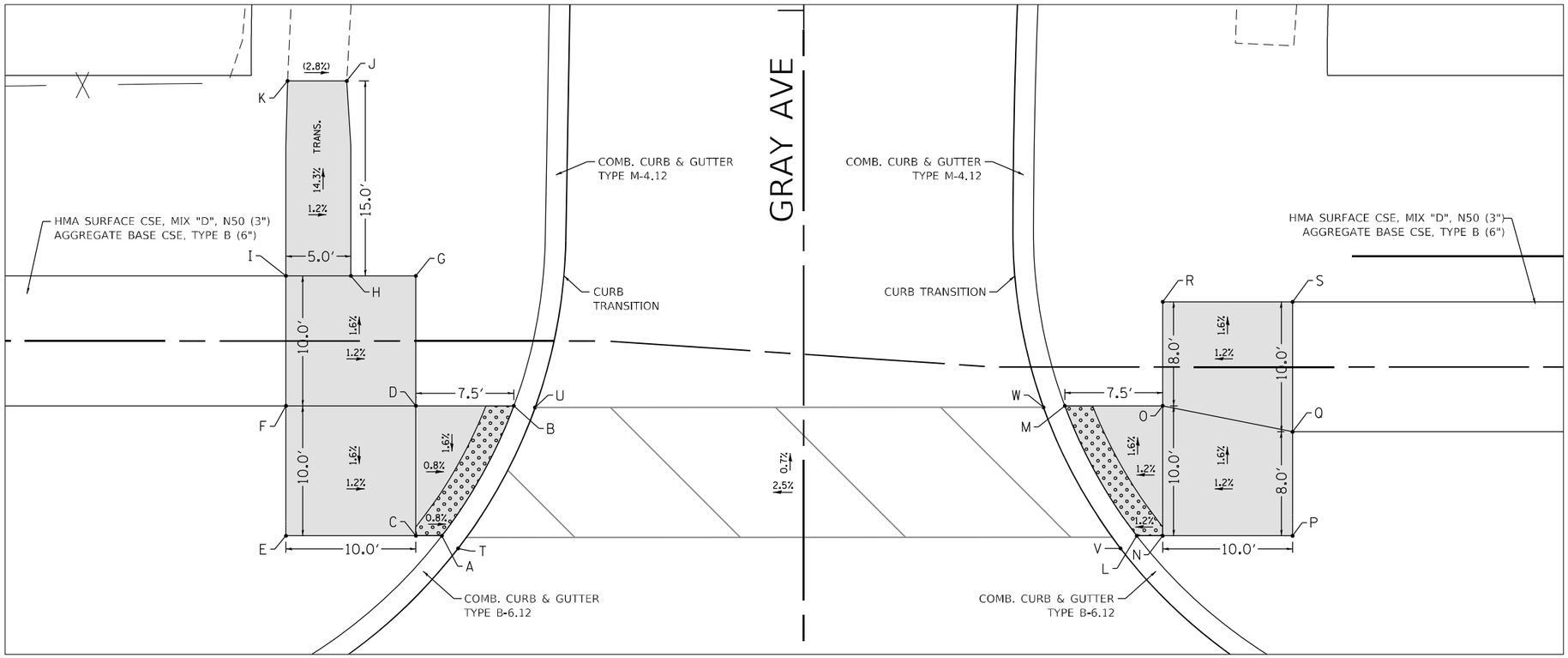


IL ROUTE 56 AT GRAY AVENUE

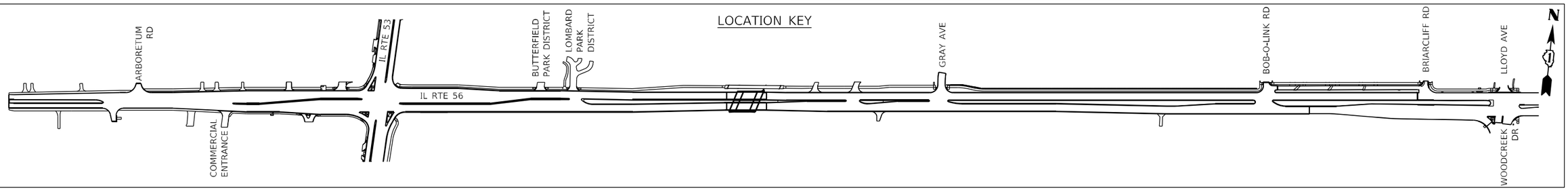
ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	204+79.87	59.58' LT	683.32	1,881,508.20	1,062,972.34
B	204+85.41	69.58' LT	683.48	1,881,518.71	1,062,976.83
C	204+77.87	59.58' LT	683.34	1,881,507.99	1,062,970.35
D	204+77.87	69.58' LT	683.50	1,881,517.94	1,062,969.33
E	204+67.87	59.58' LT	683.46	1,881,506.97	1,062,960.40
F	204+67.87	69.58' LT	683.62	1,881,516.91	1,062,959.38
G	204+77.87	79.58' LT	683.34	1,881,527.89	1,062,968.30
H	204+72.87	79.58' LT	683.40	1,881,527.37	1,062,963.32
I	204+67.87	79.58' LT	683.46	1,881,526.86	1,062,958.35
J	204+72.55	94.58' LT	(681.35)	1,881,542.26	1,062,961.47
K	204+67.99	94.58' LT	(681.22)	1,881,541.79	1,062,956.93

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
L	205+33.38	59.58' LT	684.24	1,881,513.69	1,063,025.57
M	205+27.84	69.58' LT	684.02	1,881,523.07	1,063,019.03
N	205+35.84	59.58' LT	684.27	1,881,513.95	1,063,028.02
O	205+35.84	69.58' LT	684.11	1,881,523.89	1,063,026.99
P	205+45.84	59.58' LT	684.39	1,881,514.97	1,063,037.96
Q	205+45.84	67.58' LT	684.26	1,881,522.93	1,063,037.14
R	205+35.84	77.58' LT	683.98	1,881,531.85	1,063,026.17
S	205+45.84	77.58' LT	684.10	1,881,532.88	1,063,036.11
T	204+81.12	58.62' LT	683.33	1,881,507.37	1,062,973.69
U	204+87.05	69.46' LT	683.49	1,881,518.76	1,062,978.47
V	205+32.13	58.62' LT	684.25	1,881,512.61	1,063,024.42
W	205+26.20	69.47' LT	684.03	1,881,522.79	1,063,017.41

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

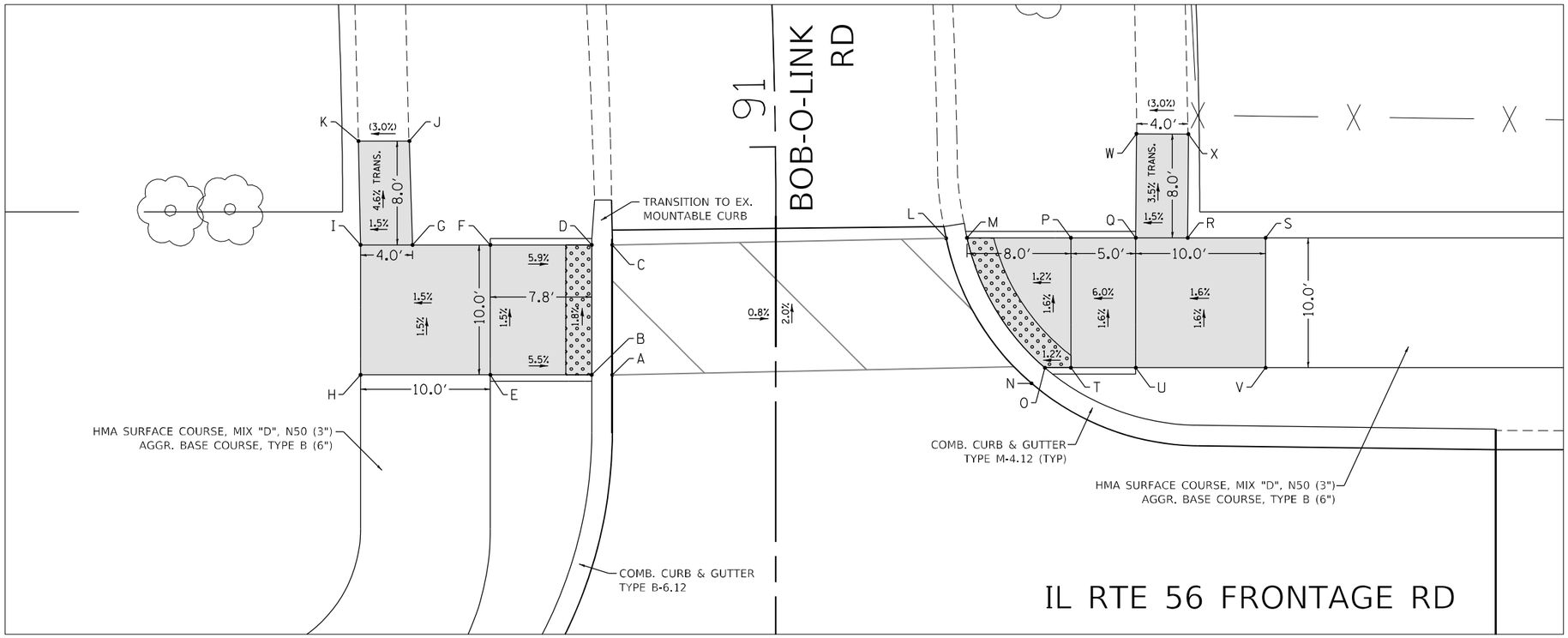
LOCATION KEY



MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D1160P75_SHT_DETAIL_ADARAMP03.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 ADA RAMP DETAILS
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=5' SHEET 3 OF 20 SHEETS STA. N/A TO STA. N/A
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	201
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



IL ROUTE 56 AT BOB-O-LINK ROAD

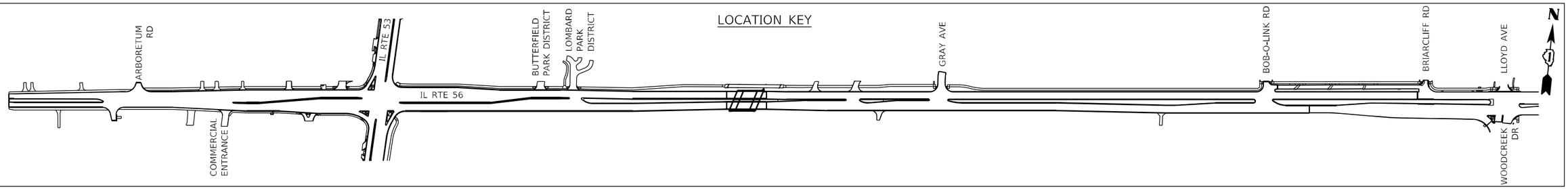
ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	220+76.99	82.46' LT	730.49	1,881,694.98	1,064,558.67
B	220+75.41	82.46' LT	730.48	1,881,694.82	1,064,557.10
C	220+76.99	92.46' LT	730.29	1,881,704.93	1,064,557.64
D	220+75.41	92.46' LT	730.30	1,881,704.77	1,064,556.07
E	220+67.61	82.46' LT	730.91	1,881,694.02	1,064,549.34
F	220+67.61	92.46' LT	730.76	1,881,703.97	1,064,548.31
G	220+61.61	92.46' LT	730.67	1,881,703.35	1,064,542.34
H	220+57.61	82.46' LT	730.76	1,881,692.99	1,064,539.39
I	220+57.61	92.46' LT	730.61	1,881,702.94	1,064,538.36
J	220+61.37	100.46' LT	(730.33)	1,881,711.28	1,064,541.28
K	220+57.45	100.46' LT	(730.21)	1,881,710.88	1,064,537.38
L	221+02.69	93.00' LT	730.35	1,881,708.11	1,064,583.15

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
M	221+04.31	93.00' LT	730.34	1,881,708.28	1,064,584.76
N	221+09.28	81.80' LT	730.58	1,881,697.65	1,064,590.85
O	221+10.30	83.00' LT	730.57	1,881,698.95	1,064,591.75
P	221+12.30	93.00' LT	730.44	1,881,709.10	1,064,592.71
Q	221+17.30	93.00' LT	730.74	1,881,709.61	1,064,597.69
R	221+21.30	93.00' LT	730.80	1,881,710.02	1,064,601.67
S	221+27.30	93.00' LT	730.90	1,881,710.64	1,064,607.63
T	221+12.30	83.00' LT	730.60	1,881,699.15	1,064,593.74
U	221+17.30	83.00' LT	730.90	1,881,699.66	1,064,598.71
V	221+27.30	83.00' LT	731.06	1,881,700.69	1,064,608.66
W	221+17.35	101.01' LT	(730.43)	1,881,717.59	1,064,596.91
X	221+21.35	100.99' LT	(730.55)	1,881,717.97	1,064,600.89

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

LOCATION KEY



MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\C400 Sheets\D1660P75 Sht DETAIL ADARAMP04.dgn

BLA, Inc.
ITASCA, ILLINOIS

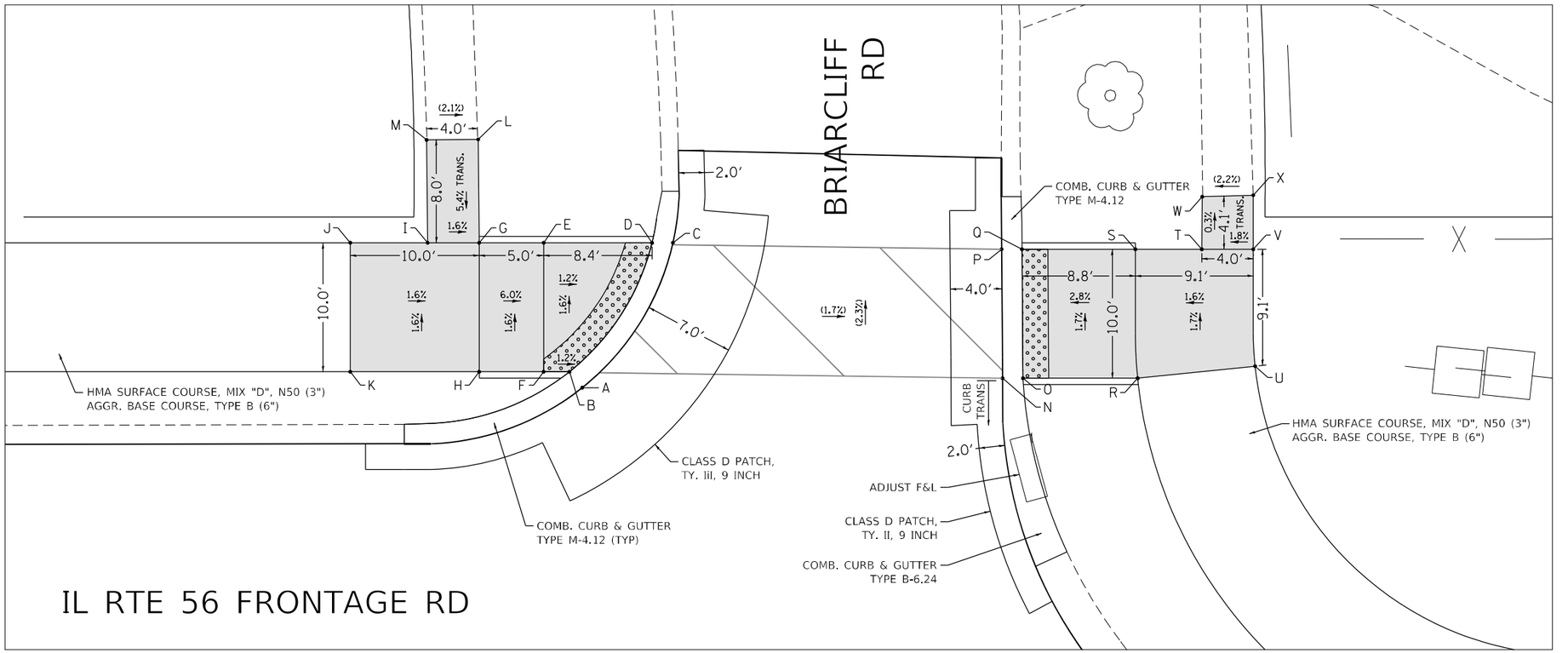
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 4 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	202
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



IL ROUTE 56 AT BRIARCLIFF ROAD

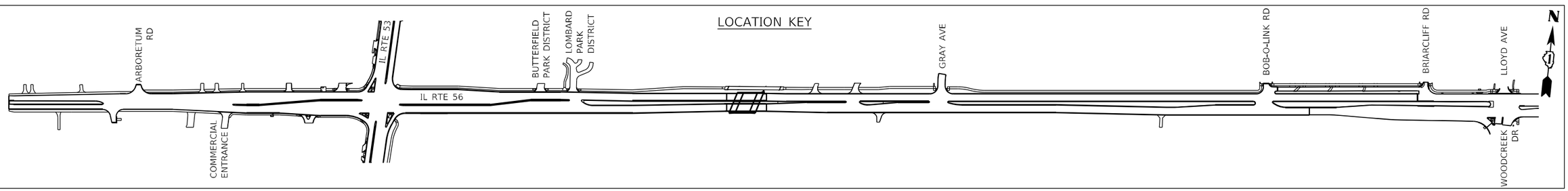
ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	228+47.99	81.76' LT	739.79	1,881,773.48	1,065,325.66
B	228+47.00	83.00' LT	739.79	1,881,774.61	1,065,324.55
C	228+55.03	93.00' LT	739.54	1,881,785.38	1,065,331.51
D	228+53.41	93.00' LT	739.55	1,881,785.21	1,065,329.90
E	228+45.00	93.00' LT	739.65	1,881,784.35	1,065,321.54
F	228+45.00	83.00' LT	739.81	1,881,774.40	1,065,322.57
G	228+40.00	93.00' LT	739.95	1,881,783.84	1,065,316.56
H	228+40.00	83.00' LT	740.11	1,881,773.89	1,065,317.59
I	228+36.00	93.00' LT	740.01	1,881,783.43	1,065,312.59
J	228+30.00	93.00' LT	740.11	1,881,782.81	1,065,306.62
K	228+30.00	83.00' LT	740.27	1,881,772.86	1,065,307.64
L	228+39.93	101.02' LT	(740.37)	1,881,791.80	1,065,315.67

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
M	228+35.93	100.98' LT	(740.46)	1,881,791.36	1,065,311.69
N	228+80.59	82.50' LT	739.51	1,881,787.50	1,065,356.91
O	228+82.17	82.50' LT	739.50	1,881,787.66	1,065,358.49
P	228+80.52	92.50' LT	739.34	1,881,787.50	1,065,356.91
Q	228+82.10	92.50' LT	739.33	1,881,787.66	1,065,358.49
R	228+91.07	82.50' LT	739.75	1,881,778.64	1,065,368.44
S	228+90.89	92.50' LT	739.58	1,881,788.57	1,065,367.24
T	228+96.04	92.50' LT	739.66	1,881,789.09	1,065,372.36
U	229+00.18	83.44' LT	739.89	1,881,780.50	1,065,377.40
V	229+00.04	92.50' LT	739.73	1,881,789.50	1,065,376.34
W	228+96.07	96.57' LT	(739.65)	1,881,793.15	1,065,371.97
X	229+00.04	96.69' LT	(739.74)	1,881,793.68	1,065,375.91

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

LOCATION KEY



MODEL: Default
FILE NAME: W:\191-134_IDOT_IL_53 at IL 56\CADD Sheets\D160P75_Sht_DETAIL_ADARAMPS.dgn

BLA, Inc.
ITASCA, ILLINOIS

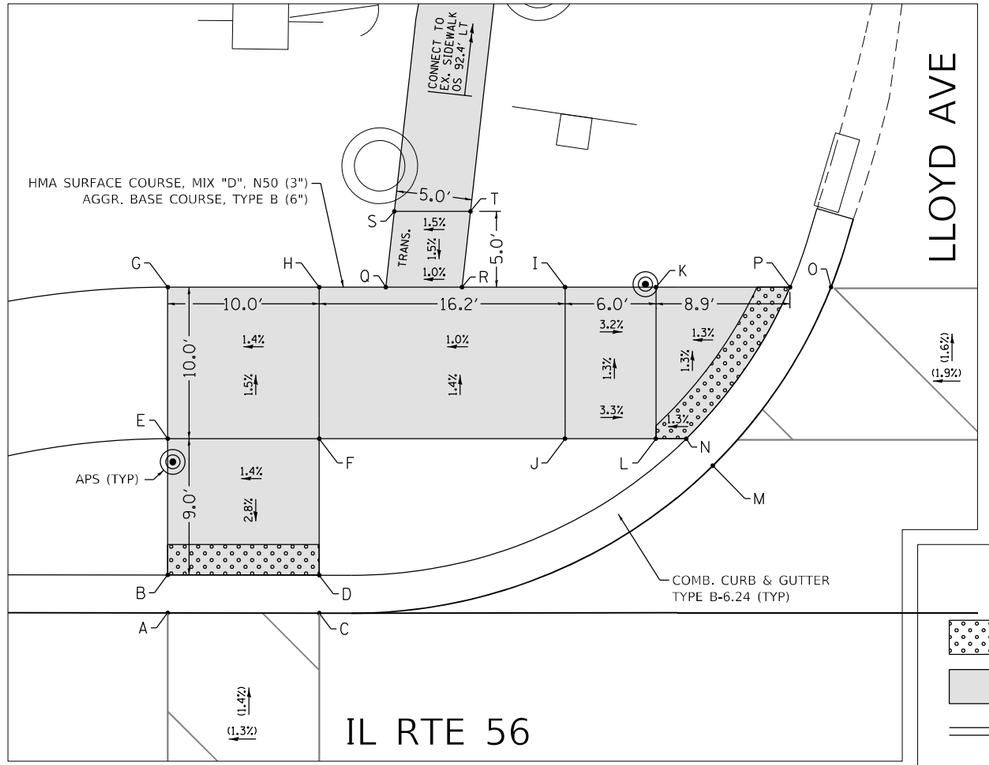
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

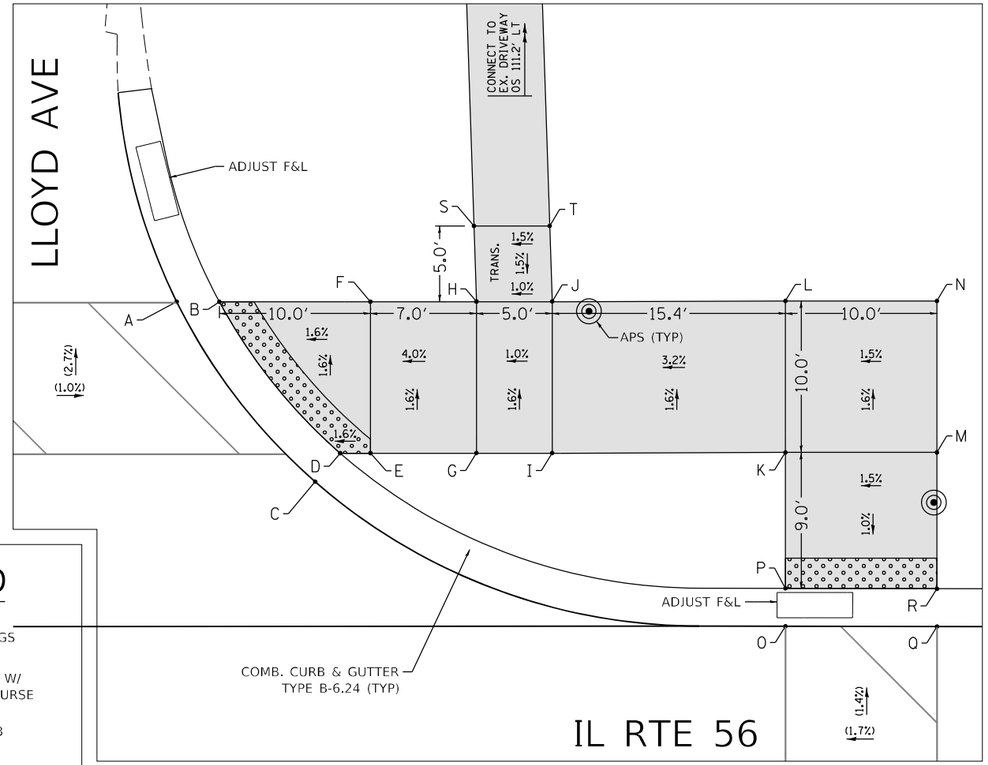
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 5 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	203
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		





LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

NORTHWEST CORNER
IL ROUTE 56 AT LLOYD AVENUE

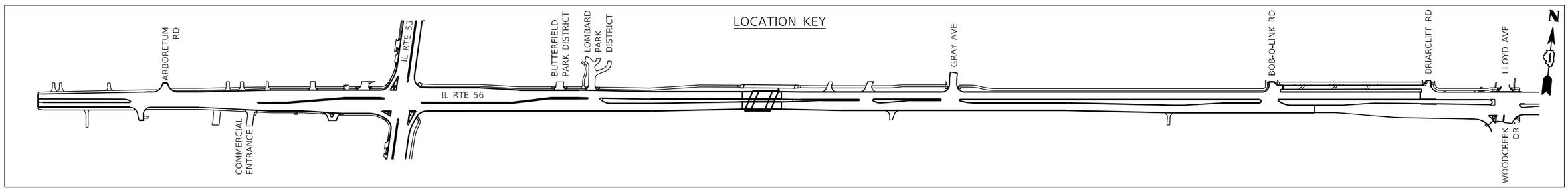
ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	231+83.78	43.25' LT	745.84	1,881,769.66	1,065,663.63
B	231+83.78	45.75' LT	745.78	1,881,772.14	1,065,663.37
C	231+93.78	43.23' LT	745.98	1,881,770.66	1,065,673.58
D	231+93.78	45.73' LT	745.92	1,881,773.15	1,065,673.32
E	231+83.78	54.75' LT	746.03	1,881,781.09	1,065,662.45
F	231+93.78	54.75' LT	746.17	1,881,782.12	1,065,672.40
G	231+83.78	64.75' LT	745.88	1,881,791.04	1,065,661.42
H	231+93.78	64.75' LT	746.02	1,881,792.06	1,065,671.37
I	232+10.00	64.75' LT	746.19	1,881,793.73	1,065,687.51
J	232+10.00	54.75' LT	746.32	1,881,783.78	1,065,688.53

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
K	232+16.00	64.75' LT	745.99	1,881,794.35	1,065,693.48
L	232+16.00	54.75' LT	746.12	1,881,784.40	1,065,694.50
M	232+19.75	52.96' LT	746.21	1,881,783.01	1,065,698.42
N	232+18.00	54.75' LT	746.15	1,881,784.61	1,065,696.49
O	232+27.56	64.75' LT	746.17	1,881,795.53	1,065,704.98
P	232+24.86	64.75' LT	746.11	1,881,795.26	1,065,702.29
Q	231+98.17	64.75' LT	746.07	1,881,792.52	1,065,675.74
R	232+03.20	64.75' LT	746.12	1,881,793.03	1,065,680.74
S	231+98.73	69.75' LT	746.13	1,881,797.55	1,065,675.78
T	232+03.76	69.75' LT	746.21	1,881,798.06	1,065,680.79

NORTHEAST CORNER
IL ROUTE 56 AT LLOYD AVENUE

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	232+71.81	64.75' LT	746.41	1,881,800.08	1,065,748.99
B	232+74.62	64.75' LT	746.35	1,881,800.37	1,065,751.78
C	232+80.95	52.86' LT	746.70	1,881,789.20	1,065,759.30
D	232+82.60	54.75' LT	746.64	1,881,791.24	1,065,760.75
E	232+84.60	54.75' LT	746.67	1,881,791.45	1,065,762.73
F	232+84.60	64.75' LT	746.51	1,881,801.39	1,065,761.71
G	232+91.60	54.75' LT	746.95	1,881,792.16	1,065,769.70
H	232+91.60	64.75' LT	746.79	1,881,802.11	1,065,768.67
I	232+96.60	54.75' LT	747.00	1,881,792.68	1,065,774.67
J	232+96.60	64.75' LT	746.84	1,881,802.62	1,065,773.64

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
K	233+12.00	54.80' LT	747.54	1,881,794.31	1,065,789.98
L	233+12.00	64.80' LT	747.38	1,881,804.26	1,065,788.96
M	233+22.00	54.80' LT	747.69	1,881,795.34	1,065,799.93
N	233+22.00	64.80' LT	747.53	1,881,805.28	1,065,798.90
O	233+12.00	43.32' LT	747.51	1,881,782.90	1,065,791.16
P	233+12.00	45.82' LT	747.45	1,881,785.38	1,065,790.91
Q	233+22.00	43.30' LT	747.66	1,881,783.90	1,065,801.11
R	233+22.00	45.80' LT	747.60	1,881,786.38	1,065,800.86
S	232+91.43	69.75' LT	746.85	1,881,807.07	1,065,767.99
T	232+96.43	69.75' LT	746.93	1,881,807.58	1,065,772.97



MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D1160P75_SHT_DETAIL_ADARAMP06.dgn

BLA, Inc.
ITASCA, ILLINOIS

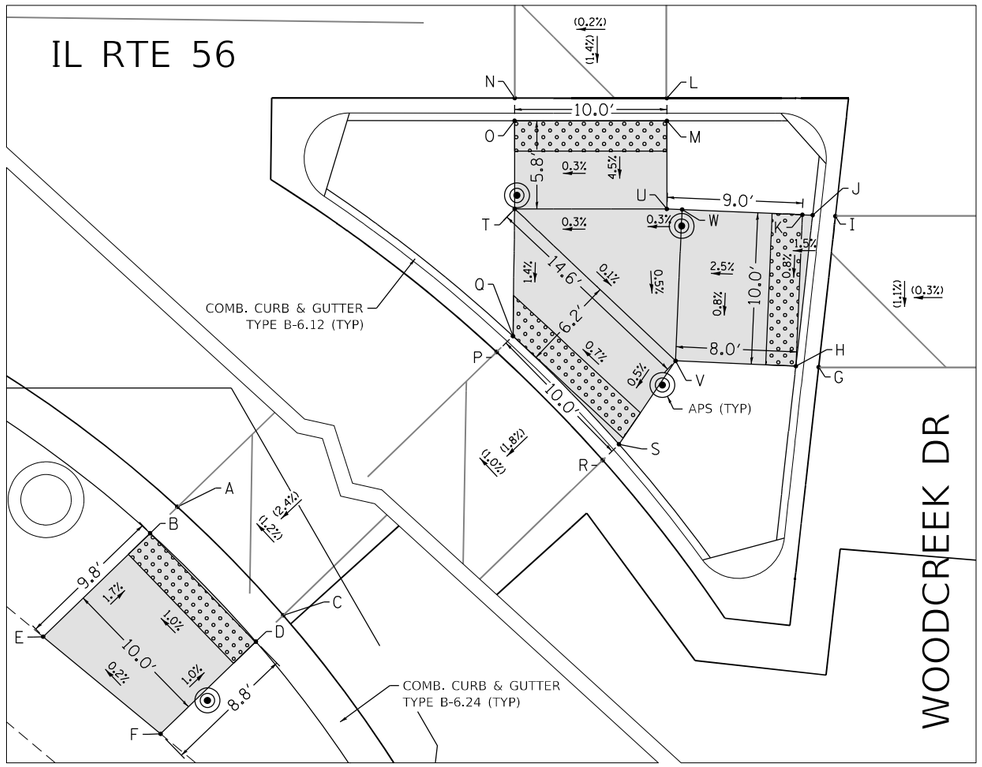
USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/2/2024	DATE - 01/18/2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 6 OF 20 SHEETS | STA. N/A | TO STA. N/A

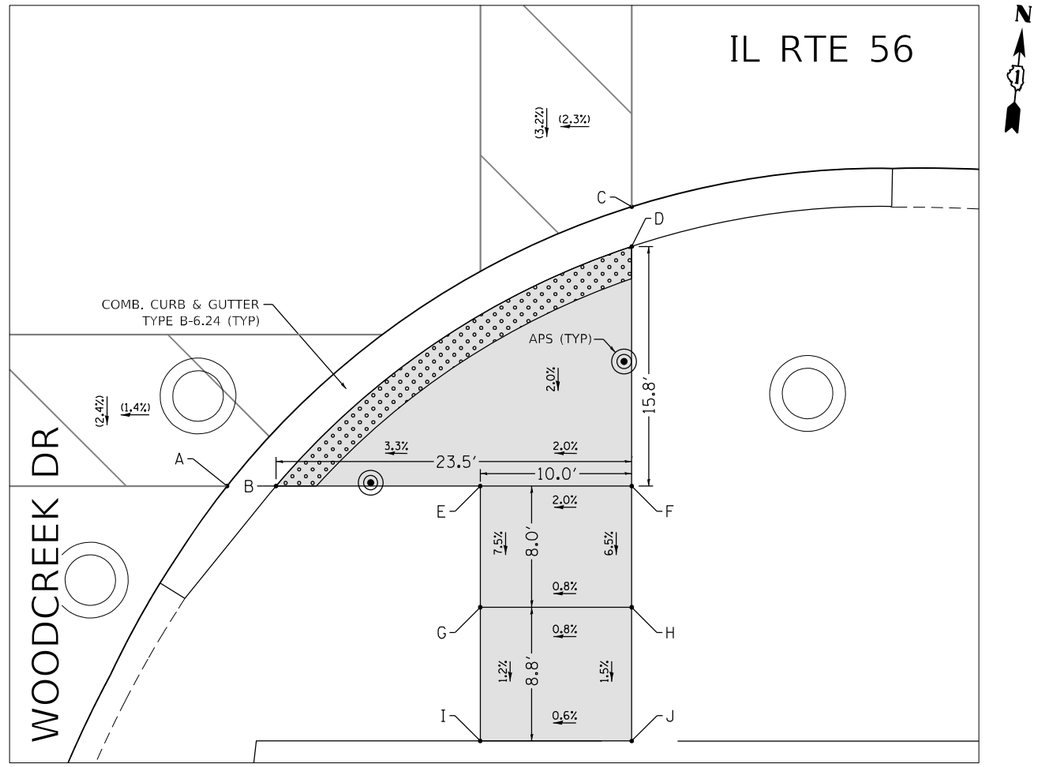
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	204
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



SOUTHWEST CORNER - IL ROUTE 56 AT WOODCREEK DRIVE

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	231+57.34	112.84' RT	743.92	1,881,611.67	1,065,653.36
B	231+55.54	114.58' RT	743.86	1,881,609.76	1,065,651.75
C	231+64.32	120.00' RT	744.02	1,881,605.27	1,065,661.04
D	231+62.52	121.74' RT	743.96	1,881,603.36	1,065,659.43
E	231+48.48	121.41' RT	744.03	1,881,602.24	1,065,645.43
F	231+56.23	127.83' RT	744.05	1,881,596.66	1,065,653.80
G	232+03.84	89.42' RT	744.99	1,881,639.75	1,065,697.21
H	232+02.34	89.36' RT	744.98	1,881,639.66	1,065,695.71
I	232+04.95	79.46' RT	745.08	1,881,649.64	1,065,695.12
J	232+03.45	79.40' RT	745.07	1,881,656.37	1,065,685.43
K	232+02.77	79.37' RT	745.06	1,881,654.88	1,065,685.58

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
L	231+93.82	71.67' RT	745.11	1,881,655.35	1,065,675.43
M	231+93.82	73.17' RT	745.10	1,881,653.85	1,065,675.59
N	231+83.78	71.67' RT	745.08	1,881,638.51	1,065,676.03
O	231+83.78	73.17' RT	745.07	1,881,639.71	1,065,676.93
P	231+82.58	88.42' RT	744.70	1,881,638.51	1,065,676.03
Q	231+83.66	87.38' RT	744.69	1,881,639.71	1,065,676.93
R	231+89.58	95.56' RT	744.77	1,881,632.22	1,065,683.61
S	231+90.66	94.52' RT	744.76	1,881,633.32	1,065,684.63
T	231+83.78	78.97' RT	744.81	1,881,648.08	1,065,676.18
U	231+93.82	78.98' RT	744.84	1,881,649.10	1,065,686.18
V	231+94.40	89.01' RT	744.79	1,881,639.18	1,065,687.78
W	231+94.83	79.02' RT	744.85	1,881,649.16	1,065,687.18



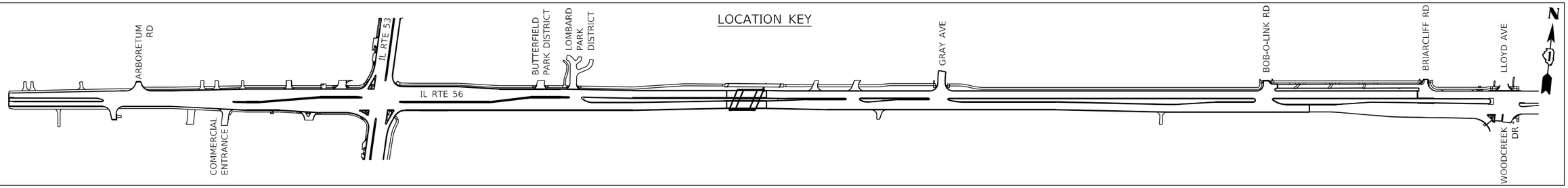
SOUTHEAST CORNER
IL ROUTE 56 AT WOODCREEK DRIVE

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	232+95.28	89.45' RT	745.81	1,881,649.11	1,065,788.17
B	232+98.51	89.45' RT	745.80	1,881,649.44	1,065,791.38
C	233+22.00	71.01' RT	746.81	1,881,670.19	1,065,812.85
D	233+22.00	73.64' RT	746.76	1,881,667.58	1,065,813.12
E	233+12.00	89.45' RT	746.25	1,881,650.82	1,065,804.80
F	233+22.00	89.45' RT	746.45	1,881,651.85	1,065,814.75
G	233+12.00	97.45' RT	745.85	1,881,642.87	1,065,805.62
H	233+22.00	97.45' RT	745.93	1,881,643.89	1,065,815.57
I	233+12.00	106.28' RT	745.74	1,881,634.09	1,065,806.53
J	233+22.00	106.28' RT	745.80	1,881,635.11	1,065,816.47

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

LOCATION KEY



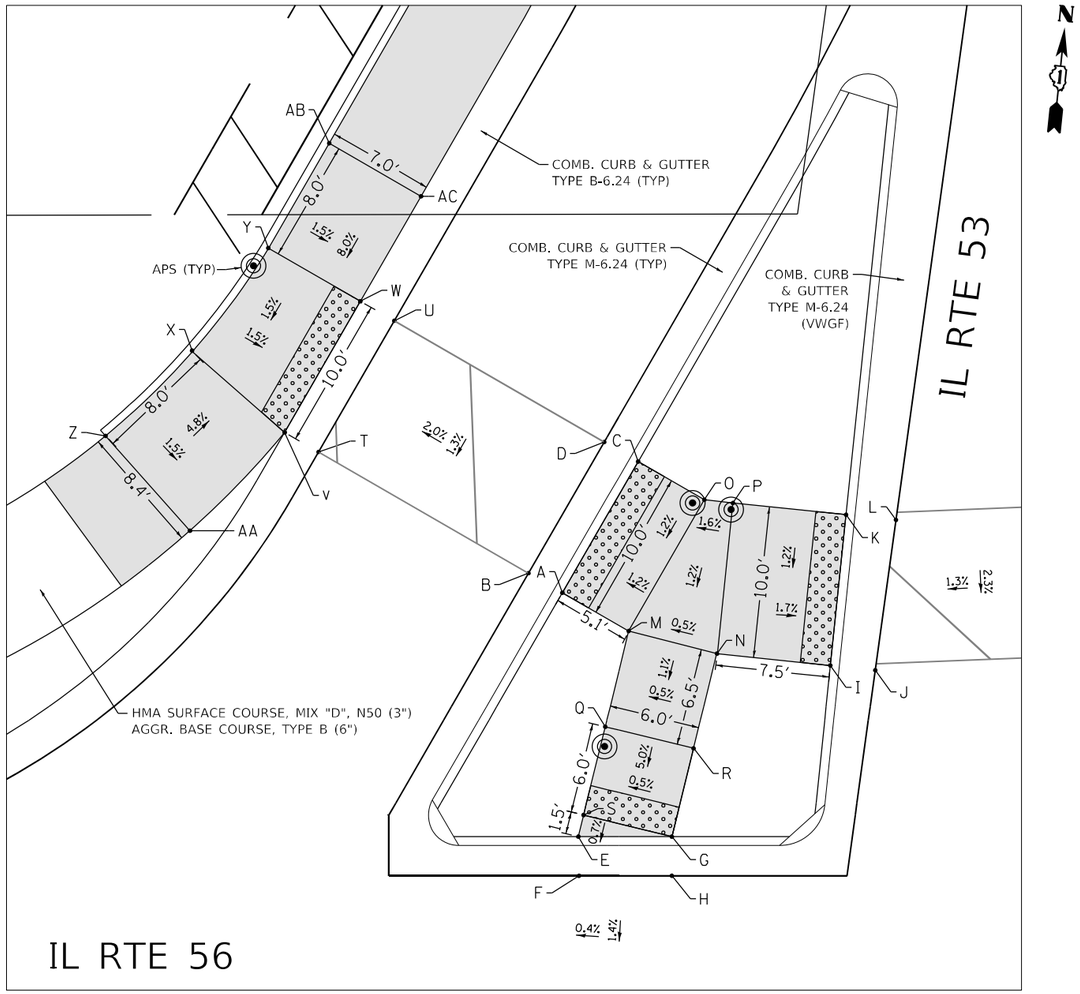
MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D160P75_SHT_DETAIL_ADARAMP07.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - MTC	REVISED -	
	PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -	
	PLOT DATE = 2/2/2024	DATE - 01/18/2024	REVISED -	

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 7 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	205
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



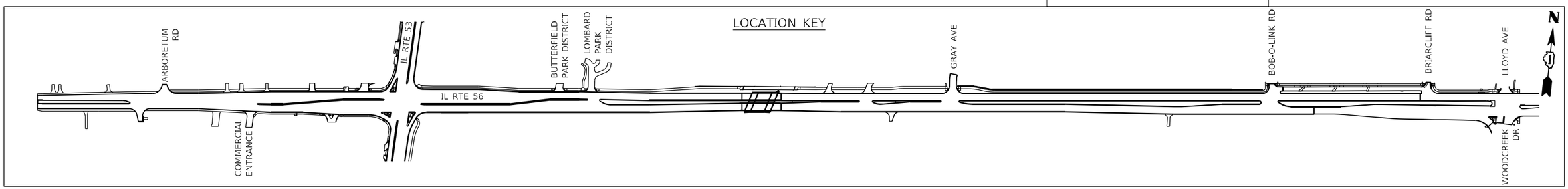
NORTHWEST CORNER
IL ROUTE 53 AT IL ROUTE 56

ADA RAMP ELEVATION TABLE

POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	177+23.43	70.68' LT	689.10	1,881,236.04	1,060,228.34
B	177+20.19	71.97' LT	689.16	1,881,237.10	1,060,225.98
C	177+27.43	79.34' LT	689.22	1,881,245.17	1,060,232.42
D	177+25.19	80.63' LT	689.28	1,881,246.23	1,060,230.07
E	177+23.52	54.58' LT	688.80	1,881,220.14	1,060,231.09
F	177+23.52	52.00' LT	688.86	1,881,217.57	1,060,231.35
G	177+29.66	54.58' LT	688.84	1,881,220.77	1,060,237.19
H	177+29.66	52.00' LT	688.88	1,881,218.20	1,060,237.45
I	177+40.12	65.88' LT	689.05	1,881,233.08	1,060,246.43
J	177+43.08	65.57' LT	689.12	1,881,233.08	1,060,249.41
K	177+41.15	75.83' LT	689.17	1,881,233.08	1,060,246.43
L	177+44.45	75.49' LT	689.26	1,881,233.08	1,060,249.41
M	177+26.80	68.16' LT	689.16	1,881,233.98	1,060,232.95
N	177+32.63	66.66' LT	689.19	1,881,233.09	1,060,238.91
O	177+31.80	76.82' LT	689.28	1,881,243.11	1,060,237.04
P	17733.69	76.61' LT	689.31	1,881,243.09	1,060,238.94
Q	177+25.25	61.84' LT	689.11	1,881,227.53	1,060,232.06
R	177+31.08	60.41' LT	689.14	1,881,226.71	1,060,238.01
S	177+23.83	56.01' LT	688.81	1,881,221.59	1,060,231.24
T	177+06.33	79.97' LT	688.82	1,881,243.63	1,060,211.38
U	177+11.33	88.63' LT	688.96	1,881,252.76	1,060,215.46
V	177+04.10	81.26' LT	688.76	1,881,244.69	1,060,209.02
W	177+07.37	90.92' LT	688.90	1,881,253.81	1,060,213.11
X	176+97.98	86.67' LT	688.88	1,881,249.43	1,060,202.39
Y	177+03.01	93.44' LT	689.01	1,881,256.68	1,060,206.69
Z	176+92.27	81.03' LT	689.29	1,881,243.24	1,060,197.28
AA	176+97.84	74.78' LT	689.17	1,881,237.59	1,060,203.46
AB	177+07.04	100.35' LT	689.65	1,881,263.97	1,060,209.98
AC	177+13.10	96.85' LT	689.54	1,881,261.12	1,060,216.37

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE



MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\C4DD Sheets\D160P75 SHT DETAIL ADARAMP08.dgn

BLA, Inc.
ITASCA, ILLINOIS

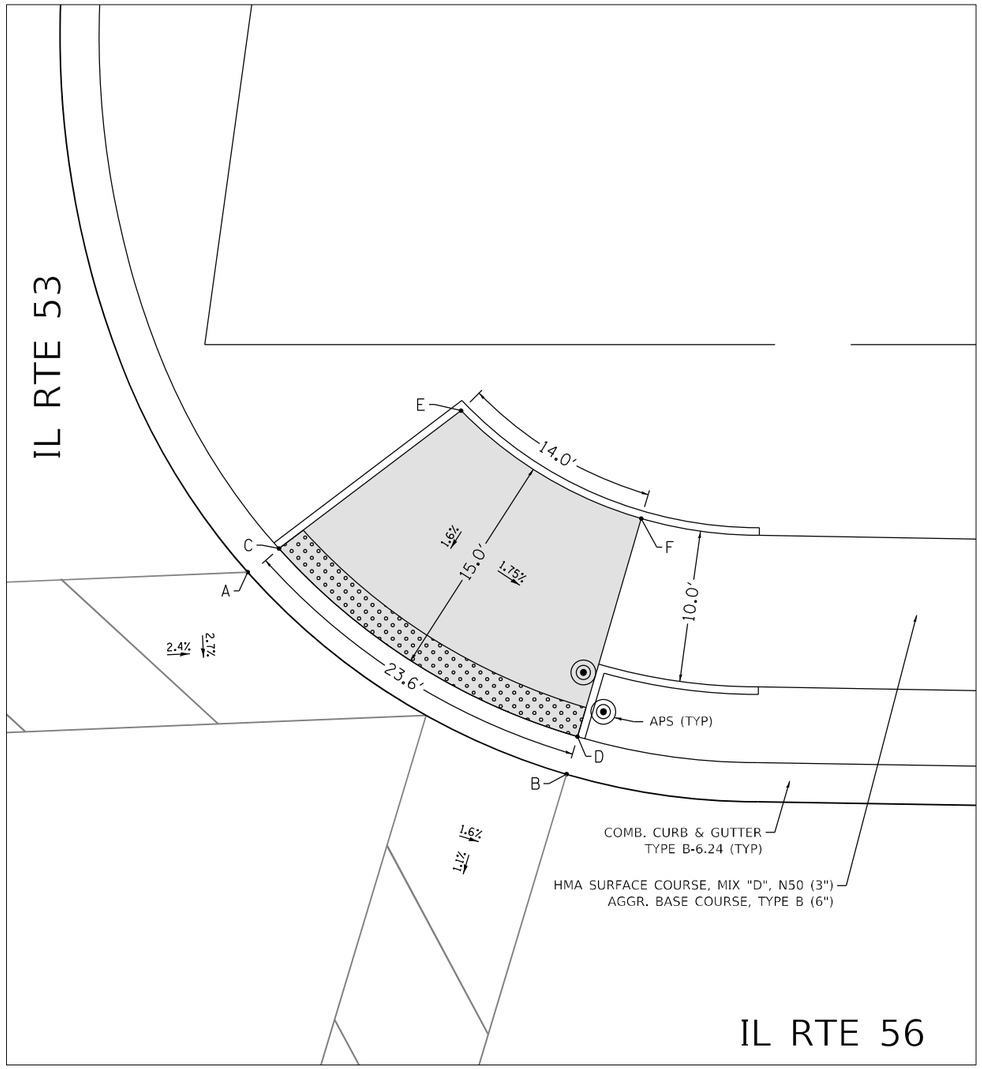
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 8 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	206
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



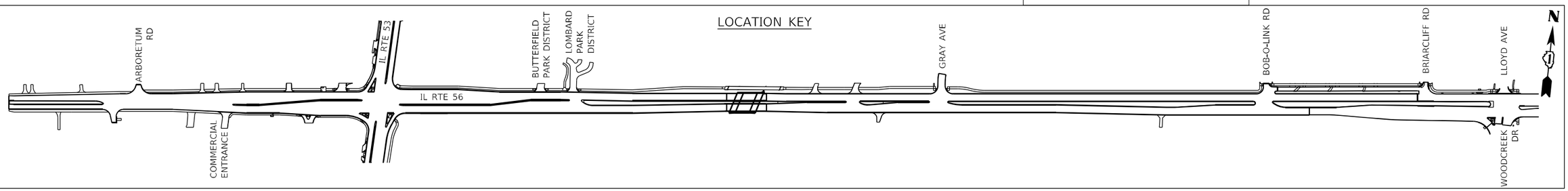
NORTHEAST CORNER
IL ROUTE 53 AT IL ROUTE 56

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	178+41.66	79.99' LT	688.95	1,881,257.55	1,060,345.98
B	178+62.70	66.66' LT	688.54	1,881,246.44	1,060,368.29
C	178+43.72	81.56' LT	688.96	1,881,259.31	1,060,347.88
D	178+63.42	69.13' LT	688.55	1,881,248.98	1,060,368.75
E	178+55.74	90.66' LT	689.09	1,881,269.60	1,060,358.90
F	178+67.63	83.53' LT	688.85	1,881,263.74	1,060,371.46

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

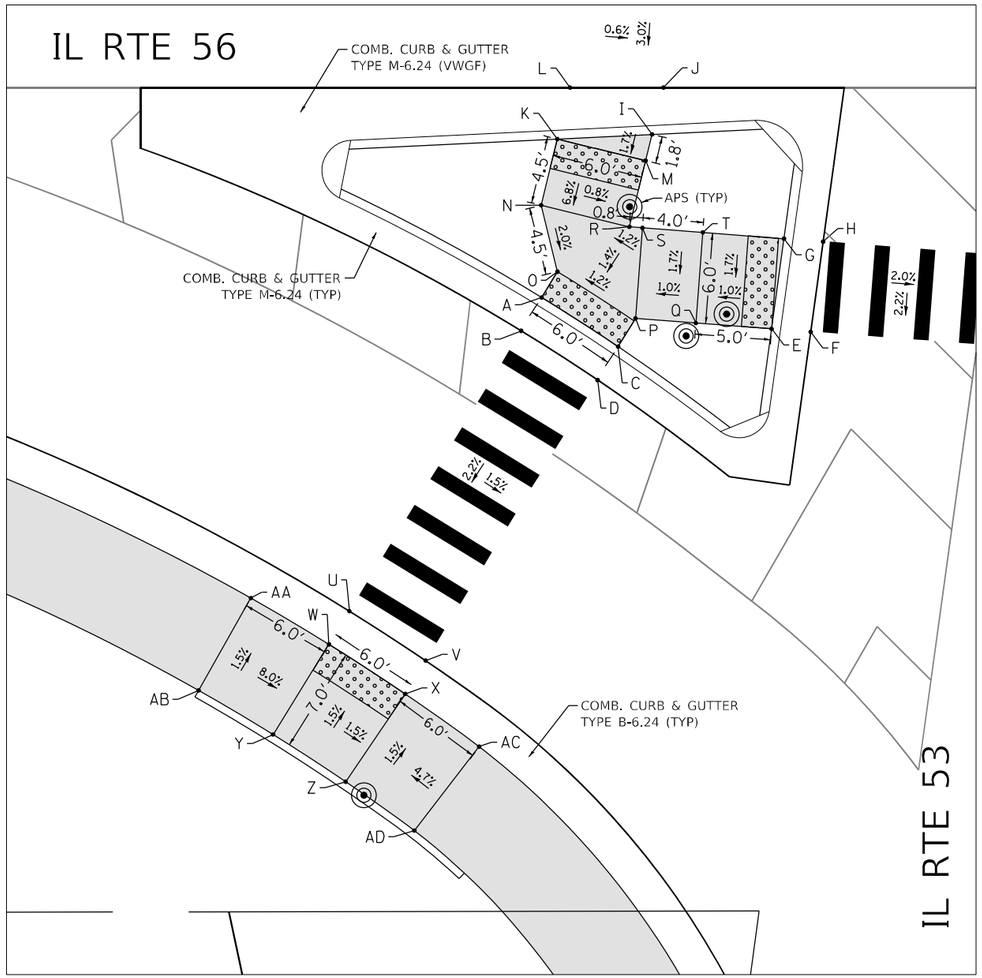
LOCATION KEY



MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D1160P75_SHT_DETAIL_ADARAMP09.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 ADA RAMP DETAILS
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=5' SHEET 9 OF 20 SHEETS STA. N/A TO STA. N/A
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	207
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



SOUTHWEST CORNER
IL ROUTE 53 AT IL ROUTE 56

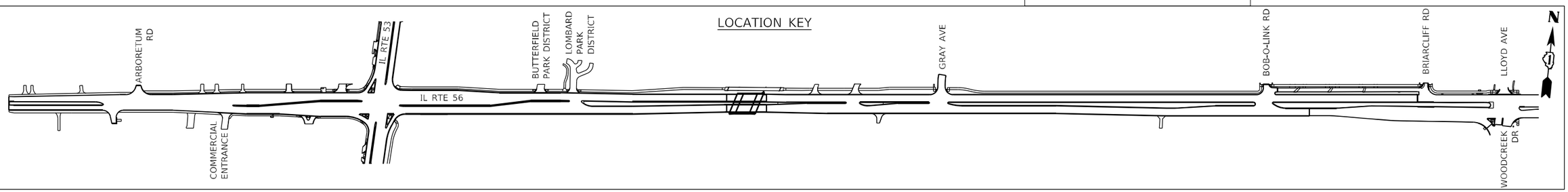
ADA RAMP ELEVATION TABLE

POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	176+96.09	63.87' RT	686.41	1,881,099.49	1,060,215.96
B	176+94.71	66.06' RT	686.47	1,881,097.18	1,060,214.81
C	177+01.11	67.10' RT	686.34	1,881,096.80	1,060,221.28
D	176+99.76	69.31' RT	686.38	1,881,094.47	1,060,220.17
E	177+11.24	65.93' RT	686.46	1,881,099.01	1,060,231.24
F	177+13.82	66.12' RT	686.50	1,881,099.08	1,060,233.83
G	177+12.06	59.97' RT	686.56	1,881,105.01	1,060,231.45
H	177+14.64	60.17' RT	686.62	1,881,105.08	1,060,234.03
I	177+03.35	53.09' RT	686.82	1,881,110.96	1,060,222.07
J	177+03.34	50.00' RT	686.91	1,881,114.12	1,060,222.51
K	176+97.09	53.40' RT	686.84	1,881,110.02	1,060,215.89
L	176+97.09	50.00' RT	686.94	1,881,113.48	1,060,216.36
M	177+02.92	54.82' RT	686.79	1,881,109.19	1,060,221.83
N	176+96.02	57.77' RT	686.53	1,881,105.56	1,060,215.27
O	176+97.11	62.15' RT	686.44	1,881,101.31	1,060,216.80
P	177+02.25	65.24' RT	686.37	1,881,098.77	1,060,222.23
Q	177+06.24	65.54' RT	686.41	1,881,098.88	1,060,226.23
R	177+01.85	59.19' RT	686.48	1,881,104.74	1,060,221.21
S	177+02.71	59.25' RT	686.47	1,881,104.77	1,060,222.07
T	177+06.70	59.56' RT	686.51	1,881,104.87	1,060,226.07
U	176+83.38	84.56' RT	686.05	1,881,077.61	1,060,205.43
V	176+88.50	87.89' RT	685.96	1,881,074.82	1,060,210.88
W	176+82.02	86.76' RT	685.99	1,881,075.29	1,060,204.32
X	176+87.05	90.02' RT	685.90	1,881,072.55	1,060,209.66
Y	176+78.33	92.70' RT	686.10	1,881,068.99	1,060,201.25
Z	176+83.12	95.82' RT	686.01	1,881,066.39	1,060,206.34
AA	176+76.86	83.70' RT	686.47	1,881,077.80	1,060,198.87
AB	176+73.41	89.79' RT	686.58	1,881,071.39	1,060,196.07
AC	176+91.94	93.51' RT	686.18	1,881,069.59	1,060,214.87
AD	176+87.66	99.05' RT	686.29	1,881,063.64	1,060,211.19

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

LOCATION KEY



MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D160975 SHT DETAIL ADARAMP10.dgn

BLA, Inc.
ITASCA, ILLINOIS

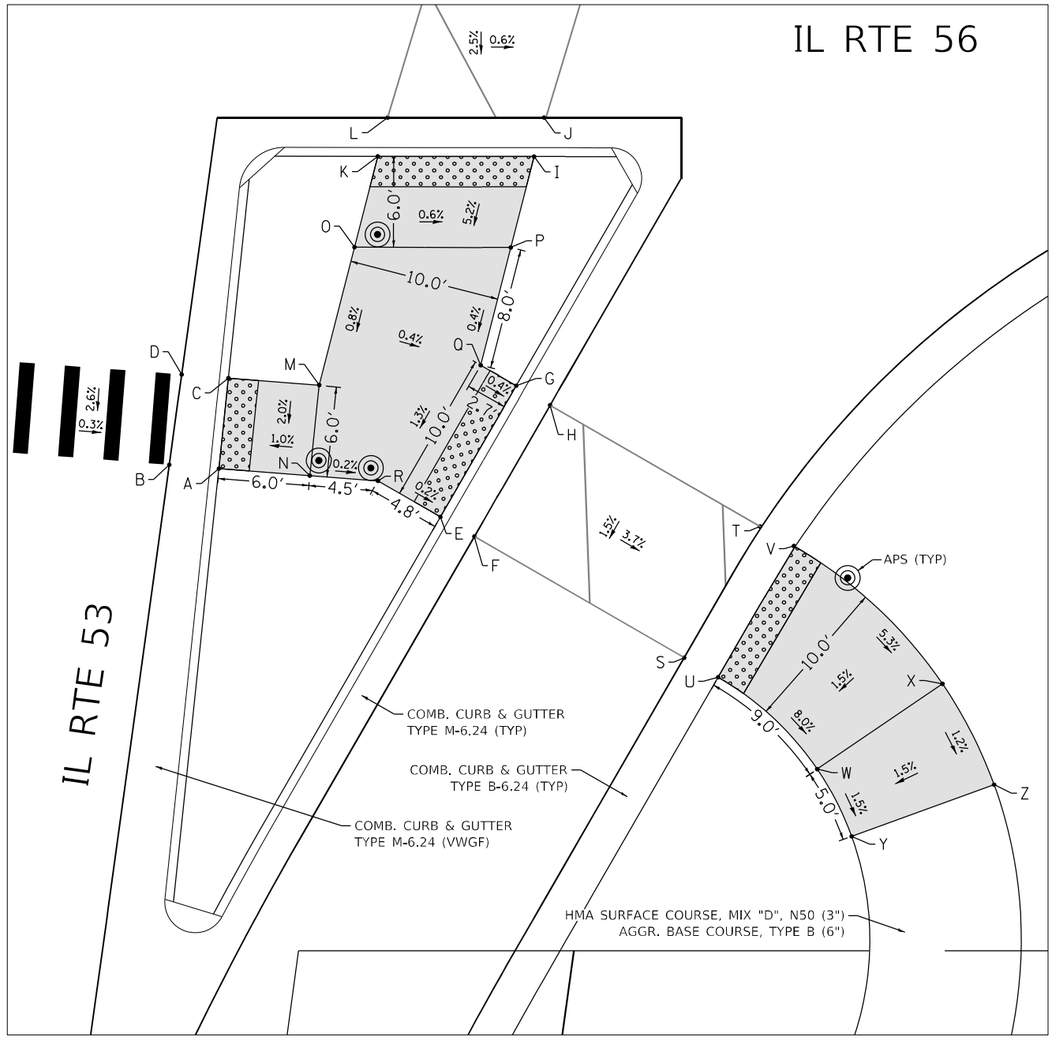
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 10 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	208
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

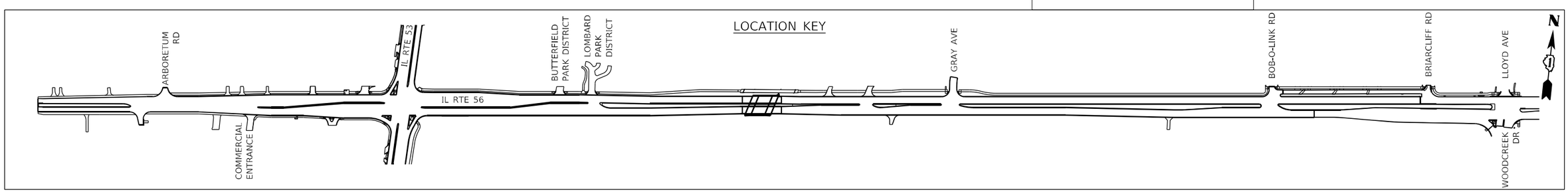


SOUTHEAST CORNER
IL ROUTE 53 AT IL ROUTE 56

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	178+06.00	73.17' RT	685.59	1,881,101.53	1,060,326.25
B	178+02.75	72.72' RT	685.60	1,881,101.45	1,060,322.96
C	178+06.63	67.20' RT	685.71	1,881,107.54	1,060,326.26
D	178+03.57	66.78' RT	685.79	1,881,107.45	1,060,323.17
E	178+20.63	76.36' RT	685.63	1,881,099.86	1,060,341.12
F	178+22.86	77.65' RT	685.69	1,881,098.81	1,060,343.48
G	178+25.63	67.70' RT	685.75	1,881,108.99	1,060,345.21
H	178+27.86	68.99' RT	685.81	1,881,107.94	1,060,347.56
I	178+26.80	52.57' RT	686.11	1,881,124.16	1,060,344.83
J	178+26.80	50.00' RT	686.17	1,881,126.79	1,060,345.22
K	178+16.49	52.56' RT	686.17	1,881,123.12	1,060,334.56
L	178+16.49	50.00' RT	686.23	1,881,125.73	1,060,334.95
M	178+12.62	67.66' RT	685.77	1,881,107.69	1,060,332.26
N	178+11.99	73.63' RT	685.65	1,881,101.69	1,060,332.26
O	178+14.95	58.55' RT	685.85	1,881,116.99	1,060,333.65
P	178+25.27	58.57' RT	685.79	1,881,118.03	1,060,343.91
Q	178+23.28	66.34' RT	685.76	1,881,110.10	1,060,342.73
R	178+16.50	73.98' RT	685.64	1,881,101.81	1,060,336.77
S	178+36.72	85.65' RT	685.10	1,881,092.27	1,060,358.08
T	178+41.72	76.99' RT	685.25	1,881,101.40	1,060,362.17
U	178+38.95	86.94' RT	685.04	1,881,091.22	1,060,360.44
V	178+43.95	78.28' RT	685.19	1,881,100.35	1,060,364.52
W	178+45.50	93.01' RT	684.32	1,881,085.86	1,060,367.57
X	178+53.76	87.38' RT	684.47	1,881,092.31	1,060,375.21
Y	178+47.77	97.45' RT	684.23	1,881,081.68	1,060,370.29
Z	178+57.17	94.03' RT	684.38	1,881,086.04	1,060,379.29

LEGEND

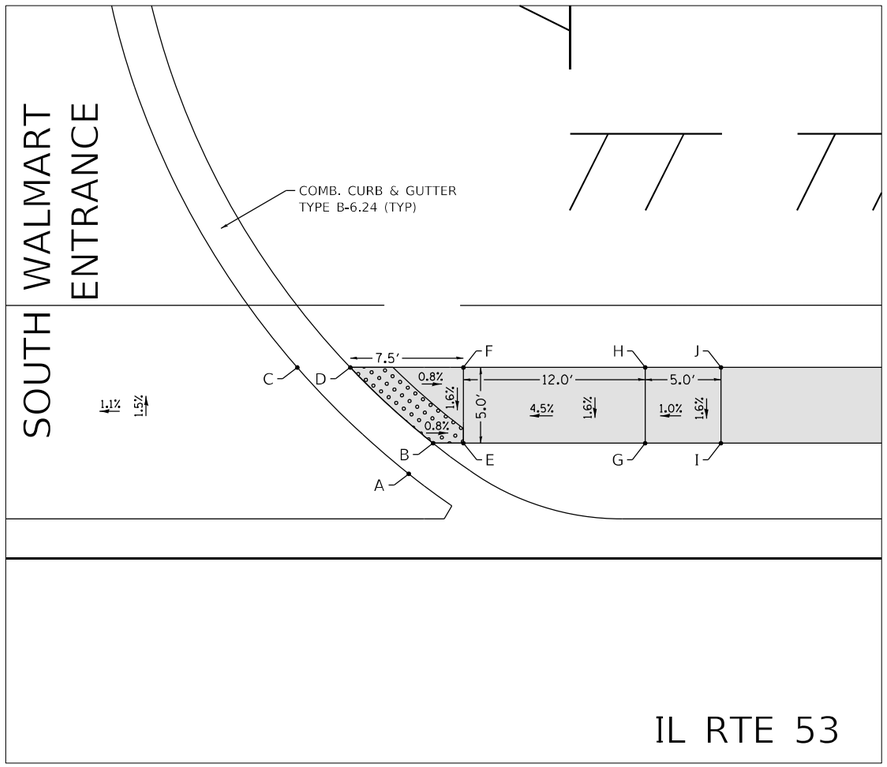
- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

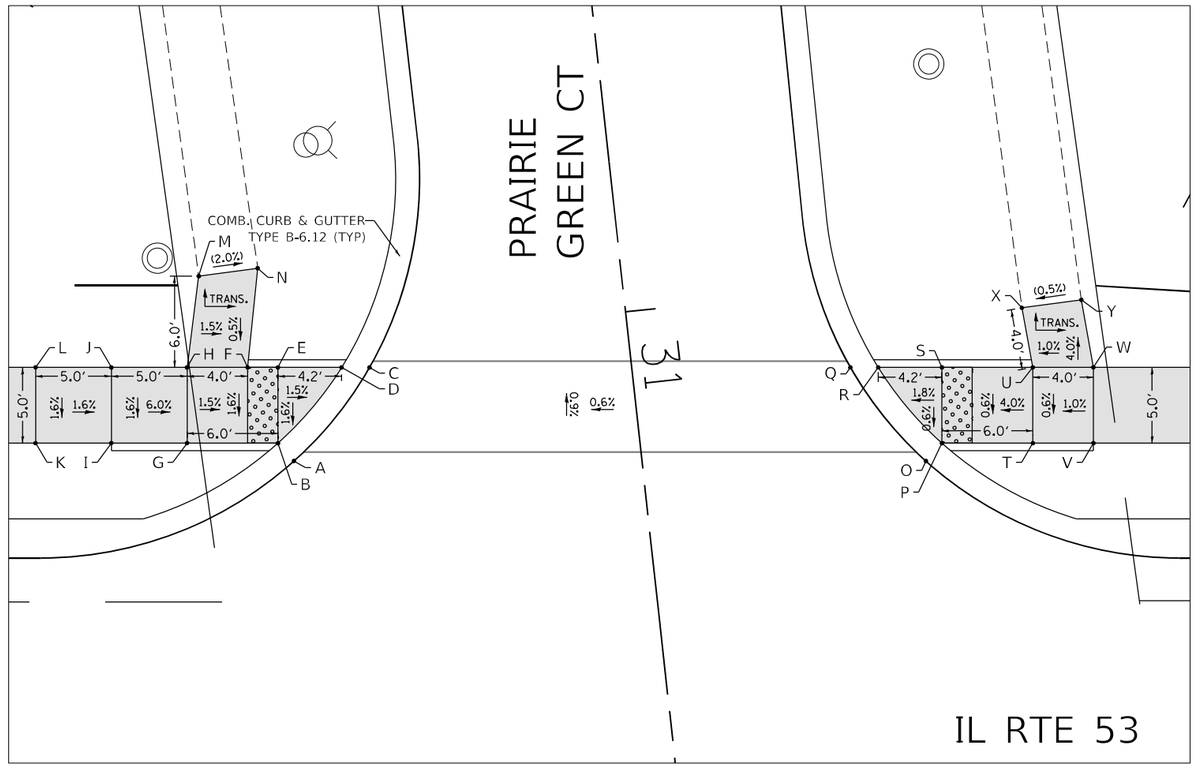


MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D160P75_SHT_DETAIL_ADARAMP11.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 ADA RAMP DETAILS
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=5' | SHEET 11 OF 20 SHEETS | STA. N/A TO STA. N/A
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	209
		CONTRACT NO. 60P75		
	ILLINOIS | FED. AID PROJECT			





IL ROUTE 53 AT SOUTH WALMART ENTRANCE

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	753+09.53	37.40' LT	677.28	1,879,945.97	1,060,207.89
B	753+11.24	39.59' LT	677.22	1,879,947.64	1,060,205.93
C	753+03.69	42.64' LT	677.41	1,879,938.85	1,060,200.62
D	753+05.69	44.58' LT	677.34	1,879,942.34	1,060,200.74
E	753+12.94	39.58' LT	677.20	1,879,949.64	1,060,206.00
F	753+12.94	44.58' LT	677.28	1,879,949.81	1,060,201.00
G	753+24.94	39.58' LT	677.74	1,879,961.63	1,060,206.41
H	753+24.94	44.58' LT	677.82	1,879,961.80	1,060,201.41
I	753+29.94	39.58' LT	677.79	1,879,966.63	1,060,206.58
J	753+29.94	44.58' LT	677.87	1,879,966.80	1,060,201.58

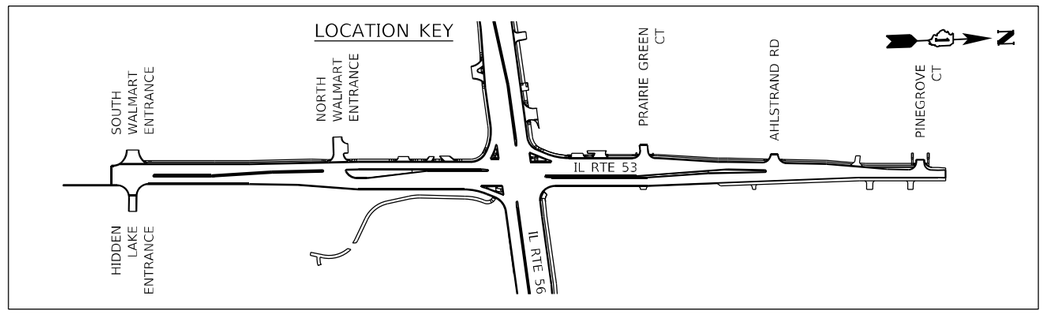
LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

IL ROUTE 53 AT PRAIRIE GREEN COURT

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	769+37.27	58.40' LT	695.26	1,881,573.67	1,060,242.63
B	769+36.22	59.58' LT	695.25	1,881,572.65	1,060,241.42
C	769+41.76	63.74' LT	695.28	1,881,578.86	1,060,236.63
D	769+40.42	64.58' LT	695.27	1,881,577.02	1,060,236.56
E	769+36.22	64.58' LT	695.33	1,881,572.82	1,060,236.42
F	769+34.22	64.58' LT	695.36	1,881,570.82	1,060,236.35
G	769+30.22	59.58' LT	695.34	1,881,566.66	1,060,241.21
H	769+30.22	64.58' LT	695.42	1,881,566.83	1,060,236.22
I	769+25.22	59.58' LT	695.64	1,881,561.66	1,060,241.04
J	769+25.22	64.58' LT	695.72	1,881,561.83	1,060,236.05

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
K	769+20.22	59.58' LT	695.72	1,881,556.66	1,060,240.87
L	769+20.22	64.58' LT	695.80	1,881,556.83	1,060,235.87
M	769+30.99	70.61' LT	(696.46)	1,881,567.81	1,060,230.22
N	769+34.88	71.13' LT	(696.38)	1,881,571.71	1,060,229.83
O	769+78.99	58.40' LT	695.55	1,881,615.36	1,060,244.05
P	769+80.05	59.58' LT	695.54	1,881,616.46	1,060,242.91
Q	769+74.51	63.74' LT	695.50	1,881,610.59	1,060,237.71
R	769+75.85	64.58' LT	695.49	1,881,612.43	1,060,237.77
S	769+80.05	64.58' LT	695.57	1,881,616.63	1,060,237.92
T	769+86.05	59.58' LT	695.78	1,881,622.46	1,060,243.12
U	769+86.05	64.58' LT	695.81	1,881,622.63	1,060,238.12
V	769+90.05	59.58' LT	695.82	1,881,626.45	1,060,243.26
W	769+90.05	64.58' LT	695.85	1,881,626.62	1,060,238.26
X	769+85.32	68.51' LT	(695.65)	1,881,622.04	1,060,234.17
Y	769+89.25	69.04' LT	(695.67)	1,881,625.98	1,060,233.77



MODEL: Default
FILE NAME: W:\191-134_IDOT IL_53 at IL 56\CADD Sheets\D160P75_Set\ DETAIL_ADARAMP12.dgn

BLA, Inc.
ITASCA, ILLINOIS

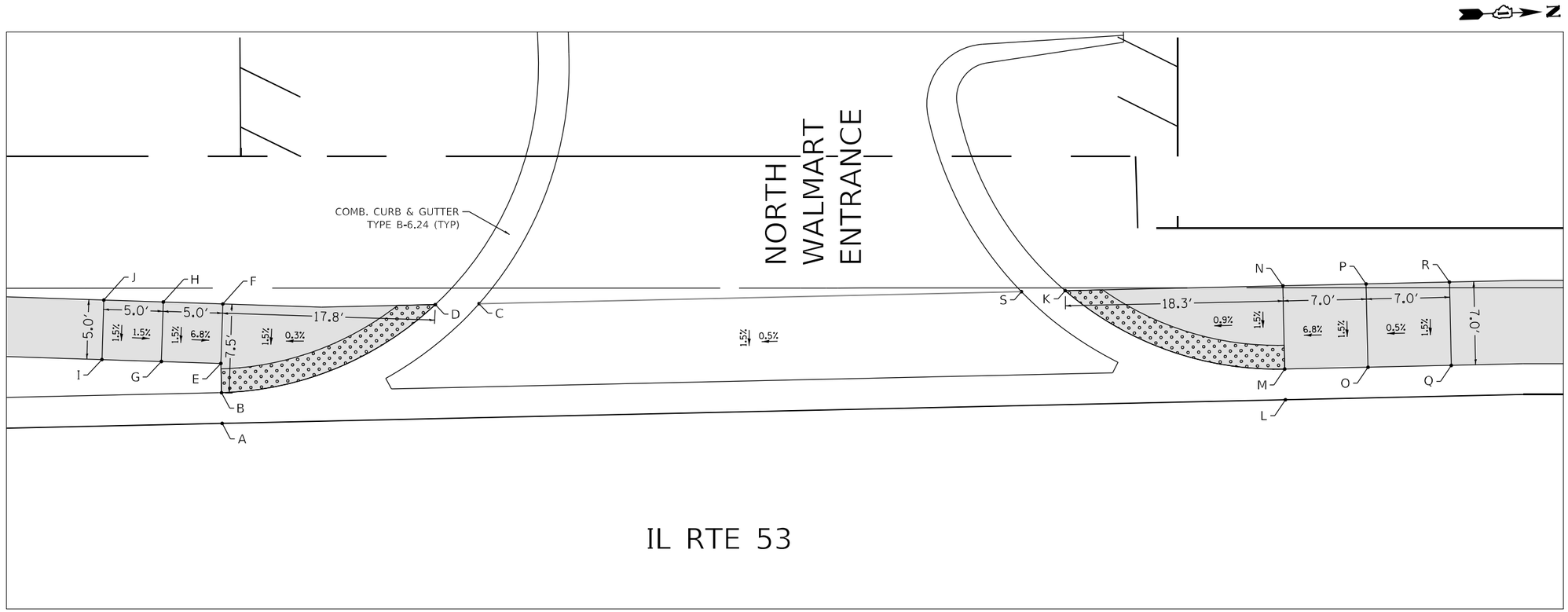
USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 12 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	210
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



IL ROUTE 53 AT NORTH WALMART ENTRANCE

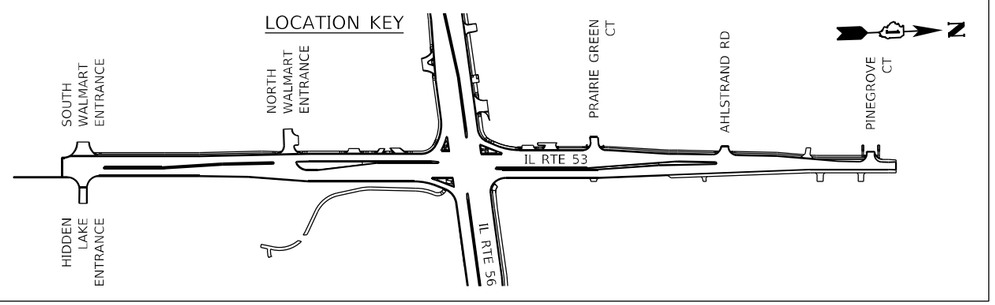
ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	759+05.65	37.57' LT	680.34	1,880,541.93	1,060,228.23
B	759+05.59	40.15' LT	680.28	1,880,541.96	1,060,225.65
C	759+27.23	47.63' LT	680.50	1,880,563.85	1,060,218.92
D	759+23.55	47.55' LT	680.44	1,880,560.17	1,060,218.87
E	759+05.53	42.61' LT	680.32	1,880,541.99	1,060,223.19
F	759+05.70	47.61' LT	680.39	1,880,542.33	1,060,218.20
G	759+00.54	42.78' LT	680.66	1,880,537.00	1,060,222.86
H	759+00.70	47.77' LT	680.73	1,880,537.34	1,060,217.87
I	758+95.54	42.94' LT	680.73	1,880,532.01	1,060,222.53
J	758+95.70	47.94' LT	680.80	1,880,532.35	1,060,217.54

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
K	759+76.49	48.73' LT	680.67	1,880,613.11	1,060,219.50
L	759+94.99	39.56' LT	680.79	1,880,631.29	1,060,229.30
M	759+94.94	42.14' LT	680.73	1,880,631.33	1,060,226.72
N	759+94.78	49.13' LT	680.83	1,880,631.41	1,060,219.72
O	759+01.94	42.29' LT	681.21	1,880,638.33	1,060,226.81
P	759+01.78	49.29' LT	681.31	1,880,638.41	1,060,219.81
Q	760+08.93	42.45' LT	681.24	1,880,645.32	1,060,226.89
R	760+08.78	49.44' LT	681.34	1,880,645.41	1,060,219.89
S	759+72.81	48.64' LT	680.73	1,880,609.43	1,060,219.46

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

LOCATION KEY



MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D160P75_SHT_DETAIL_ADARAMP13.dgn

BLA, Inc.
ITASCA, ILLINOIS

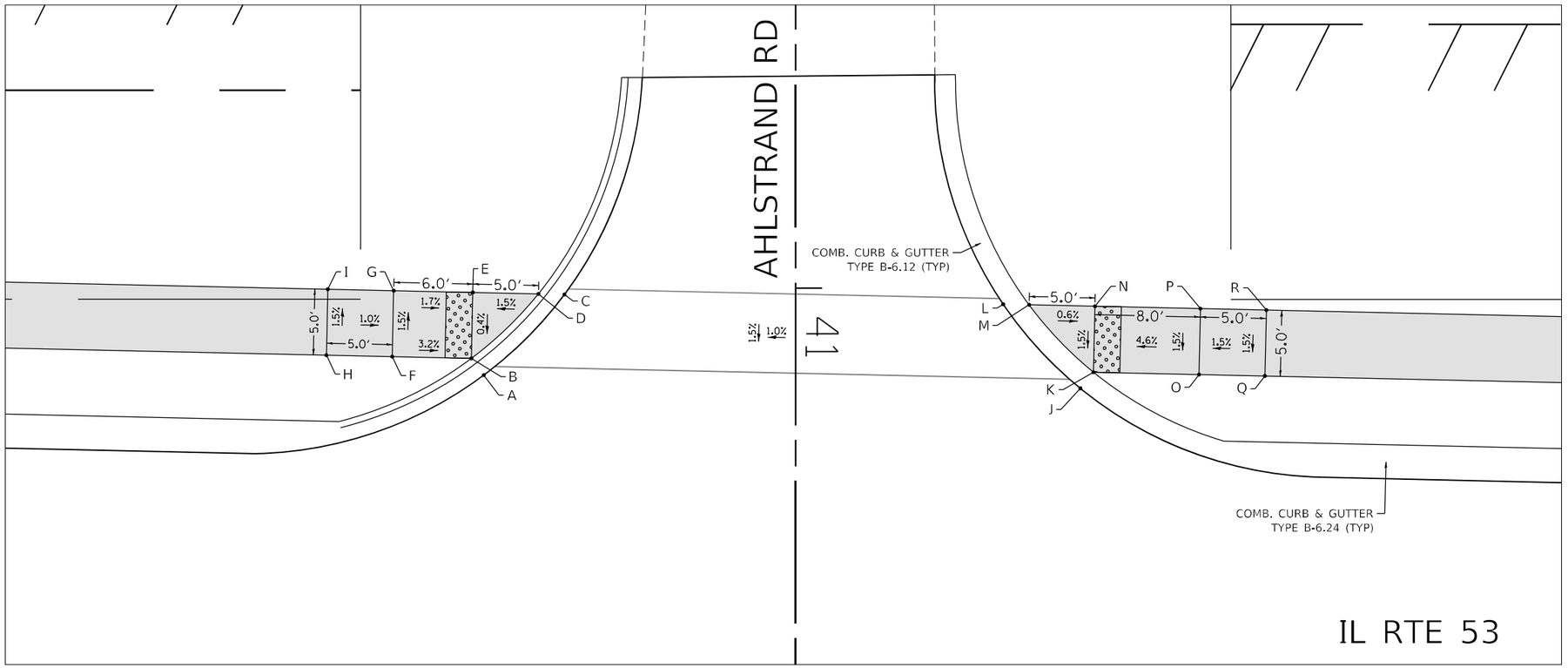
USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 13 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	211
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



IL ROUTE 53 AT AHLSTRAND ROAD

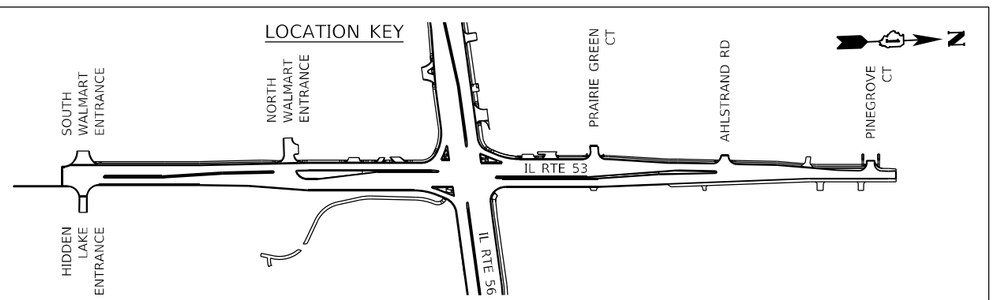
ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	773+65.09	43.41' LT	695.75	1,882,000.72	1,060,272.22
B	773+64.14	44.67' LT	695.74	1,881,999.82	1,060,270.92
C	773+70.46	48.57' LT	695.85	1,882,007.03	1,060,266.32
D	773+69.23	49.56' LT	695.84	1,882,005.07	1,060,266.21
E	773+64.25	49.67' LT	695.76	1,882,000.10	1,060,265.93
F	773+58.14	44.81' LT	695.93	1,881,993.83	1,060,270.59
G	773+58.26	49.81' LT	695.86	1,881,994.11	1,060,265.59
H	773+53.15	44.92' LT	695.98	1,881,988.84	1,060,270.30
I	773+53.26	49.92' LT	695.91	1,881,989.12	1,060,265.31

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
J	774+10.31	42.40' LT	696.07	1,882,045.89	1,060,274.77
K	774+11.31	43.63' LT	696.06	1,882,046.93	1,060,273.58
L	774+05.17	47.79' LT	696.17	1,882,040.26	1,060,268.20
M	774+06.44	48.73' LT	696.16	1,882,042.23	1,060,268.31
N	774+11.42	48.62' LT	696.13	1,882,047.21	1,060,268.59
O	774+19.31	43.45' LT	696.43	1,882,054.91	1,060,274.03
P	774+19.42	48.45' LT	696.50	1,882,055.20	1,060,269.04
Q	774+24.31	43.34' LT	696.50	1,882,059.91	1,060,274.31
R	774+24.42	48.34' LT	696.57	1,882,060.19	1,060,269.32

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

LOCATION KEY



MODEL: Default
FILE NAME: W:\191-134_IDOT IL_53 at IL 56\CADD Sheets\D160P75_Set_DETAIL_ADARAMP14.dgn

BLA, Inc.
ITASCA, ILLINOIS

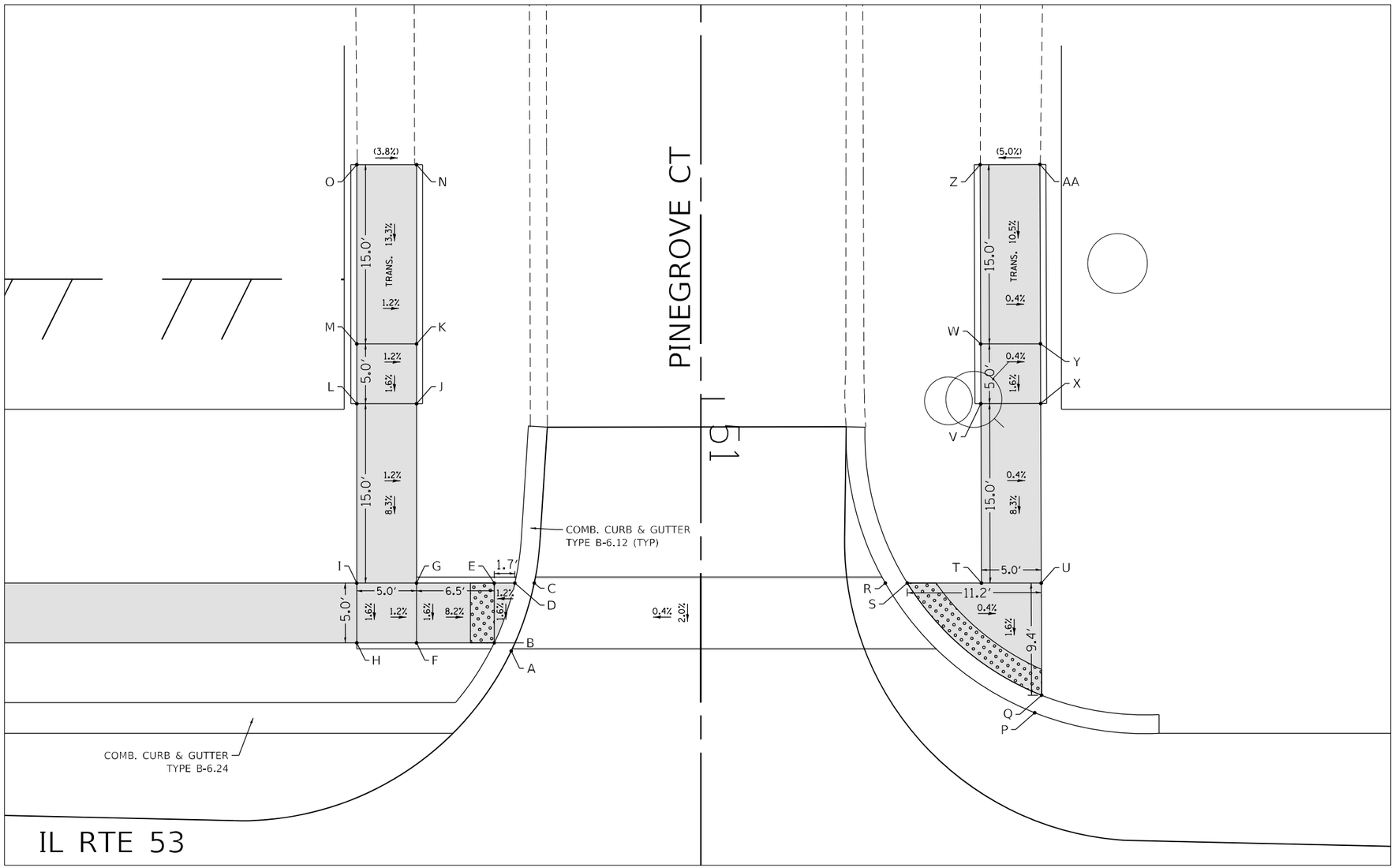
USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 14 OF 20 SHEETS | STA. N/A | TO STA. N/A

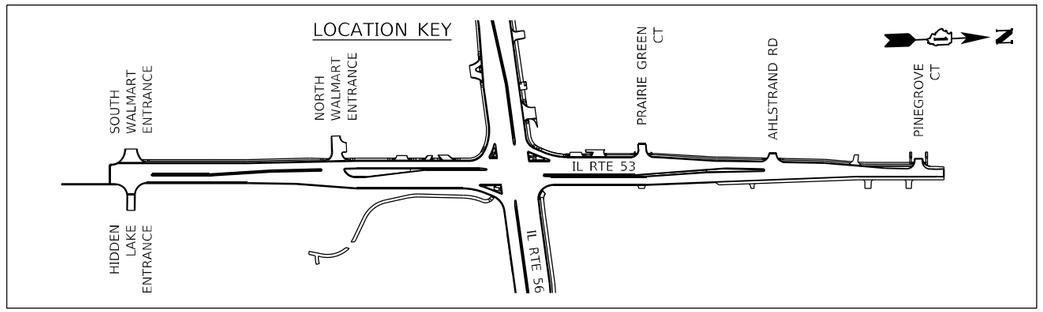
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	212
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



IL ROUTE 53 AT PINEGROVE COURT

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	778+54.21	28.90' LT	698.60	1,882,489.06	1,060,303.42
B	778+52.78	29.58' LT	698.59	1,882,487.66	1,060,302.69
C	778+56.06	34.23' LT	698.70	1,882,491.18	1,060,297.81
D	778+54.52	34.58' LT	698.69	1,882,489.56	1,060,297.75
E	778+52.78	34.58' LT	698.67	1,882,487.83	1,060,297.69
F	778+46.28	29.58' LT	699.12	1,882,481.16	1,060,302.47
G	778+46.28	34.58' LT	699.20	1,882,481.33	1,060,297.47
H	778+41.28	29.58' LT	699.18	1,882,476.17	1,060,302.30
I	778+41.28	34.58' LT	699.26	1,882,476.34	1,060,297.30
J	778+46.28	49.58' LT	700.44	1,882,481.85	1,060,282.48
K	778+46.28	54.58' LT	700.52	1,882,482.02	1,060,277.48
L	778+41.28	49.58' LT	700.50	1,882,476.85	1,060,282.31
M	778+41.28	54.58' LT	700.58	1,882,477.02	1,060,277.31
N	778+46.28	69.58' LT	(702.46)	1,882,482.53	1,060,262.49
O	778+41.28	69.58' LT	(702.65)	1,882,477.53	1,060,262.32

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
P	778+98.00	23.73' LT	698.45	1,882,532.65	1,060,310.08
Q	778+98.58	25.20' LT	698.44	1,882,533.28	1,060,308.63
R	778+85.50	34.58' LT	698.65	1,882,520.53	1,060,298.81
S	778+87.34	34.58' LT	698.64	1,882,522.37	1,060,298.87
T	778+93.55	34.58' LT	698.61	1,882,528.57	1,060,299.08
U	778+98.55	34.60' LT	698.59	1,882,533.57	1,060,299.25
V	778+93.49	49.58' LT	699.85	1,882,529.03	1,060,284.09
W	778+93.47	54.58' LT	699.93	1,882,529.19	1,060,279.09
X	778+98.49	49.60' LT	699.83	1,882,534.03	1,060,284.24
Y	778+98.47	54.60' LT	699.91	1,882,534.19	1,060,279.25
Z	778+93.41	69.58' LT	(701.37)	1,882,529.65	1,060,264.10
AA	778+98.41	69.60' LT	(701.62)	1,882,534.65	1,060,264.25



LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

MODEL: Default
FILE NAME: W:\191-134_IDOT_IL_53 at IL 56\C40D_Sheets\D160P75_SHT_DETAIL_ADARAMP15.dgn

BLA, Inc.
ITASCA, ILLINOIS

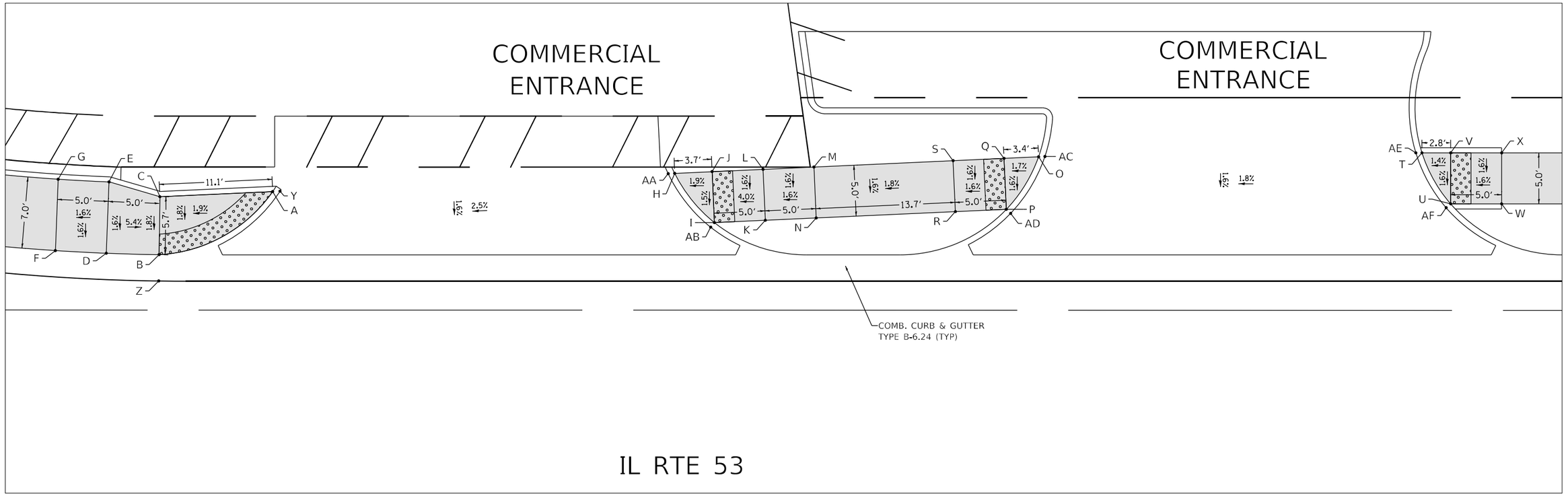
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 15 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	213
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



IL RTE 53

IL ROUTE 53 AT COMMERCIAL ENTRANCES

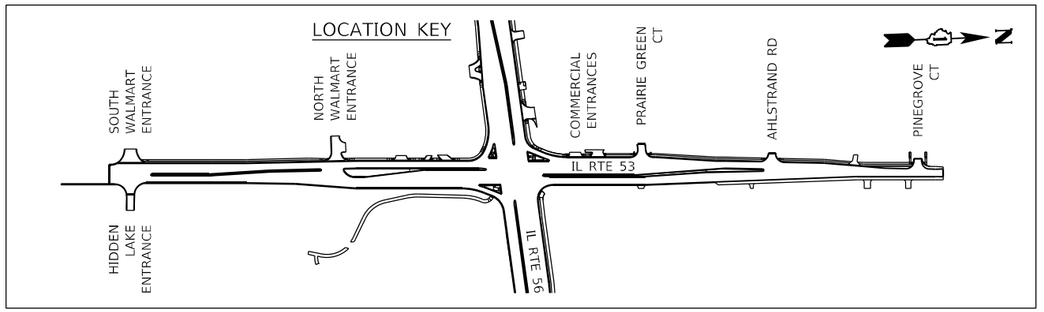
ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	767+18.82	60.78' LT	691.60	1,881,355.42	1,060,232.80
B	767+07.68	54.60' LT	691.29	1,881,344.07	1,060,238.60
C	767+07.75	60.28' LT	691.39	1,881,344.34	1,060,232.92
D	767+02.49	54.73' LT	691.56	1,881,338.90	1,060,238.28
E	767+02.77	61.73' LT	691.67	1,881,339.42	1,060,231.30
F	766+97.50	55.00' LT	691.48	1,881,333.92	1,060,237.85
G	766+97.78	61.99' LT	691.59	1,881,334.43	1,060,230.87
H	767+58.25	62.57' LT	692.89	1,881,394.89	1,060,232.35
I	767+62.15	57.74' LT	692.89	1,881,398.62	1,060,237.31
J	767+61.92	62.74' LT	692.96	1,881,398.57	1,060,232.31
K	767+67.14	57.97' LT	693.09	1,881,403.62	1,060,237.26

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
L	767+66.92	62.96' LT	693.17	1,881,403.57	1,060,232.26
M	767+71.91	63.19' LT	693.25	1,881,412.33	1,060,234.32
N	767+72.14	58.20' LT	693.17	1,881,412.39	1,060,239.32
O	767+93.95	64.19' LT	693.64	1,881,430.63	1,060,231.96
P	767+90.78	59.04' LT	693.50	1,881,427.29	1,060,236.99
Q	767+90.56	64.04' LT	693.58	1,881,427.23	1,060,231.99
R	767+85.79	58.81' LT	693.42	1,881,422.29	1,060,237.05
S	767+85.56	63.81' LT	693.50	1,881,422.23	1,060,232.05
T	768+31.56	64.58' LT	694.35	1,881,468.23	1,060,232.85
U	768+34.37	59.58' LT	694.31	1,881,470.87	1,060,237.94
V	768+34.37	64.58' LT	694.39	1,881,471.04	1,060,232.94

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
W	768+39.37	59.58' LT	694.39	1,881,475.86	1,060,238.11
X	768+39.37	64.58' LT	694.47	1,881,476.03	1,060,233.12
Y	767+19.54	60.81' LT	691.64	1,881,359.90	1,060,234.91
Z	767+07.64	52.02' LT	691.31	1,881,347.71	1,060,243.29
AA	767+57.62	62.54' LT	692.85	1,881,398.02	1,060,234.48
AB	767+61.79	57.29' LT	692.85	1,881,402.01	1,060,239.87
AC	767+94.57	64.22' LT	693.62	1,881,435.01	1,060,234.07
AD	767+91.20	58.64' LT	693.46	1,881,431.45	1,060,239.53
AE	768+30.96	64.58' LT	694.31	1,881,471.39	1,060,234.95
AF	768+33.93	59.20' LT	694.27	1,881,474.18	1,060,240.43

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE



MODEL: Default
FILE NAME: W:\191-134 IDOT IL_53 at IL 56\C4DD Sheets\D160P75 SHT DETAIL ADARAMP16.dgn

BLA, Inc.
ITASCA, ILLINOIS

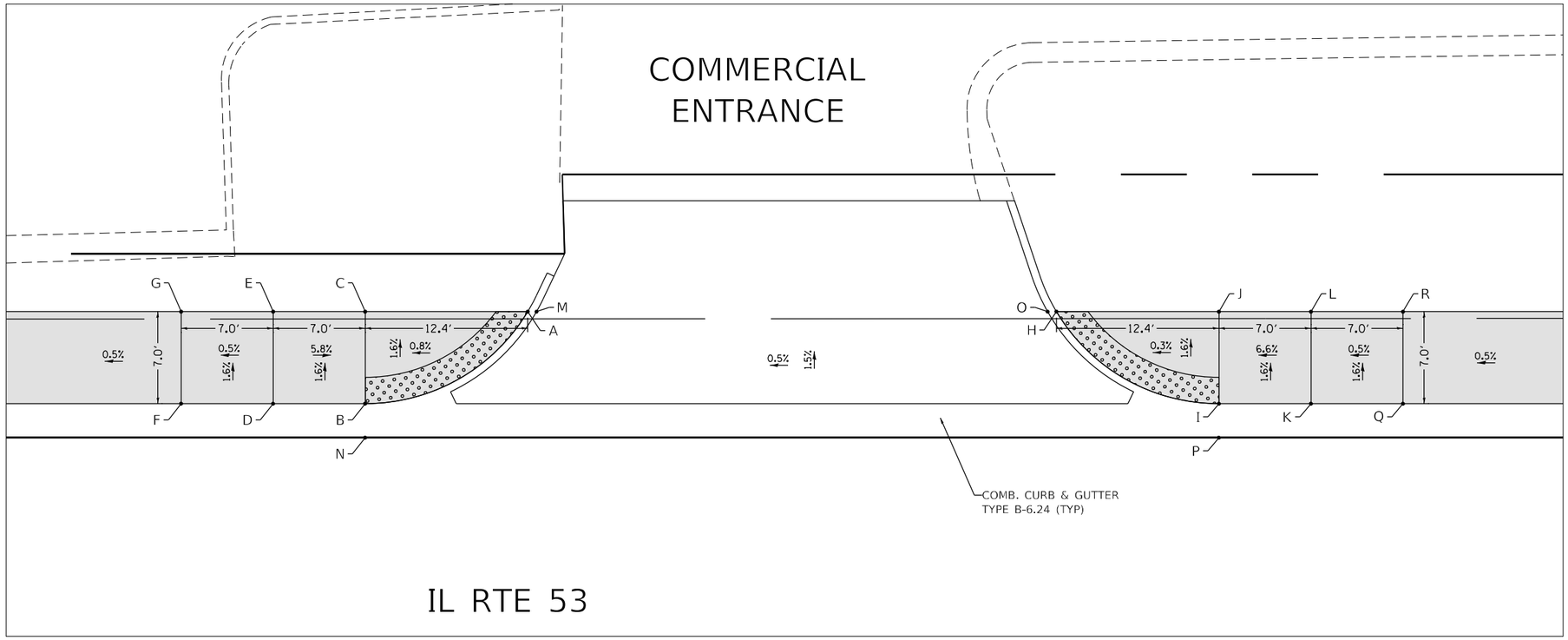
USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 10.0000 ft / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 16 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	214
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



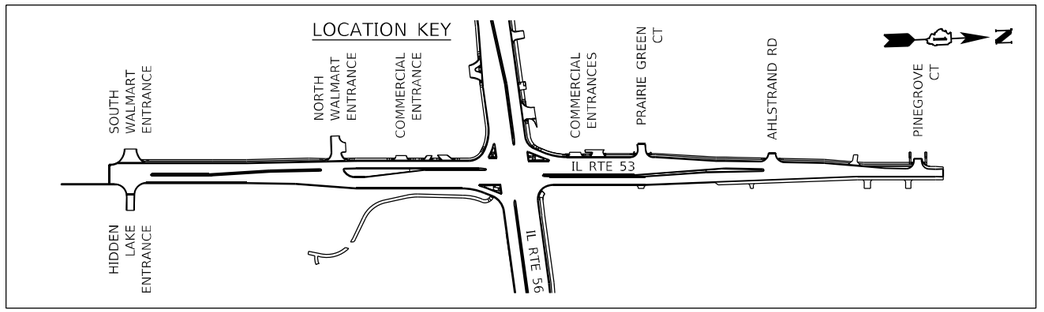
IL ROUTE 53 AT COMMERCIAL ENTRANCE

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	761+43.85	49.58' LT	681.40	1,880,784.17	1,060,226.49
B	761+31.49	42.58' LT	681.41	1,880,771.57	1,060,233.06
C	761+31.49	49.58' LT	681.30	1,880,771.81	1,060,226.06
D	761+24.49	42.58' LT	681.82	1,880,764.58	1,060,232.82
E	761+24.49	49.58' LT	681.71	1,880,764.82	1,060,225.82
F	761+17.49	42.58' LT	681.79	1,880,757.58	1,060,232.58
G	761+17.49	49.58' LT	681.68	1,880,757.82	1,060,225.59
H	761+84.08	49.58' LT	681.60	1,880,824.37	1,060,227.86
I	761+96.44	42.58' LT	681.75	1,880,832.73	1,060,233.16

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
J	761+96.44	49.58' LT	681.64	1,880,832.96	1,060,226.16
K	762+03.44	42.58' LT	682.21	1,880,839.72	1,060,233.39
L	762+03.44	49.58' LT	682.10	1,880,839.96	1,060,226.40
M	761+44.52	49.58' LT	681.36	1,880,784.84	1,060,226.51
N	761+31.49	40.00' LT	681.47	1,880,771.49	1,060,235.64
O	761+83.40	49.58' LT	681.56	1,880,823.70	1,060,227.84
P	761+96.44	40.00' LT	681.80	1,880,836.40	1,060,237.85
Q	762+10.44	42.58' LT	682.25	1,880,846.72	1,060,233.63
R	762+10.44	49.58' LT	682.14	1,880,846.96	1,060,226.64

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE



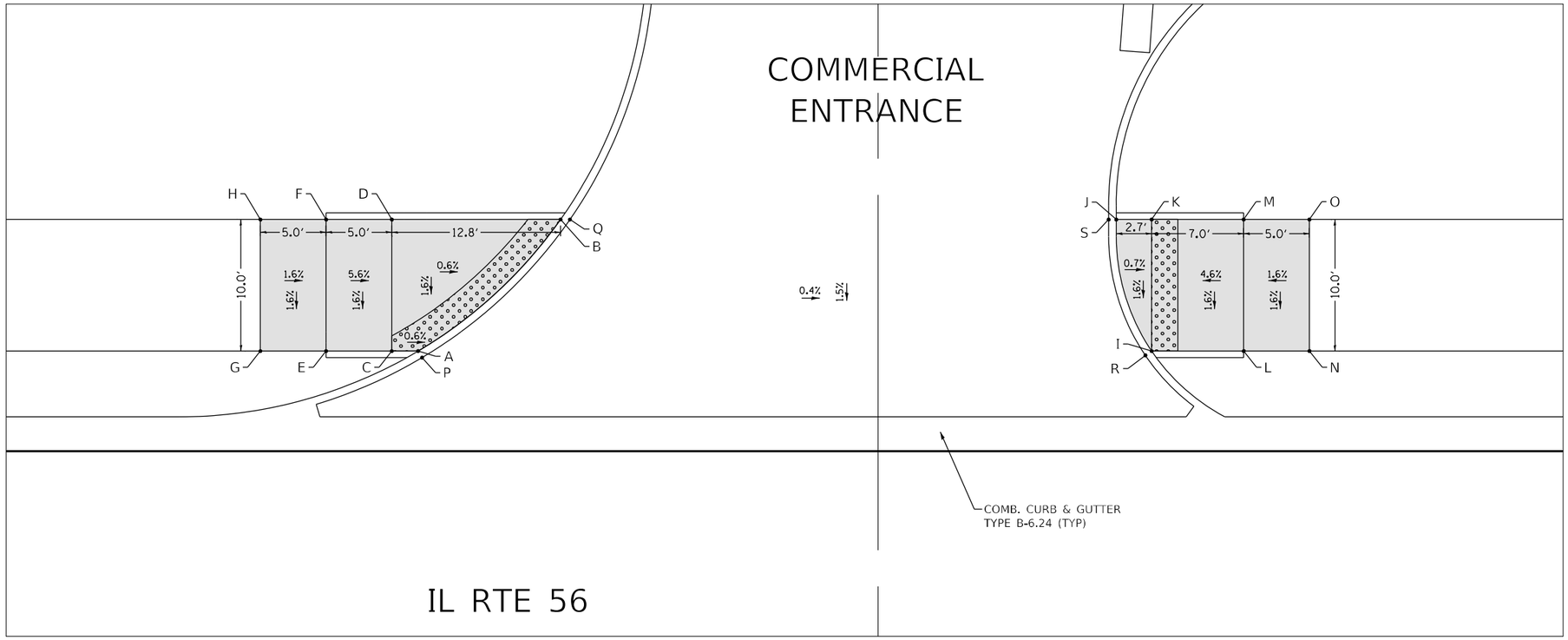
MODEL: Default
FILE NAME: W:\191-134 IDOT IL_53 at IL 56\C40D Sheets\D160P75 Sht DETAIL ADARAMP17.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - MTC	REVISED -	
	PLOT SCALE = 10.0000 ft / in.	CHECKED - JPO	REVISED -	
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -	

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 17 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	215
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



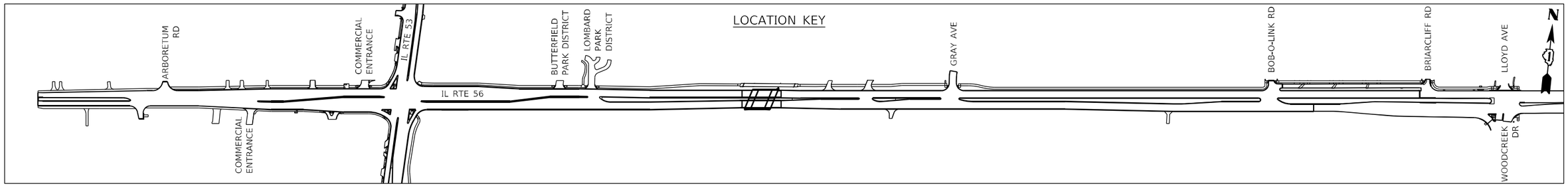
IL ROUTE 56 AT COMMERCIAL ENTRANCE

LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	175+50.50	59.58' LT	688.33	1,881,211.10	1,060,060.58
B	175+61.33	59.58' LT	688.43	1,881,222.16	1,060,070.33
C	175+48.50	59.58' LT	688.34	1,881,210.90	1,060,058.59
D	175+48.50	69.58' LT	688.50	1,881,220.84	1,060,057.57
E	175+43.50	59.58' LT	688.62	1,881,210.38	1,060,053.62
F	175+43.50	69.58' LT	688.78	1,881,220.33	1,060,052.59
G	175+38.50	59.58' LT	688.70	1,881,209.87	1,060,048.65
H	175+38.50	69.58' LT	688.86	1,881,219.82	1,060,047.62
I	176+06.30	59.58' LT	688.09	1,881,216.83	1,060,116.09
J	176+03.61	69.58' LT	688.27	1,881,226.50	1,060,112.39

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
K	176+06.30	69.58' LT	688.25	1,881,226.78	1,060,115.06
L	176+13.30	59.58' LT	688.41	1,881,217.55	1,060,123.06
M	176+13.30	69.58' LT	688.57	1,881,227.50	1,060,122.03
N	176+18.30	59.58' LT	688.49	1,881,218.07	1,060,128.03
O	176+18.30	69.58' LT	688.65	1,881,228.01	1,060,127.00
P	175+50.79	59.08' LT	688.29	1,881,210.64	1,060,060.93
Q	175+62.04	69.58' LT	688.39	1,881,222.24	1,060,071.04
R	176+05.82	59.25' LT	688.05	1,881,216.46	1,060,115.65
S	176+03.03	69.58' LT	688.23	1,881,226.45	1,060,111.81



MODEL: Default
FILE NAME: W:\191-13a IDOT IL 53 at IL 56\C400 Sheets\D160P75 Sht DETAIL ADARAMP18.dgn

BLA, Inc.
ITASCA, ILLINOIS

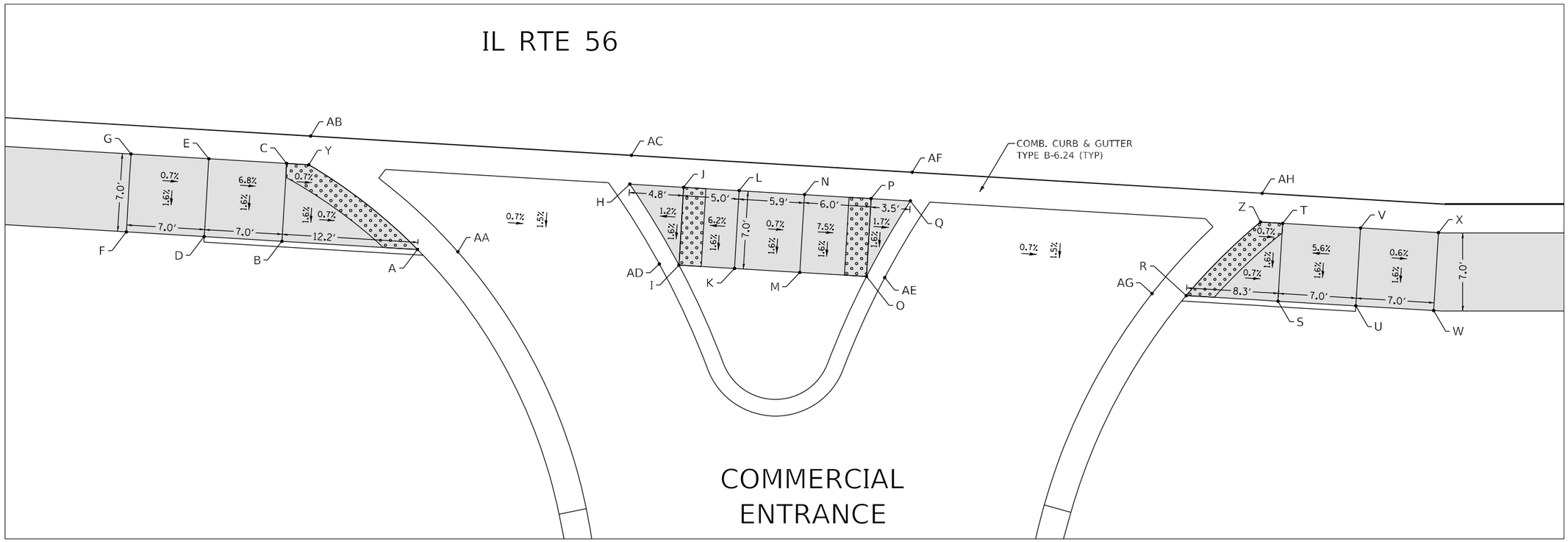
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ft / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 18 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	216
		CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	



IL ROUTE 56 AT COMMERCIAL ENTRANCE

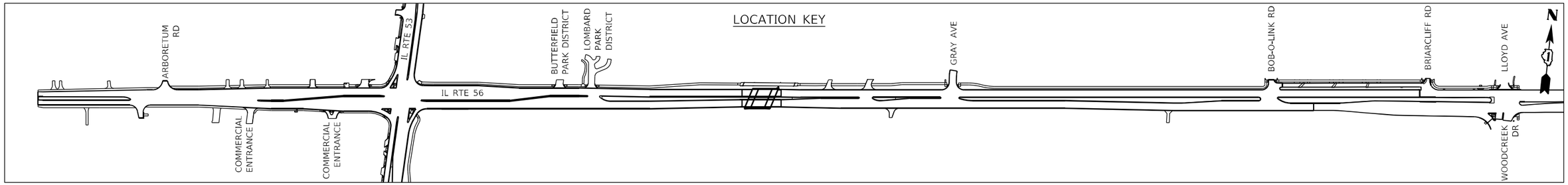
LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	173+87.42	66.05' RT	688.45	1,881,069.39	1,059,911.27
B	173+75.25	65.32' RT	688.54	1,881,068.86	1,059,899.09
C	173+75.67	58.33' RT	688.65	1,881,075.86	1,059,898.79
D	173+68.26	64.90' RT	689.02	1,881,068.56	1,059,892.09
E	173+68.68	57.91' RT	689.13	1,881,075.56	1,059,891.79
F	173+61.27	64.48' RT	689.07	1,881,068.26	1,059,885.10
G	173+61.69	57.49' RT	689.18	1,881,075.26	1,059,884.80
H	174+06.48	60.19' RT	688.42	1,881,077.18	1,059,929.62
I	174+10.89	67.46' RT	688.37	1,881,070.39	1,059,934.76
J	174+11.31	60.48' RT	688.48	1,881,077.39	1,059,934.46
K	174+15.89	67.76' RT	688.68	1,881,070.61	1,059,939.76

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
L	174+16.31	60.78' RT	688.79	1,881,077.60	1,059,939.46
M	174+21.75	68.12' RT	688.64	1,881,070.86	1,059,945.63
N	174+22.17	61.13' RT	688.75	1,881,077.85	1,059,945.33
O	174+27.74	68.48' RT	688.19	1,881,071.12	1,059,951.62
P	174+28.16	61.49' RT	688.30	1,881,078.11	1,059,951.32
Q	174+31.68	61.70' RT	688.24	1,881,078.26	1,059,954.85
R	174+56.45	70.20' RT	687.93	1,881,072.35	1,059,980.36
S	174+64.70	70.70' RT	687.87	1,881,072.70	1,059,988.61
T	174+65.12	63.71' RT	687.98	1,881,079.70	1,059,988.31
U	174+71.68	71.12' RT	688.26	1,881,073.00	1,059,995.61
V	174+72.10	64.13' RT	688.37	1,881,080.00	1,059,995.31

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
W	174+78.67	71.54' RT	688.22	1,881,073.30	1,060,002.60
X	174+79.09	64.55' RT	688.33	1,881,080.30	1,060,002.30
Y	173+77.67	58.45' RT	688.63	1,881,075.94	1,059,900.79
Z	174+63.12	63.59' RT	687.99	1,881,079.61	1,059,986.32
AA	173+91.05	66.27' RT	688.48	1,881,069.54	1,059,914.90
AB	173+77.82	55.88' RT	688.69	1,881,078.52	1,059,900.67
AC	174+06.63	57.61' RT	688.48	1,881,079.76	1,059,929.51
AD	174+09.13	67.36' RT	688.38	1,881,070.32	1,059,933.00
AE	174+29.38	68.57' RT	688.20	1,881,071.19	1,059,953.26
AF	174+31.84	59.12' RT	688.30	1,881,080.84	1,059,954.74
AG	174+53.38	70.02' RT	687.97	1,881,072.22	1,059,977.29
AH	174+63.28	61.01' RT	688.05	1,881,082.19	1,059,986.21



MODEL: Default
FILE NAME: W:\191-134_IDOT_IL_53_at_IL_56\C4DD_Sheets\D160P75_SHT_DETAIL_ADARAMP19.dgn

BLA, Inc.
ITASCA, ILLINOIS

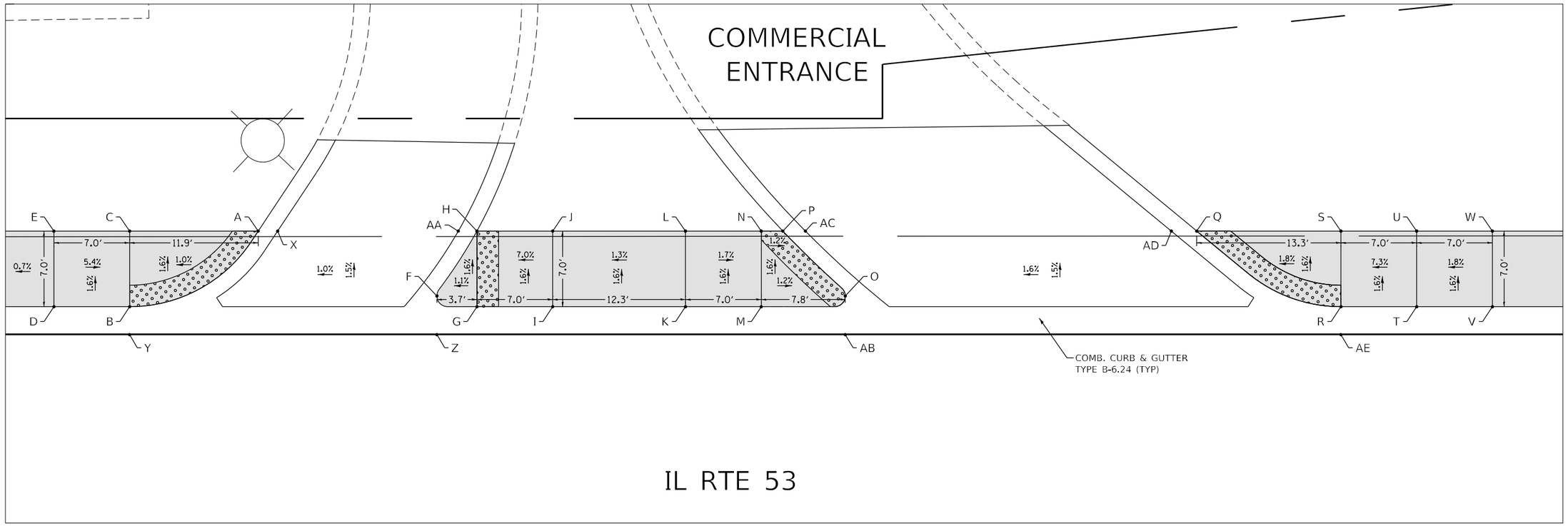
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ft / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 19 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	217
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



IL RTE 53

IL ROUTE 53 AT COMMERCIAL ENTRANCE

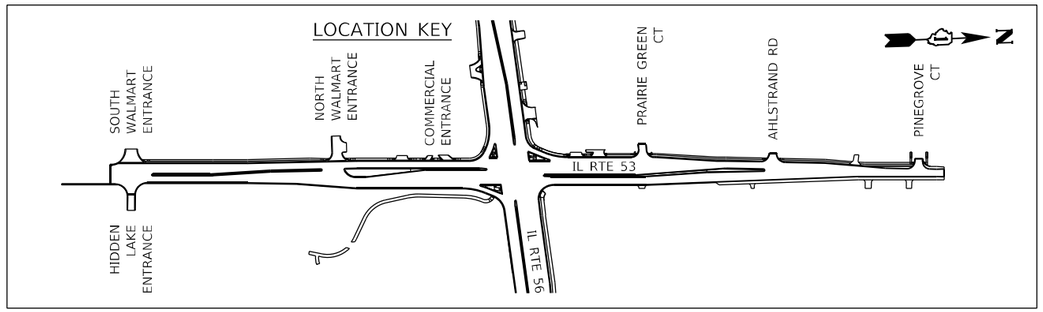
LEGEND

- DETECTABLE WARNINGS
- PROPOSED SIDEWALK W/ AGGREGATE BASE COURSE
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
A	762+42.26	49.58' LT	681.97	1,880,882.52	1,060,229.84
B	762+30.38	42.58' LT	681.96	1,880,870.40	1,060,236.43
C	762+30.38	49.58' LT	681.85	1,880,870.64	1,060,229.44
D	762+23.38	42.58' LT	682.34	1,880,863.41	1,060,236.20
E	762+23.38	49.58' LT	682.23	1,880,863.65	1,060,229.20
F	762+58.79	43.58' LT	682.25	1,880,898.83	1,060,236.41
G	762+62.48	42.58' LT	682.31	1,880,902.49	1,060,237.53
H	762+62.48	49.58' LT	682.20	1,880,902.73	1,060,230.53

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
I	762+69.48	42.58' LT	682.80	1,880,909.49	1,060,237.77
J	762+69.48	49.58' LT	682.69	1,880,909.73	1,060,230.77
K	762+81.77	42.58' LT	682.96	1,880,921.77	1,060,238.19
L	762+81.77	49.58' LT	682.85	1,880,922.01	1,060,231.19
M	762+88.77	42.58' LT	682.84	1,880,928.76	1,060,238.43
N	762+88.77	49.58' LT	682.73	1,880,929.00	1,060,231.43
O	762+96.54	43.58' LT	682.73	1,880,936.57	1,060,237.69
P	762+90.77	49.58' LT	682.71	1,880,931.00	1,060,231.50

ADA RAMP ELEVATION TABLE					
POINT No.	STATION	OFFSET	ELEV.	NORTHING	EASTING
Q	763+29.04	49.58' LT	683.12	1,880,969.25	1,060,232.81
R	763+42.37	42.58' LT	683.47	1,880,982.33	1,060,240.26
S	763+42.37	49.58' LT	683.36	1,880,982.57	1,060,233.26
T	763+49.37	42.58' LT	683.98	1,880,989.33	1,060,240.50
U	763+49.37	49.58' LT	683.87	1,880,989.57	1,060,233.50
V	763+56.37	42.58' LT	684.11	1,880,996.32	1,060,240.74
W	763+56.37	49.58' LT	684.00	1,880,996.56	1,060,233.74
X	762+44.07	49.58' LT	681.98	1,880,884.32	1,060,229.91
Y	762+30.38	40.00' LT	682.02	1,880,870.32	1,060,239.01
Z	762+58.79	40.00' LT	682.30	1,880,898.71	1,060,239.98
AA	762+60.76	49.58' LT	682.21	1,880,901.01	1,060,230.48
AB	762+96.54	40.00' LT	682.78	1,880,936.44	1,060,241.27
AC	762+92.86	49.58' LT	682.72	1,880,933.09	1,060,231.57
AD	763+26.68	49.58' LT	683.13	1,880,966.89	1,060,232.73
AE	763+42.37	40.00' LT	683.53	1,880,982.24	1,060,242.84



MODEL: Default
FILE NAME: W:\191-134 IDOT IL_53 at IL 56\C4DD Sheets\D160P75_SHT_DETAIL_ADARAMP20.dgn

BLA, Inc.
ITASCA, ILLINOIS

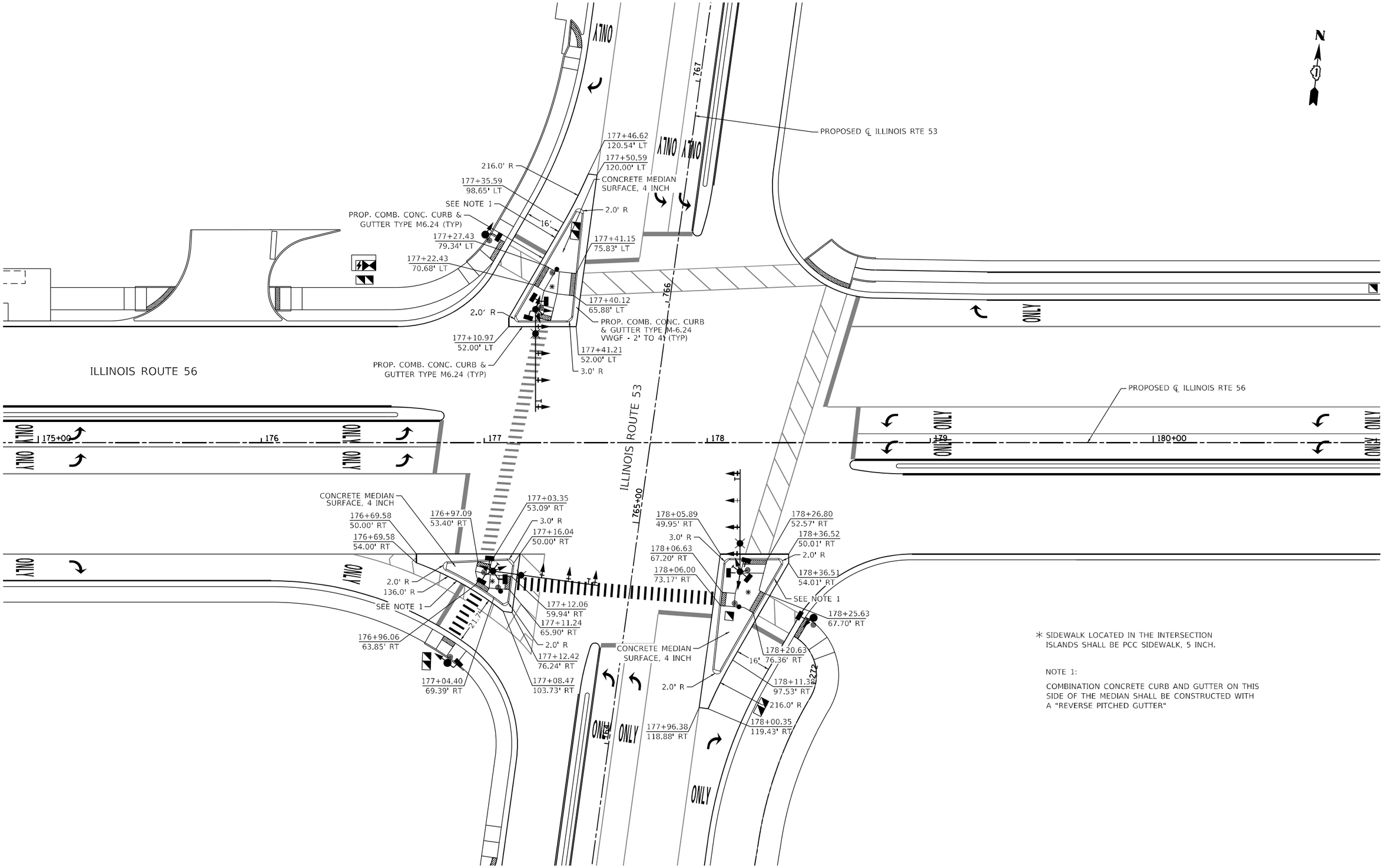
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ft / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 20 OF 20 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	218
		CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	



* SIDEWALK LOCATED IN THE INTERSECTION ISLANDS SHALL BE PCC SIDEWALK, 5 INCH.

NOTE 1:

COMBINATION CONCRETE CURB AND GUTTER ON THIS SIDE OF THE MEDIAN SHALL BE CONSTRUCTED WITH A "REVERSE PITCHED GUTTER"

MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D160P75 SHT DETAIL RIGHT TURN GEOMETRY.dgn

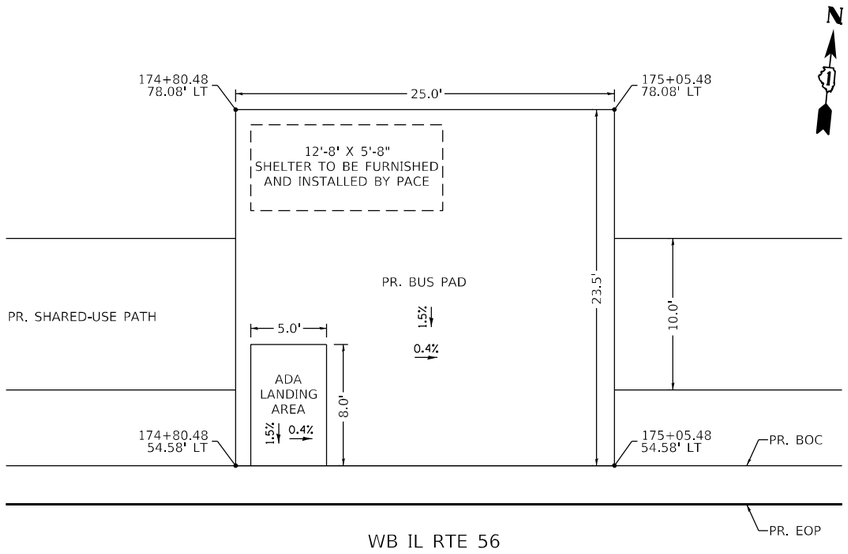
BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN - MTC	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - JPO	REVISED -
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

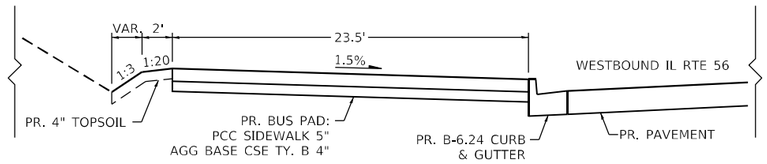
IL ROUTE 53 AT IL ROUTE 56
RIGHT TURN ISLAND GEOMETRY

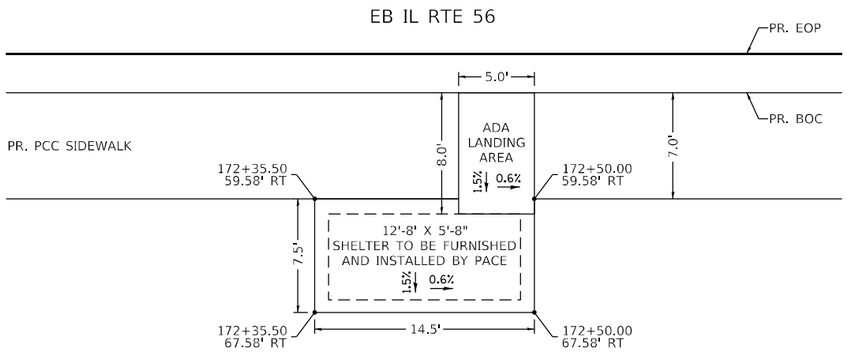
SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

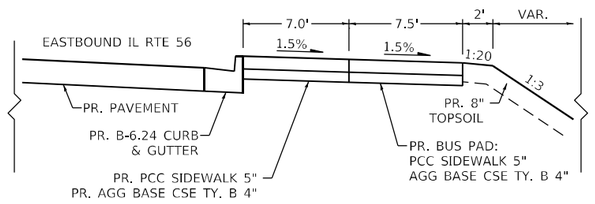
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	219
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTIONS







MODEL: Default
FILE NAME: W:\191-134_IDOT_IL_53_at_IL_56\CADD Sheets\D160P75_SHT_DETAIL_PACEPAD.dgn

BLA, Inc.
ITASCA, ILLINOIS

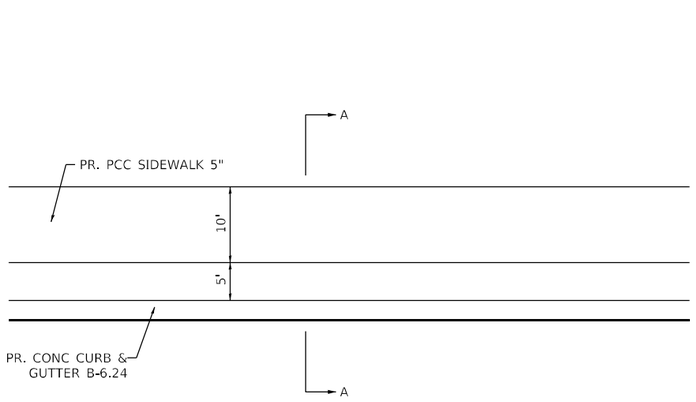
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

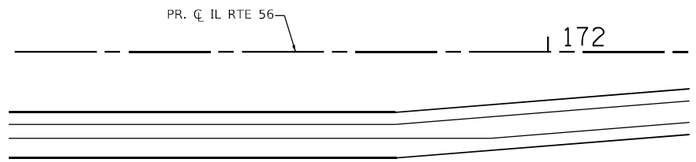
IL ROUTE 56
PACE PAD DETAIL

SCALE: 1"=5' | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

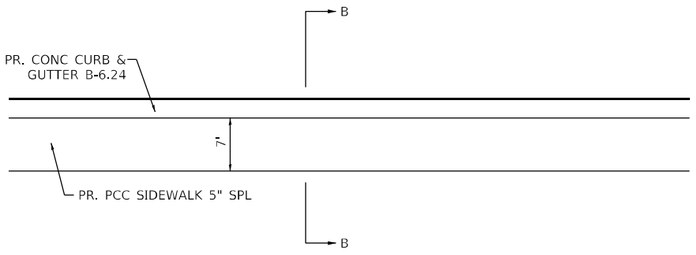
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	220
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

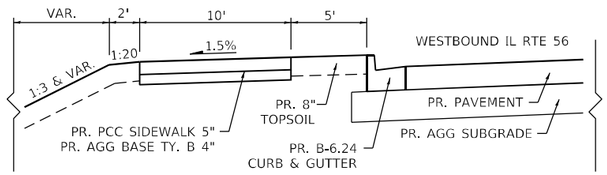


WESTBOUND IL RTE 56



EASTBOUND IL RTE 56





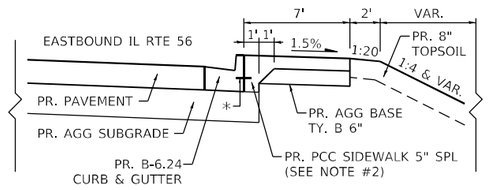
SECTION A–A

IL RTE 56
STA 166+18 TO 177+09 LT

NOTES:

1. PCC SIDEWALK SHALL BE 5-INCH THICKNESS EXCEPT AT CONCRETE DRIVEWAY CROSSINGS, WHERE THE SIDEWALK SHALL BE THICKENED TO MATCH DRIVEWAY THICKNESS IN ACCORDANCE WITH ARTICLE 424.04 OF THE SSRBC, AND MEASURED AND PAID FOR AS PCC DRIVEWAY PAVEMENT.

2. WHERE SHARED-USE PATH OR SIDEWALK ARE IMMEDIATELY ADJACENT TO CURB & GUTTER, THE EDGE OF THE PATH OR SIDEWALK SHALL BE THICKENED TO MATCH THE DEPTH OF THE ADJACENT CURB & GUTTER AS SHOWN IN THE SECTION B-B DETAIL BELOW. THE ENTIRE WIDTH OF THE SIDEWALK, INCLUDING BOTH THICKENED AND NON-THICKENED SECTIONS, SHALL BE MEASURED AND PAID AS PCC SIDEWALK 5" SPECIAL. THE NO. 4 TIE BARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PCC SIDEWALK 5" SPECIAL.



* TIE BARS SHALL BE NO. 4 AT 24" CENTERS

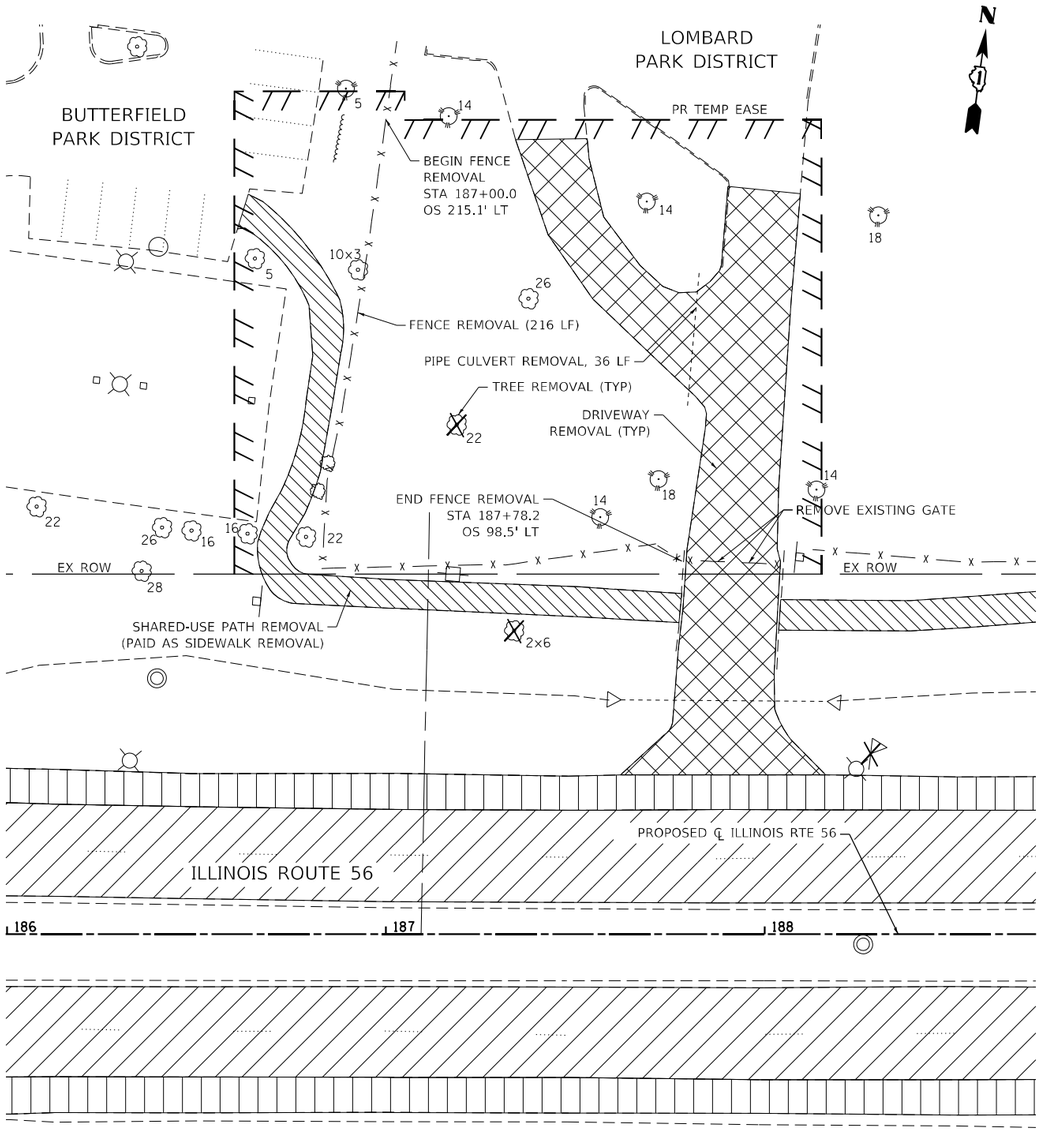
SECTION B–B

IL RTE 56
STA 170+34 TO 177+12 RT
IL RTE 53
STA 759+77 TO 764+50 LT

MODEL: Default
FILE NAME: W:\191-134_IDOT_IL_53_at_IL_56\CADD_Sheets\D160P75_Sht_DETAIL_GLEN_ELLYN_SW.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 GLEN ELLYN SIDEWALK DETAIL
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	221
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



PAVED SHLDR REMOVAL

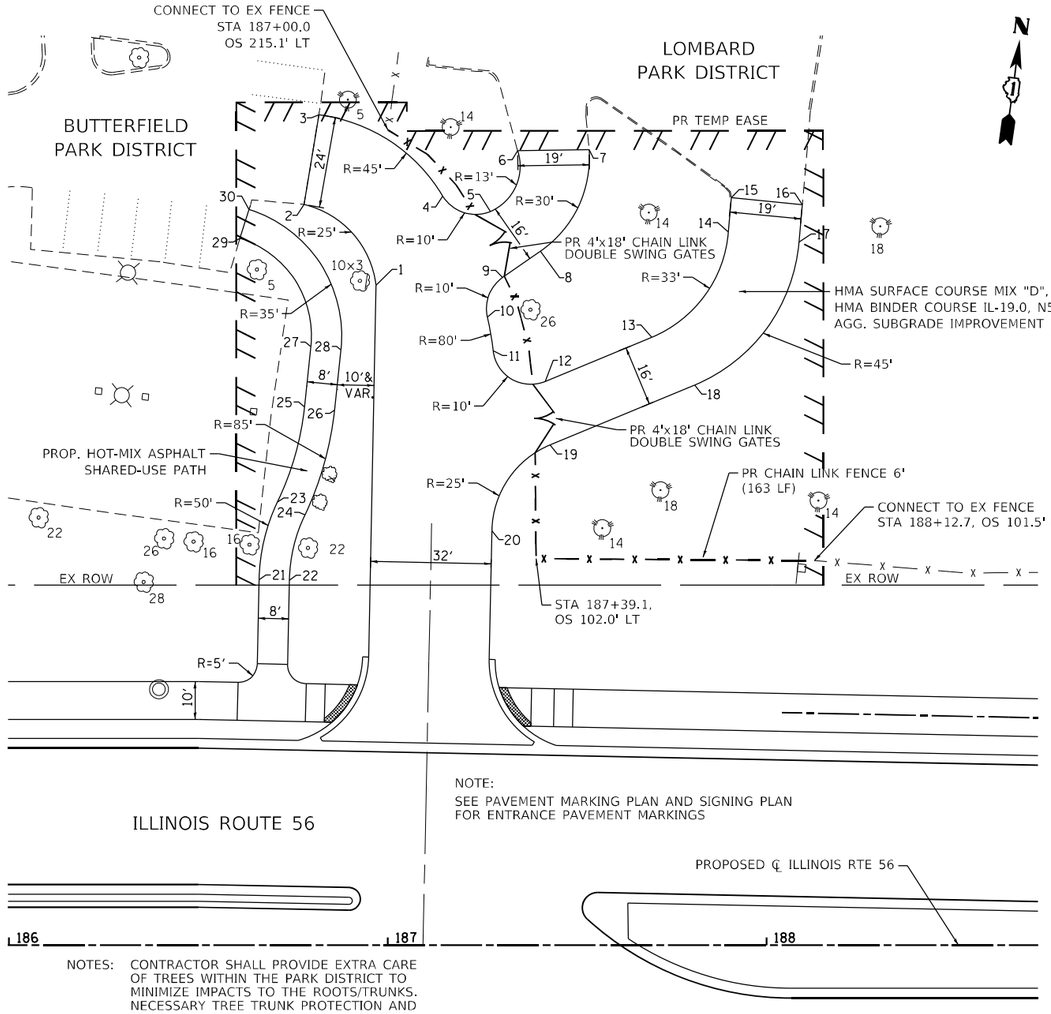
SIDEWALK REMOVAL

DRIVEWAY REMOVAL

PAVEMENT REMOVAL

TREE REMOVAL

RELOC. EX. MAILBOX



NOTE:
SEE PAVEMENT MARKING PLAN AND SIGNING PLAN
FOR ENTRANCE PAVEMENT MARKINGS

NOTES: CONTRACTOR SHALL PROVIDE EXTRA CARE OF TREES WITHIN THE PARK DISTRICT TO MINIMIZE IMPACTS TO THE ROOTS/TRUNKS. NECESSARY TREE TRUNK PROTECTION AND TREE ROOT PRUNING SHALL BE PROVIDED TO THE SATISFACTION OF THE ENGINEER.

THE PROPOSED SUBGRADE BELOW THE PARK DISTRICT ENTRANCE PAVEMENT SHALL HAVE A THICKNESS OF 6 INCHES AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR AGGREGATE SUBGRADE IMPROVEMENT.

ALL EQUIPMENT AND MATERIALS NECESSARY FOR CONNECTION OF PROP. FENCE TO EXIST. FENCE SHALL BE INCLUDED IN THE BID PRICE OF "CHAIN LINK FENCE, 6 FT."

PARK DISTRICT ENTRANCE ELEVATION TABLE			
POINT NO.	STATION	OFFSET (FT)	ELEV.
1	186+96.93	175.16' LT	678.99
2	186+77.90	195.54' LT	680.91
3	186+80.95	214.32' LT	680.93
4	187+13.94	195.16' LT	678.91
5	187+27.17	193.56' LT	678.86
6	187+34.28	209.77' LT	678.80
7	187+53.15	210.01' LT	678.71
8	187+40.30	183.21' LT	678.59
9	187+30.32	176.25' LT	678.53
10	187+26.29	165.80' LT	678.52

PARK DISTRICT ENTRANCE ELEVATION TABLE			
POINT NO.	STATION	OFFSET (FT)	ELEV.
11	187+27.82	156.93' LT	678.50
12	187+41.59	148.84' LT	678.63
13	187+35.20	146.19' LT	678.67
14	187+89.94	188.25' LT	678.75
15	187+90.70	197.35' LT	678.77
16	188+09.45	195.51' LT	678.64
17	188+08.60	130.35' LT	678.62
18	187+81.01	147.88' LT	678.54
19	187+42.86	132.04' LT	678.48
20	187+27.45	109.44' LT	678.40

SHARED-USE PATH GEOMETRY		
POINT NO.	STATION	OFFSET (FT)
21	186+66.00	96.47' LT
22	186+74.00	96.31' LT
23	186+70.87	117.04' LT
24	186+78.09	113.58' LT
25	186+77.98	142.12' LT
26	186+85.93	141.27' LT
27	186+79.67	158.00' LT
28	186+87.62	157.16' LT
29	186+60.97	186.60' LT
30	186+63.33	194.24' LT

MODEL: Default
FILE NAME: W:\191-134_IDOT IL_53 at IL 56\CADD Sheets\D1660P75_SHT_DETAIL_LMBD PARK DIST ENT.dgn

BLA, Inc.
ITASCA, ILLINOIS

USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024		REVISED -

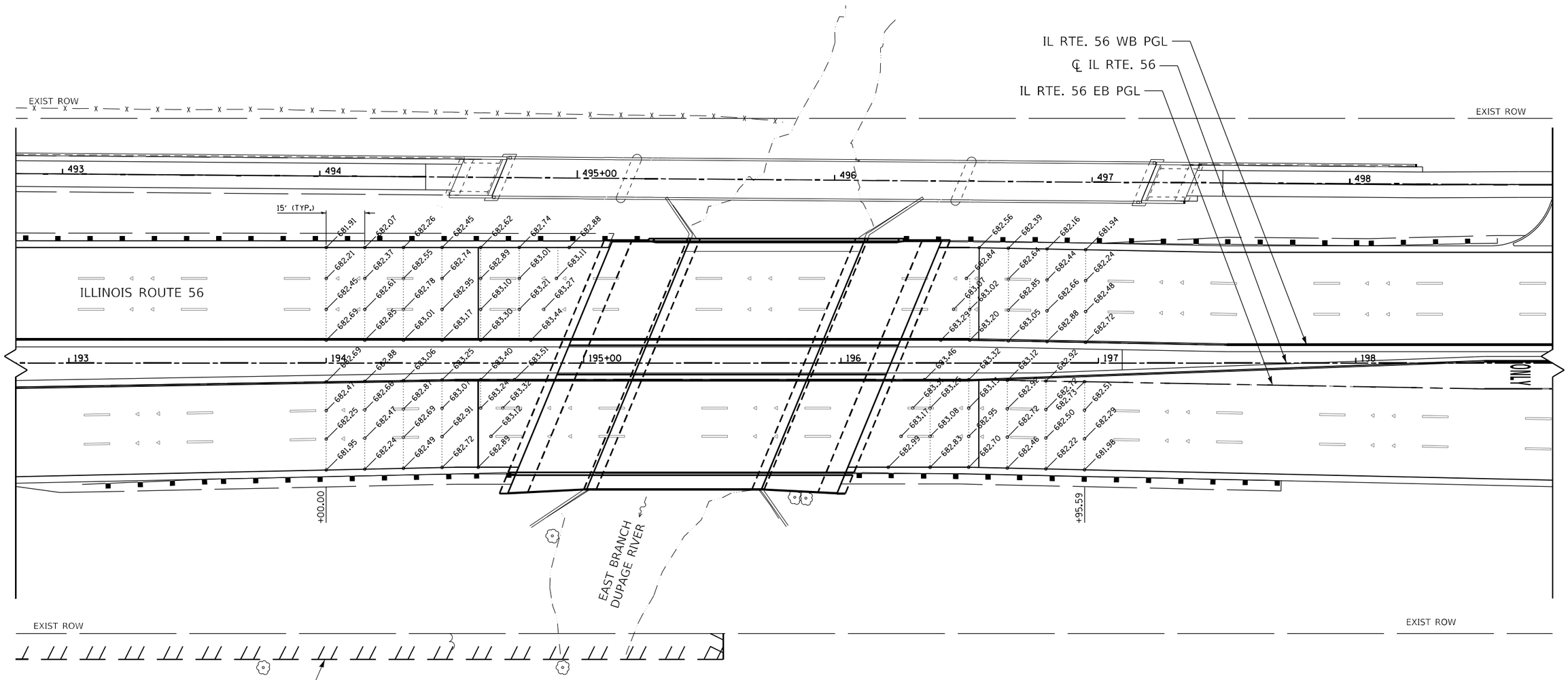
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
COMBINED PARK DISTRICT ENTRANCE DETAIL

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 186+00 TO STA. 188+70

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	222
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

DETAIL – PAVEMENT TRANSITION GRADES NEAR IL RTE. 56 BRIDGE OVER EAST BRANCH DUPAGE RIVER



NOTES:
PCC PAVEMENT ELEVATIONS MUST BE ADJUSTED BETWEEN STA 194+00 AND STA 196+95 EASTBOUND AND WESTBOUND TO MEET PROPOSED APPROACH SLAB ELEVATIONS OVER THE BRIDGE. SEE STRUCTURAL DRAWINGS FOR APPROACH SLAB ELEVATIONS.

MODEL: Default
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D160775_SHT_DETAIL_BLAD1.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 PAVEMENT TRANSITION GRADES NEAR BRIDGE
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	223
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

THERMOPLASTIC PAVEMENT MARKING | POLYUREA PAVEMENT MARKING

ILLINOIS RTE 56 RECONSTRUCTION BEGINS STA. 159+60.00

EXIST ROW

4" WHITE EDGE LINE SOLID (TYP)

4" WHITE LINE (10' DASH - 30' SKIP) (TYP)

4" YELLOW SOLID MEDIAN EDGE LINE (TYP)

ILLINOIS ROUTE 56

24" WHITE STOP BAR (TYP)

WHITE SYMBOLS (TYP)

ARBORETUM ROAD

+91.83
66.00' LT

4" YELLOW SOLID LINE (TYP)

RAISED REFLECTIVE MARKERS 2-SIDED (WHITE-RED) 80' 0-C (TYP)

WHITE SYMBOLS (TYP)

WB PGL ILLINOIS RTE 56
EB PGL ILLINOIS RTE 56
PROPOSED ℄ ILLINOIS RTE 56

END MEDIAN TAPER

BEGIN TAPER

360' TAPER

96' R

4' R

5' R

END TAPER

MATCH LINE STA 174+00

160+00

165+00

170+00

SKIP-DASH EXTENDS TO
STA 153+10 (WB)
STA 151+80 (EB)

6" WHITE LINE SOLID (TYP)

6" WHITE LINE (2' DASH - 6' SKIP) (TYP)

+72.22
51.00' RT

24" WHITE STOP BAR (TYP)

4" YELLOW LINE (10' DASH - 30' SKIP) (TYP)

+17.43
60.10' RT

TEMP ESMT (TYP)

TEMP ESMT

12" YELLOW DIAGONALS 21' C-C @ 45° (TYP)

2 @ 4" SOLID YELLOW CENTER LINES @ 11" C-C (TYP)

8" WHITE LANE LINE SOLID (TYP)

12" WHITE CHEVRONS 20' C-C @ 45° (TYP)

WHITE LETTERS & SYMBOLS (TYP)

6" WHITE LINE (2' DASH - 6' SKIP) (TYP)

THERMOPLASTIC PAVEMENT MARKING
USED AT PARK DISTRICT ENTRANCE

PR ROW

24" WHITE STOP BAR (TYP)

MATCH LINE STA 766+50

MATCH LINE STA 764+00

MATCH LINE STA 174+00

MATCH LINE STA 189+00

IL RTE 53

WHITE LETTERS & SYMBOLS (TYP)

6" WHITE LANE LINE SOLID (TYP)

PROPOSED ℄ ILLINOIS RTE 56
WB PGL ILLINOIS RTE 56
EB PGL ILLINOIS RTE 56

6" WHITE LINE (2' DASH - 6' SKIP) (TYP)

6" YELLOW LINE SOLID

12" YELLOW CHEVRONS 7' C-C @ 35° (TYP)

DETECTABLE WARNING (TYP)

ILLINOIS ROUTE 56

175+00

180+00

185+00

6" WHITE LINE SOLID 6' C-C (TYP)

8" WHITE LINE SOLID (TYP)

6" WHITE LINE SOLID 10' C-C (TYP)

12" WHITE DIAGONALS 12' C-C @ 45° (TYP)

4" YELLOW SOLID MEDIAN EDGE LINE (TYP)

RAISED REFLECTIVE MARKERS 2-SIDED (WHITE-RED) 80' 0-C (TYP)

4" WHITE LINE (10' DASH - 30' SKIP) (TYP)

8" WHITE LANE LINE SOLID

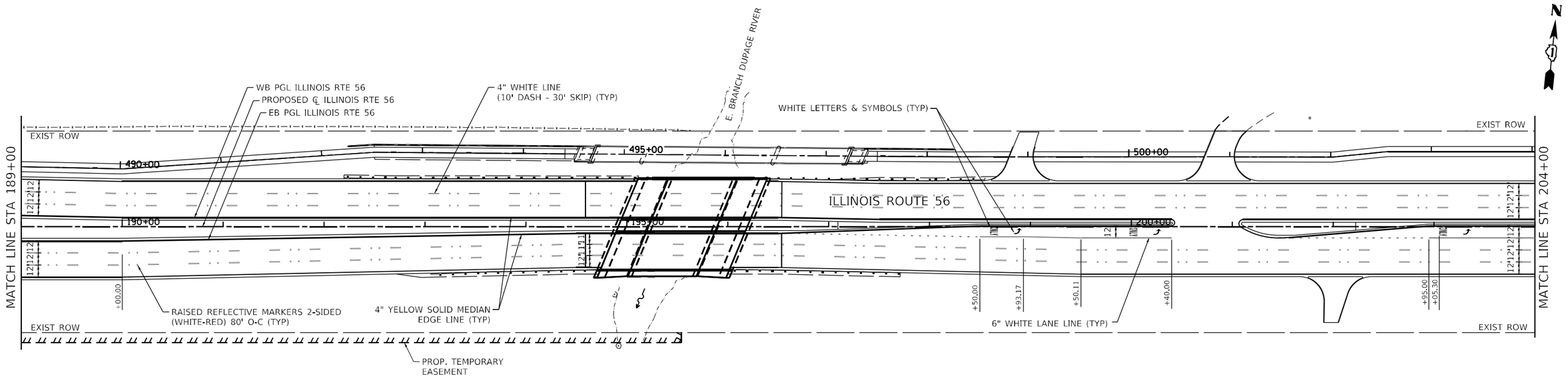
12" WHITE CHEVRONS 13' C-C @ 45° (TYP)

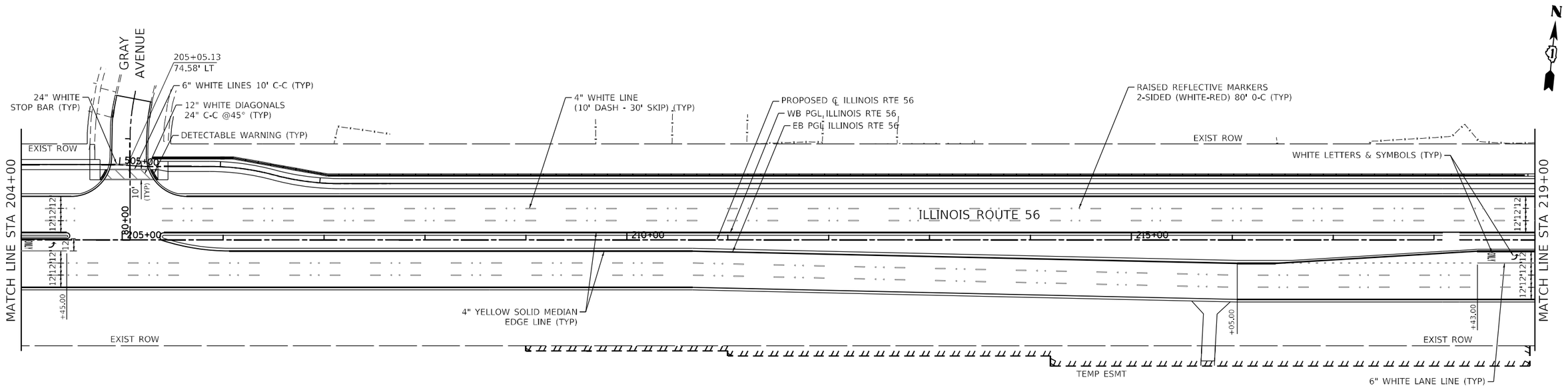
DETECTABLE WARNINGS

MODEL: PMK 1
FILE NAME: W:\191-13a_IDOT IL_53 at IL 56\CADD Sheets\D160P75_SHT_PVT MKG.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 PAVEMENT MARKING PLAN
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 159+60 TO STA. 189+00
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	224
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

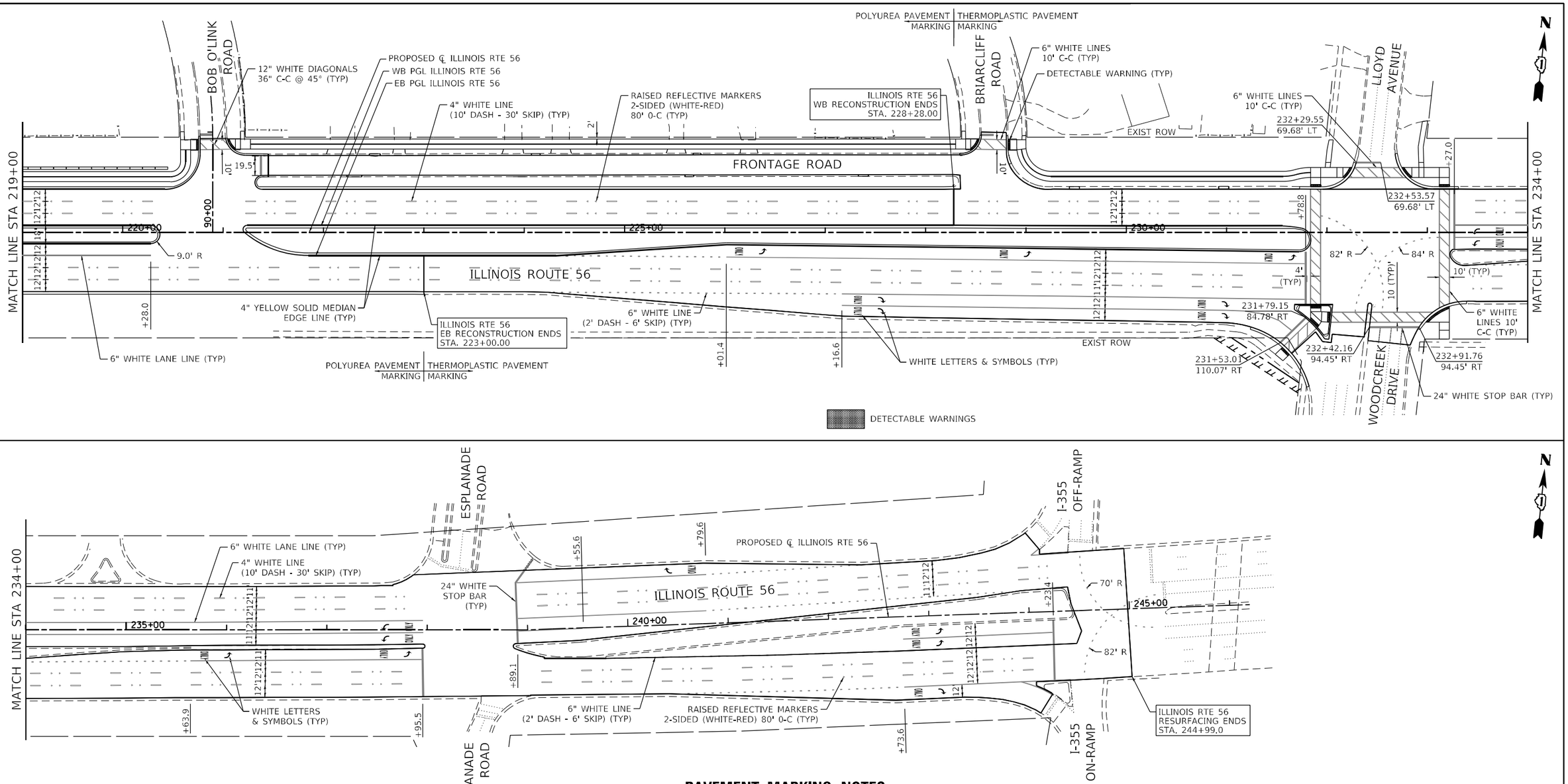




MODEL: PMK 2
FILE NAME: W:\191-134_IDOT IL_53 at IL 56\CADD Sheets\D160P75_SHT_PVT MKG.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**IL ROUTE 56 PAVEMENT MARKING PLAN**
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 189+00 TO STA. 219+00
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	225
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING NOTES

1. PAVEMENT MARKING AND RAISED REFLECTIVE MARKERS SHALL BE IN CONFORMANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, STANDARD DETAIL 780001, DISTRICT ONE STANDARDS, THE PLAN DETAILS AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
2. ALL FINAL PAVEMENT MARKING MATERIALS TO BE USED ON CONCRETE PAVEMENT SHALL BE POLYUREA EXCEPT WHERE NOTED IN THE PLANS.
3. ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF LARGE SIZE.
4. ALL 4" EDGE LINES SHALL TERMINATE WHEN THEY MEET BARRIER CURB EXCEPT WHERE OTHERWISE INDICATED IN THE PLANS.
5. RAISED REFLECTIVE MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2" TOWARDS TRAFFIC AND SPACED AT 40' ON CENTER (O.C.) EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
6. RAISED REFLECTIVE MARKERS USED WITH BROKEN (DASHED) LINES SHALL BE SPACED AT 80' ON CENTER (O.C.) IN THE GAP BETWEEN SEGMENTS.
7. STOP BARS SHALL BE PLACED 4' BEHIND CROSSWALK LINES AS SHOWN.
8. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKINGS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
9. THE RESIDENT ENGINEER SHALL CONTACT AREA TRAFFIC FIELD ENGINEER AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
10. STATION AND OFFSET MEASUREMENTS AS SHOWN ON THE PLANS FOR 24G WHITE STOP BARS ARE TAKEN AT THE ENDS OF THE MARKINGS ALONG THE LONGITUDINAL CENTERLINES.

MODEL: PMK 3
FILE NAME: W:\191-134_IDOT IL_53 at IL 56\CADD Sheets\D1860P75_SHT_PVT MKG.dgn

BLA, Inc.
ITASCA, ILLINOIS

USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

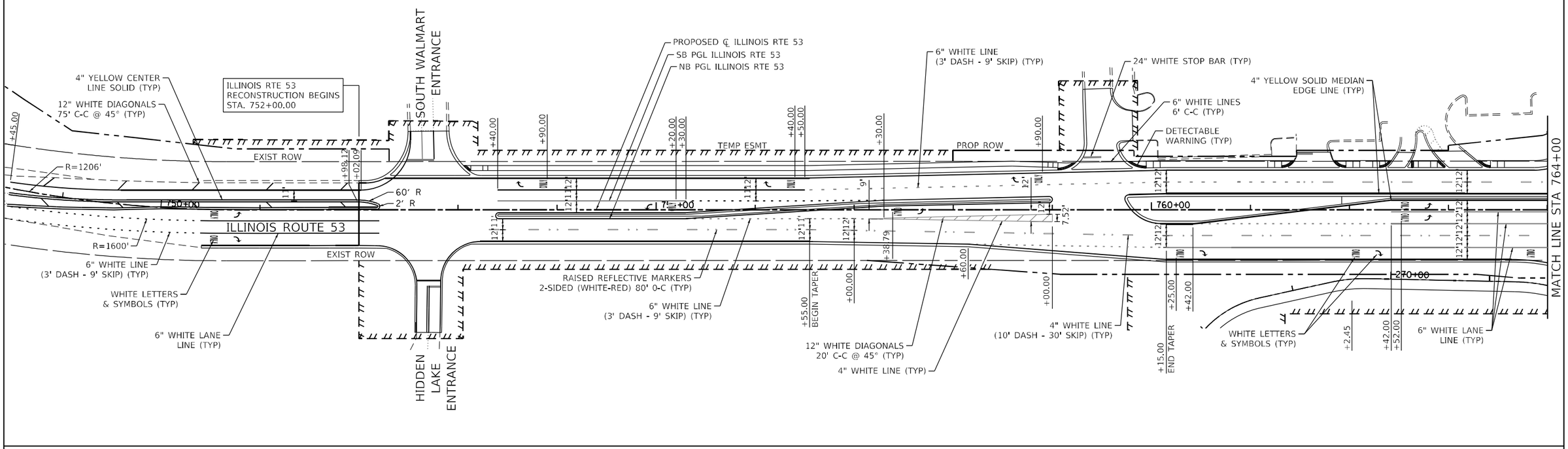
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
PAVEMENT MARKING PLAN

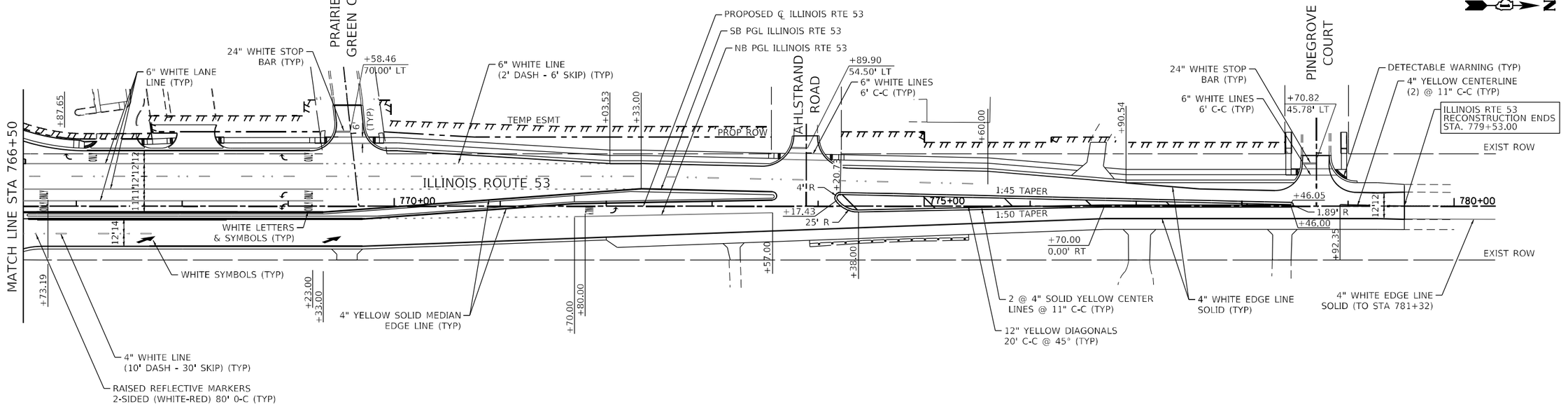
SCALE: 1"=50' | SHEET 3 OF 4 SHEETS | STA. 219+00 TO STA. 234+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	226
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

THERMOPLASTIC PAVEMENT MARKING | POLYUREA PAVEMENT MARKING (EXCLUDING HMA ENTRANCES)



POLYUREA PAVEMENT MARKING | THERMOPLASTIC PAVEMENT MARKING

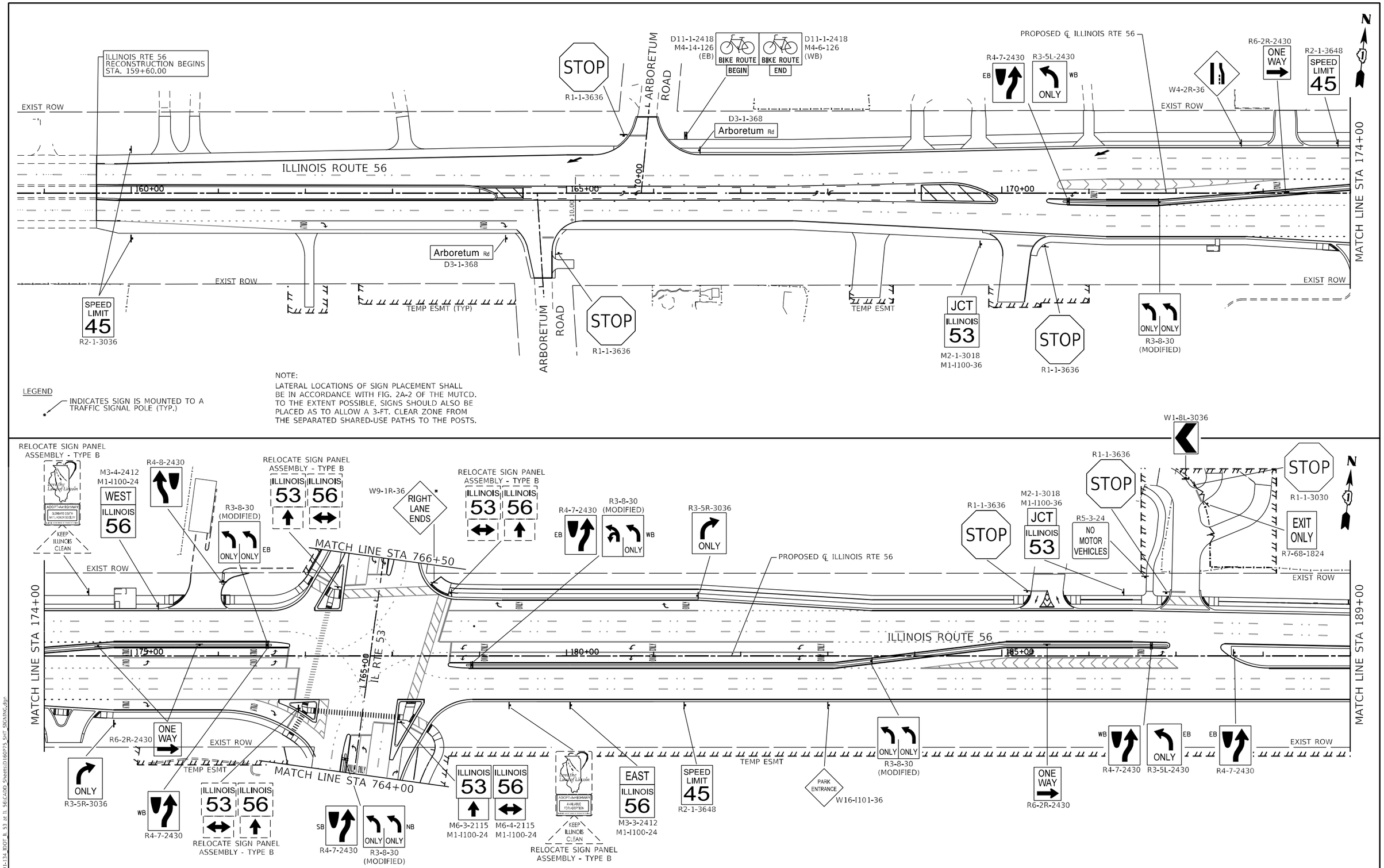


DETECTABLE WARNINGS

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 PAVEMENT MARKING PLAN
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 753+24 TO STA. 779+53
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	227
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

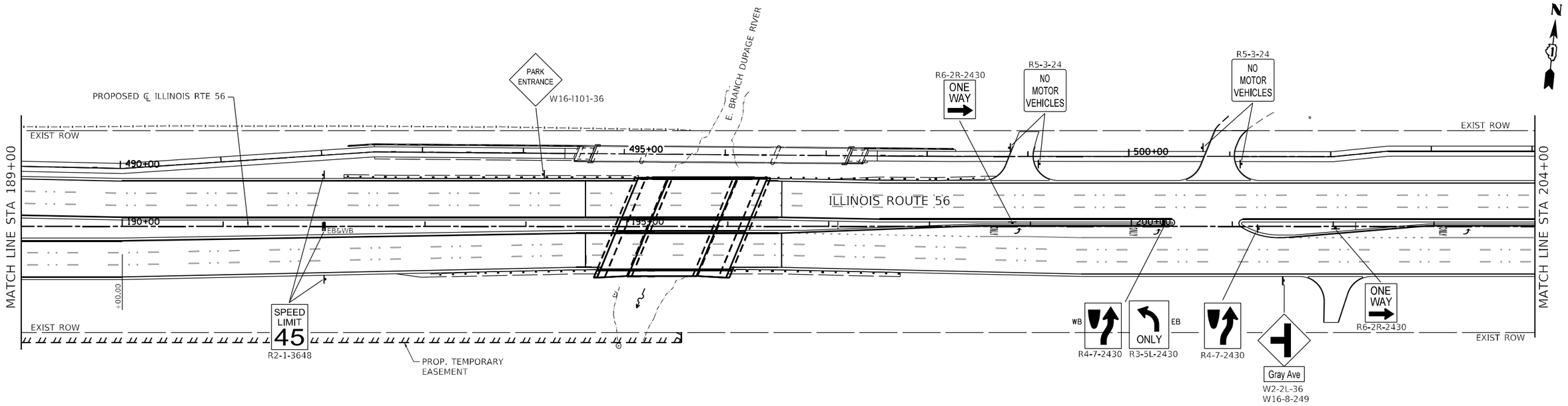
MODEL: PMK 4
FILE NAME: W:\191-134_IDOT IL_53 at IL 56\CADD Sheets\D1160P75_SHT_PVT MKG.dgn



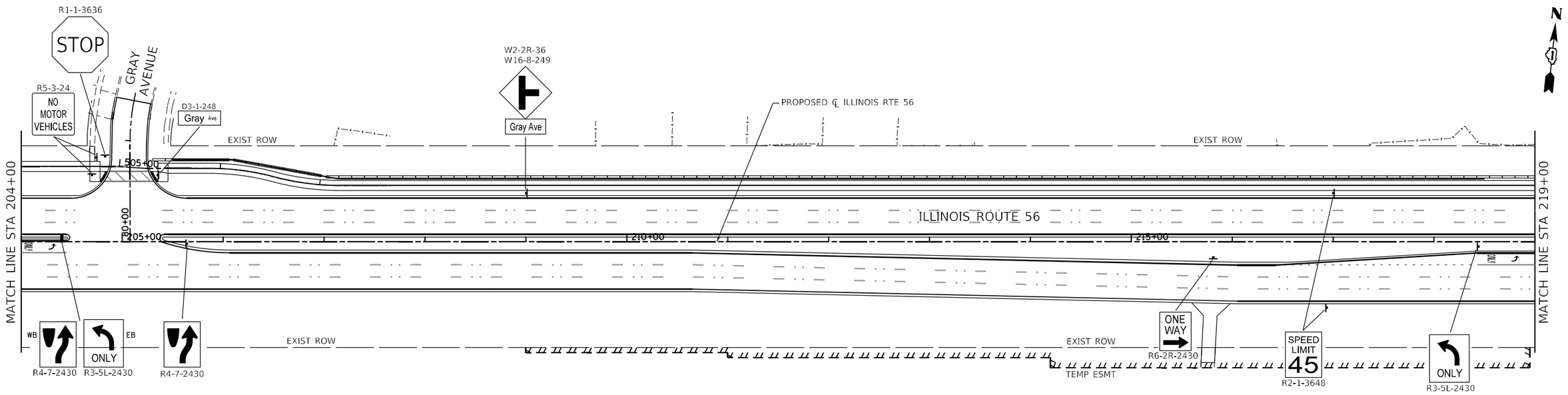
MODEL: SIGN 1
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD\Sheets\D160P75_SHT_SIGNING.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 SIGNING PLAN
		DRAWN - MTC	REVISED -		SCALE: 1"=50' | SHEET 1 OF 4 SHEETS | STA. 159+60 TO STA. 189+00
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -		
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	228
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



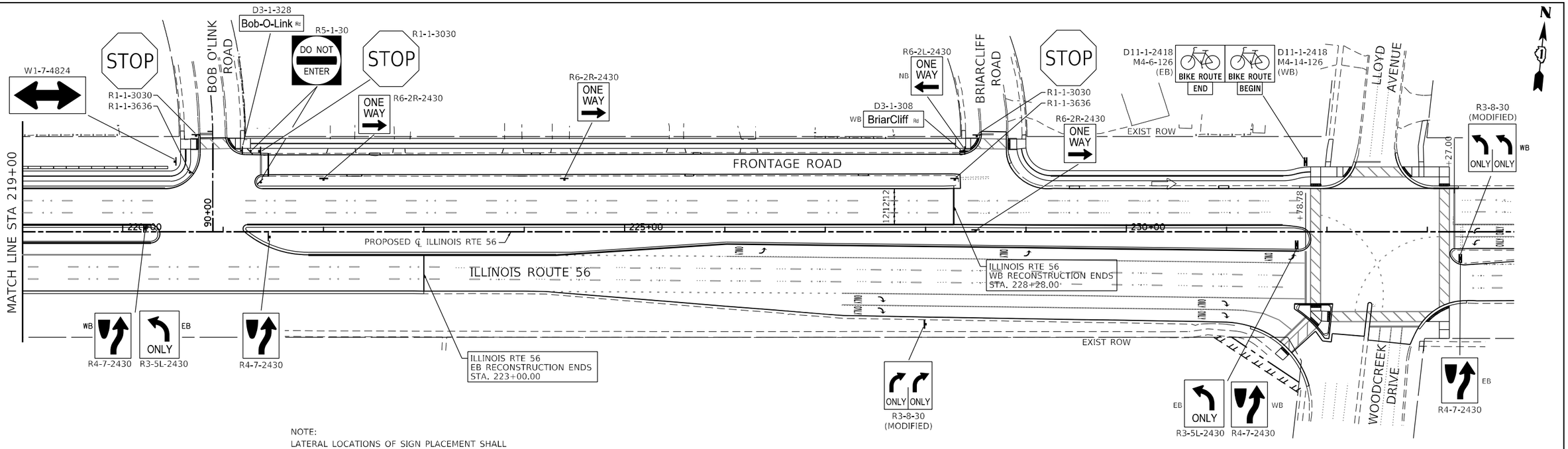
NOTE:
LATERAL LOCATIONS OF SIGN PLACEMENT SHALL BE IN ACCORDANCE WITH FIG. 2A-2 OF THE MUTCD. TO THE EXTENT POSSIBLE, SIGNS SHOULD ALSO BE PLACED AS TO ALLOW A 3-FT. CLEAR ZONE FROM THE SEPARATED SHARED-USE PATHS TO THE POSTS.



MODEL: SIGN 2
FILE NAME: W:\191-13a IDOT IL_53 at IL 56\CADD Sheets\D1660P75_Sht_SIGNING.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 56 SIGNING PLAN
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 189+00 TO STA. 219+00
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	229
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



NOTE:
LATERAL LOCATIONS OF SIGN PLACEMENT SHALL BE IN ACCORDANCE WITH FIG. 2A-2 OF THE MUTCD. TO THE EXTENT POSSIBLE, SIGNS SHOULD ALSO BE PLACED AS TO ALLOW A 3-FT. CLEAR ZONE FROM THE SEPARATED SHARED-USE PATHS TO THE POSTS.

MODEL: SIGN 3
FILE NAME: W:\191-134 IDOT IL_53 at IL 56\CADD Sheets\0160P75_Sht_SIGNING.dgn

BLA, Inc.
ITASCA, ILLINOIS

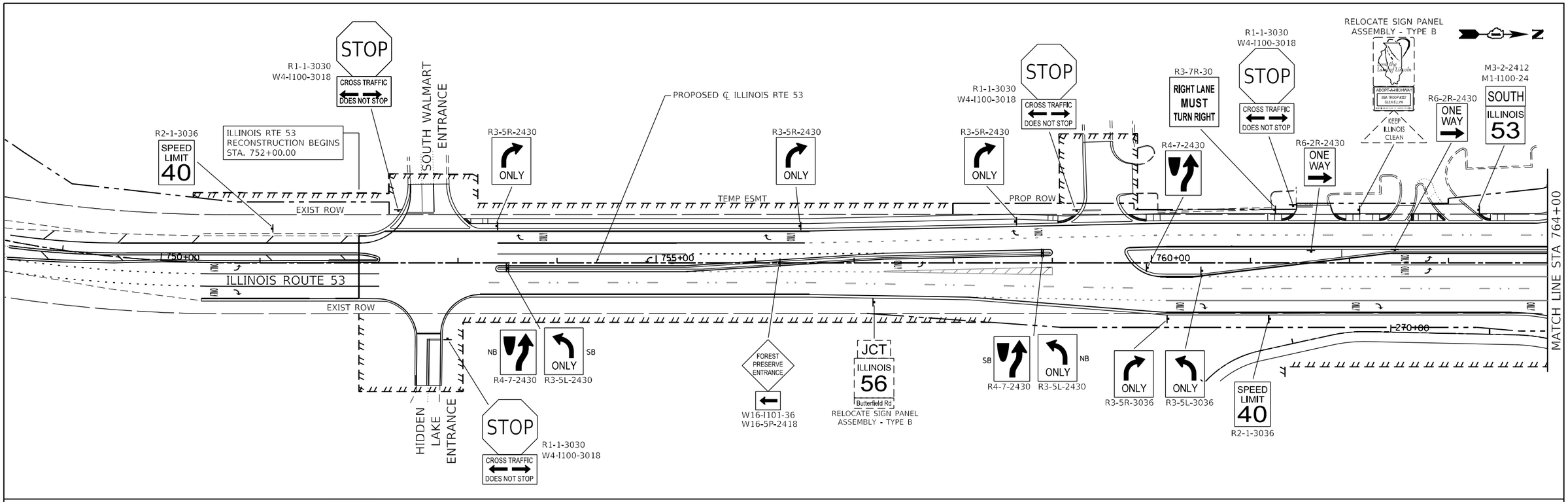
USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024		REVISED -

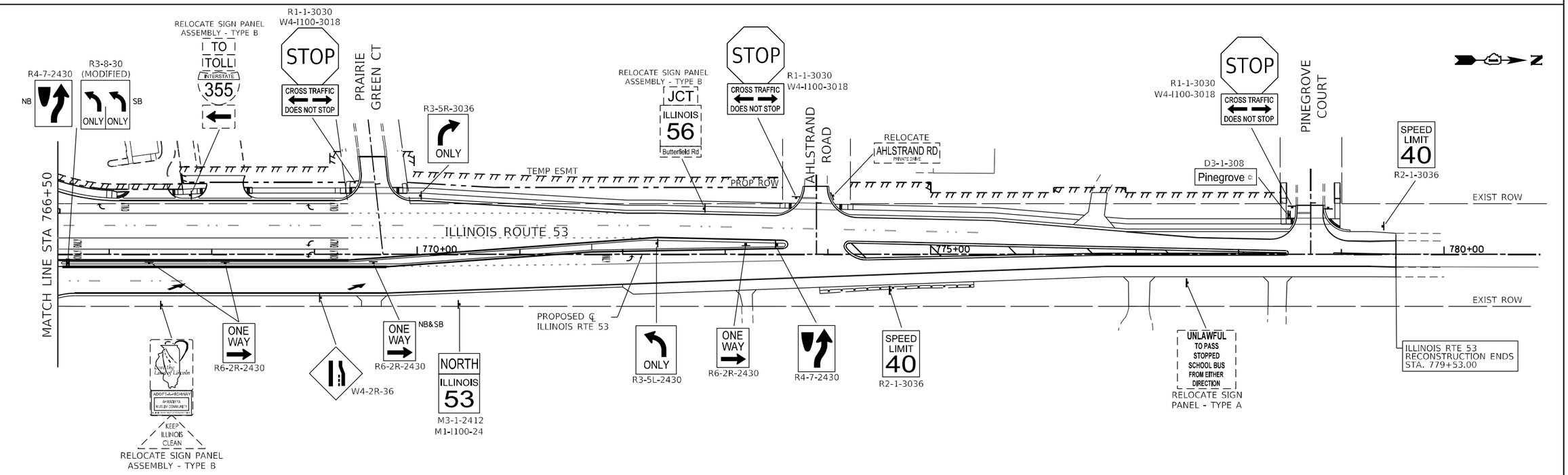
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56
SIGNING PLAN

SCALE: 1"=50' | SHEET 3 OF 4 SHEETS | STA. 219+00 | TO STA. 234+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	230
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

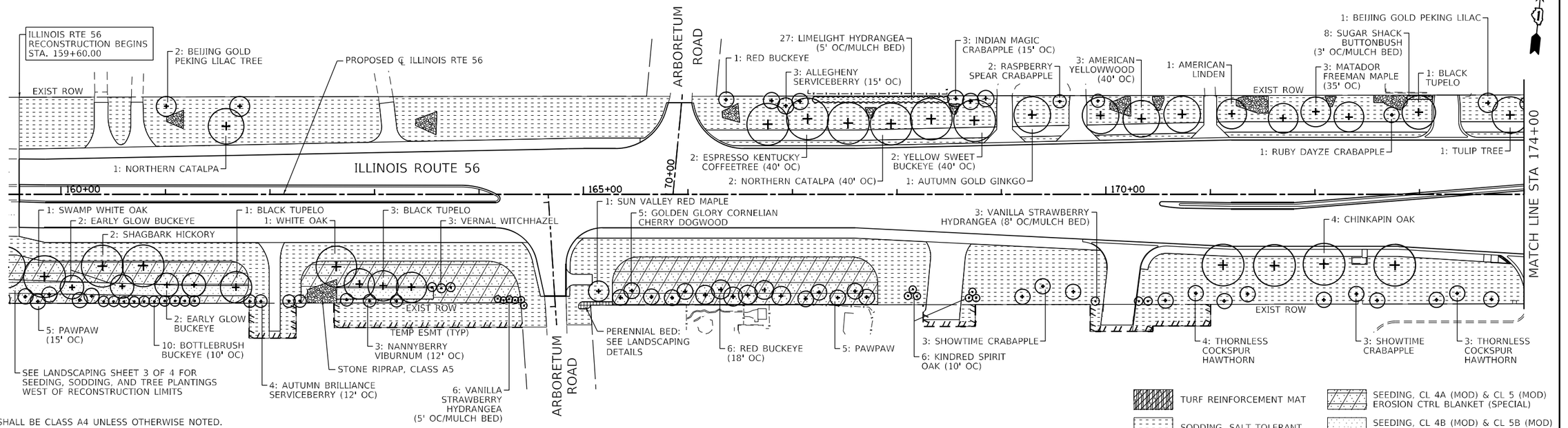




MODEL: SIGN 4
FILE NAME: W:\191-13a IDOT IL_53 at IL 56\CADD Sheets\D1660P75 Strt SIGNING.dgn

BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**IL ROUTE 56 SIGNING PLAN**
		DRAWN - MTC	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -		SCALE: 1"=50' | SHEET 4 OF 4 SHEETS | STA. 753+24 TO STA. 779+53
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	231
		CONTRACT NO. 60P75		
	ILLINOIS | FED. AID PROJECT			



NOTES:

STONE RIPRAP SHALL BE CLASS A4 UNLESS OTHERWISE NOTED.

SEE SCHEDULE FOR QUANTITIES FOR RIPRAP SCHEDULE.

PROVIDE 2 FT. WIDE TURF SHOULDER AT 4% GRADE ON BOTH SIDES OF SEPARATED SHARED-USE PATH.

STA. 158+00.0 TO STA. 189+00.00			
FERTILIZER TYPE & UNIT RATE	SEEDING CLASS: 1B	2A	TOTAL
NITROGEN (90 LB/AC)	0.00 AC	0.45 AC	41 LBS
POTASSIUM (90 LB/AC)	0.00 AC	0.45 AC	41 LBS

TURF REINFORCEMENT MAT

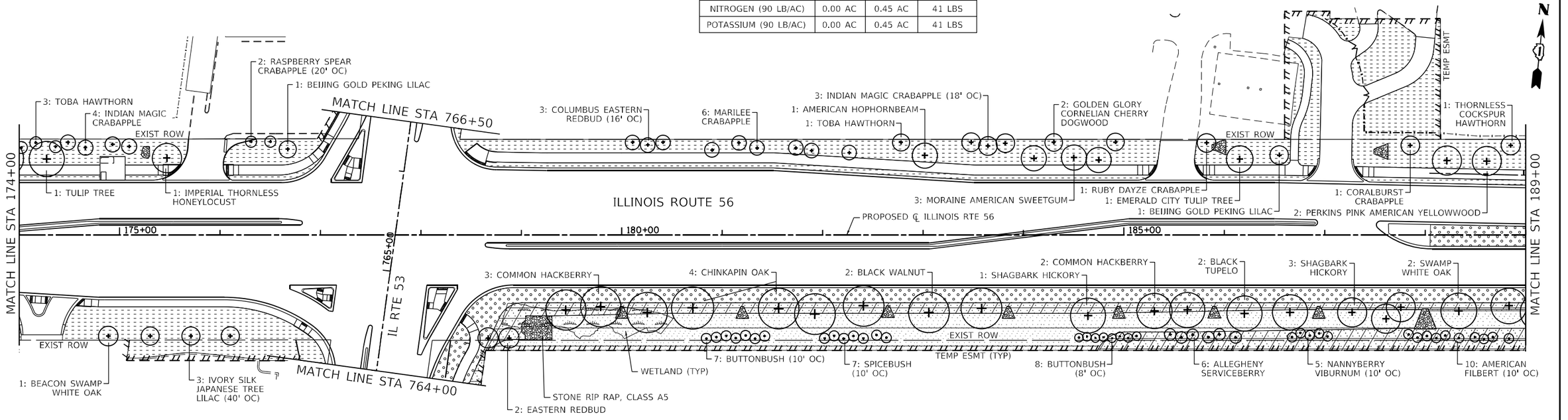
SODDING, SALT TOLERANT

SEEDING, CL 2A

SEEDING, CL 4A (MOD) & CL 5 (MOD) EROSION CTRL BLANKET (SPECIAL)

SEEDING, CL 4B (MOD) & CL 5B (MOD) HEAVY-DUTY EROS CTRL BLANKET (SPL)

STONE RIPRAP, CL A4 OR A5 WITH CL A2 BEDDING & FILTER FABRIC



BLA, Inc. ITASCA, ILLINOIS	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN - MTC	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -
	PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

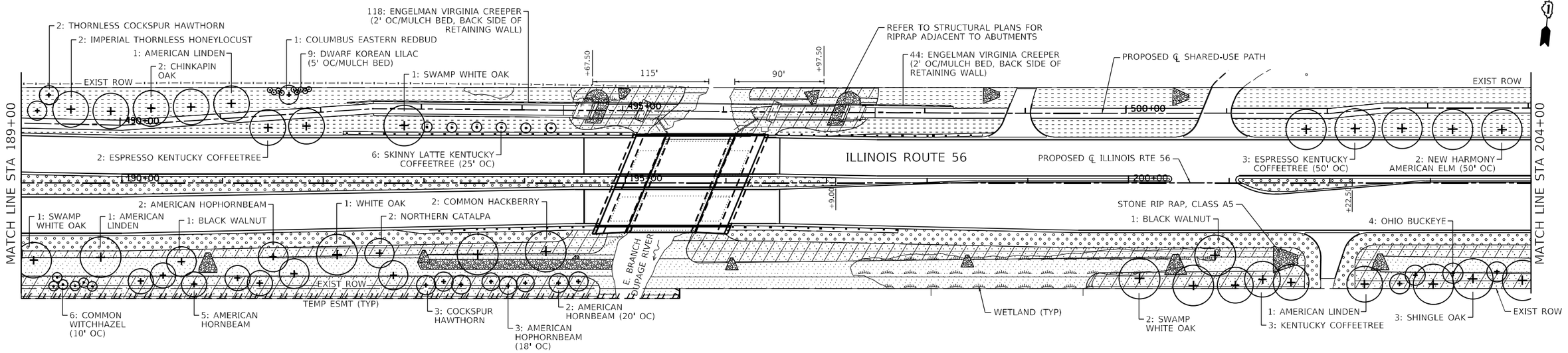
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 56
LANDSCAPING

SCALE: 1"=50' | SHEET 1 OF 5 SHEETS | STA. 159+60 TO STA. 189+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	232
		CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	

MODEL: LND 1
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD Sheets\D160P75_SHT_LANDSCAPE.dgn



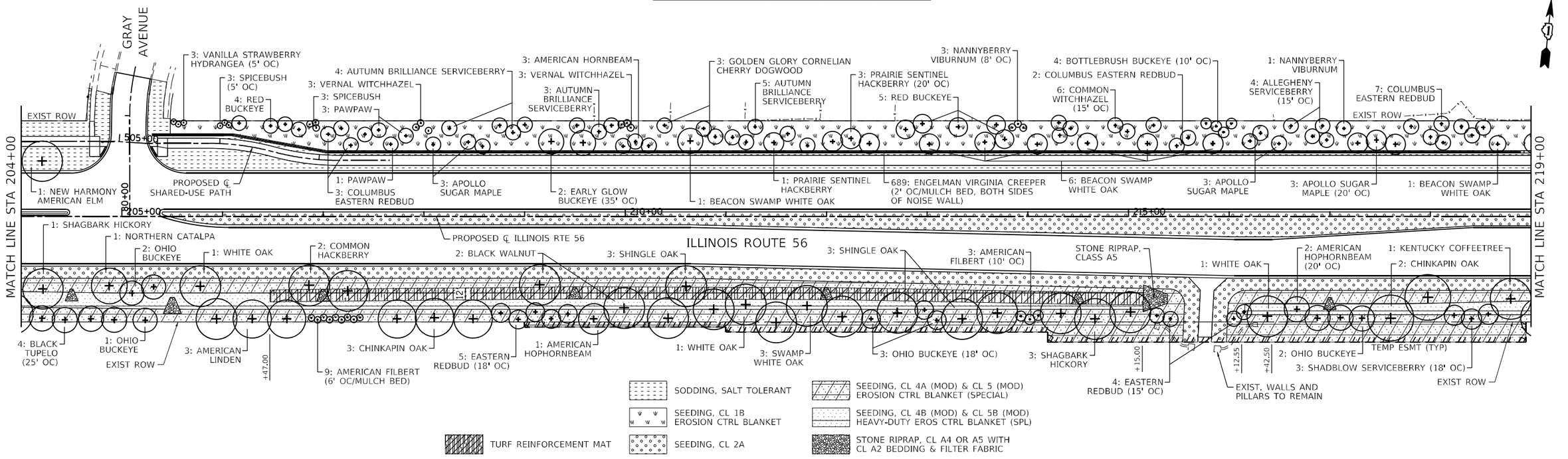
NOTES:

STONE RIPRAP SHALL BE CLASS A4 UNLESS OTHERWISE NOTED.

SEE SCHEDULE FOR QUANTITIES FOR RIPRAP SCHEDULE.

PROVIDE 2 FT. WIDE TURF SHOULDER AT 4% GRADE ON BOTH SIDES OF SEPARATED SHARED-USE PATH.

STA. 189+00.0 TO STA. 219+00.00			
FERTILIZER TYPE & UNIT RATE	SEEDING CLASS: 1B	2A	TOTAL
NITROGEN (90 LB/AC)	1.18 AC	1.64 AC	254 LBS
POTASSIUM (90 LB/AC)	1.18 AC	1.64 AC	254 LBS



MODEL: LND_2
FILE NAME: W:\191-134_IDOT_IL_53 at IL_56\CADD Sheets\D1160P75_SHT_LANDSCAPE.dgn

BLA, Inc.
ITASCA, ILLINOIS

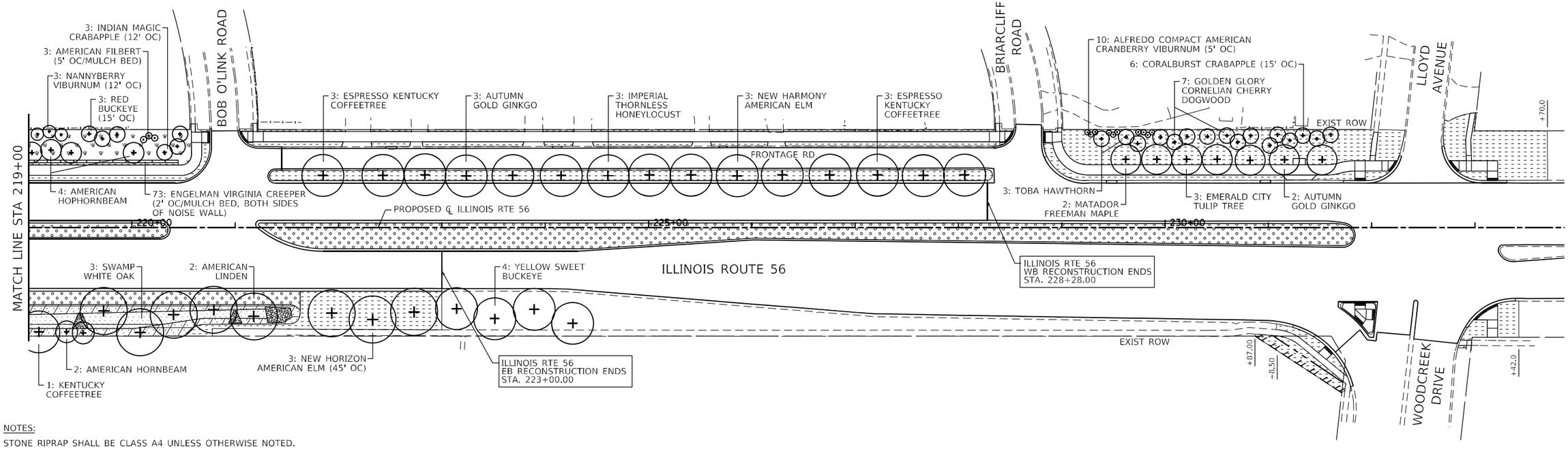
USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 56
LANDSCAPING

SCALE: 1"=50' | SHEET 2 OF 5 SHEETS | STA. 189+00 | TO STA. 219+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	233
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



NOTES:

STONE RIPRAP SHALL BE CLASS A4 UNLESS OTHERWISE NOTED.

SEE SCHEDULE FOR QUANTITIES FOR RIPRAP SCHEDULE.

PROVIDE 2 FT. WIDE TURF SHOULDER AT 4% GRADE ON BOTH SIDES OF SEPARATED SHARED-USE PATH.

STA. 219+00.00 TO STA. 234+00.00			
FERTILIZER TYPE & UNIT RATE	SEEDING CLASS: 1B	2A	TOTAL
NITROGEN (90 LB/AC)	0.11 AC	0.61 AC	64 LBS
POTASSIUM (90 LB/AC)	0.11 AC	0.61 AC	64 LBS

SODDING, SALT TOLERANT

SEEDING, CL 1B EROSION CTRL BLANKET

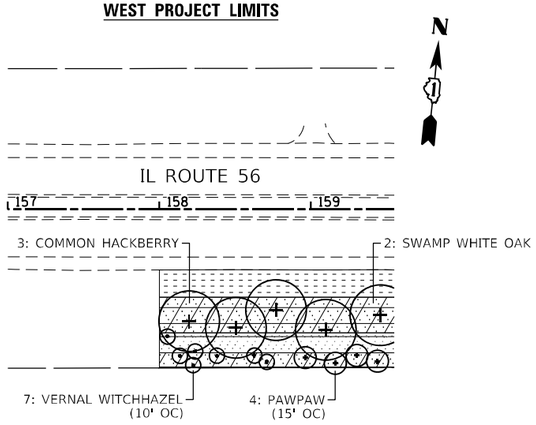
SEEDING, CL 2A

SEEDING, CL 4A (MOD) & CL 5 (MOD) EROSION CTRL BLANKET (SPECIAL)

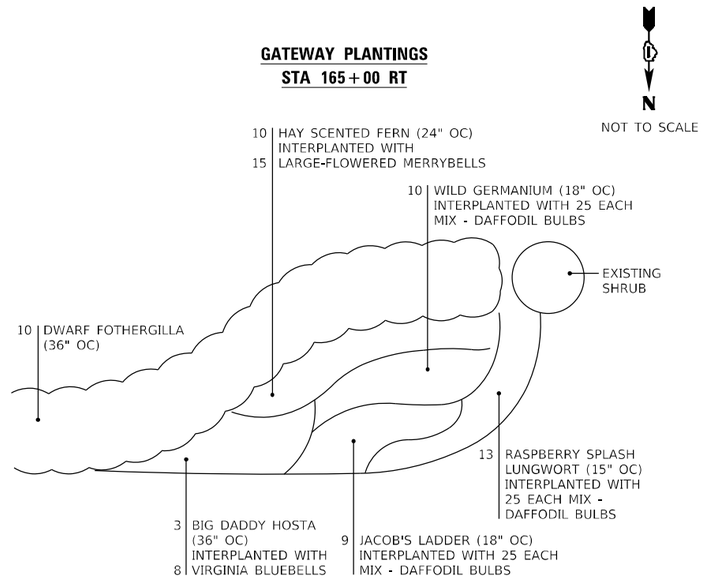
SEEDING, CL 4B (MOD) & CL 5B (MOD) HEAVY-DUTY EROS CTRL BLANKET (SPL)

STONE RIPRAP, CL A4 OR A5 WITH CL A2 BEDDING & FILTER FABRIC

TREE PLANTINGS AT WEST PROJECT LIMITS



GATEWAY PLANTINGS STA 165+00 RT



LANDSCAPING NOTES

1. CONTRACTOR SHALL HAVE THE PLANT / VEGETATION LAYOUT VERIFIED BY THE ROADSIDE DEVELOPMENT UNIT. CONTACT FABIOLA QUIROZ AT (847) 705-4596 AT LEAST 48 HOURS PRIOR TO PLANTING.
2. COMPOST FURNISH AND PLACE 2 INCH SHALL BE PLACED AT SPECIFIED LOCATIONS WHERE PERENNIALS WILL BE INSTALLED.
3. TOPSOIL PLACEMENT DEPTH SHALL BE 8 IN. WITHIN THE RIGHT-OF-WAY, WITH THE FOLLOWING EXCEPTIONS: AT LOCATIONS OF VINE PLANTINGS ON BOTH SIDES OF PROP. NOISE WALL, 12 IN. TOPSOIL SHALL BE PLACED, AND AT LOCATIONS OF PROP. LANDSCAPED MEDIANS AND PERMANENTLY REMOVED DRIVEWAYS, 30 IN. TOPSOIL SHALL BE PLACED.
4. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING (25200200) SHALL BE APPLIED TO ALL SODDED AND SEEDED AREAS AT THE RATE SPECIFIED BY THE ENGINEER.

MODEL: LND 3
FILE NAME: W:\191-134 IDOT IL_53 at IL 56\CADD Sheets\D1860P75_SHT_LANDSCAPE.dgn

BLA, Inc.
ITASCA, ILLINOIS

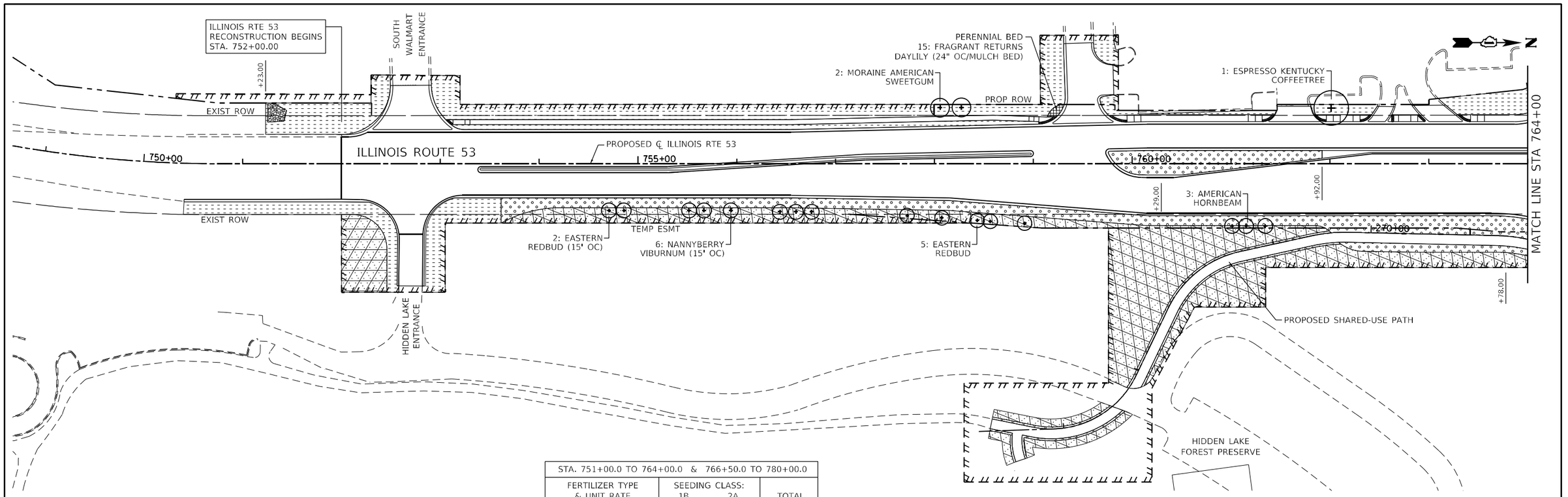
USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

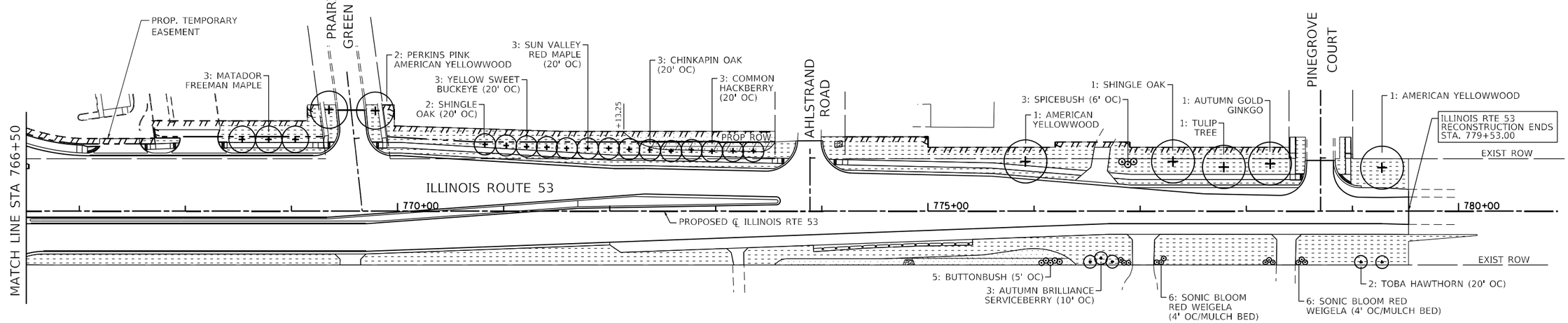
ILLINOIS ROUTE 56
LANDSCAPING

SCALE: 1"=50' | SHEET 3 OF 5 SHEETS | STA. 219+00 TO STA. 234+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	234
		CONTRACT NO. 60P75		
		ILLINOIS FED. AID PROJECT		



STA. 751+00.0 TO 764+00.0 & 766+50.0 TO 780+00.0			
FERTILIZER TYPE & UNIT RATE	SEEDING CLASS: 1B	2A	TOTAL
NITROGEN (90 LB/AC)	0.00 AC	0.41 AC	37 LBS
POTASSIUM (90 LB/AC)	0.00 AC	0.41 AC	37 LBS



NOTES:

STONE RIPRAP SHALL BE CLASS A4 UNLESS OTHERWISE NOTED.

SEE SCHEDULE FOR QUANTITIES FOR RIPRAP SCHEDULE.

PROVIDE 2 FT. WIDE TURF SHOULDER AT 4% GRADE ON BOTH SIDES OF SEPARATED SHARED-USE PATH.

- TURF REINFORCEMENT MAT
- SODDING, SALT TOLERANT
- SEEDING, CL 2A
- SEEDING, CL 4A (MOD) & CL 5 (MOD) EROSION CTRL BLANKET (SPECIAL)
- SEEDING, CL 4B (MOD) & CL 5B (MOD) HEAVY-DUTY EROS CTRL BLANKET (SPL)
- STONE RIPRAP, CL A4 OR A5 WITH CL A2 BEDDING & FILTER FABRIC

MODEL: LND 4
FILE NAME: W:\191-134 IDOT IL 53 at IL 56\CADD\Sheets\D160P75_SHT_LANDSCAPE.dgn

BLA, Inc.
ITASCA, ILLINOIS

USER NAME = $USER$	DESIGNED -		REVISED -
	DRAWN - MTC		REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO		REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 53
LANDSCAPING

SCALE: 1"=50' | SHEET 4 OF 5 SHEETS | STA. 753+38 TO STA. 779+53

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	235
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

LANDSCAPE SCHEDULE

SCIENTIFIC NAME	COMMON NAME	SIZE	TOTAL	PLAN SHEET			
				228	229	230	231
SHADE TREES							
ACER RUBRUM 'SUN VALLEY'	SUN VALLEY RED MAPLE	2" CAL / B&B	4	1			3
ACER SACCHARUM 'BARRETT COLE'	APOLLO SUGAR MAPLE	2" CAL / B&B	9		9		
ACER X FREEMANII 'BAILSTON'	MATADOR FREEMAN MAPLE	2-1/2" CAL / B&B	8	3		2	3
AESCULUS FLAVA	YELLOW SWEET BUCKEYE	2" CAL / B&B	9	2		4	3
AESCULUS GLABRA	OHIO BUCKEYE	2" CAL / B&B	12		12		
AESCULUS GLABRA 'J.N. SELECT'	EARLY GLOW BUCKEYE	2" CAL / B&B	6	4	2		
CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2" CAL / B&B	15		10	2	3
CARYA OVATA	SHAGBARK HICKORY	2" CAL / B&B	10	6	4		
CATALPA SPECIOSA	NORTHERN CATALPA	2" CAL / B&B	6	3	3		
CELTIS OCCIDENTALIS	COMMON HACKBERRY	2" CAL / B&B	15	5	4	3	3
CELTIS OCCIDENTALIS 'JFS-KSU1'	PRAIRIE SENTINEL COMMON HACKBERRY	2" CAL / B&B	4		4		
CLADRASTIS KENTUCKEA	AMERICAN YELLOWWOOD	2" CAL / B&B	5	3			2
CLADRASTIS KENTUCKEA 'PERKINS PINK'	PERKINS PINK AMERICAN YELLOWWOOD	2" CAL / B&B	4	2			2
GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	2" CAL / B&B	7	1		5	1
GLEDITSIA TRIACANTHOS INERMIS VAR. IMPCOLE	IMPERIAL THORNLESS HONEYLOCUST	2" CAL / B&B	6	1	2	3	
GYMNOCLAUS DIOICUS	KENTUCKY COFFEETREE	2-1/2" CAL / B&B	5		4	1	
GYMNOCLAUS DIOICUS 'ESPRESSO'	ESPRESSO KENTUCKY COFFEETREE	2-1/2" CAL / B&B	14	2	5	6	1
GYMNOCLAUS DIOICUS 'MORTON'	SKINNY LATTE KENTUCKY COFFEETREE	2-1/2" CAL / B&B	6		6		
JUGLANS NIGRA	BLACK WALNUT	2" CAL / B&B	6	2	4		
LIQUIDAMBAR STYRACIFLUA 'MORAINE'	MORAINE AMERICAN SWEETGUM	2" CAL / B&B	5	3			2
LIRIODENDRON TULIPIFERA	TULIP TREE	2" CAL / B&B	3	2			1
LIRIODENDRON TULIPIFERA 'JFS-OZ'	EMERALD CITY TULIP TREE	2" CAL / B&B	4	1		3	
NYSSA SYLVATICA	BLACK TUPELO	2" CAL / B&B	10	6	4		
OSTRAYA VIRGINIANA	AMERICAN HOPHORNBEAM	2" CAL / B&B	13	1	8	4	
QUERCUS ALBA	WHITE OAK	2" CAL / B&B	5	1	4		
QUERCUS BICOLOR	SWAMP WHITE OAK	2" CAL / B&B	15	3	7	5	
QUERCUS BICOLOR 'BONNIE AND MIKE'	BEACON SWAMP WHITE OAK	2" CAL / B&B	9	1	8		
QUERCUS IMBRICARIA	SHINGLE OAK	2" CAL / B&B	12		9		3
QUERCUS MUEHLENBERGII	CHINKAPIN OAK	2" CAL / B&B	18	8	7		3
QUERCUS ROBUR X BICOLOR 'NADLER'	KINDRED SPIRIT OAK	2" CAL / B&B	6	6			
TILIA AMERICANA	AMERICAN LINDEN	2" CAL / B&B	9	1	6	2	
ULMUS AMERICANA 'NEW HARMONY'	NEW HARMONY AMERICAN ELM	2" CAL / B&B	9		3	6	
INTERMEDIATE TREES							
AESCULUS PAVIA	RED BUCKEYE	4' HT / B&B	19	7	9	3	
AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	5' HT / B&B	3		3		
AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE	AUTUMN BRILLIANCE SERVICEBERRY	6' HT / B&B	19	4	12		3
AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	5' HT / B&B	13	9	4		
ASIMA TRILOBA	PAWPAW	1-3/4" CAL / B&B	18	10	4	4	0
CERCIS CANADENSIS	EASTERN REDBUD	6' HT / B&B	18	2	9		7
CERCIS CANADENSIS ' COLUMBUS'	COLUMBUS EASTERN REDBUD	2" CAL / B&B	16	3	13		
CORNUS MAS 'GOLDEN GLORY'	GOLDEN GLORY CORNELIAN CHERRY DOGWOOD	5' HT / B&B	17	7	3	7	
CRATAEGUS CRUSGALLI	COCKSPUR HAWTHORN	5' HT / B&B	3		3		
CRATAEGUS CRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN	2" CAL / B&B	10	8	2		
CRATAEGUS X MORDENENSIS 'TOBA'	TOBA HAWTHORN	2" CAL / B&B	9	4		3	2
MALUS 'CORALBURST'	CORALBURST CRABPPLE	2" CAL / B&B	7	1		6	
MALUS 'INDIAN MAGIC'	INDIAN MAGIC CRABAPPLE	2" CAL / B&B	10	10			
MALUS 'JARMIN'	MARILEE CRABAPPLE	2" CAL / B&B	6	6			
MALUS 'JFS KW139MX'	RUBY DAYZE CRABAPPLE	2" CAL / B&B	2	2			
MALUS 'JFS KW213MX'	RASPBERRY SPEAR CRABAPPLE	2" CAL / B&B	4	4			
MALUS 'SHOTIZAM'	SHOWTIME CRABAPPLE	2" CAL / B&B	6	6			
SYRINGA PEKINENSIS 'ZHANG ZNIMING'	BEIJING GOLD PEKING LILAC TREE	2" CAL / B&B	5	5			
SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2" CAL / B&B	3	3			

LANDSCAPE SCHEDULE

SCIENTIFIC NAME	COMMON NAME	SIZE	TOTAL	PLAN SHEET			
				228	229	230	231
SHRUBS							
AESCULUS PARVIFLORA	BOTTLEBRUSH BUCKEYE	#5 / CONT	14	10	4		
CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	#5 / CONT	20	15			5
CEPHALANTHUS OCCIDENTALIS 'SMCOSS'	SUGAR SHACK BUTTONBUSH	#3 / CONT	8	8			
CORYLUS AMERICANA	AMERICAN FILBERT	4' HT / B&B	25	10	12	3	
FOTHERGILLA GARDENII	DWARF FOTHERGILLA	2' HT / B&B	10			10	
HAMAMELIS VERNALIS	VERNAL WITCHHAZEL	4' HT / B&B	16	3	6	7	
HAMAMELIS VIRGINANA	COMMON WITCHHAZEL	5' HT / B&B	12		12		
HYDRANGEA PANICULATA 'LIMELIGHT'	LIMELIGHT HYDRANGEA	4' HT / B&B	27	27			
HYDRANGEA PANICULATA 'RENHY'	VANILLA STRAWBERRY HYDRANGEA	#5 / CONT	12	9	3		
LINDERA BENZOIN	SPICEBUSH	#5 / CONT	16	7	6		3
SYRINGA MEYERI 'PALIBIN'	DWARF KOREAN LILAC	2-1/2' HT/ B&B	9		9		
VIBURNUM LENTAGO	NANNYBERRY VIBURNUM	4' HT / B&B	21	8	4	3	6
VIBURNUM TRILOBUM 'ALFREDO'	ALFREDO COMPACT AMERICAN CRANBERRY VIBURNUM	#5 / CONT	10			10	
WEIGELA FLORIDA 'VERWEIG 6'	SONIC BLOOM RED BLOOMING WEIGELA	#3 / CONT	12				12
VINES							
PARTHENOCISSUS QUINQUEFOLIA 'ENGELMANII'	ENGELMANNII VIRGINIA CREEPER	1 GALLON	924		851	73	
PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT							
DENNSTAEDTIA PUNCTILOBULA	HAY SCENTED FERN	1 GALLON	10			10	
GERANIUM MACULATUM	WILD GERANIUM		10			10	
HEMEROCALLIS 'FRAGRANT RETURNS'	FRAGRANT RETURNS DAYLILIES		15				15
HOSTA 'BIG DADDY'	BIG DADDY HOSTA		3			3	
MERTENSIA VIRGINICA	VIRGINIA BLUEBELLS		8			8	
POLEMONIUM REPTANS	JACOB'S LADDER		9			9	
PULMONARIA 'RASPBERRY SPLASH'	RASPBERRY SPLASH LUNGWORT		15			15	
UVULARIA GRANDIFLORA	LARGE-FLOWERED MERRYBELLS		15			15	
		TOTAL UNITS	0.85				
PERENNIAL PLANTS, BULB TYPE							
NARCISSUS 'JETFIRE'	JETFIRE DAFFODIL	TOP SIZE	75			75	
NARCISSUS 'PIPIT'	PIPIT DAFFODIL		75			75	
NARCISSUS 'PROTOTYPE'	PROTOTYPE DAFFODIL		75			75	
NARCISSUS 'RAPTURE'	RAPTURE DAFFODIL		75			75	
NARCISSUS 'SAILBOAT'	SAILBOAT DAFFODIL		75			75	
NARCISSUS 'TETE A TETE'	TETE A TETE DAFFODIL		75			75	
		TOTAL UNITS	4.5				

MODEL: LND Schedule
FILE NAME: W:\191-134_IDOT_IL_53_at_IL_56\CADD Sheets\D160P75_SHT_LANDSCAPE.dgn

BLA, Inc.
ITASCA, ILLINOIS

USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN - MTC	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JPO	REVISED -
PLOT DATE = 2/1/2024	DATE - 01/18/2024	REVISED -

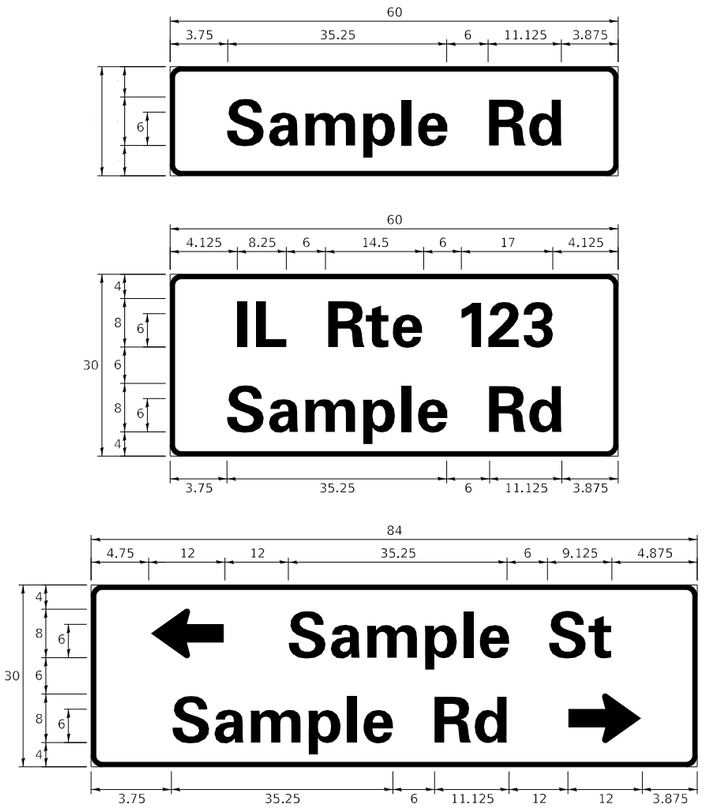
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 53
LANDSCAPING

SCALE: | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	236
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2



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

.

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

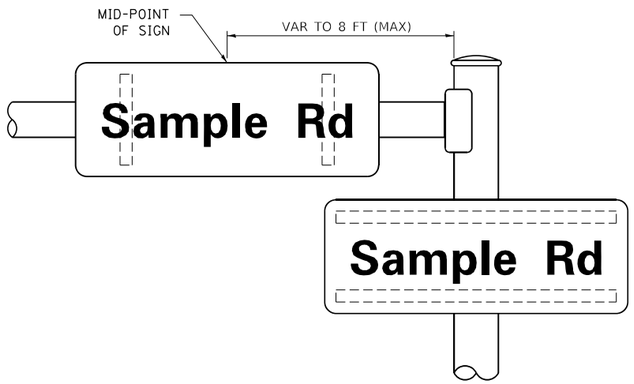
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

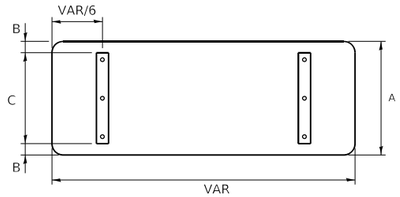
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

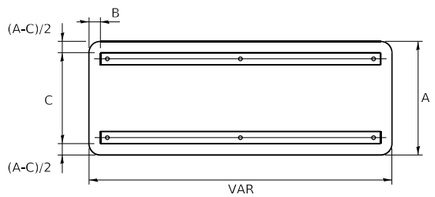
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 1

MODEL: Default
FILE NAME: pw:\\LOB4EBIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist15d22x34\CADData\CADSheets\ts02.dgn

USER NAME = footemj	DESIGNED - LP/IP	REVISED - LP 07/01/2015	
	DRAWN - LP	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - IP	REVISED -	
PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	237
	TS-02	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

ts02.dgn 3/4/2019 11:09:17 AM User=footemj

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	R	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◄Y ◄G (P)	R Y G ◄Y ◄G (P)
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◄Y ◄G (P) (RB)	R Y G ◄Y ◄G (P) (RB)
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

TS SHT NO. 2

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG:illinois-gpw:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1Std22x34\CADData\CADsheets\ts05.dgn

USER NAME = footemj	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	238
	TS-05	CONTRACT NO. 60P75		
		ILLINOIS FED. AID PROJECT		

ts05.dgn 3/4/2019 11:21:59 AM User=footemj

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

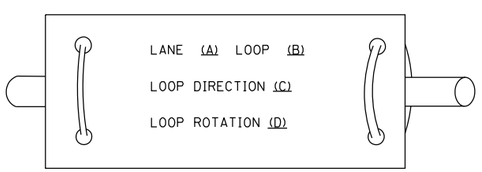
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

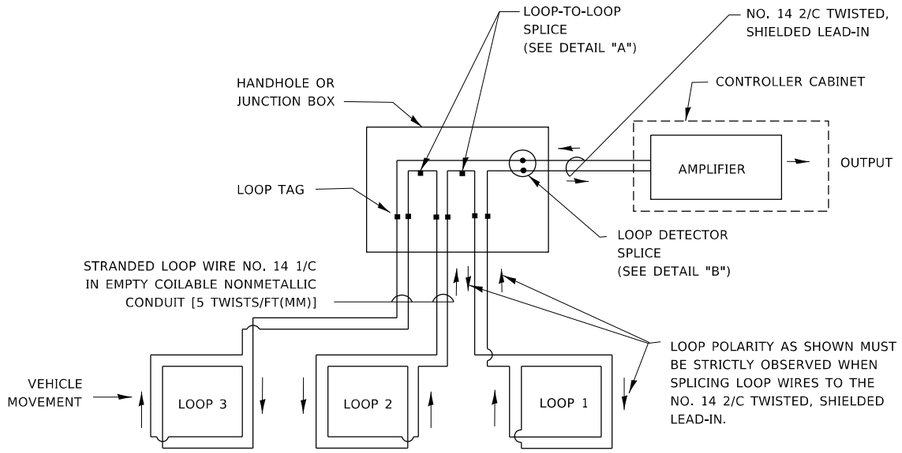


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

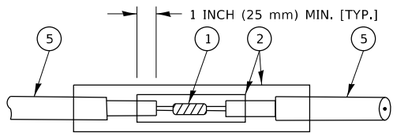
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

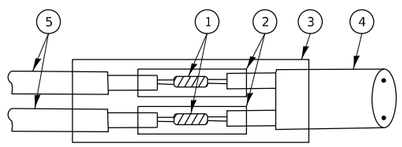


DETECTOR LOOP WIRING SCHEMATIC

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

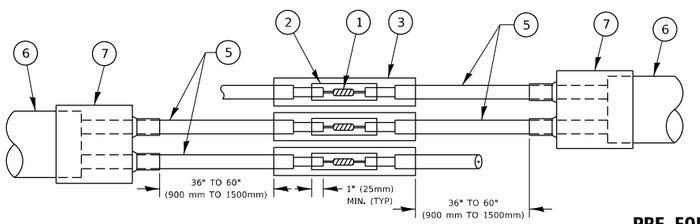


DETAIL "A"
LOOP-TO-LOOP SPLICE



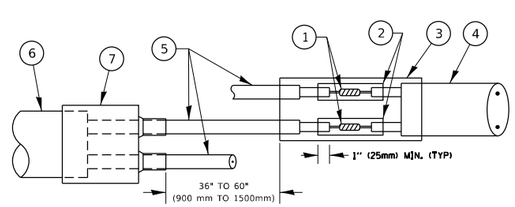
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 3

MODEL: Default
FILE NAME: pw:\\IL08-EBDJNTEG:Illinois.gpw:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5\d22x3at\CADData\CADSheets\ts05.dgn

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

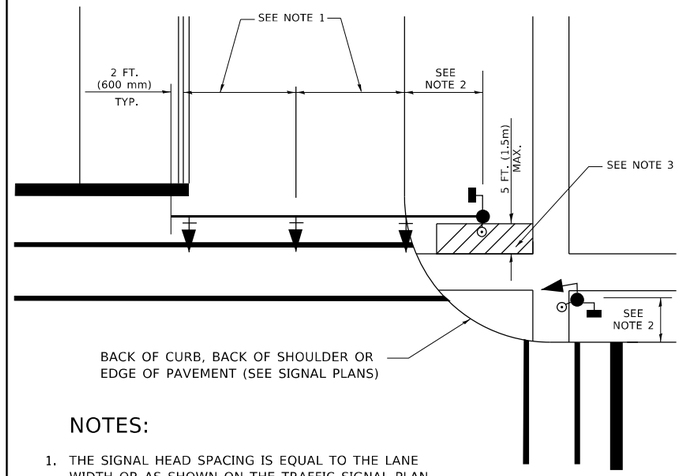
SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	239
	TS-05	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

ts05.dgn 3/4/2019 11:22:18 AM User=footemj

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

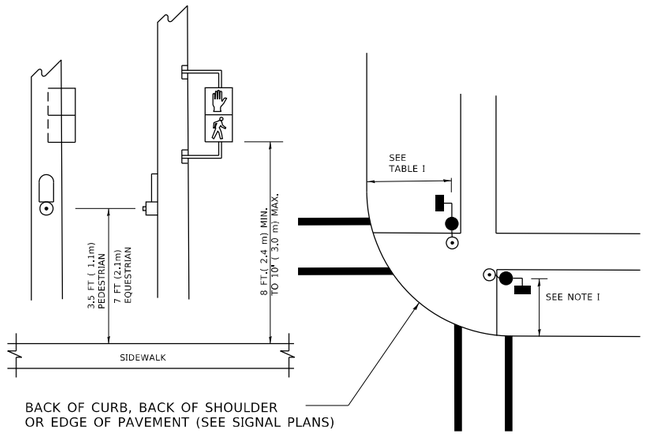
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

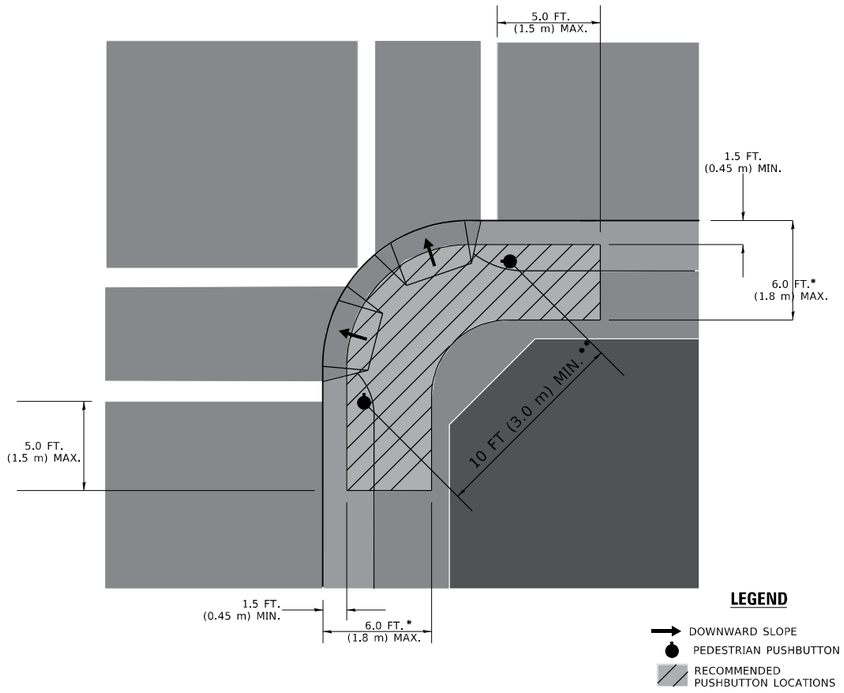
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 4

MODEL: Default
FILE NAME: pw:\\U084EB8DINTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1Std22x34\CAD\Data\CAD\sheets\ts05.dgn

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

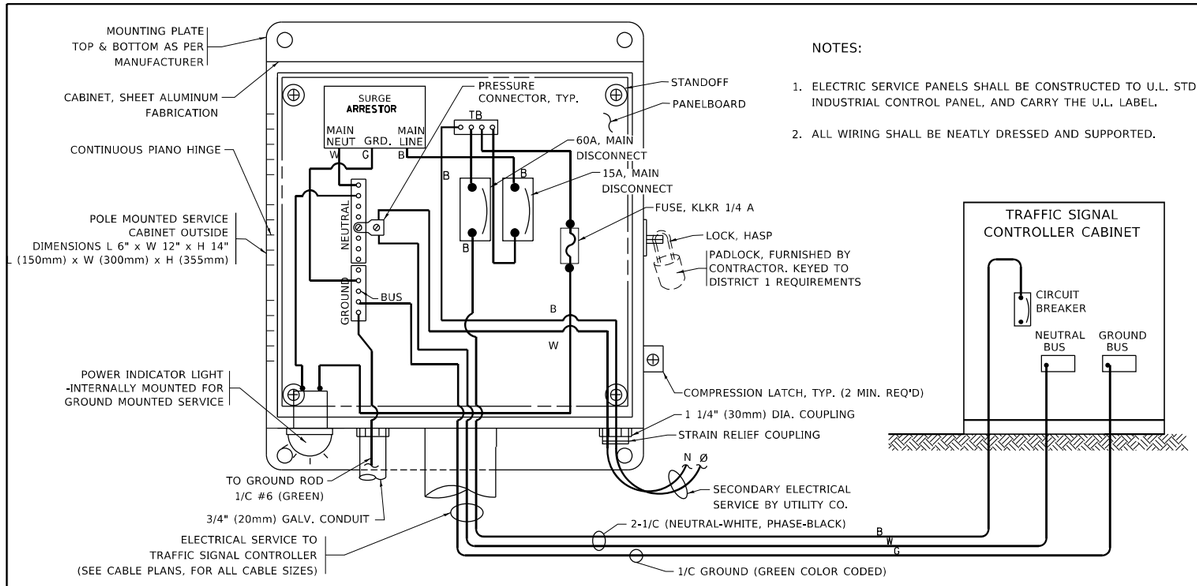
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	240
	TS–05	CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

ts05.dgn 3/4/2019 11:22:44 AM User=footemi



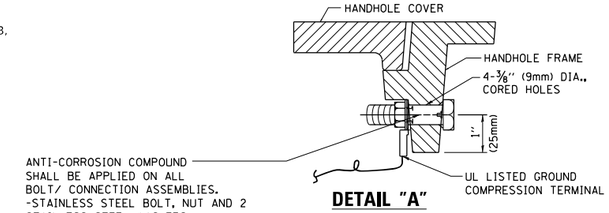
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

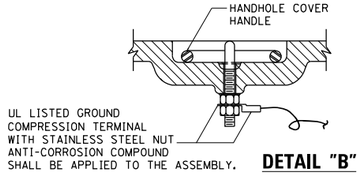
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

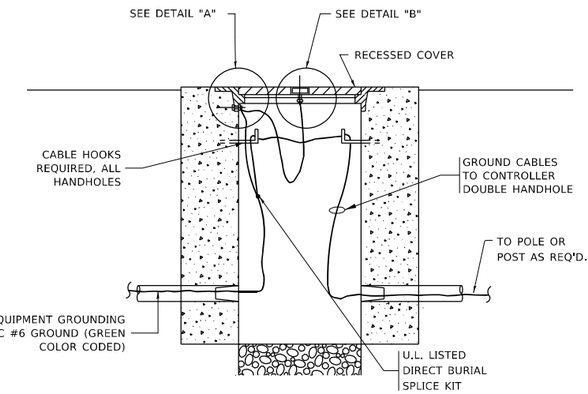


DETAIL "B"

NOTES:

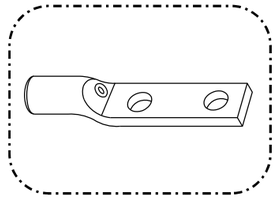
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

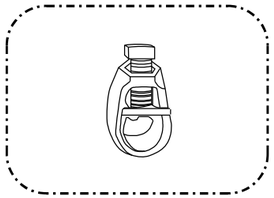


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



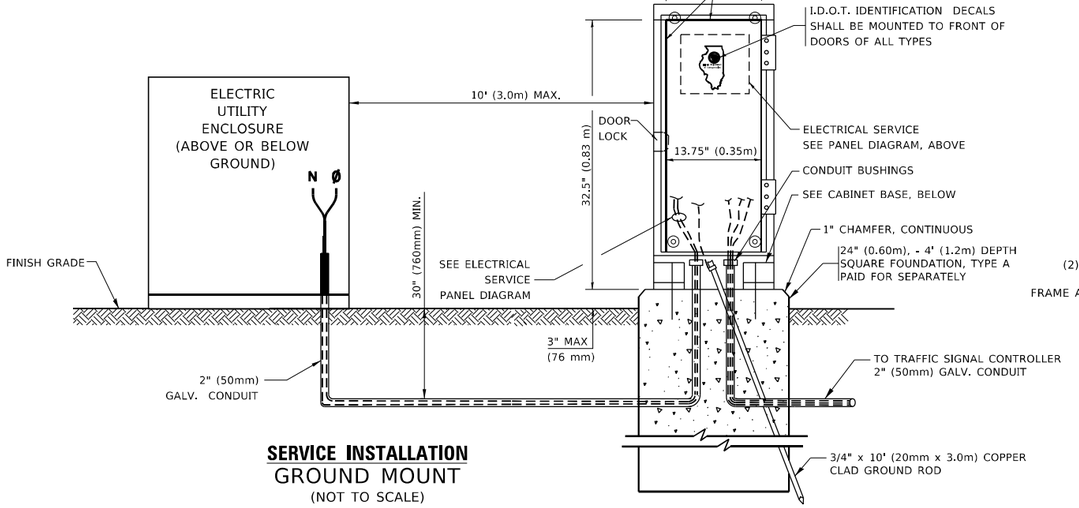
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

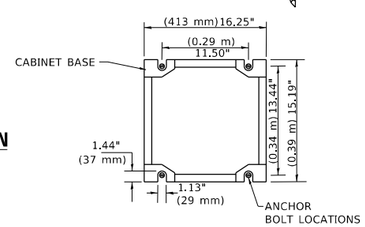
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



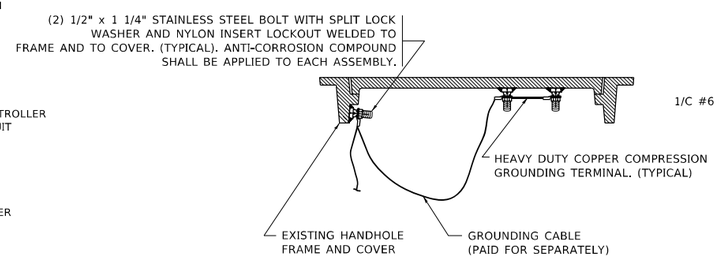
SERVICE INSTALLATION
GROUND MOUNT

(NOT TO SCALE)



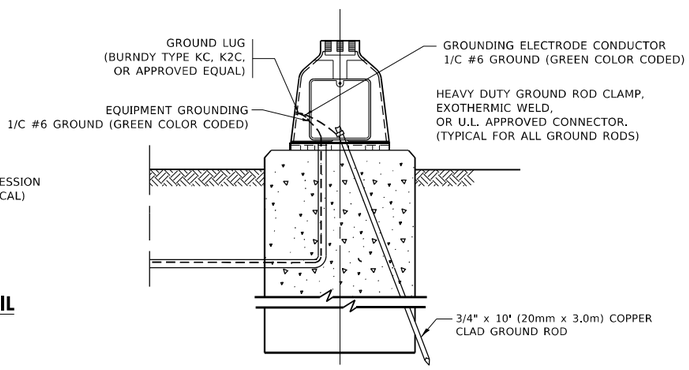
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

TS SHT NO. 5

MODEL: Default
FILE NAME: pw:\\IL084-EBIDINTEG:Illinois-jpw:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist51022.23a\CADData\CADSheets\ts05.dgn

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

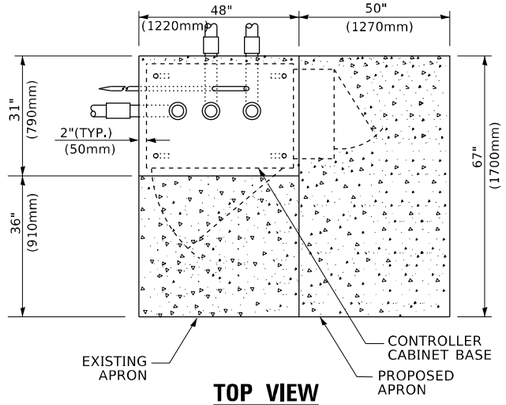
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

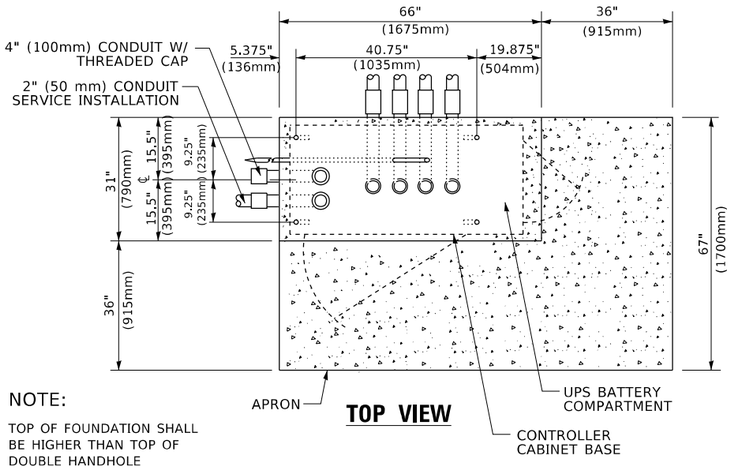
SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	241
	TS–05	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

ts05.dgn 3/4/2019 11:23:10 AM User=footemj



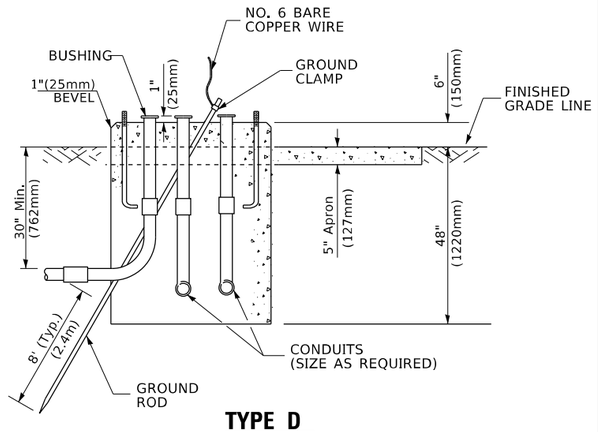
TOP VIEW



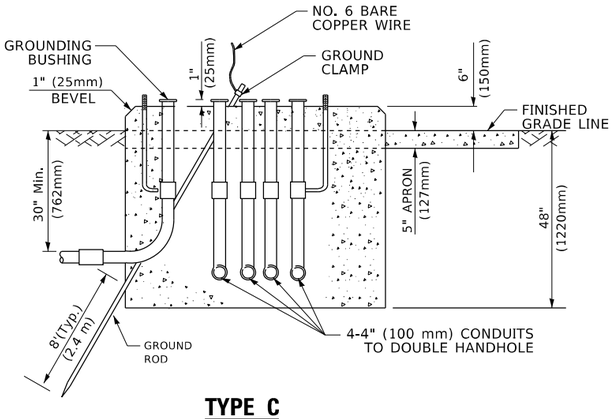
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

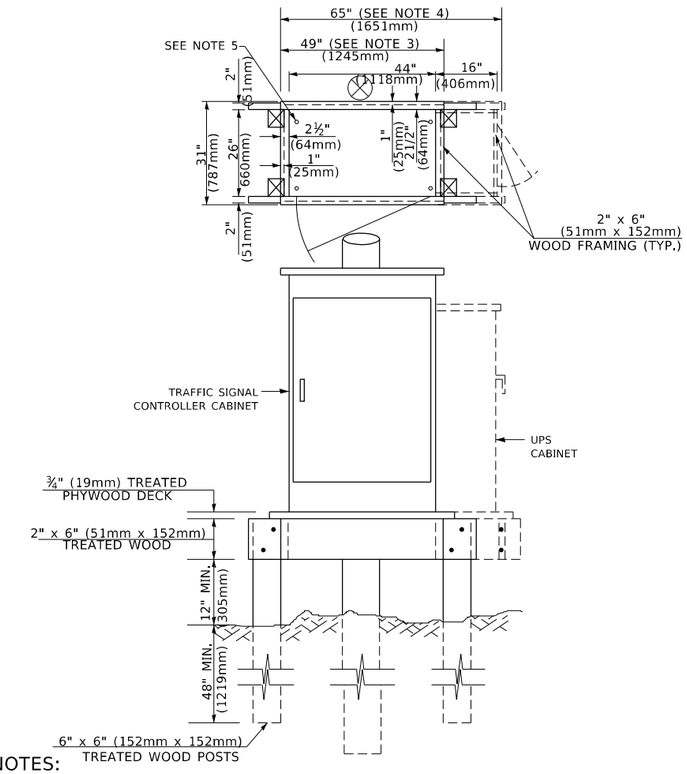
TOP VIEW



TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE C
FOR GROUND MOUNTED SUPER P (TYPE IV) AND SUPER R (TYPE V) CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TS SHT NO. 6

MODEL: Default
FILE NAME: pw:\\IL084-EBIDINTEG:illinois-jpw:PWIDOT Documents\IDOT Offices\District 1\Projects\Dist 1\d22x34\CADData\CADSheets\sts05.dgn

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

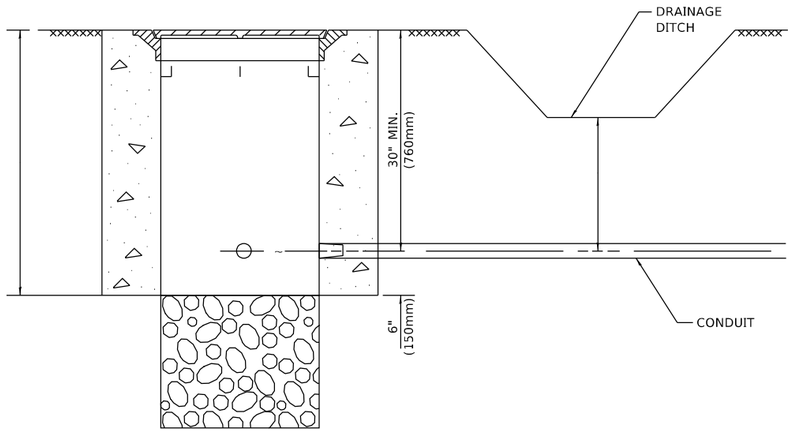
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	242
	TS-05	CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	

sts05.dgn 3/4/2019 11:23:29 AM User=footemj

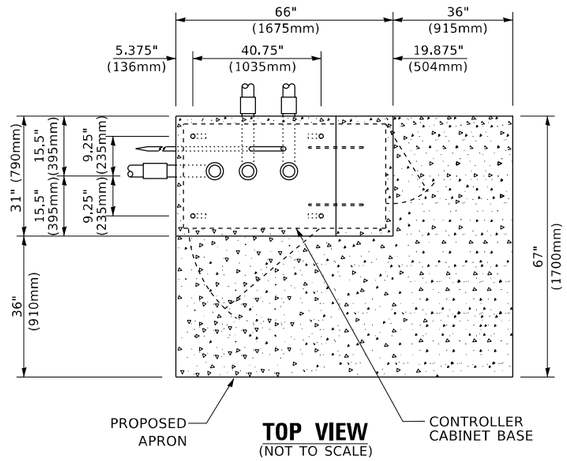


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

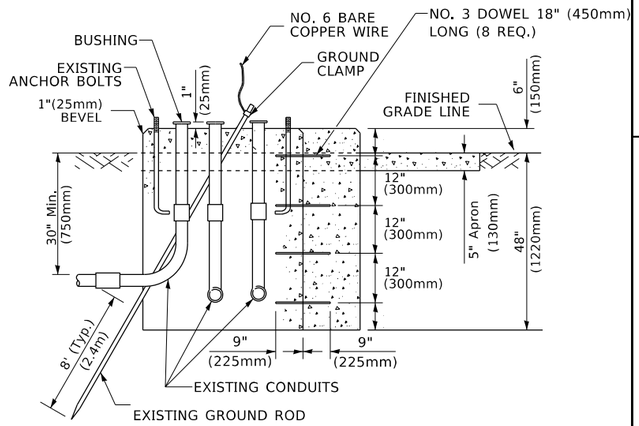
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



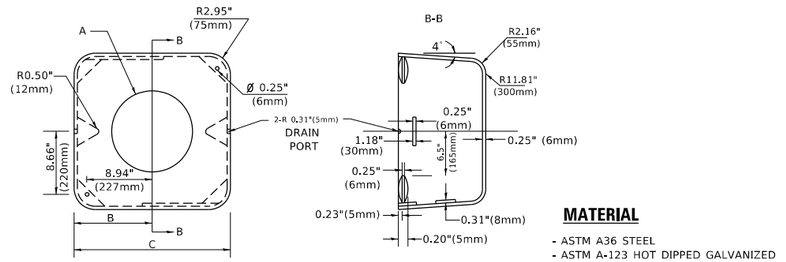
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

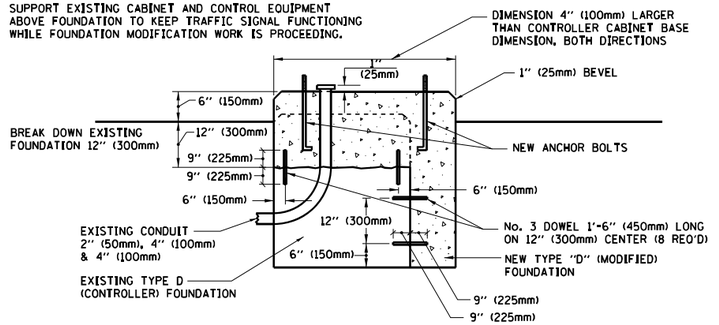
SHROUD

NOTES:

1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

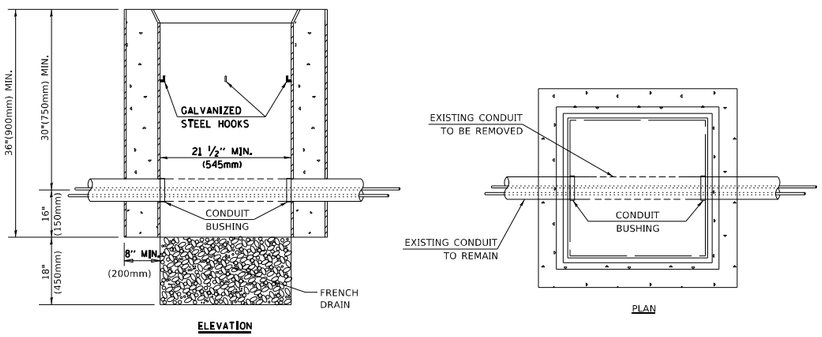
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



ELEVATION PLAN

NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 7

MODEL: Default
FILE NAME: pw:\\IL084-EBIDINTEG:Illinois.jpw:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\51022.234\CADData\CADsheets\ts05.dgn

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

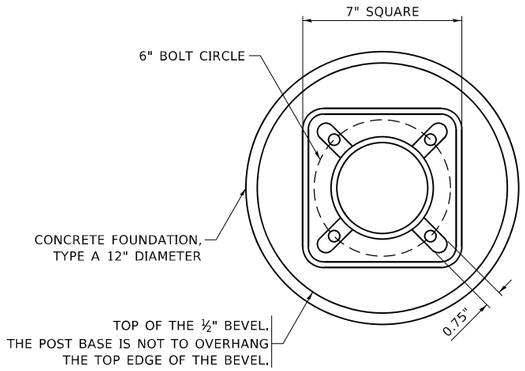
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	243
	TS-05	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

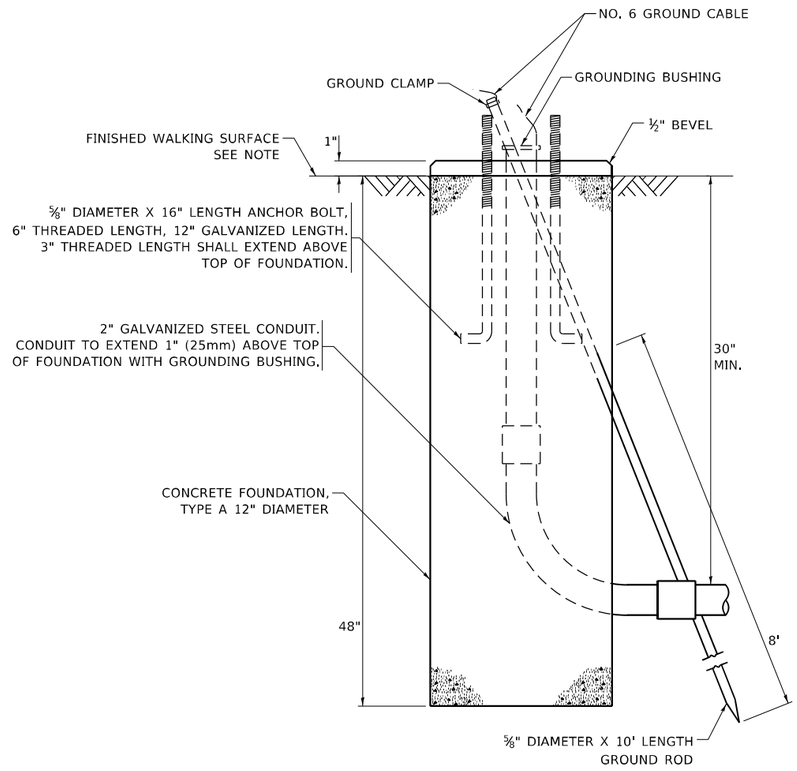
ts05.dgn 3/4/2019 11:23:51 AM User=footemj



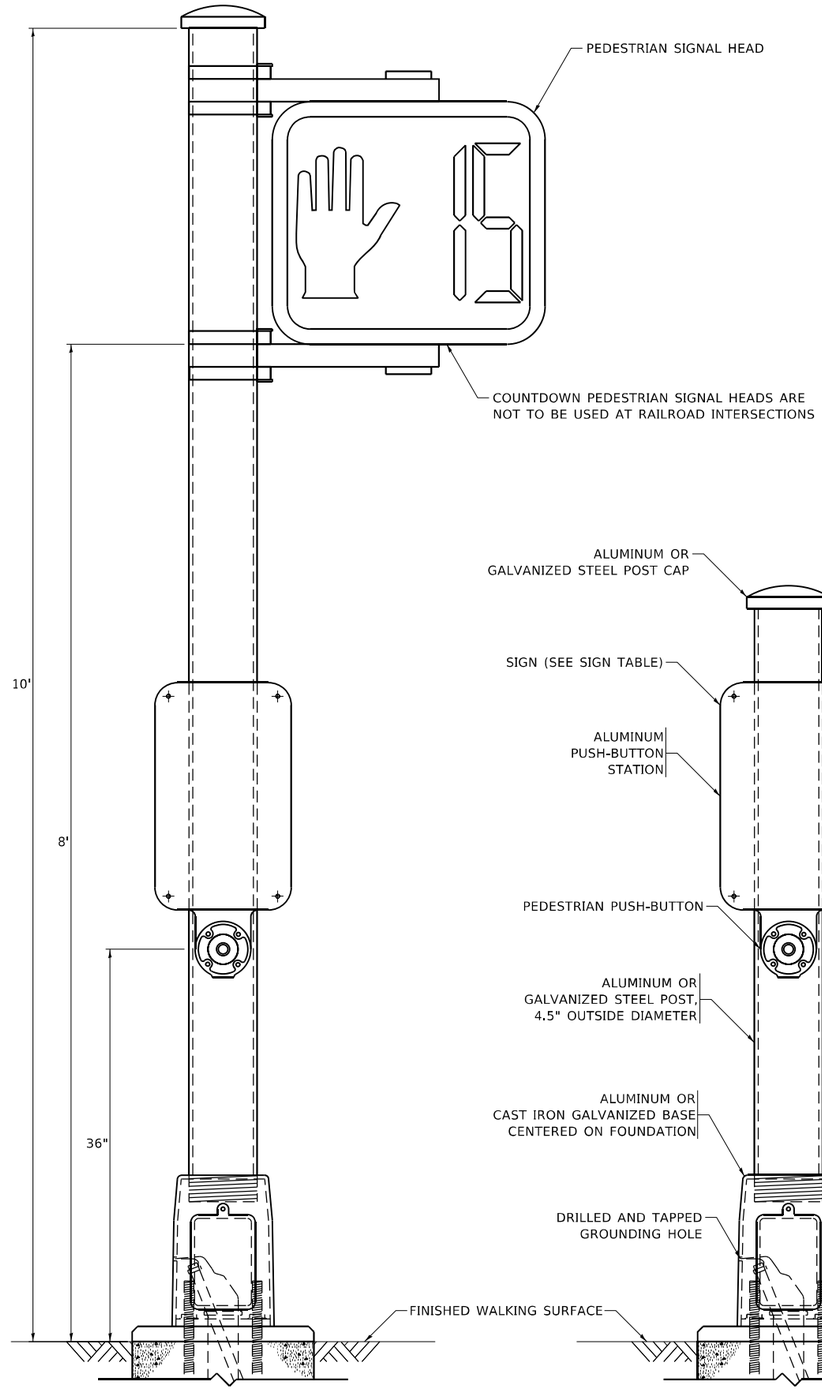
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER

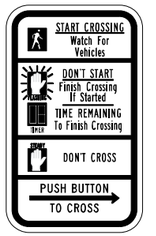


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.

R10–3b

R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 8

MODEL: Default
FILE NAME: pw:\\dot-pwroom.dot.illinois.gov:PWROOT\Documents\IDOT Offices\District 1\Projects\Dist\St\22-34\CADData\CADsheets\ts05.dgn

USER NAME = gaglianobt	DESIGNED - IP	REVISED - 10-15-2020	
	DRAWN - IP	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	244
	TS–05	CONTRACT NO. 60P75		
		ILLINOIS FED. AID PROJECT		

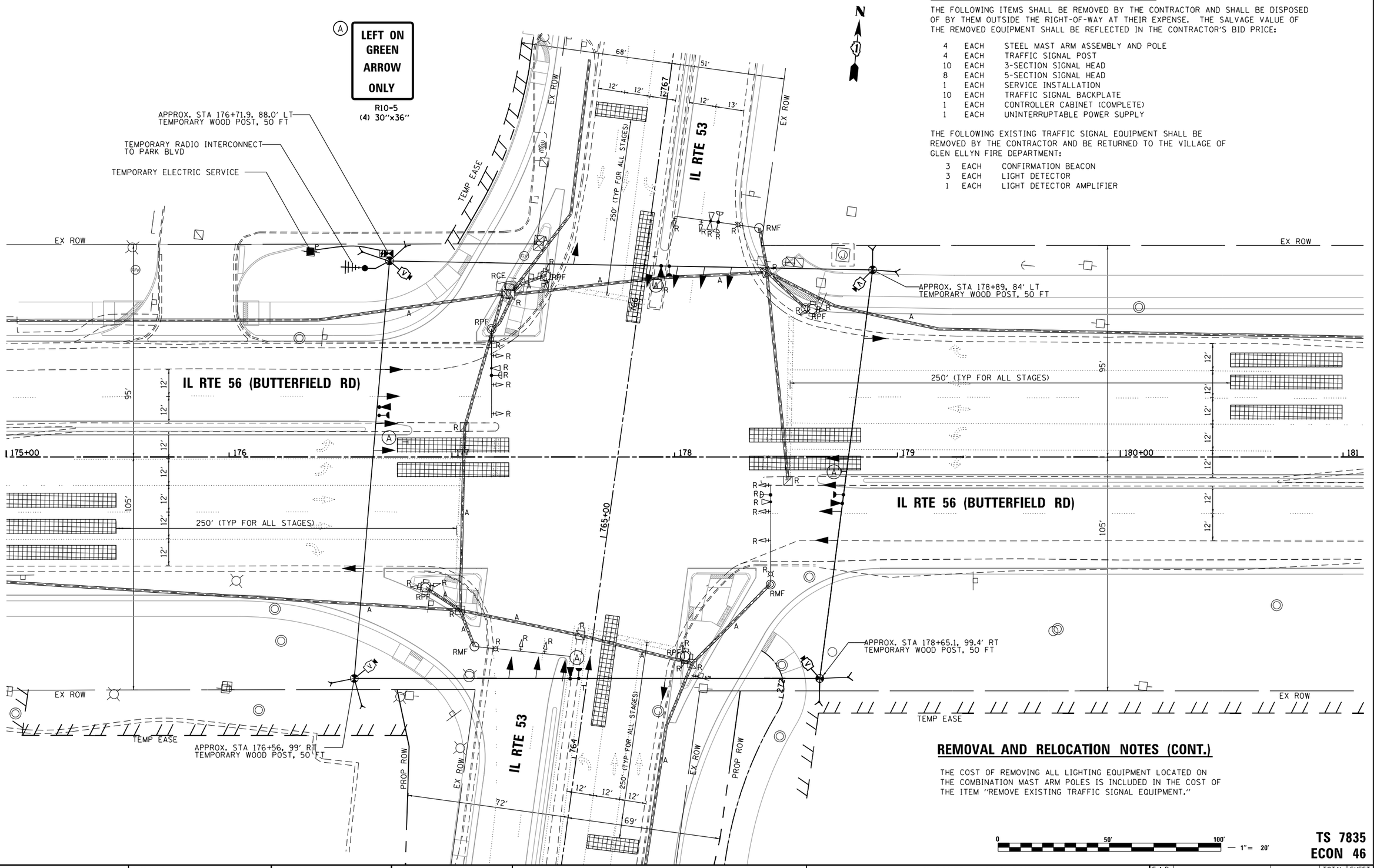
REMOVAL AND RELOCATION NOTES

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 CONTRACTOR'S BID PRICE:

4	EACH	STEEL MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST
10	EACH	3-SECTION SIGNAL HEAD
8	EACH	5-SECTION SIGNAL HEAD
1	EACH	SERVICE INSTALLATION
10	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	CONTROLLER CABINET (COMPLETE)
1	EACH	UNINTERRUPTABLE POWER SUPPLY

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND BE RETURNED TO THE VILLAGE OF GLEN ELLYN FIRE DEPARTMENT:

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



REMOVAL AND RELOCATION NOTES (CONT.)

THE COST OF REMOVING ALL LIGHTING EQUIPMENT LOCATED ON THE COMBINATION MAST ARM POLES IS INCLUDED IN THE COST OF THE ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."

TS 7835
ECON 46

TS SHT NO. 9

FILE NAME = $FILE$
PLOT SCALE = $ADWGSCALE$ / in.
USER NAME = $USERNAME$

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME =	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE =	CHECKED - TN	REVISED -
PLOT DATE =	DATE - 07/01/2022	REVISED -

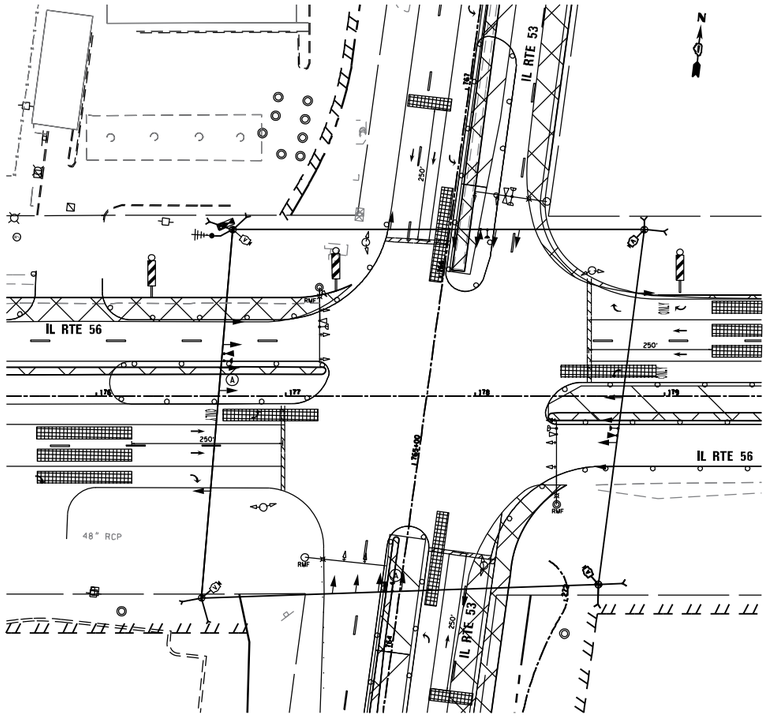
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 AT IL ROUTE 56
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN

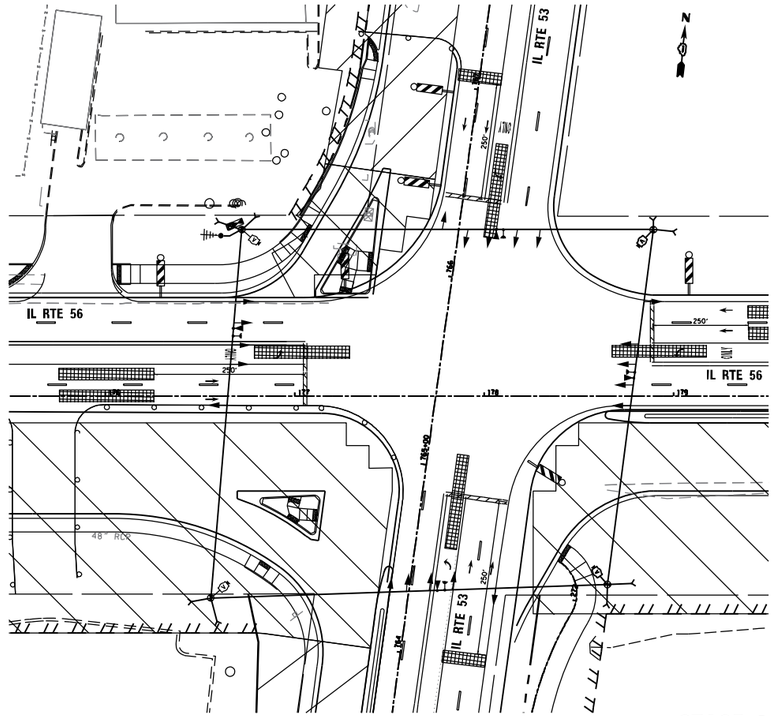
SCALE: 1"=20' | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	245
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

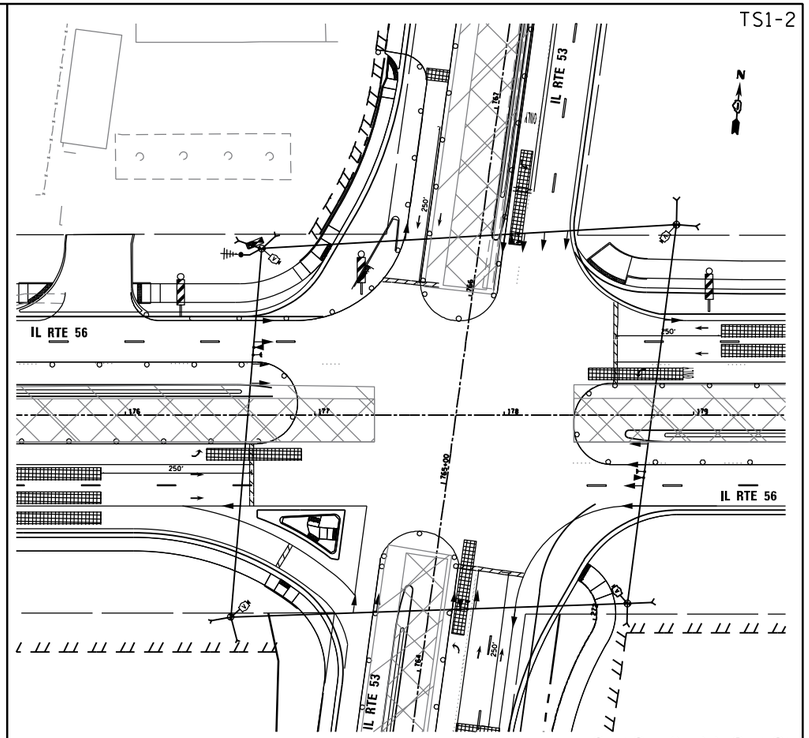
$FILE$



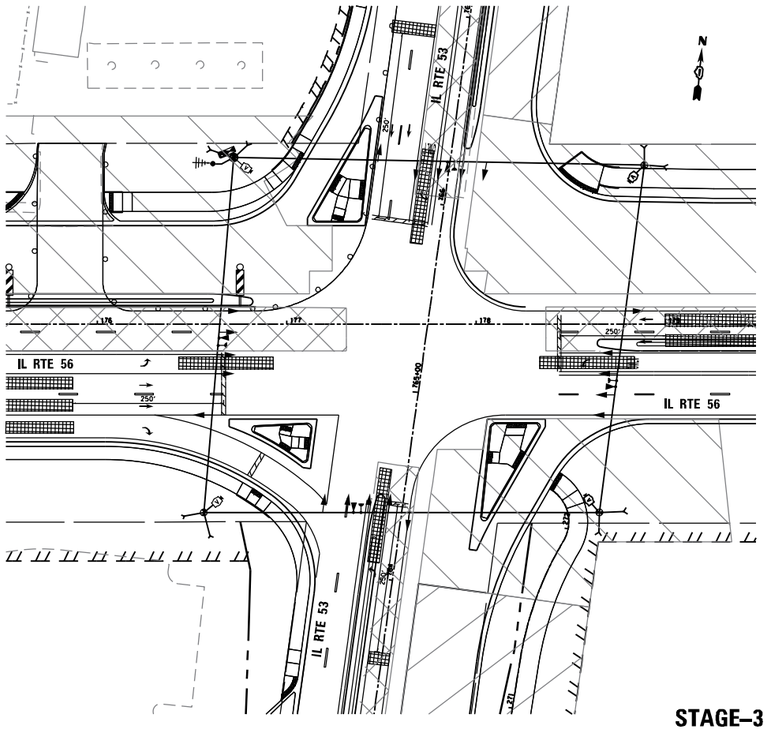
STAGE–1



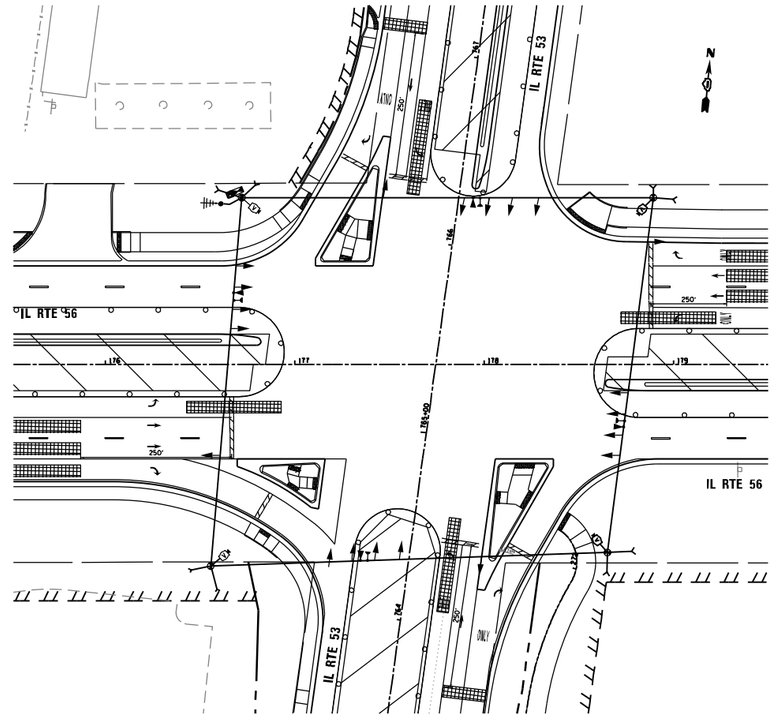
STAGE–2



STAGE–3 PRESTAGE



STAGE–3



STAGE–4

TS 7835
ECON 46

TS SHT NO. 10

FILE NAME = D160P75-TS12.IL53.TStage.dgn
PLOT SCALE = 80.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 80.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

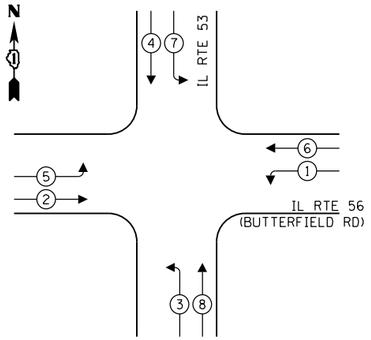
IL ROUTE 53 AT IL ROUTE 56
TEMPORARY TRAFFIC SIGNAL M.O.T. STAGING PLAN

SCALE: 1"=40' | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	246
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-TS12.IL53.TStage.dgn

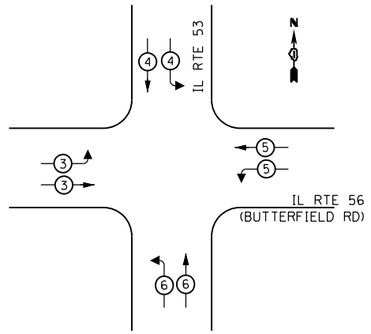
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



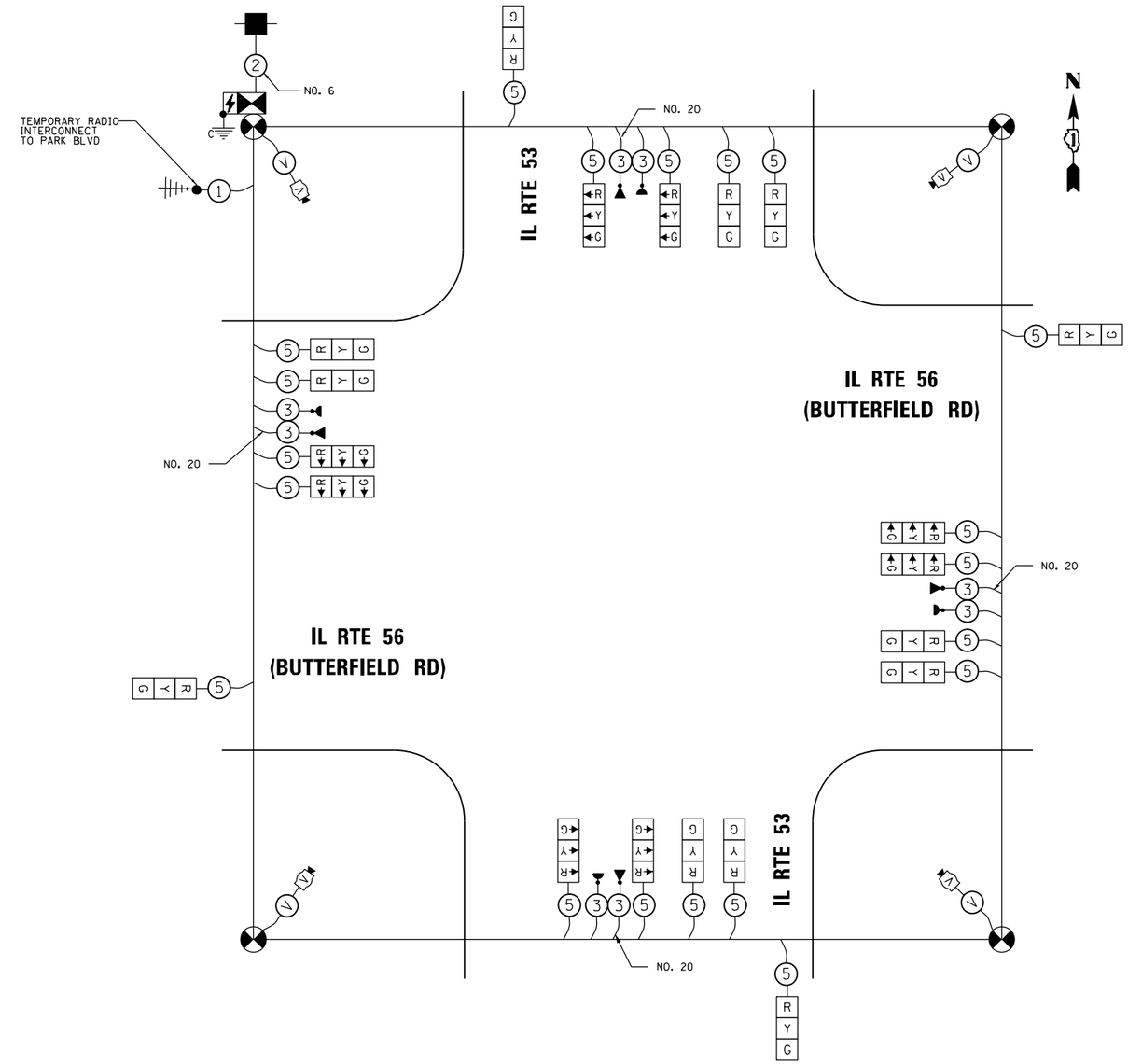
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	513.0

ENERGY COSTS TO:

VILLAGE OF GLEN ELLYN
535 DUANE STREET
GLEN ELLYN, IL 60137

ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEATH EDISON
ACCOUNT NUMBER: 00770-74054



TEMPORARY CABLE PLAN

TS 7835
ECON 46

TS SHT NO. 11

FILE NAME = D160P75-TS13.IL53.TCable.dgn
PLOT SCALE = 40.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

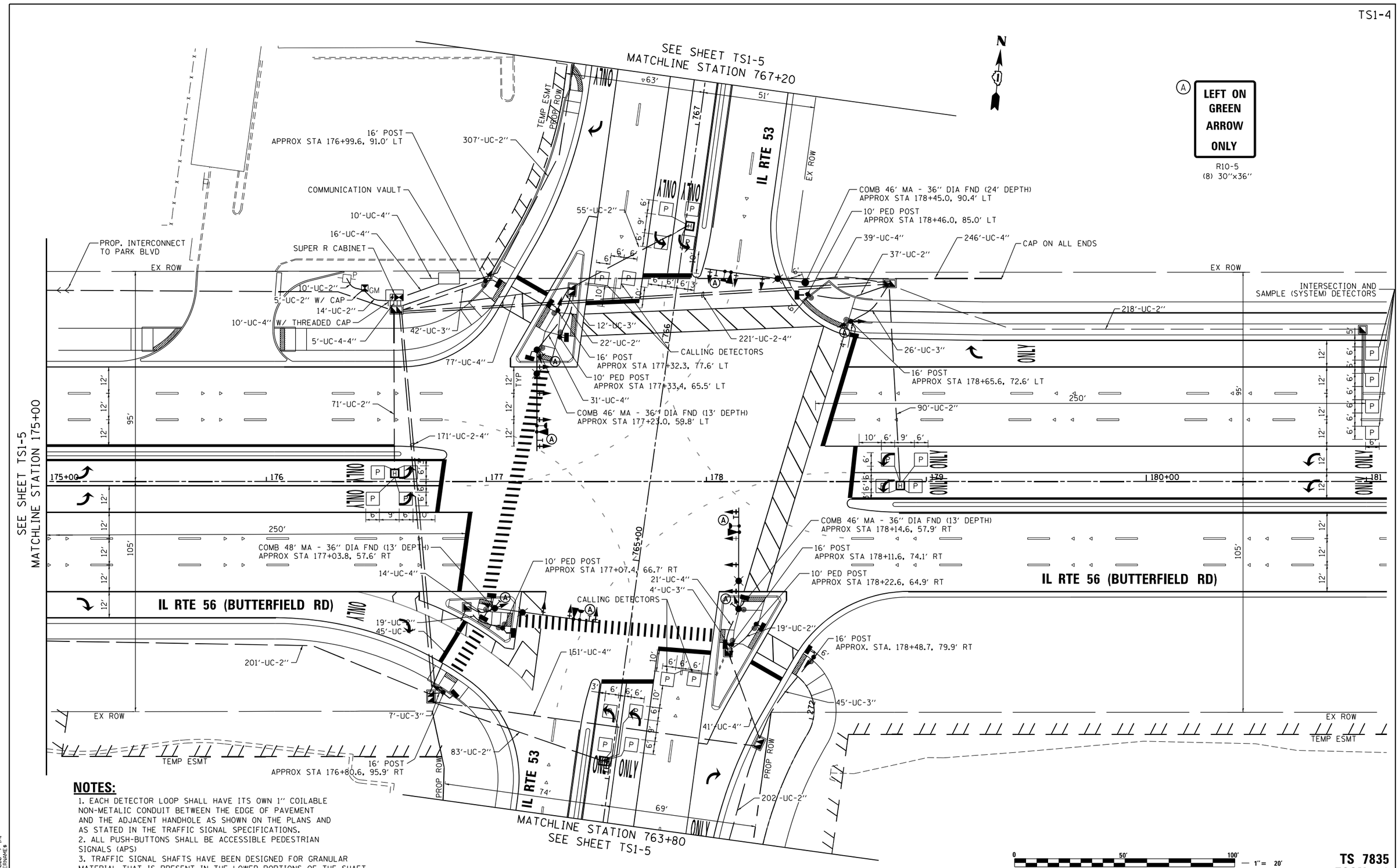
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 AT IL ROUTE 56
TEMPORARY TRAFFIC SIGNAL CABLE PLAN AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

SCALE: N/A | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	247
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-TS13.IL53.TCable.dgn



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL PUSH-BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS (APS)
3. TRAFFIC SIGNAL SHAFTS HAVE BEEN DESIGNED FOR GRANULAR MATERIAL THAT IS PRESENT IN THE LOWER PORTIONS OF THE SHAFT.

TS 7835
ECON 46

TS SHT NO. 12

FILE NAME = $FILE$
PLOT SCALE = $ADDON$ / in.
USER NAME = $USERNAME$

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME =	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE =	CHECKED - TN	REVISED -
PLOT DATE =	DATE - 07/01/2022	REVISED -

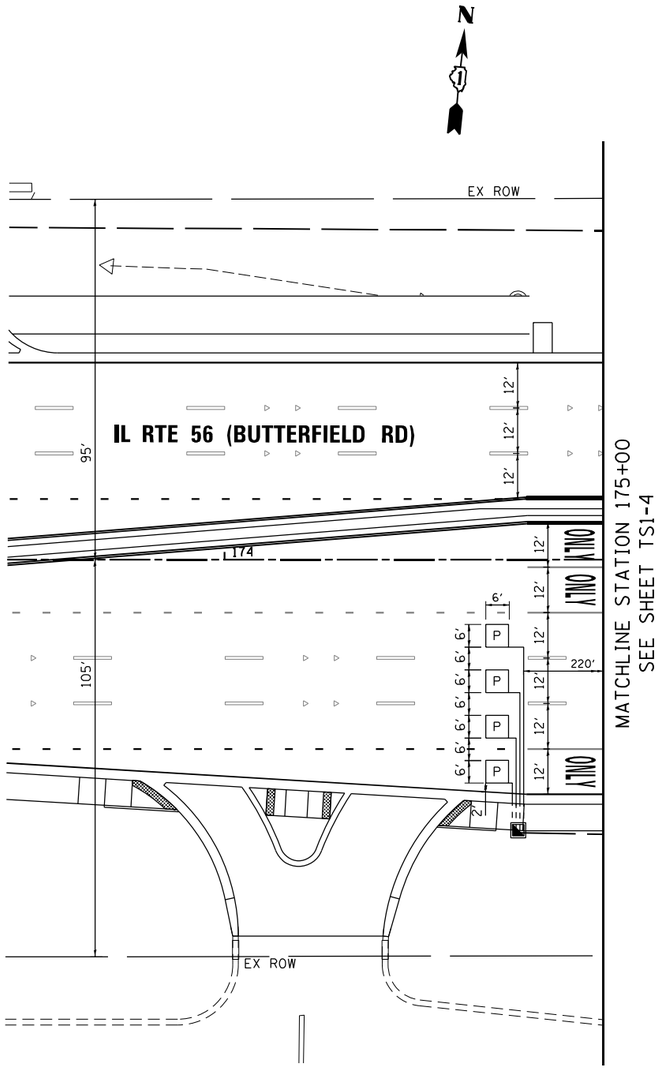
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

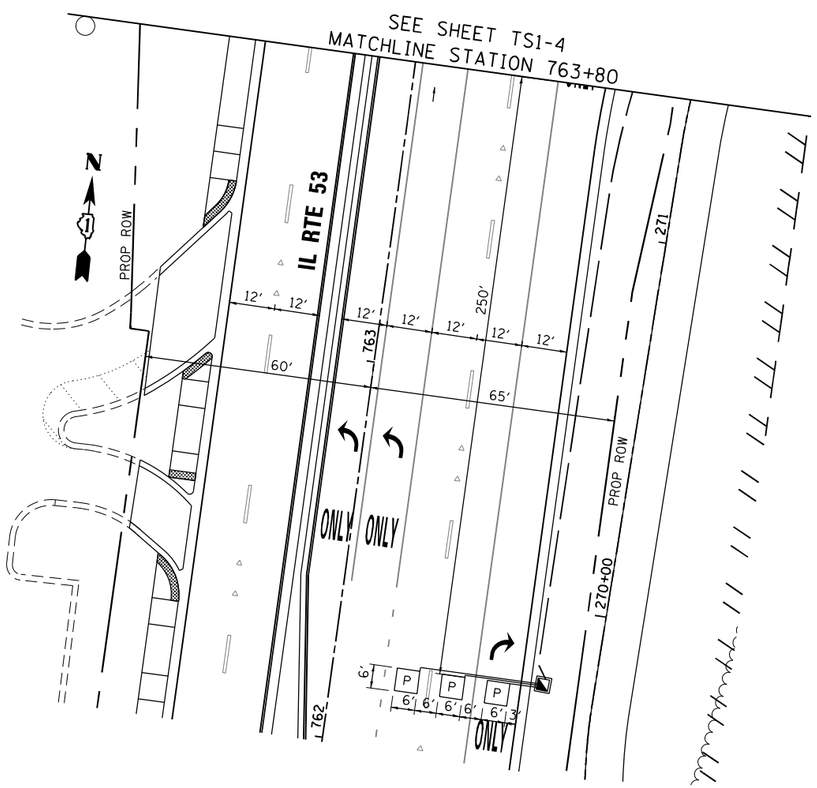
IL ROUTE 53 AT IL ROUTE 56
TRAFFIC SIGNAL INSTALLATION PLAN

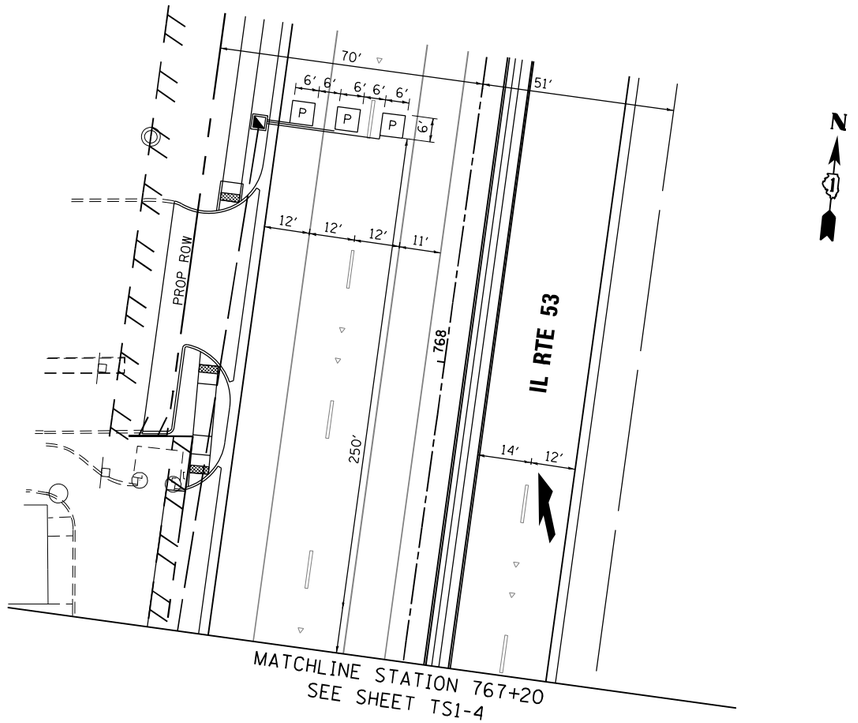
SCALE: 1"=20' | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	248
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

$FILE$







0 50' 100' — 1"= 20'

TS 7835
ECON 46

TS SHT NO. 13

FILE NAME = $FILE$
PLOT SCALE = $40.0000 ' / in.
USER NAME = $USERNAME$

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME =	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE =	CHECKED - TN	REVISED -
PLOT DATE =	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

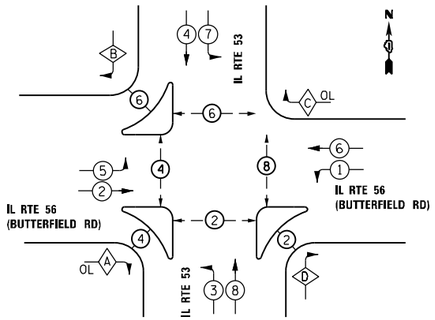
IL ROUTE 53 AT IL ROUTE 56
TRAFFIC SIGNAL INSTALLATION PLAN

SCALE: 1"=20' | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	249
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

$FILE$

PROPOSED CONTROLLER SEQUENCE



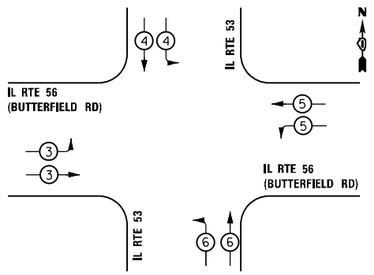
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



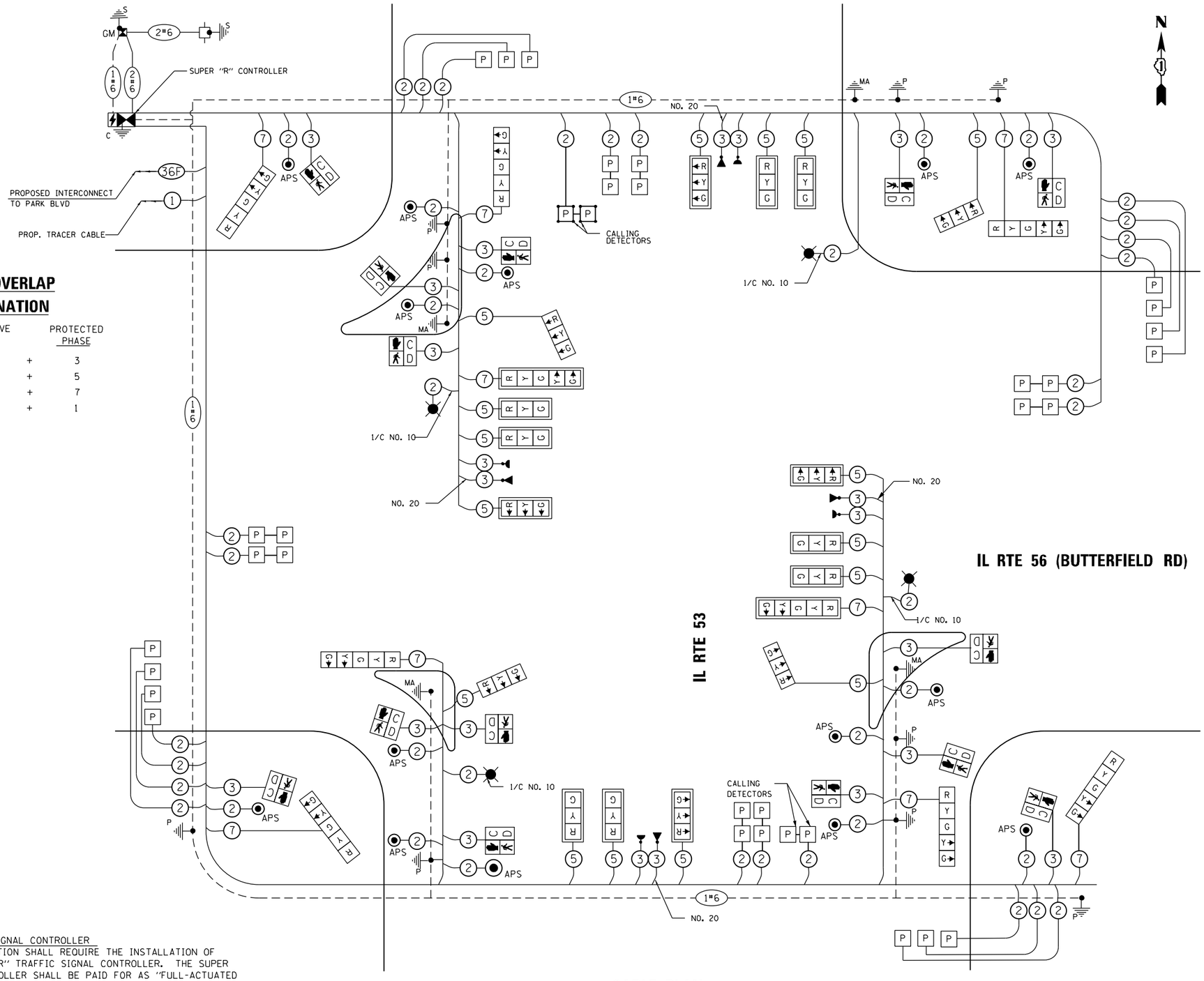
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	25	11	50	137.5
(YELLOW)	25	20	5	25.0
(GREEN)	25	12	45	135.0
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	14	20	100	280.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	238	50	476.0
			TOTAL =	1194.5

ENERGY COSTS TO:

VILLAGE OF GLEN ELLYN
535 DUANE STREET
GLEN ELLYN, IL 60137

ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEATH EDISON
ACCOUNT NUMBER: 00770-74054



TRAFFIC SIGNAL CONTROLLER
THIS LOCATION SHALL REQUIRE THE INSTALLATION OF A SUPER "R" TRAFFIC SIGNAL CONTROLLER. THE SUPER "R" CONTROLLER SHALL BE PAID FOR AS "FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)".

CABLE PLAN

(NOT TO SCALE)

TS 7835
ECON 46

TS SHT NO. 14

FILE NAME = DI60P75-TS16.IL53.Cable.dgn
PLOT SCALE = 40.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 AT IL ROUTE 56
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

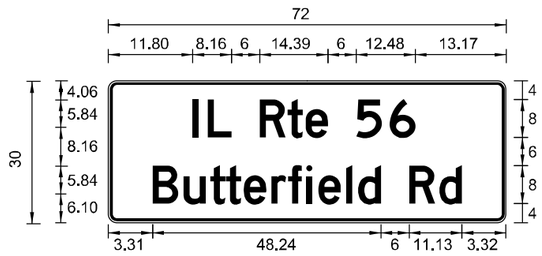
SCALE: N/A | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	250
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

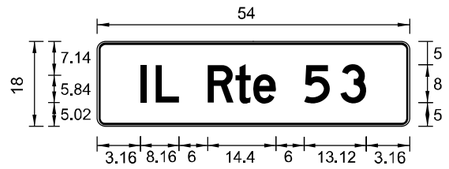
DI60P75-TS16.IL53.Cable.dgn

SIGN PANEL – TYPE 1 AND TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2



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

NOTE: FOR ADDITIONAL DESIGN AND INTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	73.5
	SIGN PANEL - TYPE 2	SQ FT	30
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1297
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	159
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1495
	HANDHOLE	EACH	6
	HEAVY-DUTY HANDHOLE	EACH	4
	DOUBLE HANDHOLE	EACH	5
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	3940
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	5455
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	5720
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	2544
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	8394
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	35
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1321
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	3
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	16
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14
	INDUCTIVE LOOP DETECTOR	EACH	24
	PREFORMED DETECTOR LOOP	FOOT	1305
*	LIGHT DETECTOR	EACH	4
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	11
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1303
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	14
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
	COMMUNICATIONS VAULT	EACH	1
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF GLEN ELLYN

TS 7835
ECON 46

TS SHT NO. 15

FILE NAME = D160P75-TS17_IL53_Sign-S00.dgn
PLOT SCALE = 40.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

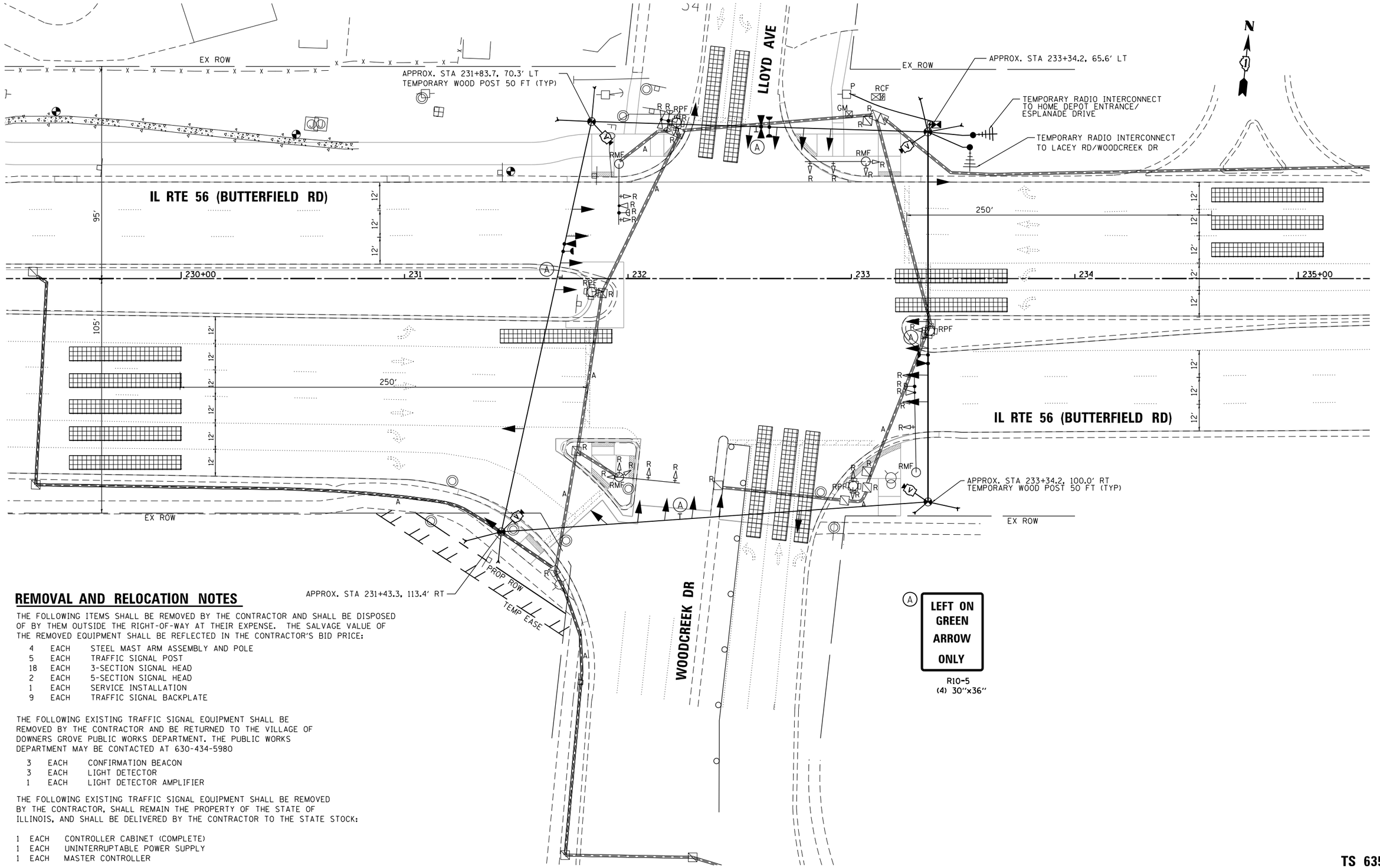
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 AT IL ROUTE 56
MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	251
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-TS17_IL53_Sign-S00.dgn



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 CONTRACTOR'S BID PRICE:

4	EACH	STEEL MAST ARM ASSEMBLY AND POLE
5	EACH	TRAFFIC SIGNAL POST
18	EACH	3-SECTION SIGNAL HEAD
2	EACH	5-SECTION SIGNAL HEAD
1	EACH	SERVICE INSTALLATION
9	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND BE RETURNED TO THE VILLAGE OF DOWNERS GROVE PUBLIC WORKS DEPARTMENT. THE PUBLIC WORKS DEPARTMENT MAY BE CONTACTED AT 630-434-5980

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

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE OF ILLINOIS, AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE STOCK:

1	EACH	CONTROLLER CABINET (COMPLETE)
1	EACH	UNINTERRUPTABLE POWER SUPPLY
1	EACH	MASTER CONTROLLER

TS 6350
ECON 41

TS SHT NO. 16

FILE NAME = $FILE$
PLOT SCALE = 40.0000 ' / in.
USER NAME = $USERNAME$

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME =	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE =	CHECKED - TN	REVISED -
PLOT DATE =	DATE - 07/01/2022	REVISED -

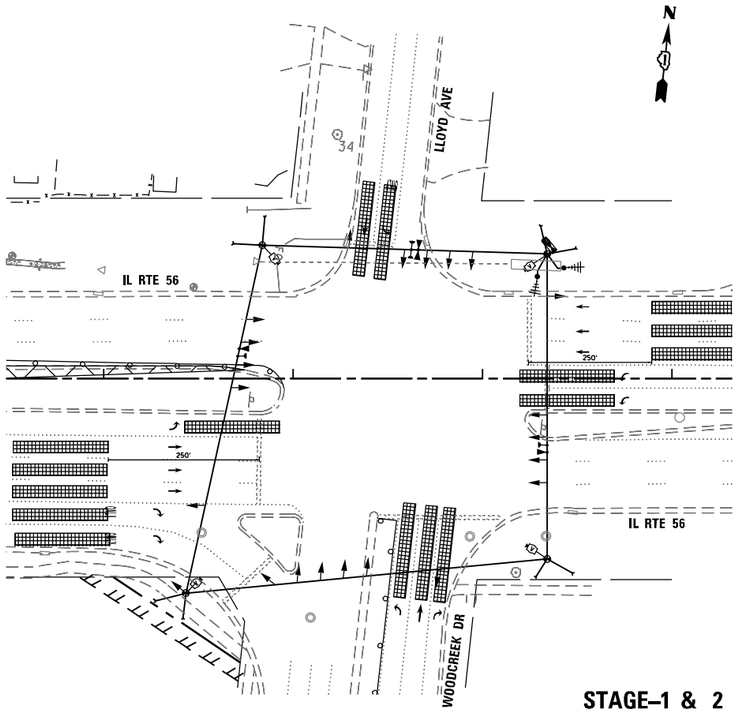
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56 (BUTTERFIELD RD) AT LLOYD AVE/WOODCREEK DR
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN

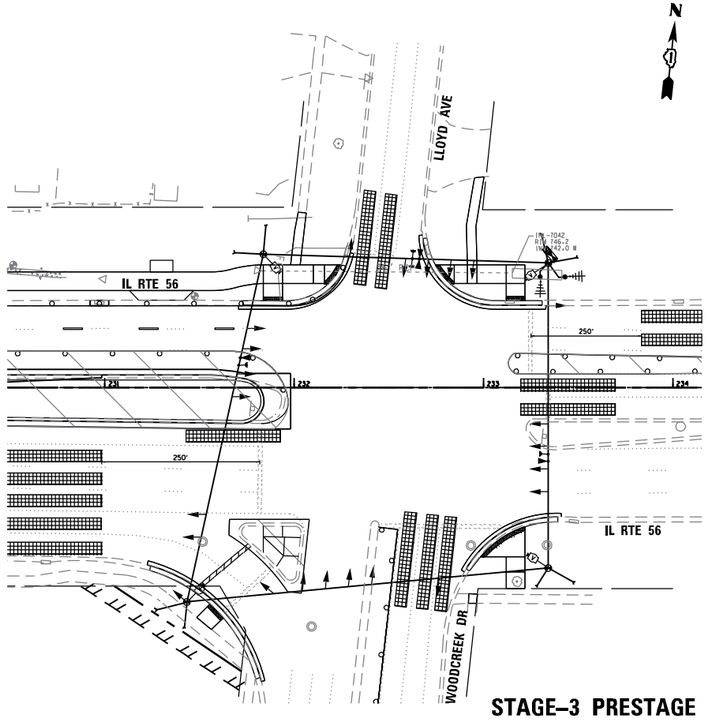
SCALE: 1"=20' | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	252
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

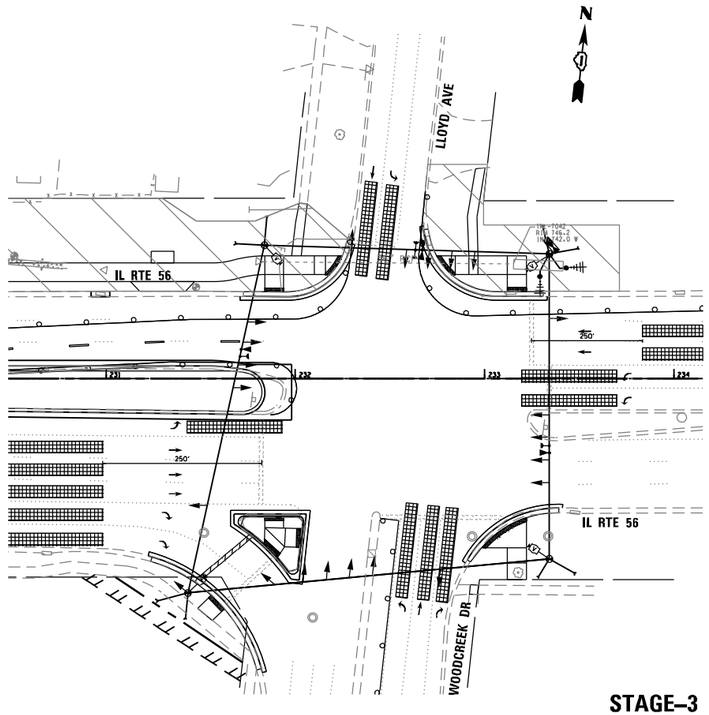
$FILE$



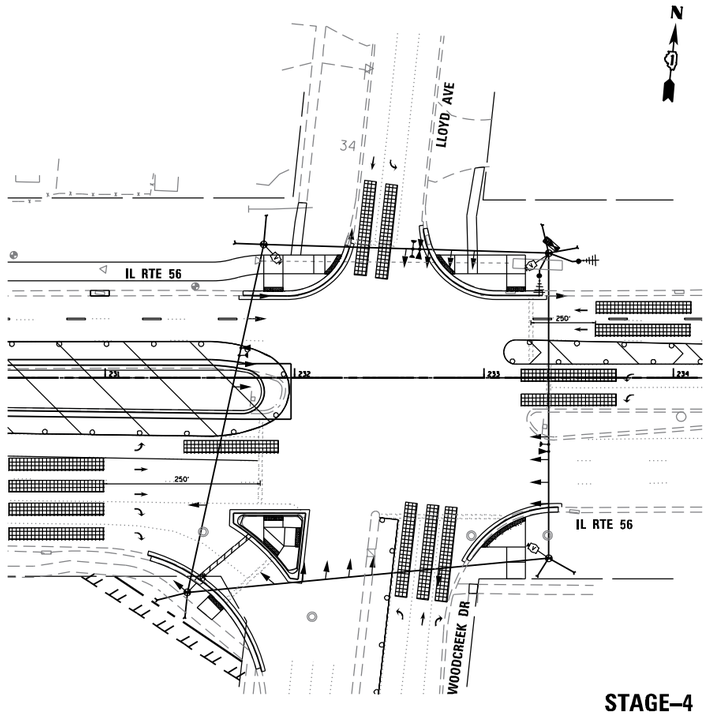
STAGE–1 & 2



STAGE–3 PRESTAGE



STAGE–3



STAGE–4

TS 6350
ECON 41

TS SHT NO. 17

FILE NAME = D160P75-TS22.LLOYD.TStage.dgn
PLOT SCALE = 80.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 80.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

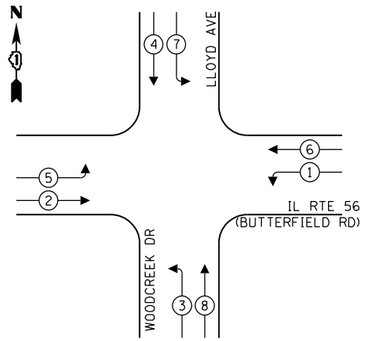
IL ROUTE 56 (BUTTERFIELD RD) AT LLOYD AVENUE
TEMPORARY TRAFFIC SIGNAL M.O.T. STAGING PLAN

SCALE: 1"=40' | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	253
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-TS22.LLOYD.TStage.dgn

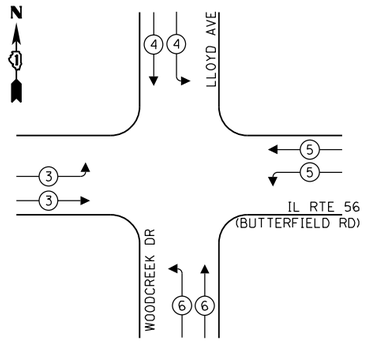
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



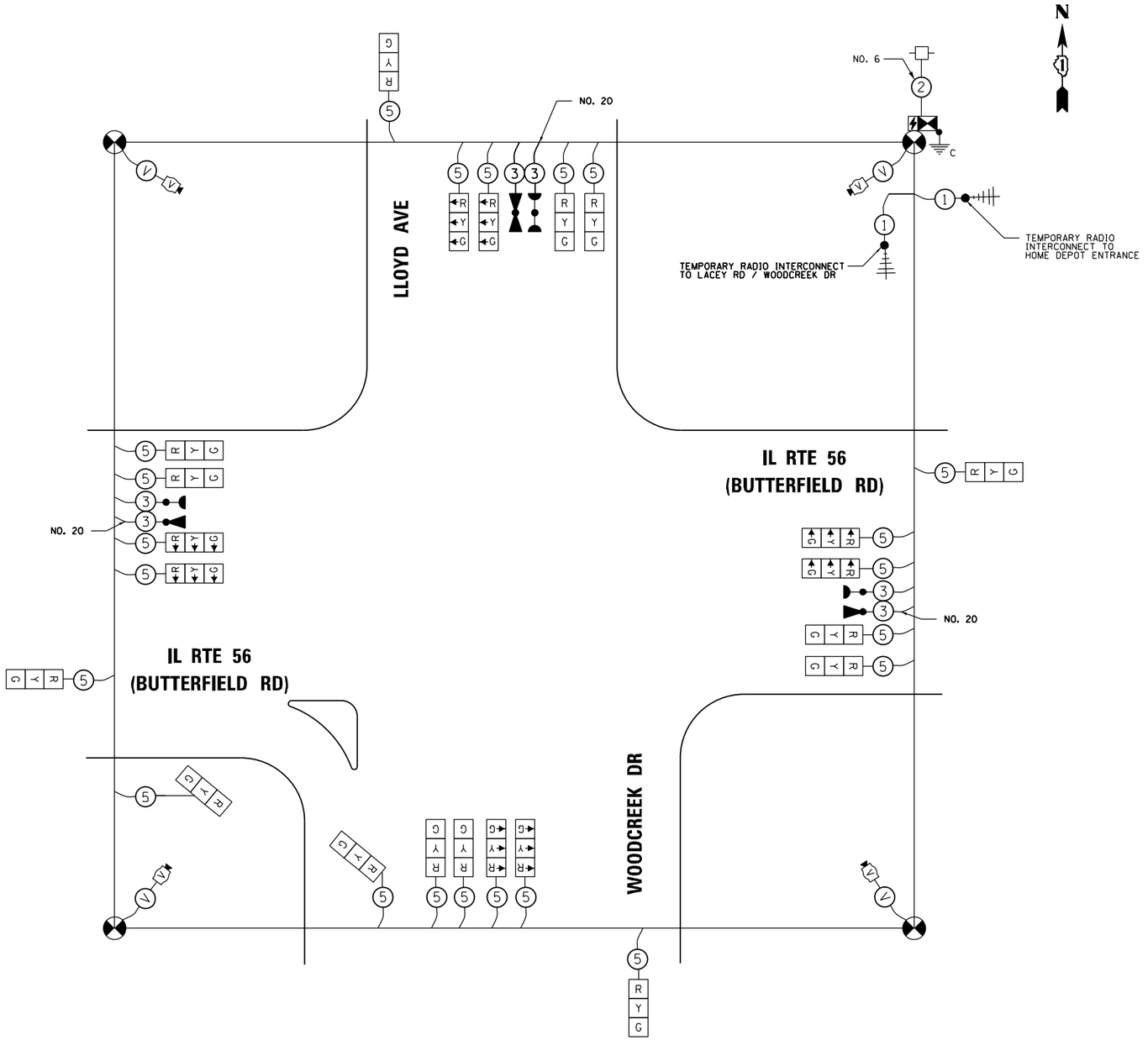
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	11	50	121.0
(YELLOW)	22	20	5	22.0
(GREEN)	22	12	45	118.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	536.8

ENERGY COSTS TO:

VILLAGE OF DOWNERS GROVE
801 BURLINGTON AVE
DOWNERS GROVE, IL 60515

ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 10531-30092



TEMPORARY CABLE PLAN

TS 6350
ECON 41

TS SHT NO. 18

FILE NAME = DI60P75-TS23.LLoyd.TCable.dgn
PLOT SCALE = 40.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

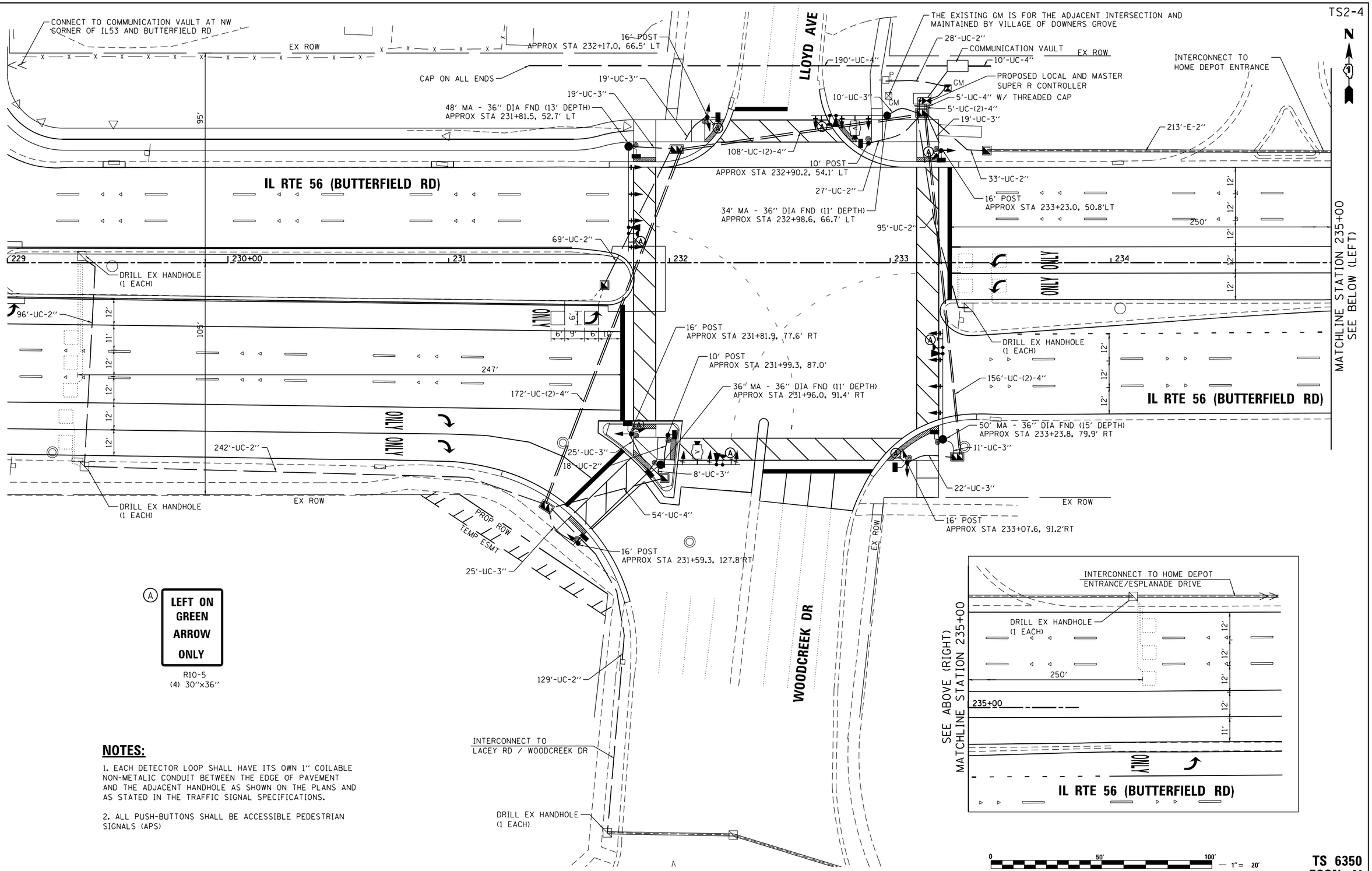
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56 (BUTTERFIELD RD) AT LLOYD AVE/WOODCREEK DR
TEMPORARY TRAFFIC SIGNAL CABLE PLAN AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

SCALE: N/A | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	254
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

DI60P75-TS23.LLoyd.TCable.dgn



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

2. ALL PUSH-BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS (APS)

TS 6350
ECON 41

TS SHT NO. 19

FILE NAME = $FILE$
PLOT SCALE = 40.0000 ' / in.
USER NAME = $USERNAME$

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME =	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE =	CHECKED - TN	REVISED -
PLOT DATE =	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

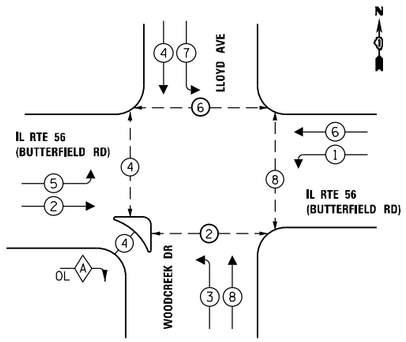
IL ROUTE 56 AT LLOYD AVE/WOODCREEK DR
TRAFFIC SIGNAL INSTALLATION PLAN

SCALE: 1"=20' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	255
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

$FILE$

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

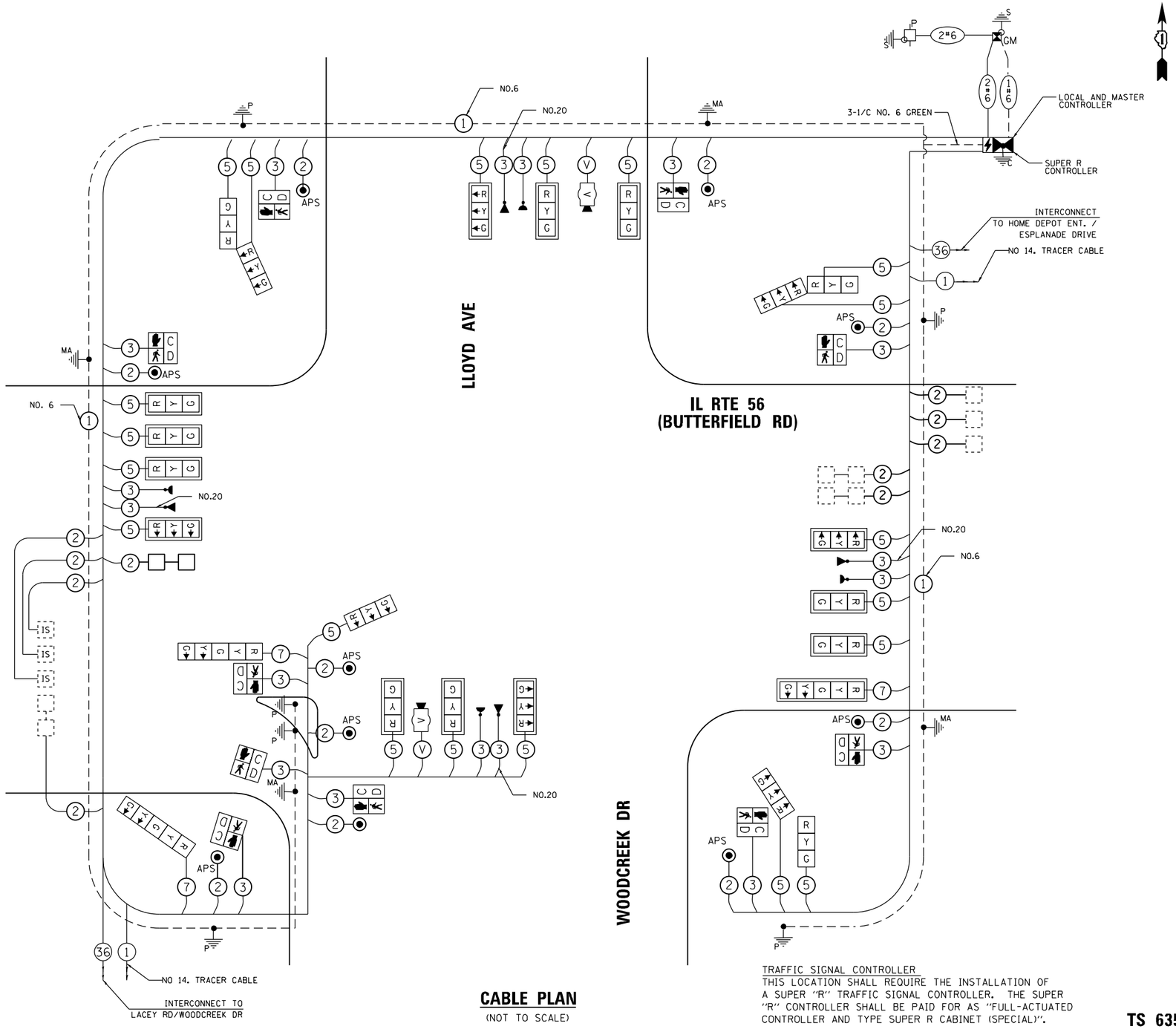
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	23	11	50	126.5
(YELLOW)	23	20	5	23.0
(GREEN)	23	12	45	124.2
PERMISSIVE ARROW	6	10	10	6.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	754.7

ENERGY COSTS TO:

VILLAGE OF DOWNERS GROVE
801 BURLINGTON AVE
DOWNERS GROVE, IL 60515

ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEATH EDISON
ACCOUNT NUMBER: 10531-30092



CABLE PLAN

(NOT TO SCALE)

TRAFFIC SIGNAL CONTROLLER
THIS LOCATION SHALL REQUIRE THE INSTALLATION OF A SUPER "R" TRAFFIC SIGNAL CONTROLLER. THE SUPER "R" CONTROLLER SHALL BE PAID FOR AS "FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)".

TS 6350
ECON 41

TS SHT NO. 20
FILE NAME = D16@P75-TS25_LLoyd_Cable.dgn
PLOT SCALE = 40.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56 AT LLOYD AVE /WOODCREEK DR
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

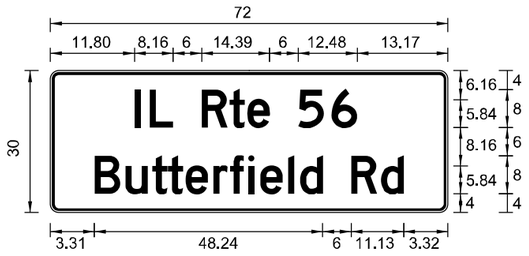
SCALE: N/A | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	256
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

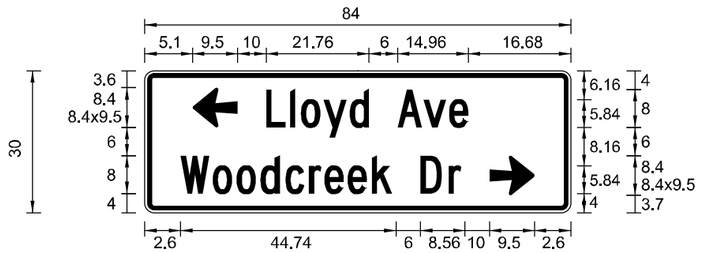
D16@P75-TS25_LLoyd_Cable.dgn

SIGN PANEL – TYPE 2

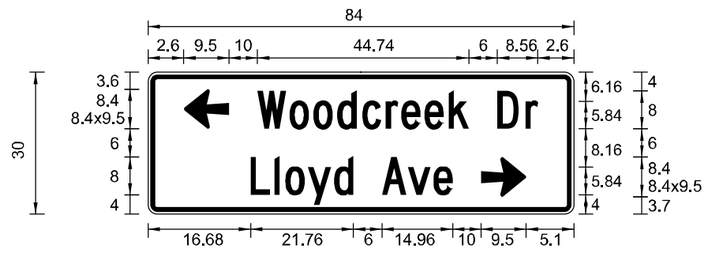
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	17.5	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	17.5	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	60.0
	SIGN PANEL - TYPE 2	SQ FT	65.0
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	768
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	133
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1151
	HANDHOLE	EACH	3
	DOUBLE HANDHOLE	EACH	4
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	2537
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3450
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	4670
	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1043
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3828
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	29
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1357
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5
	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50
	DRILL EXISTING HANDHOLE	EACH	3
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	13
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	1
	DETECTOR LOOP, TYPE I	FOOT	54
*	LIGHT DETECTOR	EACH	4
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	9
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	974
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
	RELOCATE EXISTING MASTER CONTROLLER	EACH	1
	COMMUNICATIONS VAULT	EACH	1
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF DOWNERS GROVE

TS 6350
ECON 41

TS SHT NO. 21

FILE NAME = D160P75-TS26.LLoyd_Sign-S00.dgn
PLOT SCALE = 40.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -	
	DRAWN - JP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - TN	REVISED -	
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 56 AT LLOYD AVE /WOODCREEK DR
MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)IR-4	DUPAGE	529	257
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-TS26.LLoyd_Sign-S00.dgn

PARK BLVD

145+00

150+00

IL RTE 56 (BUTTERFIELD RD)

MATCHLINE STATION 155+00
SEE BELOW LEFT

TEMPORARY RADIO
INTERCONNECT ANTENNA
TO IL ROUTE 53

THE ELECTRIC CABLE SHALL BE REMOVED FROM THE CONTROLLER AT PARK BLVD TO THIS HANDHOLE

SEE ABOVE RIGHT
MATCHLINE STATION 155+00

IL RTE 56 (BUTTERFIELD RD)

MATCHLINE STATION 170+00
SEE BELOW LEFT

TEMPORARY RADIO
INTERCONNECT ANTENNA
TO PARK BLVD

IL RTE 53

SEE ABOVE RIGHT
MATCHLINE STATION 170+00

IL RTE 56 (BUTTERFIELD RD)

NOTES:

1. ALL WORK SPECIFIED IN THE TEMPORARY TRAFFIC SIGNAL INTERCONNECT PLAN SHALL BE COMPLETED ACCORDING TO IDOT STANDARD SPECIFICATIONS AND DISTRICT ONE TRAFFIC SIGNAL SPECIFICATIONS.

2. REMOVAL OF FIBER OPTIC CABLE SHALL NOT BEGIN UNTIL ALL COMPONENTS OF THE TEMPORARY WIRELESS INTERCONNECT SYSTEM ARE IN PLACE AND OPERATIONAL.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING TRAFFIC SIGNAL INSTALLATIONS AT IL ROUTE 56 (BUTTERFIELD RD)/PARK BLVD, IL ROUTE 56 (BUTTERFIELD RD) /HOME DEPOT ENTRANCE, AND LACEY RD/WOODCREEK DR AND THE INTERCONNECT SYSTEM BETWEEN THE INTERSECTIONS.

ECON 46

TS SHT NO. 22

FILE NAME = D160P75-TINTC01.Intcon.dgn
PLOT SCALE = 100.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

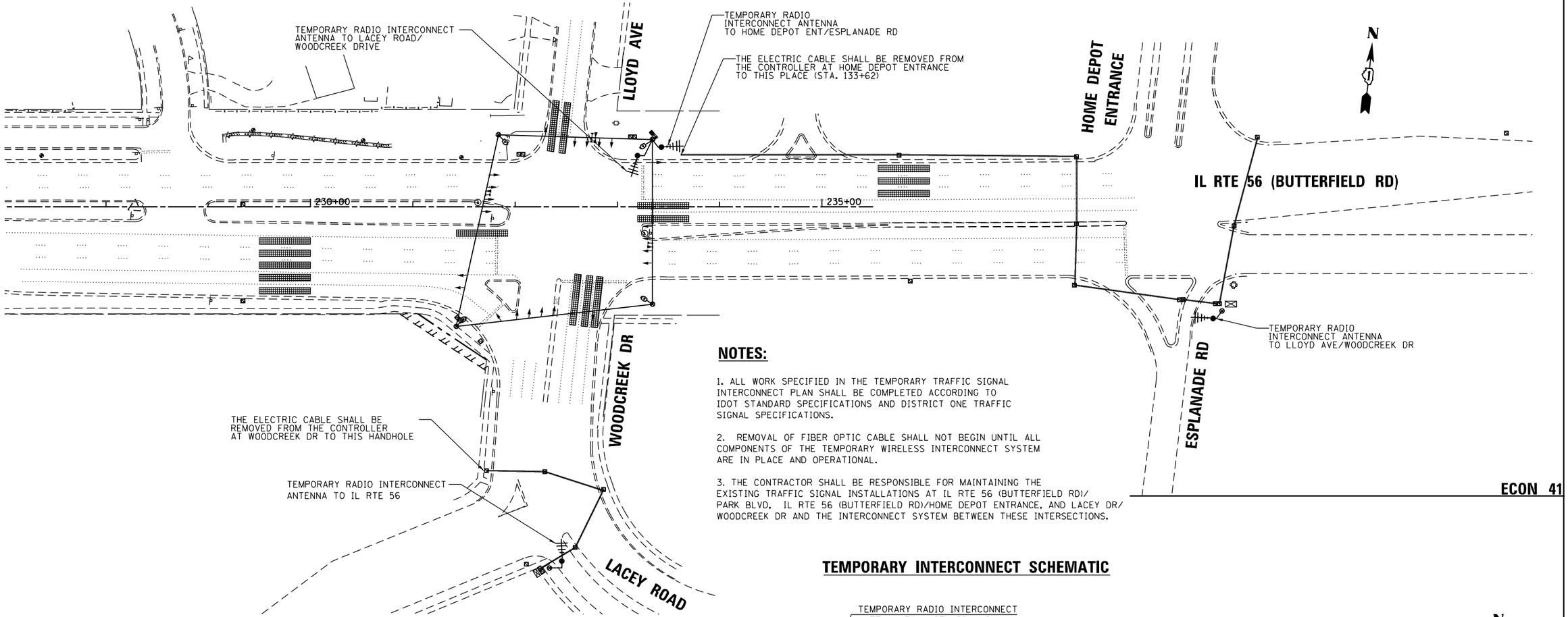
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SYSTEM
IL ROUTE 56 (BUTTERFIELD RD)
FROM PARK BLVD TO IL ROUTE 53

SCALE: 1"=50' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	258
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-TINTC01_Intcon.dgn



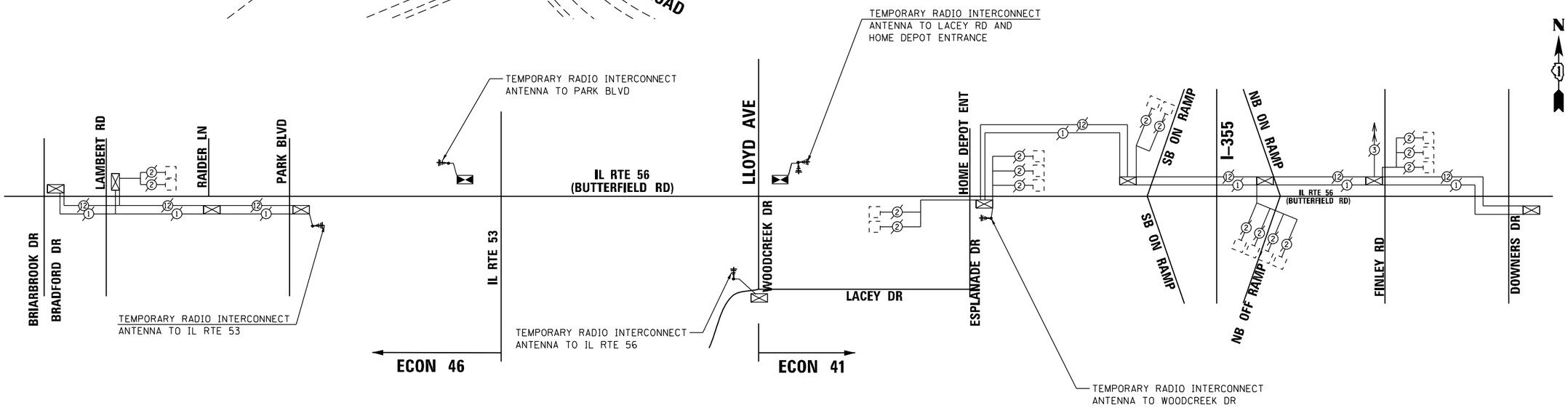
NOTES:

1. ALL WORK SPECIFIED IN THE TEMPORARY TRAFFIC SIGNAL INTERCONNECT PLAN SHALL BE COMPLETED ACCORDING TO IDOT STANDARD SPECIFICATIONS AND DISTRICT ONE TRAFFIC SIGNAL SPECIFICATIONS.

2. REMOVAL OF FIBER OPTIC CABLE SHALL NOT BEGIN UNTIL ALL COMPONENTS OF THE TEMPORARY WIRELESS INTERCONNECT SYSTEM ARE IN PLACE AND OPERATIONAL.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING TRAFFIC SIGNAL INSTALLATIONS AT IL RTE 56 (BUTTERFIELD RD)/ PARK BLVD, IL RTE 56 (BUTTERFIELD RD)/HOME DEPOT ENTRANCE, AND LACEY DR/ WOODCREEK DR AND THE INTERCONNECT SYSTEM BETWEEN THESE INTERSECTIONS.

TEMPORARY INTERCONNECT SCHEMATIC



TS SHT NO. 23

FILE NAME = D160P75-TINTC02.Intcon.dgn
PLOT SCALE = 100.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = Jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

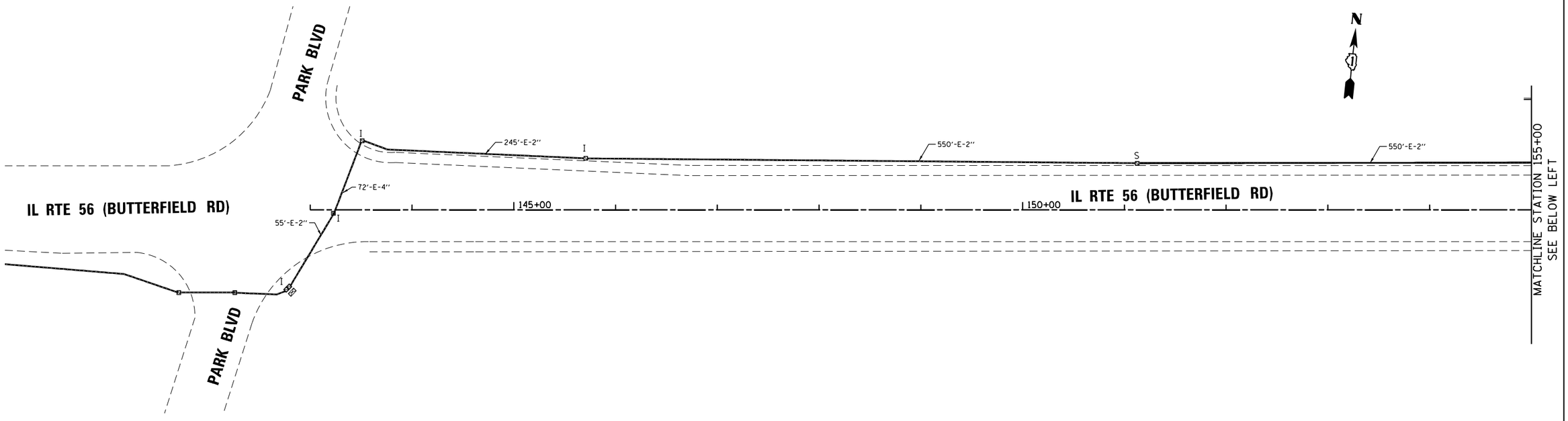
TEMPORARY INTERCONNECT SYSTEM/SCHEMATIC PLAN
IL ROUTE 56 (BUTTERFIELD RD)
FROM LLOYD AVE /WOODCREEK RD TO HOME DEPOT ENTRANCE /ESPLANADE RD

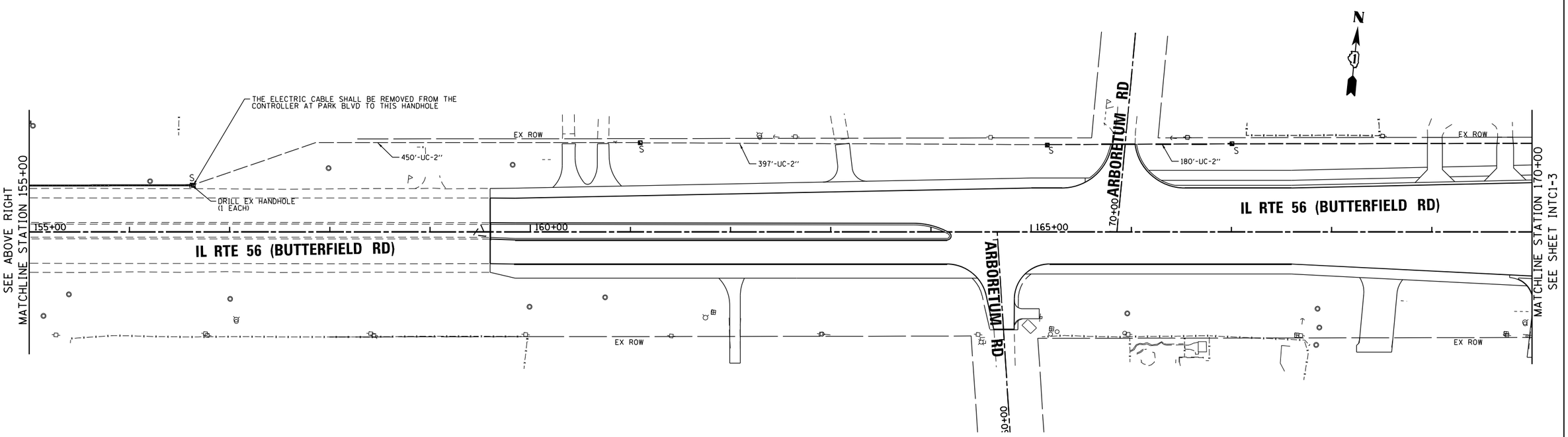
SCALE: 1"=50' | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	259
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-TINTC02_Intcon.dgn

INTC1-1





TS 7835
ECON 46

TS SHT NO. 24

FILE NAME = $FILE$
PLOT SCALE = 100.0000 ' / in.
USER NAME = $USERNAME$

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME =	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE =	CHECKED - TN	REVISED -
PLOT DATE =	DATE - 07/01/2022	REVISED -

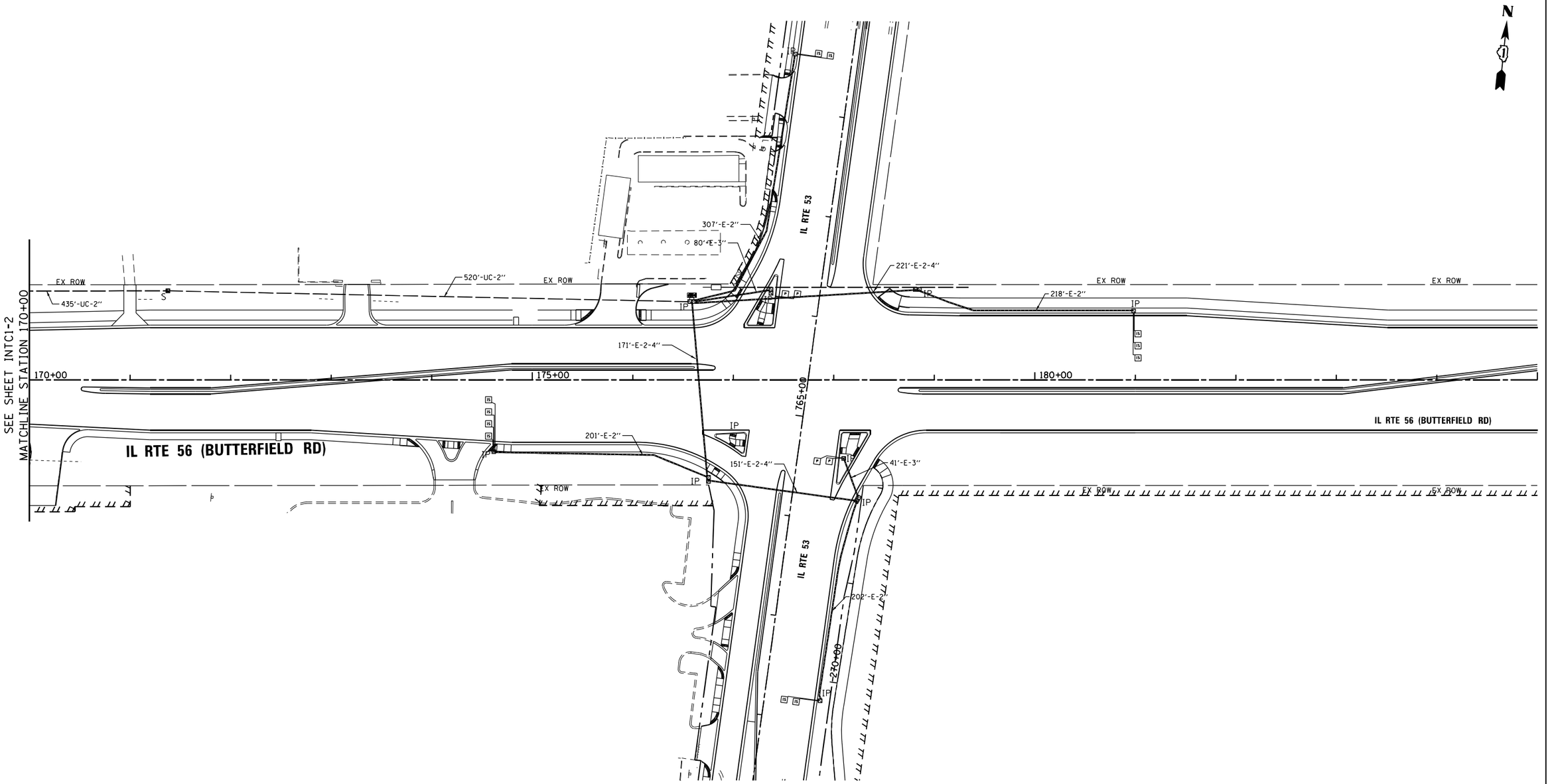
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL ROUTE 56 (BUTTERFIELD RD)
FROM PARK BLVD TO IL ROUTE 53

SCALE: 1"=50' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	260
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

$FILE$



TS SHT NO. 25

FILE NAME = $FILE$
PLOT SCALE = $XDIMM$ / $YDIMM$
USER NAME = $USERNAME$

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME =	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE =	CHECKED - TN	REVISED -
PLOT DATE =	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

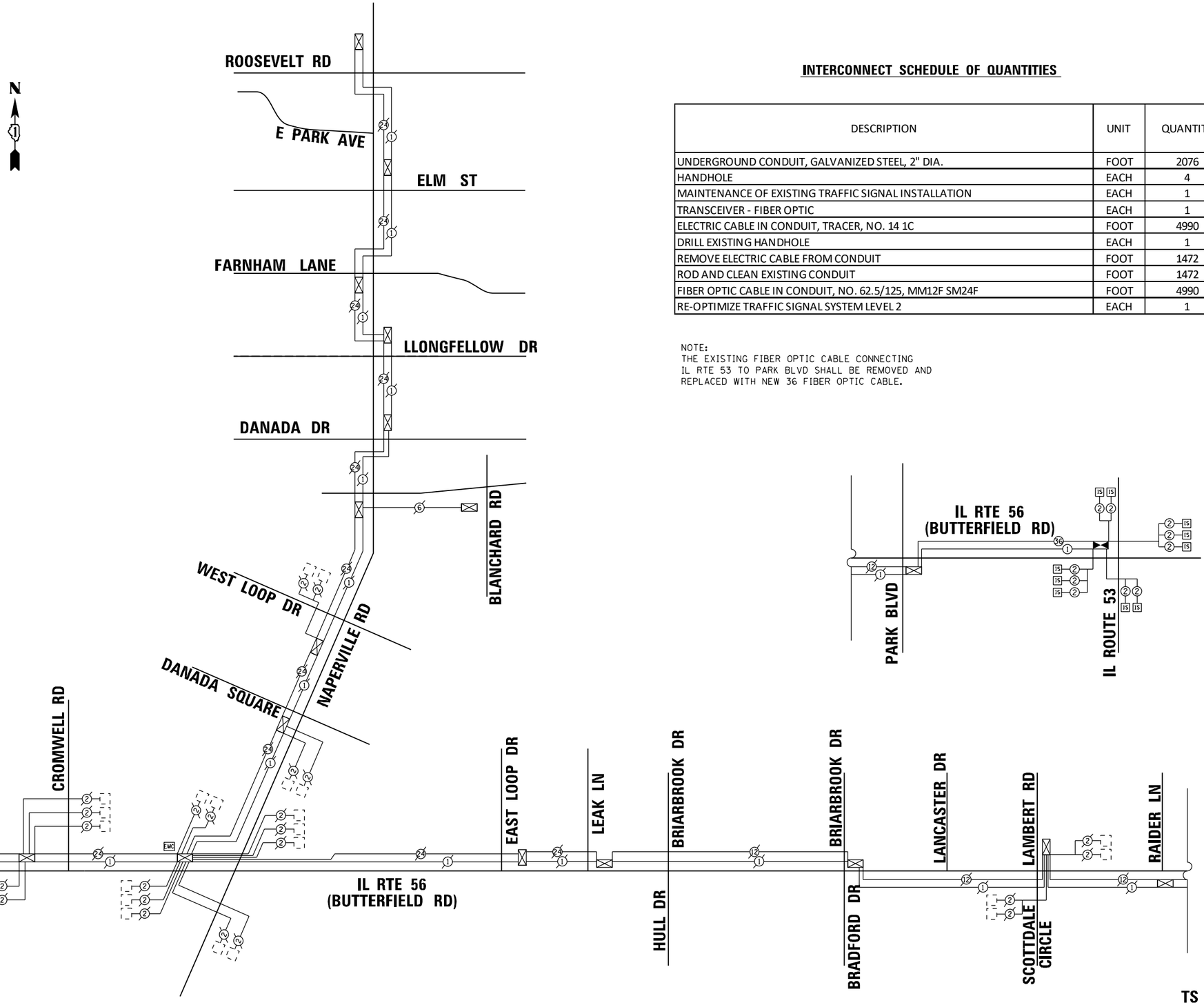
INTERCONNECT PLAN
IL ROUTE 56 (BUTTERFIELD RD)
FROM PARK BLVD TO IL ROUTE 53

SCALE: 1"=50' | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	261
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TS 7835
ECON 46

$FILE$



INTERCONNECT SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2076
HANDHOLE	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4990
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1472
ROD AND CLEAN EXISTING CONDUIT	FOOT	1472
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4990
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

NOTE:
THE EXISTING FIBER OPTIC CABLE CONNECTING
IL RTE 53 TO PARK BLVD SHALL BE REMOVED AND
REPLACED WITH NEW 36 FIBER OPTIC CABLE.

TS 7835
ECON 46

TS SHT NO. 26

FILE NAME = D160P75-INTC13.Schematic.dgn
PLOT STYLE = Millennia Professional Services
USER NAME =

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

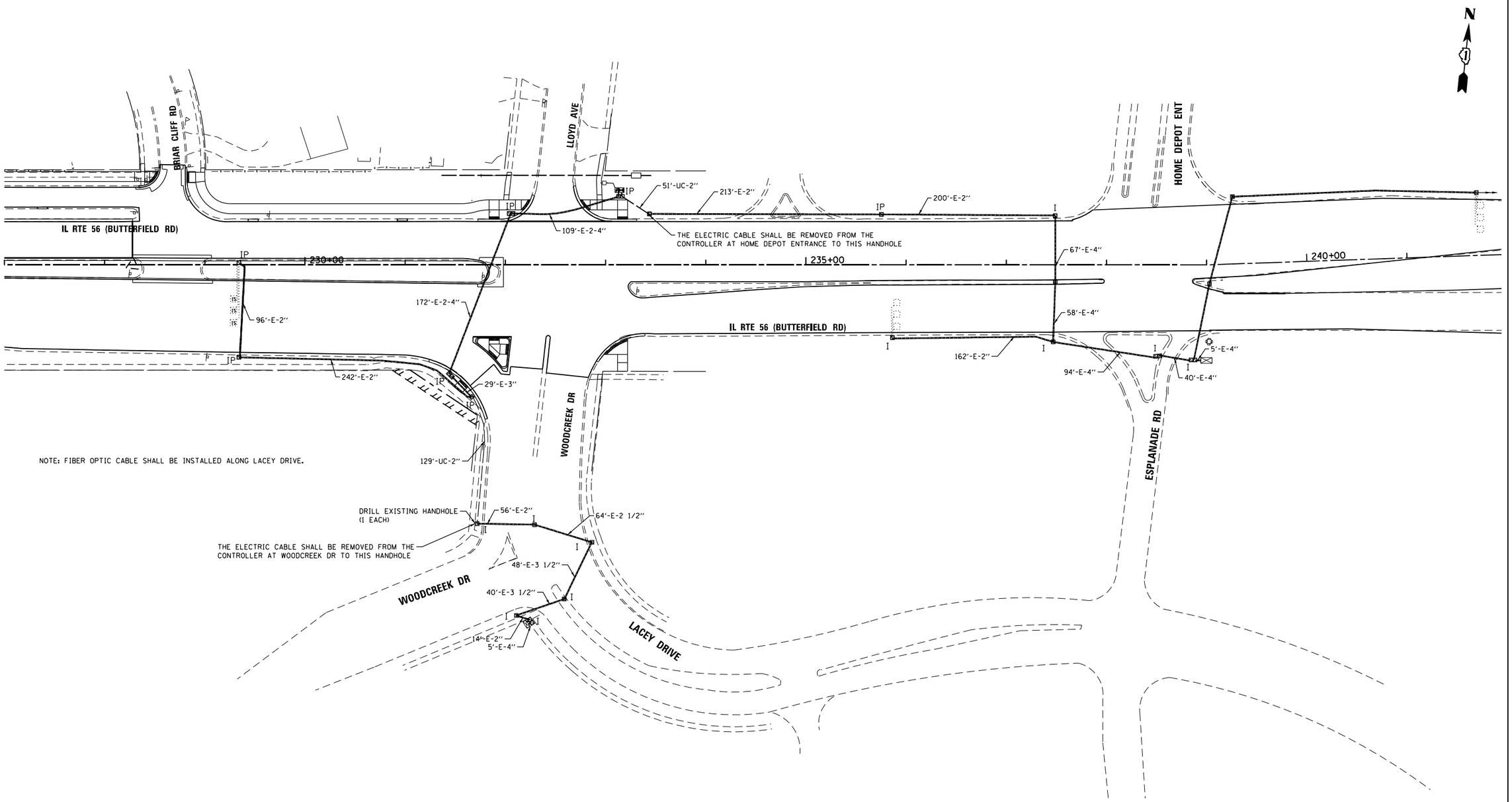
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
IL ROUTE 56 (BUTTERFIELD RD)
NAPERVILLE ROAD TO ILLINOIS ROUTE 53

SCALE: N/A | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	262
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-INTC13.Schematic.dgn



TS 6350
ECON 41

TS SHT NO. 27

FILE NAME = $FILE$
PLOT SCALE = 100.000 ' / in.
USER NAME = $USERNAME$

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME =	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE =	CHECKED - TN	REVISED -
PLOT DATE =	DATE - 07/01/2022	REVISED -

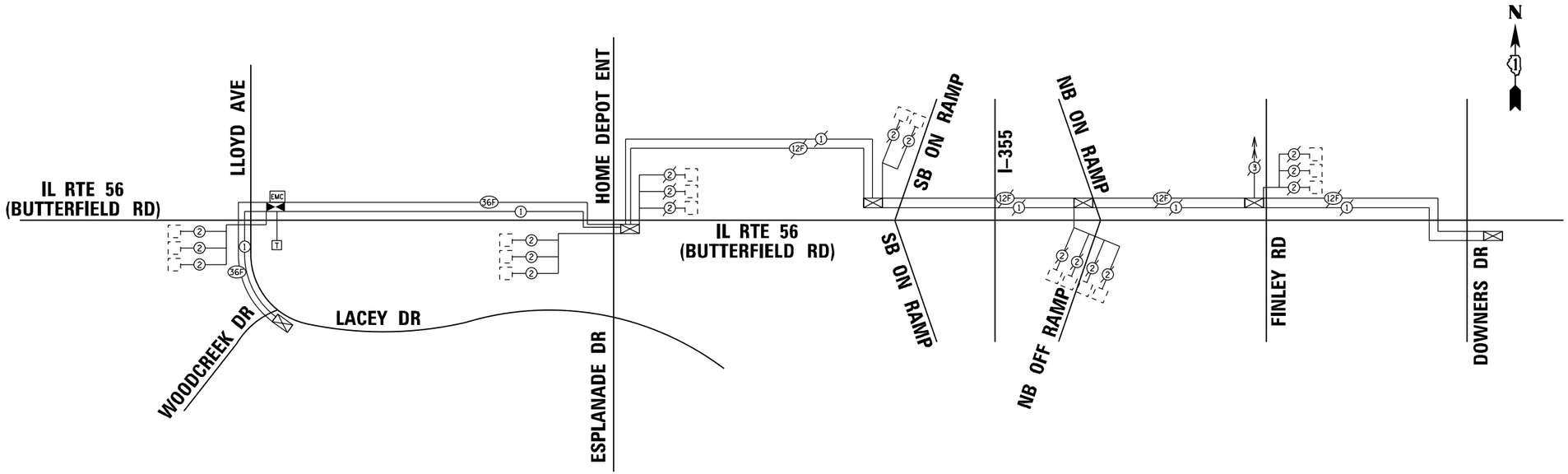
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL ROUTE 56 (BUTTERFIELD RD)
FROM LLOYD AVE /WOODCREEK RD TO HOME DEPOT ENTRANCE /ESPLANADE RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)IR-4	DUPAGE	529	263
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

$FILE$



NOTES:

1. THE EXISTING TRAFFIC SIGNAL AT WOODCREEK DRIVE AND LACEY ROAD IS MAINTAINED BY THE VILLAGE OF DOWNERS GROVE.

2. THE EXISTING FIBER OPTIC CABLE CONNECTING LLOYD AVE TO WOODCREEK DR AND TO HOME DEPOT ENTRANCE SHALL BE REMOVED AND REPLACED WITH NEW 36 FIBER OPTIC CABLE.

3. THE EXISTING MASTER CONTROLLER SHALL BE REUSED/RELOCATED

4. THE EXISTING TELEPHONE LINE TO BE RECONNECTED. NO NEW TELEPHONE LINE SHOULD BE INSTALLED.

5. THE EXISTING MASTER CONTROLLER SHALL BE REUSED/RELOCATED.

INTERCONNECT SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	180
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1689
87900200	DRILL EXISTING HANDHOLE	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1066
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	1066
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1689
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 6350
ECON 41

TS SHT NO. 28

FILE NAME = D160P75-INTC22.Schematic.dgn
PLOT SCALE = 100.0000 ' / in.
USER NAME = Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

USER NAME = jpham	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 6/22/2022	DATE - 07/01/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
IL ROUTE 56 (BUTTERFIELD RD)
LLOYD AVE TO DOWNERS DRIVE

SCALE: N/A | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)IR-4	DUPAGE	529	264
		CONTRACT NO. 60P75		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

D160P75-INTC22.Schematic.dgn

GENERAL NOTES:

1. THIS PROJECT INCLUDES THE INSTALLATION OF A NEW LIGHTING SYSTEM AT THE INTERSECTION OF IL ROUTE 53 AND IL ROUTE 56. PROPOSED LIGHTING SHALL BE OWNED AND MAINTAINED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION.

2. MEADE ELECTRIC CO. DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES. CALL MEADE ELECTRIC CO. TRANSFER IDOT MAINTAINED EQUIPMENT TO THE CONTRACTOR BEFORE THE START OF ANY WORK. THEIR PHONE NUMBER IS 773-287-7672.

3. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRIC SERVICE WORK. THE FIELD CONTACT PERSON IS JOSE MOLINA AT (312) 257-1112. REGARDING THE TEMPORARY ELECTRIC SERVICE REFERENCE ACT. NO. 6633146019. FOR PERMANENT ELECTRIC SERVICE REFERENCE ACT. NO. 2313066145. THE ARRANGEMENTS FOR TEMPORARY ELECTRIC SERVICE SHALL BE MADE AS SOON AS POSSIBLE. THE EXISTING LIGHTING MAY NOT BE REMOVED UNTIL THE TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL.

4. THE QUANTITIES OF RACEWAY WHEREVER INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

5. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.

6. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS INSTALLATION AS SHOWN ON THE PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING ANY CONSTRUCTION WORK. IT SHALL ALSO BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION ACTIVITIES.

7. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".

8. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.

9. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.

10. THE CONTRACTOR SHALL TAKE PRECAUTION WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1230
UNIT DUCT, 600V, 3-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE) , 1 1/4" DIA. POLYETHYLENE	FOOT	7879
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3048
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350 MCM	FOOT	90
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	6995
LUMINAIRE, LED, ROADWAY OUTPUT DESIGNATION H	EACH	42
LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLT, 200 AMP (DUAL)	EACH	1
LIGHT POLE, ALUMINUM, 47.5FT. M.H. 15FT. MAST ARM	EACH	38
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	36
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH TWO 15FT MAST ARM	EACH	4
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10"x8'	EACH	40
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	38
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	40
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	22
REMOVAL OF POLE FOUNDATION	EACH	18
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
TEMPORARY WOOD POLE, 60FT, CLASS 4	EACH	1
REMOVAL OF TEMPORARY LIGHTING CONTROLLER, NO SALVAGE	EACH	1
REMOVAL OF LUMINAIRE, SALVAGE	EACH	22
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATED H	EACH	44
TEMPORARY LIGHTING CONTROLLER	EACH	1
COMBINATION LIGHTING CONTROLLER	EACH	1
REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	42
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24

LEGEND

- PROPOSED LIGHTING UNIT, 47.5 FT MH, 15 FT MAST ARM 240V (LINE TO NEUTRAL) LED LUMINAIRE WITH BREAKAWAY DEVICE
- PROPOSED COMBINATION SIGNAL/LIGHT POLE: 45 FT MH, 15 FT MAST ARM, 120V (LINE TO NEUTRAL) LED LUMINAIRE
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING COMBINATION SIGNAL/LIGHT POLE, TO BE REMOVED AND ONLY LUMINAIRE SALVAGED
- TEMPORARY WOOD POLE, 50 FT MH, 2-15 FT MAST ARMS (UNLESS OTHERWISE INDICATED) 240V, MCIII LED LUMINAIRES (LUMINAIRES ORIENTED PER PLAN)
- TEMPORARY WOOD POLE, 50 FT MH, 15 FT MAST ARM WITH 240V, MCIII LED LUMINAIRE
- UNIT DUCT, 600V, 3-1/C #4, 1/C #6 GROUND (XLP-TYPE USE) 1 1/4" DIA. POLYETHYLENE
- A/C — AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE
- COMED ELECTRIC SERVICE POLE 240/480V, 1 PHASE 3 WIRE
- PROPOSED LIGHTING CONTROLLER "DM" 240/480V, 3 WIRE 200 AMP, PAD MOUNTED
- T — TEMPORARY LIGHTING CONTROLLER "T"
- R — EXISTING LIGHTING CONTROLLER TO BE REMOVED, AND SALVAGED
- RIGID GALVANIZED STEEL CONDUIT
- ELECTRIC CABLE IN CONDUIT 4" DIA., 3-1/C NO. 350 MCM
- GROUND ROD 5/8" DIA. X 10 FT

LT–1

MODEL: \MODELNAME\
FILE NAME: D:\60P75_Lts-1.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

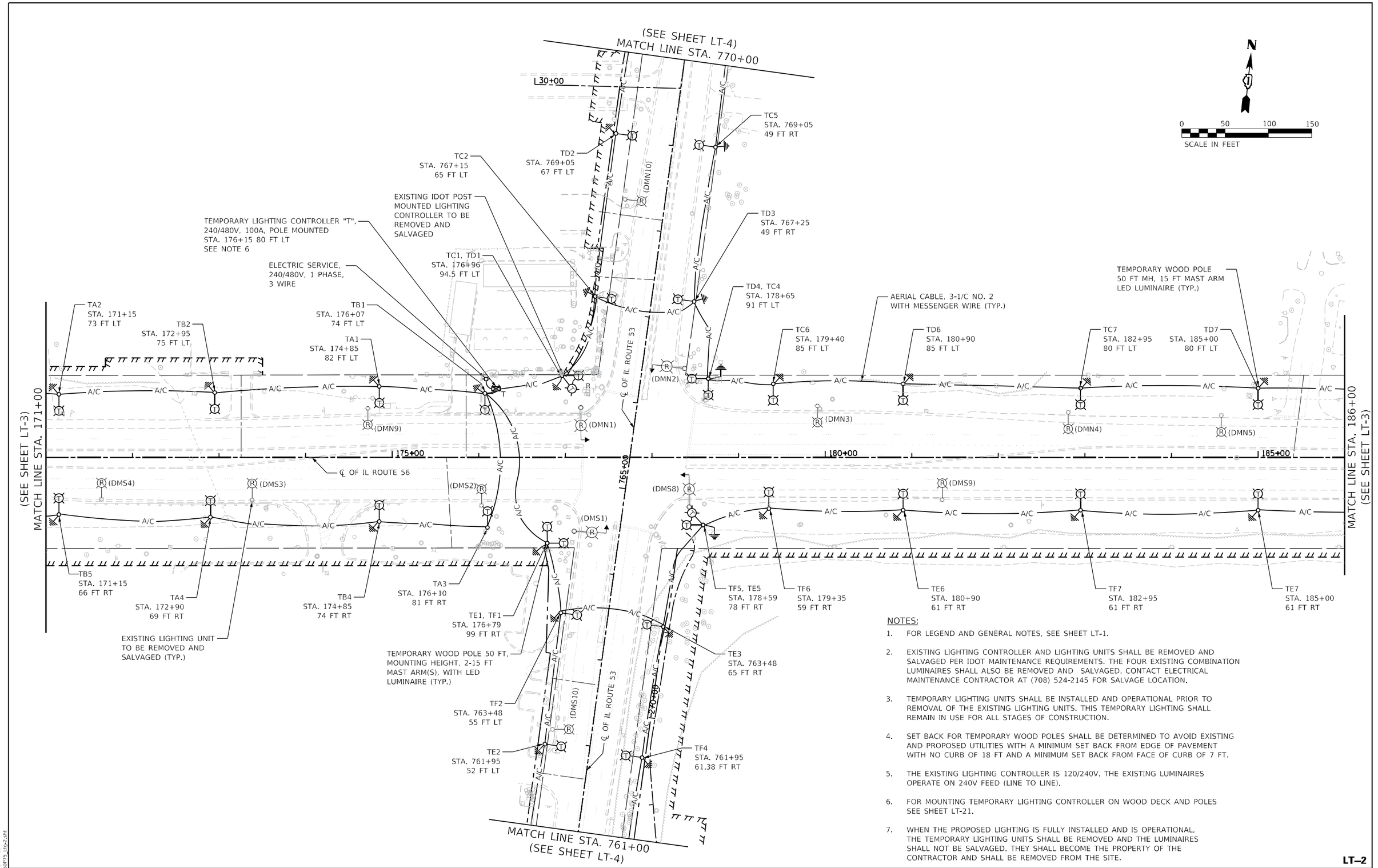
USER NAME = mdeitche	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -	
PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, BILL OF MATERIALS AND LEGEND
IL ROUTE 53 AT IL ROUTE 56

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	265
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. FOR LEGEND AND GENERAL NOTES, SEE SHEET LT-1.
2. EXISTING LIGHTING CONTROLLER AND LIGHTING UNITS SHALL BE REMOVED AND SALVAGED PER IDOT MAINTENANCE REQUIREMENTS. THE FOUR EXISTING COMBINATION LUMINAIRES SHALL ALSO BE REMOVED AND SALVAGED. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR AT (708) 524-2145 FOR SALVAGE LOCATION.
3. TEMPORARY LIGHTING UNITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF THE EXISTING LIGHTING UNITS. THIS TEMPORARY LIGHTING SHALL REMAIN IN USE FOR ALL STAGES OF CONSTRUCTION.
4. SET BACK FOR TEMPORARY WOOD POLES SHALL BE DETERMINED TO AVOID EXISTING AND PROPOSED UTILITIES WITH A MINIMUM SET BACK FROM EDGE OF PAVEMENT WITH NO CURB OF 18 FT AND A MINIMUM SET BACK FROM FACE OF CURB OF 7 FT.
5. THE EXISTING LIGHTING CONTROLLER IS 120/240V. THE EXISTING LUMINAIRES OPERATE ON 240V FEED (LINE TO LINE).
6. FOR MOUNTING TEMPORARY LIGHTING CONTROLLER ON WOOD DECK AND POLES SEE SHEET LT-21.
7. WHEN THE PROPOSED LIGHTING IS FULLY INSTALLED AND IS OPERATIONAL, THE TEMPORARY LIGHTING UNITS SHALL BE REMOVED AND THE LUMINAIRES SHALL NOT BE SALVAGED. THEY SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

LT–2

MODEL: SHODELNAME5
FILE NAME: D:\60P75_ltp2.sht

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

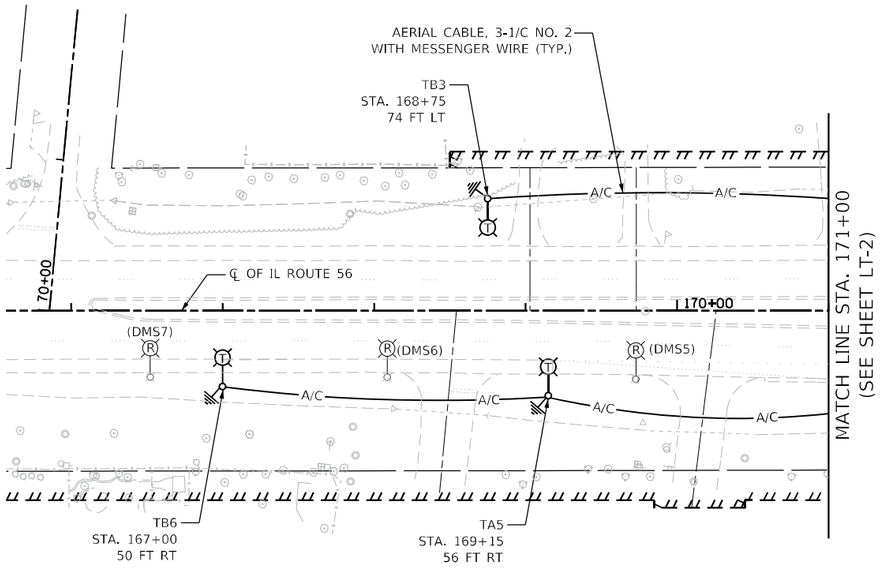
USER NAME = mdeitche	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -	
PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -	

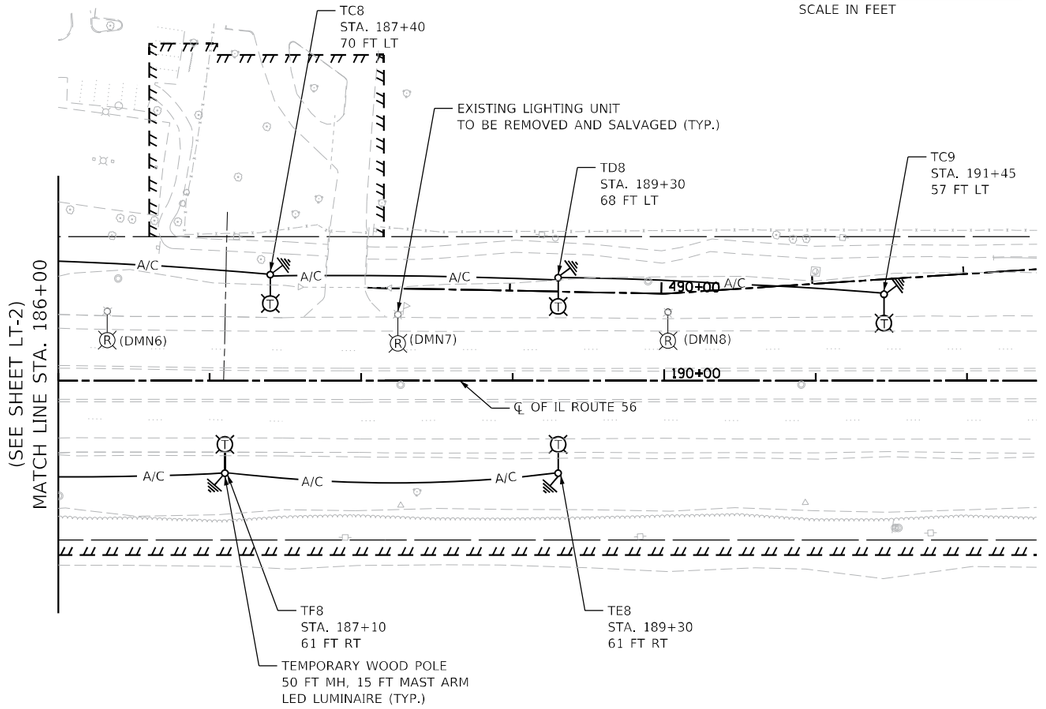
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

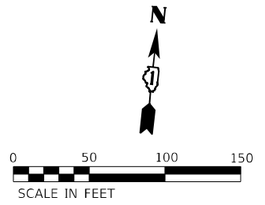
REMOVAL AND TEMPORARY LIGHTING PLAN
IL ROUTE 53 AT IL ROUTE 56

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	266
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			







NOTES:

1. FOR LEGEND AND GENERAL NOTES, SEE SHEET LT-1.

LT–3

MODEL: sMODELNAME=
FILE NAME: D:\60P75_Lt-3.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

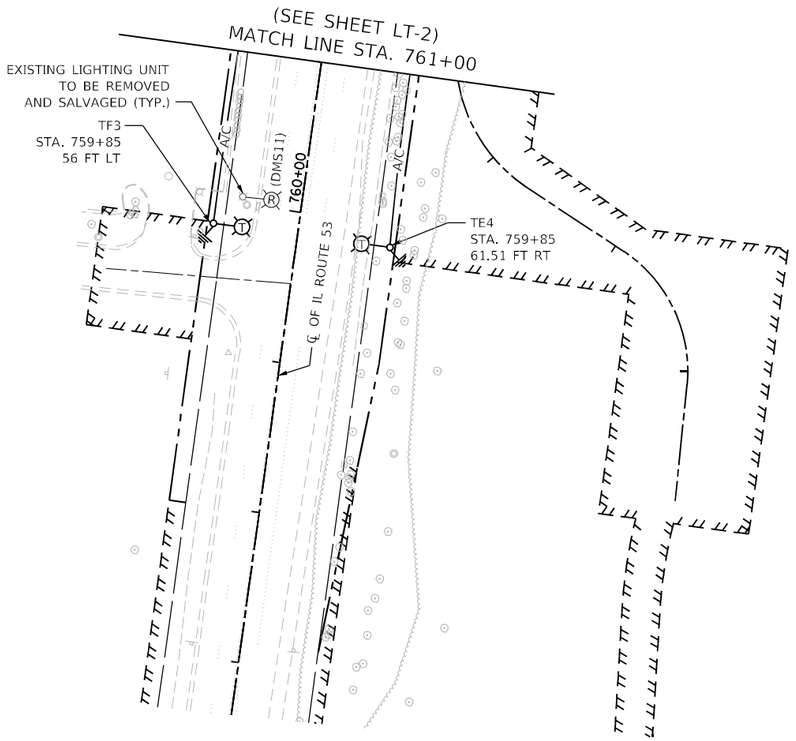
USER NAME = mdeitche	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -	
PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -	

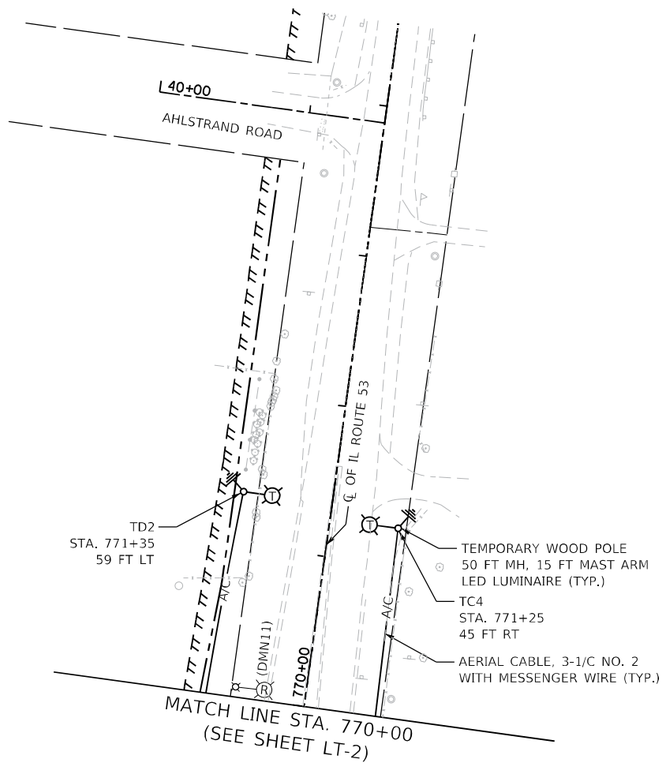
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

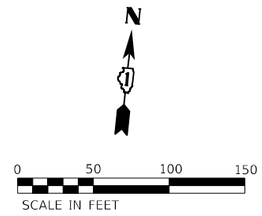
REMOVAL AND TEMPORARY LIGHTING PLAN
IL ROUTE 53 AT IL ROUTE 56

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	267
		CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	







NOTES:

1. FOR LEGEND AND GENERAL NOTES, SEE SHEET LT-1.

LT–4

MODEL: sPOPELNAME=
FILE NAME: D160P75_LTs-4.sht

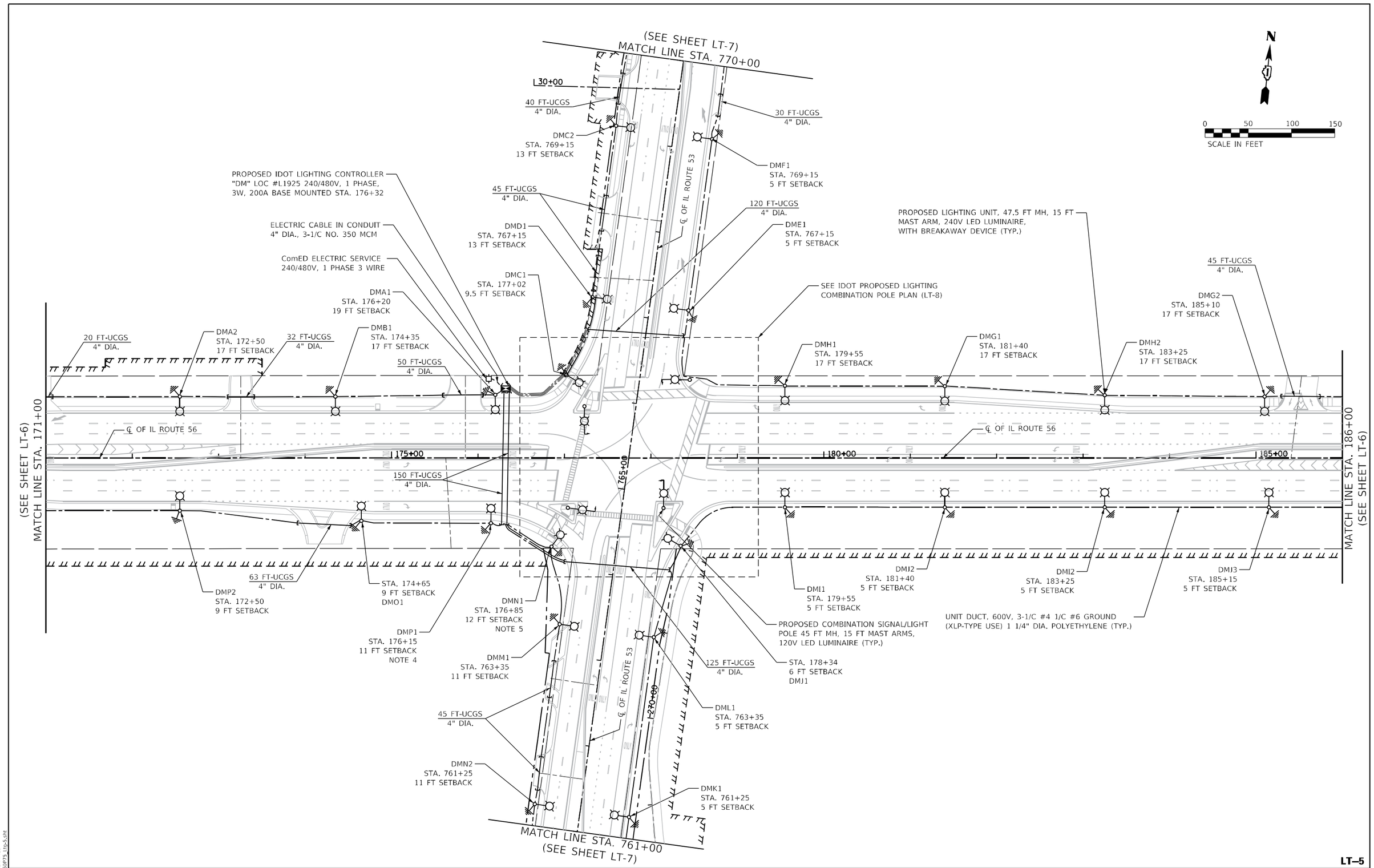
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeitche	DESIGNED - BL	REVISED -
		DRAWN - MD	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -
	PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND TEMPORARY LIGHTING PLAN
IL ROUTE 53 AT IL ROUTE 56

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	268
		CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	



LT–5

MODEL: sPODELNAME5
FILE NAME: D160P75_ltp-5.sht

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

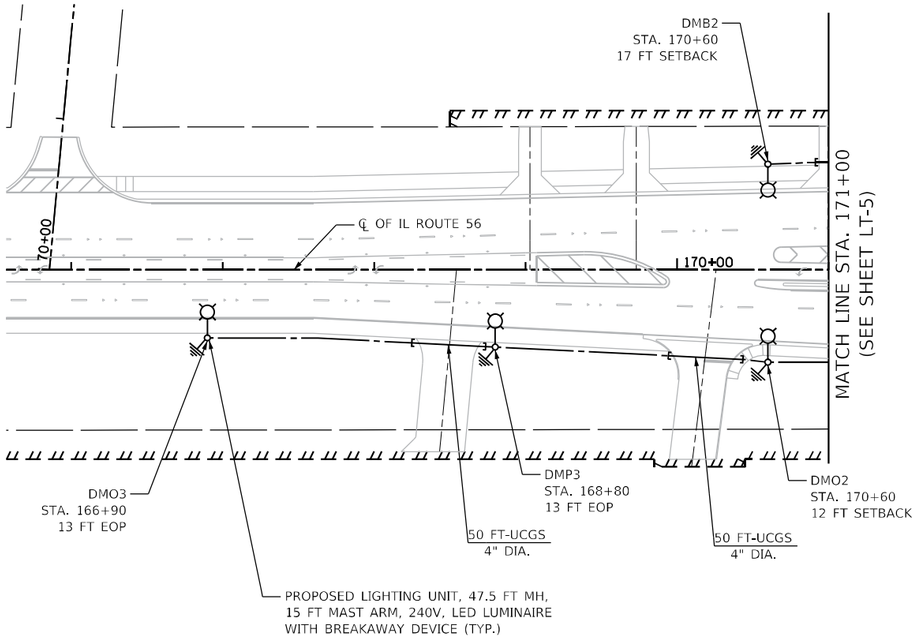
USER NAME = mdeitche	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -	
PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -	

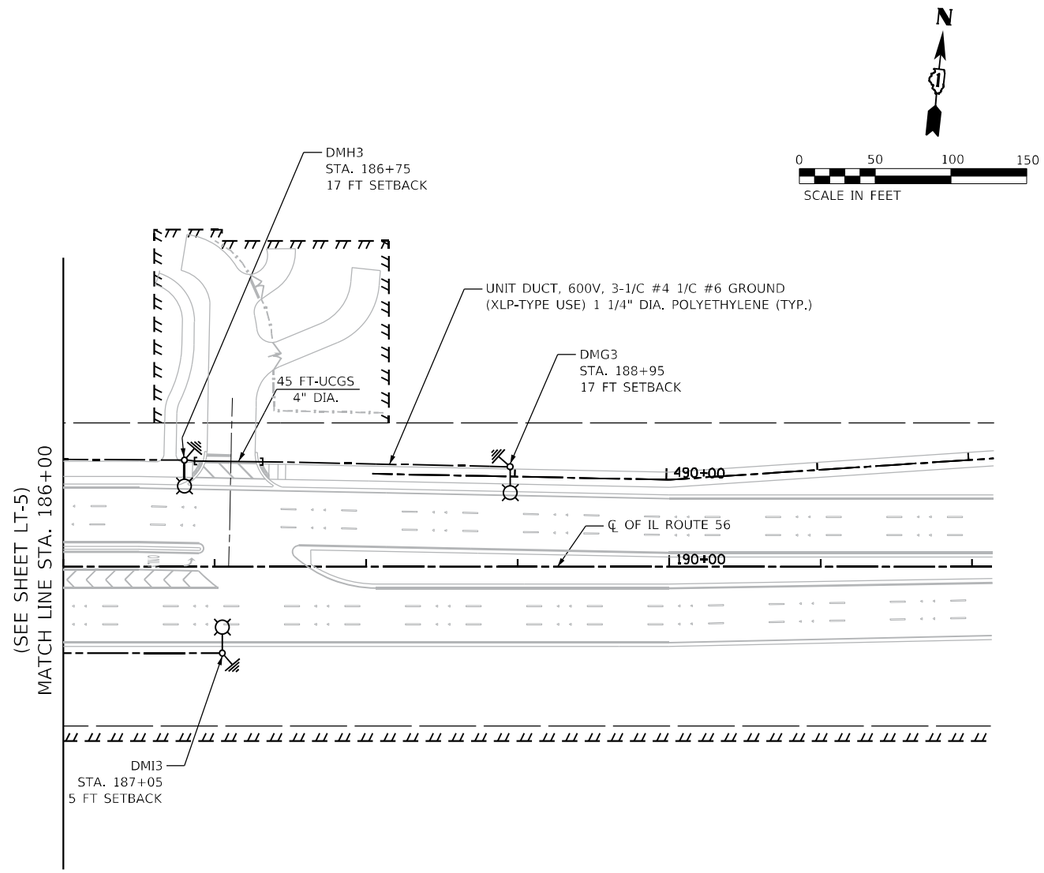
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
IL ROUTE 53 AT IL ROUTE 56

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	269
		CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	





NOTES:

1. FOR LEGEND AND GENERAL NOTES SEE SHEET LT-1.
2. SET BACK IS FROM THE FACE OF CURB TO THE CENTER OF LIGHT POLE.
3. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.

MODEL: sMODELNAME=
FILE NAME= D:\60P75_Lts-6.dnt

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

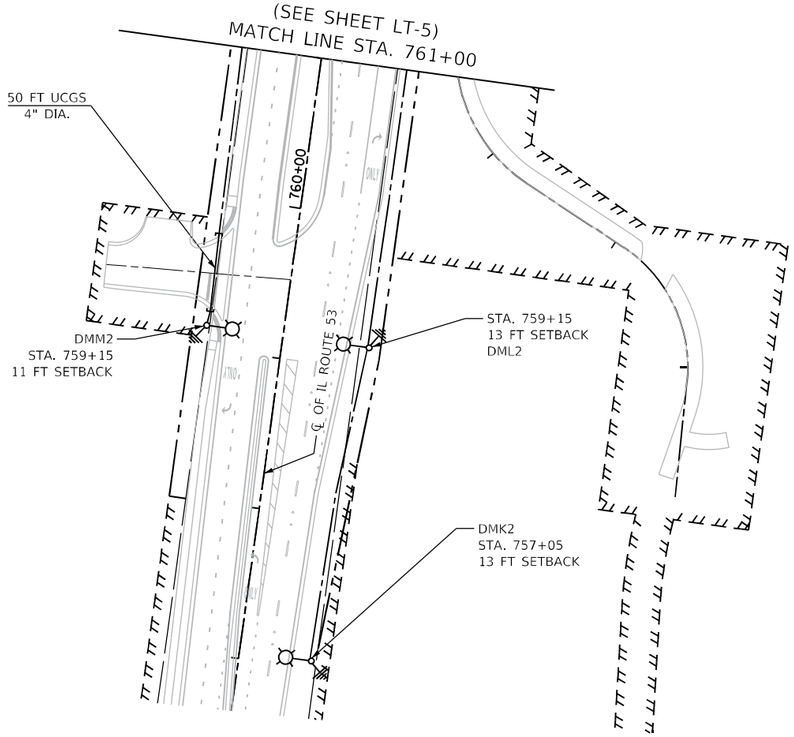
USER NAME = mdeitche	DESIGNED - BL	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -
PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -

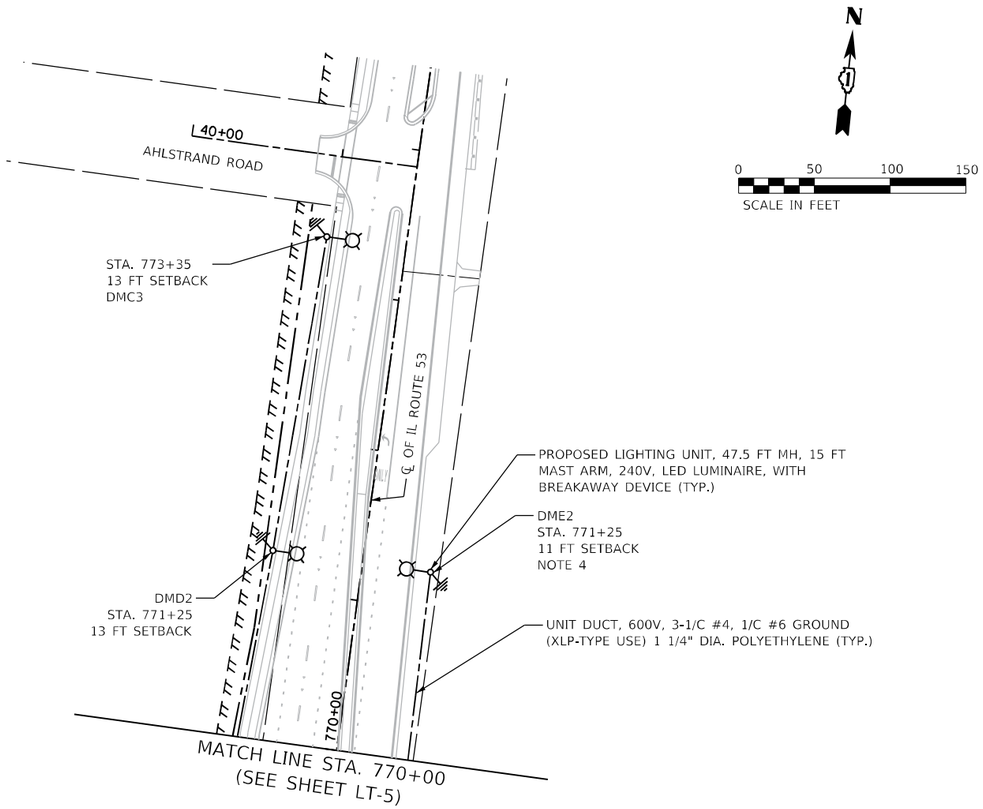
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
IL ROUTE 53 AT IL ROUTE 56

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	270
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		





NOTES:

1. FOR LEGEND AND GENERAL NOTES SEE SHEET LT-1.
2. SET BACK IS FROM THE FACE OF CURB TO THE CENTER OF LIGHT POLE.
3. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
4. THE CONTRACTOR SHALL TAKE PROPER PRECAUTION WITH THE POLE INSTALLATION NEAR THE EXISTING WATERMAIN.

LT–7

MODEL: sMODELNAME
FILE NAME: D160P75_Ltg-7.sht

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeitche	DESIGNED - BL	REVISED -
		DRAWN - MD	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -
	PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

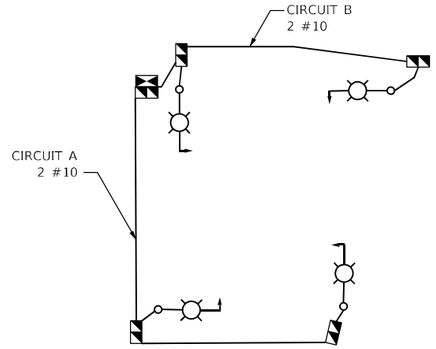
PROPOSED LIGHTING PLAN
IL ROUTE 53 AT IL ROUTE 56

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	271
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

LEGEND

IDOT COMBINATION SIGNAL/LIGHT POLE: 45 FT MOUNTING HEIGHT, 15 FT MAST ARM. 120V (LINE TO NEUTRAL) LED LUMINAIRE, WITH 6 AMP FUSE AND NEUTRAL SLUG



SINGLE LINE WIRING DIAGRAM

B1 IDOT COMBO POLE

IDOT COMBO 120V LIGHTING CONTROLLER LOCATED INSIDE TRAFFIC CABINET

B2 IDOT COMBO POLE

175+00

180+00

765+00

℄ OF IL ROUTE 56

2 #10 ELECTRIC CABLE IN 4" CONDUIT

A1 IDOT COMBO POLE

A2 IDOT COMBO POLE

PROPOSED COMBO LIGHTING CABLE IN CONDUIT 2 #10 ROUTED THRU TRAFFIC CONDUIT. SEE TRAFFIC PLANS FOR CONDUIT SIZE AND CONDUIT ROUTE

℄ OF IL ROUTE 53

270+00

IDOT COMBO LIGHTING SCHEDULE OF QUANTITIES		
DESCRIPTION	UNIT	QNTY.
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4
ELECTRICAL CABLE IN CONDUIT, 600V, (XLP TYPE USE) 1/C NO. 10	FOOT	3048

NOTES:

1. LUMINAIRES POWERED FROM IDOT TRAFFIC CONTROLLER. SEE DETAIL BE-240.
2. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
3. SEE TRAFFIC PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
4. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES CIRCUITING DECALS SHOWN FOR GUIDANCE ONLY.
5. THE UNDERGROUND EQUIPMENT GROUNDING CONDUCTOR CABLE IS PROVIDED FOR AND SHOWN IN THE SIGNAL PLANS.

SCALE IN FEET
0 30 50 100

LT–8

MODEL: $MODELNAME$
FILE NAME: D:\60P75_ltg-8.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = mdeitche	DESIGNED - BL	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = 60.0000 ' / in.	CHECKED - MB	REVISED -
PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT PROPOSED LIGHTING COMBINATION POLE PLAN
IL ROUTE 53 AT IL ROUTE 56

SCALE: 1"=30' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

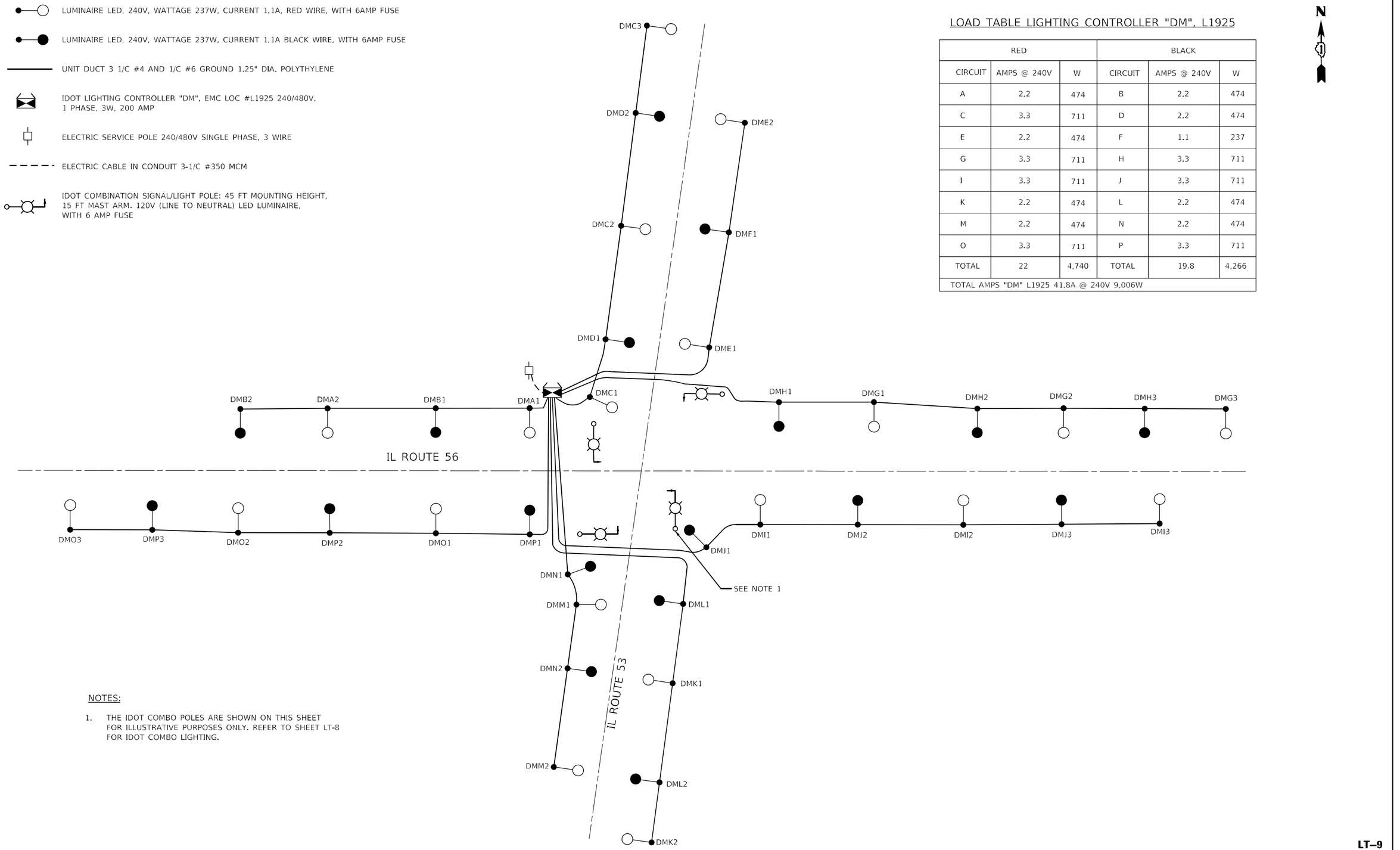
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	272
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

LEGEND

- LUMINAIRE LED, 240V, WATTAGE 237W, CURRENT 1.1A, RED WIRE, WITH 6AMP FUSE
- LUMINAIRE LED, 240V, WATTAGE 237W, CURRENT 1.1A BLACK WIRE, WITH 6AMP FUSE
- UNIT DUCT 3 1/C #4 AND 1/C #6 GROUND 1.25" DIA. POLYTHYLENE
- IDOT LIGHTING CONTROLLER "DM", EMC LOC #L1925 240/480V, 1 PHASE, 3W, 200 AMP
- ELECTRIC SERVICE POLE 240/480V SINGLE PHASE, 3 WIRE
- ELECTRIC CABLE IN CONDUIT 3-1/C #350 MCM
- IDOT COMBINATION SIGNAL/LIGHT POLE: 45 FT MOUNTING HEIGHT, 15 FT MAST ARM. 120V (LINE TO NEUTRAL) LED LUMINAIRE, WITH 6 AMP FUSE

LOAD TABLE LIGHTING CONTROLLER "DM", L1925

RED			BLACK		
CIRCUIT	AMPS @ 240V	W	CIRCUIT	AMPS @ 240V	W
A	2.2	474	B	2.2	474
C	3.3	711	D	2.2	474
E	2.2	474	F	1.1	237
G	3.3	711	H	3.3	711
I	3.3	711	J	3.3	711
K	2.2	474	L	2.2	474
M	2.2	474	N	2.2	474
O	3.3	711	P	3.3	711
TOTAL	22	4,740	TOTAL	19.8	4,266
TOTAL AMPS "DM" L1925 41.8A @ 240V 9,006W					



NOTES:

1. THE IDOT COMBO POLES ARE SHOWN ON THIS SHEET FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO SHEET LT-8 FOR IDOT COMBO LIGHTING.

LT–9

MODEL: SMODELNAME5
FILE NAME: D:\60P75_Ltg-9.SHT

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = mdeitche	DESIGNED - BL	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -	
PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SINGLE LINE WIRING DIAGRAM
IL ROUTE 53 AT IL ROUTE 56

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	273
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

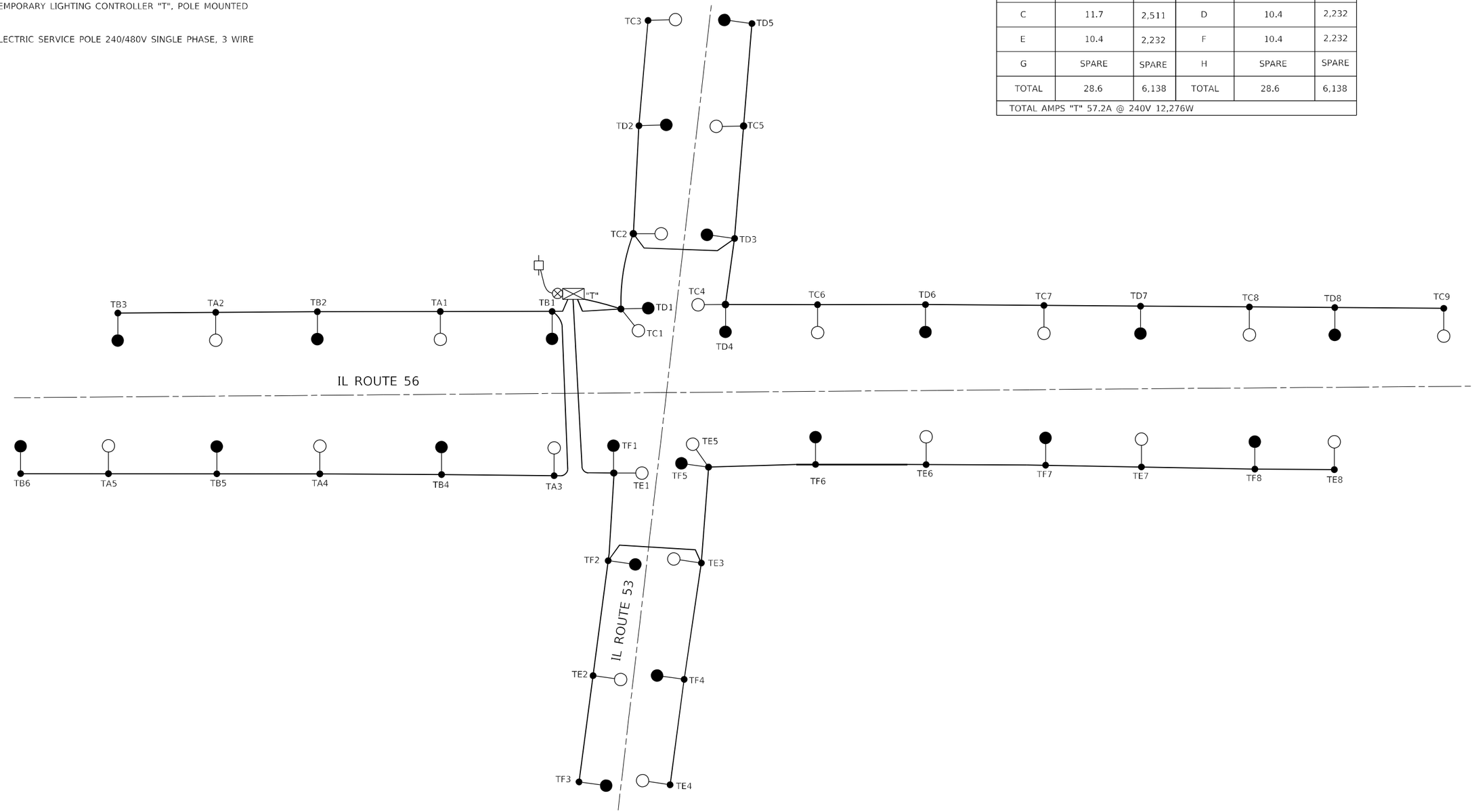
LEGEND

- LUMINAIRE LED, 240V, CURRENT 1.3A, RED WIRE
- LUMINAIRE LED, 240V, CURRENT 1.3A, BLACK WIRE
- AERIAL CABLE 3 1/C #2 WITH MESSENGER WIRE
- "T" TEMPORARY LIGHTING CONTROLLER "T", POLE MOUNTED
- ELECTRIC SERVICE POLE 240/480V SINGLE PHASE, 3 WIRE

LOAD TABLE TEMPORARY LIGHTING CONTROLLER "T"
240/480V, 1 PHASE, 3W, 100A

RED			BLACK		
CIRCUIT	AMPS @ 240V	W	CIRCUIT	AMPS @ 240V	W
A	6.5	1,395	B	7.8	1,674
C	11.7	2,511	D	10.4	2,232
E	10.4	2,232	F	10.4	2,232
G	SPARE	SPARE	H	SPARE	SPARE
TOTAL	28.6	6,138	TOTAL	28.6	6,138
TOTAL AMPS "T" 57.2A @ 240V 12,276W					

N



LT–10

MODEL: \MODELNAME\
FILE NAME: D:\60P75_LTG-10.SHT

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

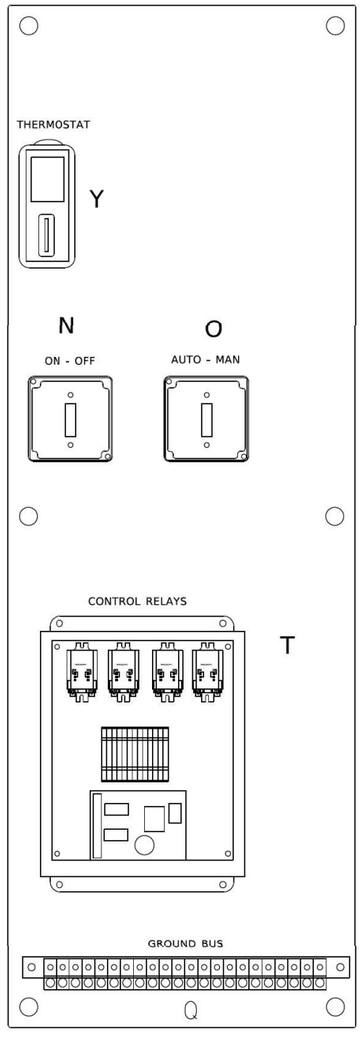
USER NAME = mdeitche	DESIGNED - BL	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MB	REVISED -
PLOT DATE = 6/17/2022	DATE - 07-01-22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

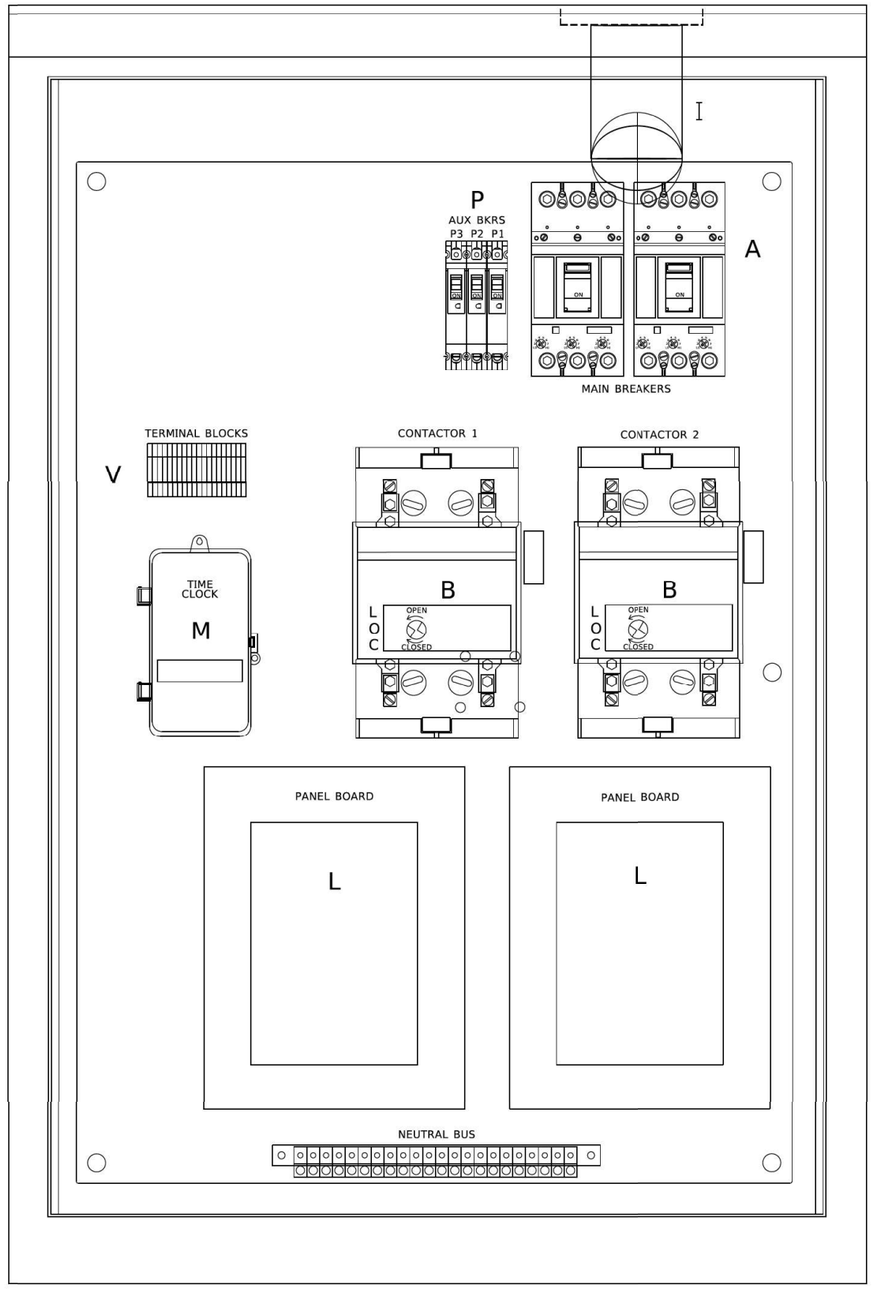
TEMPORARY SINGLE LINE WIRING DIAGRAM
IL ROUTE 53 AT IL ROUTE 56

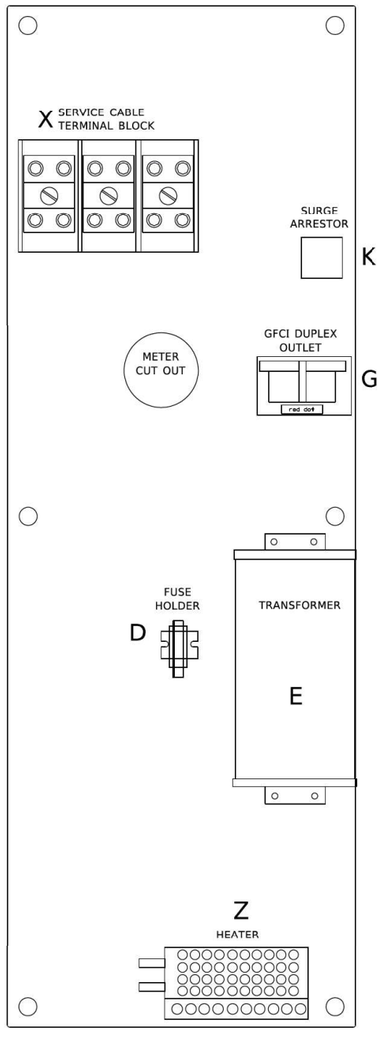
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	274
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



LEFT SIDE PANEL





RIGHT SIDE PANEL

BILL OF MATERIALS

ITEM *	QTY	DESCIPTION
A	2	MAIN BREAKERS 2 POLE 200 AMP WITH AUX CONTACT
B	2	MECHANICAL CONTRACTOR 2 POLE 200 AMP 240V COIL WITH AUX CONTACTS
D	1	SECTIONAL FUSE HOLDER
E	1	2.0 KVA 277V-240/120 TRASFORMER
G	1	15 AMP GFCI
H	2	DOOR SWITCH
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	MOMENTARY SWITCH ON - OF
O	1	DPDT 20 AMP AUTO-MANUAL
P1	1	BREAKER 1P 15A
P2	1	BREAKER 1P 15A
P3	1	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 X 16 X ¼
T	1	CONTROL RELAY ASSEMBLY 240V COILS WITH DPDT 25 AMP RELAYS (R1,R2,R3,R4). MOMENTARY CONTACT ADAPTER. QTY 12 TERMINAL BLOCKS
V	20	TERMINAL BLOCKS
X	1	620 AMP SPLICE BLOCK
Y	1	CHROMALOX WR 80, 40-80 DEG THERMOSTAT
Z	1	HEATREX 276-10 375 WATT HEATER

*

LT–11

AMES Engineering, Inc.
CONSULTING ENGINEERS
5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

USER NAME = footem]	DESIGNED -	REVISED - R. TOMSONS 03-29-12
	DRAWN - CADD	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE - 12-18-02	REVISED -

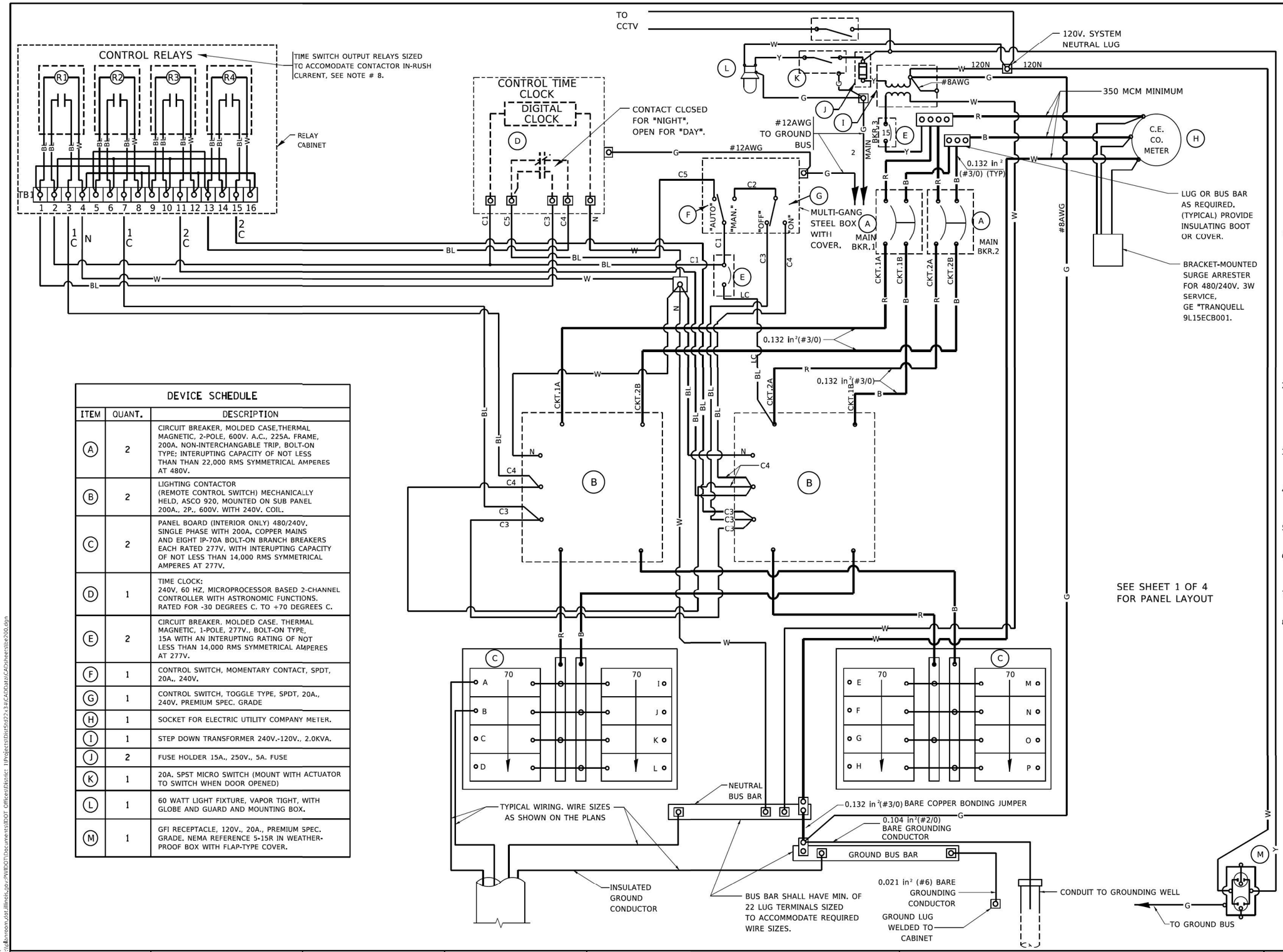
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)

SCALE: NONE | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	275
	E-200 (BE-200)	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: p:\vu\dunroom.dot.illinois.gov\PWROOT\Documents\IDOT Offices\District 1\Projects\Dist 1\d22x34\CADData\CADsheets\ltr200.dgn



DEVICE SCHEDULE

ITEM	QUANT.	DESCRIPTION
(A)	2	CIRCUIT BREAKER, MOLDED CASE,THERMAL MAGNETIC, 2-POLE, 600V. A.C., 225A. FRAME, 200A. NON-INTERCHANGABLE TRIP, BOLT-ON TYPE; INTERUPTING CAPACITY OF NOT LESS THAN THAN 22,000 RMS SYMMETRICAL AMPERES AT 480V.
(B)	2	LIGHTING CONTACTOR (REMOTE CONTROL SWITCH) MECHANICALLY HELD, ASCO 920, MOUNTED ON SUB PANEL 200A., 2P., 600V. WITH 240V. COIL.
(C)	2	PANEL BOARD (INTERIOR ONLY) 480/240V. SINGLE PHASE WITH 200A. COPPER MAINS AND EIGHT IP-70A BOLT-ON BRANCH BREAKERS EACH RATED 277V. WITH INTERUPTING CAPACITY OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(D)	1	TIME CLOCK: 240V, 60 HZ, MICROPROCESSOR BASED 2-CHANNEL CONTROLLER WITH ASTRONOMIC FUNCTIONS. RATED FOR -30 DEGREES C. TO +70 DEGREES C.
(E)	2	CIRCUIT BREAKER. MOLDED CASE. THERMAL MAGNETIC, 1-POLE, 277V., BOLT-ON TYPE, 15A WITH AN INTERUPTING RATING OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(F)	1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 20A., 240V.
(G)	1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20A., 240V. PREMIUM SPEC. GRADE
(H)	1	SOCKET FOR ELECTRIC UTILITY COMPANY METER.
(I)	1	STEP DOWN TRANSFORMER 240V.-120V., 2.0KVA.
(J)	2	FUSE HOLDER 15A., 250V., 5A. FUSE
(K)	1	20A. SPST MICRO SWITCH (MOUNT WITH ACTUATOR TO SWITCH WHEN DOOR OPENED)
(L)	1	60 WATT LIGHT FIXTURE, VAPOR TIGHT, WITH GLOBE AND GUARD AND MOUNTING BOX.
(M)	1	GFI RECEPTACLE, 120V., 20A., PREMIUM SPEC. GRADE. NEMA REFERENCE 5-15R IN WEATHER-PROOF BOX WITH FLAP-TYPE COVER.

NOTES:

1. ALL CONTROL CABINET ITEMS SHALL HAVE SUITABLE IDENTIFICATION. OPEN CONTROL DEVICES SHALL HAVE PERMANENT SELF STICKING TAGS. DEVICES IN ENCLOSURES SHALL HAVE ENGRAVED 2-COLOR LAMINATED PLASTIC NAMEPLATES ATTACHED TO ENCLOSURES WITH SCREWS. NAMEPLATES SHALL BE ENGRAVED TO CORRESPOND TO DESIGNATIONS ON THE DRAWINGS. INTERNAL CABINET WIRING SHALL BE IDENTIFIED AS INDICATED OR AS DIRECTED BY THE ENGINEER BY MEANS OF SELF-STICKING TAGS APPLIED AT EACH CONNECTED END. IDENTIFICATION SHALL BE MADE BY THE CABINET MANUFACTURER.
2. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.

   R = RED Y = YELLOW
   B = BLACK W = WHITE
   BL = BLUE G = GREEN
3. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
4. ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
5. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
6. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL"
7. SEE CABINET AND FOUNDATION DETAIL SHEET FOR SCHEMATIC DIAGRAM AND DEVICE LAYOUT.
8. CONTROL RELAYS CAN BE ELIMINATED IF THE CONTROL TIME CLOCK OUTPUT CONTACTS ARE RATED FOR CONTACTOR INRUSH CURRENT.

SEE SHEET 1 OF 4 FOR PANEL LAYOUT

LT–12

AMES Engineering, Inc.
CONSULTING ENGINEERS
5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

USER NAME = footem	DESIGNED - G. BRATKIV	REVISED - M. BURNS 07-25-91	
	DRAWN -	REVISED - S. MANLEY 10-11-93	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. TOMSONS 03-29-12	
PLOT DATE = 4/19/2019	DATE - 06-30-86	REVISED -	

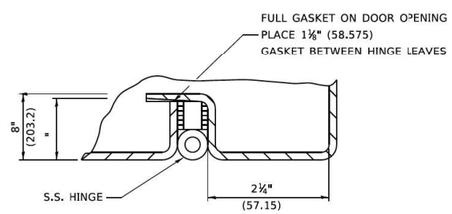
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)

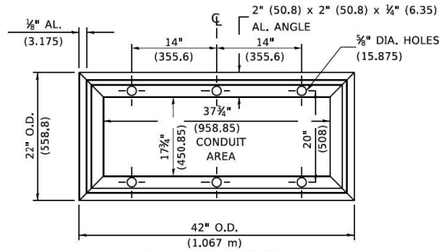
SCALE: NONE | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	276
	E–200 (BE–200)	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

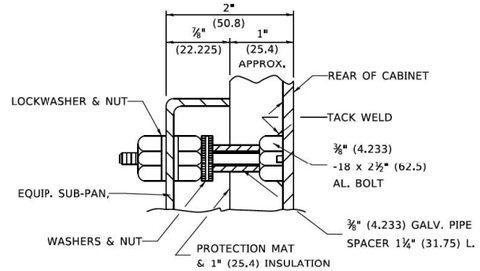
MODEL: Default
FILE NAME: p:\ul\bmoom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist51023.x3a\CADData\CADSheets\be200.dgn



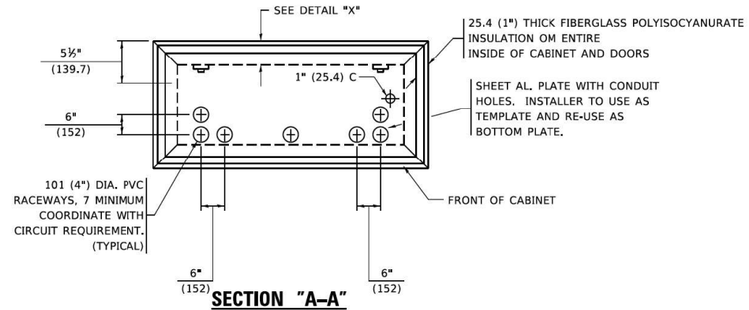
DETAIL "Y"



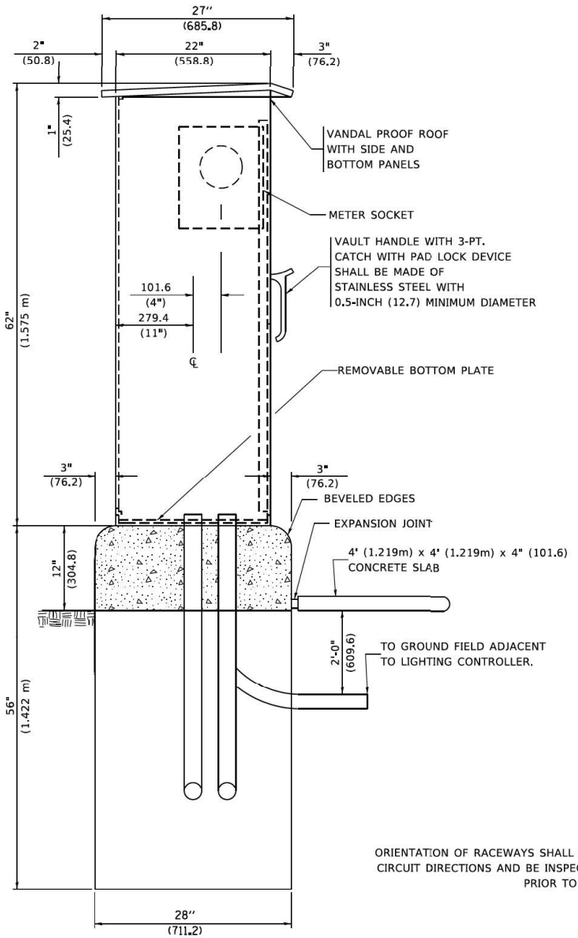
BASE MTG. DETAIL



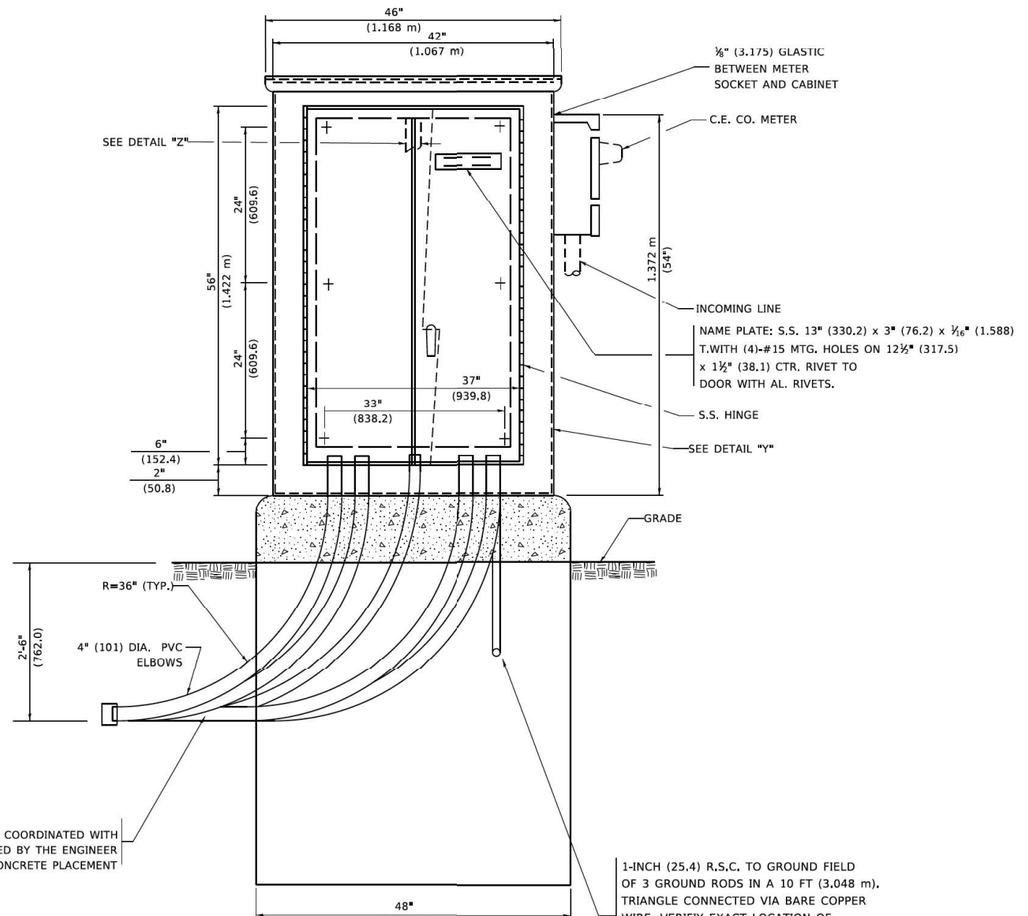
DETAIL "X"



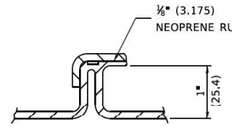
SECTION "A–A"



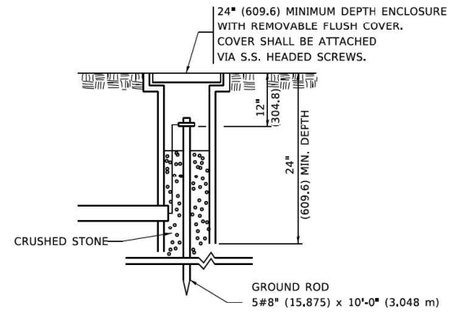
LEFT SIDE ELEVATION



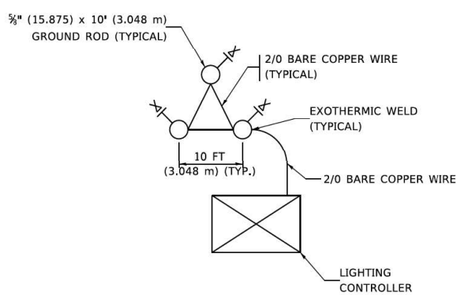
FRONT ELEVATION



DETAIL "Z"



GROUND WELL DETAIL



GROUND FIELD DETAIL
(N.T.S.)

THE CONTRACTOR SHALL
VERIFY EXACT LOCATION
WITH THE ENGINEER

LT–13

MODEL: Default
FILE NAME: z:\ames\cadroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\District\D22x34\CADData\CADsheets\sle200.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 5413 Walnut Avenue, Ste 2 Downers Grove, IL 60515	USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 03-29-12
		DRAWN - CADD	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/19/2019	DATE - 12-18-02	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)

SCALE: NONE | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	277
	E–200 (BE–200)	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. CABINET SHALL BE FABRICATED FROM 0.125-INCH (3.175) SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED ASSEMBLY.
2. ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
3. NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH (19.05) HIGH LETTERS FILLED IN BLACK: "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
4. ONE INCH THICK POLYISOCYANURATE INSULATION SHALL BE INSTALL AND PERMANENTLY CEMENTED ON ALL SIDES OF THE CABINET AND DOORS.
5. CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
6. ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
7. THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
8. METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
9. CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH (3.175) THICK GLASTIC INSULATION BACK PANEL.
10. ALL DEVICES SHALL BE FRONT REMOVABLE.
11. TIME CLOCK CHANNEL 1 N.O. CONTACT IS CLOSED NIGHT AND OPEN DAY.
12. SET "ON TIME" TO 30 MINUTES AFTER ASTRONOMICAL SUNSET.
13. BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
14. ALL LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD.
15. ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
16. ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
17. ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
18. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:

    R - RED   Y - YELLOW
    B - BLACK   W - WHITE
    BL - BLUE   G - GREEN

19. ALL DIMENSIONS ARE IN MILIMETERS (INCHES) UNLESS OTHERWISE INDICATED.
20. SCHEMATIC SHOWN WITH BREAKER OPEN, CONTACTOR OPEN, CABINET DOOR CLOSED, CLOCK NOT ACTIVE.
21. A LAMINATED COPY OF THE CIRCUIT SCHEMATIC AND SCADA I/O DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.

MODEL: Default
FILE NAME: pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DistStd22x34\CADData\CADsheets\be200.dgn

LT–14

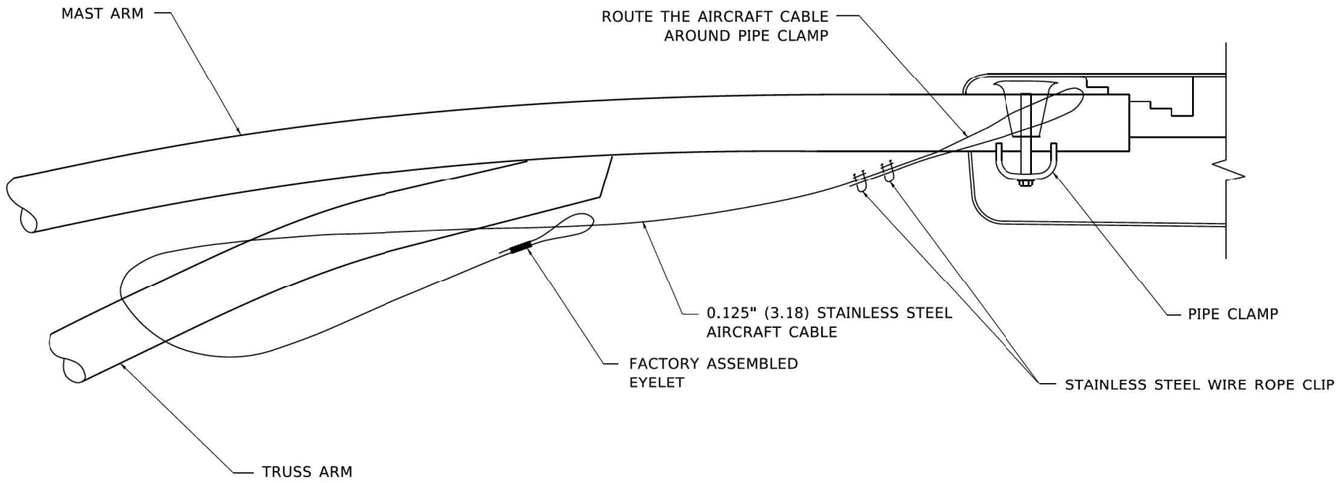
AMES Engineering, Inc. CONSULTING ENGINEERS 5413 Walnut Avenue, Ste 2 Downers Grove, IL 60515	USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 03-29-12
		DRAWN - CADD	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/19/2019	DATE - 12-18-02	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

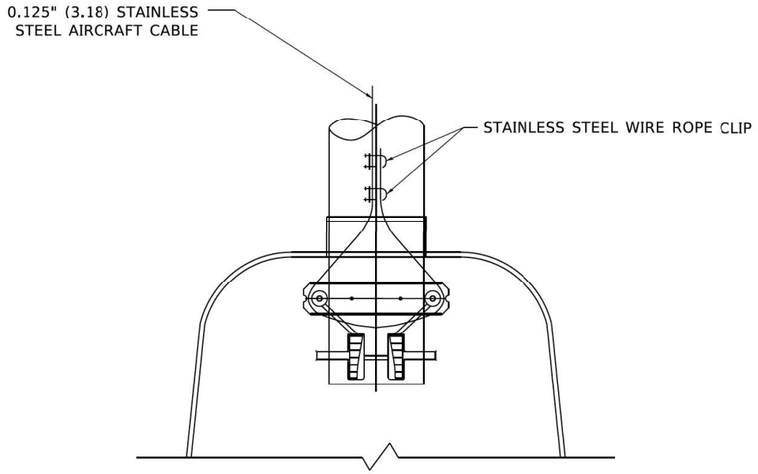
LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)

SCALE: NONE | SHEET 4 OF 4 SHEETS | STA. | TO STA.

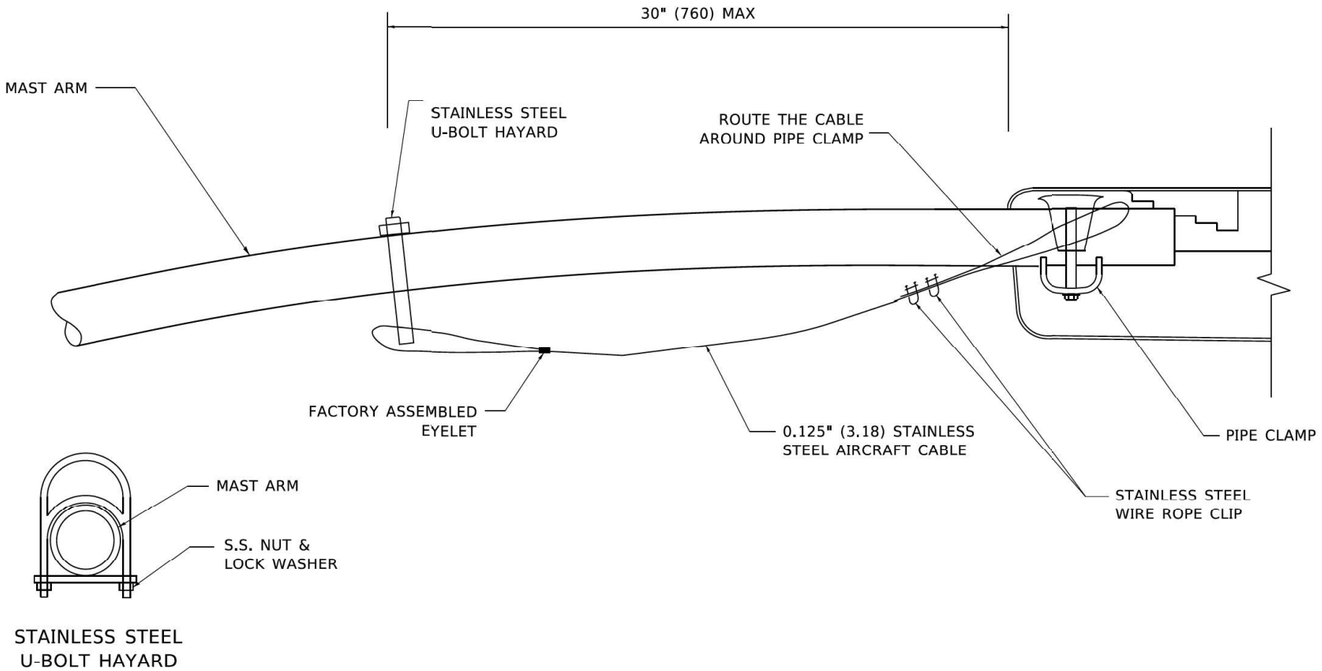
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	278
	E–200 (BE–200)	CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



SIDE VIEW (TRUSS ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

LT–15

AMES Engineering, Inc.
CONSULTING ENGINEERS
5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

USER NAME = footem	DESIGNED -	REVISED - 08-08-03
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

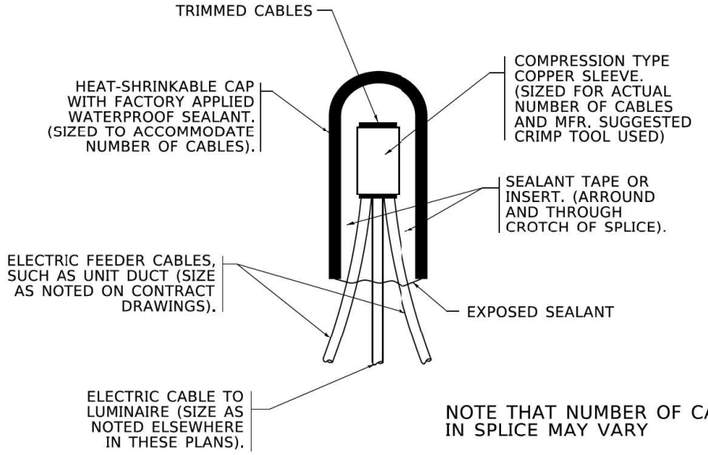
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY

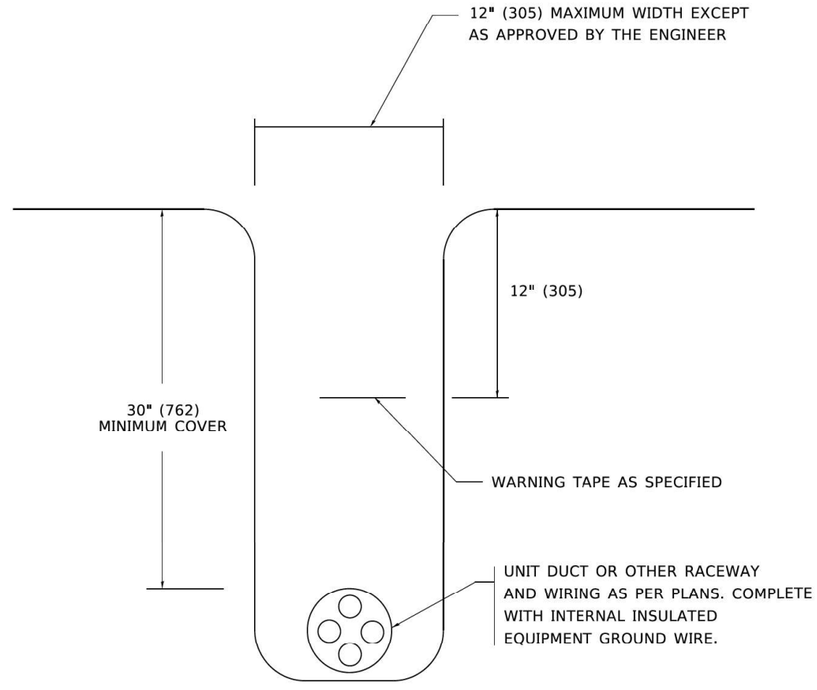
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	279
	BE–701	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

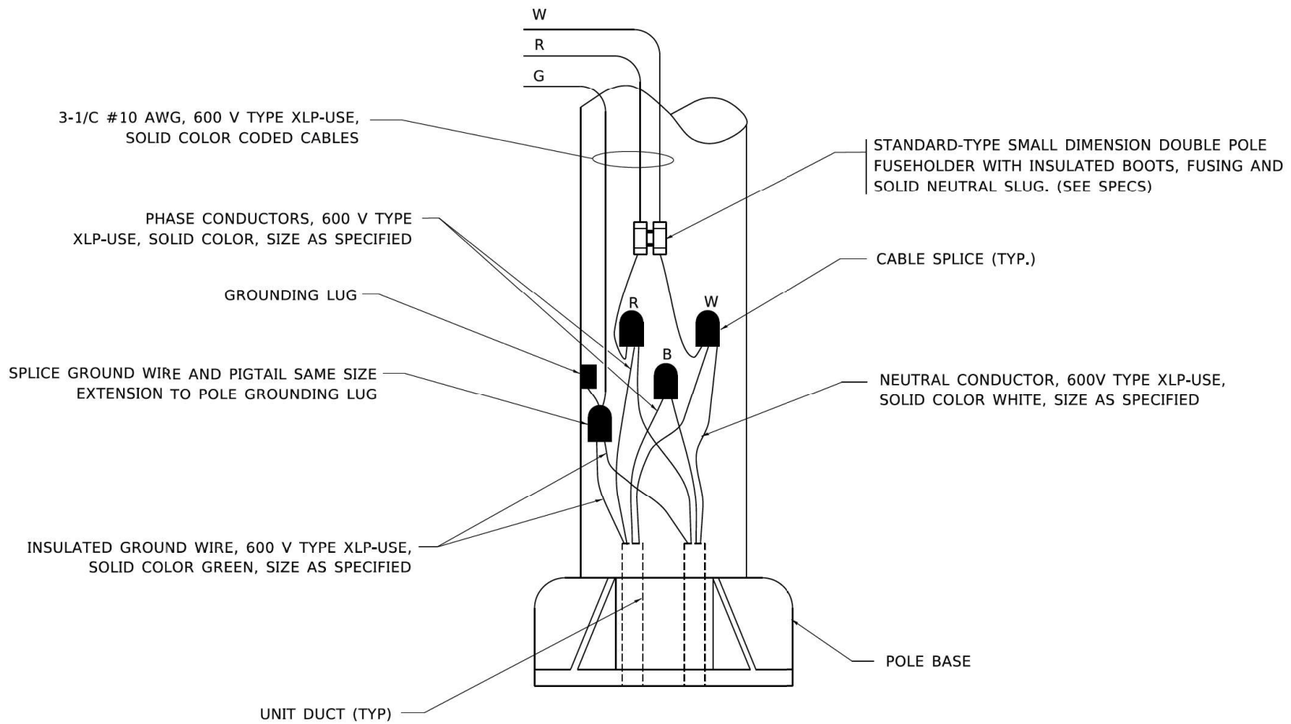
MODEL: Default
FILE NAME: p:\dot\dunroom.dot.illinois.gov\PWROOT\Documents\IDOT Offices\District 1\Projects\Dist5\d22x34\CADData\CADSheets\ble701.dgn



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

LT–16

AMES Engineering, Inc.
CONSULTING ENGINEERS
5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

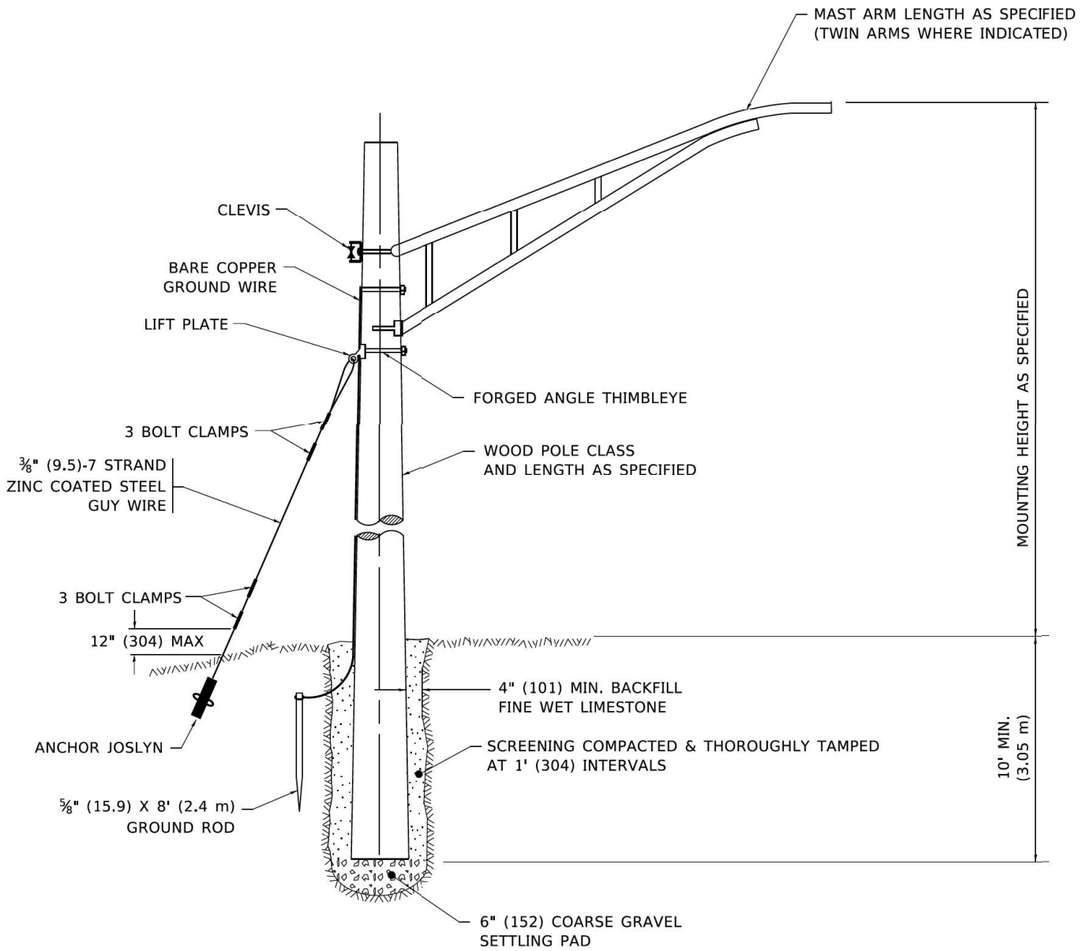
USER NAME = leysa	DESIGNED -	REVISED - 02/04/2020	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/2/2020	DATE - 08/08/2003	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

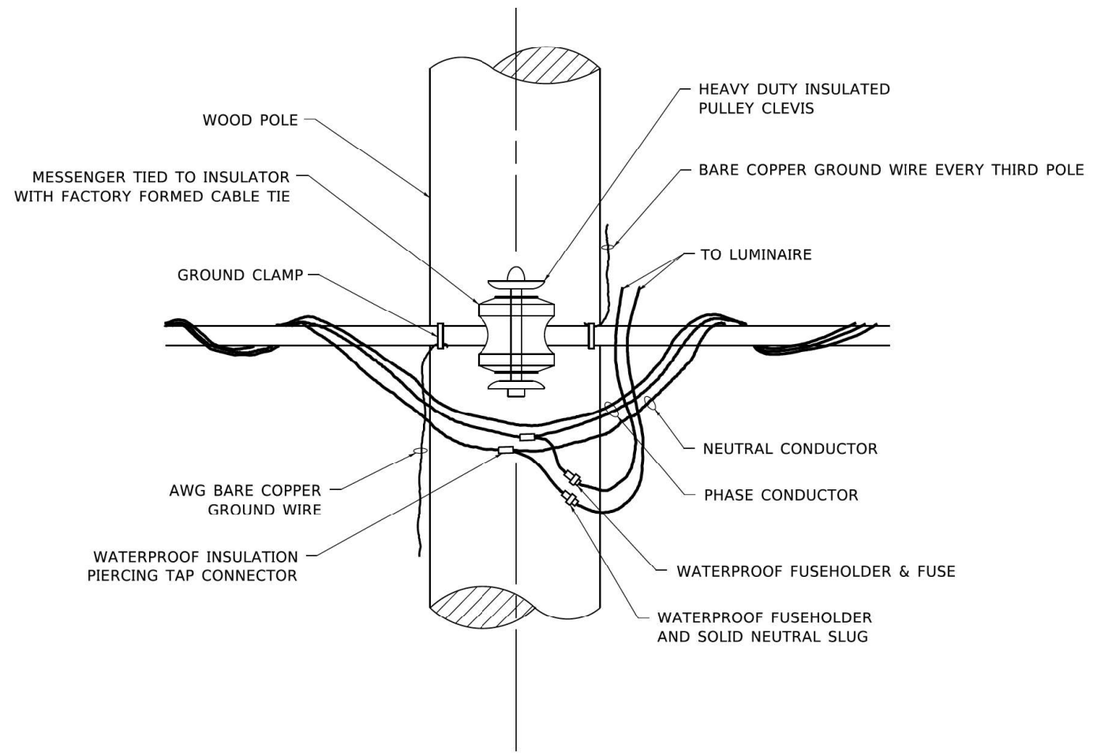
MISC. ELECTRICAL DETAILS
SHEET A

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	280
	BE–702	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTE:

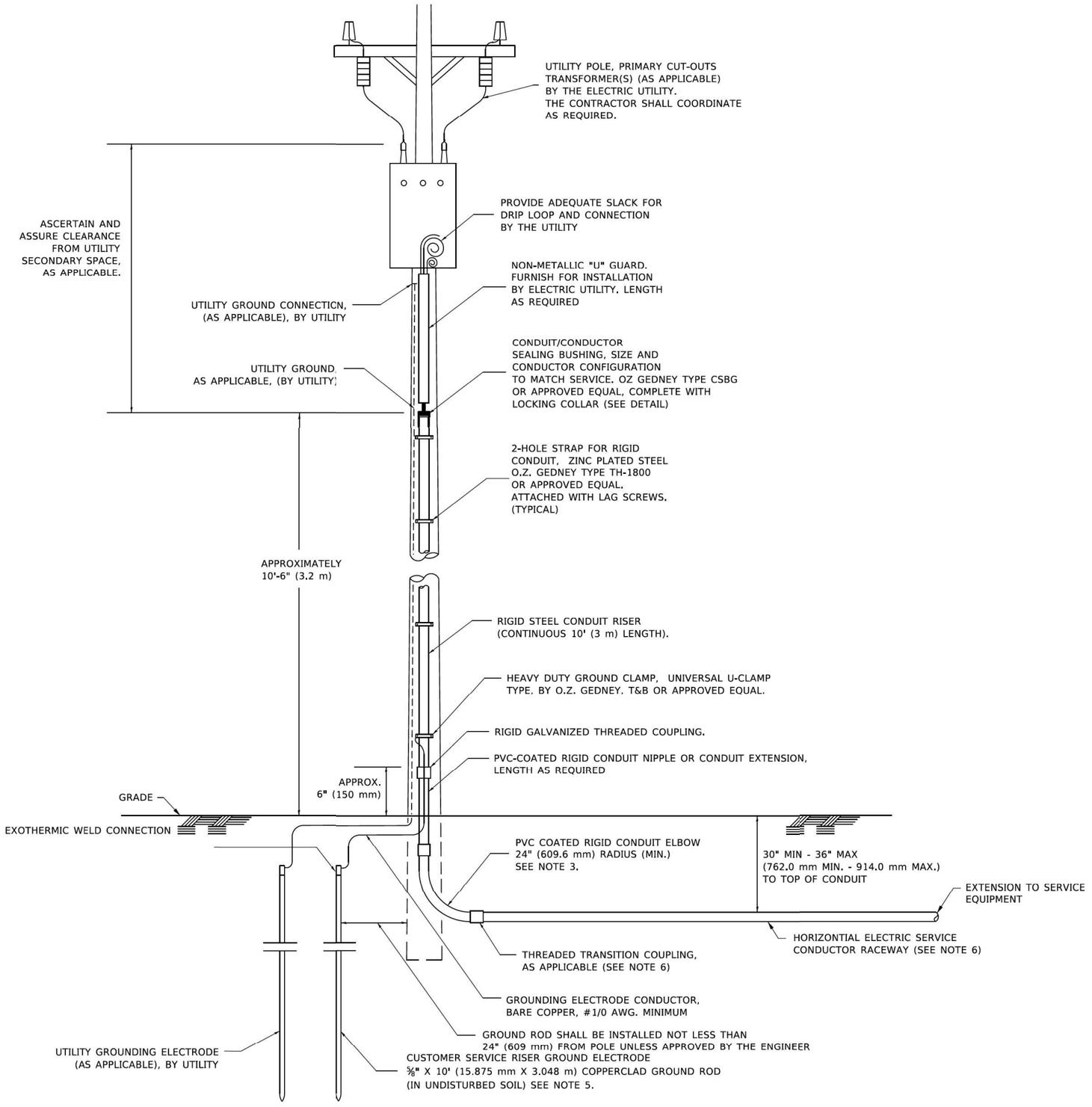
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

LT–17

MODEL: Default
FILE NAME: pw:\\Bannoon.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Std\22x34\CADData\CADsheets\be800.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 5413 Walnut Avenue, Ste 2 Downers Grove, IL 60515	USER NAME = footem	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS
		DRAWN -	REVISED - R.T. 07-26-16		
	PLOT SCALE = 50.0010 ' / in.	CHECKED -	REVISED -		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 4/19/2019	DATE -	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	281
	BE–800	CONTRACT NO. 60P75		
	ILLINOIS | FED. AID PROJECT			

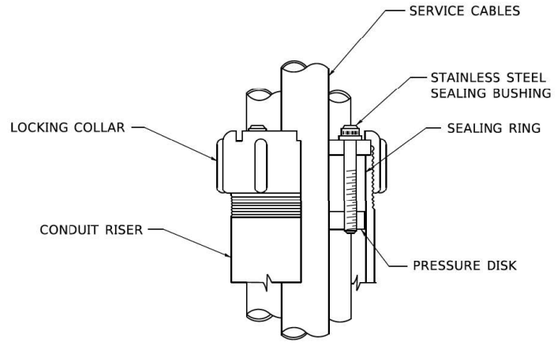


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
4. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
6. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
7. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

LT–18

AMES Engineering, Inc.
CONSULTING ENGINEERS
5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

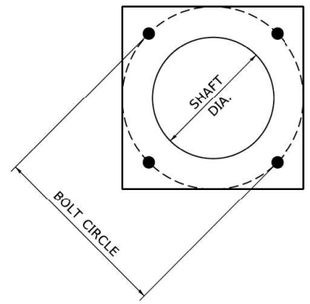
USER NAME = footem	DESIGNED -	REVISED - 03-03-06
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - MEA	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

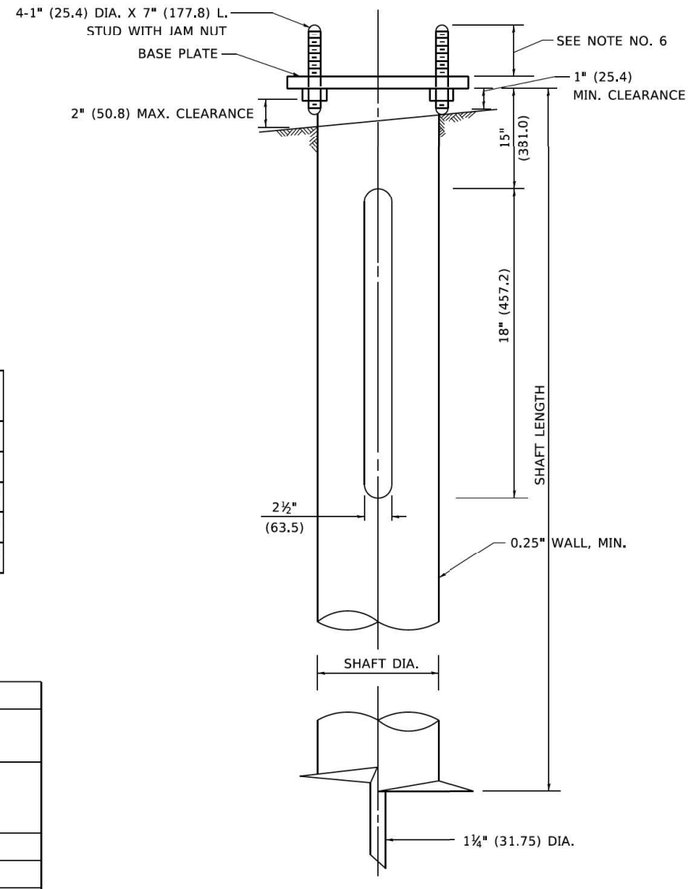
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	282
	BE–220	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			





HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
41 FT.-45 FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1¼"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

NOTES

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

AMES Engineering, Inc.
CONSULTING ENGINEERS
5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

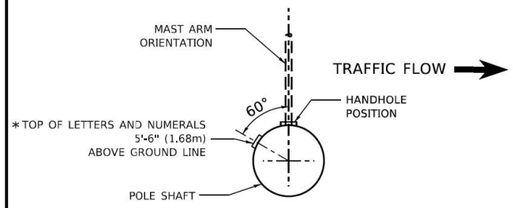
USER NAME = footem]	DESIGNED -	REVISED -
	DRAWN - DLB	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE - 02-27-07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

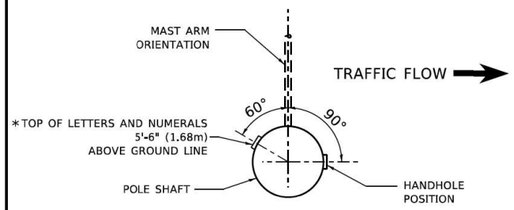
LIGHT POLE FOUNDATION, METAL

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

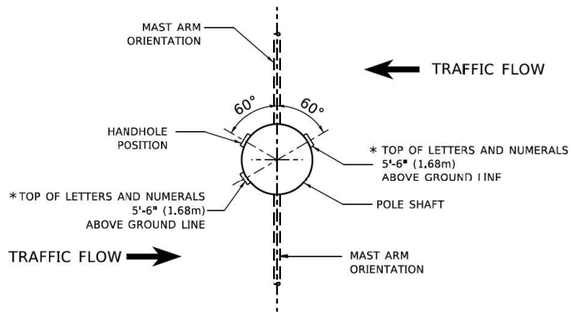
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	283
	BE-305	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



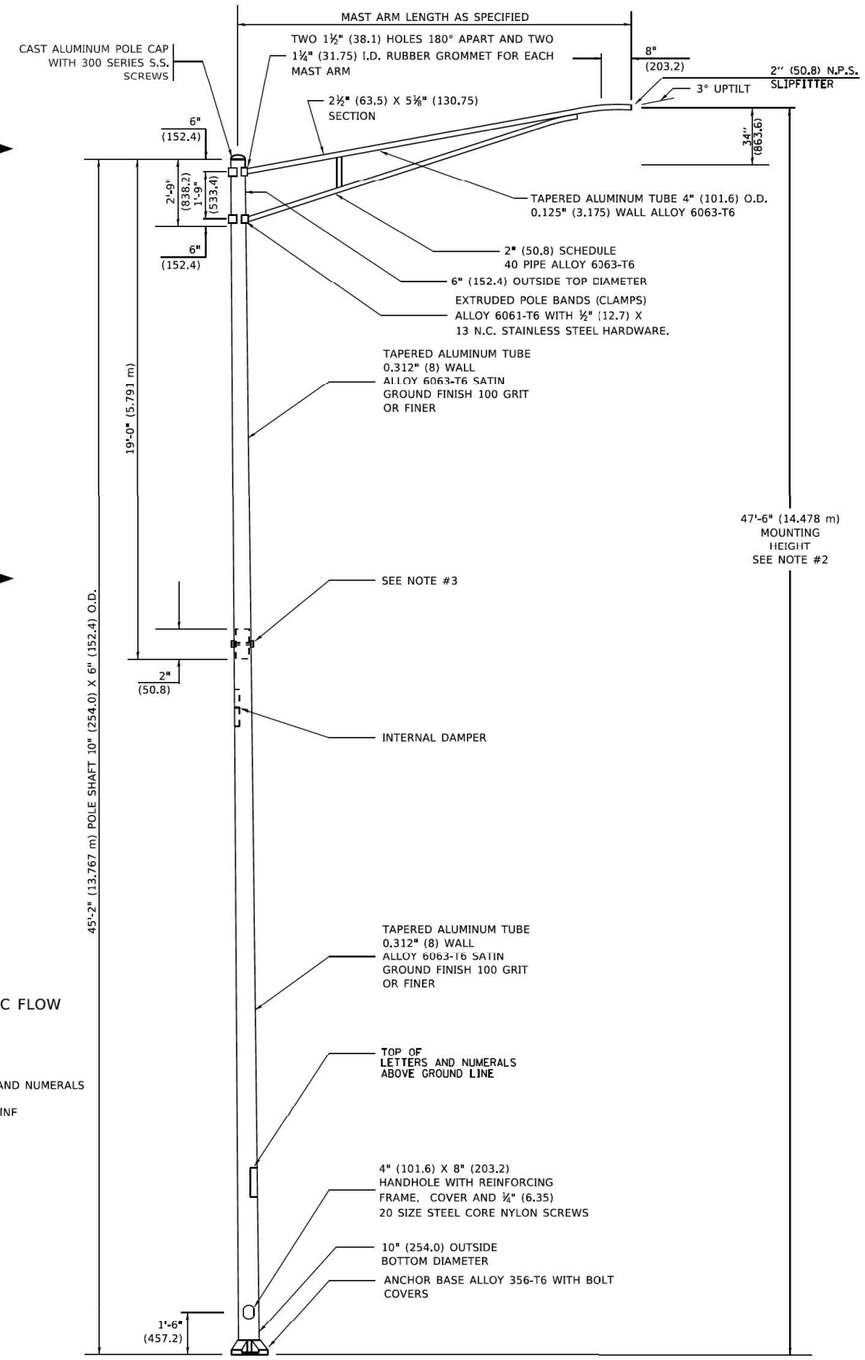
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

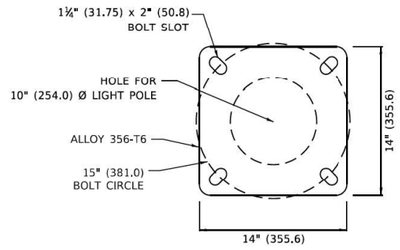


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



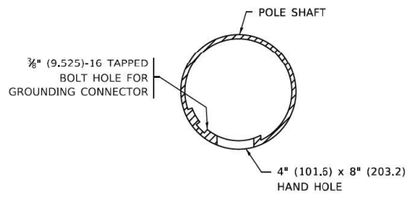
NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



LIGHT POLE BASE PLATE DETAIL

15 INCH (381.0) BOLT CIRCLE



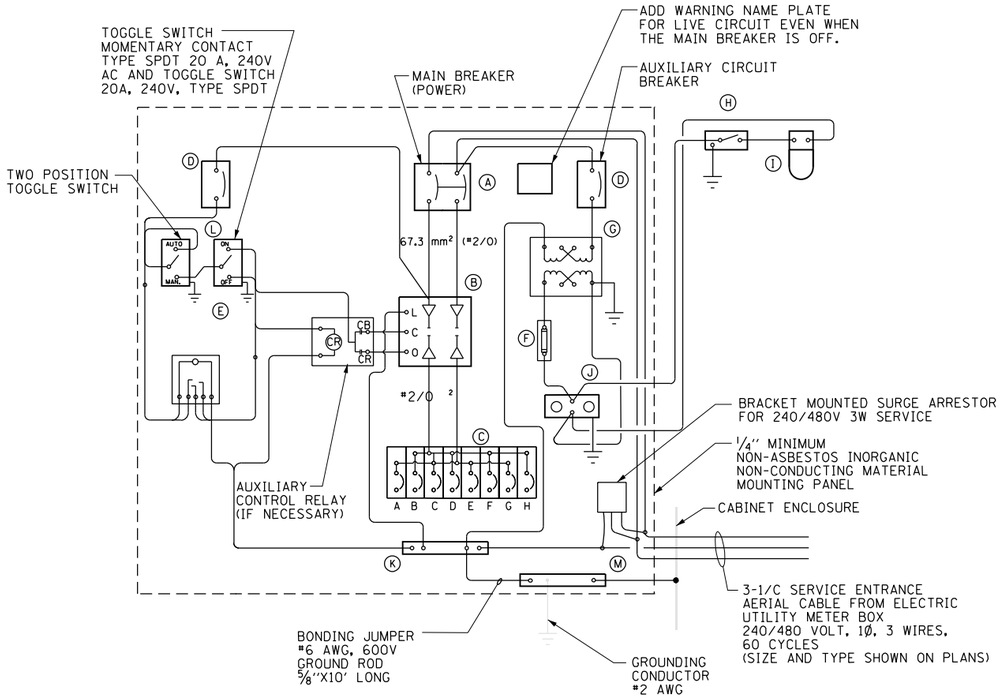
HANDHOLE DETAIL
(N.T.S.)

LT–20

MODEL: Default
FILE NAME: W:\dgn\st022x3a0be400.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 5413 Walnut Avenue, Ste 2 Downers Grove, IL 60515	USER NAME = Lawrence,DeManche	DESIGNED -	REVISED - R. TOMSONS 09-03-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALUMINUM LIGHT POLE 47'–6" (14.478 m) MOUNTING HEIGHT
		DRAWN -	REVISED - R. TOMSONS 01-18-13		
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. TOMSONS 03-18-15		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.
	PLOT DATE = 6/27/2022	DATE -	REVISED - 06/13/2022 TG		

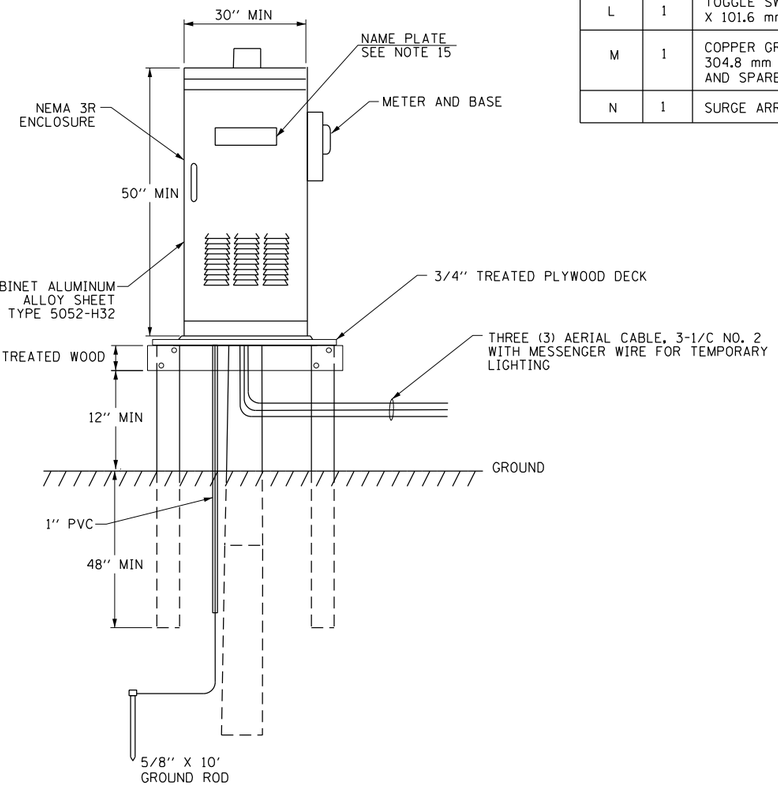
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	284
BE-400		CONTRACT NO. 60P75		
ILLINOIS	FED. AID PROJECT			



WIRING DIAGRAM

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.
2. WOOD PLANK SUPPORT SIZE SHALL BE COORDINATED WITH CABINET SIZE.
3. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
4. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
5. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 6.35 mm (1/4") DIA. STAINLESS STEEL HINGE PIN.
6. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
7. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
8. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
9. CABINETS SHALL HAVE AN ALUMINUM FINISH.
10. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
11. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
    R = RED BL = BLUE W = WHITE
    B = BLACK Y = YELLOW G = GREEN
12. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
13. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
14. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
15. 304.8 mm (12") X 406.4 mm (16") STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
16. SERVICE DISCONNECT SHOULD HAVE UL LABEL AND THE EQUIPMENT SHOULD BE SUITABLE FOR SERVICE ENTRANCE EQUIPMENT.
17. BASED ON LIGHTING CONTROLLER CABINET, ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS.
18. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
19. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.



PANEL EQUIPMENT

BILL OF MATERIAL

ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100AMP. FRAME, 100AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUITS 240 VOLT, ASCO 920.
C	8	CIRCUIT BREAKERS, 1 POLE, 240V., 100AMP. FRAME 50AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100AMP. FRAME, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22,000 AMP. AT 240 V.
E	1	A STRONOMIC MICRO PROCESSOR BASED 2 CHANNEL CONTROLLER [TIME SWITCH]
F	1	20A., 120V FUSE
G	1	1.5KVA. SINGLE PHASE, ENCAPSULATED TRANSFORMER 240X480/120X240 VOLT, 60 HZ
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER NEUTRAL BUS 6.35 mm (1/4") X 25.4 mm (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS.
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 mm (4") X 101.6 mm (4") BOX.
M	1	COPPER GROUND BUS 6.35 mm (1/4") X 25.4 (1") 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.
N	1	SURGE ARRESTOR

LT-21

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

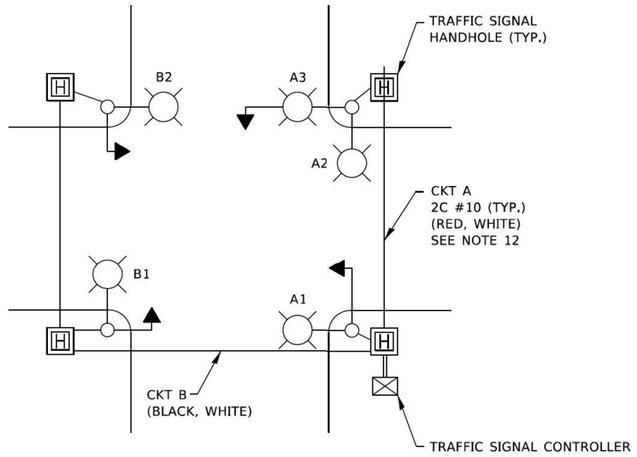
USER NAME = WTeng	DESIGNED - BL	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MB	REVISED -
PLOT DATE = 10/12/2023	DATE - 07-01-2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING CONTROLLER
IL ROUTE 53 AT IL ROUTE 56

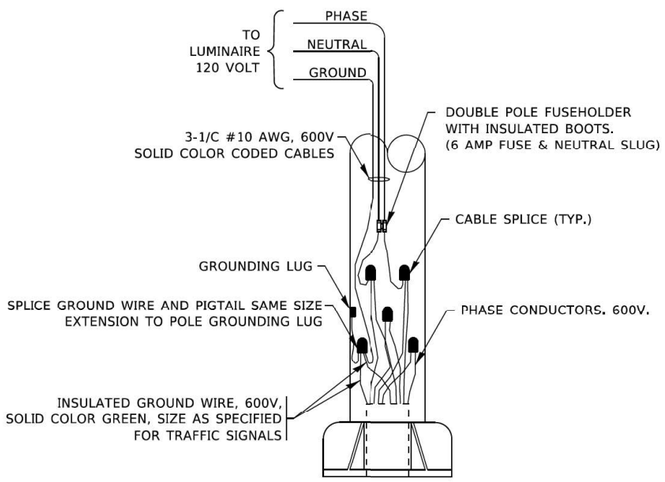
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	285
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



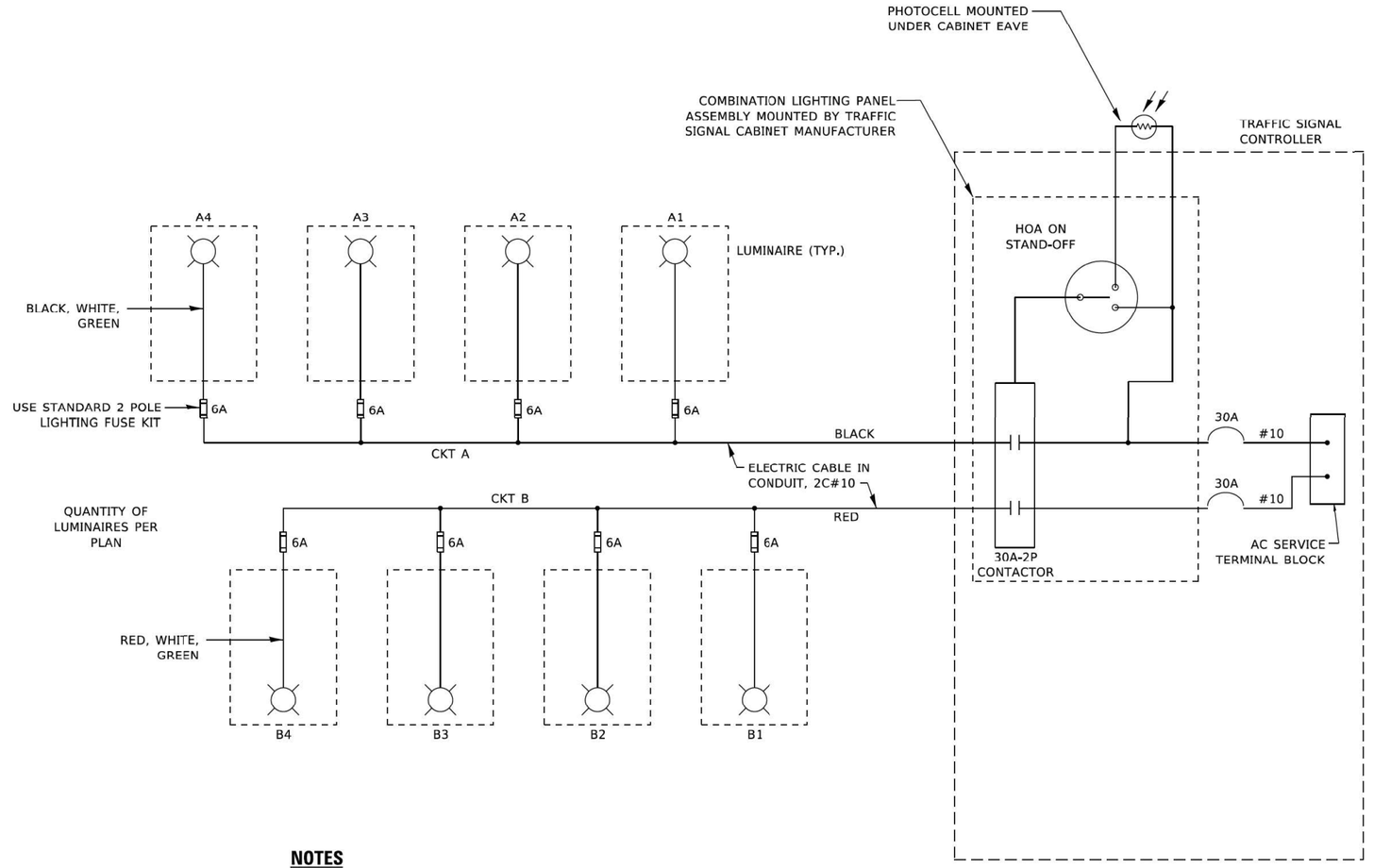
TYPICAL LIGHTING CIRCUIT

(NOT TO SCALE)



COMBINATION POLE WIRING DETAIL

(NOT TO SCALE)



NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V
11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.

LT–22

AMES Engineering, Inc.
CONSULTING ENGINEERS
5413 Walnut Avenue, Ste 2
Downers Grove, IL 60515

USER NAME = demanchelt	DESIGNED - RT	REVISED - T.G. 4/12/2017	
	DRAWN -	REVISED - R. TOMSONS 3/22/18	
PLOT SCALE = 100.0000 ' / in.	CHECKED - RT	REVISED - T.G. 8/03/2021	
PLOT DATE = 5/5/2022	DATE - 08/18/2014	REVISED - T.G. 5/05/2022	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DUPAGE	529	286
	BE–240	CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

Benchmark: Bronze Disk monument on southwest wingwall of existing IL 56 bridge over the East Branch DuPage River, Elev. 683.44.

Existing Structure: Structure No. 022-0057 was built in 1973, F.A.P. Route 365 (Butterfield Rd.), Section 56B-1. The superstructure consists of one simple span steel wide flange beams supported on closed abutments. The back-to-back of abutment dimension measures 70'-1" and the out-to-out of deck dimension measures 97'-6". The structure is skewed 22°-30' left forward. The structure was resurfaced with a concrete overlay in 1991, F.A.U. 3545 (IL 56), Section 56B-1. In 1991, the longitudinal median joint was eliminated and transverse expansion & fixed joints were replaced. A portion of the median was removed and replaced and minor repairs were performed to the bridge deck. Traffic shall be maintained utilizing staged construction.

Salvage: Existing aluminum tube railing and posts.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.058
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.109
Soil Site Class = C

SCOPE OF WORK

1. Maintain two lanes of traffic in each direction according to Stage Construction cross sections.
2. Remove existing concrete deck and overlay and replace with 8" deck
3. Remove and reconstruct portions of abutment, backwalls & wingwalls to allow for semi-integral configuration.
4. Remove and replace bearings
5. Clean bridge seats
6. Remove and replace north fascia Beam 1
7. Formed concrete repair and epoxy crack sealing as indicated in the plans
8. Remove approach slabs & replace with widened approach slabs.
9. Add Stream Gauge to west abutment south wingwall.

Note:
See Sheet 2 of 36 for Sections A-A and B-B.

DESIGN SPECIFICATIONS

(1973 and 1991)
AASHTO Standard Specifications for Highway, Bridges 1983 & Interim Specifications for 1984 & 1989
(New Construction)
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

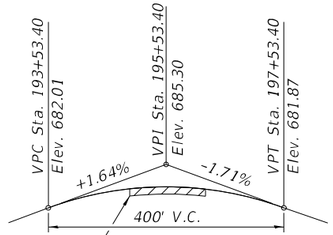
FIELD UNITS (1973 Construction)
fc = 1,000 psi (Abuts, & Wingwalls)
fc = 1,200 psi (Deck)
fc = 1,400 psi (Curb & Parapet)
fs = 20,000 psi (Reinf.)
fs = 27,000 psi (Struct) (A588)
vc = 75 psi (Ftgs.)
n = 10

FIELD UNITS (1991 Construction)
f'c = 3,500 psi
fy = 60,000 psi

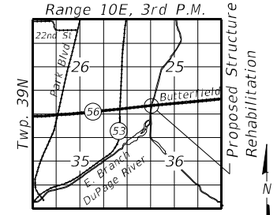
FIELD UNITS (New Construction)
f'c = 3,500 psi
f'c = 4,000 psi (superstructure concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W)

LOADING HS 20-44

(1973, 1991 and New Construction)
Allow 25#/sq. ft. for future wearing surface.



IL 56 EB & WB PROFILE



LOCATION SKETCH

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.) W. Abut.	E. Abut.	Item 113
Q100	657.5	657.5	
Q200	653.9	653.9	5
Design	657.5	657.5	

GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 56 OVER
EAST BRANCH DuPAGE RIVER
F.A.P. RTE 365-SECTION (56&57)R-4
DUPAGE COUNTY
STATION 195+55.44
STRUCTURE NO. 022-0057

PETER R. DOMBROWSKI 6519 11-20-23 LICENSED STRUCTURAL ENGINEER
Expires: 11-30-2024

BLA, Inc.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NO. 022-0057
SHEET 1 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	287
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

MODEL: Plot Sheet
FILE NAME: W:\193-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\018_Bridge Deck Replacement\D160P75_SHT-01_General Plan.dgn
2/1/2024 9:51:59 PM

GENERAL NOTES

All structural steel shall be AASHTO M 270 Grade 50W (except bearings which shall be AASHTO M270 Grade 50).

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas and ASTM F3125 Grade A325 Type 3 weathering steel bolts in unpainted areas.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

There is an existing Benchmark Monument attached to the Southwest wingwall. Care shall be taken to protect the Monument during all stages of construction.

New structural steel and bearings shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 1'-6". Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required for new structural steel.

Existing structural steel shall be cleaned and primed for a distance equal to the depth of embedment into the concrete cap plus 1'-6", using Commercial Grade Power Tool Cleaning SSPC-SP 15 as required by the Special Provision "Cleaning and Painting Existing Steel Structures". Painted areas shall be primed in the field with a Department approved zinc rich primer. Intermediate and topcoats will not be required.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Slip forming of the parapets is not allowed.

Calculated weight of Structural Steel = 18,290 lbs AASHTO M270 Gr. 50W.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered point may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in Removal of Existing Concrete Deck.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified peronnel approved by the Engineer. Any cracks reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with "Concrete Removal".

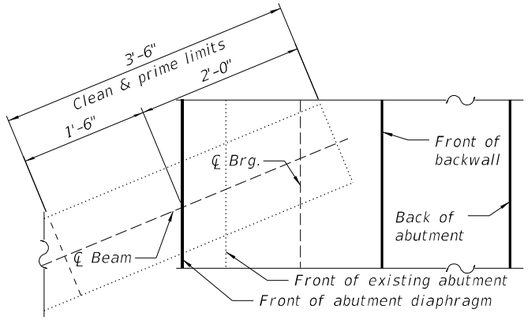
The contractor shall salvage the existing aluminum railing and posts. Railings shall not be cut. The railings, posts, and attachments shall be transported and unloaded by the Contractor to the District Bridge Yard in Elk Grove at 1101 Biesterfield Road during the weekdays of Monday-Friday, and between the hours of 9am and 3pm. Contact Mr. John Bilski at (847) 956-1444. Cost included in Removal of Existing Concrete Deck.

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

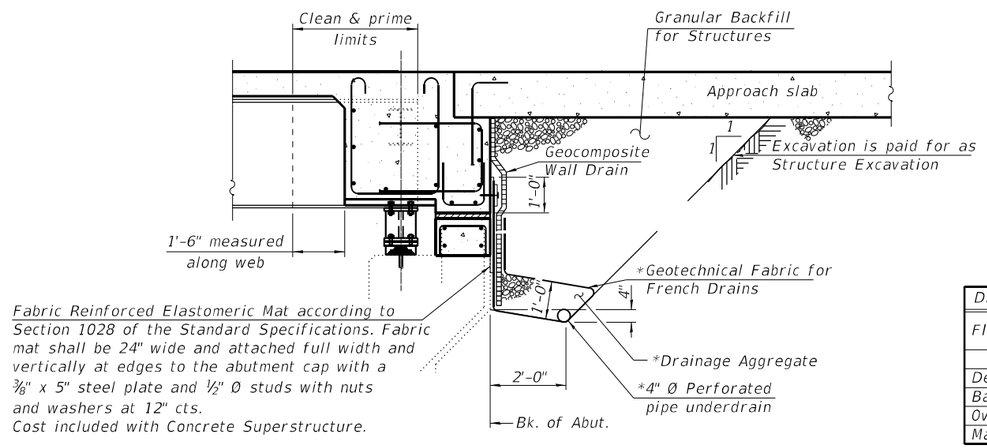
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq Yd	-	431	431
Filter Fabric	Sq Yd	-	288	288
Concrete Removal	Cu Yd	-	47.0	47.0
Removal Of Existing Concrete Deck	Each	1	-	1
Structure Excavation	Cu Yd	-	191	191
Floor Drains	Each	10	-	10
Concrete Structures	Cu Yd	-	79.0	79.0
Concrete Superstructure	Cu Yd	300.8	-	300.8
Bridge Deck Grooving	Sq Yd	1,055	-	1,055
Protective Coat	Sq Yd	1,498	-	1,498
Concrete Superstructure (Approach Slab)	Cu Yd	305.0	-	305.0
Furnishing And Erecting Structural Steel	Pound	18,290	-	18,290
Stud Shear Connectors	Each	2,169	-	2,169
Cleaning And Painting Structural Steel, Location 1	L Sum	1	-	1
Reinforcement Bars, Epoxy Coated	Pound	164,540	*12,862	177,402
Bar Splicers	Each	938	176	1,114
Bicycle Railing	Foot	128	-	128
Parapet Railing	Foot	128	-	128
Name Plates	Each	1	-	1
Elastomeric Bearing Assembly, Type I	Each	15	-	15
Anchor Bolts, 3/4"	Each	60	-	60
Temporary Sheet Piling	Sq Ft	-	592	592
Granular Backfill For Structures	Cu Yd	-	194	194
Epoxy Crack Injection	Foot	-	43	43
Geocomposite Wall Drain	Sq Yd	-	94	94
Pipe Underdrains For Structures 4"	Foot	-	212	212
Pipe Underdrains For Structures (Special) 4"	Foot	-	121	121
Stream Gauge	Each	-	1	1
Containment And Disposal Of Non-Lead Paint Cleaning Residues No. 1	L Sum	1	-	1
Jack And Remove Existing Bearings	Each	28	-	28
Structural Steel Removal	Pound	10,700	-	10,700
Cleaning Bridge Seats	Sq Ft	-	388	388
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	-	11	11
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	-	30	30
Temporary Shoring And Cribbing	Each	-	3	3

*Includes 11,372 LBS of Approach Slab Reinforcement



CLEAN & PRIME LIMITS AT BEAM ENDS

(Typ. all existing beams)



SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. ℄'s)

*Included in the cost of Pipe Underdrains for Structures 4".

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101). Excavation required to install Pipe Underdrains for Structures (Special) 4" shall be included with the price bid for that item.

STATION 195+55.44
RE-BUILT 202_ BY
STATE OF ILLINOIS
F.A.P. RTE 365 SEC. (56&57)R-4
LOADING HS 20-44
STR. NO. 022-0057

NAME PLATE

See Std. 515001

Note:

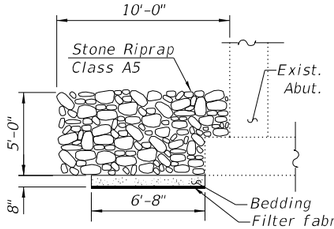
Existing Name Plate shall be removed from the wingwall, cleaned, and relocated next to the new Name Plate. Cost included with Name Plates.

WATERWAY INFORMATION

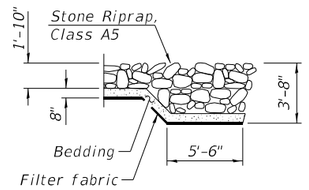
Drainage Area = 25.5 Sq. Mi. Low Grade Elev. 678.76 @ Sta. 200+69.49

Flood	Freq. Yr.	Q C.F.S.	Opening Ft² Exist.	Opening Ft² Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	1238	407	407	675.2	0.5	0.5	675.8	675.8
Design	50	2246	470	470	676.4	1.2	1.2	677.6	677.6
Base	100	2729	499	499	676.8	1.5	1.5	678.3	678.3
Overtopping	--	--	--	--	--	--	--	--	--
Max. Calc.	500	4058	573	573	678.1	1.8	1.8	679.9	679.9

2 Year Flow = 195 CFS



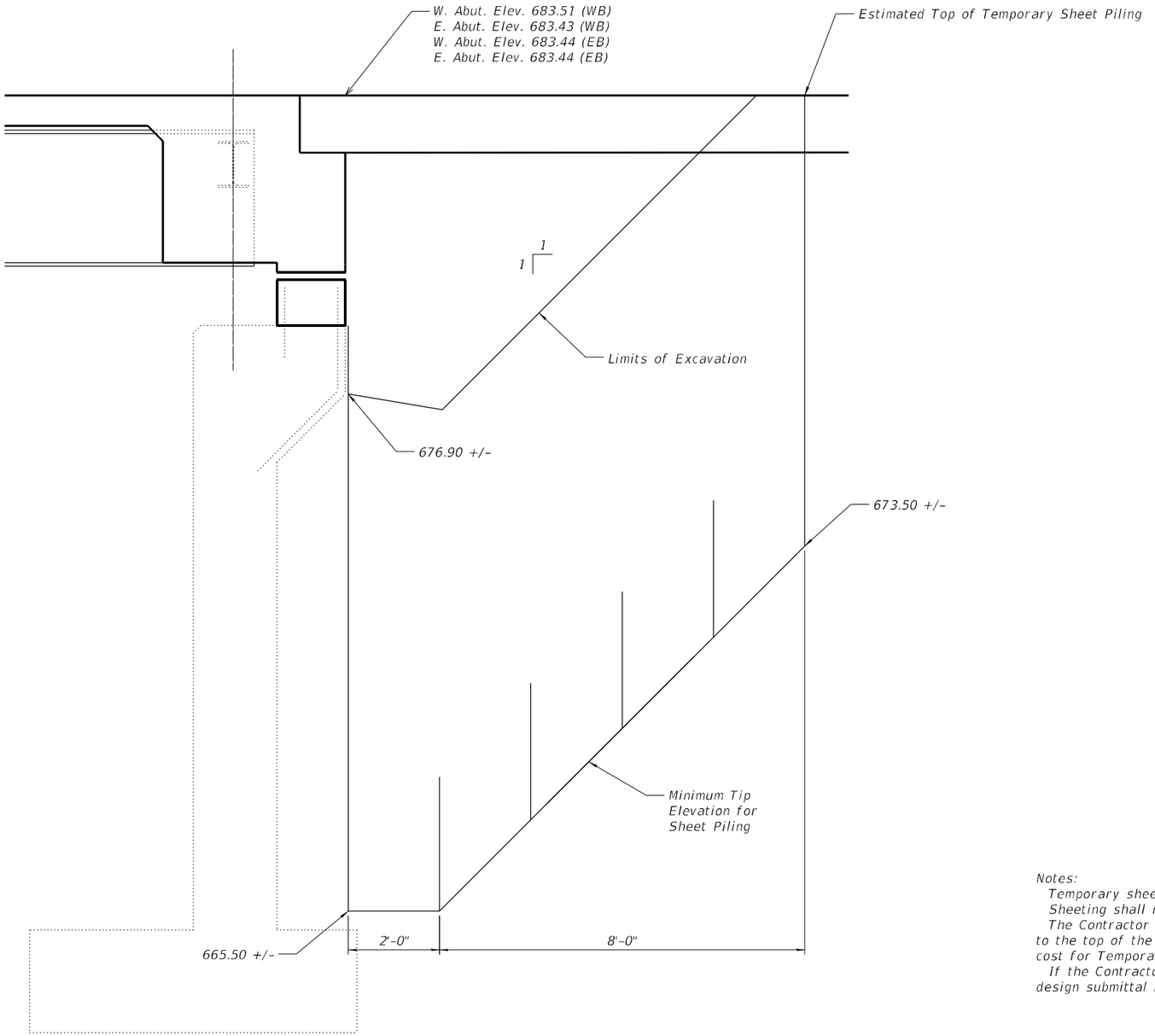
SECTION A-A



SECTION B-B

USGS NOTES

The existing USGS stream gauge equipment will be removed and reinstalled by the USGS. Contact Clint Bailey at (815) 751-3111 at least 14 calendar days prior to construction. After the USGS has removed all of their equipment, the Contractor will remove and dispose of the remaining large corrugated pipe on the Northeast corner of the bridge. The Contractor will notify Clint Bailey when construction is complete so USGS can re-install their equipment. Cost of removal of the large corrugated pipe, other pipes and all associated work is included with Removal of Existing Concrete Deck.



TEMPORARY SHEET PILING DETAILS

(4 locations)

Notes:

Temporary sheet piling shall be Grade 50 with a minimum effective section modulus of **3.75** in.³/ft.

Sheeting shall not be driven into the abutment footing.

The Contractor shall connect the first sheet to the existing abutment back wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
Temporary Sheet Piling	Sq. Ft.	592

MODEL: Default
FILE NAME: W:\191-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\018_Bridge Deck Replacement\D160P75_SHT-03_Temporary Sheet Piling.dgn
2/1/2024 9:52:04 PM

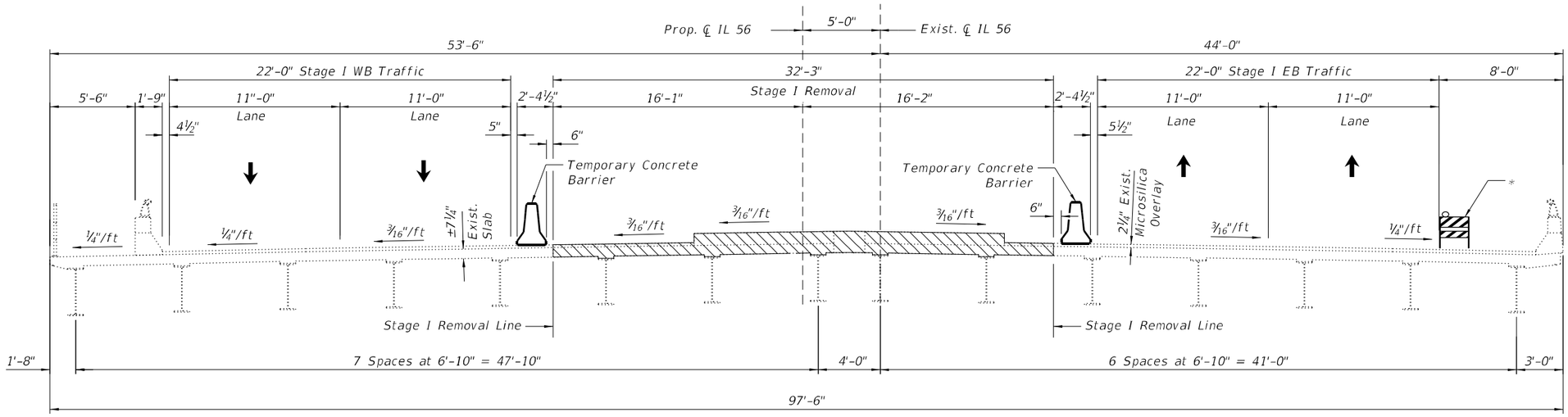
BLA, Inc.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SHEET PILING
STRUCTURE NO. 022-0057
SHEET 3 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	289
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

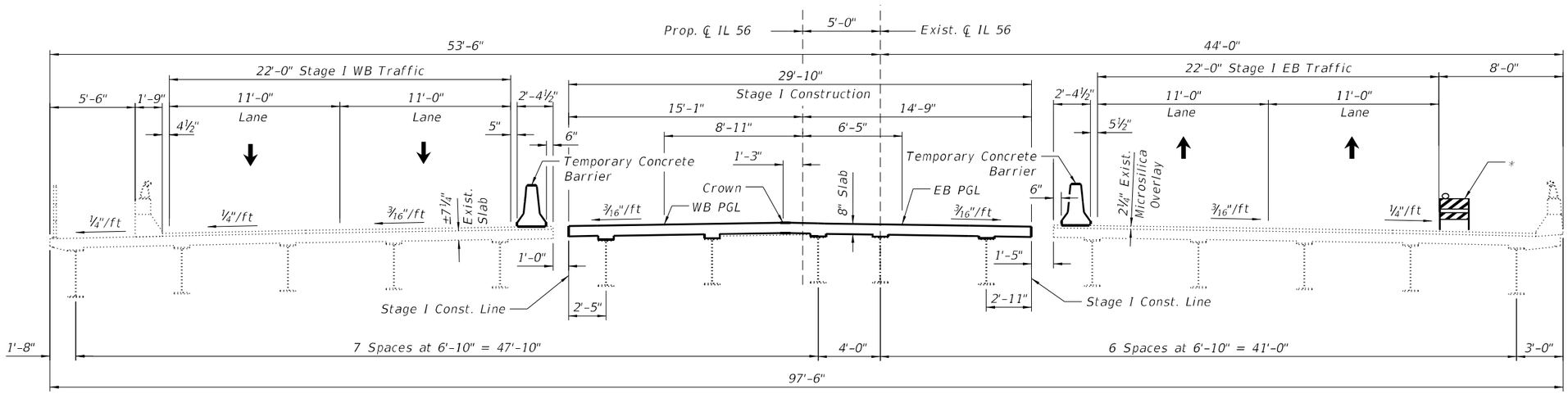


STAGE I REMOVAL
(Looking East)

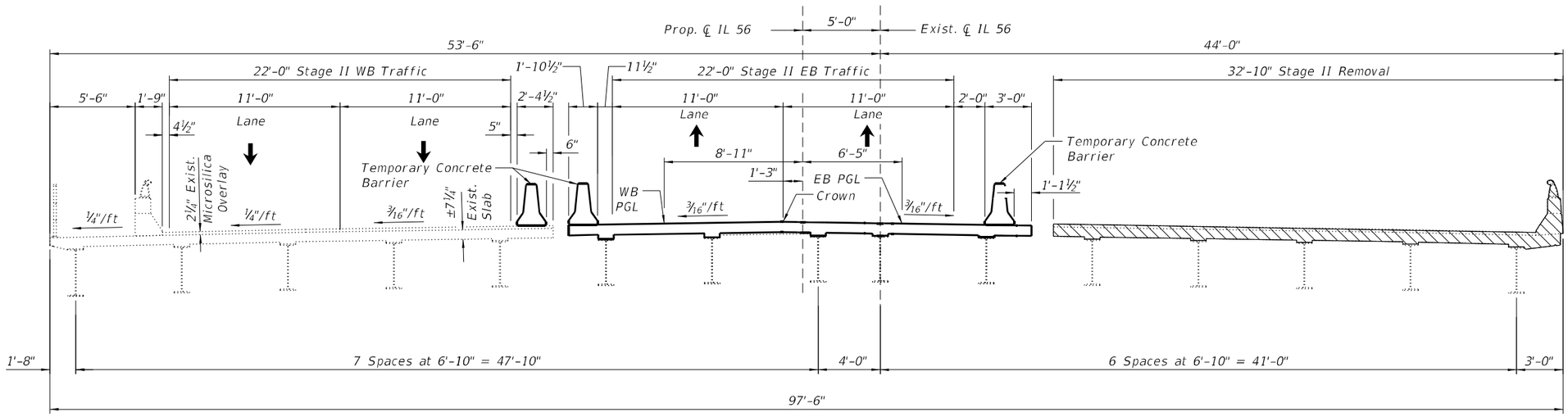
*Type II Barricades or Drums with Steady-Burning Light on Bridge. See Roadway Plans

LEGEND

Removal, included in the cost of Removal of Existing Concrete Deck



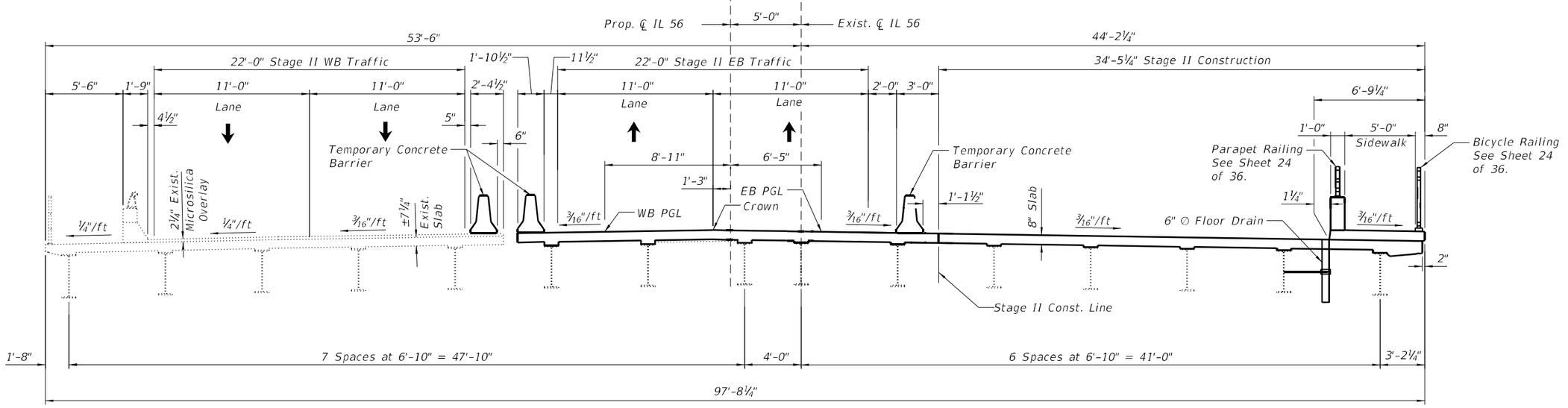
STAGE I CONSTRUCTION
(Looking East)



STAGE II REMOVAL
(Looking East)

LEGEND

Removal, included in the cost of Removal of Existing Concrete Deck



STAGE II CONSTRUCTION
(Looking East)

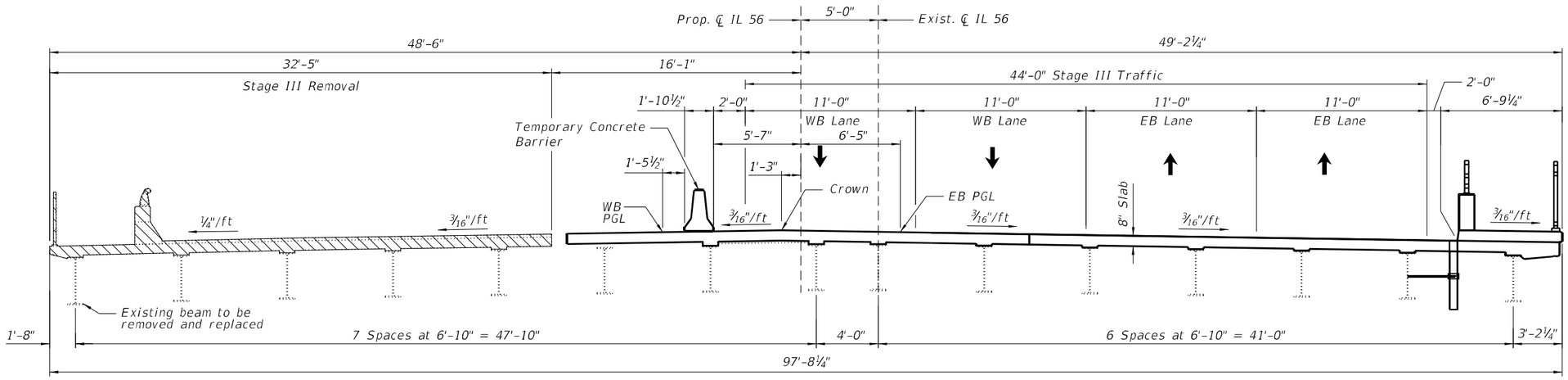
BLA, Inc.

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

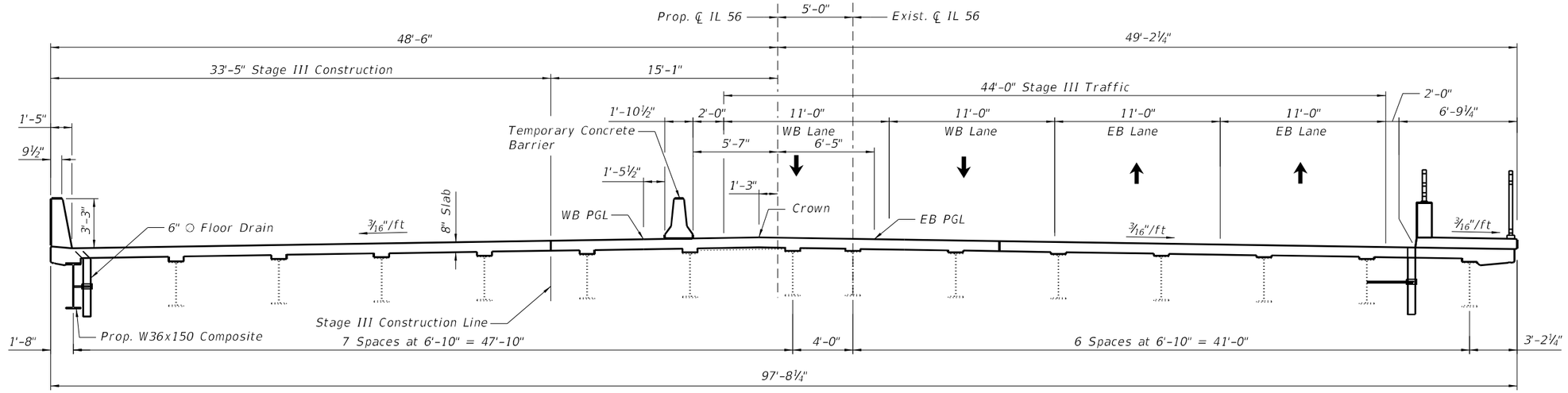
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS II
STRUCTURE NO. 022-0057
SHEET 5 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	291
		CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	



STAGE III REMOVAL
(Looking East)



STAGE III CONSTRUCTION
(Looking East)

LEGEND

Removal, included in the cost of Removal of Existing Concrete Deck

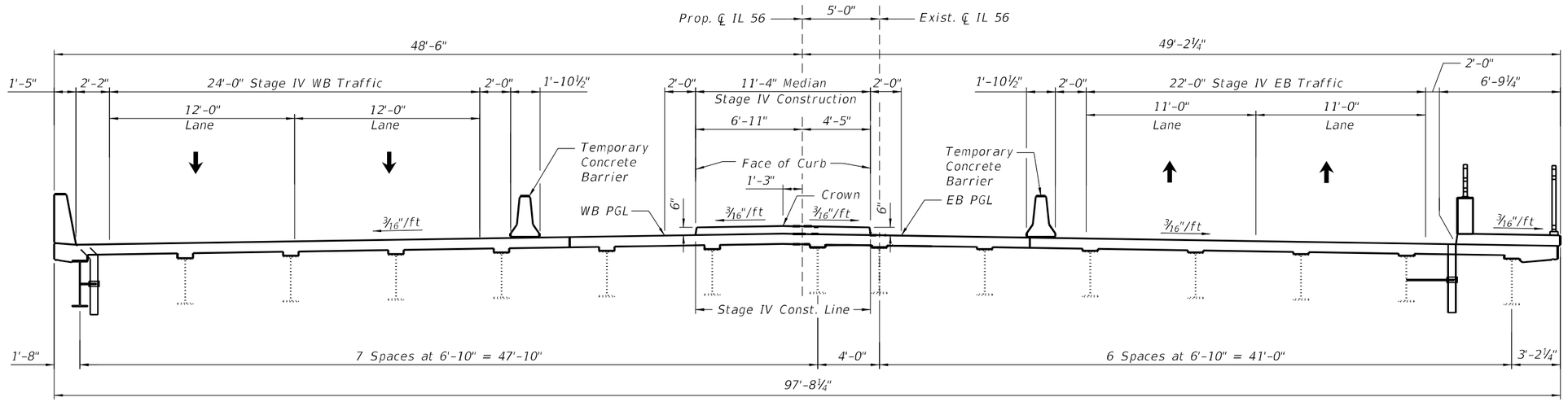
MODEL: SHEET
FILE NAME: W:\19-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\01B_Bridge Deck Replacement\D160P75_SHT-06_Stage Const Details III.dgn
2/1/2024 9:52:06 PM

BLA, Inc.	USER NAME =	DESIGNED - TJJ	REVISED -
		CHECKED - JJI	REVISED -
	PLOT SCALE =	DRAWN - TJJ	REVISED -
	PLOT DATE =	CHECKED - JJI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

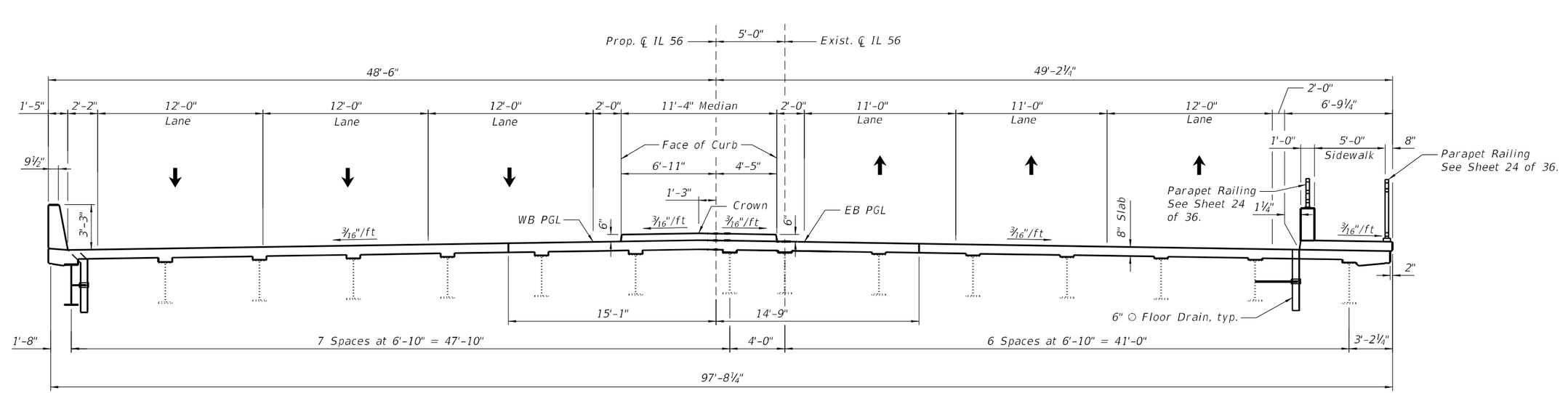
STAGE CONSTRUCTION DETAILS III
STRUCTURE NO. 022-0057
SHEET 6 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	292
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



STAGE IV CONSTRUCTION

(Looking East)



FINAL

(Looking East)

MODEL: SHEET
FILE NAME: W:\191-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\01B_Bridge Deck Replacement\D160P75_SHT-07_Stage Const Details IV.dgn

2/1/2024 9:52:07 PM

BLA, Inc.

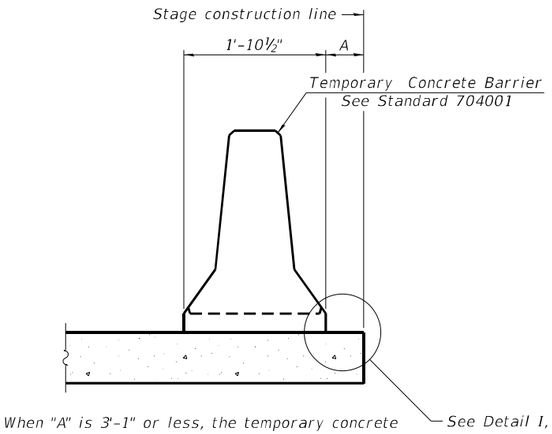
USER NAME =	DESIGNED - TJJ	REVISED -
	CHECKED - JJI	REVISED -
PLOT SCALE =	DRAWN - TJJ	REVISED -
PLOT DATE =	CHECKED - JJI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS IV
STRUCTURE NO. 022-0057

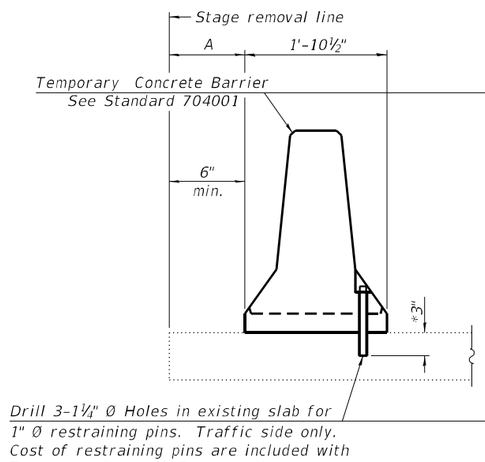
SHEET 7 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	293
		CONTRACT NO. 60P75		
		ILLINOIS	FED. AID PROJECT	



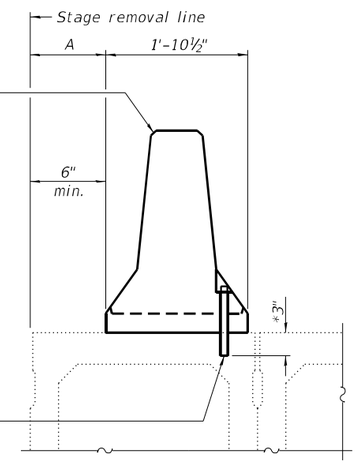
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



Drill 3-1¼" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

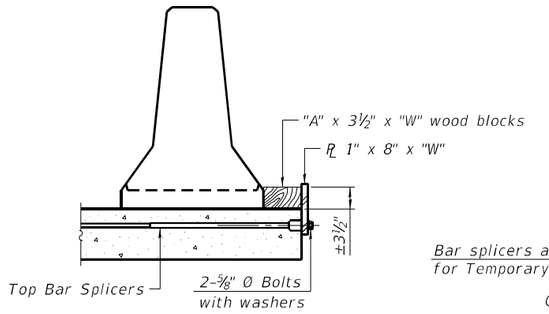
EXISTING SLAB



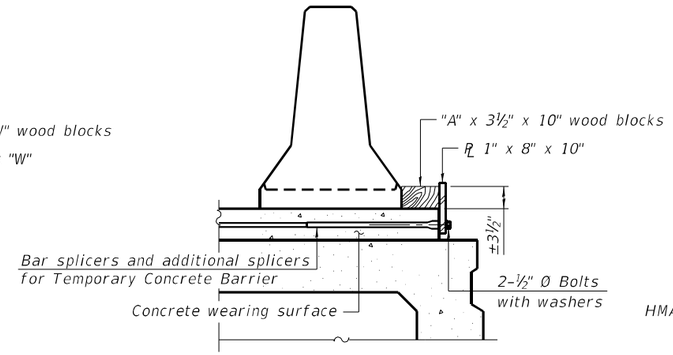
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

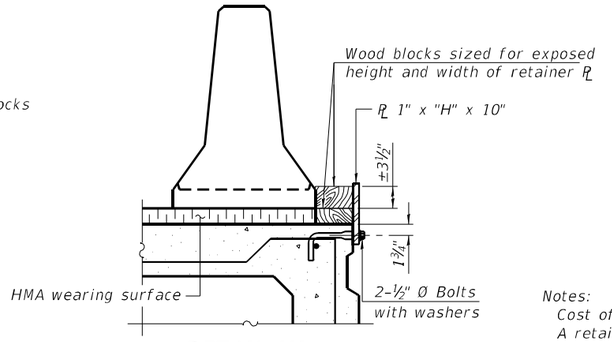
SECTIONS THRU SLAB OR DECK BEAM



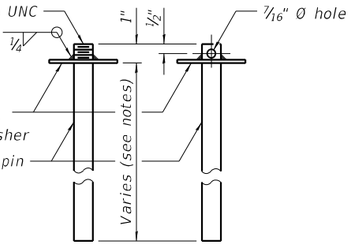
DETAIL I



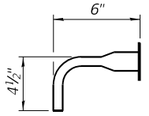
DETAIL II



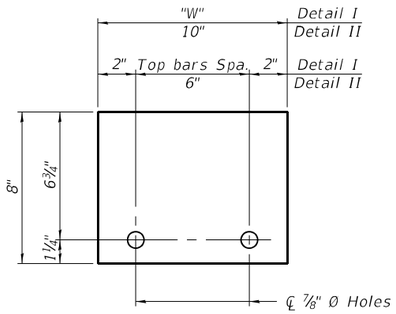
DETAIL III



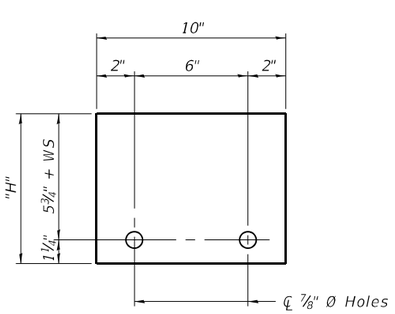
RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER ℄ 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER ℄ 1" x "H" x 10"
(Detail III)

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27

10-12-2021

MODEL: Default
FILE NAME: W:\191-134_IDOT_IL 53 at IL 56\CADD_Streets\Structural\01B_Bridge Deck Replacement\D160P75_SHT-08_Temp Concrete Barrier.dgn
2/1/2024 9:52:09 PM

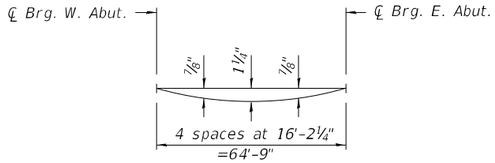
BLA, Inc.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 022-0057
SHEET 8 OF 36 SHEETS

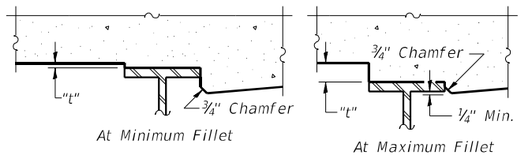
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	294
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			



DEAD LOAD DEFLECTION DIAGRAM

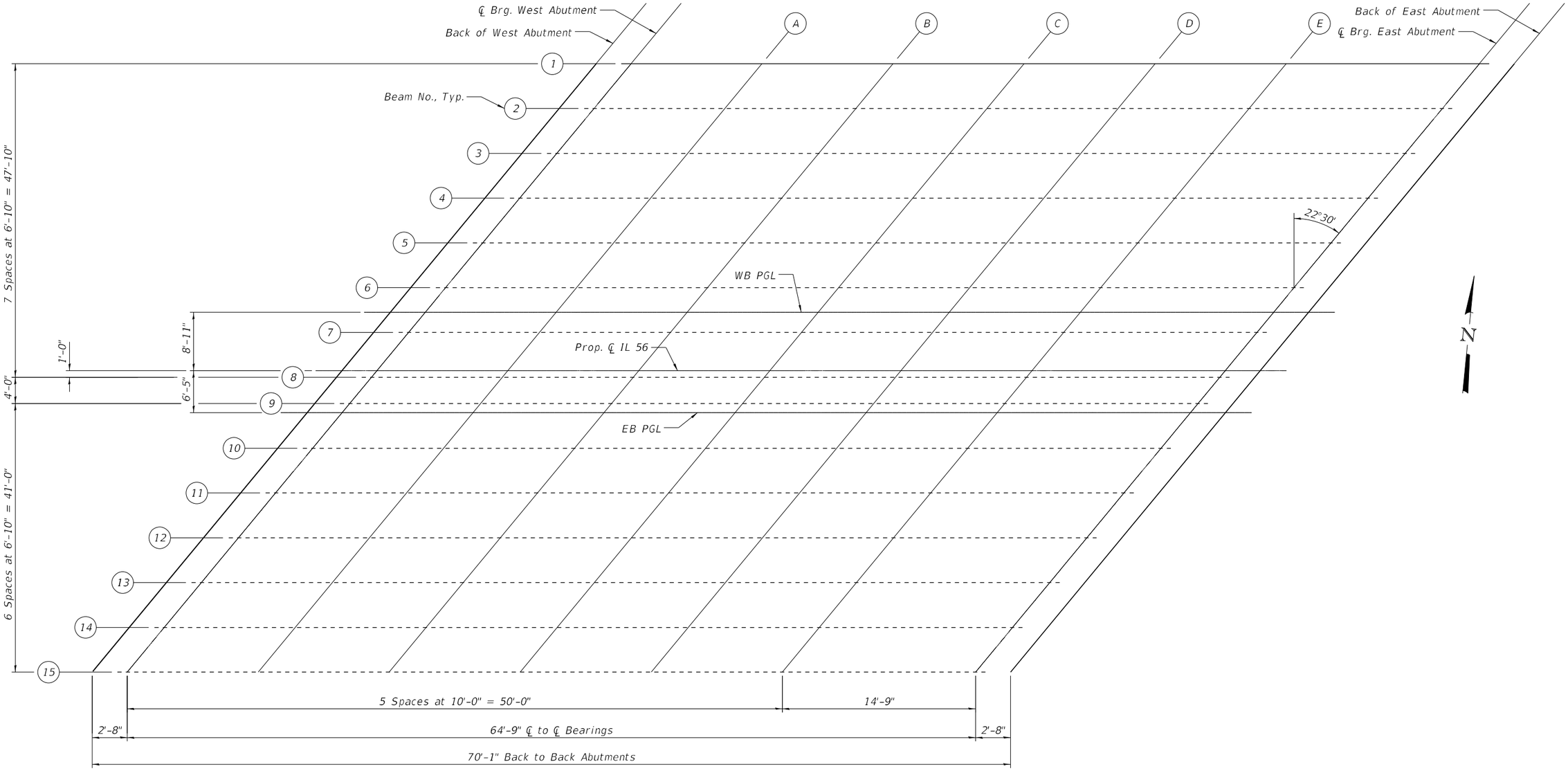
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

MODEL: Default
FILE NAME: W:\19-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\01B_Bridge Deck Replacement\D16P75_SHT-09_Top of Slab Elev I.dgn
2/1/2024 9:52:10 PM

BLA, Inc.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS I
STRUCTURE NO. 022-0057
SHEET 9 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	295
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+39.80	-46.83	683.03	683.03
℄ Brg. W. Abut.	195+42.47	-46.83	683.03	683.03
A	195+52.47	-46.83	683.03	683.08
B	195+62.47	-46.83	683.03	683.12
C	195+72.47	-46.83	683.01	683.11
D	195+82.47	-46.83	682.99	683.09
E	195+92.47	-46.83	682.95	683.02
℄ Brg. E. Abut.	196+07.20	-46.83	682.89	682.89
Bk. E. Abut.	196+09.87	-46.83	682.88	682.88

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+36.97	-40.00	683.13	683.13
℄ Brg. W. Abut.	195+39.64	-40.00	683.14	683.14
A	195+49.64	-40.00	683.14	683.19
B	195+59.64	-40.00	683.14	683.22
C	195+69.64	-40.00	683.12	683.23
D	195+79.64	-40.00	683.10	683.20
E	195+89.64	-40.00	683.07	683.14
℄ Brg. E. Abut.	196+04.37	-40.00	683.01	683.01
Bk. E. Abut.	196+07.04	-40.00	683.00	683.00

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+34.14	-33.17	683.24	683.24
℄ Brg. W. Abut.	195+36.81	-33.17	683.24	683.24
A	195+46.81	-33.17	683.25	683.30
B	195+56.81	-33.17	683.24	683.33
C	195+66.81	-33.17	683.23	683.33
D	195+76.81	-33.17	683.21	683.31
E	195+86.81	-33.17	683.19	683.25
℄ Brg. E. Abut.	196+01.54	-33.17	683.13	683.13
Bk. E. Abut.	196+04.21	-33.17	683.12	683.12

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+31.31	-26.33	683.34	683.34
℄ Brg. W. Abut.	195+33.98	-26.33	683.34	683.34
A	195+43.98	-26.33	683.35	683.39
B	195+53.98	-26.33	683.35	683.43
C	195+63.98	-26.33	683.34	683.44
D	195+73.98	-26.33	683.33	683.43
E	195+83.98	-26.33	683.30	683.36
℄ Brg. E. Abut.	195+98.71	-26.33	683.25	683.25
Bk. E. Abut.	196+01.38	-26.33	683.24	683.24

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+28.48	-19.50	683.44	683.44
℄ Brg. W. Abut.	195+31.15	-19.50	683.45	683.45
A	195+41.15	-19.50	683.46	683.50
B	195+51.15	-19.50	683.46	683.54
C	195+61.15	-19.50	683.45	683.55
D	195+71.15	-19.50	683.44	683.53
E	195+81.15	-19.50	683.42	683.48
℄ Brg. E. Abut.	195+95.88	-19.50	683.37	683.37
Bk. E. Abut.	195+98.55	-19.50	683.36	683.36

WB STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+26.65	-15.08	683.51	683.51
℄ Brg. W. Abut.	195+29.32	-15.08	683.51	683.51
A	195+39.32	-15.08	683.53	683.57
B	195+49.32	-15.08	683.53	683.62
C	195+59.32	-15.08	683.53	683.63
D	195+69.32	-15.08	683.51	683.60
E	195+79.32	-15.08	683.49	683.55
℄ Brg. E. Abut.	195+94.05	-15.08	683.45	683.45
Bk. E. Abut.	195+96.72	-15.08	683.43	683.43

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+25.65	-12.67	683.54	683.54
℄ Brg. W. Abut.	195+28.32	-12.67	683.55	683.55
A	195+38.32	-12.67	683.56	683.61
B	195+48.32	-12.67	683.57	683.65
C	195+58.32	-12.67	683.56	683.66
D	195+68.32	-12.67	683.55	683.64
E	195+78.32	-12.67	683.53	683.59
℄ Brg. E. Abut.	195+93.05	-12.67	683.49	683.49
Bk. E. Abut.	195+95.72	-12.67	683.48	683.48

WB PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+24.09	-8.92	683.60	683.60
℄ Brg. W. Abut.	195+26.76	-8.92	683.60	683.60
A	195+36.76	-8.92	683.62	683.67
B	195+46.76	-8.92	683.63	683.71
C	195+56.76	-8.92	683.62	683.72
D	195+66.76	-8.92	683.61	683.70
E	195+76.76	-8.92	683.59	683.65
℄ Brg. E. Abut.	195+91.49	-8.92	683.55	683.55
Bk. E. Abut.	195+94.16	-8.92	683.54	683.54

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+22.82	-5.83	683.64	683.64
℄ Brg. W. Abut.	195+25.49	-5.83	683.65	683.65
A	195+35.49	-5.83	683.67	683.71
B	195+45.49	-5.83	683.67	683.76
C	195+55.49	-5.83	683.67	683.77
D	195+65.49	-5.83	683.66	683.76
E	195+75.49	-5.83	683.65	683.71
℄ Brg. E. Abut.	195+90.22	-5.83	683.60	683.60
Bk. E. Abut.	195+92.89	-5.83	683.59	683.59

CROWN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+20.92	-1.25	683.71	683.71
℄ Brg. W. Abut.	195+23.59	-1.25	683.72	683.72
A	195+33.59	-1.25	683.74	683.78
B	195+43.59	-1.25	683.74	683.83
C	195+53.59	-1.25	683.74	683.84
D	195+63.59	-1.25	683.74	683.84
E	195+73.59	-1.25	683.72	683.78
℄ Brg. E. Abut.	195+88.32	-1.25	683.68	683.68
Bk. E. Abut.	195+90.99	-1.25	683.67	683.67

℄ IL 56

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+20.40	0.00	683.69	683.69
℄ Brg. W. Abut.	195+23.07	0.00	683.70	683.70
A	195+33.07	0.00	683.72	683.77
B	195+43.07	0.00	683.72	683.80
C	195+53.07	0.00	683.73	683.83
D	195+63.07	0.00	683.72	683.82
E	195+73.07	0.00	683.70	683.76
℄ Brg. E. Abut.	195+87.80	0.00	683.66	683.66
Bk. E. Abut.	195+90.47	0.00	683.65	683.65

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+19.99	1.00	683.67	683.67
℄ Brg. W. Abut.	195+22.66	1.00	683.68	683.68
A	195+32.66	1.00	683.70	683.74
B	195+42.66	1.00	683.71	683.79
C	195+52.66	1.00	683.71	683.81
D	195+62.66	1.00	683.70	683.79
E	195+72.66	1.00	683.69	683.76
℄ Brg. E. Abut.	195+87.39	1.00	683.65	683.65
Bk. E. Abut.	195+90.06	1.00	683.64	683.64

BEAM 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+18.33	5.00	683.61	683.61
℄ Brg. W. Abut.	195+21.00	5.00	683.61	683.61
A	195+31.00	5.00	683.63	683.68
B	195+41.00	5.00	683.65	683.73
C	195+51.00	5.00	683.65	683.75
D	195+61.00	5.00	683.64	683.73
E	195+71.00	5.00	683.63	683.70
℄ Brg. E. Abut.	195+85.73	5.00	683.59	683.59
Bk. E. Abut.	195+88.40	5.00	683.58	683.58

EB PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+17.74	6.42	683.58	683.58
℄ Brg. W. Abut.	195+20.41	6.42	683.59	683.59
A	195+30.41	6.42	683.61	683.66
B	195+40.41	6.42	683.62	683.70
C	195+50.41	6.42	683.63	683.73
D	195+60.41	6.42	683.62	683.71
E	195+70.41	6.42	683.61	683.68
℄ Brg. E. Abut.	195+85.14	6.42	683.57	683.57
Bk. E. Abut.	195+87.81	6.42	683.56	683.56

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+15.50	11.83	683.49	683.49
℄ Brg. W. Abut.	195+18.17	11.83	683.50	683.50
A	195+28.17	11.83	683.52	683.57
B	195+38.17	11.83	683.54	683.62
C	195+48.17	11.83	683.54	683.64
D	195+58.17	11.83	683.54	683.63
E	195+68.17	11.83	683.53	683.59
℄ Brg. E. Abut.	195+82.90	11.83	683.49	683.49
Bk. E. Abut.	195+85.57	11.83	683.49	683.49

EB STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+14.29	14.75	683.44	683.44
℄ Brg. W. Abut.	195+16.96	14.75	683.45	683.45
A	195+26.96	14.75	683.47	683.51
B	195+36.96	14.75	683.49	683.57
C	195+46.96	14.75	683.50	683.60
D	195+56.96	14.75	683.49	683.58
E	195+66.96	14.75	683.48	683.54
℄ Brg. E. Abut.	195+81.69	14.75	683.45	683.45
Bk. E. Abut.	195+84.36	14.75	683.44	683.44

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+12.67	18.67	683.38	683.38
℄ Brg. W. Abut.	195+15.34	18.67	683.39	683.39
A	195+25.34	18.67	683.41	683.45
B	195+35.34	18.67	683.43	683.51
C	195+45.34	18.67	683.43	683.53
D	195+55.34	18.67	683.43	683.52
E	195+65.34	18.67	683.42	683.48
℄ Brg. E. Abut.	195+80.07	18.67	683.39	683.39
Bk. E. Abut.	195+82.74	18.67	683.39	683.39

BEAM 12

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+09.84	25.50	683.26	683.26
℄ Brg. W. Abut.	195+12.51	25.50	683.27	683.27
A	195+22.51	25.50	683.30	683.34
B	195+32.51	25.50	683.32	683.40
C	195+42.51	25.50	683.33	683.43
D	195+52.51	25.50	683.33	683.42
E	195+62.51	25.50	683.32	683.39
℄ Brg. E. Abut.	195+77.24	25.50	683.29	683.29
Bk. E. Abut.	195+79.91	25.50	683.29	683.29

MODEL: Default
FILE NAME: W:\191-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\01B_Bridge Deck Replacement\D160P75_SHT-11_Top of Slab Elev III.dgn

2/1/2024 9:52:11 PM

BLA, Inc.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS III
STRUCTURE NO. 022-0057
SHEET 11 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	297
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		

BEAM 13

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+07.01	32.33	683.15	683.15
℄ Brg. W. Abut.	195+09.67	32.33	683.16	683.16
A	195+19.67	32.33	683.18	683.24
B	195+29.67	32.33	683.21	683.29
C	195+39.67	32.33	683.22	683.32
D	195+49.67	32.33	683.22	683.32
E	195+59.67	32.33	683.22	683.29
℄ Brg. E. Abut.	195+74.42	32.33	683.19	683.19
Bk. E. Abut.	195+77.08	32.33	683.19	683.19

BEAM 14

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+04.18	39.17	683.03	683.03
℄ Brg. W. Abut.	195+06.85	39.17	683.04	683.04
A	195+16.85	39.17	683.07	683.11
B	195+26.85	39.17	683.09	683.17
C	195+36.85	39.17	683.11	683.21
D	195+46.85	39.17	683.11	683.21
E	195+56.85	39.17	683.11	683.18
℄ Brg. E. Abut.	195+71.58	39.17	683.09	683.09
Bk. E. Abut.	195+74.25	39.17	683.09	683.09

BEAM 15

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	195+01.35	46.00	682.91	682.91
℄ Brg. W. Abut.	195+04.02	46.00	682.92	682.92
A	195+14.02	46.00	682.96	683.00
B	195+24.02	46.00	682.98	683.07
C	195+34.02	46.00	683.00	683.10
D	195+44.02	46.00	683.01	683.10
E	195+54.02	46.00	683.01	683.07
℄ Brg. E. Abut.	195+68.75	46.00	682.99	682.99
Bk. E. Abut.	195+71.42	46.00	682.99	682.99

MODEL: Default
FILE NAME: WA191-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\018_Bridge Deck Replacement\D160P75_SHT-12_Top of Slab Elev IV.dgn
2/1/2024 9:52:12 PM

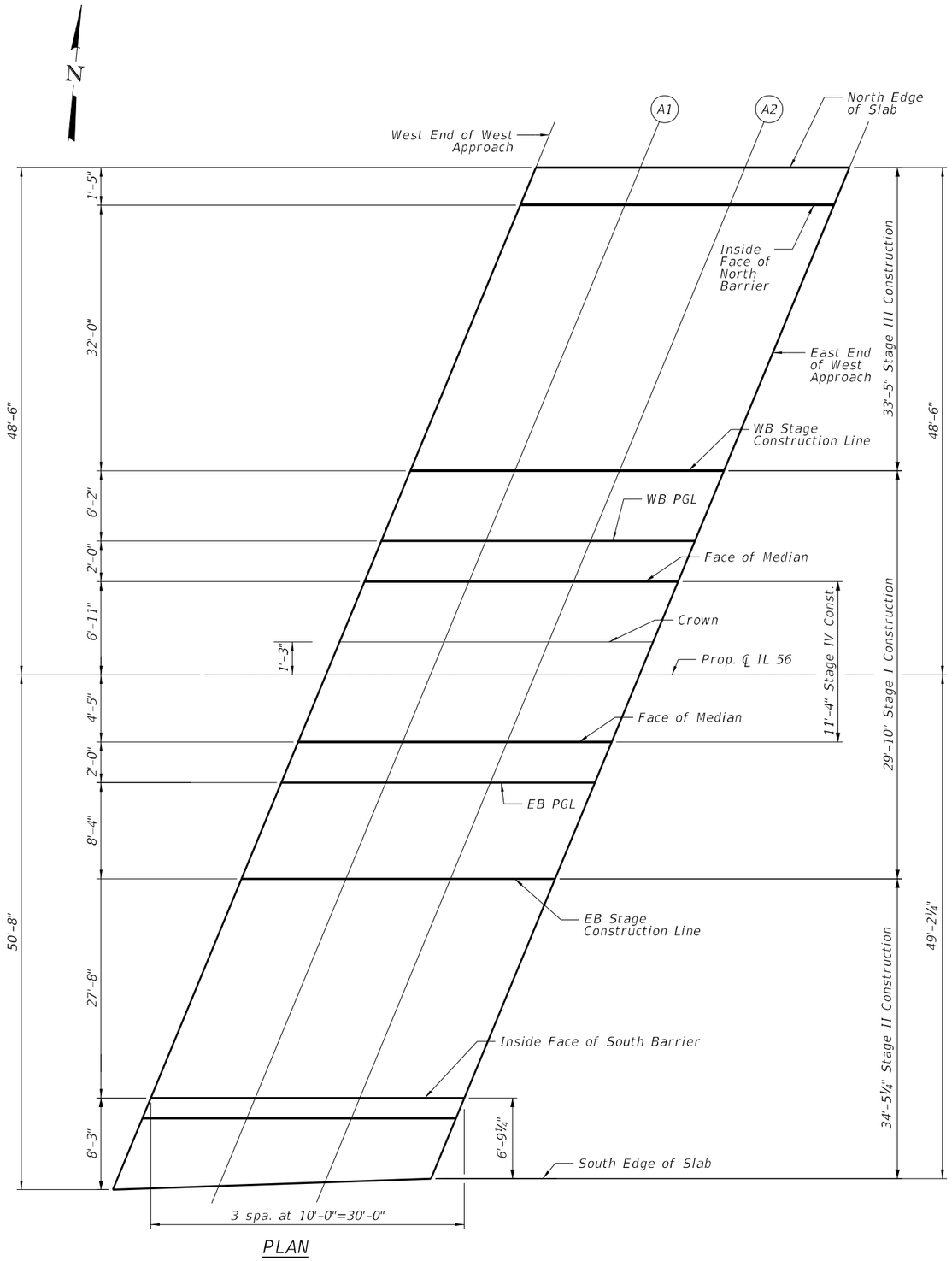
BLA, Inc.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS IV
STRUCTURE NO. 022-0057
SHEET 12 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	298
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



PLAN

NORTH EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	195+11.49	-48.50	682.95
A1	195+21.49	-48.50	682.98
A2	195+31.49	-48.50	682.99
E. End of W. Approach	195+41.49	-48.50	683.00

INSIDE FACE OF NORTH BARRIER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	195+10.90	-47.08	682.97
A1	195+20.90	-47.08	683.00
A2	195+30.90	-47.08	683.02
E. End of W. Approach	195+40.90	-47.08	683.03

WB STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	194+97.65	-15.08	683.42
A1	195+07.65	-15.08	683.46
A2	195+17.65	-15.08	683.49
E. End of W. Approach	195+27.65	-15.08	683.51

WB PGL

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	194+95.09	-8.92	683.50
A1	195+05.09	-8.92	683.54
A2	195+15.09	-8.92	683.58
E. End of W. Approach	195+25.09	-8.92	683.60

CROWN

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	194+91.92	-1.25	683.61
A1	195+01.92	-1.25	683.65
A2	195+11.92	-1.25	683.69
E. End of W. Approach	195+21.92	-1.25	683.71

PROPOSED ℄ IL 56

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	194+91.40	0.00	683.59
A1	195+01.40	0.00	683.63
A2	195+11.40	0.00	683.67
E. End of W. Approach	195+21.48	0.00	683.69

EB PGL

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	194+88.74	6.42	683.47
A1	194+98.74	6.42	683.52
A2	195+08.74	6.42	683.56
E. End of W. Approach	195+18.74	6.42	683.59

EB STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	194+85.29	14.75	683.32
A1	194+95.29	14.75	683.37
A2	195+05.29	14.75	683.41
E. End of W. Approach	195+15.29	14.75	683.45

INSIDE FACE OF SOUTH BARRIER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	194+73.83	42.42	682.83
A1	194+83.83	42.42	682.88
A2	194+93.83	42.42	682.93
E. End of W. Approach	195+03.83	42.42	682.98

SOUTH EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	194+71.03	50.67	682.67
A1	194+80.82	50.17	682.75
A2	194+90.62	49.68	682.80
E. End of W. Approach	195+00.41	49.19	682.86

MODEL: Default
FILE NAME: W:\191-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\018_Bridge Deck Replacement\D160P75_SHT-13_West Appr Slab Elev.dgn
2/1/2024 9:52:13 PM

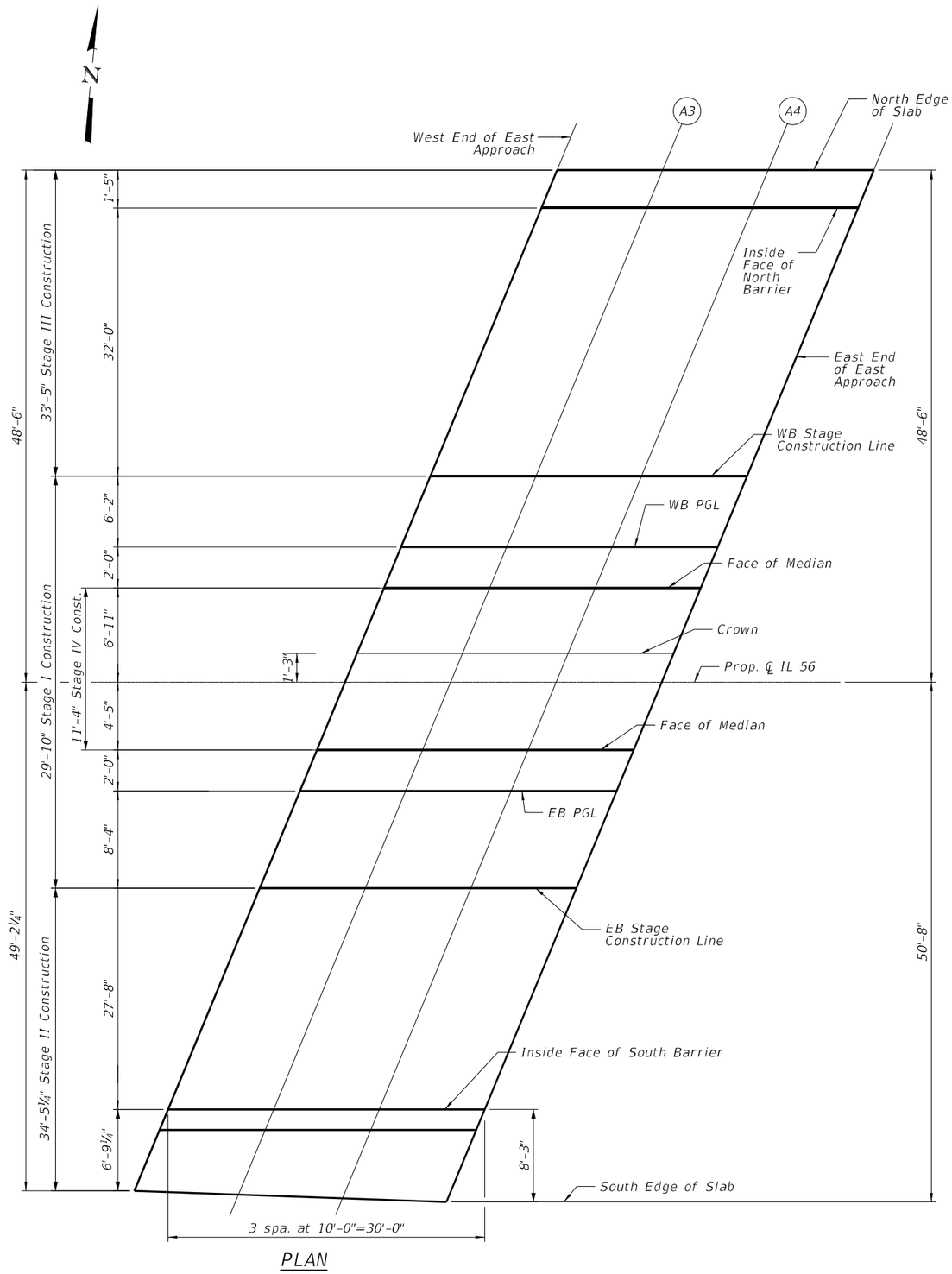
BLA, Inc.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 022-0057
SHEET 13 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	299
		CONTRACT NO. 60P75		
	ILLINOIS	FED. AID PROJECT		



PLAN

NORTH EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	196+09.56	-48.50	682.85
A3	196+19.56	-48.50	682.80
A4	196+29.56	-48.50	682.74
E. End of E. Approach	196+39.56	-48.50	682.67

INSIDE FACE OF NORTH BARRIER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	196+08.97	-47.08	682.88
A3	196+18.97	-47.08	682.83
A4	196+28.97	-47.08	682.76
E. End of E. Approach	196+38.97	-47.08	682.69

WB STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	195+95.72	-15.08	683.44
A3	196+05.72	-15.08	683.40
A4	196+15.72	-15.08	683.34
E. End of E. Approach	196+25.72	-15.08	683.28

WB PGL

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	195+93.16	-8.92	683.54
A3	196+03.16	-8.92	683.50
A4	196+13.16	-8.92	683.45
E. End of E. Approach	196+23.16	-8.92	683.40

CROWN

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	195+89.99	-1.25	683.68
A3	195+99.99	-1.25	683.64
A4	196+09.99	-1.25	683.59
E. End of E. Approach	196+19.99	-1.25	683.54

PROPOSED ℄ IL 56

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	195+89.39	0.00	683.66
A3	195+99.39	0.00	683.62
A4	196+09.39	0.00	683.57
E. End of E. Approach	196+19.39	0.00	683.52

EB PGL

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	195+86.81	6.42	683.57
A3	195+96.81	6.42	683.53
A4	196+06.81	6.42	683.49
E. End of E. Approach	196+16.81	6.42	683.43

EB STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	195+83.36	14.75	683.45
A3	195+93.36	14.75	683.41
A4	196+03.36	14.75	683.37
E. End of E. Approach	196+13.36	14.75	683.32

INSIDE FACE OF SOUTH BARRIER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	195+71.90	42.42	683.04
A3	195+81.90	42.42	683.02
A4	195+91.90	42.42	682.99
E. End of E. Approach	196+01.90	42.42	682.95

SOUTH EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Approach	195+69.10	49.19	682.94
A3	195+78.89	49.68	682.91
A4	195+88.69	50.17	682.88
E. End of E. Approach	195+98.48	50.67	682.83

BLA, Inc.

USER NAME =	DESIGNED - J	REVISED -
	CHECKED - JJI	REVISED -
PLOT SCALE =	DRAWN - JJ	REVISED -
PLOT DATE =	CHECKED - JJI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 022-0057
SHEET 14 OF 36 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56&57)R-4	DuPAGE	529	300
		CONTRACT NO. 60P75		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: W:\191-134_IDOT_IL 53 at IL 56\CADD_Sheets\Structural\01B_Bridge Deck Replacement\D160P75_SHT-14_East Appr Slab Elev.dgn
2/1/2024 9:52:13 PM