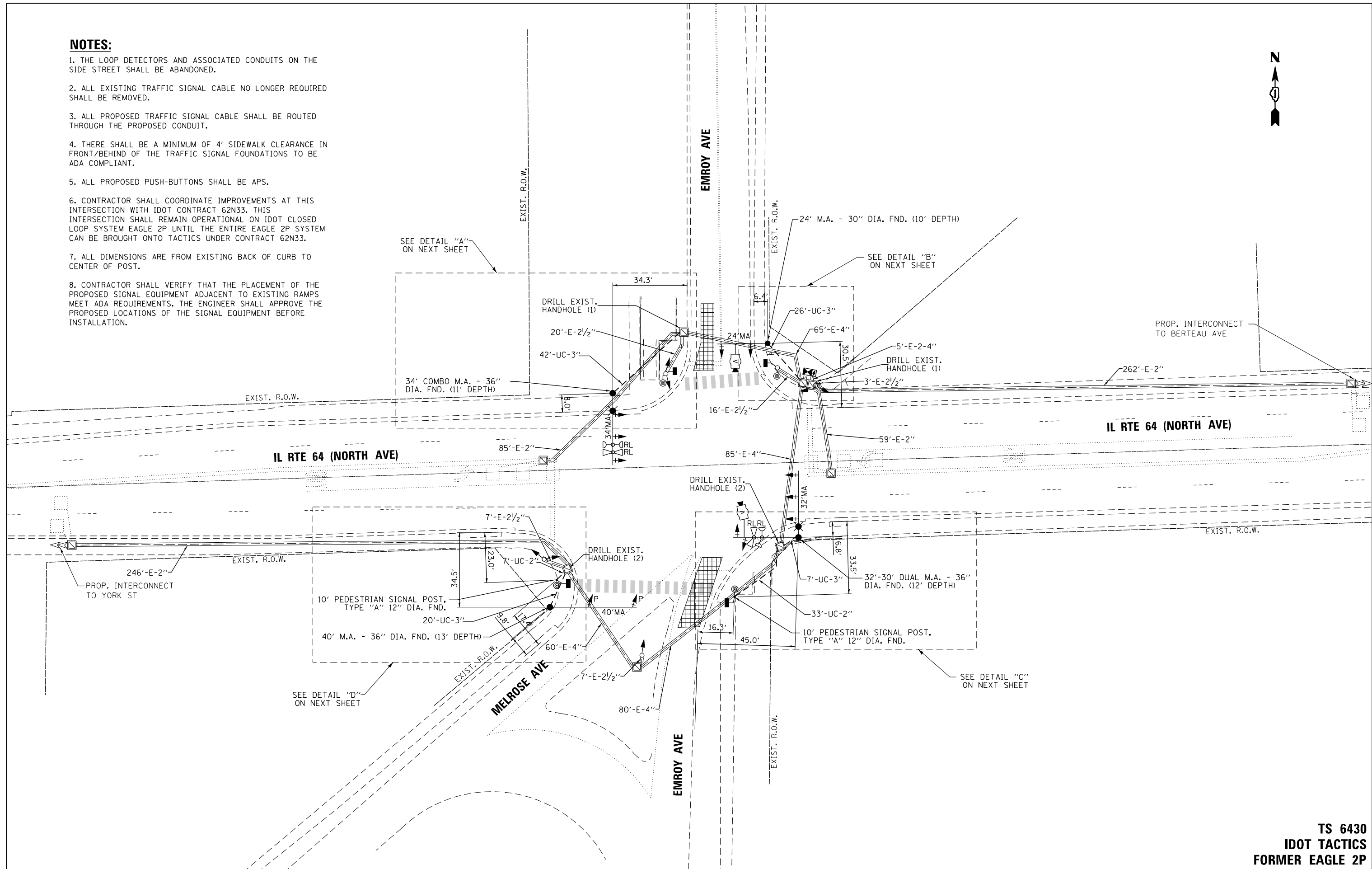
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	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISIED -			CONTRACT NO. 62N40	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			
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NOTES:

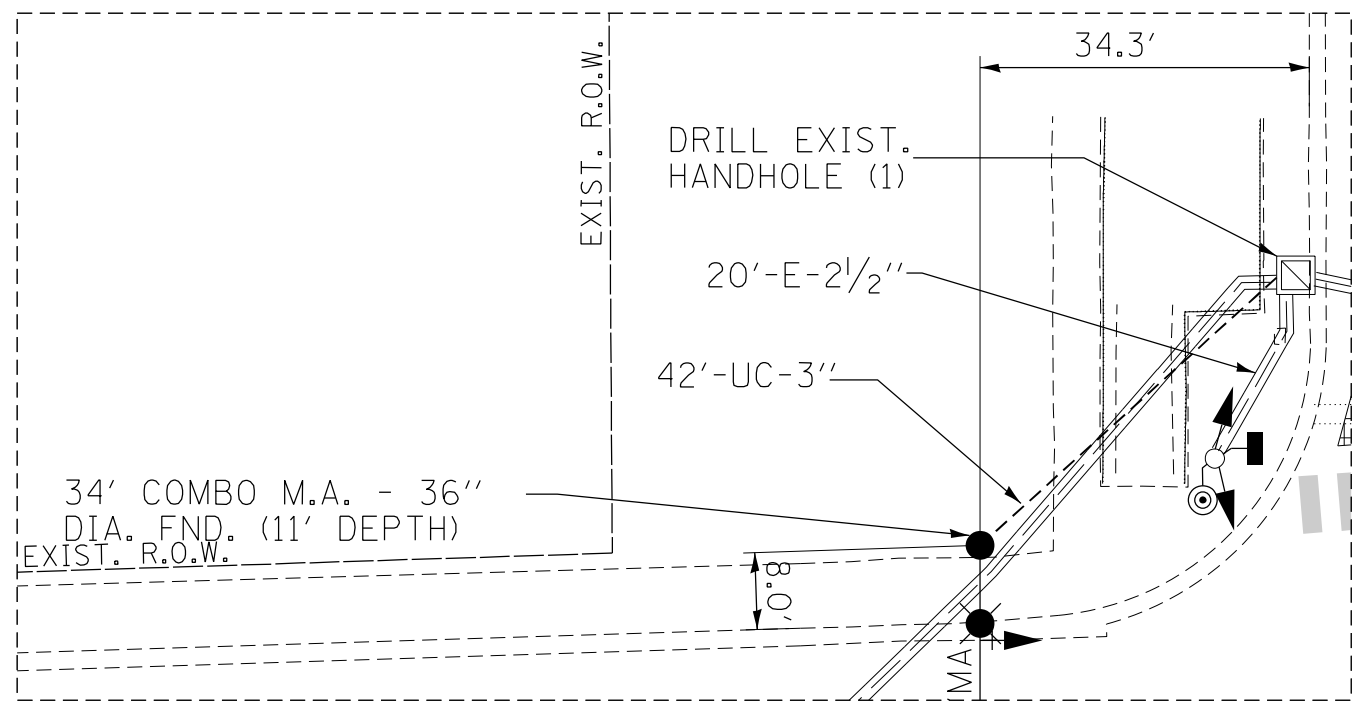
1. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
4. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
5. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
6. CONTRACTOR SHALL COORDINATE IMPROVEMENTS AT THIS INTERSECTION WITH IDOT CONTRACT 62N33. THIS INTERSECTION SHALL REMAIN OPERATIONAL ON IDOT CLOSED LOOP SYSTEM EAGLE 2P UNTIL THE ENTIRE EAGLE 2P SYSTEM CAN BE BROUGHT ONTO TACTICS UNDER CONTRACT 62N33.
7. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
8. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.

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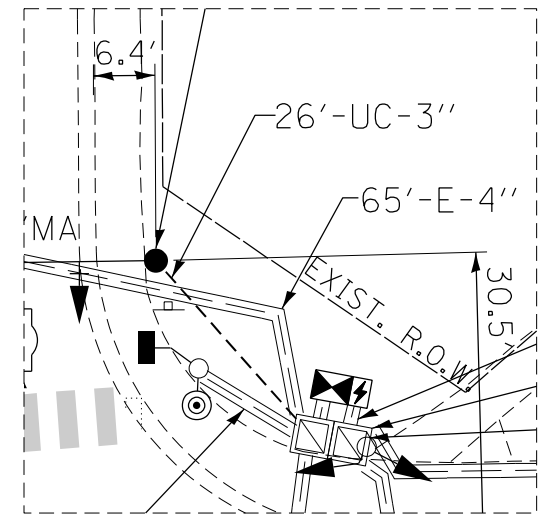


TS 6430
IDOT TACTICS
FORMER EAGLE 2P

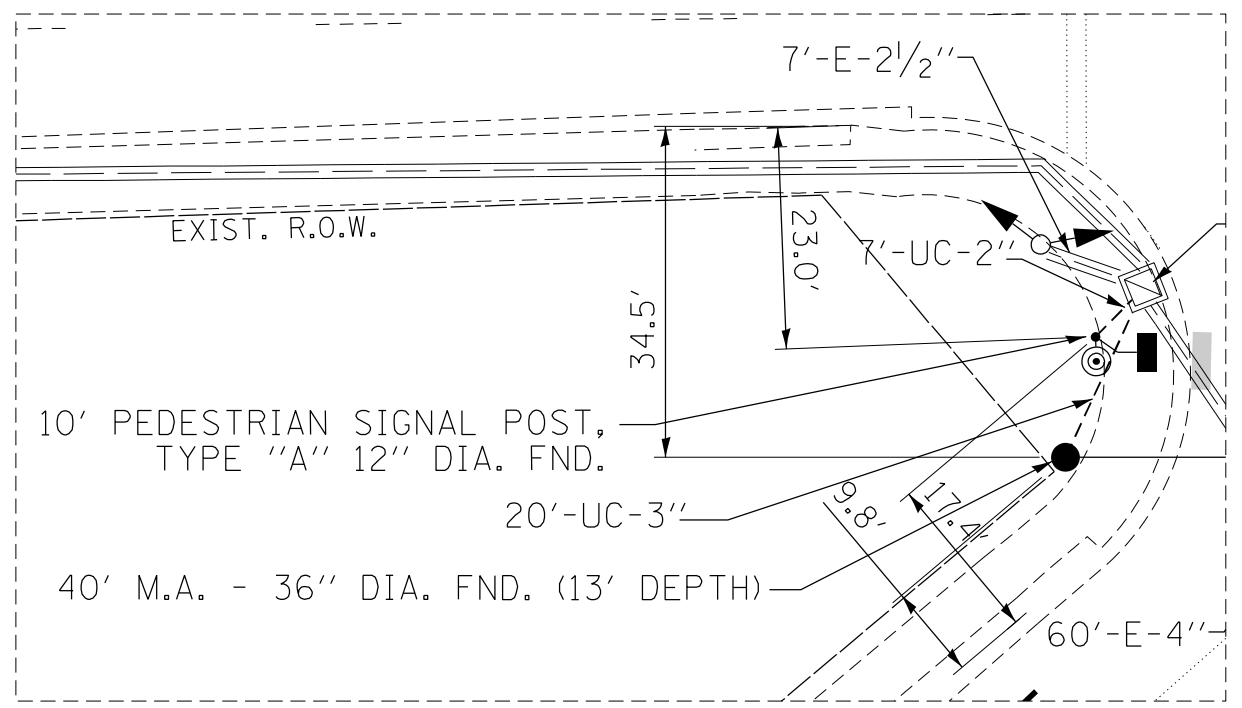
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	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA.	TO STA.	307	2020-263-SUR, SW&TS	COOK	492	137
	PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -		CONTRACT NO. 62N40	FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT								



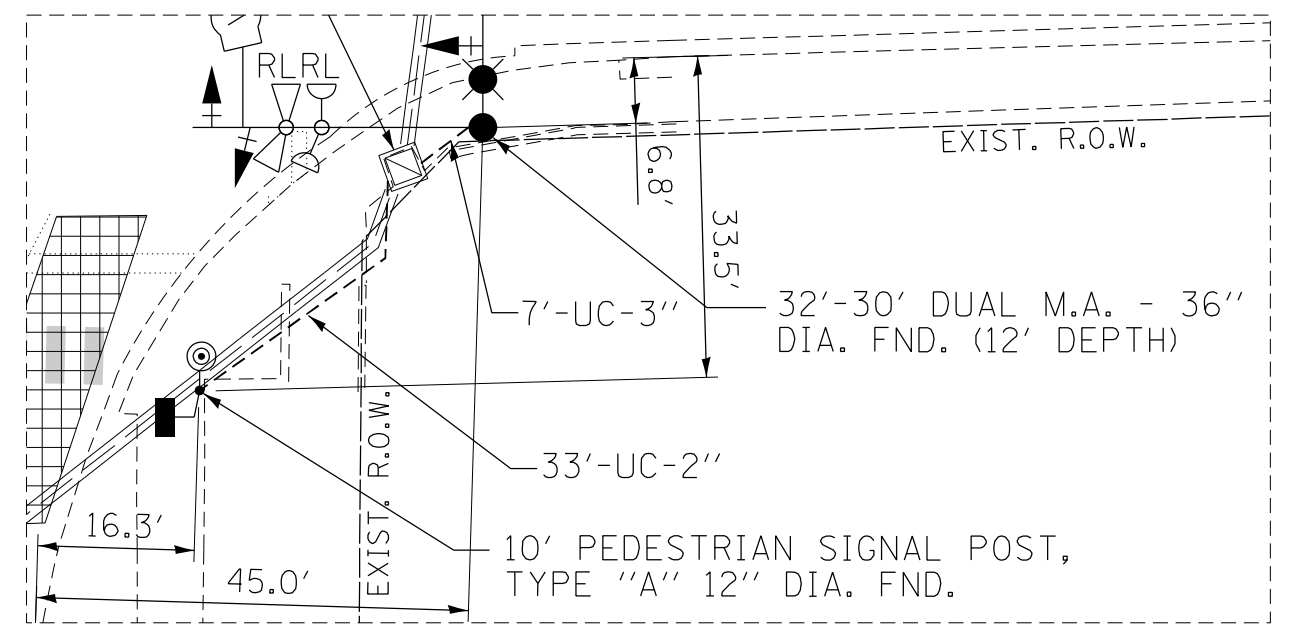
DETAIL A



DETAIL B



DETAIL D



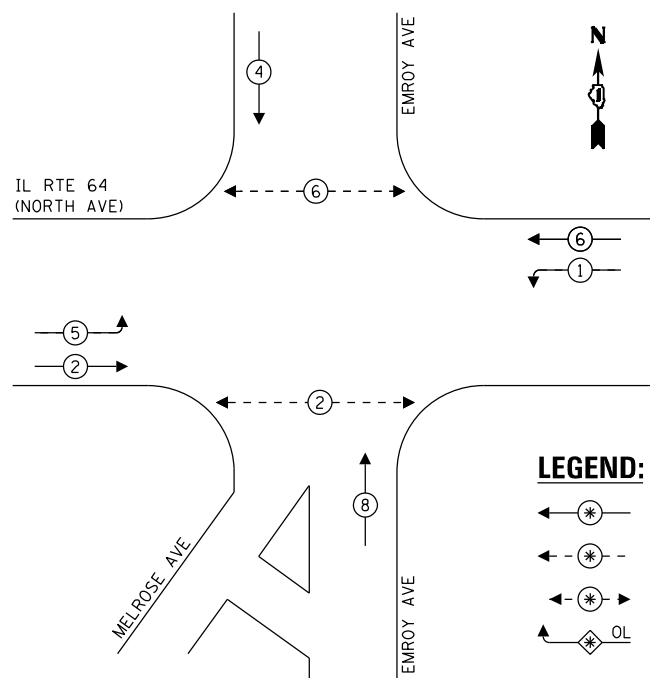
DETAIL C

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	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 64 (NORTH AVE) AT EMROY AVE/MELROSE AVE-DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -					307	2020-263-SUR, SW&TS	COOK	492	138
	PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -					CONTRACT NO. 62N40				
					SCALE: 1"=10'	SHEET NO.	OF SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

TS 6430
IDOT TACTICS
FORMER EAGLE 2P

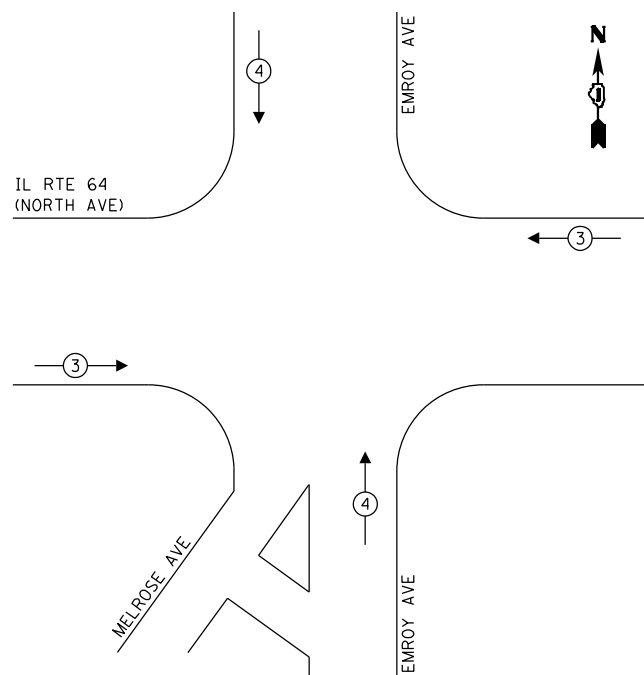
EXISTING CONTROLLER SEQUENCE



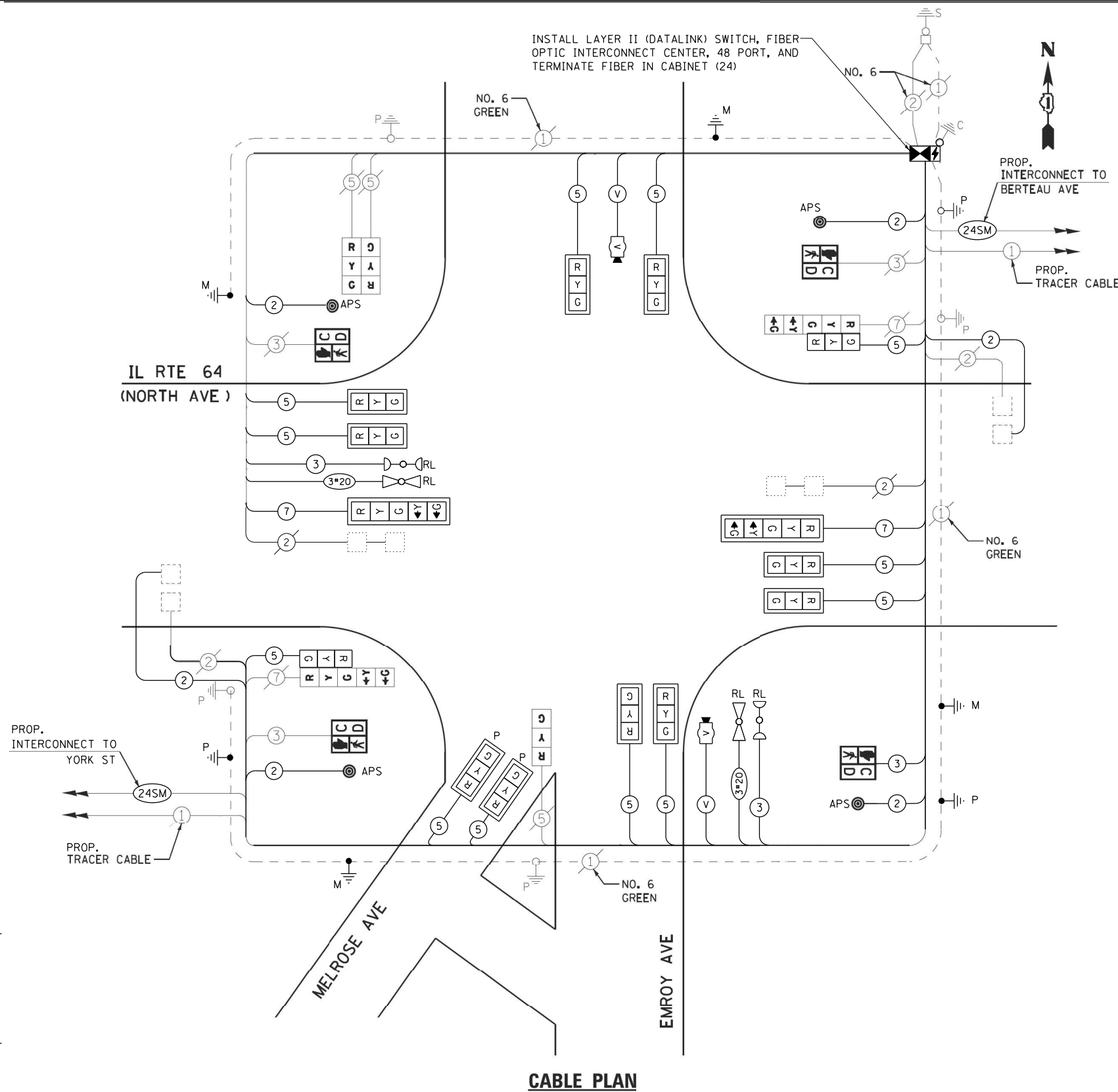
LEGEND:

- ← (circle with star) → PROTECTED PHASE
- ← (circle with star and dash) → PROTECTED/PERMITTED PHASE
- ← (circle with star and arrow) → PEDESTRIAN PHASE
- ← (circle with star and OL) → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



INSTALL LAYER II (DATALINK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (24)



CABLE PLAN

NOTES:

1. ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	13	11	143
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	2	22	44
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION			
RADAR	-	20	-
VIDEO	2	20	40
BLANK-OUT SIGN			
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			549
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	2	240	480
TOTAL SERVICE WIRE SIZING			1634

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: 630-424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER:
 METER NUMBER:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
 EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 64 (NORTH AVE) AT EMROY AVE/MELROSE AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	139
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

TS 6430
 IDOT TACTICS
 FORMER EAGLE 2P

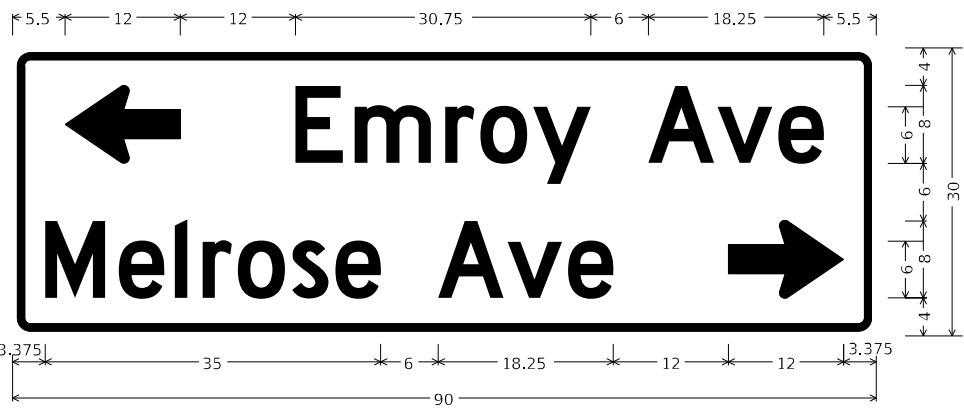
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SIGN PANEL – TYPE 1 OR TYPE 2

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	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.75	2	ZZ	1

NOTE: INSTALL THIS SIGN ON THE EASTBOUND MAST ARM.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.75	2	ZZ	1

NOTE: INSTALL THIS SIGN ON THE WESTBOUND MAST ARM.

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 2	SQ FT	62.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	40
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	95
ELECTRIC CABLE IN CONDUIT, 600 V, (XLP-TYPE USE) 1/C NO. 10	FOOT	526
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	609
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	801
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2134
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	365
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	812
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	343
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 32 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	36
DRILL EXISTING HANDHOLE	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
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
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	6
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* 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	EACH	985
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	348
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
LED SIGNAL FACE VISOR HEATER	EACH	19
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2

* 100% COST TO THE CITY OF ELMHURST

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USER NAME = joelturk	DESIGNED - AMK	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - SS	REVISED -
PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND EMROY AVE /MELROSE AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	140
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

TS 6430
IDOT TACTICS
FORMER EAGLE 2P

SCALE: SHEET 1 OF SHEETS STA. TO STA.

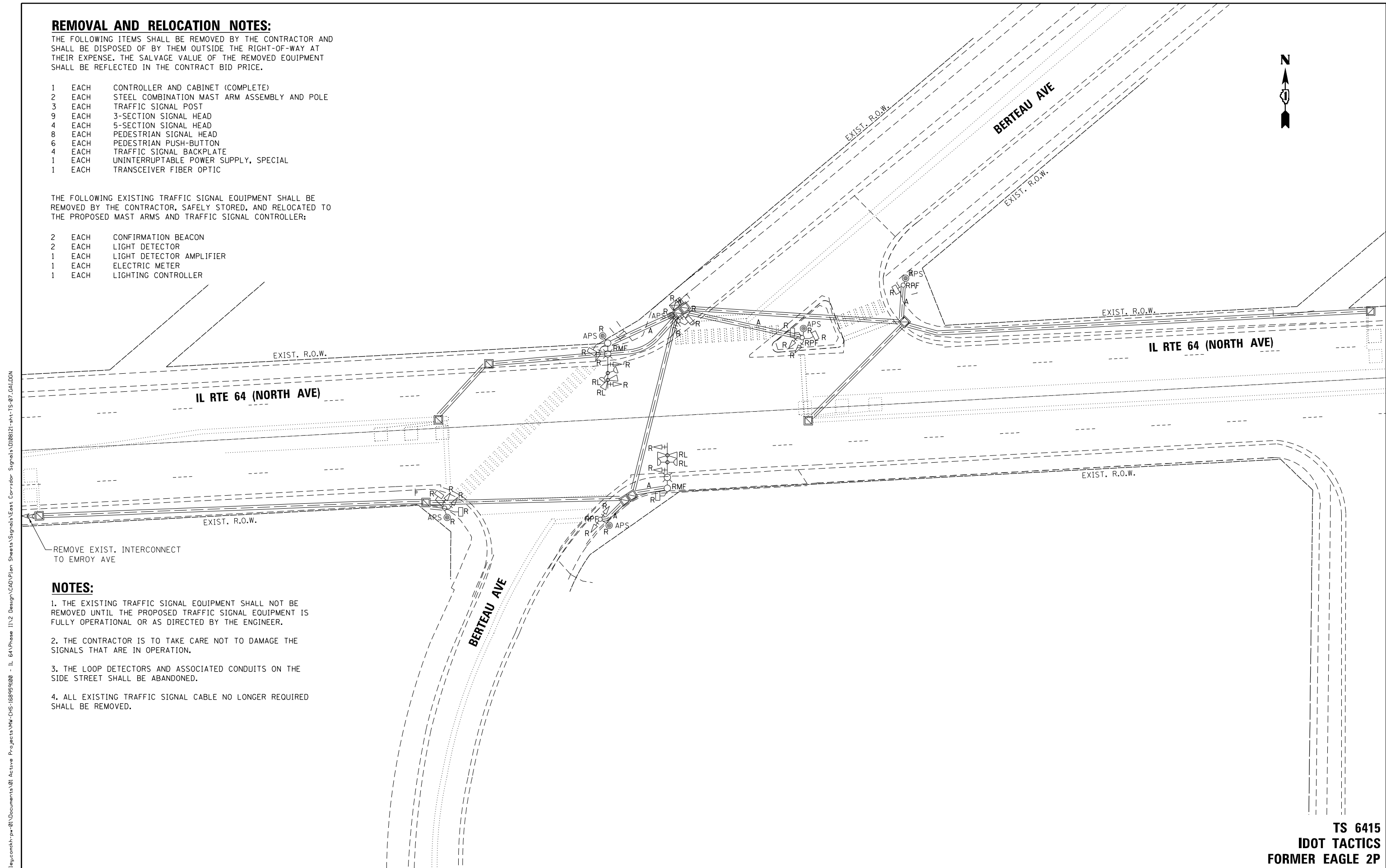
REMOVAL AND RELOCATION NOTES:

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

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 9 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
- 1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 1 EACH ELECTRIC METER
- 1 EACH LIGHTING CONTROLLER



NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

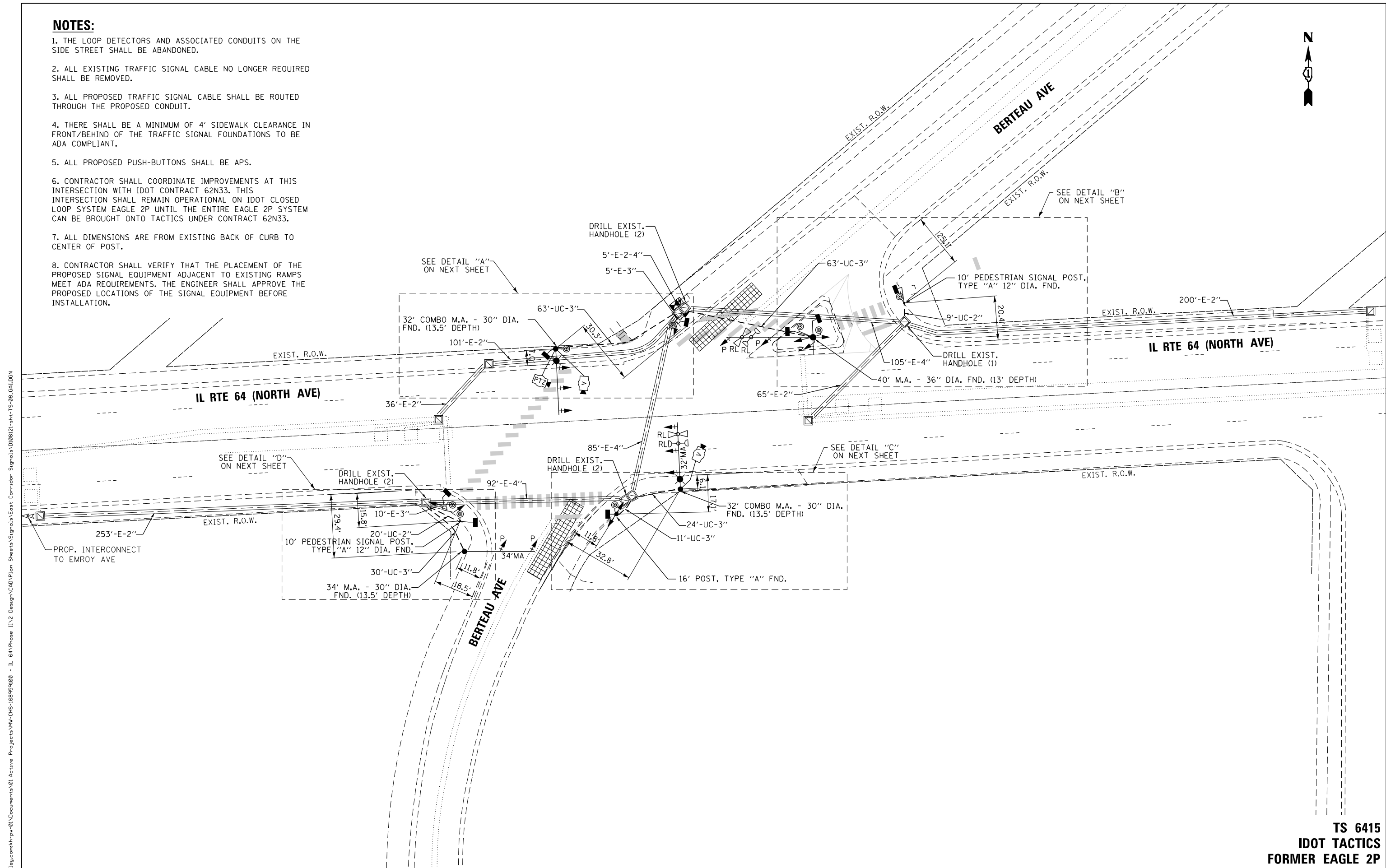
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**TS 6415
IDOT TACTICS
FORMER EAGLE 2P**

	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 64 (NORTH AVE) AT BERTEAU AVE	F.A.P. RTE. 307	SECTION 2020-263-SUR, SW&TS	COUNTY COOK	TOTAL SHEETS 492	SHEET NO. 141
	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -			CONTRACT NO. 62N40				
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -	FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT							
						SCALE: 1"=20'	SHEET NO. OF SHEETS STA. TO STA.			

NOTES:

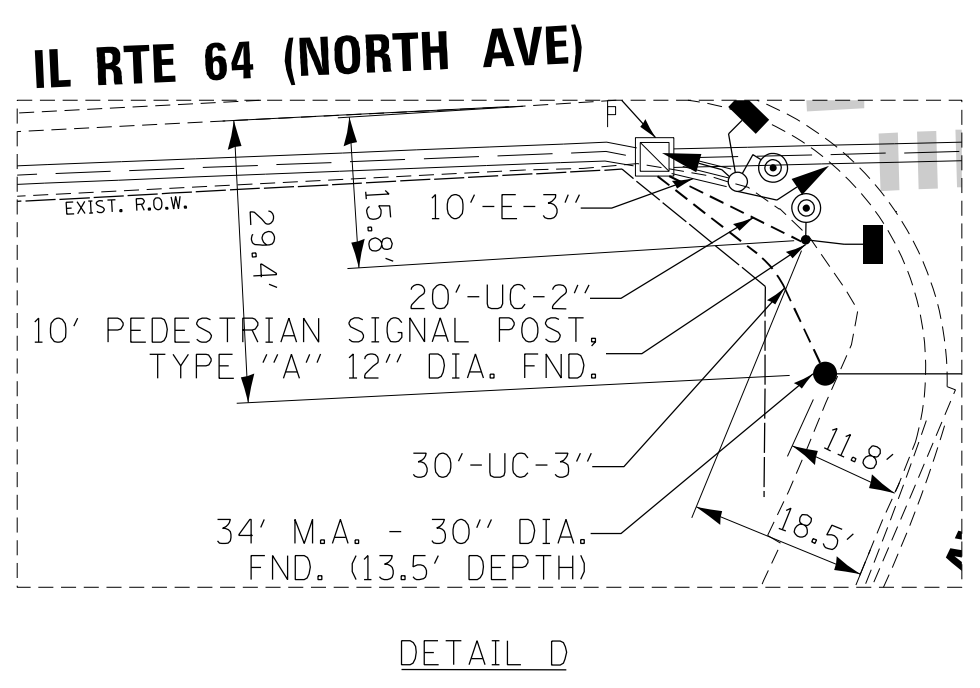
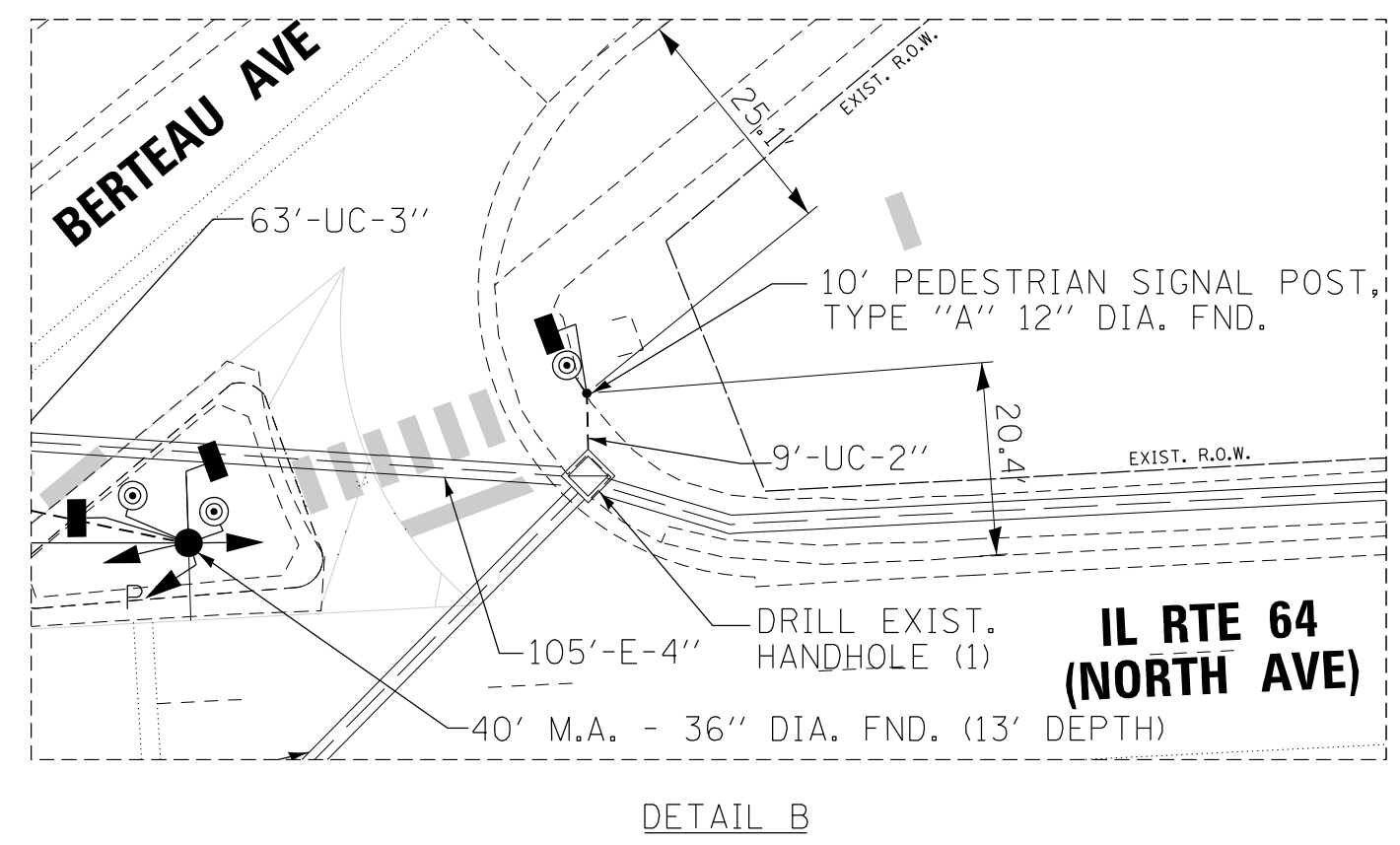
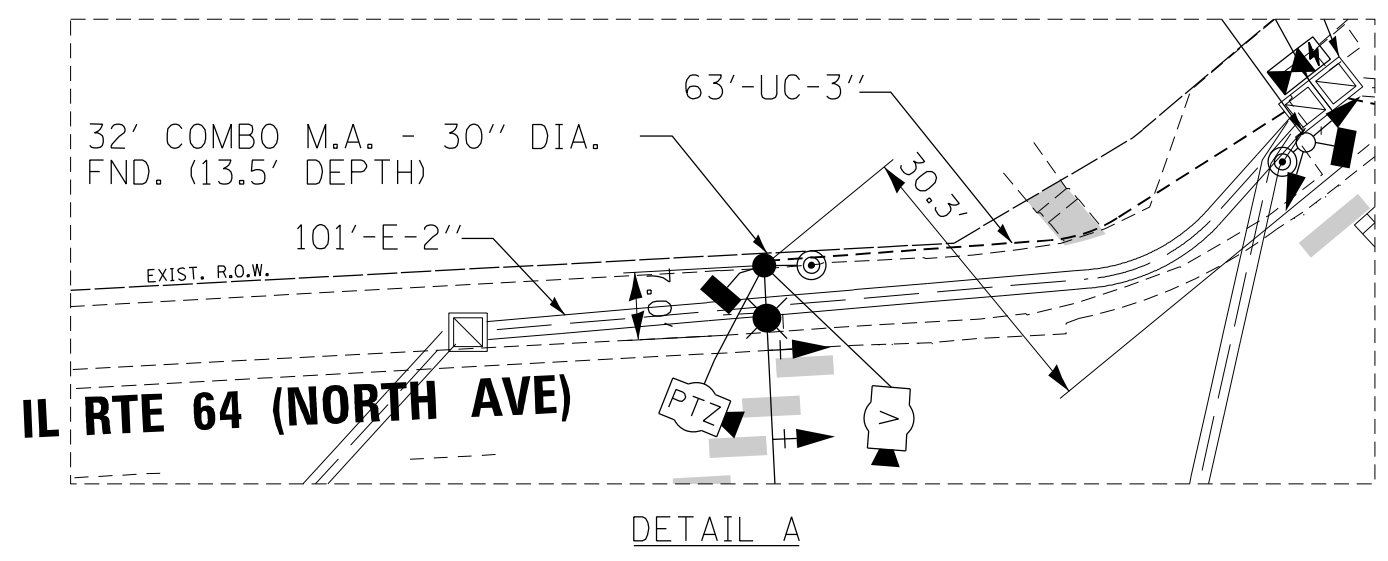
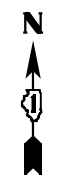
1. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
4. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
5. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
6. CONTRACTOR SHALL COORDINATE IMPROVEMENTS AT THIS INTERSECTION WITH IDOT CONTRACT 62N33. THIS INTERSECTION SHALL REMAIN OPERATIONAL ON IDOT CLOSED LOOP SYSTEM EAGLE 2P UNTIL THE ENTIRE EAGLE 2P SYSTEM CAN BE BROUGHT ONTO TACTICS UNDER CONTRACT 62N33.
7. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
8. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.



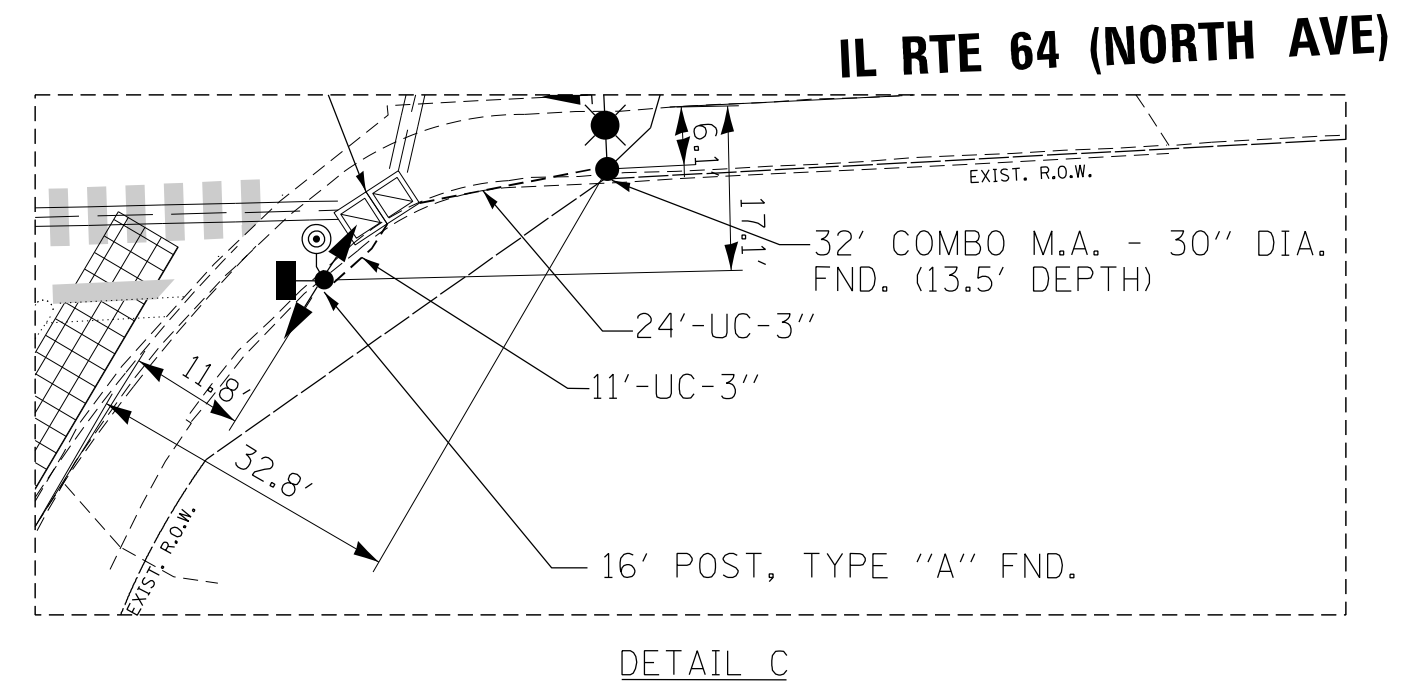
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TS 6415
IDOT TACTICS
FORMER EAGLE 2P

	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 64 (NORTH AVE) AT BERTEAU AVE	F.A.P. RTE. 307	SECTION 2020-263-SUR, SW&TS	COUNTY COOK	TOTAL SHEETS 492	SHEET NO. 142
	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 62N40	
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -	FED. ROAD DIST. NO. -			ILLINOIS FED. AID PROJECT				



BERTEAU AVE



FILE NAME = ...



USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
DRAWN - AV, EA	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

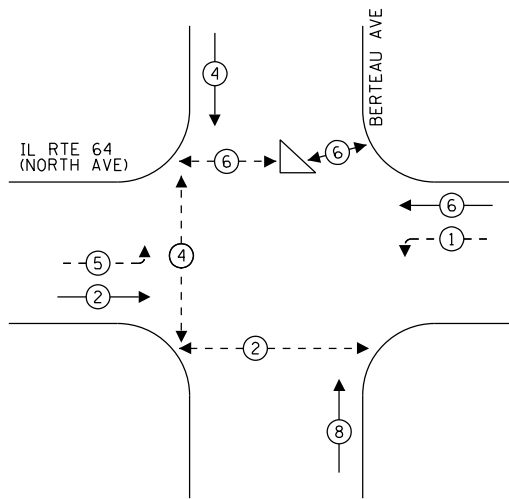
TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT BERTEAU AVE-DETAILS

SCALE: 1"=10' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	143
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

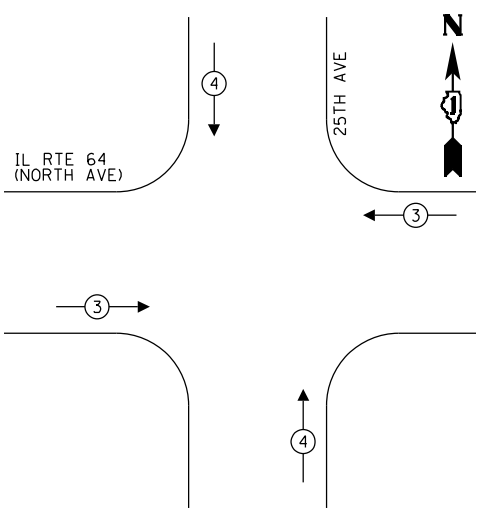
TS 6415
IDOT TACTICS
FORMER EAGLE 2P

EXISTING CONTROLLER SEQUENCE



- LEGEND:**
- ← (circle with star) → PROTECTED PHASE
 - ← (circle with star and dash) → PROTECTED/PERMITTED PHASE
 - ← (circle with star and arrow) → PEDESTRIAN PHASE
 - ← (circle with star and diamond) → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

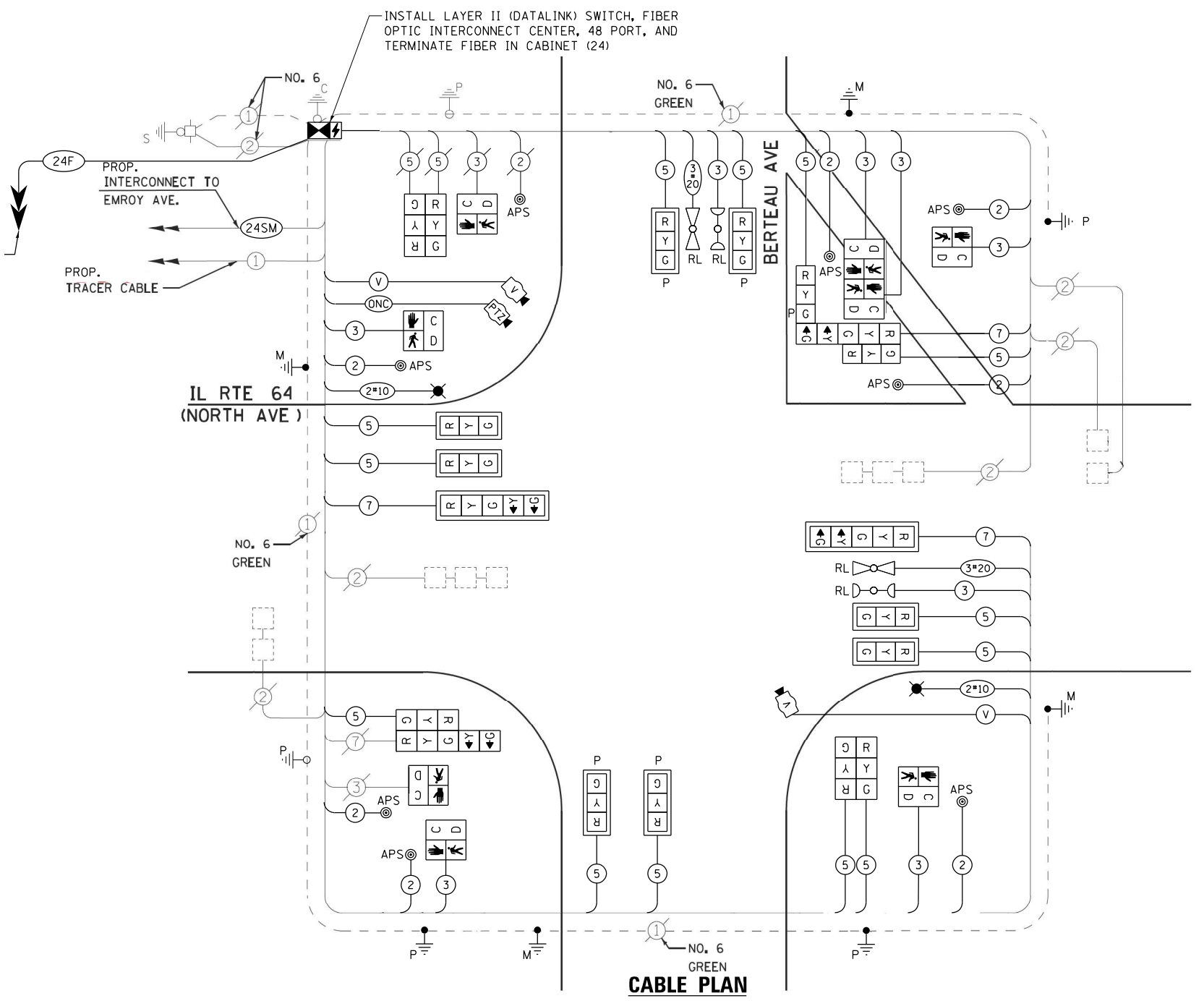


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TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	5	22	110
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			642
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	2	240	480
TOTAL SERVICE WIRE SIZING			1727

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: 630-424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER:
 METER NUMBER:



CABLE PLAN

- NOTES:**
- ONLY RED SIGNAL FACES SHALL HAVE HEATED VISOR INSTALLED.



USER NAME = \$USER\$
 DESIGNED - AV, EA
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 CHECKED - MS
 DATE - 3/22/2024

REVISED -
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL RTE 64 (NORTH AVE) AT BERTEAU AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	144
CONTRACT NO. 62N40				

TS 6415 IDOT TACTICS FORMER EAGLE 2P

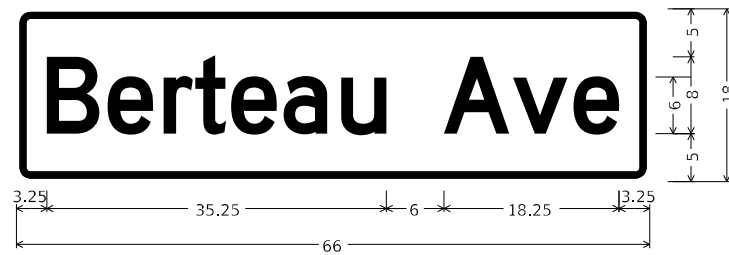


SIGN PANEL – TYPE 1 OR TYPE 2

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	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	16.5
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	29
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	191
ELECTRIC CABLE IN CONDUIT, 600 V. (XLP-TYPE USE) 1/C NO. 10	FOOT	470
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1060
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1203
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2216
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	436
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	698
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
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
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-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	6
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* 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	EACH	3103
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	339
OUTDOOR RATED NETWORK CABLE	FOOT	141
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
LED SIGNAL FACE HEATED VISOR	EACH	19
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2

* 100% COST TO THE CITY OF ELMHURST

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 PROJECT: ...
 USER: ...
 DATE: ...
 TIME: ...
 WWW.KIMLEY-HORN.COM



USER NAME = joel.turk	DESIGNED - AMK	REVISED -
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PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND BERTEAU AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	145
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

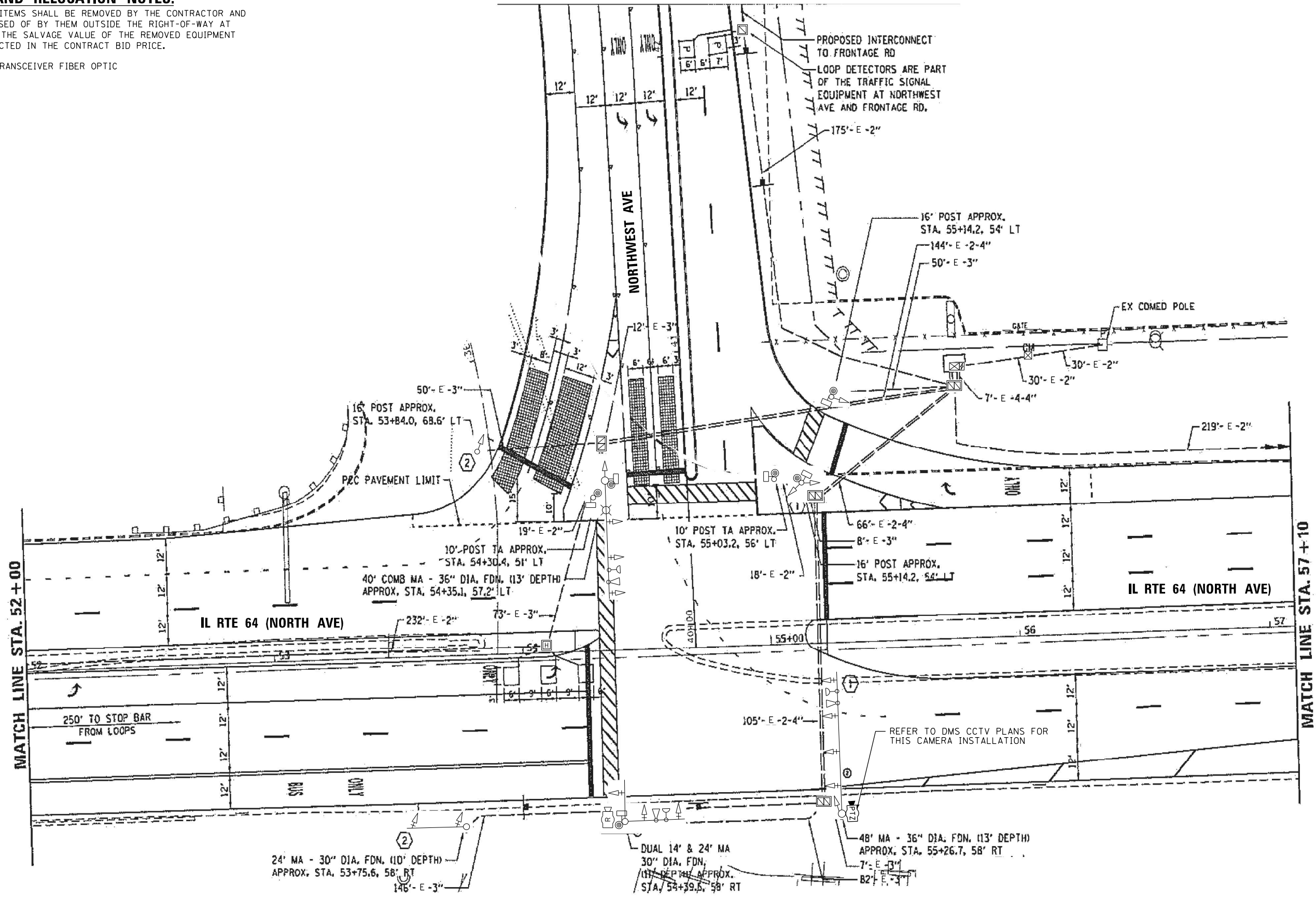
**TS 6415
IDOT TACTICS
FORMER EAGLE 2P**

SCALE: SHEET 1 OF SHEETS STA. TO STA.

REMOVAL AND RELOCATION NOTES:

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

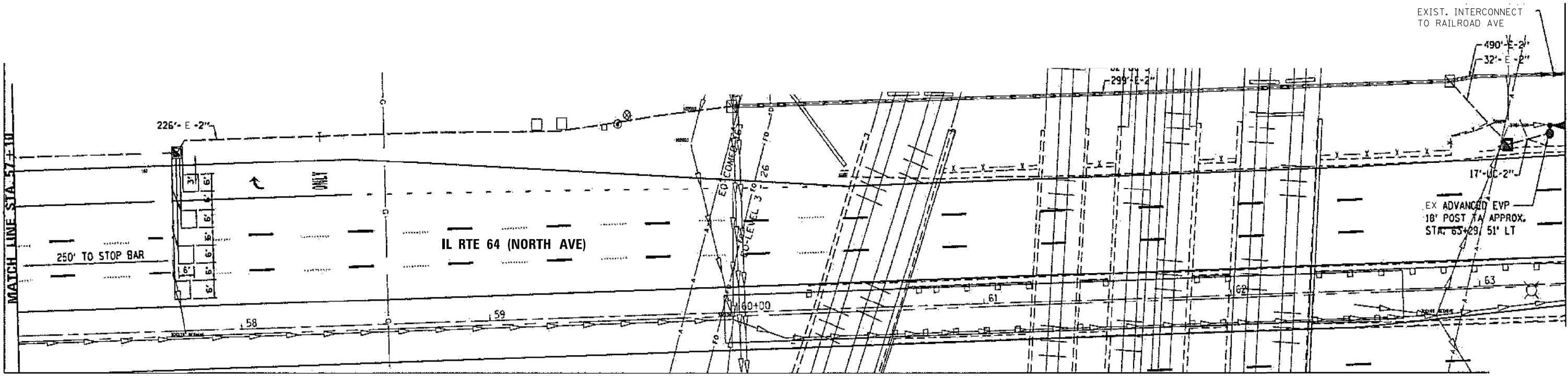
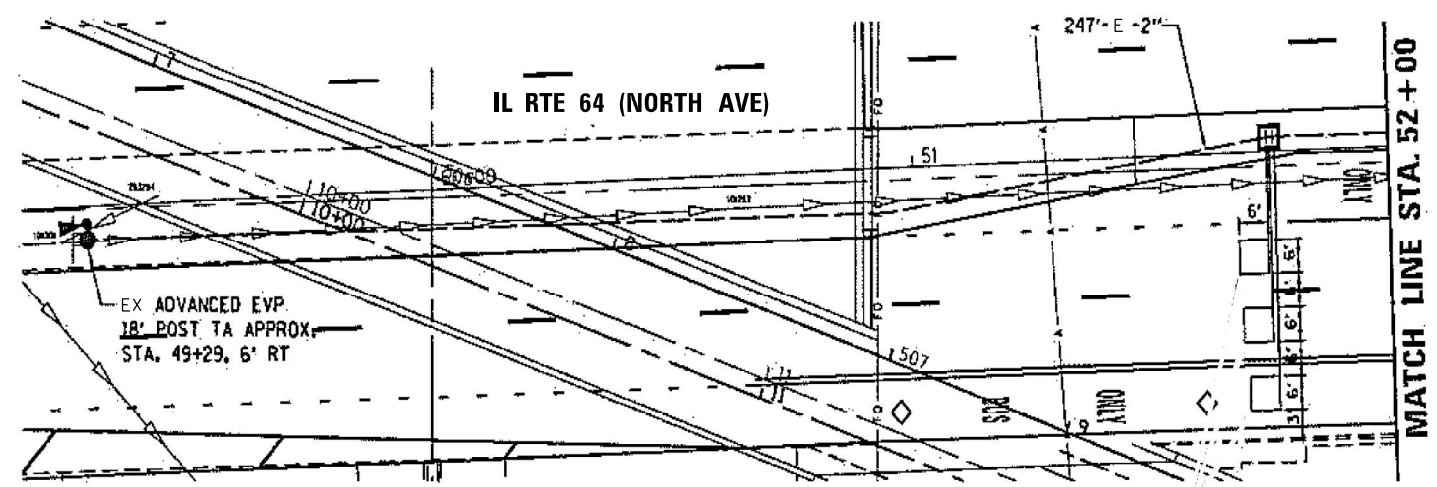
- 1 EACH TRANSCEIVER FIBER OPTIC



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TS 3065
IDOT CENTRACS
FORMER ECON 99

	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 64 (NORTH AVE) AT NORTHWEST AVE (SHEET 1 OF 2)			F.A.P. RTE. 307	SECTION 2020-263-SUR, SW&TS	COUNTY COOK	TOTAL SHEETS 492	SHEET NO. 146
	PLOT SCALE = 48.0000' / in.	CHECKED - MS	REVISIED -		DATE - 3/22/2024	SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT			



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USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
DRAWN - AV, EA	REVISED -	
CHECKED - MS	REVISED -	
DATE - 3/22/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

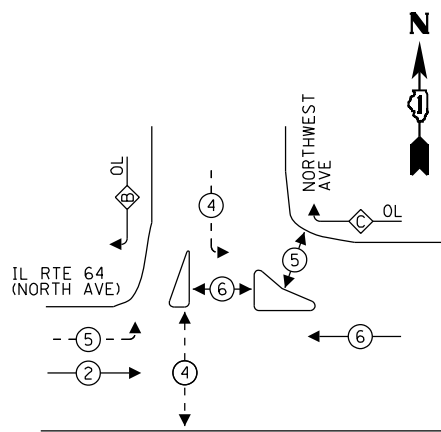
TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT NORTHWEST AVE
 (SHEET 2 OF 2)

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	147
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

TS 3065
IDOT CENTRACS
FORMER ECON 99

EXISTING CONTROLLER SEQUENCE



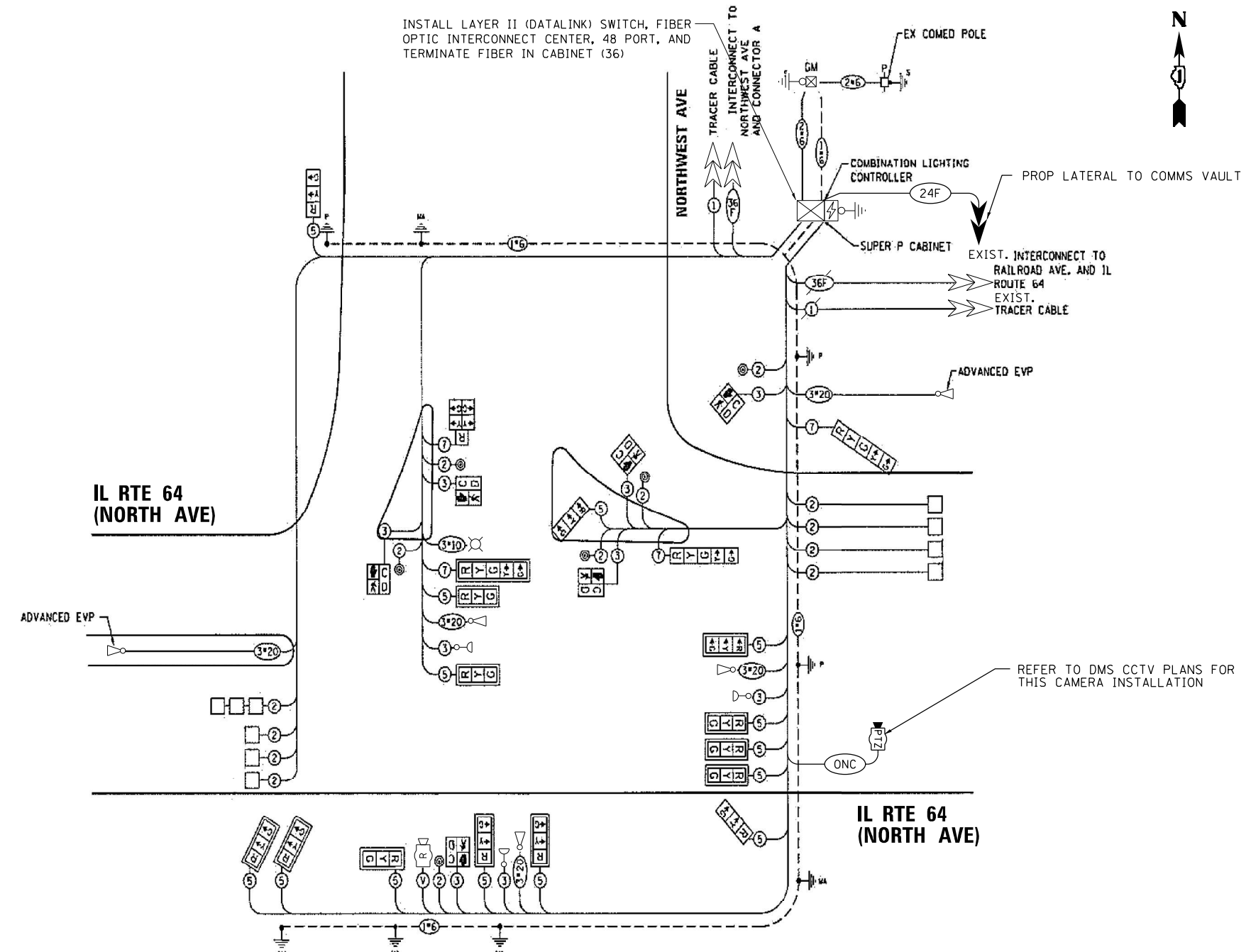
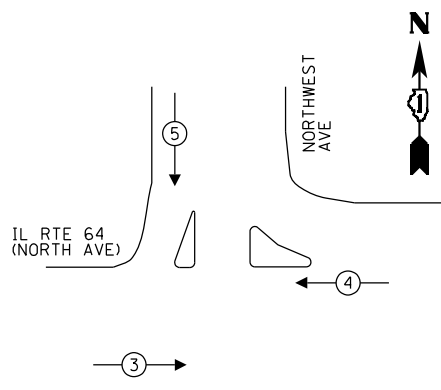
LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 4

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
TERMINAL SERVER	EACH	1
LAYER II (DATA LINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	36
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
LED SIGNAL FACE VISOR HEATER	EACH	18
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

NOTES:

- 1. ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: FERNANDO FLORES
 PHONE: (708) 410-5304
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 23330-13042
 METER NUMBER:

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	3	13	39
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			535
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	1	240	240
TOTAL SERVICE WIRE SIZING			1380

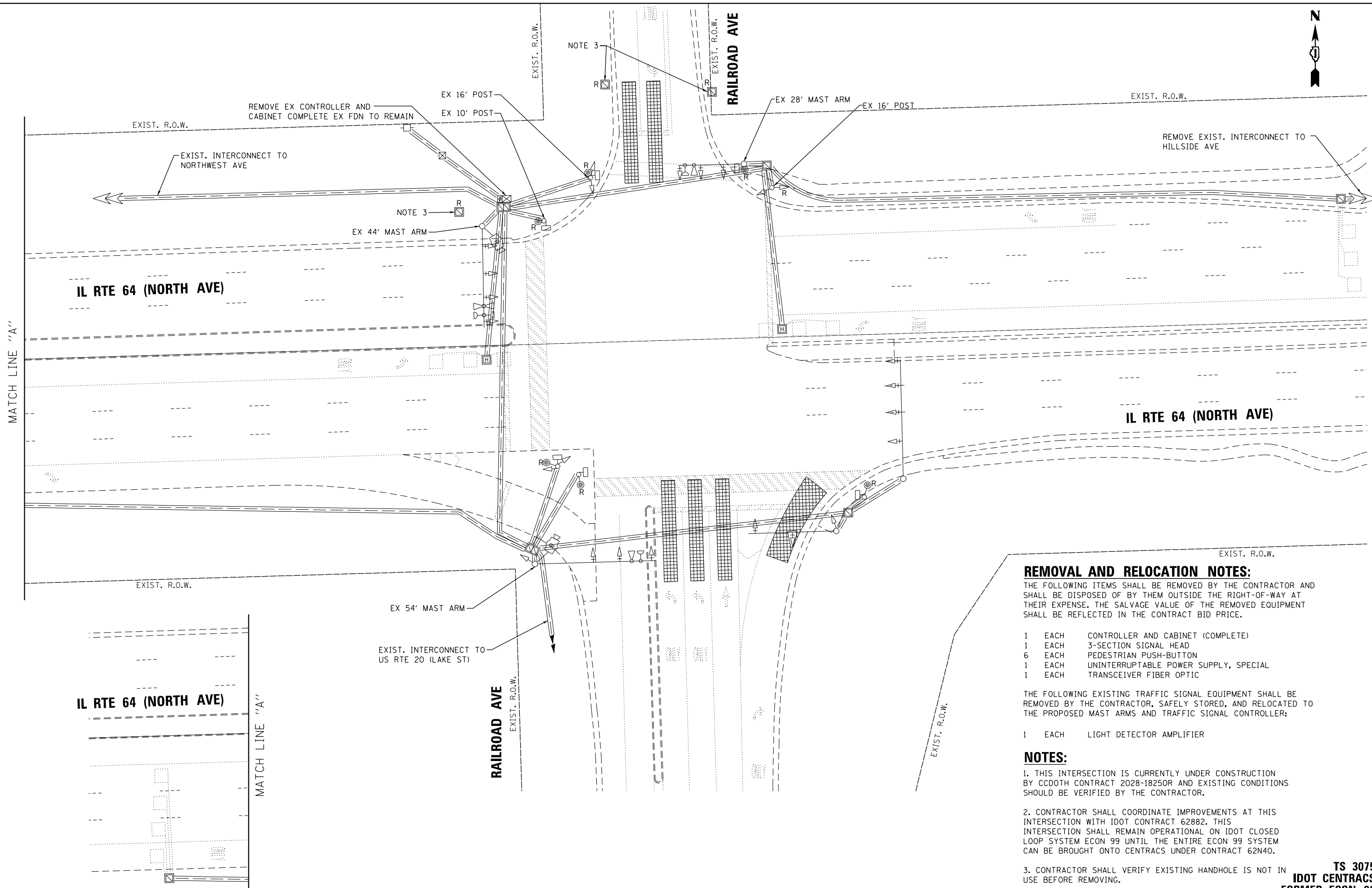
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING CABLE PLAN, EXISTING PHASE DESIGNATION DIAGRAM, EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES IL RTE 64 (NORTH AVE) AT NORTHWEST AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	148
CONTRACT NO. 62N40				

TS 3065 IDOT CENTRACS FORMER ECON 99

FILE NAME: ...



- REMOVAL AND RELOCATION NOTES:**
 THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
 - 1 EACH 3-SECTION SIGNAL HEAD
 - 6 EACH PEDESTRIAN PUSH-BUTTON
 - 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
 - 1 EACH TRANSCEIVER FIBER OPTIC
- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:
- 1 EACH LIGHT DETECTOR AMPLIFIER

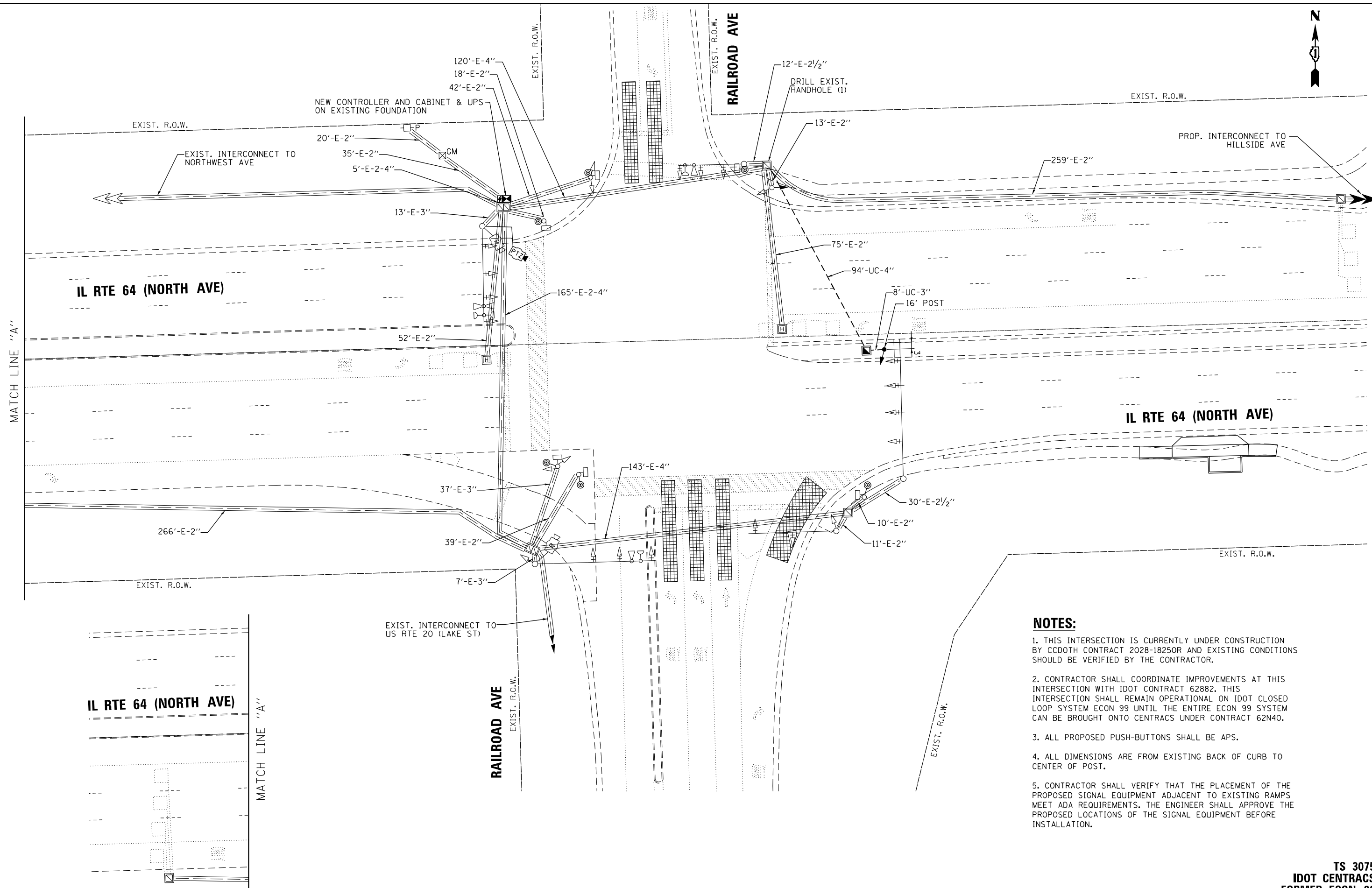
NOTES:

1. THIS INTERSECTION IS CURRENTLY UNDER CONSTRUCTION BY CCDOH CONTRACT 2028-18250R AND EXISTING CONDITIONS SHOULD BE VERIFIED BY THE CONTRACTOR.
2. CONTRACTOR SHALL COORDINATE IMPROVEMENTS AT THIS INTERSECTION WITH IDOT CONTRACT 62882. THIS INTERSECTION SHALL REMAIN OPERATIONAL ON IDOT CLOSED LOOP SYSTEM ECON 99 UNTIL THE ENTIRE ECON 99 SYSTEM CAN BE BROUGHT ONTO CENTRACS UNDER CONTRACT 62N40.
3. CONTRACTOR SHALL VERIFY EXISTING HANDHOLE IS NOT IN USE BEFORE REMOVING.

**TS 3075
 IDOT CENTRACS
 FORMER ECON 99**


FILE NAME = p:\h-p\p-bent\gucemh-p-01\Documents\01 Active Projects\W-CIS-16695100 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\010821-int-15-13_CAI.DGN

	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 64 (NORTH AVE) AT RAILROAD AVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - AV, EA	CHECKED - MS	REVISED -		307	2020-263-SUR, SW&TS	COOK	492	149			
PLOT SCALE = 40.0000' / in.	DATE - 3/22/2024	REVISED -	SCALE: 1"=20'			SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 62N40			
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT									



- NOTES:**
1. THIS INTERSECTION IS CURRENTLY UNDER CONSTRUCTION BY CCDOH CONTRACT 2028-18250R AND EXISTING CONDITIONS SHOULD BE VERIFIED BY THE CONTRACTOR.
 2. CONTRACTOR SHALL COORDINATE IMPROVEMENTS AT THIS INTERSECTION WITH IDOT CONTRACT 62882. THIS INTERSECTION SHALL REMAIN OPERATIONAL ON IDOT CLOSED LOOP SYSTEM ECON 99 UNTIL THE ENTIRE ECON 99 SYSTEM CAN BE BROUGHT ONTO CENTRACS UNDER CONTRACT 62N40.
 3. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
 4. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
 5. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.

FILE NAME = p:\h-p\p\h\g\c\m\h-p\01\Documents\01 Active Projects\W-CIS-16695100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\010821-int-15-14_CAI.DGN
 GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 5035 N. NORTHWEST HIGHWAY SUITE 206 CHICAGO, ILLINOIS 60630 TEL: 773-714-590

	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
	PLOT SCALE = 40.0000' / in.	DRAWN - AV, EA	REVISED -
	PLOT DATE = \$DATE\$	CHECKED - MS	REVISED -
		DATE - 3/22/2024	REVISED -

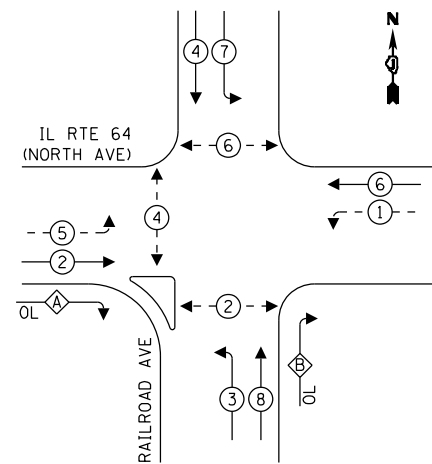
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 64 (NORTH AVE) AT RAILROAD AVE			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	150
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

TS 3075
IDOT CENTRACS
FORMER ECON 99

EXISTING CONTROLLER SEQUENCE



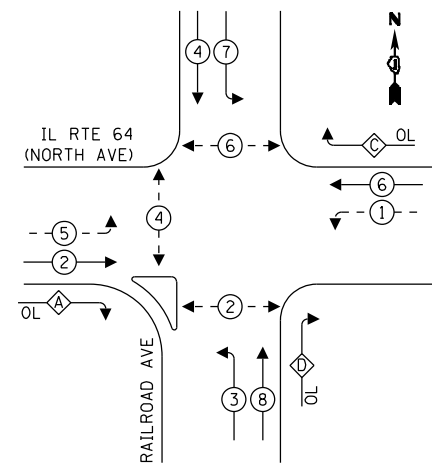
LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 + 3	
B	= 8 + 1	

PROPOSED CONTROLLER SEQUENCE



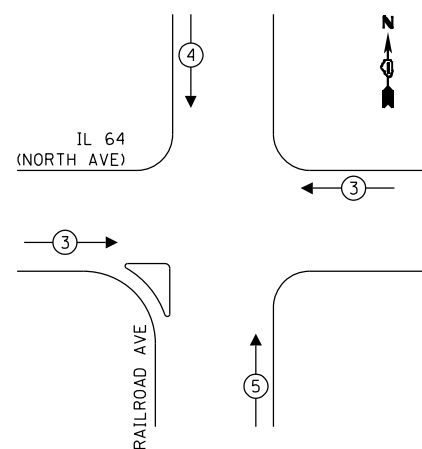
LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

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

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

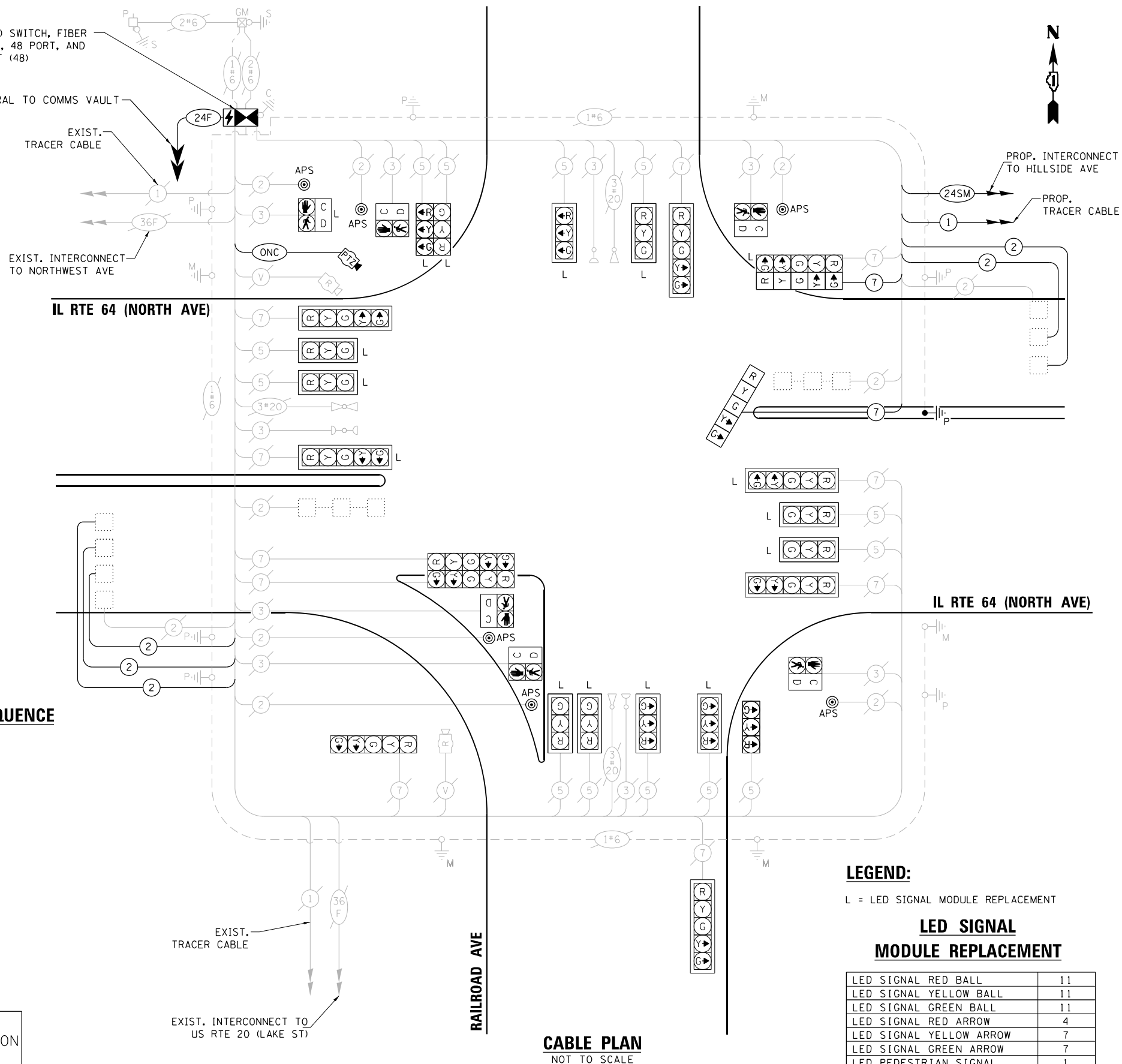


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	13	11	143
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	2	20	40
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			639
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1244

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: FERNANDO FLORES
 PHONE: (708) 410-5304
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 23330-13042
 METER NUMBER:

INSTALL LAYER III (NETWORK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (48)



CABLE PLAN
NOT TO SCALE

LEGEND:

L = LED SIGNAL MODULE REPLACEMENT

LED SIGNAL MODULE REPLACEMENT

LED SIGNAL RED BALL	11
LED SIGNAL YELLOW BALL	11
LED SIGNAL GREEN BALL	11
LED SIGNAL RED ARROW	4
LED SIGNAL YELLOW ARROW	7
LED SIGNAL GREEN ARROW	7
LED PEDESTRIAN SIGNAL	1

NOTES:

1. ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) AT RAILROAD AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	151
				CONTRACT NO. 62N40

TS 3075
IDOT CENTRACS
FORMER ECON 99

DESIGNED - AV, EA	REVISED -
DRAWN - AV, EA	REVISED -
CHECKED - MS	REVISED -
DATE - 3/22/2024	REVISED -

FILE NAME = p:\h-p\ben\lucemh-pw-01\Documents\01 Active Projects\MH-CIS-16895100 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\0208121-int-15-16-CAL.DGN

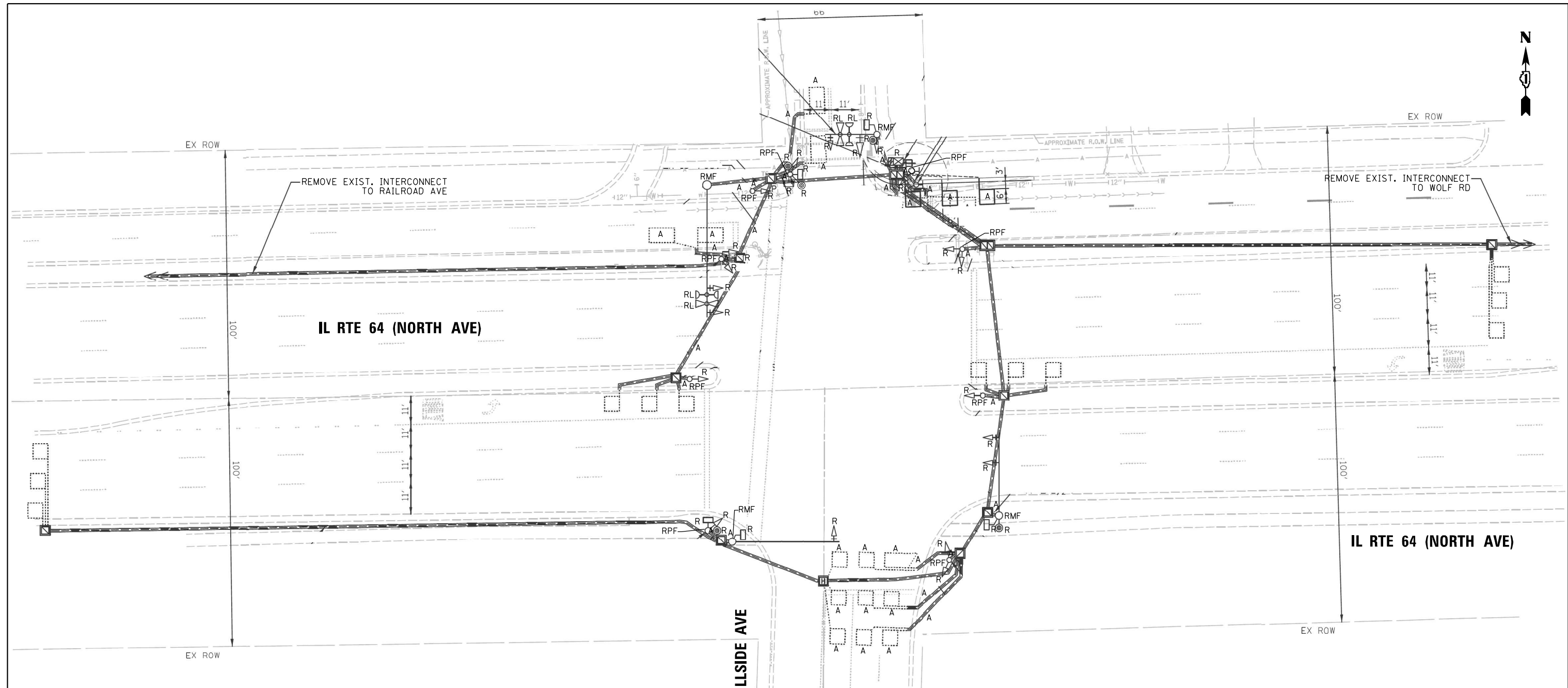
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	8
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	94
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	451
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2252
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	117
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	EACH	4
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	9
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	178
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	100
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
LED SIGNAL FACE VISOR HEATER	EACH	25
LAYER III (NETWORK) SWITCH	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CAMERA MOUNTING ASSEMBLY	EACH	1
LED SIGNAL MODULE REPLACEMENT	EACH	51
LED PEDESTRIAN SIGNAL MODULE REPLACEMENT	EACH	1

* 100% COST TO THE CITY OF NORTHLAKE

**TS 3075
IDOT CENTRACS
FORMER ECON 99**

 GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 308 CHICAGO, ILLINOIS 60630 TEL: 773.774.590	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES IL RTE 64 (NORTH AVE) AT RAILROAD AVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA.	TO STA.	307	2020-263-SUR, SW&TS	COOK	492
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -						CONTRACT NO. 62N40					
								FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					



REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 9 EACH TRAFFIC SIGNAL POST
- 12 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 4-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 6 EACH PEDESTRIAN SIGNAL HEAD
- 5 EACH PEDESTRIAN PUSH-BUTTON
- 7 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH CONTROLLER (ASC 2) AND CABINET COMPLETE
- 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORE AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME = p:\h-p\p-bent\legucom\h-p\p-01\Documents\01 Active Projects\W-CHS-16995108 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\108021-int-15-17_CAI.DGN



GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 206
CHICAGO, ILLINOIS 60630 TEL: 773.774.590

USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - AV, EA	REVISED -
PLOT DATE = \$DATE\$	CHECKED - MS	REVISED -
	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

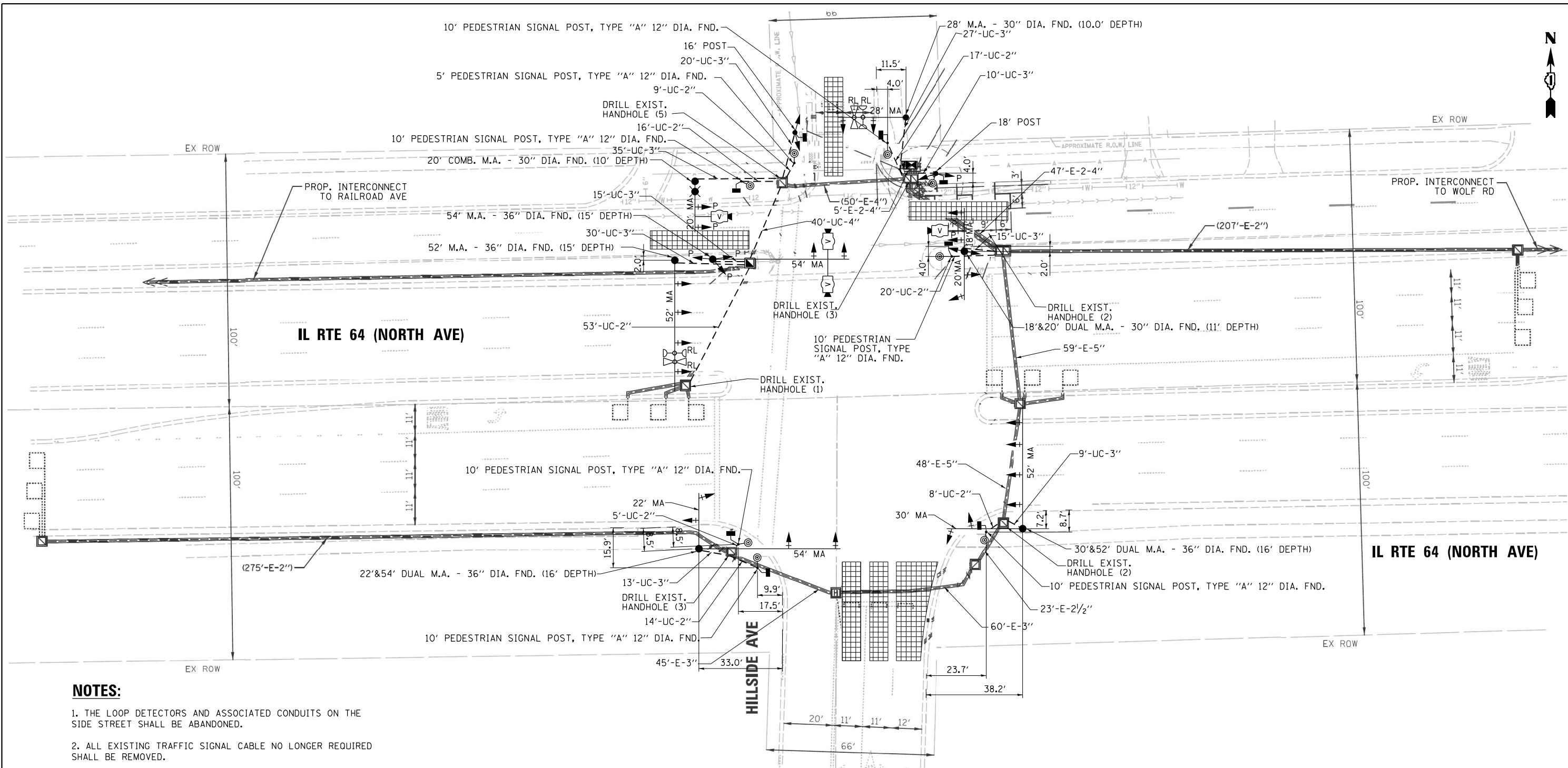
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT HILLSIDE AVE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	153
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

TS 21850
IDOT CENTRACS
FORMER ECON 99

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NOTES:

1. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
4. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
5. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
6. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
7. THIS LOCATION HAS BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
8. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.

GA GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773-774-590

USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - AV, EA	REVISED -
PLOT DATE = \$DATE\$	CHECKED - MS	REVISED -
	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT HILLSIDE AVE**

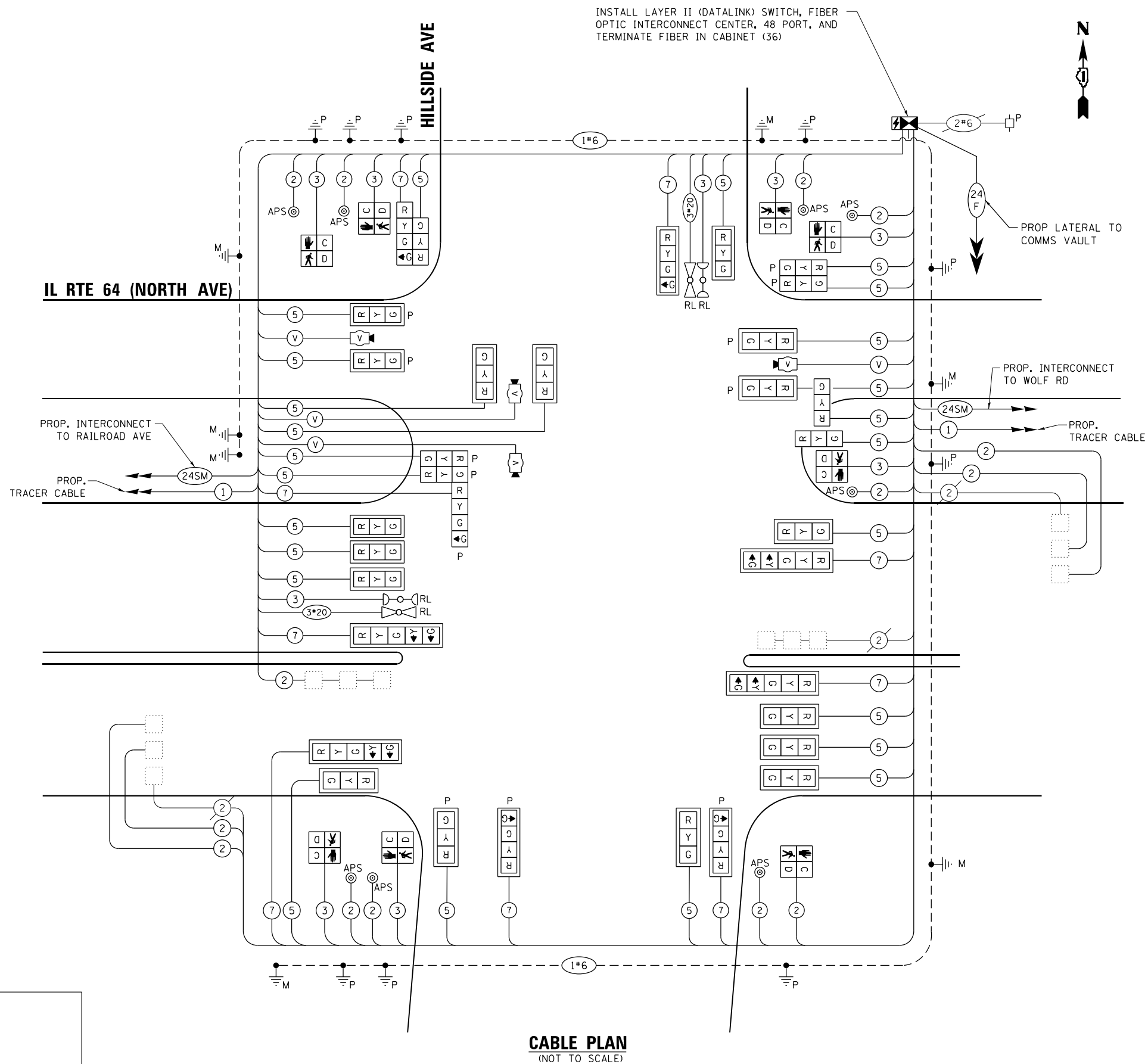
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	154
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

**TS 21850
IDOT CENTRACS
FORMER ECON 99**

NOTES:

1. ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	15	11	165
4-SECTION	2	14	56
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	9	22	198
4-SECTION	3	32	32
5-SECTION	-	28	-
PED.SIGNAL	7	15	105
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			898
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1503

ENERGY COSTS TO:
 THE CITY OF NORTHLAKE
 55 EAST NORTH AVE
 NORTHLAKE, IL 60164
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: COMED
 ACCOUNT NUMBER: 01871-54016
 METER NUMBER: _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN
IL RTE 64 (NORTH AVE) AT HILLSIDE AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	155
CONTRACT NO. 62N40				

TS 21850
IDOT CENTRACS
FORMER ECON 99

FILE NAME = p:\1\h-pa-bent\gucmth-pa-01\Documents\01 Active Projects\W-015-16895100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\1008121-int-15-19_CAI.DGN

GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: (773) 774-590

DESIGNED	REVISION
- AV, EA	REVISED -
DRAWN - AV, EA	REVISED -
CHECKED - MS	REVISED -
DATE - 3/22/2024	REVISED -

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

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

SEQUENCE OF OPERATION

MOVEMENT	SEQUENCE OF OPERATION																								FLASH						
	1+5				1+6				2+5				2+6				3				7					8					
PHASE																															
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12A	12B	13	14	15A	15B	16	17	18A	18B	18C	18D	19A	19B	20	21	22A	22B	22C	22D
CHANGE TO		1+6	2+5	2+6		2+6			2+6			3 7 8								1+5, 1+6 2+5, 2+6 7, 8			1+5, 1+6 2+5, 2+6		8					1+5, 1+6 2+5, 2+6	
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 64 (NORTH AVE) TWO NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	W/B	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
HILLSIDE AVE NEAR AND FAR RIGHT MAST ARM SIGNALS	N/B	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		
HILLSIDE AVE END MAST ARM AND FAR LEFT SIGNALS	N/B	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		
HILLSIDE AVE AT FRONTAGE RD ALL SIGNALS	S/B	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		
HILLSIDE AVE AT IL 64 (NORTH AVE) FAR RIGHT MAST ARM SIGNAL	S/B	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		
HILLSIDE AVE AT IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	S/B	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		
FRONTAGE RD ALL SIGNALS	E/B W/B	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		
PEDESTRIAN SIGNALS CROSSING HILLSIDE AVE FAR NORTH SIDE OF IL 64 (NORTH AVE)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H			
PEDESTRIAN SIGNALS CROSSING HILLSIDE AVE ON SOUTH SIDE OF IL 64 (NORTH AVE)	H	H	H	H	H	H	P	FH	H	P	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H			
PEDESTRIAN SIGNALS CROSSING FRONTAGE RD ON EAST SIDE OF HILLSIDE AVE	H	H	H	H	H	H	H	H	H	H	H	H	H	P	FH	H	H	H	H	H	H	H	H	H	H	H	H	H			
PEDESTRIAN SIGNALS CROSSING IL 64 (NORTH AVE) ON WEST SIDE OF HILLSIDE AVE	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	P	FH	H	H	H	H	H	H	H	H	H			

PHASES 2+6 SHALL BE PLACED ON RECALL
 * TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
 ** FLASHING HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE
 P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK

Ø THE 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

WALK AND FLASHING DON'T WALK TIMINGS TO BE SET ONLY ON PHASES WHERE WALK AND FLASHING DON'T WALK ARE
 INDICATED IN THE SEQUENCE OF OPERATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER																									PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	CLEAR TO NORMAL SEQUENCE						
	1	5	5	7	7	10	10	13	13	16	16	20	20	2	3	4																		
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	2	3	4
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2, 3 OR 4	2	1D	3 OR 4	1F	2	1H	1J	3 OR 4	2	1M	1N	3 OR 4	1Q	1R	2 OR 3	3	1U	1V	1W	1X	2 OR 3	4	1AA	1BB	1CC	1DD	2 OR 3	1FF	1GG	4			
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	G	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	G	R	R
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	G	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	G	R	R
IL 64 (NORTH AVE) TWO NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	W/B	R	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	W/B	R	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R
HILLSIDE AVE NEAR AND FAR RIGHT MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R
HILLSIDE AVE END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	
HILLSIDE AVE AT FRONTAGE RD ALL SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	R	R	R	R	R	R	R	R	R	R	G
HILLSIDE AVE AT IL 64 (NORTH AVE) FAR RIGHT MAST ARM SIGNAL	S/B	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	R	R	G
HILLSIDE AVE AT IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	S/B	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	R	R	G
FRONTAGE RD ALL SIGNALS	E/B W/B	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	R	R	R
PEDESTRIAN SIGNALS CROSSING HILLSIDE AVE FAR NORTH SIDE OF IL 64 (NORTH AVE)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING HILLSIDE AVE ON SOUTH SIDE OF IL 64 (NORTH AVE)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING FRONTAGE RD ON EAST SIDE OF HILLSIDE AVE	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING IL 64 (NORTH AVE) ON WEST SIDE OF HILLSIDE AVE	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	

Ø 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 VEHICLE PREEMPTION INTERVAL AFTER
 EMERGENCY VEHICLE PREEMPTION INTERVAL 2, 3 OR 4 IS TERMINATED.

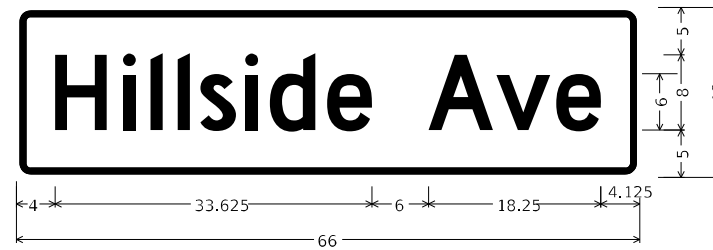
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SIGN PANEL – TYPE 1 OR TYPE 2

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	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	16.5
SIGN PANEL - TYPE 2	SQ FT	25
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	142
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	174
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	40
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1365
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1754
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4425
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2115
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2044
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	961
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 54 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	31
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	62
DRILL EXISTING HANDHOLE	EACH	16
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-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	24
INDUCTIVE LOOP DETECTOR	EACH	8
* 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	EACH	9800
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	13
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	322
CENTRACS LICENSE EXPANSION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	36
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	6
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	4
LED SIGNAL FACE VISOR HEATER	EACH	33
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 18 FT. AND 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 52 FT.	EACH	1

* 100% COST TO THE CITY OF NORTHLAKE

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**TS 21850
IDOT CENTRACS
FORMER ECN 99**



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PHONE: (815) 467-4600
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USER NAME = j0eLTurk	DESIGNED - AMK	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND HILLSIDE AVE**

SCALE: SHEET 1 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	157
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

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

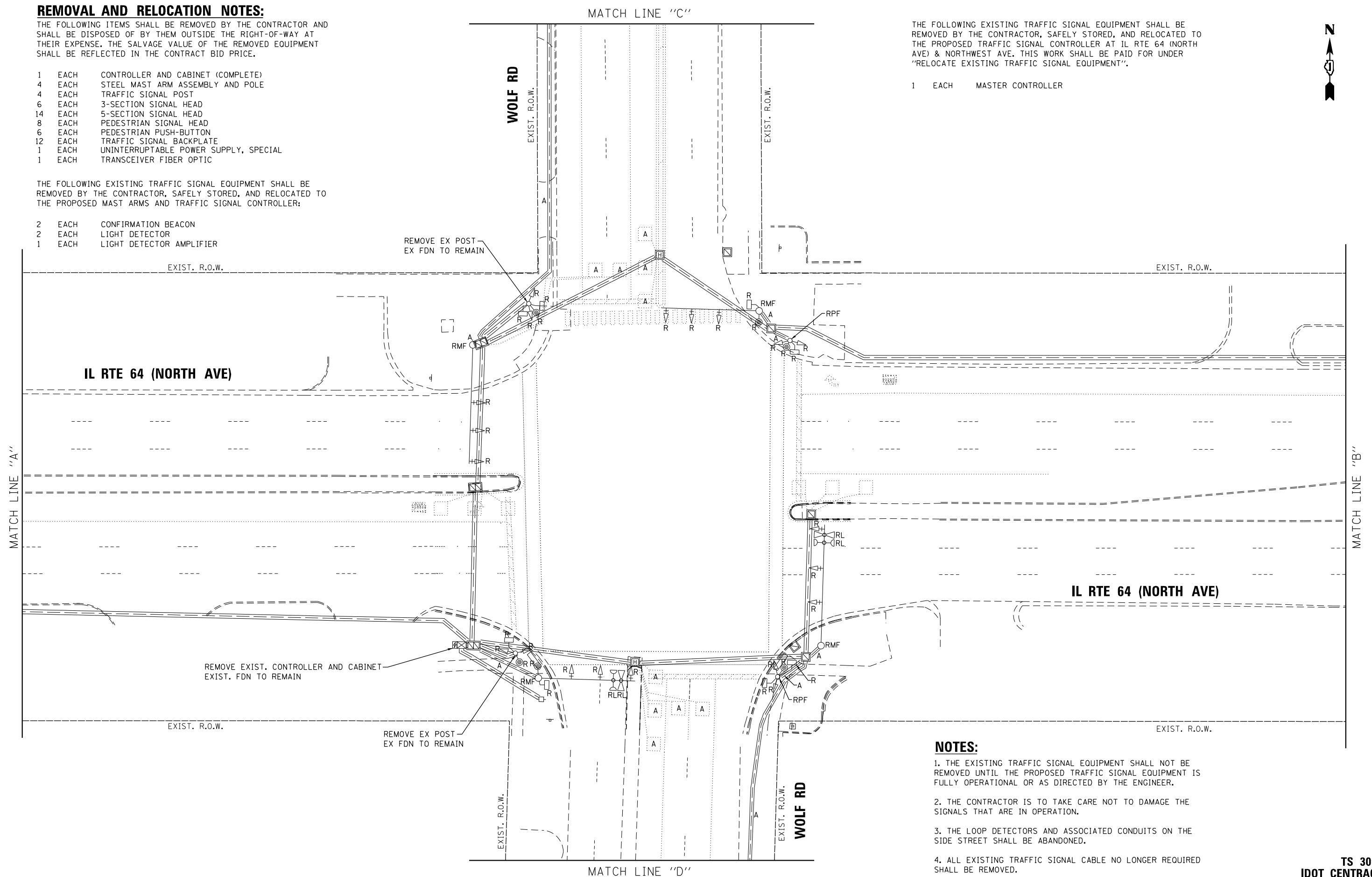
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 6 EACH 3-SECTION SIGNAL HEAD
- 14 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 12 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
- 1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AT IL RTE 64 (NORTH AVE) & NORTHWEST AVE. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH MASTER CONTROLLER



NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

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GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 306
CHICAGO, ILLINOIS 60630 TEL: 773.774.590

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

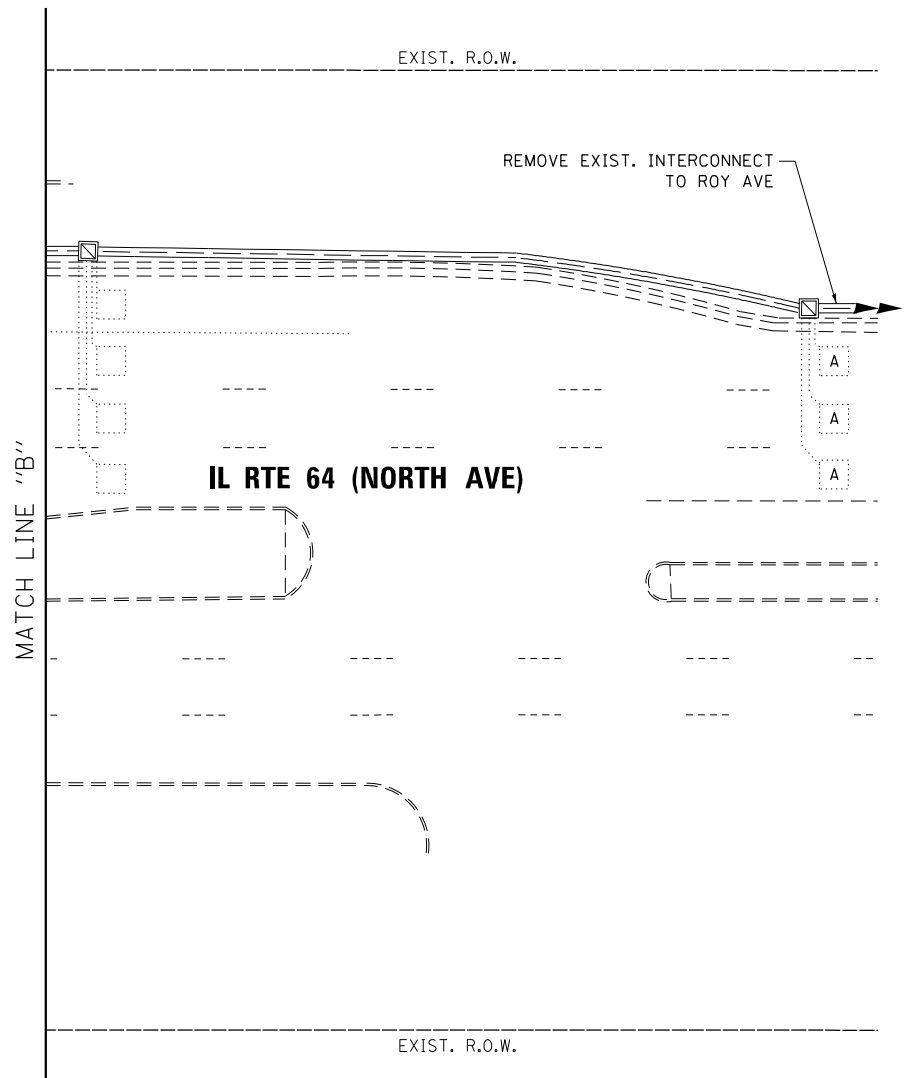
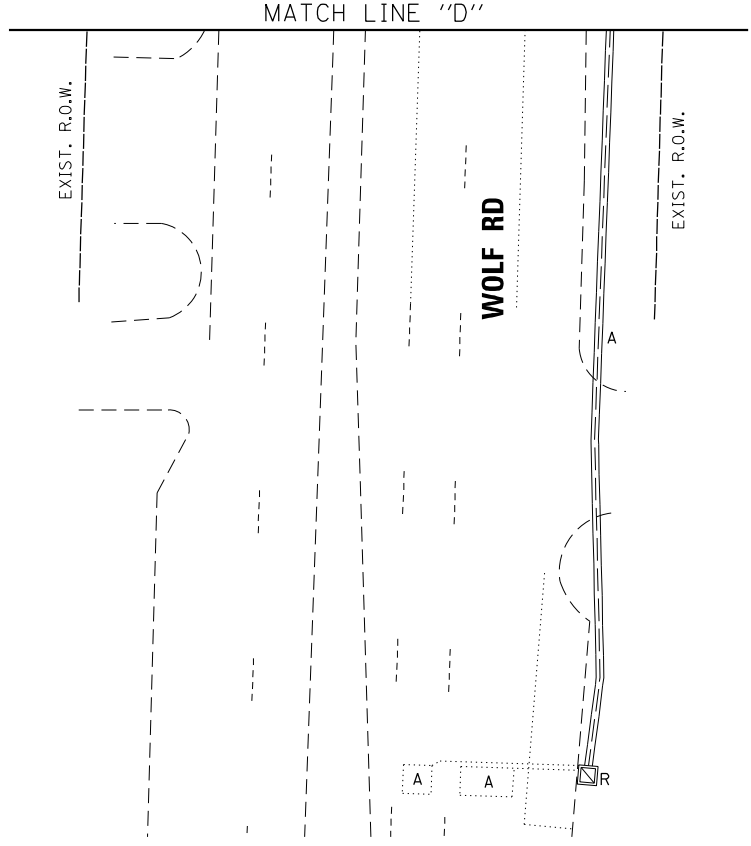
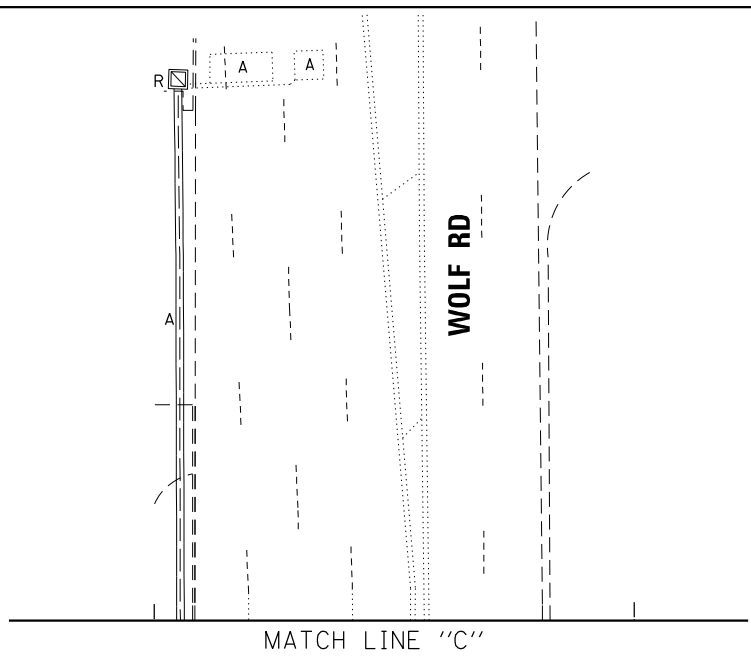
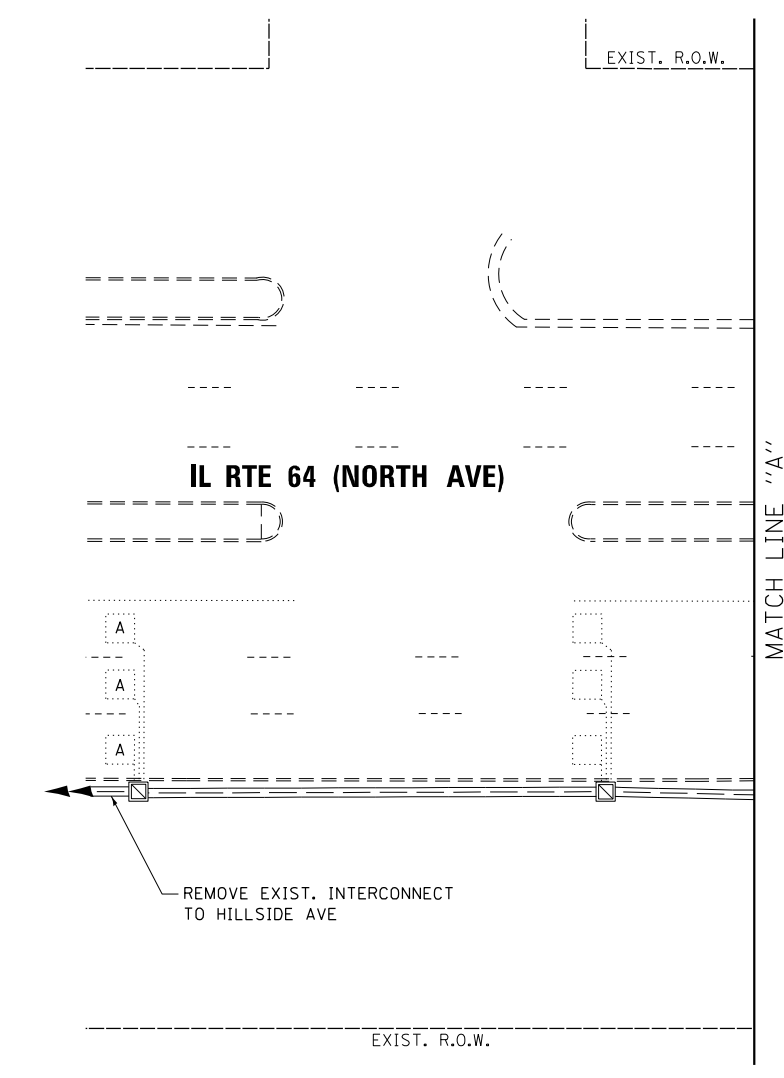
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT WOLF RD
(SHEET 1 OF 2)

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	158
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 62N40	

TS 3090
IDOT CENTRACS
FORMER ECON 99

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DATE - 3/22/2024	REVISOR -	REVISED -

DATE - 3/22/2024	REVISOR -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT WOLF RD
(SHEET 2 OF 2)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	159
CONTRACT NO. 62N40				

**TS 3090
IDOT CENTRACS
FORMER ECON 99**

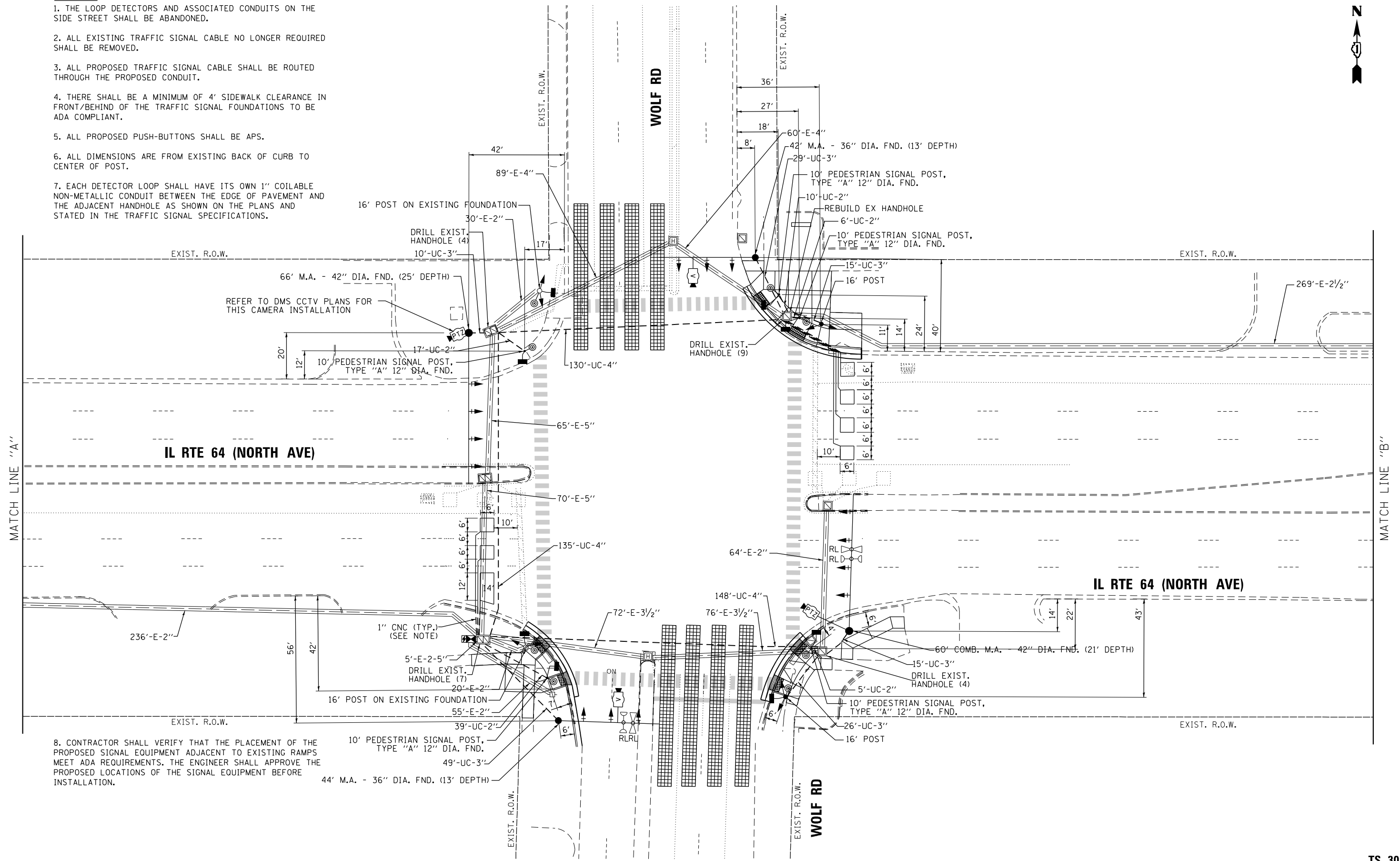
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

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

NOTES:

1. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
4. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
5. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
6. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
7. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

8. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.



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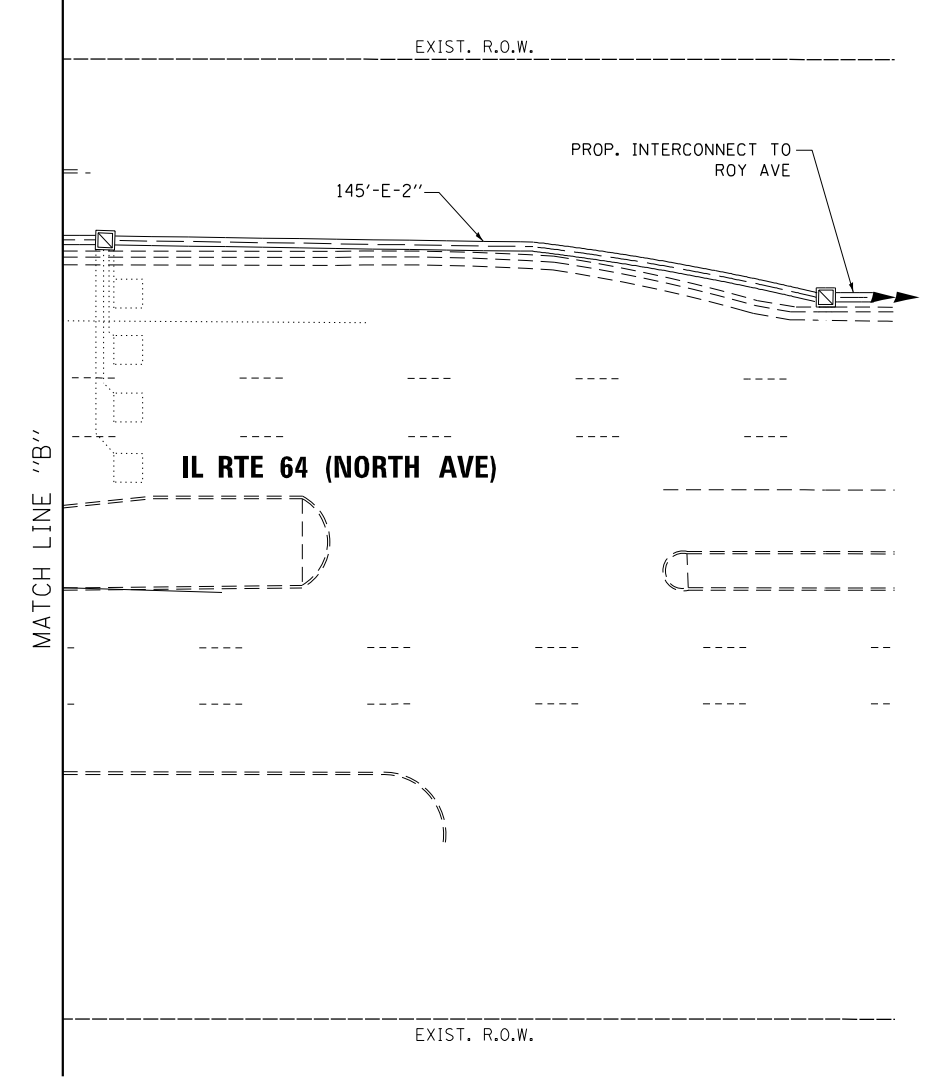
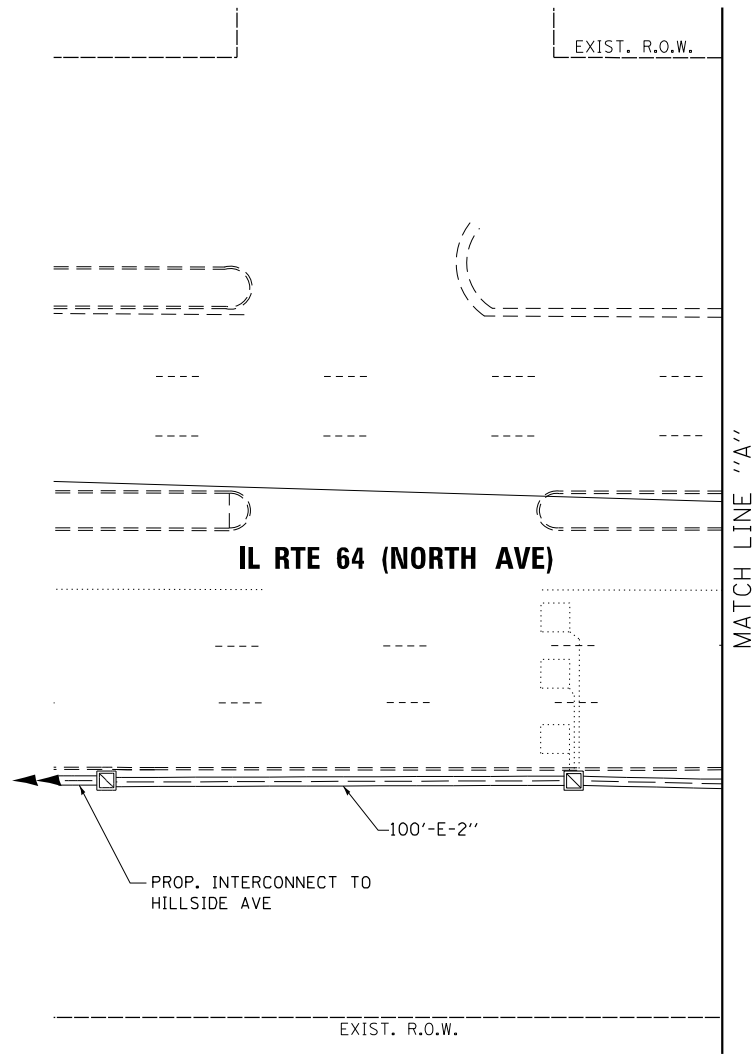
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
 IL RTE 64 (NORTH AVE) AT WOLF RD
 (SHEET 1 OF 2)**

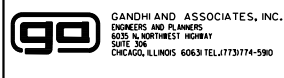
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	160
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N40	

**TS 3090
 IDOT CENTRACS
 FORMER ECON 99**



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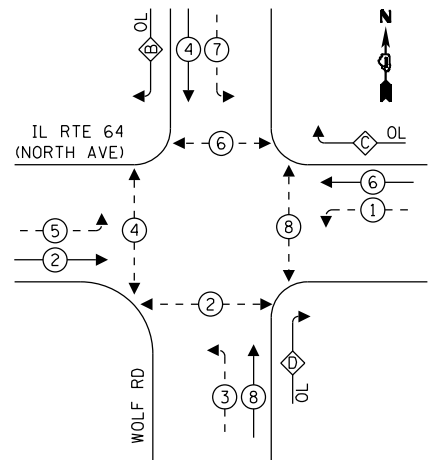
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN			
IL RTE 64 (NORTH AVE) AT WOLF RD			
(SHEET 2 OF 2)			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	161
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

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IDOT CENTRACS
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EXISTING CONTROLLER SEQUENCE



LEGEND:

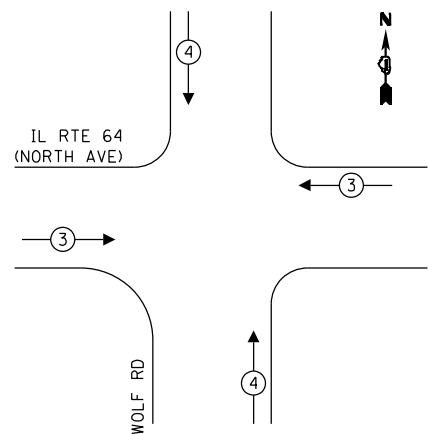
- ←*→ PROTECTED PHASE
- ←-*-→ PROTECTED/PERMITTED PHASE
- ←-P-→ PEDESTRIAN PHASE
- ←OL→ OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1

REFER TO DMS CCTV PLANS FOR THIS CAMERA INSTALLATION

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	14	13	182
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			640
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1245

ENERGY COSTS TO:

THE CITY OF NORTHLAKE

55 EAST NORTH AVE
NORTHLAKE, IL 60164

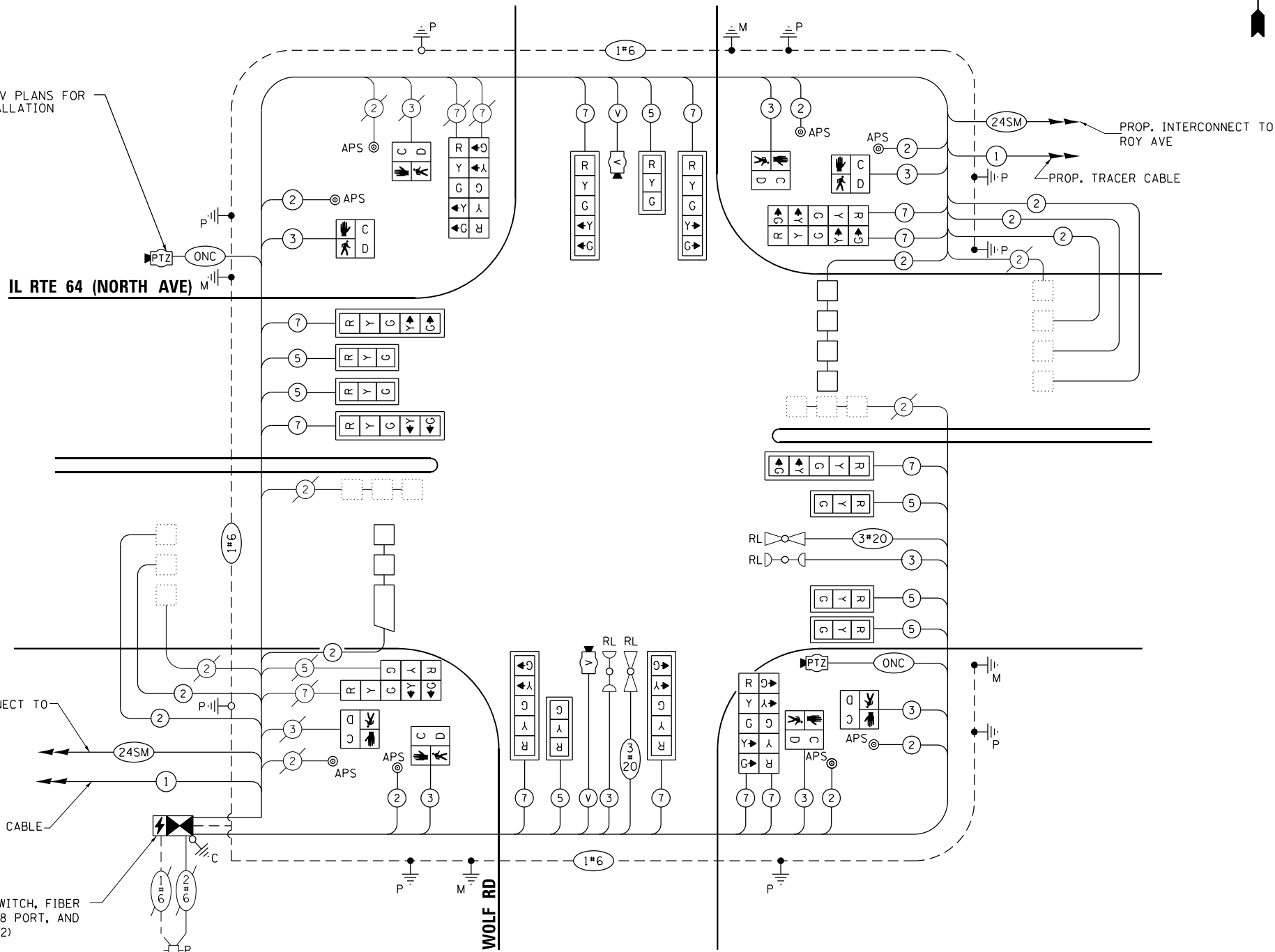
ENERGY SUPPLY: CONTACT:

PHONE:

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: 01871-54016

METER NUMBER:



CABLE PLAN

NOT TO SCALE

NOTES:

1. ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) AT WOLF RD

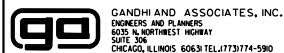
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	162
CONTRACT NO. 62N40				

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

TS 3090
IDOT CENTRACS
FORMER ECON 99

FILE NAME = ... GANDHI AND ASSOCIATES, INC. ...



USER NAME = \$USER\$
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DRAWN - AV, EA
PLOT SCALE = 40.0000' / in.
CHECKED - MS
DATE - 3/22/2024

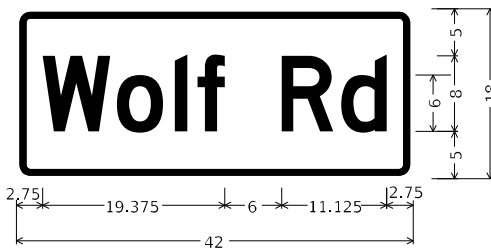
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SIGN PANEL – TYPE 1 OR TYPE 2

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	2



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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	10.5
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	77
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	144
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	413
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1317
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1739
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1714
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2866
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2652
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	866
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	EACH	8
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46
DRILL EXISTING HANDHOLE	EACH	24
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	11
DETECTOR LOOP, TYPE I	FOOT	338
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* 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	9200
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	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	380
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	248
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	5
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
LED SIGNAL FACE VISOR HEATER	EACH	22
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
ELECTRIC METER	EACH	1

* 100% COST TO THE CITY OF NORTHLAKE

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WARREN, ILL. 60555
PHONE: (847) 488-4888
WWW.KIMLEY-HORN.COM

USER NAME = joel.turk	DESIGNED - AMK	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND WOLF RD**

SCALE: SHEET 1 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	163
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

**TS 3090
IDOT CENTRACS
FORMER ECON 99**

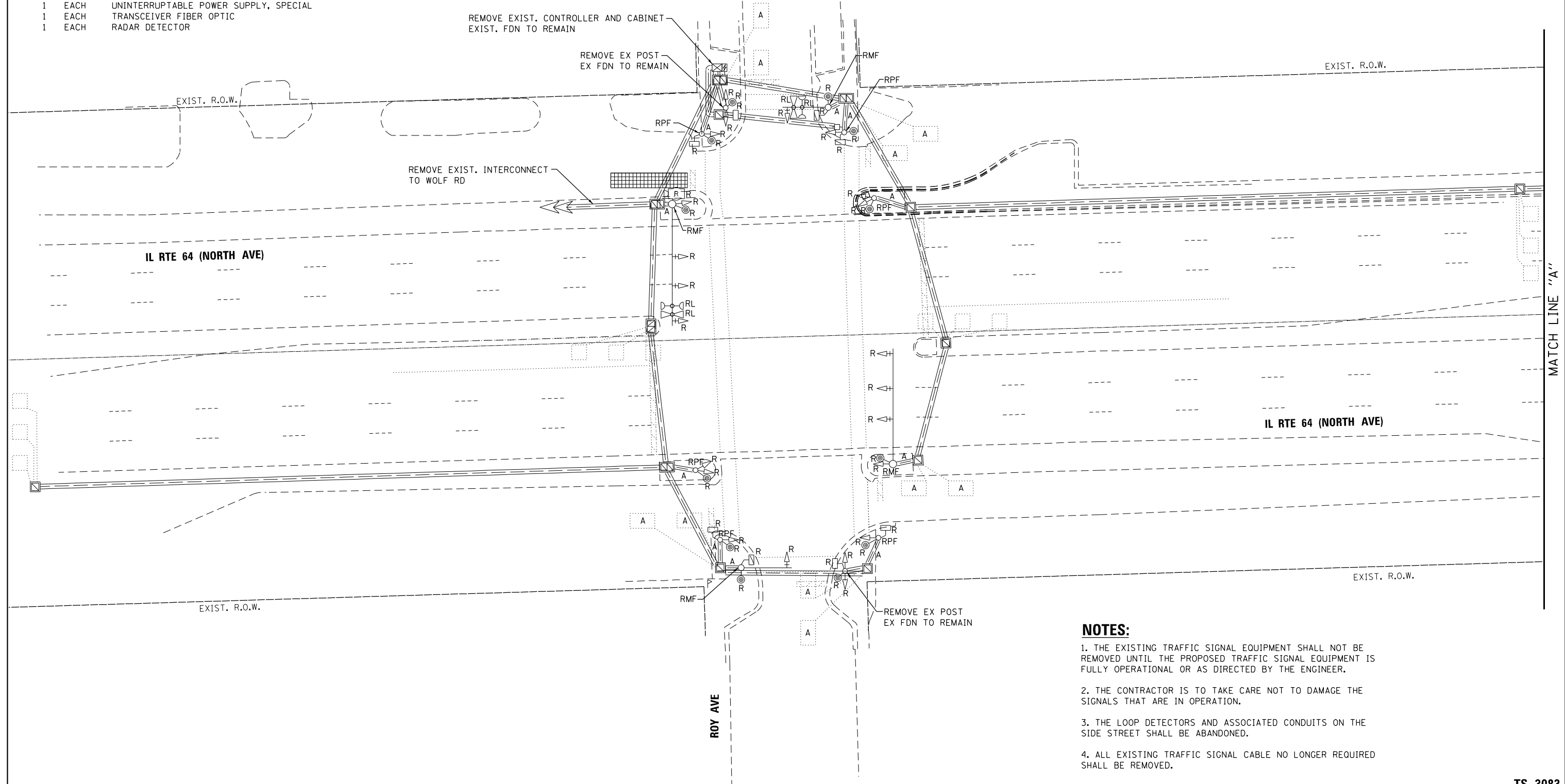
REMOVAL AND RELOCATION NOTES:

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

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 8 EACH TRAFFIC SIGNAL POST
- 18 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 12 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
- 1 EACH TRANSCEIVER FIBER OPTIC
- 1 EACH RADAR DETECTOR

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME = p:\h-p\p-bent\gucm\h-p-01\Documents\01 Active Projects\W-CHS-16695100 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor- Signal\1008121-int-15-26.dwg



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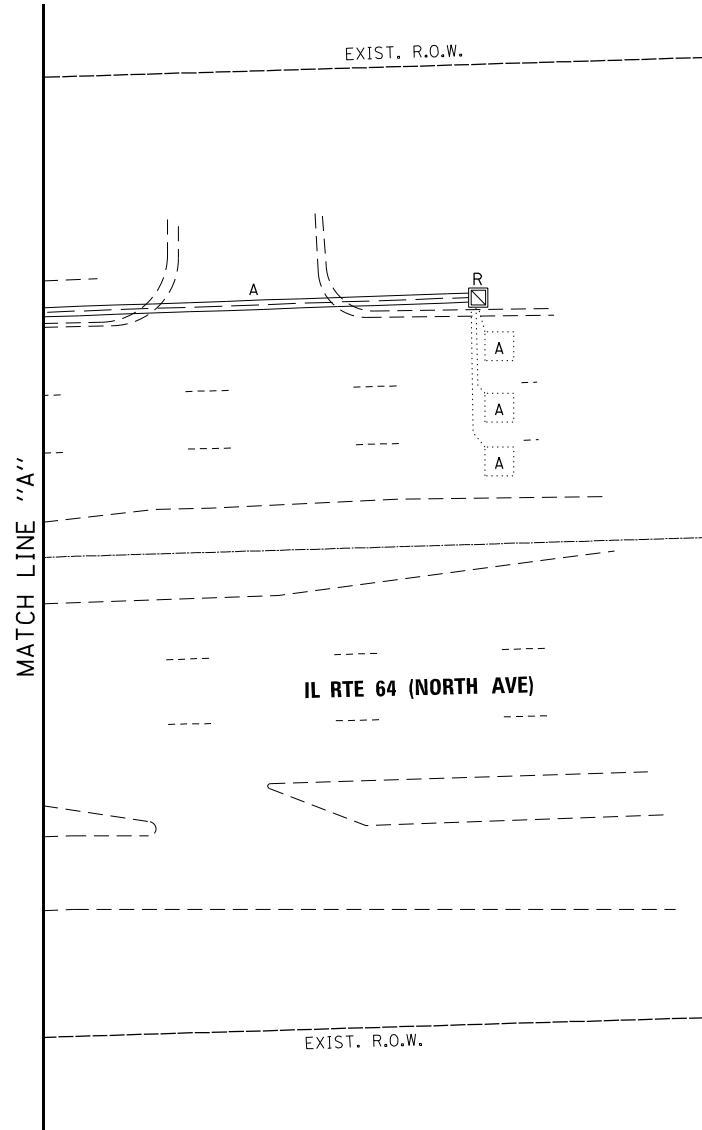
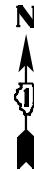
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT ROY AVE
(SHEET 1 OF 2)

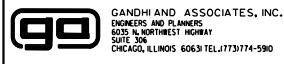
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

TS 3083
IDOT CENTRACS
FORMER ECON 99

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	164
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N40	



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GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 304
CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

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PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT ROY AVE
(SHEET 2 OF 2)

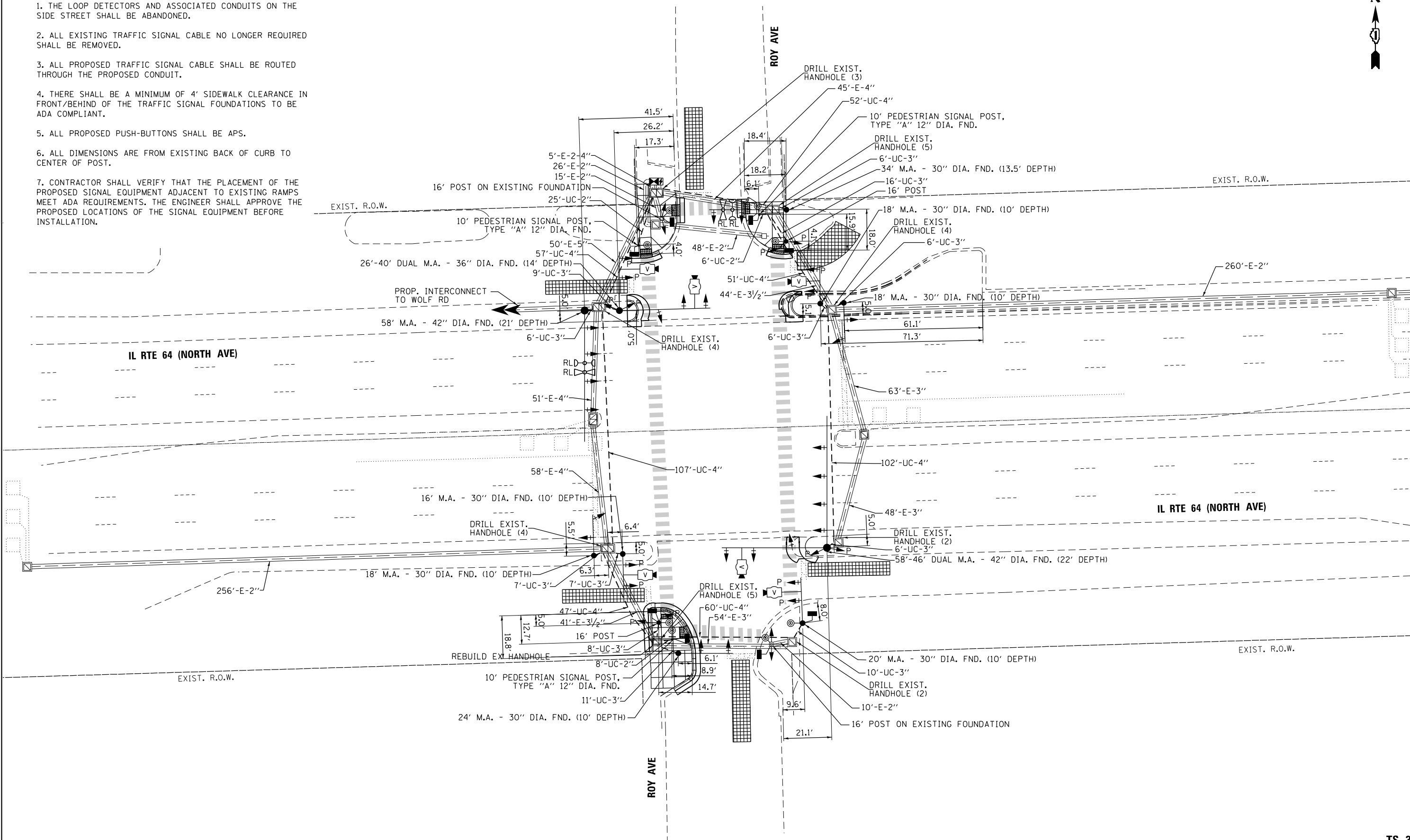
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	165
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

TS 3083
IDOT CENTRACS
FORMER ECON 99

NOTES:

1. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
4. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
5. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
6. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
7. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT ROY AVE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

TS 3083
IDOT CENTRACS
FORMER ECON 99

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	166
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



NOTES:

1. ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.

INSTALL LAYER II (DATALINK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (24)

PROP LATERAL TO COMMS VAULT

PROPOSED INTERCONNECT TO WOLF RD

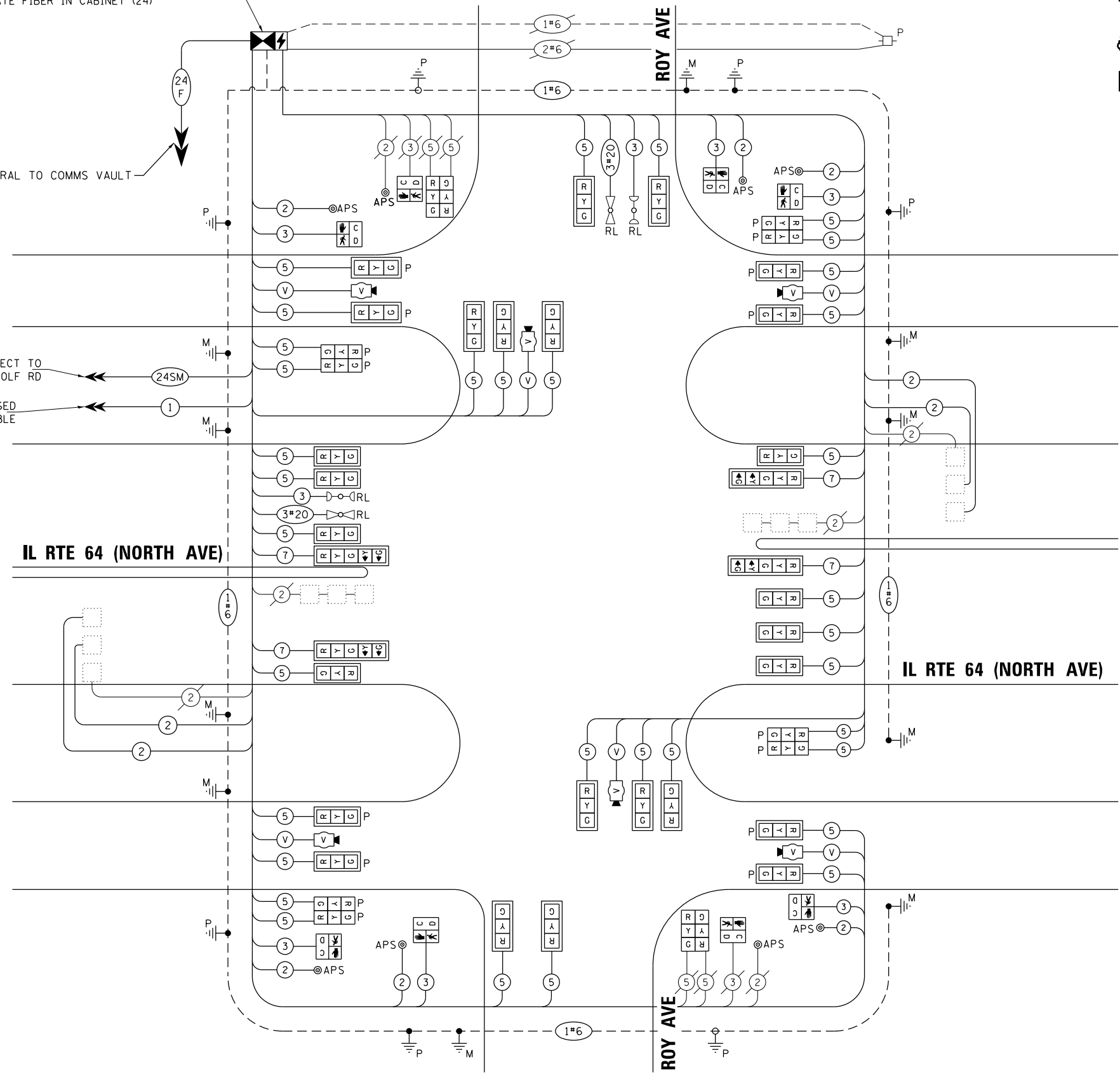
PROPOSED TRACER CABLE

IL RTE 64 (NORTH AVE)

IL RTE 64 (NORTH AVE)

ROY AVE

ROY AVE



CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	22	11	242
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	16	22	352
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	6	20	120
BLANK-OUT SIGN			
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			1096
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1701

ENERGY COSTS TO:
THE CITY OF NORTHLAKE
55 EAST NORTH AVE
NORTHLAKE, IL 60164
ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 01871-54016
METER NUMBER: _____

GO GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 200
CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

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PLOT DATE = \$DATE\$	CHECKED - MS	REVISED -
	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN
IL RTE 64 (NORTH AVE) AT ROY AVE

SCALE: 1"=20'

SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	167
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT				

TS 3083
IDOT CENTRACS
FORMER ECON 99

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SEQUENCE OF OPERATION

MOVEMENT	SEQUENCE OF OPERATION																				FLASH				
	1+5				1+6			2+5			2+6			3			4			7					
PHASE																									
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15A	15B	16	17A	17B	18	19	20A	20B	
CHANGE TO	1+6		2+5		2+6		2+6		2+6		3		4		1+5, 1+6 2+5, 2+6 4, 7		1+5, 1+6 2+5, 2+6 7		1+5, 1+6 2+5, 2+6						
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	E/B	←G	←Y	←G	←Y	R	R	←G	←G	←Y	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	W/B	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	W/B	←G	←G	←Y	←Y	G	G	←G	←G	←Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	
NORTH FRONTAGE RD ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	
SOUTH FRONTAGE RD ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	
ROY AVE ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
ROY AVE ALL SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
PEDESTRIAN SIGNALS CROSSING ROY AVE FAR NORTH SIDE OF IL 64 (NORTH AVE)	S/B	H	H	H	H	P	FH	H	H	H	H	P	FH	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING ROY AVE FAR SOUTH SIDE OF IL 64 (NORTH AVE)		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING IL 64 (NORTH AVE) BOTH SIDES OF ROY AVE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	P	FH	H	H

PHASES 2+6 SHALL BE PLACED ON RECALL
 * TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
 ** FLASHING HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE
 P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND - DON'T WALK

Ø THE 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
 WALK AND FLASHING DON'T WALK TIMINGS TO BE SET ONLY ON PHASES WHERE WALK AND FLASHING DON'T WALK ARE
 INDICATED IN THE SEQUENCE OF OPERATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER																		PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	CLEAR TO NORMAL SEQUENCE						
	1	5	5	8	8	11	11	14	16	18	18	2	3														
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	1S	2 OR 3	1U	2 OR 3	1W	1X	2	3				
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	G	R	◇
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	E/B	←Y					←G	←Y	←G			G	G	Y	R	R	R	R	R	R	R	R	R	R	G	R	◇
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	W/B	R	G	G	G	Y	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	G	R	◇
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	W/B	←Y	←G	←Y	←G							G	G	Y	R	R	R	R	R	R	R	R	R	R	G	R	◇
NORTH FRONTAGE RD ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	◇
SOUTH FRONTAGE RD ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	◇
ROY AVE ALL SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G				◇
PEDESTRIAN SIGNALS CROSSING ROY AVE FAR NORTH SIDE OF IL 64 (NORTH AVE)	S/B	H	FH	H	FH	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING ROY AVE FAR SOUTH SIDE OF IL 64 (NORTH AVE)		H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING IL 64 (NORTH AVE) BOTH SIDES OF ROY AVE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH				◇

◇ 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 VEHICLE PREEMPTION INTERVAL AFTER EMERGENCY VEHICLE PREEMPTION INTERVAL 2 OR 3 IS TERMINATED.

FILE NAME = ...

**TS 3083
IDOT CENTRACS
FORMER ECON 99**

USER NAME = \$USER\$	DESIGNED - AR	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISOR -
PLOT DATE = \$DATE\$	DATE - 9/20/2023	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SEQUENCE OF OPERATION AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
IL RTE 64 (NORTH AVE) AT ROY AVE**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

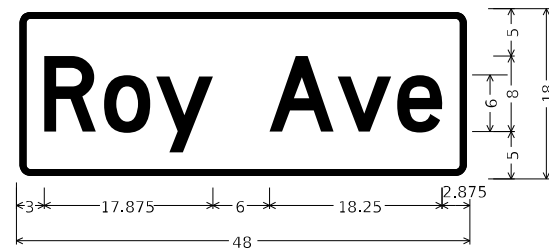
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	168
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 62N40	

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	2



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

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	12
SIGN PANEL - TYPE 2	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	39
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	98
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	476
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1187
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1526
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	7589
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	939
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1776
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	963
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 58 FT. AND 46 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	EACH	8
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	73.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	14
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	43
DRILL EXISTING HANDHOLE	EACH	29
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	18
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	30
INDUCTIVE LOOP DETECTOR	EACH	8
* 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	11400
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	297
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	6
LED SIGNAL FACE VISOR HEATER	EACH	42
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
ELECTRIC METER	EACH	1

* 100% COST TO THE CITY OF NORTHLAKE

MODEL: Default
 FILE NAME: p:\u1\p2\hwy_bentley.com\hwy_bentley\112\Documents\01_Active Projects\MK\CHS-16895\100 - IL 64\Phase 1\12_Design\CAD\Plan_Sheets\WOT\East_Corridor\110812_sht-SQ-06_KHA.dgn
 © 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 4001 HARVEY ROAD, SUITE 600
 WARREN, ILL. 60555
 PHONE: 630.474.4000
 WWW.KIMLEY-HORN.COM



USER NAME = jhelTurk	DESIGNED - AMK	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - SS	REVISED -
PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND ROY AVE**

SCALE: SHEET 1 OF SHEETS STA. TO STA.

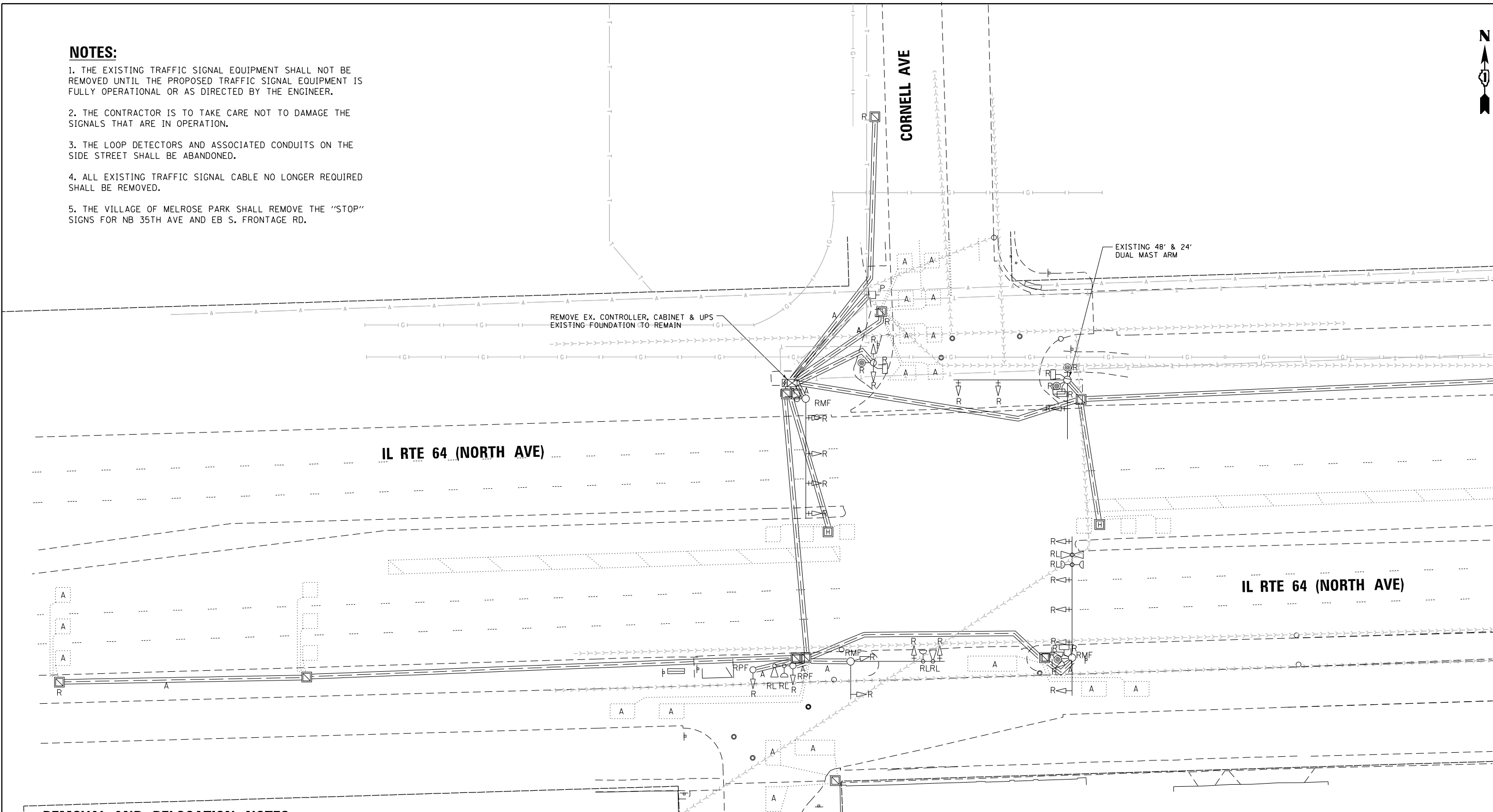
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	169
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

**TS 3083
IDOT CENTRACS
FORMER ECON 99**



NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
5. THE VILLAGE OF MELROSE PARK SHALL REMOVE THE "STOP" SIGNS FOR NB 35TH AVE AND EB S. FRONTAGE RD.



MATCH LINE "A"

REMOVAL AND RELOCATION NOTES:

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

- | | | |
|----|------|---|
| 3 | EACH | STEEL MAST ARM ASSEMBLY AND POST |
| 2 | EACH | TRAFFIC SIGNAL POST |
| 17 | EACH | 3-SECTION SIGNAL HEAD |
| 6 | EACH | 5-SECTION SIGNAL HEAD |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| 15 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 1 | EACH | CONTROLLER (ASC 2) AND CABINET (TSI) COMPLETE |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY |
| 1 | EACH | TRANSCIEVER FIBER OPTIC |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

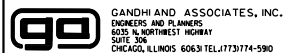
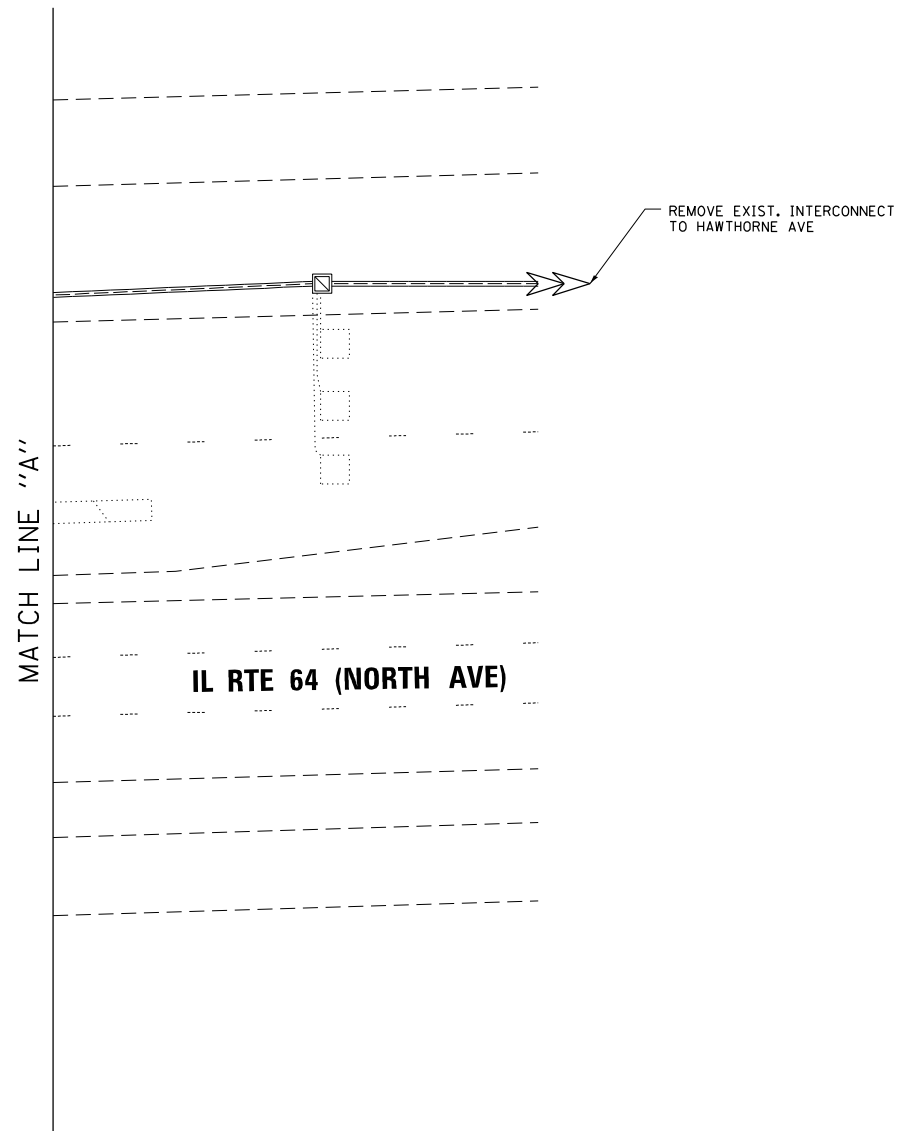
- | | | |
|---|------|--------------------------|
| 3 | EACH | CONFIRMATION BEACON |
| 3 | EACH | LIGHT DETECTOR |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER |

FILE NAME = p:\work\paw-bent\14250384\01 Documents\01 Active Projects\MH-CIS-16895100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\02021-int-TS-31-CAL.DGN

	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 64 (NORTH AVE) AT CORNELL AVE /35TH AVE (SHEET 1 OF 2)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in. PLOT DATE = \$DATE\$	DRAWN - AV, EA CHECKED - MS DATE - 3/22/2024	REVISED - REVISED - REVISED - REVISED -			307 2020-263-SUR, SW&TS FED. ROAD DIST. NO. -	COOK ILLINOIS FED. AID PROJECT	492 170	CONTRACT NO. 62N40	
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.					SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.					

**TS 3035
IDOT CENTRACS
FORMER ECON 100**

FILE NAME = p:\1\h-pur-bent\legucon\h-pur-01\Documents\01 Active Projects\WR-CHS-16895100 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor- Signal\1088121-int-TS-32.CAD.DGN



GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6055 N. NORTHWEST HIGHWAY
SUITE 200
CHICAGO, ILLINOIS 60631 TEL: 773-774-5900

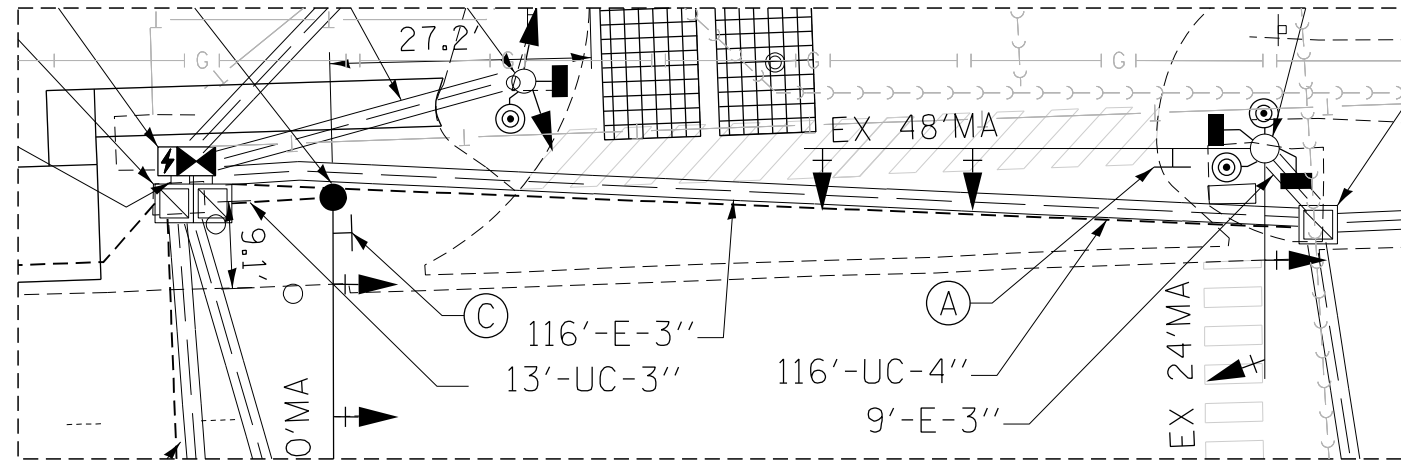
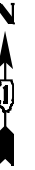
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	DRAWN - AV, EA	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

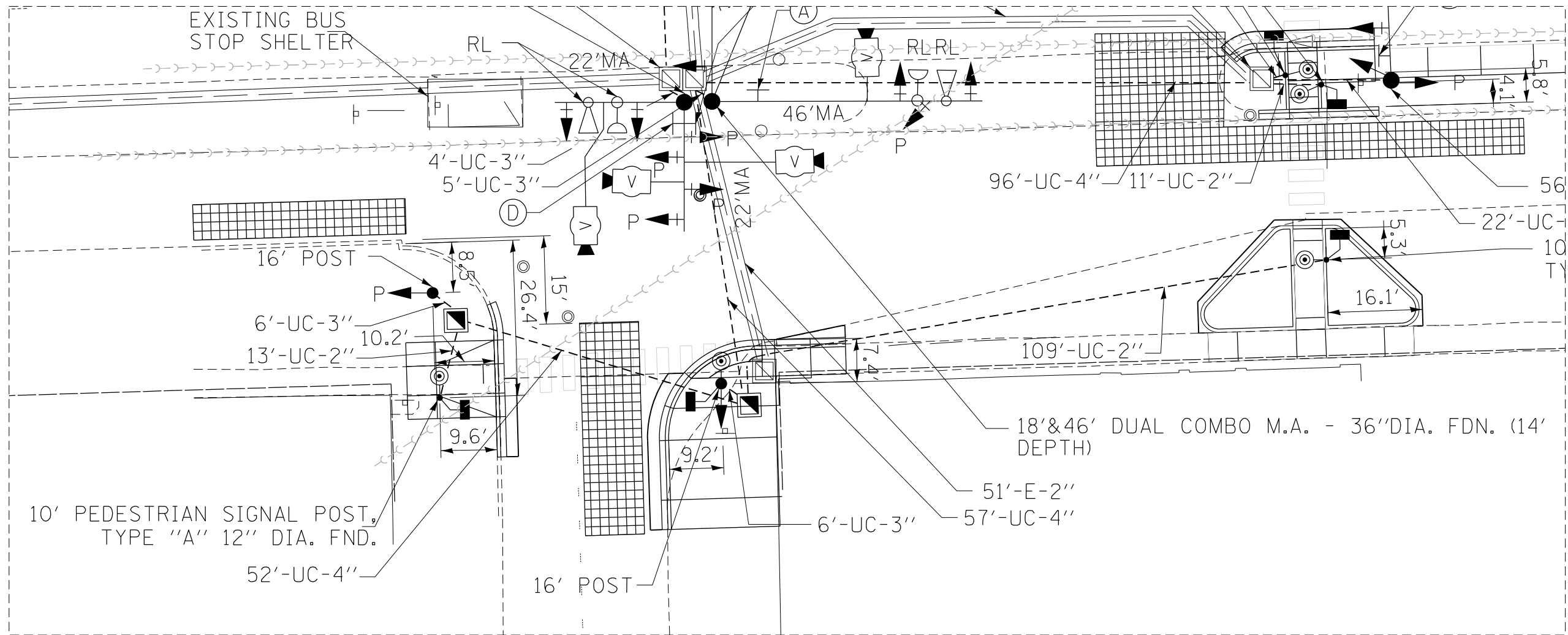
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT CORNELL AVE /35TH AVE (SHEET 2 OF 2)
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	171
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

TS 3035
IDOT CENTRACS
FORMER ECON 100

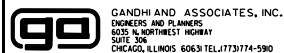


DETAIL A



DETAIL B

FILE NAME = G:\Projects\64\64-Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\020521-int-15-33A-GAL.DGN
 per\\h-pw-bentley\gucmth-pw-01\Documents\01 Active Projects\64-Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\020521-int-15-33A-GAL.DGN



GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 300
 CHICAGO, ILLINOIS 60630 TEL: 773-774-5900

USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
	DRAWN - AV, EA	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISED -
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 64 (NORTH AVE) AT CORNELL AVE /35TH AVE-DETAILS			
SCALE: 1"=10'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	173
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

TS 3035
 IDOT CENTRACS
 FORMER ECON 100

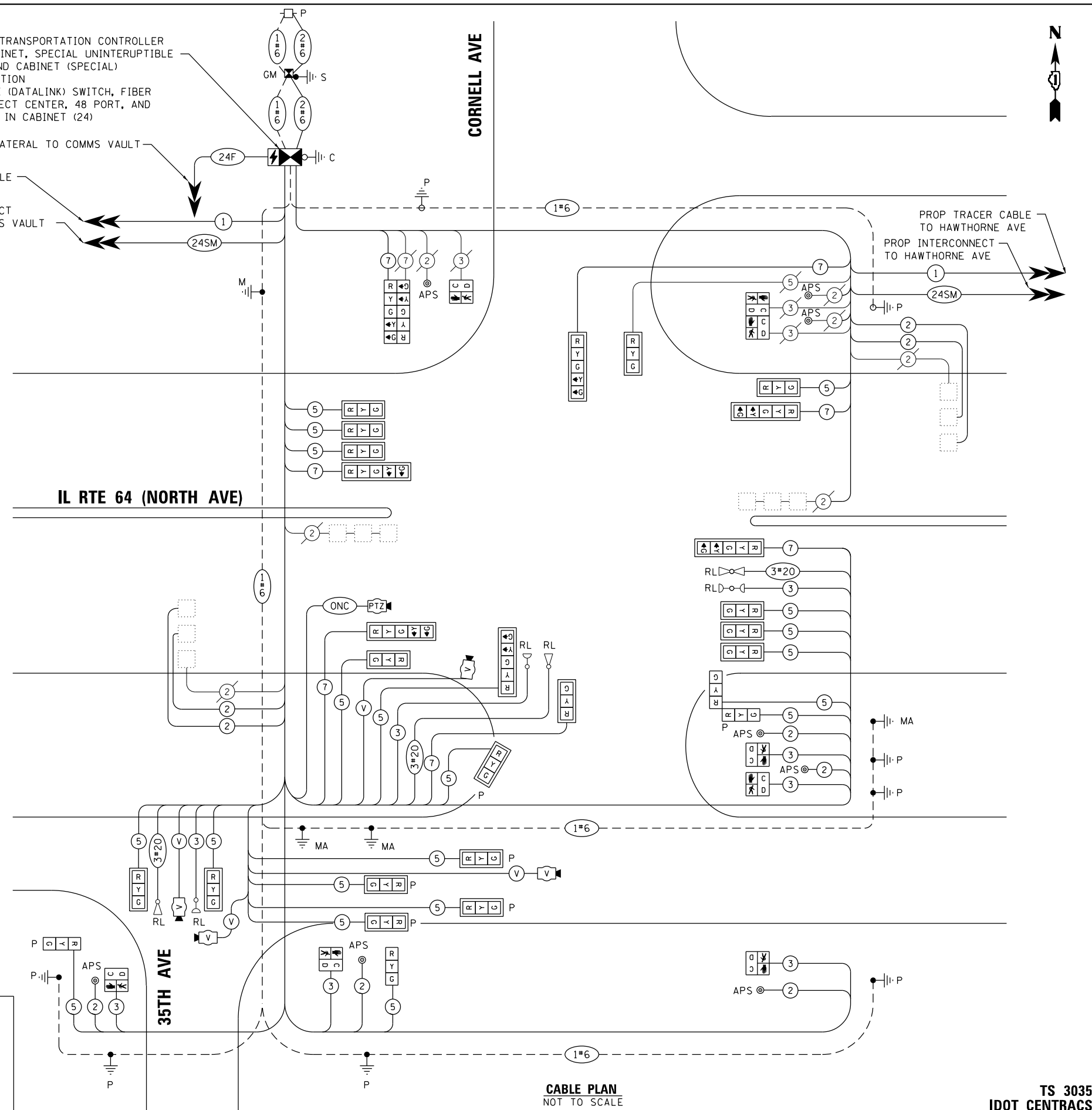
NOTES:

1. ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.

PROP. ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL UNINTERRUPTIBLE POWER SUPPLY AND CABINET (SPECIAL) ON EXIST FOUNDATION
INSTALL LAYER II (DATALINK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (24)

PROP LATERAL TO COMMS VAULT

PROP TRACER CABLE TO CMV-NO-019E
PROP INTERCONNECT TO COMMUNICATIONS VAULT CMV-NO-019E



CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	7	22	154
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	-	20
	VIDEO	3	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			802
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1407

ENERGY COSTS TO:
VILLAGE OF MELROSE PARK
1000 N 25TH AVE
MELROSE PARK, IL 60160
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 08190-18007
METER NUMBER:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN
IL RTE 64 (NORTH AVE) AT CORNELL AVE /35TH AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	174
CONTRACT NO. 62N40				

TS 3035
IDOT CENTRACS
FORMER ECON 100

FILE NAME = ...

SEQUENCE OF OPERATION

MOVEMENT	SEQUENCE OF OPERATION																				FLASH									
	1	2	3	4	5	6	7	8	9	10	11	12A	12B	13	14	15A	15B	15C	15D	16A		16B	16C	17	18	19A	19B	19C	19D	
PHASE	1+5		4		1+6		2+5		2+6		3		7		1+5, 1+6		2+5, 2+6		7		1+5, 1+6		2+5, 2+6							
INTERVAL																														
CHANGE TO		1+6	2+5	2+6			2+6		2+6			3	7			1+5, 1+6	2+5, 2+6	7									1+5, 1+6	2+5, 2+6		
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	W/B	R	R	R	R	G	G	G	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	G	G	G	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
SOUTH FRONTAGE RD ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	Y	R	R	R	R	R	R	R	R	
35TH AVE AT SOUTH FRONTAGE RD ALL SIGNALS	W/B	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	
35TH AVE AT IL 64 (NORTH AVE) FAR RIGHT MAST ARM SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	Y	R	G	G	G	G	G	G	G	G	Y	R
35TH AVE AT IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	Y	R	G	G	G	G	G	G	G	G	Y	R
CORNELL AVE NEAR RIGHT AND FAR RIGHT MAST ARM SIGNAL	S/B	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	
CORNELL AVE END MAST ARM AND FAR LEFT SIGNALS	S/B	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	
PEDESTRIAN SIGNALS CROSSING CORNELL AVE ON NORTH SIDE OF IL 64 (NORTH AVE)		H	H	H	H	P	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING 35TH AVE ON SOUTH SIDE OF SOUTH FRONTAGE RD		H	H	H	H	H	H	H	H	H	H	H	H	H	P	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING IL 64 (NORTH AVE) AND S FRONTAGE RD ON EAST SIDE OF CORNELL AVE/35TH AVE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	

PHASES 2+6 SHALL BE PLACED ON RECALL
 * TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
 ** FLASHING HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE
 P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK

Ø THE 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

WALK AND FLASHING DON'T WALK TIMINGS TO BE SET ONLY ON PHASES WHERE WALK AND FLASHING DON'T WALK ARE INDICATED IN THE SEQUENCE OF OPERATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	SEQUENCE OF OPERATION																	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	CLEAR TO NORMAL SEQUENCE												
	1	5	5	8	8	10	10	13	13	17	17	2	3																			
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	2	3		
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	OR	3	1C	2	1E	1F	3	2	1J	3	2	1M	1N	3	1Q	1R	1S	1T	2	1V	1W	1X	3	1Z	1AA	1BB	1CC	2	3		
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	R	R	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	
IL 64 (NORTH AVE) NEAR RIGHT AND THREE FAR RIGHT MAST ARM SIGNALS	W/B	R	G	G	G	Y	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	
IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	W/B	R	G	G	G	Y	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	
SOUTH FRONTAGE RD ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
35TH AVE AT SOUTH FRONTAGE RD ALL SIGNALS	W/B	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	
35TH AVE AT IL 64 (NORTH AVE) FAR RIGHT MAST ARM SIGNAL	N/B	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	
35TH AVE AT IL 64 (NORTH AVE) END MAST ARM AND FAR LEFT SIGNALS	N/B	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	
CORNELL AVE NEAR RIGHT AND FAR RIGHT MAST ARM SIGNAL	S/B	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	
CORNELL AVE END MAST ARM AND FAR LEFT SIGNALS	S/B	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	
PEDESTRIAN SIGNALS CROSSING CORNELL AVE ON NORTH SIDE OF IL 64 (NORTH AVE)		H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H		
PEDESTRIAN SIGNALS CROSSING 35TH AVE ON SOUTH SIDE OF SOUTH FRONTAGE RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H		
PEDESTRIAN SIGNALS CROSSING IL 64 (NORTH AVE) AND S FRONTAGE RD ON EAST SIDE OF CORNELL AVE/35TH AVE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H		

Ø 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 VEHICLE PREEMPTION INTERVAL AFTER EMERGENCY VEHICLE PREEMPTION INTERVAL 2 OR 3 IS TERMINATED.

**TS 3035
IDOT CENTRACS
FORMER ECON 100**

FILE NAME = p:\h-p\p\ben\lucemh\p-01\Documents\01 Active Projects\W-CIS-16989100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\SIGNAL\East Corridor - Signal\ID08121-int-15-35-0A1.DGN

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DRAWN -	REVISED -	
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PLOT DATE = \$DATE\$	DATE - 9/20/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SEQUENCE OF OPERATION AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
IL RTE 64 (NORTH AVE) AT CORNELL AVE/35TH AVE**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

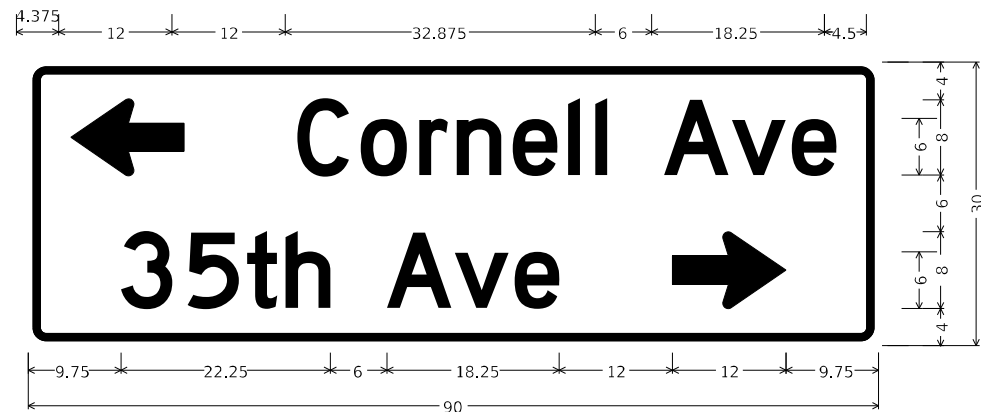
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	175
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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	2

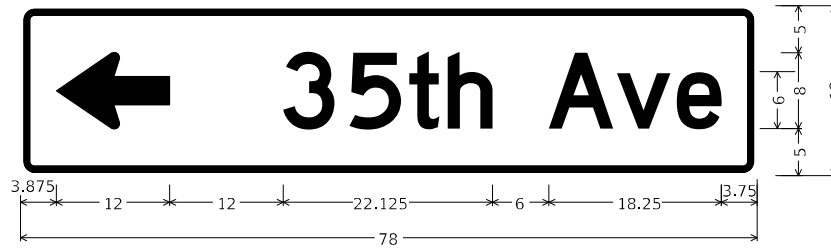


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.75	2	ZZ	1

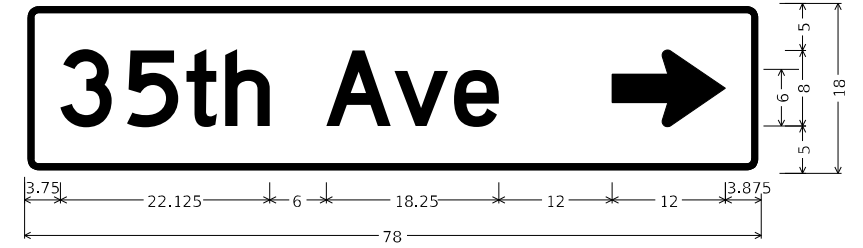


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.75	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 2	SQ FT	82
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	143
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	56
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	428
HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1344
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2092
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4090
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1318
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1511
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	79
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	506
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	11
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	14
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
DRILL EXISTING HANDHOLE	EACH	14
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
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	21
INDUCTIVE LOOP DETECTOR	EACH	8
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	11040
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	713
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	168
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	3
LED SIGNAL FACE VISOR HEATER	EACH	27
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 18 FT. AND 46 FT.	EACH	1

* 100% COST TO THE VILLAGE OF MELROSE PARK

**TS 3035
IDOT CENTRACS
FORMER ECON 100**

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PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND CORNELL AVE /35TH AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR-SW&TS	COOK	492	176
CONTRACT NO. 62N40				

SCALE: SHEET 1 OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



REMOVAL AND RELOCATION NOTES:

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

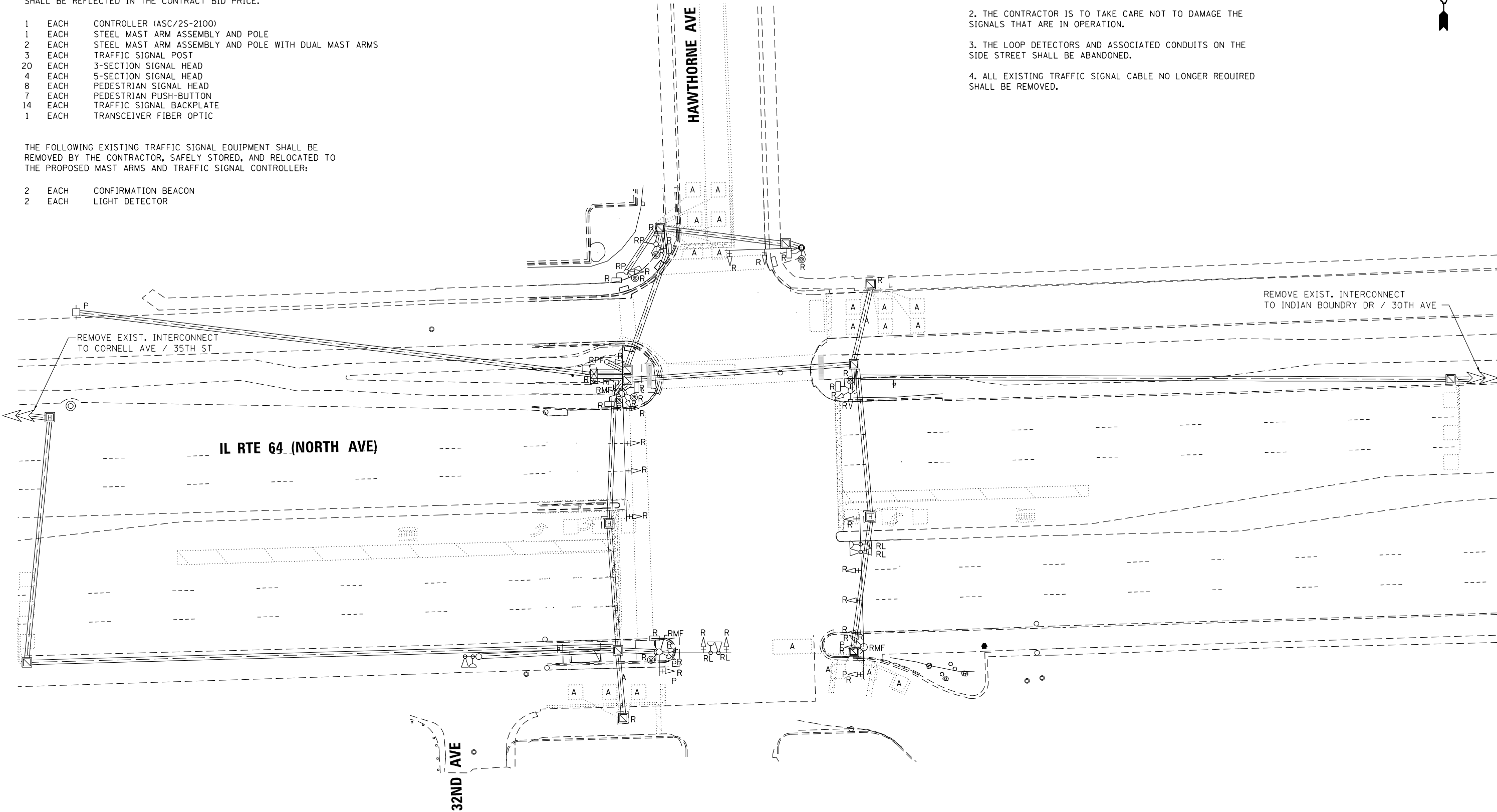
- 1 EACH CONTROLLER (ASC/2S-2100)
- 1 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
- 3 EACH TRAFFIC SIGNAL POST
- 20 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 7 EACH PEDESTRIAN PUSH-BUTTON
- 14 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR

NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



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GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 308
 CHICAGO, ILLINOIS 60630
 TEL: 773.774.590

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PLOT SCALE = 40.0000" / 1"	CHECKED - MS	REVISED -
PLOT DATE = \$DATE*	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT HAWTHORNE AVE / 32ND AVE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

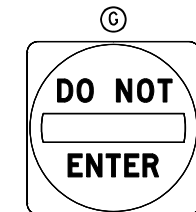
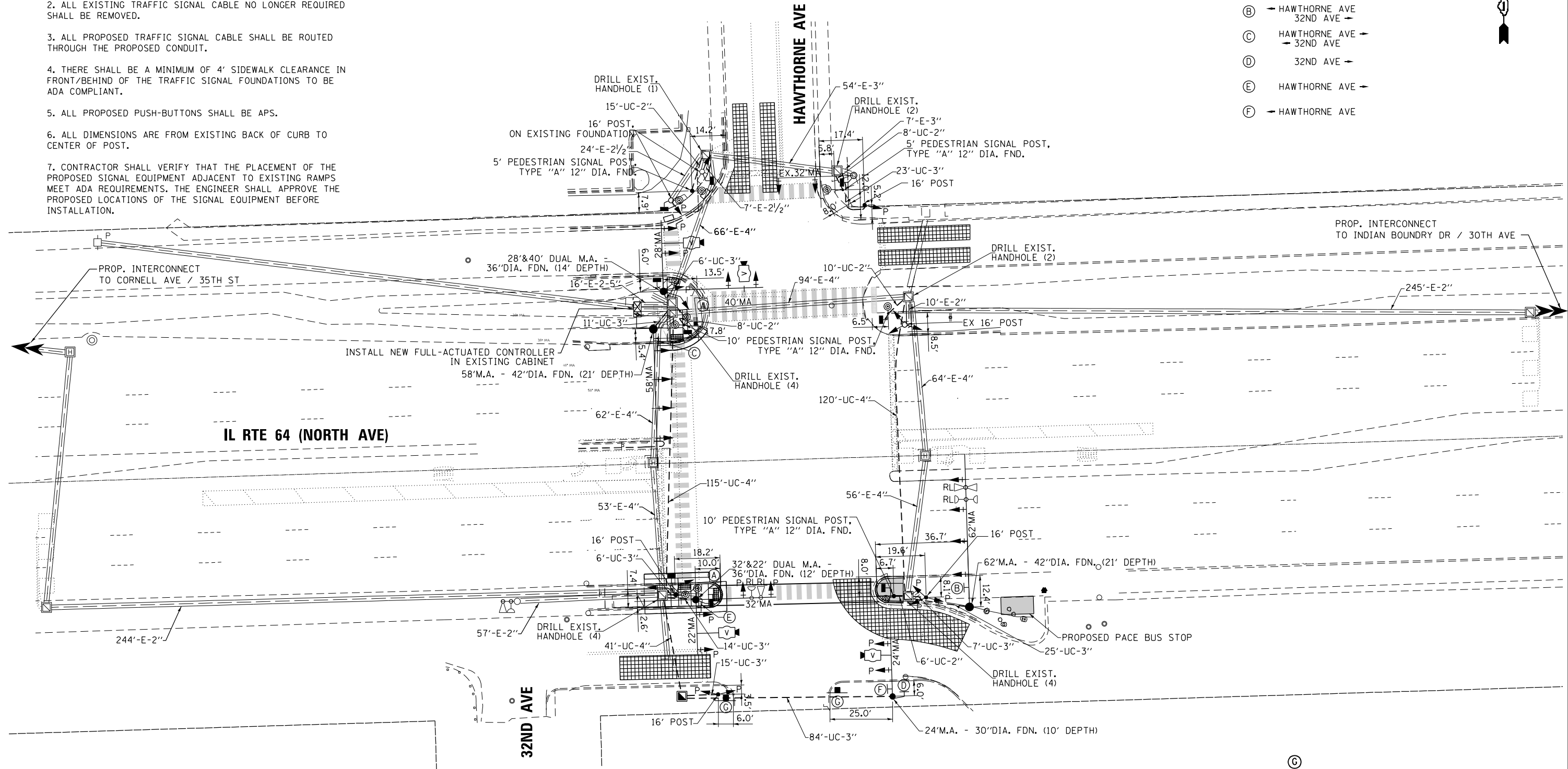
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	177
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

TS 3045
 IDOT CENTRACS
 FORMER ECON 100

NOTES:

1. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
3. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
4. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
5. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
6. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
7. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.

- (A) IL RTE 64 NORTH AVE
- (B) ← HAWTHORNE AVE 32ND AVE →
- (C) HAWTHORNE AVE → ← 32ND AVE
- (D) 32ND AVE ←
- (E) HAWTHORNE AVE →
- (F) ← HAWTHORNE AVE



R5-1, 30" X 30"
(2 REQUIRED)

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DRAWN - AV, EA	REVISIONS -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT HAWTHORNE AVE / 32ND AVE**

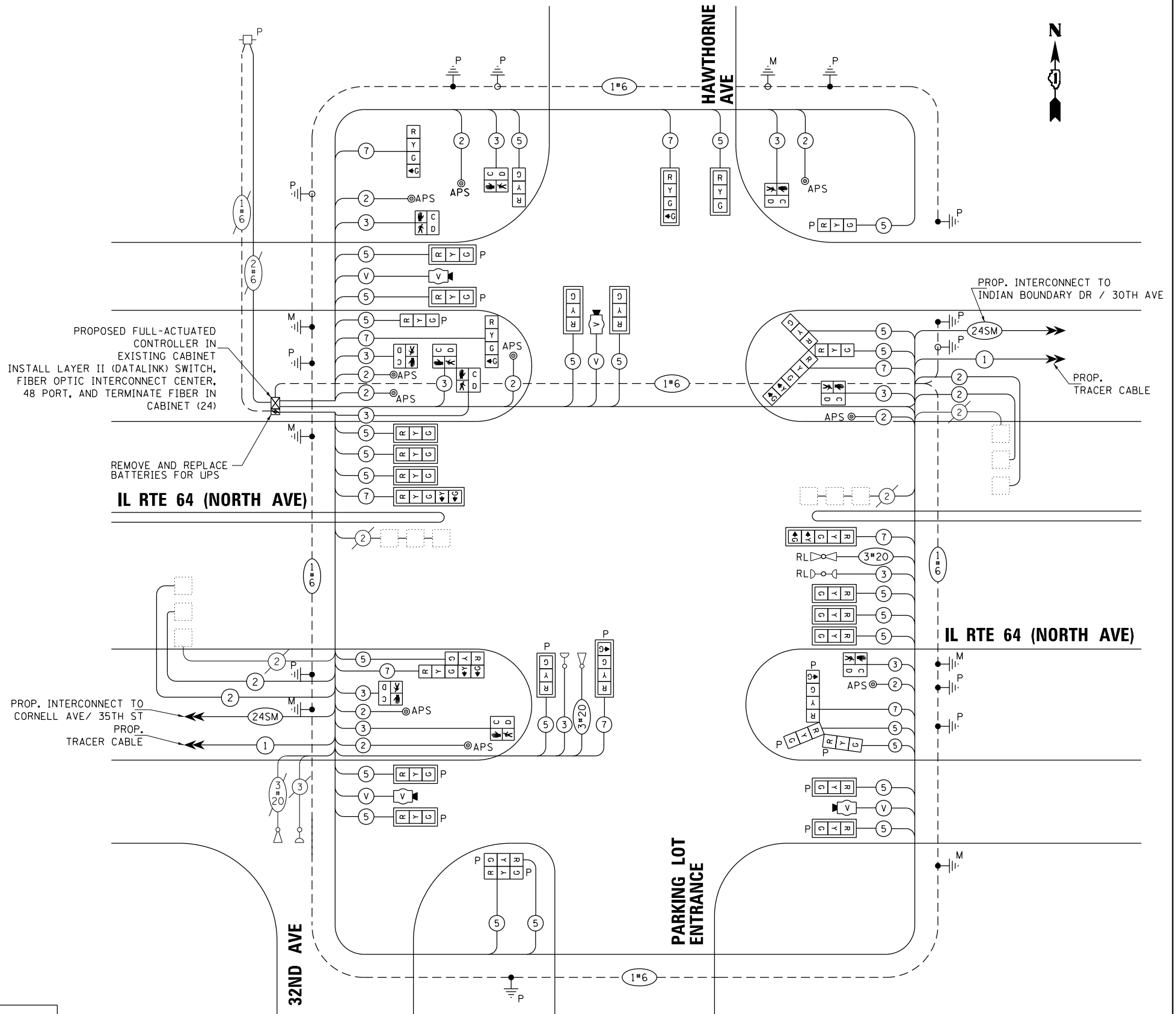
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	178
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

**TS 3045
IDOT CENTRACS
FORMER ECON 100**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

NOTES:

1. ONLY RED SIGNAL FACES SHALL HAVE VISOR HEATER INSTALLED.



PROPOSED FULL-ACTUATED CONTROLLER IN EXISTING CABINET
INSTALL LAYER II (DATALINK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (24)

REMOVE AND REPLACE BATTERIES FOR UPS

IL RTE 64 (NORTH AVE)

PROP. INTERCONNECT TO CORNELL AVE/ 35TH ST
PROP. TRACER CABLE

PROP. INTERCONNECT TO INDIAN BOUNDARY DR / 30TH AVE

PROP. TRACER CABLE

IL RTE 64 (NORTH AVE)

PARKING LOT ENTRANCE

CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	13	11	143
4-SECTION	3	14	42
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	13	22	286
4-SECTION	2	32	64
5-SECTION	-	28	-
PED.SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			1027
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1632

ENERGY COSTS TO:
VILLAGE OF MELROSE PARK
1000 N 25TH AVE
MELROSE PARK, IL 60160
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 08190-18007
METER NUMBER:

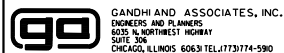
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN
IL RTE 64 (NORTH AVE) AT HAWTHORNE AVE / 32ND AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	179
CONTRACT NO. 62N40				

TS 3045
IDOT CENTRACS
FORMER ECON 100

FILE NAME = ... \Projects\11.2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\108021-int-15-3B.CAD.DGN



USER NAME = \$USER\$
DESIGNED - AV, EA
DRAWN - AV, EA
PLOT SCALE = 40.0000' / in.
CHECKED - MS
DATE - 3/22/2024

REVISED -
REVISED -
REVISED -
REVISED -

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT

SEQUENCE OF OPERATION

Table showing traffic signal sequence of operation for IL 64 (North Ave) with columns for phases (1+5, 1+6, 2+5, 2+6, 3, 4, 7) and rows for various signal types and pedestrian crossings.

PHASES 2+6 SHALL BE PLACED ON RECALL TO APPEAR ONLY UPON PUSHBUTTON ACTUATION ** FLASHING HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE

THE 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

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

Table detailing emergency vehicle preemption sequence with columns for operation interval numbers (1, 5, 8, 11, 14, 16, 20) and rows for signal types and pedestrian crossings.

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 VEHICLE PREEMPTION INTERVAL AFTER EMERGENCY VEHICLE PREEMPTION INTERVAL 2, 3 OR 4 IS TERMINATED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

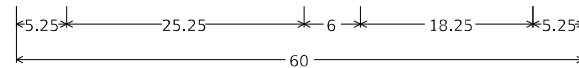
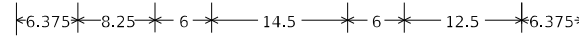
SEQUENCE OF OPERATION AND EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION IL RTE 64 (NORTH AVE) AT HAWTHORNE AVE /32ND AVE

Table with project details including F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO.

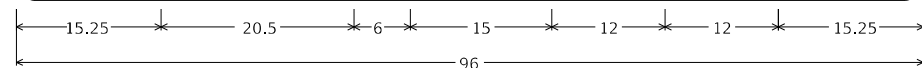
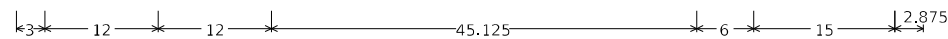
TS 3045 IDOT CONTRACS FORMER ECON 100

SIGN PANEL – TYPE 1 OR TYPE 2

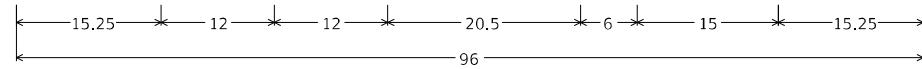
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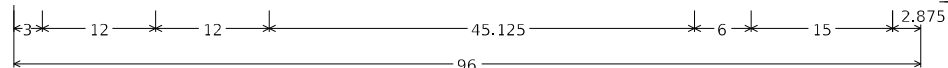
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2



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

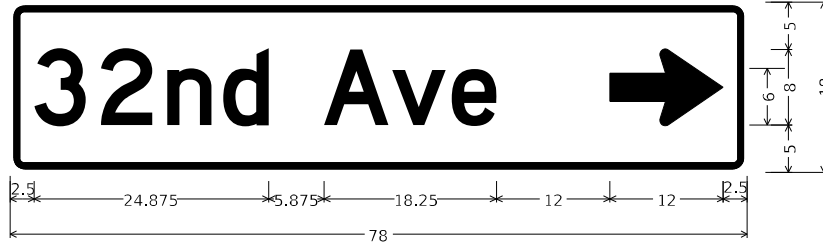


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	20	2	ZZ	1

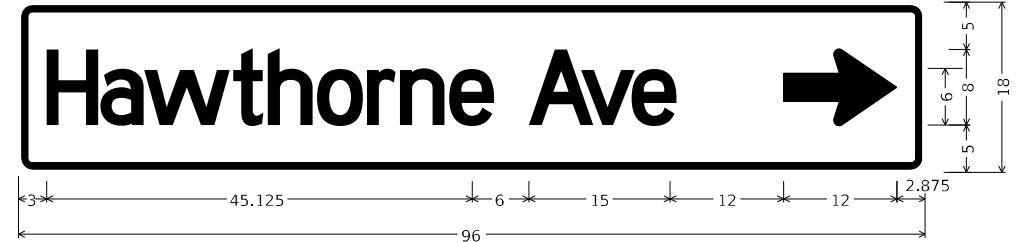


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	12	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	12	2	ZZ	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	12.5
SIGN PANEL - TYPE 2	SQ FT	98.75
METAL POST - TYPE A	FOOT	26
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	47
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	191
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	276
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1376
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2015
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5028
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1740
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1584
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	805
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	EACH	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
DRILL EXISTING HANDHOLE	EACH	17
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	19
INDUCTIVE LOOP DETECTOR	EACH	4
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10450
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	578
CENTRACS LICENSE EXPANSION	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	4
LED SIGNAL FACE VISOR HEATER	EACH	35
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
ELECTRIC METER	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 40 FT.	EACH	1

* 100% COST TO THE VILLAGE OF MELROSE PARK

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USER NAME = joel.turk	DESIGNED - AMK	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - JJT	REVISED -
PLOT DATE = 3/22/2024	CHECKED - SS	REVISED -
	DATE - 3/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND HAWTHORNE AVE /32ND ST

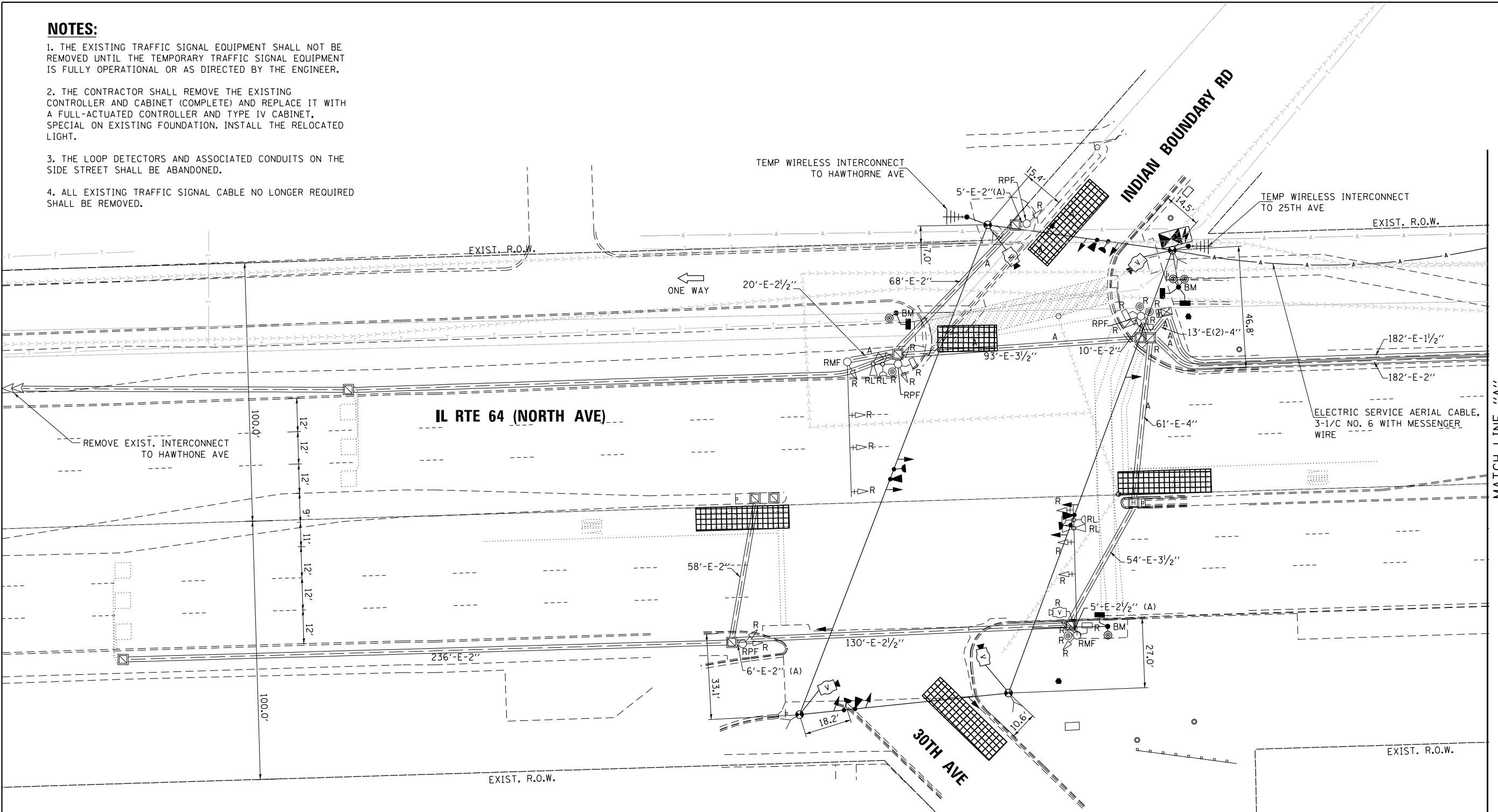
SCALE: SHEET 1 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	181
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

TS 3045
IDOT CENTRACS
FORMER ECON 100

NOTES:

1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE TEMPORARY TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON EXISTING FOUNDATION. INSTALL THE RELOCATED LIGHT.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



REMOVAL AND RELOCATION NOTES:

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

- 2 EACH STEEL MAST ARM ASSEMBLY AND POST
- 11 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH CONTROLLER (ASC/2S-2100) AND CABINET (TS-1) COMPLETE
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
- 1 EACH VIDEO DETECTION SYSTEM

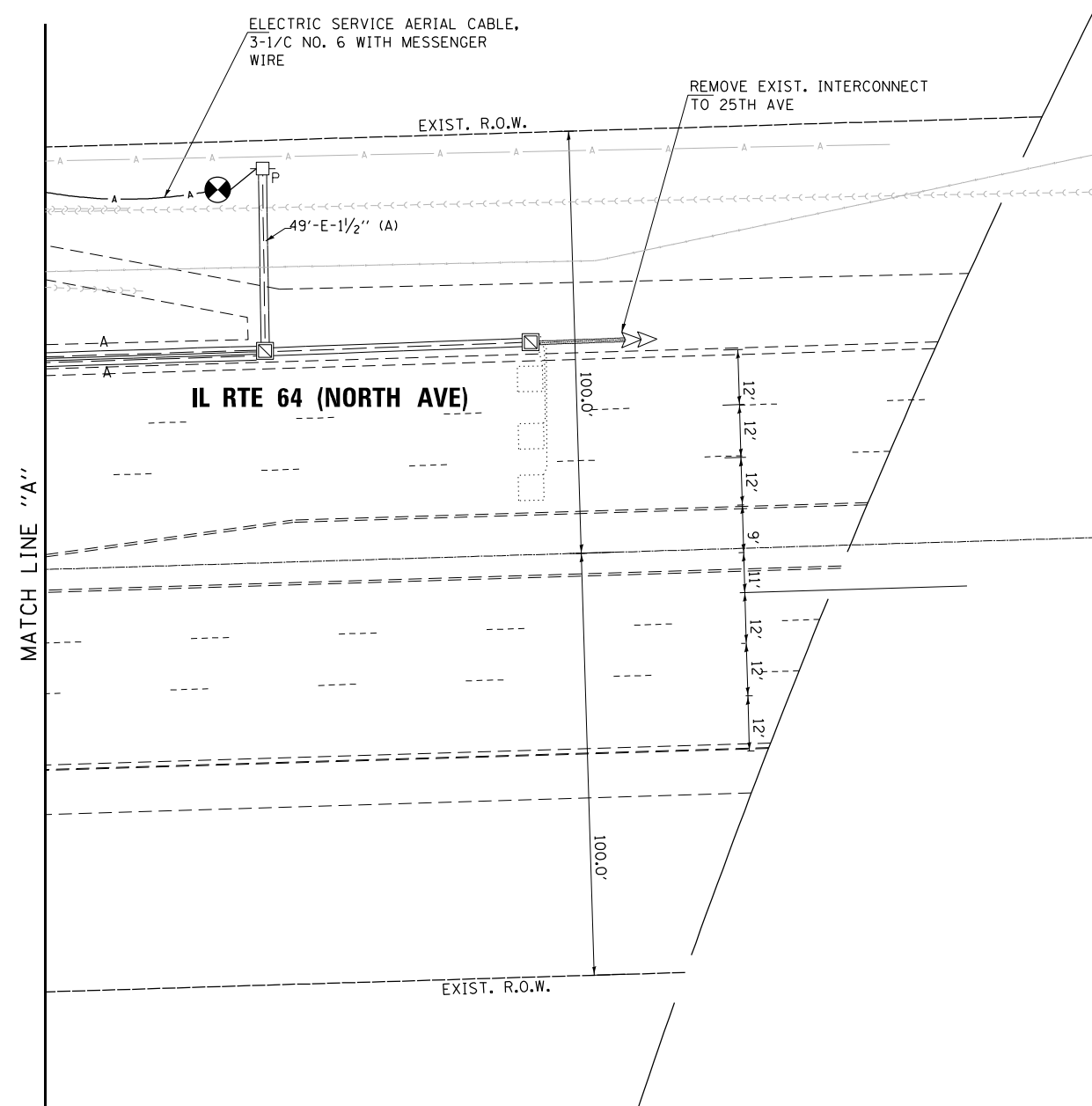
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORE AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

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**TS 3050
IDOT CENTRACS
FORMER ECON 100**

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 5035 N. NORTHWEST HIGHWAY CHICAGO, ILLINOIS 60630 TEL: 773-774-5900	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 64 (NORTH AVE) AT INDIAN BOUNDARY RD /30TH AVE (SHEET 1 OF 2)			F.A.P. RTE. 307	SECTION 2020-263-SUR, SW&TS	COUNTY COOK	TOTAL SHEETS 492	SHEET NO. 182
	PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISIED -		REVISIED -	SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 62N40			
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISIED -	REVISIED -	FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT								



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GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 308
CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
DRAWN - AV, EA	CHECKED - MS	REVISED -
PLOT SCALE = 40.0000 ' / in.	DATE - 3/22/2024	REVISED -
PLOT DATE = \$DATE\$		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE
EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN IL RTE 64 (NORTH AVE)
AT INDIAN BOUNDARY RD /30TH AVE (SHEET 2 OF 2)**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

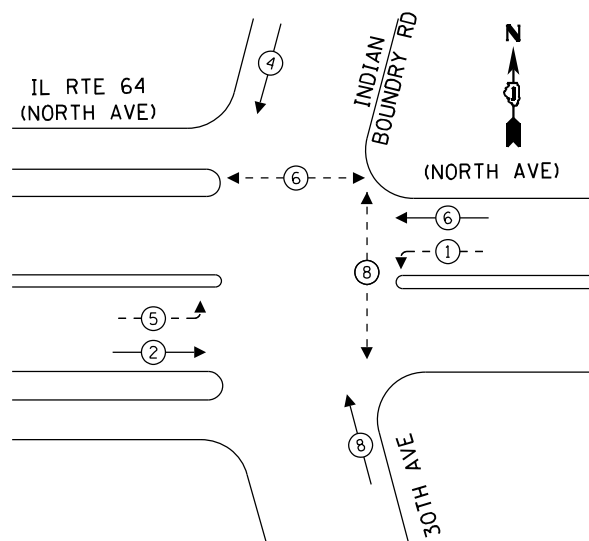
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	183

CONTRACT NO. 62N40

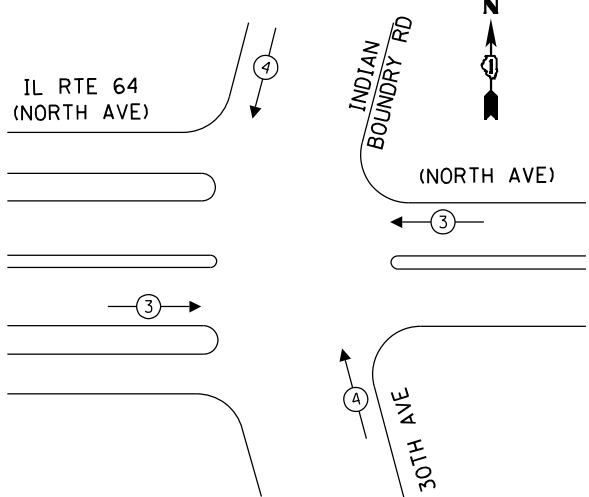
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT

**TS 3050
IDOT CENTRACS
FORMER ECON 100**

TEMPORARY CONTROLLER SEQUENCE



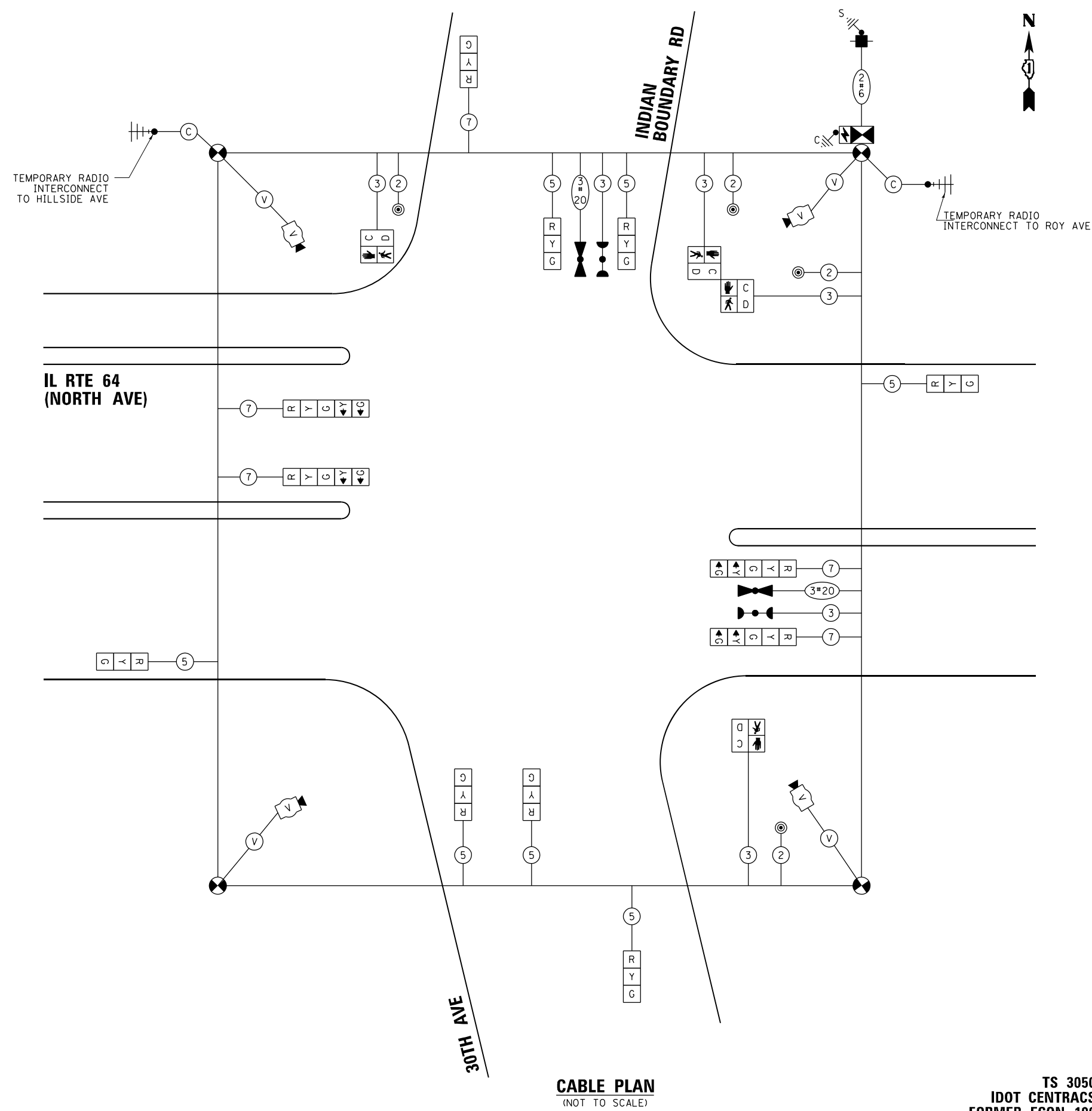
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			455
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1060

ENERGY COSTS TO:
 VILLAGE OF MELROSE PARK
 1000 N 25TH AVE
 MELROSE PARK, IL 60160
 ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: 630-424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 08190-18007
 METER NUMBER:



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
 AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 64 (NORTH AVE) AT INDIAN BOUNDARY RD /30TH AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	184
				CONTRACT NO. 62N40

TS 3050
 IDOT CENTRACS
 FORMER ECON 100

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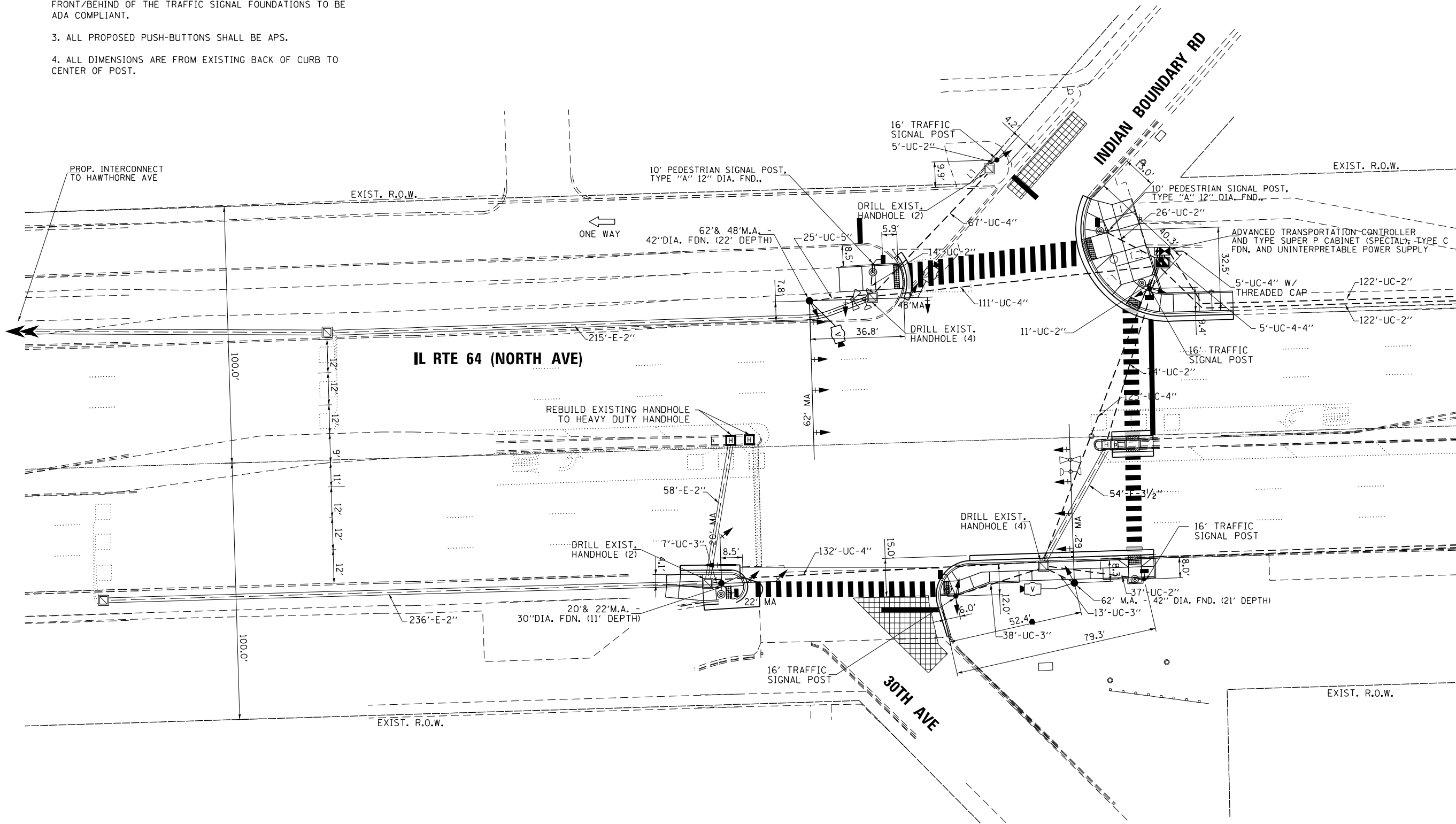
GA GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 308
 CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

DESIGNED	REVISIONS
- AV, EA	-
DRAWN - AV, EA	REVIS
CHECKED - MS	REVIS
DATE - 3/22/2024	REVIS

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

NOTES:

1. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
2. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
3. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
4. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.



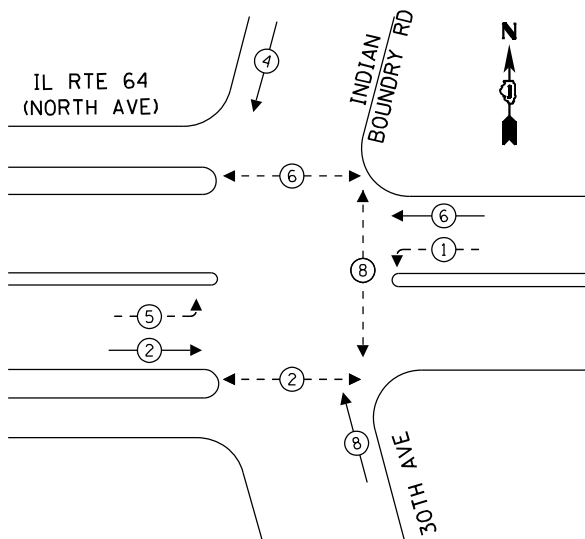
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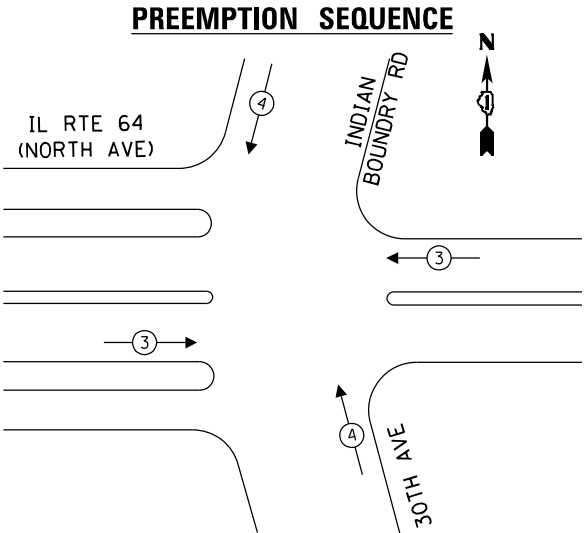
**TS 3050
IDOT CONTRACS
FORMER ECON 100**

	USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 64 (NORTH AVE) AT INDIAN BOUNDARY RD /30TH AVE (SHEET 1 OF 2)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	DRAWN - AV, EA	CHECKED - MS	REVISED -		PLOT SCALE = 48.0000' / in.	DATE - 3/22/2024	SCALE: 1"=20'	SHEET NO.	OF	SHEETS	STA.	TO	STA.	307	2020-263-SUR, SW&TS	COOK
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISIED -	REVISIED -		SCALE: 1"=20'	SHEET NO.	OF	SHEETS	STA.	TO	STA.	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT CONTRACT NO. 62N40				

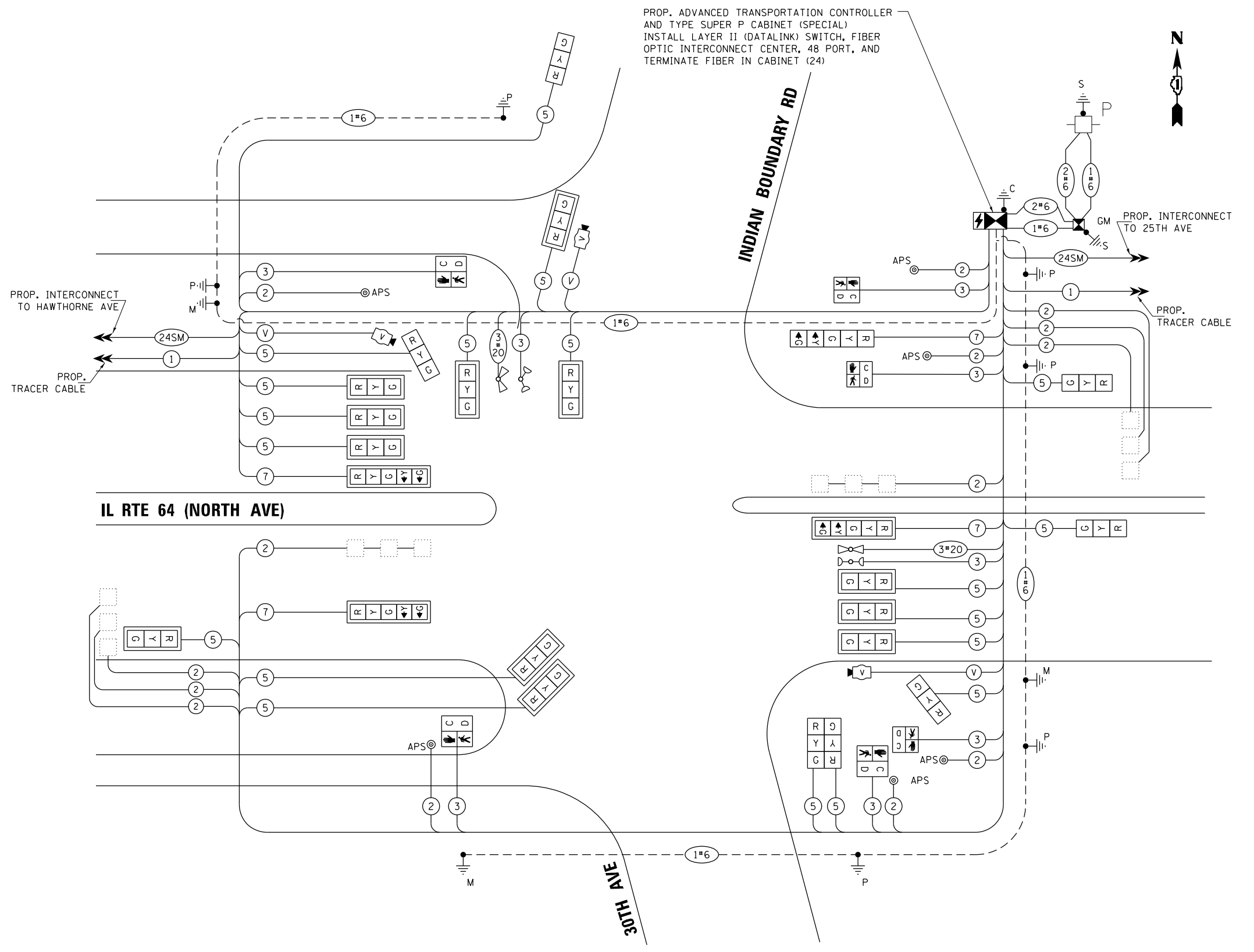
PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROP. ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER P CABINET (SPECIAL) INSTALL LAYER II (DATALINK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (24)



CABLE PLAN
NOT TO SCALE

NOTES:
1. ONLY RED SIGNAL FACES SHALL HAVE LENS COVER INSTALLED.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	18	11	198
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	3	20	60
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			575
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1180

ENERGY COSTS TO:
VILLAGE OF MELROSE PARK
1000 N 25TH AVE
MELROSE PARK, IL 60160
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 08190-18007
METER NUMBER:

FILE NAME = ...



USER NAME = \$USER\$
DESIGNED - AV, EA
DRAWN - AV, EA
CHECKED - MS
DATE - 3/22/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) AT INDIAN BOUNDARY RD /30TH AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	187
CONTRACT NO. 62N40				

TS 3050
IDOT CENTRACS
FORMER ECON 100

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

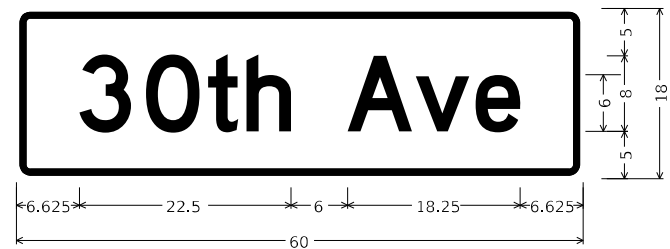
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

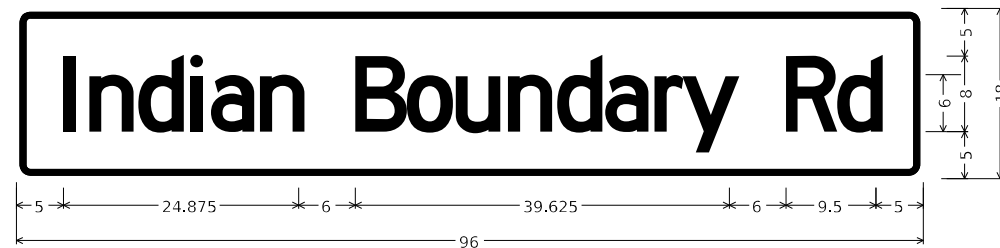


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.5	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

NOTE: TWO SIGNS ARE TO BE PLACED BACK TO BACK ON 54" MA OVER EB IL 64.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	12	2	ZZ	2

NOTE: TWO SIGNS ARE TO BE PLACED BACK TO BACK ON 54" MA OVER WB IL 64.

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SO FT	15
SIGN PANEL - TYPE 2	SO FT	49
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	565
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	58
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	485
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	979
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1457
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3966
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	869
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2373
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	210
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1186
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	11
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	43
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	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	15
INDUCTIVE LOOP DETECTOR	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
* 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	11438
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	2
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	436
CENTRACS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	3
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
LED SIGNAL FACE, LENS COVER	EACH	22
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 20 FT. AND 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. AND 62 FT.	EACH	1

* 100% COST TO THE VILLAGE OF MELROSE PARK

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USER NAME = joelturk	DESIGNED - AMK	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - SS	REVISED -
PLOT DATE = 3/22/2024	DATE - 3/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND INDIAN BOUNDARY RD /30TH AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	188
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

**TS 3050
IDOT CENTRACS
FORMER ECON 100**

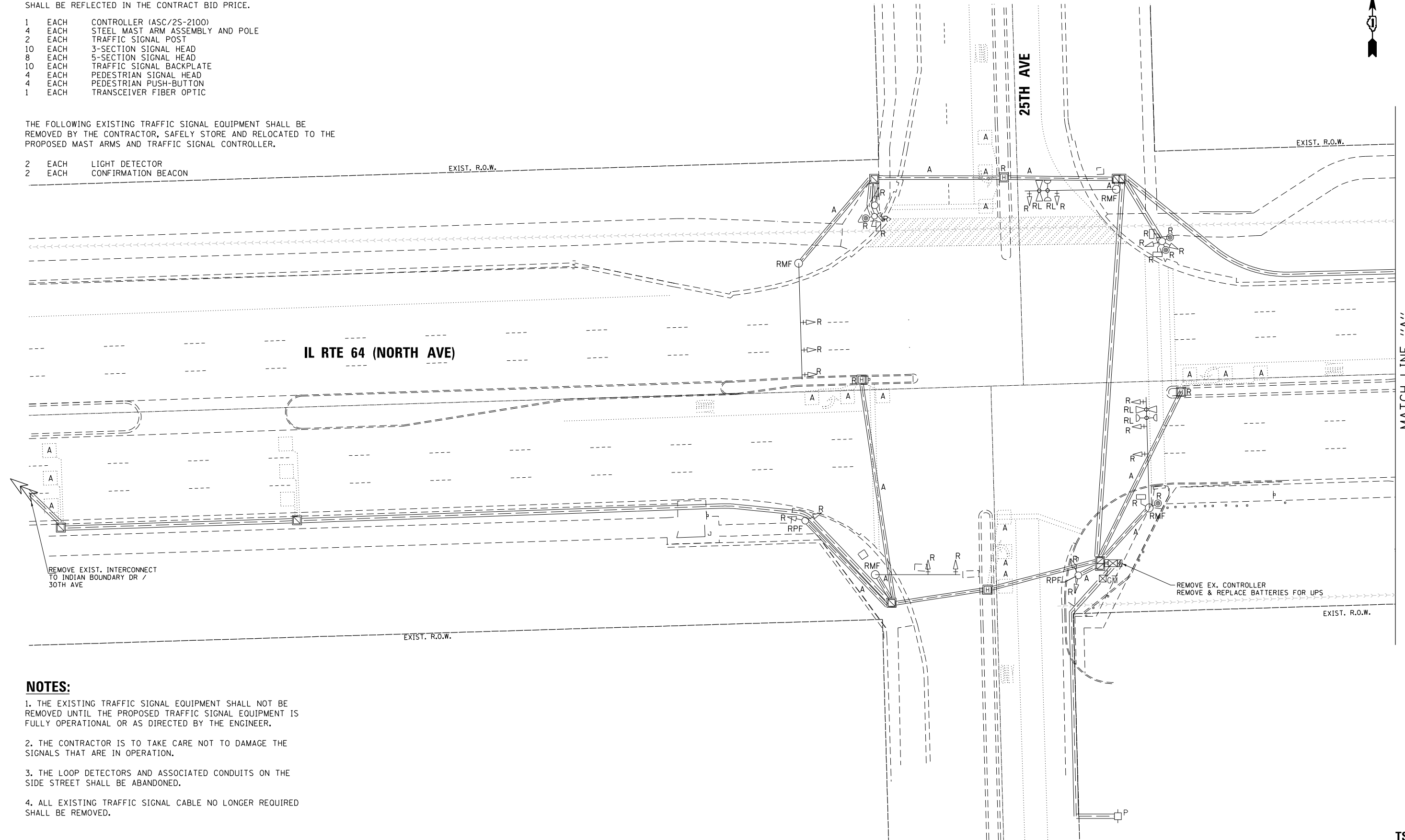
REMOVAL AND RELOCATION NOTES:

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

- 1 EACH CONTROLLER (ASC/2S-2100)
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 2 EACH TRAFFIC SIGNAL POST
- 10 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 10 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORE AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER.

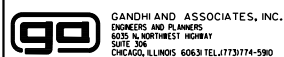
- 2 EACH LIGHT DETECTOR
- 2 EACH CONFIRMATION BEACON



NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME = p:\1\h-pa-bent\gucemh-pa-01\Documents\01 Active Projects\W-CIS-16995100 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\1008121-int-rs-46.dwg



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DRAWN - AV, EA	REVISIONS -	
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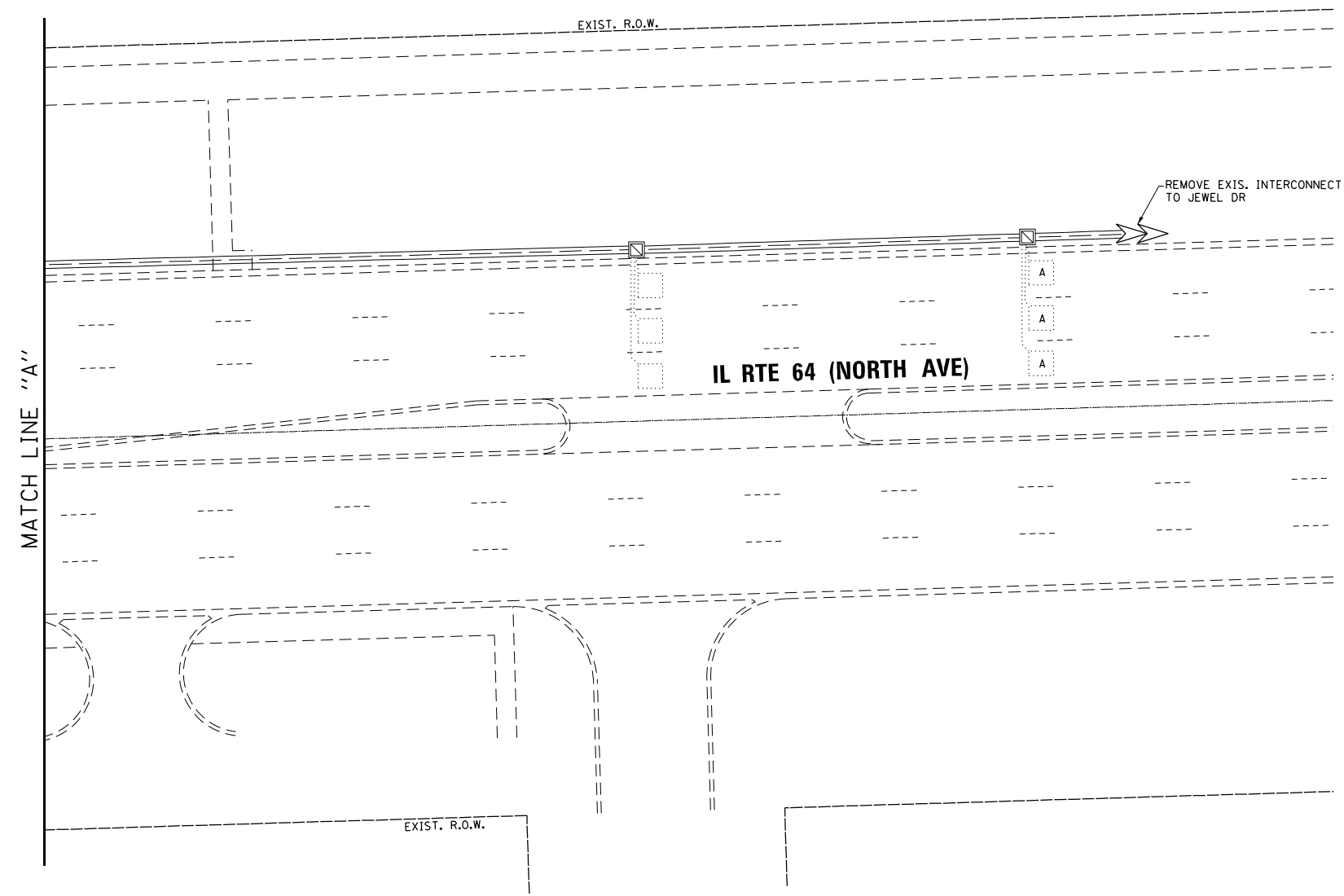
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT 25TH AVE (SHEET 1 OF 2)**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	189
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

**TS 3020
IDOT CENTRACS
FORMER ECON 100**



FILE NAME = p:\h-pa-bent\gucm\h-pa-01\Documents\01 Active Projects\W-CIS-16695100 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\0108121-hk-ts-47.dwg



GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
6035 N. NORTHWEST HIGHWAY
SUITE 206
CHICAGO, ILLINOIS 60630 TEL: 773/774-590

USER NAME = \$USER\$
DESIGNED - AV, EA
DRAWN - AV, EA
PLOT SCALE = 40.0000' / in.
CHECKED - MS
PLOT DATE = \$DATE\$
DATE - 3/22/2024

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT 25TH AVE (SHEET 2 OF 2)**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

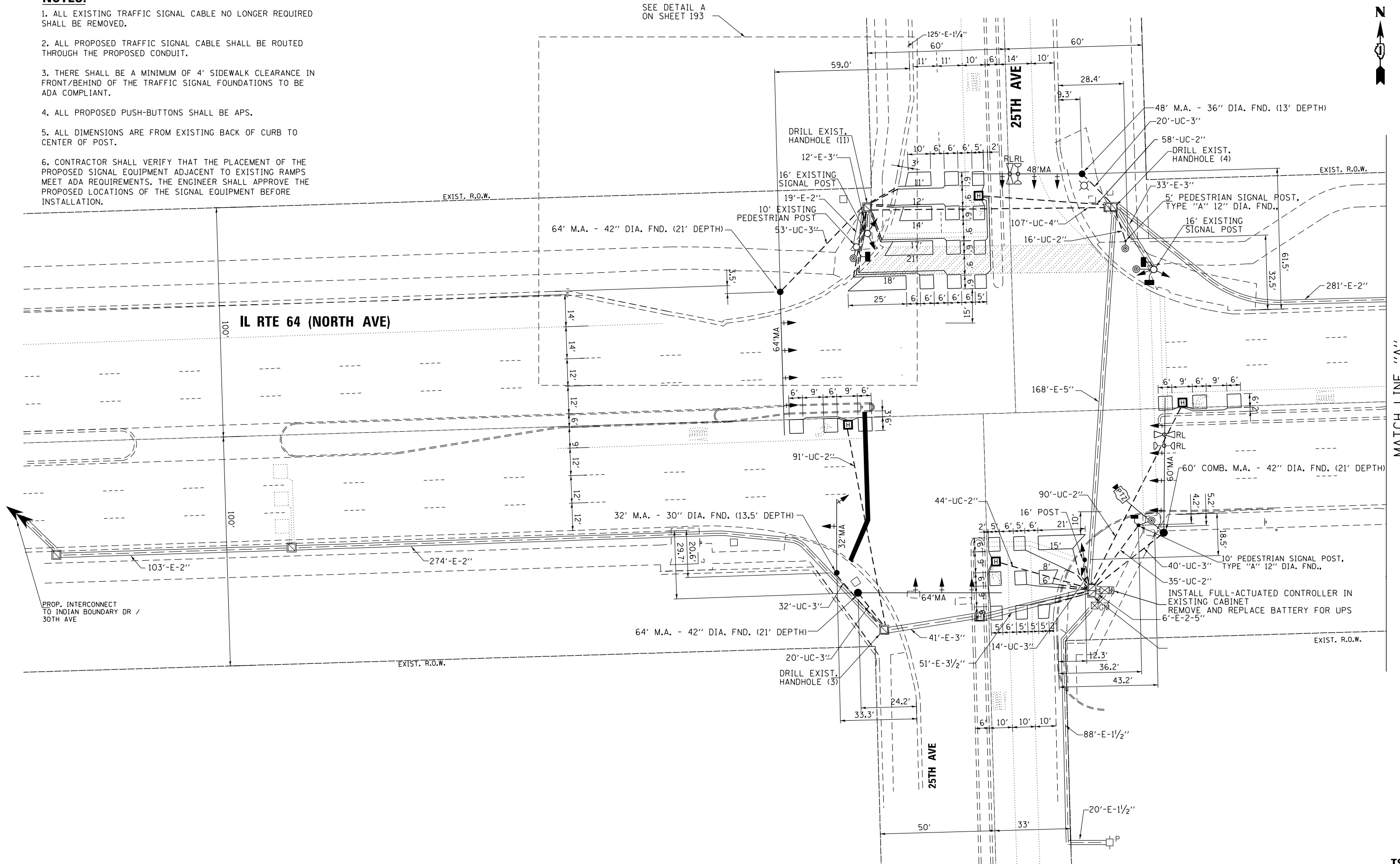
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	190
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

**TS 3020
IDOT CENTRACS
FORMER ECON 100**

NOTES:

1. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
2. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
3. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
4. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
5. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
6. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.

SEE DETAIL A ON SHEET 193



FILE NAME = p:\h-p\p-bent\gucemh-pa-01\Documents\01 Active Projects\W-CIS-16955100 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\010821-int-TS-48-0A1.DGN

PROP. INTERCONNECT TO INDIAN BOUNDARY DR / 30TH AVE

MATCH LINE "A"

**TS 3020
IDOT CENTRACS
FORMER ECON 100**



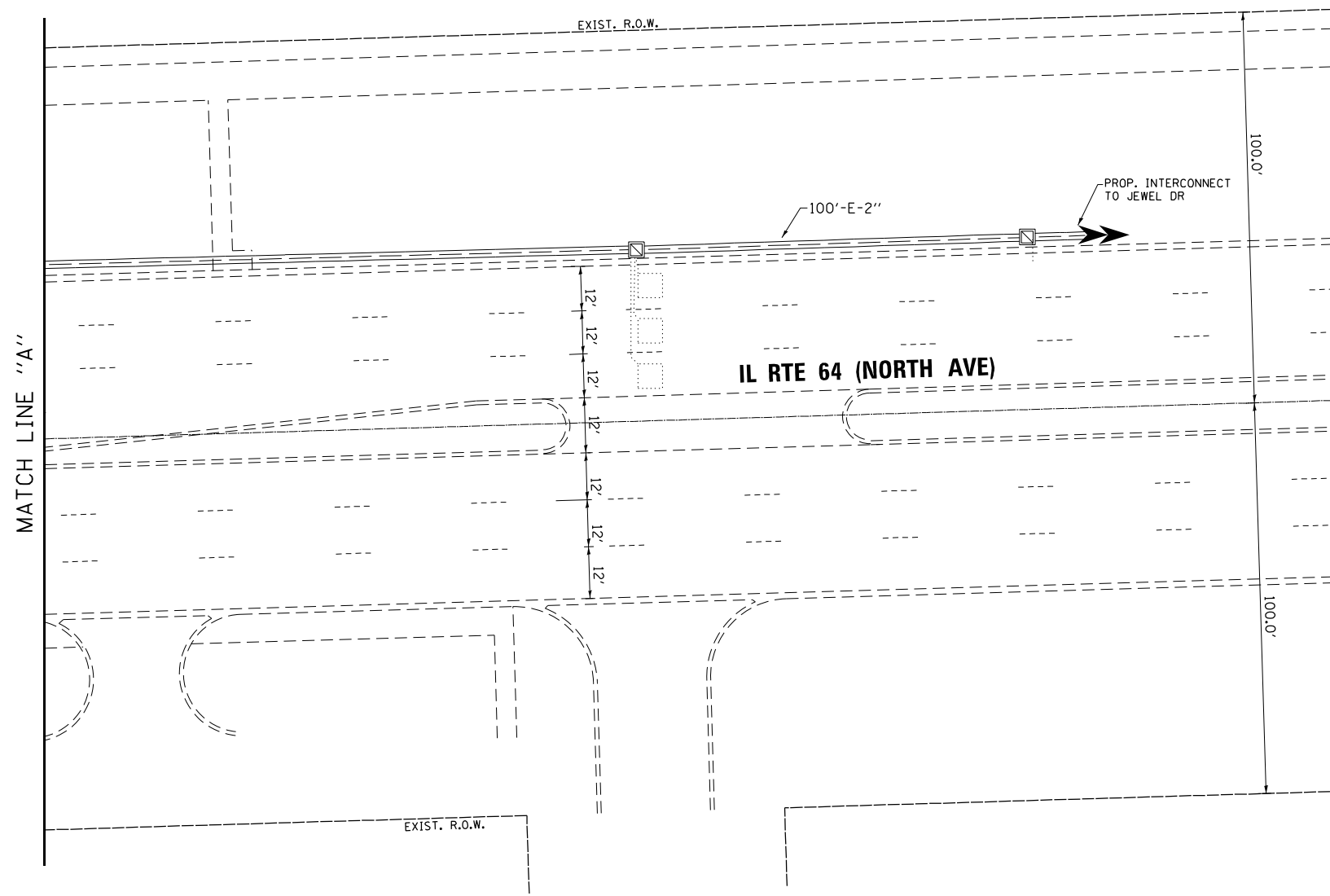
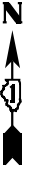
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

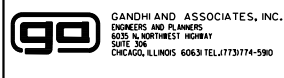
**TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT 25TH AVE (SHEET 1 OF 2)**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	191
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



FILE NAME = p:\h-pa-bent\jucumh-pa-01\Documents\01 Active Projects\W-015-16595100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\0108121-int-TS-49_GA1.DGN



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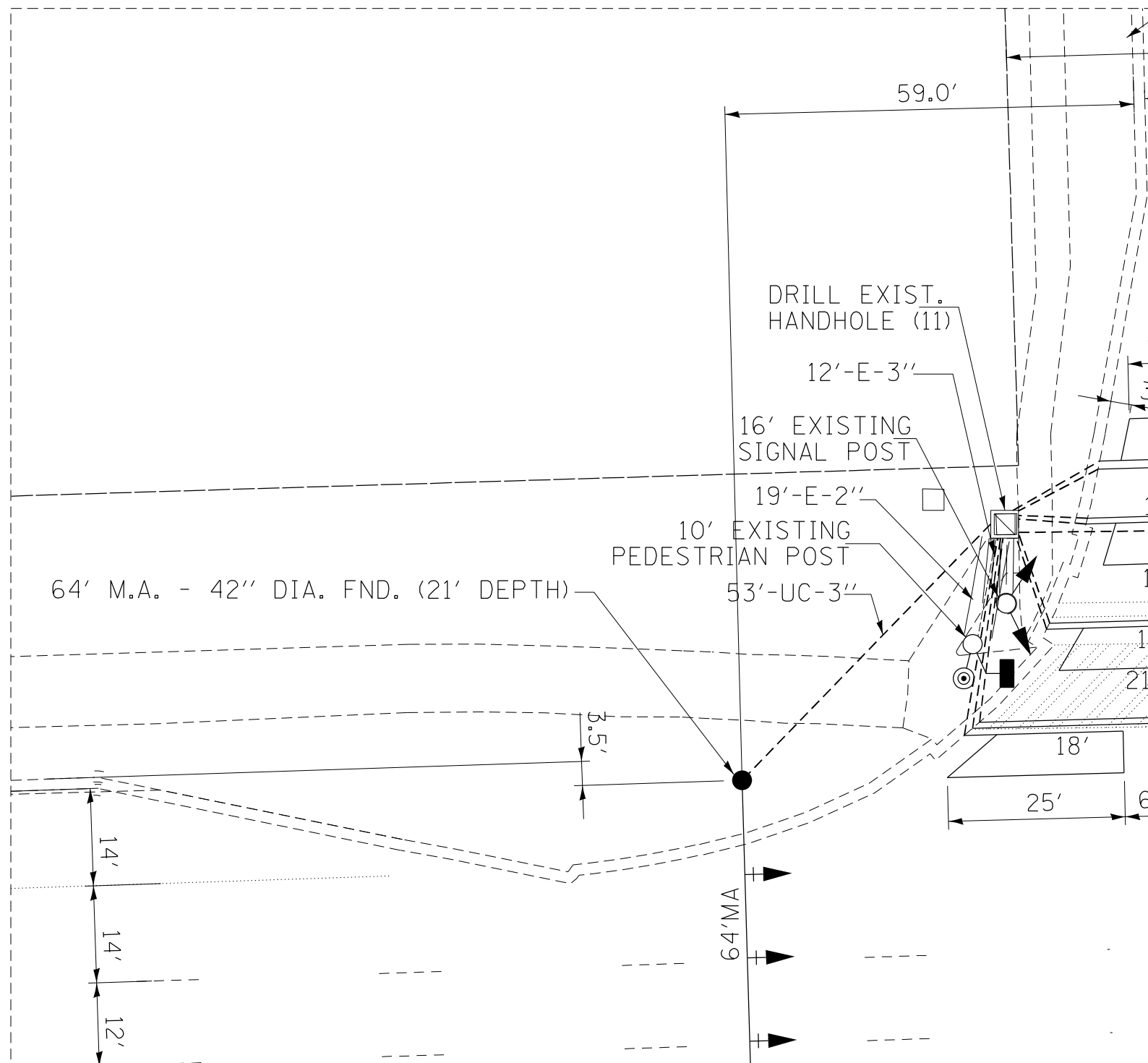
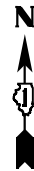
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 64 (NORTH AVE) AT 25TH AVE (SHEET 2 OF 2)**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

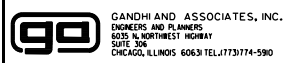
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	192
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

**TS 3020
IDOT CENTRACS
FORMER ECON 100**



DETAIL A

FILE NAME = p:\h-p\ben\luc\cmh\p-01\Documents\01 Active Projects\W-CHS-16695100 - IL 64\Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\108021-int-TS-49A-GH1.DGN



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 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773-774-590

USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
DRAWN - AV, EA	REVISIONS -	
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DATE - 3/22/2024	REVISIONS -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

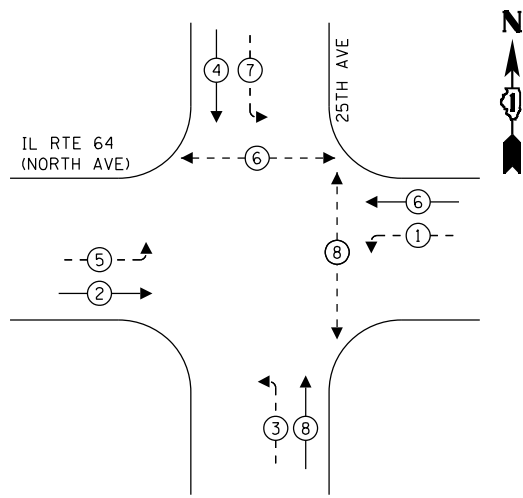
TRAFFIC SIGNAL MODERNIZATION PLAN
 IL RTE 64 (NORTH AVE) AT 25TH AVE-DETAILS

SCALE: 1"=10' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	193
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

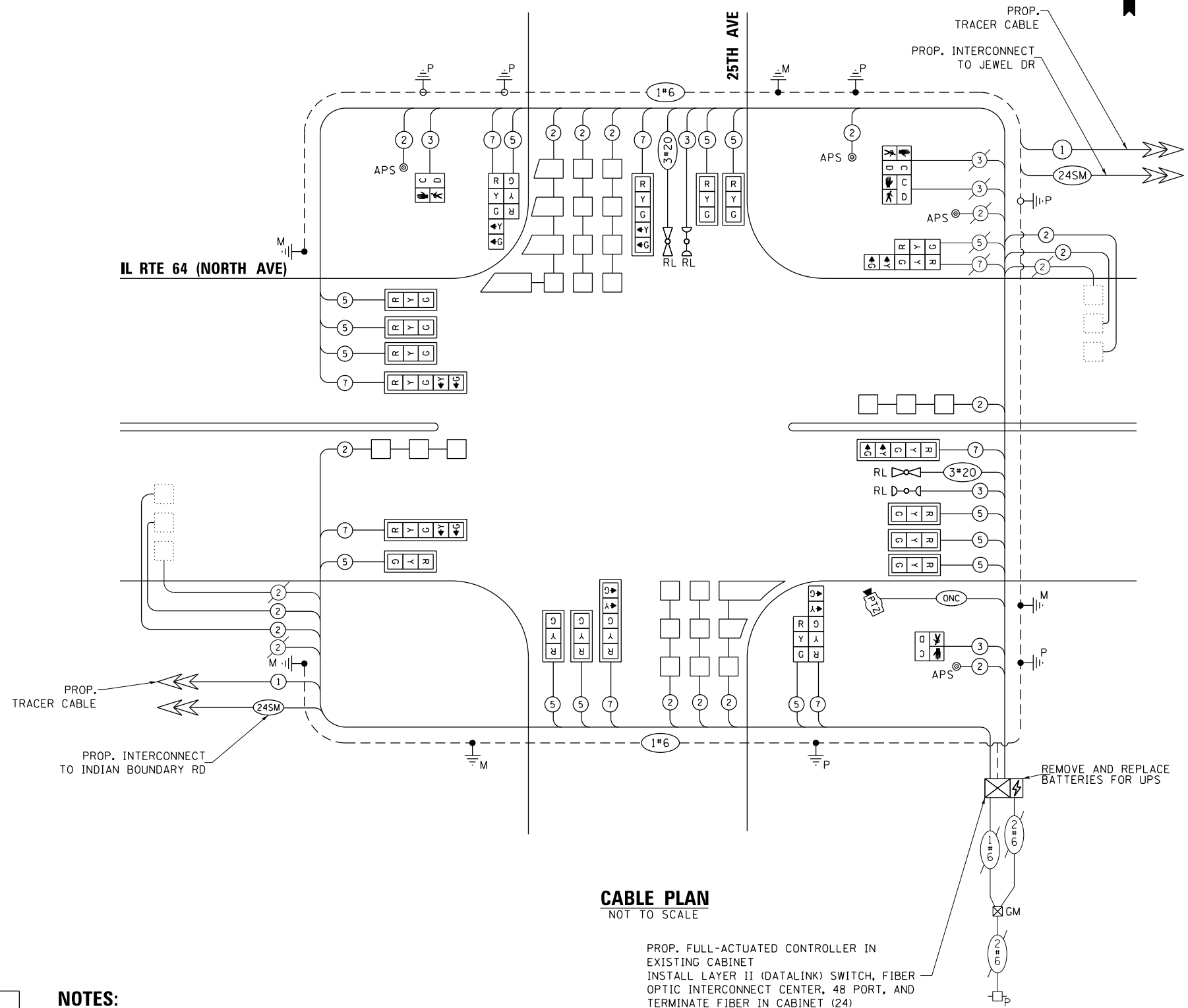
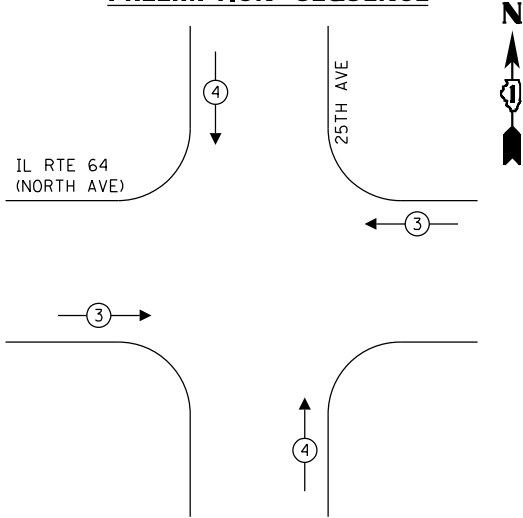
TS 3020
 IDOT CENTRACS
 FORMER ECON 100

EXISTING AND PROPOSED CONTROLLER SEQUENCE



- LEGEND:**
- ⊙ - PROTECTED PHASE
 - ⊙ - PROTECTED/PERMITTED PHASE
 - ⊙ - PEDESTRIAN PHASE
 - OL - OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
NOT TO SCALE

PROP. FULL-ACTUATED CONTROLLER IN EXISTING CABINET
INSTALL LAYER II (DATALINK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (24)

- NOTES:**
- ONLY RED SIGNAL FACES SHALL HAVE LENS COVER INSTALLED.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED.SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			528
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1133

ENERGY COSTS TO:
VILLAGE OF MELROSE PARK
 1000 N 25TH AVE
 MELROSE PARK, IL 60160
 ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: 630-424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 08190-18007
 METER NUMBER:

FILE NAME = ...



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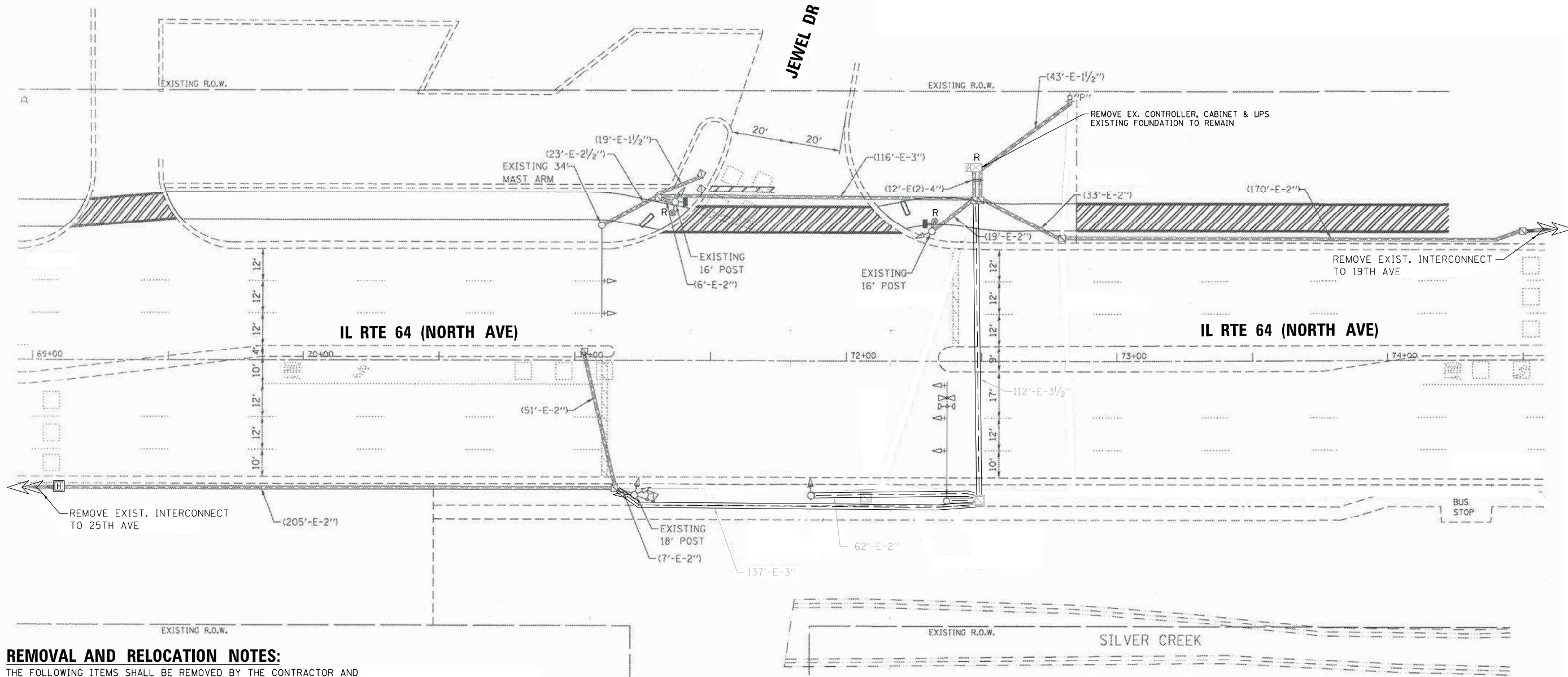
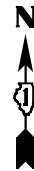
REVISED -
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 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) AT 25TH AVE
 SCALE: 1"=20'
 SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	194
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

TS 3020
IDOT CENTRACS
FORMER ECON 100



REMOVAL AND RELOCATION NOTES:

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

- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH CONTROLLER (ASC/2S-2100) AND CABINET (TS1) COMPLETE
- 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
- 1 EACH TRANSCEIVER FIBER OPTIC

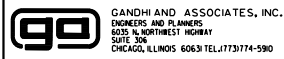
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 1 EACH LIGHT DETECTOR AMPLIFIER

NOTES:

- 1. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.

FILE NAME = p:\1\h-pa-bentley\gucm\h-pa-01\Documents\01 Active Projects\W-CHS-16895100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\108621-int-TS-51-CAL.DGN



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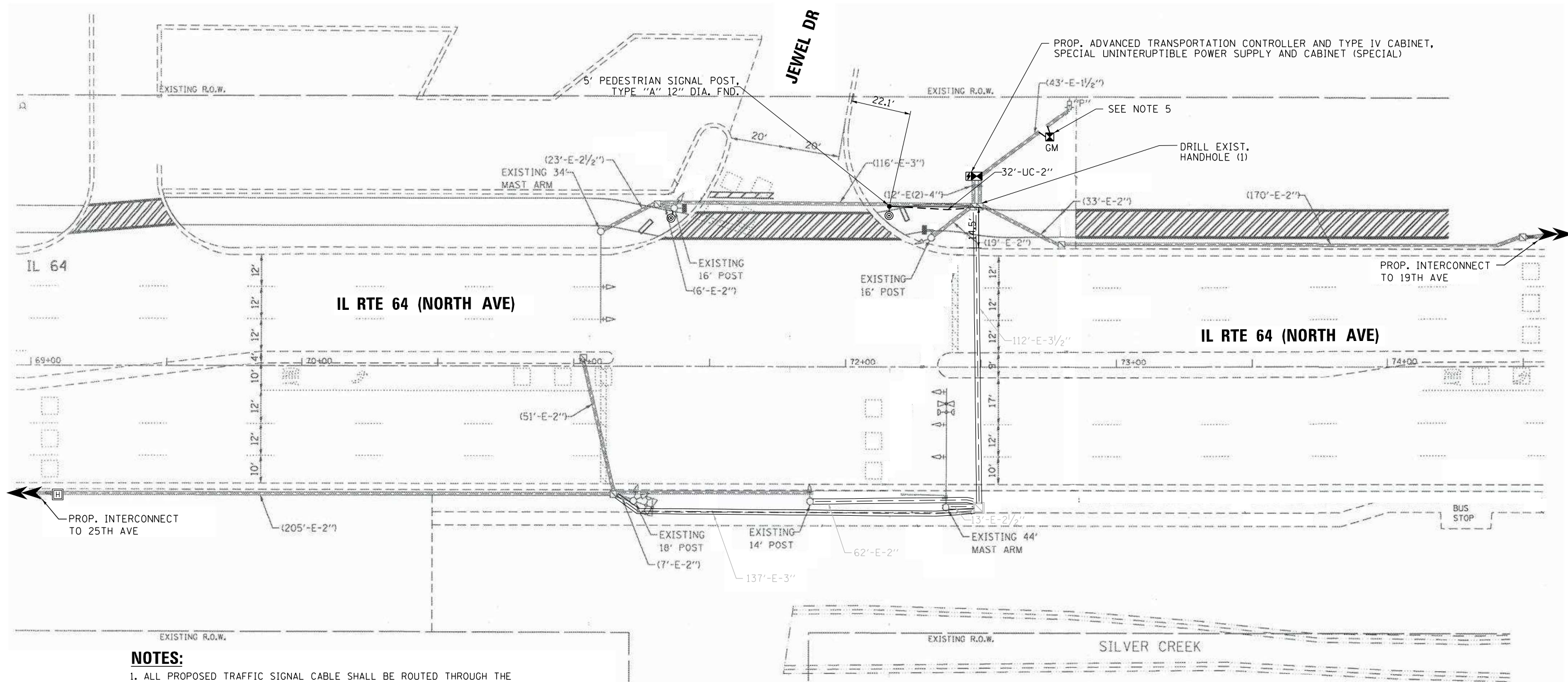
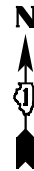
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT JEWEL DR

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	196
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

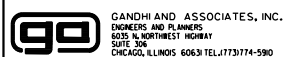
TS 10915
IDOT CENTRACS
FORMER ECON 100



NOTES:

1. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
2. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE IN FRONT/BEHIND OF THE TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
3. ALL PROPOSED PUSH-BUTTONS SHALL BE APS.
4. ALL DIMENSIONS ARE FROM EXISTING BACK OF CURB TO CENTER OF POST.
5. PROPOSED CONDUIT SHALL BE SPLICED TO THE EXISTING CONDUIT AND EXTENDED VERTICALLY THROUGH THE PROPOSED FOUNDATION AT THE GROUND MOUNTED SERVICE INSTALLATION. THE COST OF THE CONDUIT SHALL BE INCLUDED IN THE COST OF THE CONCRETE FOUNDATION, TYPE A.
6. CONTRACTOR SHALL VERIFY THAT THE PLACEMENT OF THE PROPOSED SIGNAL EQUIPMENT ADJACENT TO EXISTING RAMPS MEET ADA REQUIREMENTS. THE ENGINEER SHALL APPROVE THE PROPOSED LOCATIONS OF THE SIGNAL EQUIPMENT BEFORE INSTALLATION.

FILE NAME = p:\h-p\p-bent\gucemh-pa-01\Documents\01 Active Projects\W-CHS-16695100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor - Signal\1008121-int-15-52.dwg
 USER NAME = \$USER\$



GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60631 TEL: 773-774-590

DESIGNED - AV, EA	REVISED -
DRAWN - AV, EA	REVISED -
CHECKED - MS	REVISED -
DATE - 3/22/2024	REVISED -

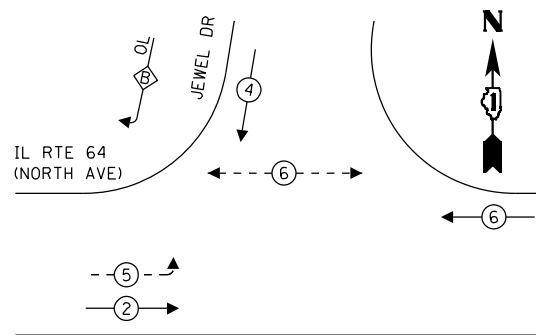
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN IL RTE 64 (NORTH AVE) AT JEWEL DR			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	197
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT				

TS 10915
IDOT CENTRACS
FORMER ECON 100

EXISTING AND PROPOSED CONTROLLER SEQUENCE



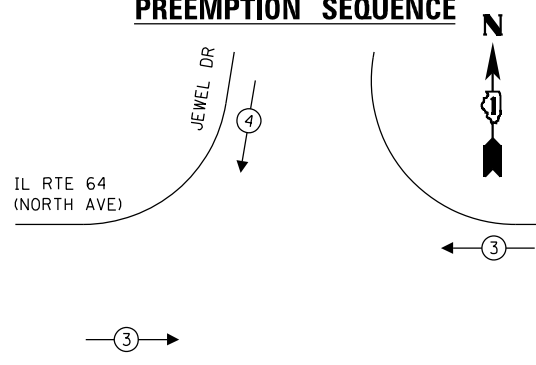
LEGEND:

- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — PEDESTRIAN PHASE
- ⊙ — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROP. ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL UNINTERRUPTED POWER SUPPLY AND CABINET (SPECIAL) INSTALL LAYER II (DATALINK) SWITCH, FIBER OPTIC INTERCONNECT CENTER, 48 PORT, AND TERMINATE FIBER IN CABINET (24)

IL RTE 64 (NORTH AVE)

PROP. TRACER CABLE
PROP. INTERCONNECT TO 25TH AVE

CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	3	22	66
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			402
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1007

ENERGY COSTS TO:
JEWEL FOOD

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630)-424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 11510-69044
METER NUMBER:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 (NORTH AVE) AT JEWEL DR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	198
CONTRACT NO. 62N40				

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

FILE NAME = ... GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 5035 N. NORTHWEST HIGHWAY SUITE 206 CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

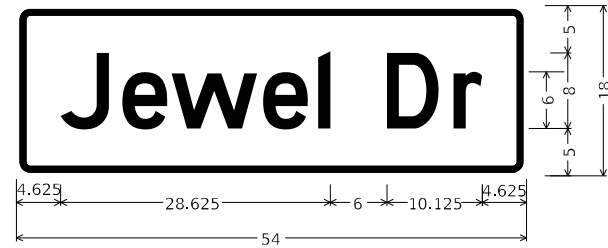
TS 10915
IDOT CENTRACS
FORMER ECON 100

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

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL (TS-02).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	32
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	70
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	69
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	133
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4
* RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	57
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATA LINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4

* 100% COST TO THE VILLAGE OF MELROSE PARK

MODEL: Default
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 SHEET: ...
 DATE: ...
 DRAWN BY: ...
 CHECKED BY: ...
 DATE: ...



USER NAME = joel.turk	DESIGNED - AMK	REVISED -
PLOT SCALE = 2,0000 ' / in.	DRAWN - JJT	REVISED -
PLOT DATE = 3/22/2024	CHECKED - SS	REVISED -
	DATE - 3/22/2024	REVISED -

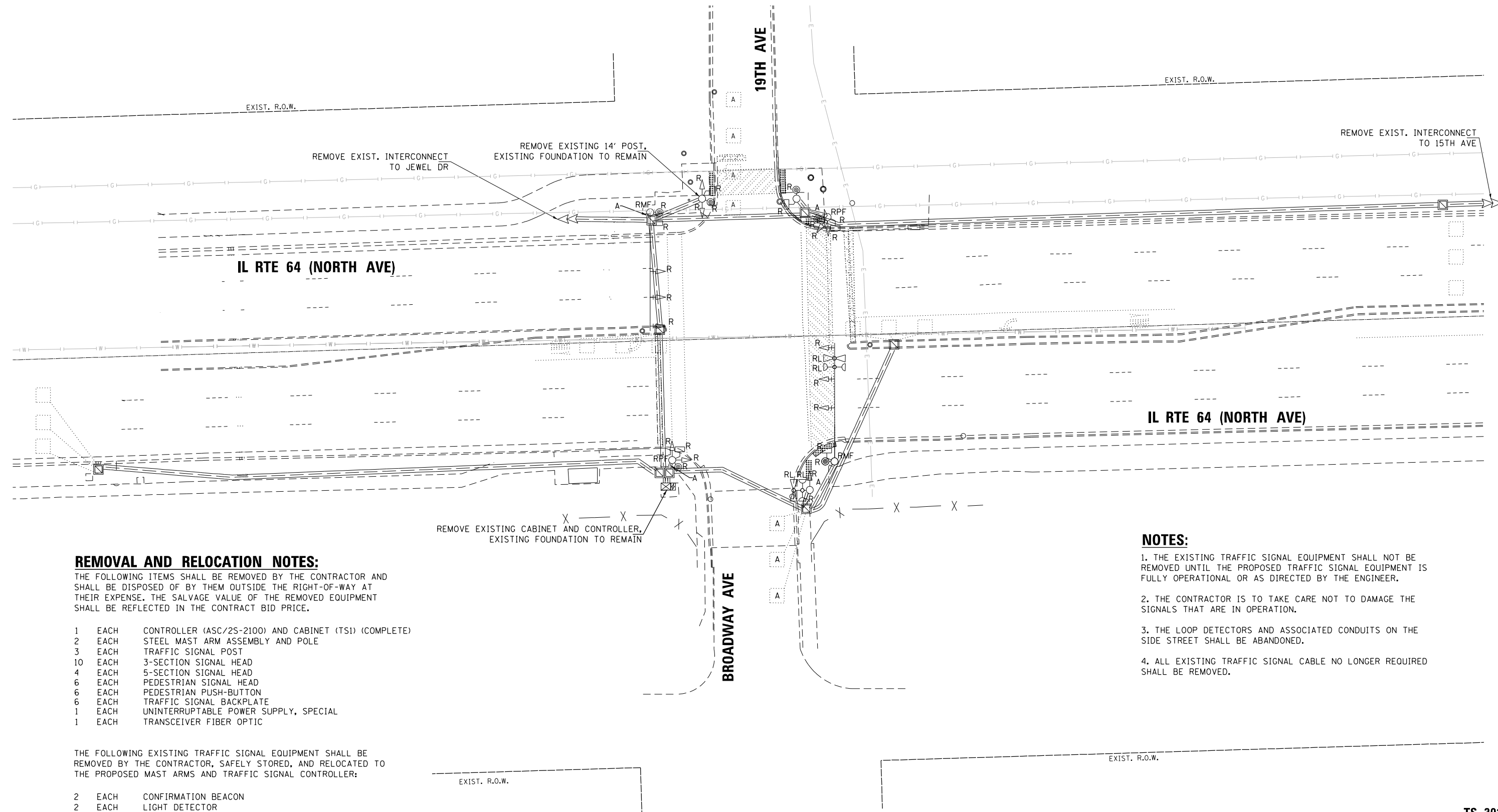
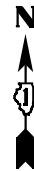
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 64 (NORTH AVE) AND JEWEL DR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	COOK	492	199
CONTRACT NO. 62N40				
ILLINOIS FED. AID PROJECT				

TS 10915
IDOT CENTRACS
FORMER ECON 100

SCALE: SHEET 1 OF SHEETS STA. TO STA.



REMOVAL AND RELOCATION NOTES:

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

- 1 EACH CONTROLLER (ASC/2S-2100) AND CABINET (TS1) (COMPLETE)
- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 10 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 6 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL
- 1 EACH TRANSCEIVER FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

NOTES:

1. 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. THE CONTRACTOR IS TO TAKE CARE NOT TO DAMAGE THE SIGNALS THAT ARE IN OPERATION.
3. THE LOOP DETECTORS AND ASSOCIATED CONDUITS ON THE SIDE STREET SHALL BE ABANDONED.
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME = p:\1\h-pa-bentley\jucemh-pa-01\Documents\01 Active Projects\W-CHS-16695100 - IL 64 Phase 1\2 Design\CAD\Plan Sheets\Signal\East Corridor- Signal\1008121-int-15-54_CAI.DGN



USER NAME = \$USER\$	DESIGNED - AV, EA	REVISED -
DRAWN - AV, EA	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - MS	REVISIONS -
PLOT DATE = \$DATE\$	DATE - 3/22/2024	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 64 (NORTH AVE) AT 19TH AVE / BROADWAY AVE**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	COOK	492	200
CONTRACT NO. 62N40				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

**TS 3015
IDOT CONTRACS
FORMER ECON 100**