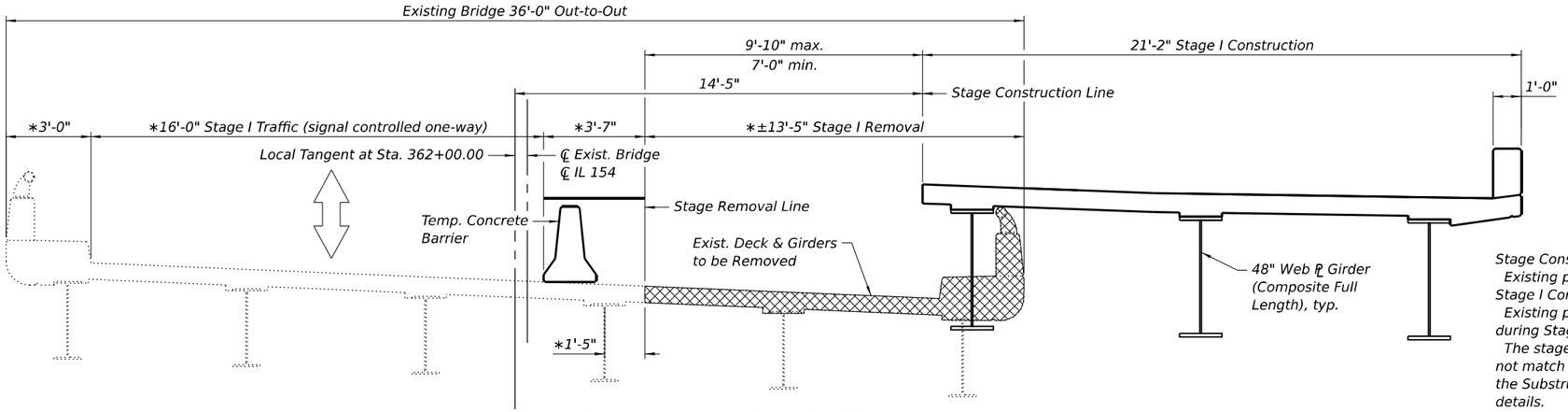
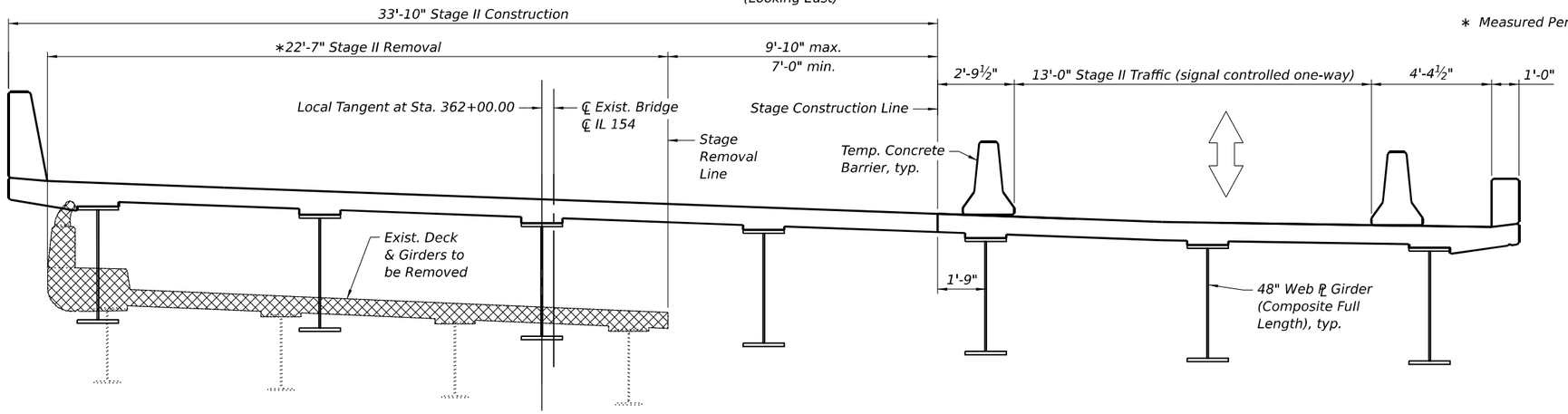


STAGE I REMOVAL, TRAFFIC & CONSTRUCTION

(Looking East)

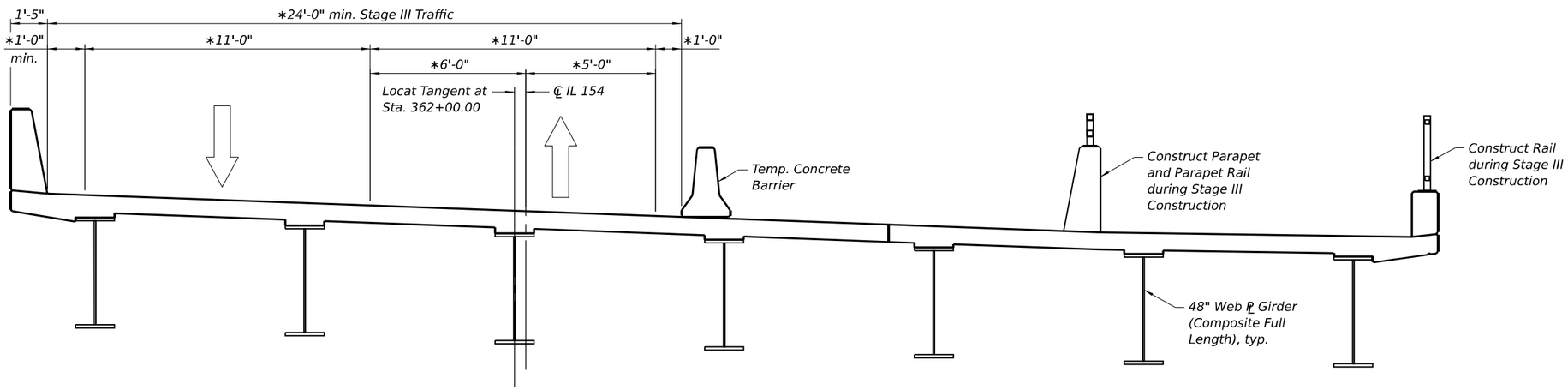
Stage Construction Notes:
Existing piers shall remain in their entirety during Stage I Construction.
Existing piers shall be removed in their entirety during Stage II Removal.
The stage construction line at the new piers does not match that of the new deck and abutments. See the Substructure Layout, Pier 1 and Pier 2 sheets for details.
Transverse dimensions are measured prependicular to the Local Tangent, U.N.O.

∗ Measured Perpendicular to ℄ IL 154.



STAGE II REMOVAL, TRAFFIC & CONSTRUCTION

(Looking East)



STAGE III TRAFFIC & CONSTRUCTION

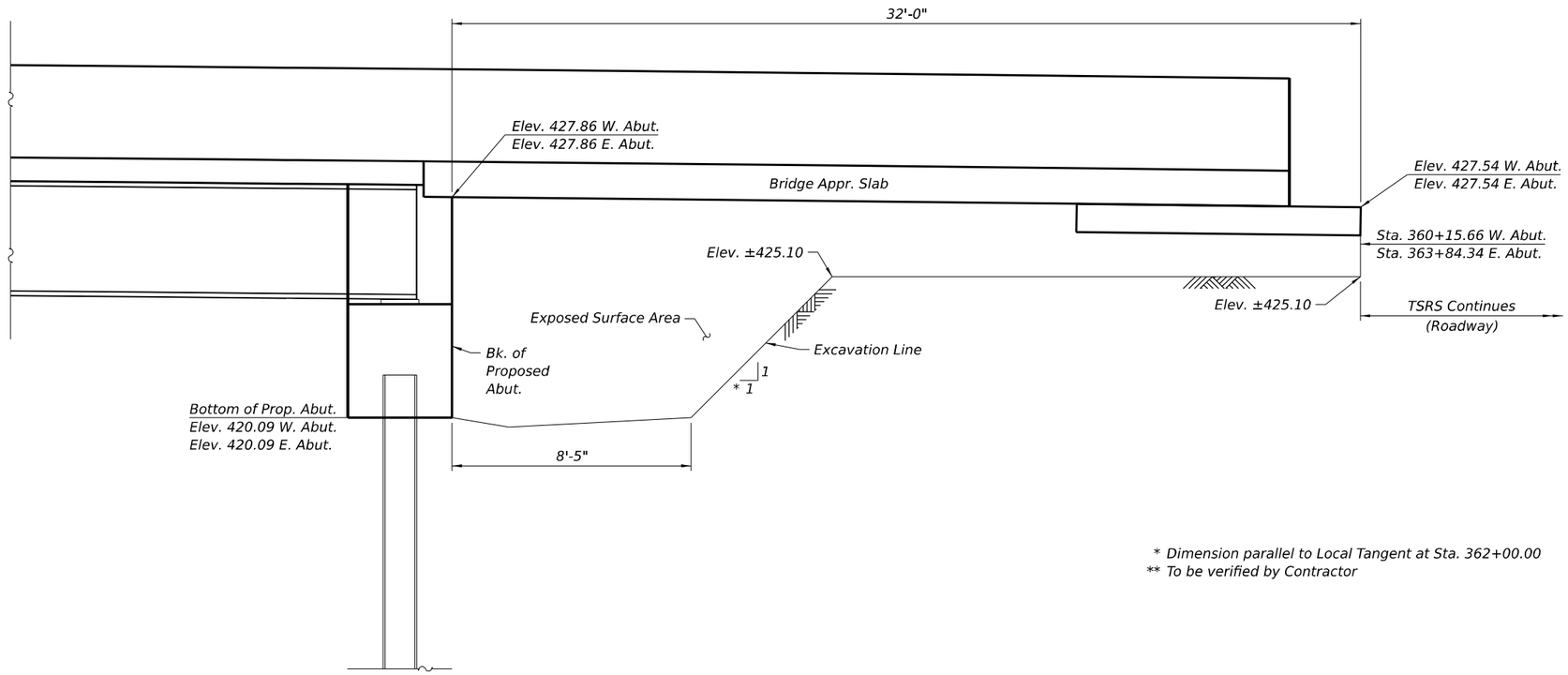
(Looking East)

MODEL: $MODELNAME$
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var PhI IIIWO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-004-Stage Construction.dgn

QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray	DESIGNED - RPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS STRUCTURE NO. 028-0095 SHEET 4 OF 41 SHEETS
	$FILES$	CHECKED - KFO	REVISED -		
	PLOT SCALE = 5.000 ' / in.	DRAWN - JDC	REVISED -		
	PLOT DATE =	CHECKED - MDC	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	201
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

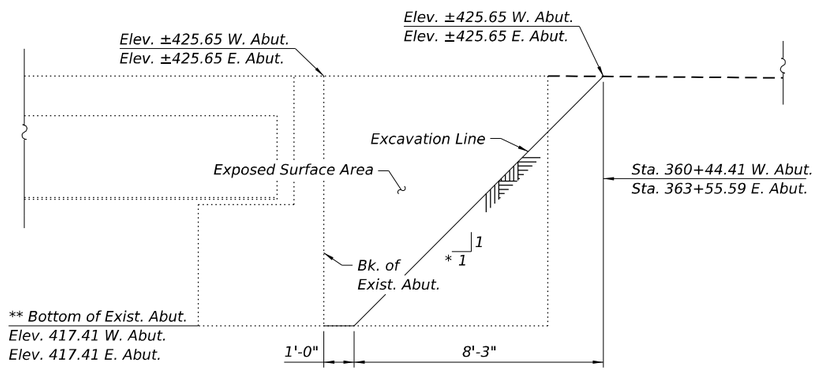
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* Dimension parallel to Local Tangent at Sta. 362+00.00
** To be verified by Contractor

TEMPORARY SOIL RETENTION SYSTEM STAGE I & II

(East Abutment shown, West Abutment similar)



TEMPORARY SOIL RETENTION SYSTEM STAGE I

(East Abutment shown, West Abutment similar)

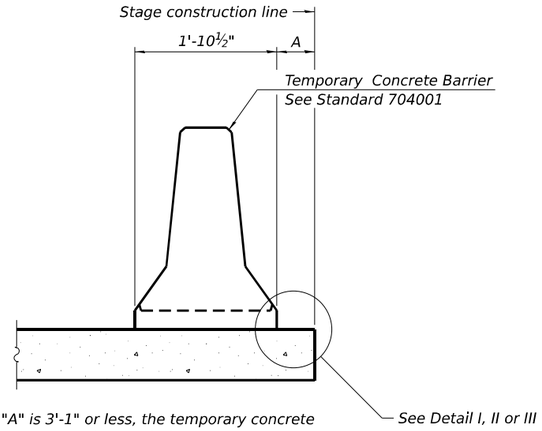
Notes:
The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
Temporary soil rentention system dimensions are shown along the Local Tangent at Sta. 362+00.00, U.N.O.
Stations are measured along ℄ IL 154.
Offsets are measured from ℄ IL 154.

MODEL: $MODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Pnl IIWV06 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-005-Stage Construction.dgn
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QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

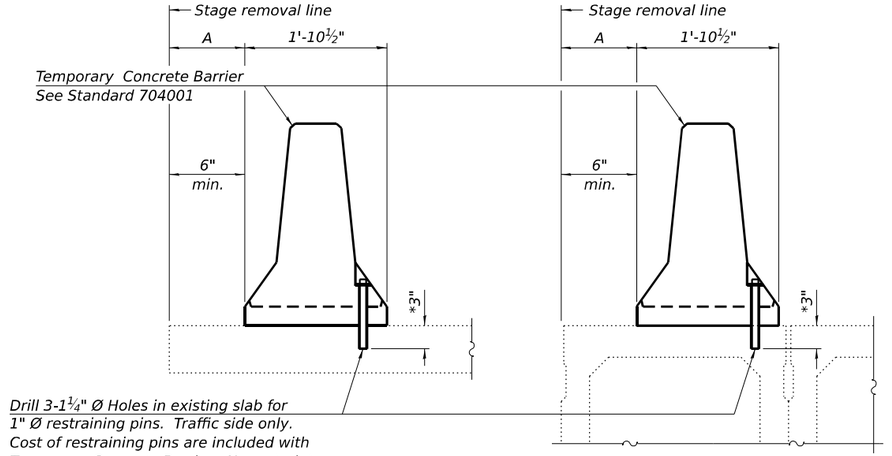
USER NAME = JCray	DESIGNED - RPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY SOIL RETENTION SYSTEM STRUCTURE NO. 028-0095
$FILES$	CHECKED - KFO	REVISED -		
PLOT SCALE = 5.000 ' / in.	DRAWN - JDC	REVISED -		
PLOT DATE =	CHECKED - MDC	REVISED -		SHEET 5 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	202
		CONTRACT NO. 78786		
	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

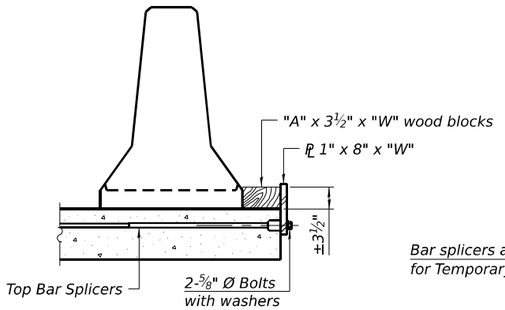


EXISTING SLAB

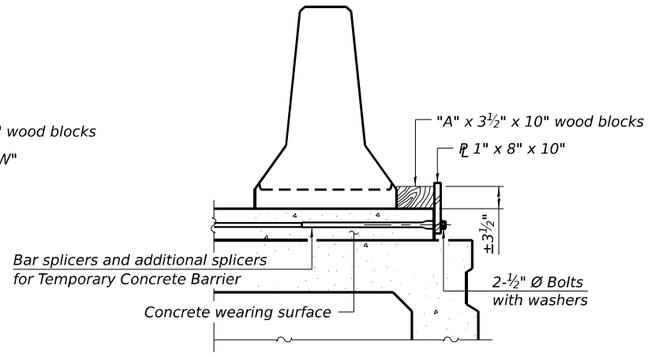
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

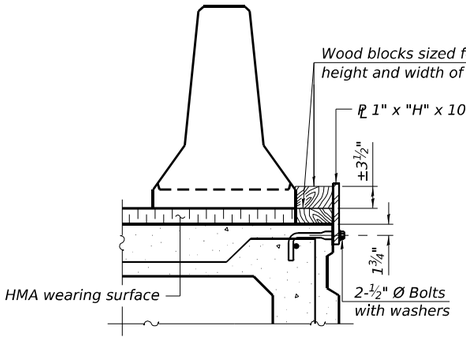
SECTIONS THRU SLAB OR DECK BEAM



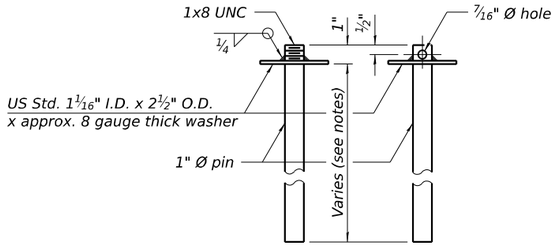
DETAIL I



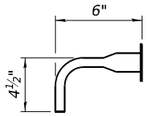
DETAIL II



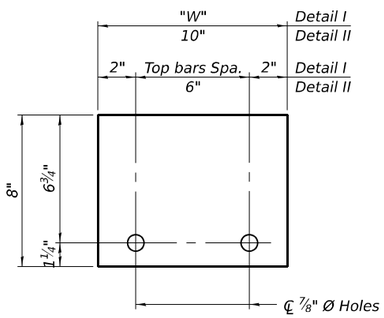
DETAIL III



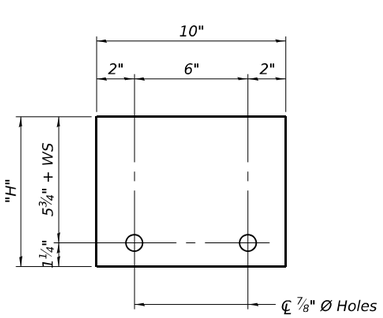
RESTRAINING PIN



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

5-15-2023

MODEL: $MODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Pnl III\WO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-006-Temp. Concrete Barrier.dgn

QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

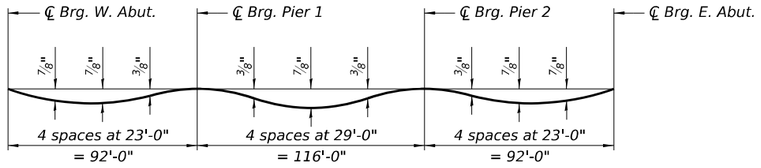
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PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -	
PLOT DATE =	CHECKED - MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 028-0095
SHEET 6 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	203
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

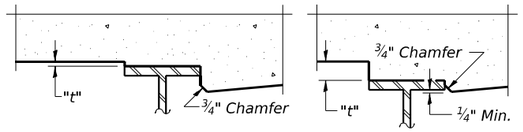
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DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

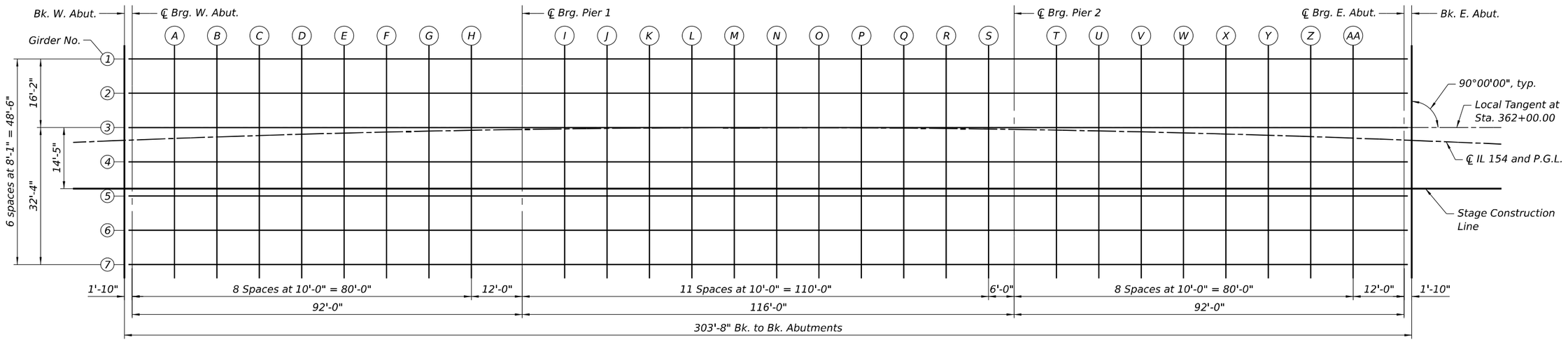
Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 8 thru 10 of 41.



At Minimum Fillet At Maximum Fillet

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 on sheets 8 thru 10 of 41, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

Notes:
Transverse dimensions are measured perpendicular to the Local Tangent.
Longitudinal dimensions are measured along the Local Tangent.

MODEL: $MODELNAME$
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var PhI IIWO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-007-Top of Slab Elevations.dgn
5/5/2025 1:23:05 PM

QUIGG ENGINEERING INC	USER NAME = JCray	DESIGNED - KFO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DESIGN FIRM REG. NO. 184.004721	$FILES$	CHECKED - RPW	REVISED -	TOP OF SLAB ELEVATIONS (1 OF 4) STRUCTURE NO. 028-0095
	PLOT SCALE = 25.000 ' / in.	DRAWN - JDC	REVISED -	SHEET 7 OF 41 SHEETS
	PLOT DATE =	CHECKED - MDC	REVISED -	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	204
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+48.89	-19.17	430.23	430.23
℄ Brg. - West Abut.	360+50.71	-19.10	430.25	430.25
A	360+60.65	-18.72	430.33	430.36
B	360+70.60	-18.37	430.40	430.46
C	360+80.55	-18.04	430.47	430.54
D	360+90.49	-17.74	430.54	430.61
E	361+00.44	-17.47	430.59	430.66
F	361+10.40	-17.22	430.65	430.69
G	361+20.35	-17.00	430.69	430.72
H	361+30.30	-16.81	430.73	430.75
℄ Brg. - Pier 1	361+42.25	-16.61	430.78	430.78
I	361+52.21	-16.47	430.81	430.81
J	361+62.16	-16.36	430.83	430.85
K	361+72.12	-16.27	430.85	430.88
L	361+82.08	-16.21	430.86	430.91
M	361+92.03	-16.18	430.87	430.93
N	362+01.99	-16.17	430.87	430.93
O	362+11.95	-16.19	430.87	430.92
P	362+21.91	-16.23	430.86	430.90
Q	362+31.86	-16.30	430.84	430.87
R	362+41.82	-16.40	430.82	430.83
S	362+51.78	-16.52	430.80	430.80
℄ Brg. - Pier 2	362+57.75	-16.61	430.78	430.78
T	362+67.71	-16.77	430.74	430.75
U	362+77.66	-16.96	430.70	430.73
V	362+87.61	-17.18	430.66	430.70
W	362+97.57	-17.42	430.60	430.67
X	363+07.52	-17.69	430.55	430.62
Y	363+17.47	-17.98	430.49	430.56
Z	363+27.41	-18.30	430.42	430.48
AA	363+37.36	-18.65	430.34	430.38
℄ Brg. - East Abut.	363+49.29	-19.10	430.25	430.25
Bk. East Abut.	363+51.11	-19.17	430.23	430.23

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+48.57	-11.10	429.93	429.93
℄ Brg. - West Abut.	360+50.39	-11.02	429.95	429.95
A	360+60.36	-10.64	430.03	430.06
B	360+70.33	-10.29	430.10	430.17
C	360+80.29	-9.97	430.17	430.25
D	360+90.26	-9.66	430.24	430.32
E	361+00.23	-9.39	430.29	430.37
F	361+10.21	-9.14	430.35	430.40
G	361+20.18	-8.92	430.39	430.43
H	361+30.16	-8.72	430.44	430.45
℄ Brg. - Pier 1	361+42.13	-8.52	430.48	430.48
I	361+52.10	-8.38	430.51	430.51
J	361+62.08	-8.27	430.53	430.55
K	361+72.06	-8.19	430.55	430.59
L	361+82.04	-8.13	430.56	430.62
M	361+92.02	-8.09	430.57	430.64
N	362+02.00	-8.08	430.57	430.64
O	362+11.98	-8.10	430.57	430.63
P	362+21.95	-8.15	430.56	430.61
Q	362+31.93	-8.22	430.54	430.57
R	362+41.91	-8.31	430.52	430.54
S	362+51.89	-8.44	430.50	430.50
℄ Brg. - Pier 2	362+57.87	-8.52	430.48	430.48
T	362+67.85	-8.69	430.44	430.45
U	362+77.82	-8.88	430.40	430.43
V	362+87.80	-9.10	430.36	430.41
W	362+97.77	-9.34	430.31	430.37
X	363+07.74	-9.61	430.25	430.33
Y	363+17.71	-9.90	430.19	430.27
Z	363+27.68	-10.22	430.12	430.18
AA	363+37.65	-10.57	430.04	430.08
℄ Brg. - East Abut.	363+49.61	-11.02	429.95	429.95
Bk. East Abut.	363+51.43	-11.10	429.93	429.93

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+48.25	-3.02	429.63	429.63
℄ Brg. - West Abut.	360+50.08	-2.95	429.65	429.65
A	360+60.06	-2.57	429.73	429.76
B	360+70.05	-2.21	429.80	429.87
C	360+80.04	-1.89	429.87	429.95
D	360+90.03	-1.58	429.94	430.02
E	361+00.02	-1.31	430.00	430.07
F	361+10.02	-1.06	430.05	430.10
G	361+20.01	-0.84	430.10	430.13
H	361+30.01	-0.64	430.14	430.15
℄ Brg. - Pier 1	361+42.00	-0.44	430.18	430.18
I	361+52.00	-0.30	430.21	430.22
J	361+62.00	-0.19	430.23	430.25
K	361+72.00	-0.10	430.25	430.29
L	361+82.00	-0.04	430.27	430.32
M	361+92.00	-0.01	430.27	430.34
N	362+02.00	0.00	430.27	430.34
O	362+12.00	-0.02	430.27	430.33
P	362+22.00	-0.06	430.26	430.31
Q	362+32.00	-0.13	430.25	430.28
R	362+42.00	-0.23	430.23	430.24
S	362+52.00	-0.35	430.20	430.20
℄ Brg. - Pier 2	362+58.00	-0.44	430.18	430.18
T	362+67.99	-0.61	430.15	430.15
U	362+77.99	-0.80	430.11	430.13
V	362+87.98	-1.01	430.06	430.11
W	362+97.98	-1.26	430.01	430.08
X	363+07.97	-1.53	429.95	430.03
Y	363+17.96	-1.82	429.89	429.97
Z	363+27.95	-2.15	429.82	429.88
AA	363+37.94	-2.49	429.74	429.79
℄ Brg. - East Abut.	363+49.92	-2.95	429.65	429.65
Bk. East Abut.	363+51.75	-3.02	429.63	429.63

Notes:
Stations are measured along ℄ IL 154.
Offsets are measured from ℄ IL 154.

℄ IL 154 & P.G.L.

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+48.13	0.00	429.52	429.52
℄ Brg. - West Abut.	360+49.96	0.00	429.54	429.54
A	360+59.97	0.00	429.63	429.67
B	360+69.98	0.00	429.72	429.78
C	360+79.98	0.00	429.80	429.88
D	360+89.99	0.00	429.88	429.96
E	360+99.99	0.00	429.95	430.02
F	361+09.99	0.00	430.01	430.06
G	361+19.99	0.00	430.07	430.10
H	361+30.00	0.00	430.11	430.13
℄ Brg. - Pier 1	361+42.00	0.00	430.16	430.16
I	361+52.00	0.00	430.20	430.20
J	361+62.00	0.00	430.23	430.25
K	361+72.00	0.00	430.25	430.29
L	361+82.00	0.00	430.26	430.32
M	361+92.00	0.00	430.27	430.34
N	362+02.00	0.00	430.27	430.34
O	362+12.00	0.00	430.27	430.33
P	362+22.00	0.00	430.26	430.31
Q	362+32.00	0.00	430.24	430.27
R	362+42.00	0.00	430.22	430.23
S	362+52.00	0.00	430.19	430.19
℄ Brg. - Pier 2	362+58.00	0.00	430.16	430.16
T	362+68.00	0.00	430.12	430.13
U	362+78.01	0.00	430.08	430.10
V	362+88.01	0.00	430.02	430.07
W	362+98.01	0.00	429.96	430.03
X	363+08.01	0.00	429.89	429.97
Y	363+18.02	0.00	429.82	429.90
Z	363+28.02	0.00	429.74	429.81
AA	363+38.03	0.00	429.65	429.69
℄ Brg. - East Abut.	363+50.04	0.00	429.54	429.54
Bk. East Abut.	363+51.87	0.00	429.52	429.52

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+47.93	5.06	429.33	429.33
℄ Brg. - West Abut.	360+49.76	5.13	429.35	429.35
A	360+59.77	5.51	429.43	429.46
B	360+69.78	5.87	429.50	429.57
C	360+79.79	6.19	429.57	429.65
D	360+89.80	6.50	429.64	429.72
E	360+99.81	6.77	429.70	429.77
F	361+09.83	7.02	429.75	429.80
G	361+19.84	7.24	429.80	429.83
H	361+29.86	7.44	429.84	429.85
℄ Brg. - Pier 1	361+41.88	7.64	429.88	429.88
I	361+51.90	7.78	429.91	429.92
J	361+61.92	7.89	429.94	429.96
K	361+71.94	7.98	429.96	429.99
L	361+81.96	8.04	429.97	430.02
M	361+91.98	8.08	429.98	430.04
N	362+02.00	8.08	429.98	430.05
O	362+12.03	8.06	429.97	430.04
P	362+22.05	8.02	429.96	430.01
Q	362+32.07	7.95	429.95	429.98
R	362+42.09	7.85	429.93	429.94
S	362+52.11	7.73	429.90	429.90
℄ Brg. - Pier 2	362+58.12	7.64	429.88	429.88
T	362+68.14	7.48	429.85	429.86
U	362+78.16	7.29	429.81	429.83
V	362+88.17	7.07	429.76	429.81
W	362+98.19	6.82	429.71	429.78
X	363+08.20	6.55	429.65	429.73
Y	363+18.21	6.26	429.59	429.67
Z	363+28.22	5.93	429.52	429.59
AA	363+38.23	5.59	429.44	429.49
℄ Brg. - East Abut.	363+50.24	5.13	429.35	429.35
Bk. East Abut.	363+52.08	5.06	429.33	429.33

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+47.67	11.39	429.10	429.10
℄ Brg. - West Abut.	360+49.51	11.46	429.11	429.11
A	360+59.53	11.84	429.19	429.23
B	360+69.56	12.20	429.27	429.33
C	360+79.59	12.52	429.34	429.42
D	360+89.61	12.83	429.40	429.49
E	360+99.64	13.10	429.46	429.53
F	361+09.68	13.35	429.52	429.57
G	361+19.71	13.58	429.56	429.60
H	361+29.74	13.77	429.61	429.62
℄ Brg. - Pier 1	361+41.79	13.98	429.65	429.65
I	361+51.82	14.11	429.68	429.68
J	361+61.86	14.23	429.70	429.72
K	361+71.89	14.31	429.72	429.76
L	361+81.93	14.37	429.74	429.79
M	361+91.97	14.41	429.74	429.81
N	362+02.01	14.42	429.74	429.81
O	362+12.05	14.40	429.74	429.80
P	362+22.08	14.35	429.73	429.78
Q	362+32.12	14.28	429.72	429.74
R	362+42.16	14.19	429.69	429.71
S	362+52.19	14.06	429.67	429.67
℄ Brg. - Pier 2	362+58.22	13.98	429.65	429.65
T	362+68.25	13.81	429.61	429.62
U	362+78.29	13.62	429.57	429.60
V	362+88.32	13.40	429.53	429.58
W	362+98.35	13.15	429.47	429.54
X	363+08.38	12.88	429.42	429.50
Y	363+18.41	12.59	429.35	429.43
Z	363+28.44	12.26	429.28	429.35
AA	363+38.46	11.91	429.21	429.25
℄ Brg. - East Abut.	363+50.49	11.46	429.11	429.11
Bk. East Abut.	363+52.33	11.39	429.10	429.10

Notes:
Stations are measured along ℄ IL 154.
Offsets are measured from ℄ IL 154.

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+47.60	13.14	429.03	429.03
℄ Brg. - West Abut.	360+49.44	13.21	429.05	429.05
A	360+59.47	13.59	429.13	429.16
B	360+69.50	13.95	429.20	429.27
C	360+79.53	14.27	429.27	429.35
D	360+89.56	14.58	429.34	429.42
E	360+99.60	14.85	429.40	429.47
F	361+09.63	15.10	429.45	429.50
G	361+19.67	15.33	429.50	429.53
H	361+29.71	15.52	429.54	429.55
℄ Brg. - Pier 1	361+41.76	15.72	429.59	429.59
I	361+51.80	15.86	429.62	429.62
J	361+61.84	15.98	429.64	429.66
K	361+71.88	16.06	429.66	429.69
L	361+81.92	16.12	429.67	429.73
M	361+91.97	16.16	429.68	429.74
N	362+02.01	16.17	429.68	429.75
O	362+12.05	16.15	429.68	429.74
P	362+22.09	16.10	429.67	429.71
Q	362+32.14	16.03	429.65	429.68
R	362+42.18	15.94	429.63	429.64
S	362+52.22	15.81	429.60	429.61
℄ Brg. - Pier 2	362+58.24	15.72	429.59	429.59
T	362+68.28	15.56	429.55	429.56
U	362+78.32	15.37	429.51	429.54
V	362+88.36	15.15	429.46	429.51
W	362+98.40	14.90	429.41	429.48
X	363+08.43	14.63	429.35	429.43
Y	363+18.46	14.34	429.29	429.37
Z	363+28.50	14.01	429.22	429.29
AA	363+38.53	13.66	429.14	429.19
℄ Brg. - East Abut.	363+50.56	13.21	429.05	429.05
Bk. East Abut.	363+52.40	13.14	429.03	429.03

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+47.28	21.21	428.77	428.77
℄ Brg. - West Abut.	360+49.12	21.29	428.78	428.78
A	360+59.17	21.67	428.86	428.90
B	360+69.22	22.02	428.94	429.00
C	360+79.27	22.35	429.01	429.09
D	360+89.33	22.66	429.08	429.16
E	360+99.38	22.93	429.14	429.21
F	361+09.44	23.18	429.19	429.24
G	361+19.50	23.41	429.24	429.27
H	361+29.56	23.60	429.28	429.29
℄ Brg. - Pier 1	361+41.63	23.81	429.32	429.32
I	361+51.70	23.95	429.35	429.36
J	361+61.76	24.06	429.38	429.40
K	361+71.82	24.15	429.40	429.43
L	361+81.89	24.21	429.41	429.46
M	361+91.95	24.24	429.42	429.48
N	362+02.01	24.25	429.42	429.49
O	362+12.08	24.23	429.41	429.48
P	362+22.14	24.19	429.41	429.45
Q	362+32.20	24.12	429.39	429.42
R	362+42.27	24.02	429.37	429.38
S	362+52.33	23.89	429.34	429.34
℄ Brg. - Pier 2	362+58.37	23.81	429.32	429.32
T	362+68.43	23.64	429.29	429.30
U	362+78.49	23.45	429.25	429.27
V	362+88.55	23.23	429.20	429.25
W	362+98.60	22.99	429.15	429.22
X	363+08.66	22.71	429.09	429.17
Y	363+18.72	22.42	429.03	429.11
Z	363+28.77	22.09	428.96	429.02
AA	363+38.82	21.74	428.88	428.92
℄ Brg. - East Abut.	363+50.88	21.29	428.78	428.78
Bk. East Abut.	363+52.72	21.21	428.77	428.77

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflections
Bk. West Abut.	360+46.95	29.29	428.64	428.64
℄ Brg. - West Abut.	360+48.80	29.36	428.66	428.66
A	360+58.87	29.75	428.74	428.77
B	360+68.94	30.10	428.82	428.88
C	360+79.02	30.43	428.89	428.96
D	360+89.09	30.74	428.95	429.03
E	360+99.17	31.01	429.01	429.08
F	361+09.25	31.26	429.07	429.12
G	361+19.33	31.49	429.12	429.14
H	361+29.41	31.69	429.16	429.17
℄ Brg. - Pier 1	361+41.51	31.89	429.20	429.20
I	361+51.59	32.03	429.23	429.24
J	361+61.68	32.14	429.26	429.27
K	361+71.76	32.23	429.28	429.31
L	361+81.85	32.29	429.29	429.34
M	361+91.93	32.33	429.30	429.36
N	362+02.02	32.33	429.30	429.36
O	362+12.10	32.31	429.29	429.35
P	362+22.19	32.27	429.28	429.33
Q	362+32.27	32.20	429.27	429.30
R	362+42.36	32.10	429.25	429.26
S	362+52.44	31.98	429.22	429.22
℄ Brg. - Pier 2	362+58.49	31.89	429.20	429.20
T	362+68.57	31.72	429.17	429.17
U	362+78.66	31.53	429.12	429.15
V	362+88.74	31.31	429.08	429.12
W	362+98.82	31.07	429.02	429.09
X	363+08.89	30.79	428.97	429.04
Y	363+18.97	30.50	428.90	428.98
Z	363+29.04	30.17	428.83	428.89
AA	363+39.18	29.82	428.76	428.79
℄ Brg. - East Abut.	363+51.20	29.36	428.66	428.66
Bk. East Abut.	363+53.05	29.29	428.64	428.64

Notes:
Stations are measured along ℄ IL 154.
Offsets are measured from ℄ IL 154.

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NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	360+20.15	-22.26	430.04
A1	360+30.08	-21.80	430.13
A2	360+40.02	-21.37	430.22
E. End of W. Appr. Slab	360+49.95	-20.96	430.31

NORTH EDGE OF PAVEMENT

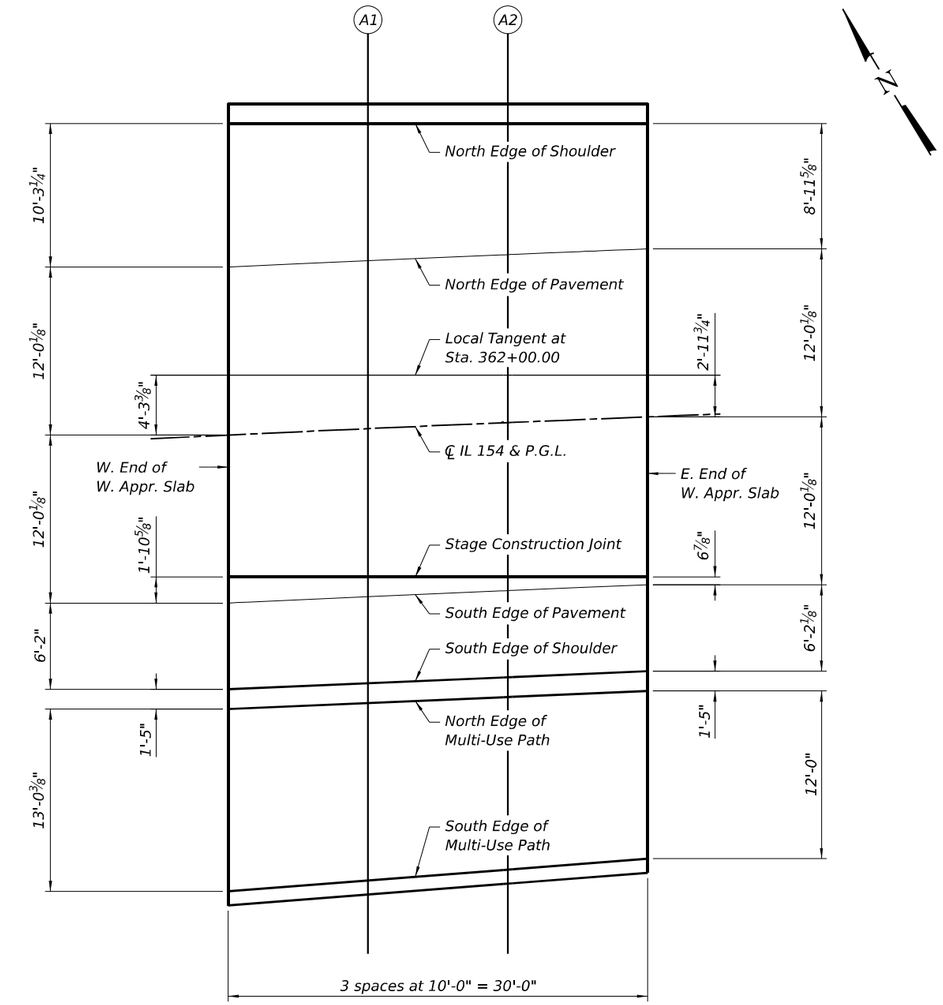
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	360+19.67	-12.00	429.65
A1	360+29.65	-12.00	429.77
A2	360+39.62	-12.00	429.87
E. End of W. Appr. Slab	360+49.60	-12.00	429.98

℄ IL 154 & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	360+19.10	0.00	429.20
A1	360+29.11	0.00	429.32
A2	360+39.12	0.00	429.43
E. End of W. Appr. Slab	360+49.13	0.00	429.53

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	360+18.62	10.12	428.83
A1	360+28.63	10.58	428.92
A2	360+38.65	11.02	429.02
E. End of W. Appr. Slab	360+48.67	11.43	429.11



PLAN

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	360+18.53	12.00	428.76
A1	360+28.57	12.00	428.87
A2	360+38.61	12.00	428.98
E. End of W. Appr. Slab	360+48.65	12.00	429.08

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	360+18.23	18.16	428.53
A1	360+28.29	18.19	428.64
A2	360+38.35	18.19	428.75
E. End of W. Appr. Slab	360+48.41	18.17	428.85

NORTH EDGE OF MULTI-USE PATH

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	360+18.17	19.58	428.47
A1	360+28.23	19.61	428.59
A2	360+38.29	19.61	428.70
E. End of W. Appr. Slab	360+48.35	19.59	428.80

SOUTH EDGE OF MULTI-USE PATH

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	360+17.54	32.59	428.27
A1	360+27.65	32.28	428.39
A2	360+37.76	31.94	428.51
E. End of W. Appr. Slab	360+47.87	31.58	428.62

Notes:
Stations are measured along ℄ IL 154.
Offsets are measured from ℄ IL 154.
Transverse dimensions are measured perpendicular to the Local Tangent.
Longitudinal dimensions are measured along the Local Tangent.

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QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

USER NAME = JCray	DESIGNED - KFO	REVISED -
$FILES$	CHECKED - RPW	REVISED -
PLOT SCALE = 10.833 ' / in.	DRAWN - JDC	REVISED -
PLOT DATE =	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 028-0095
SHEET 11 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	208
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	363+50.05	-20.96	430.31
A3	363+59.99	-21.37	430.22
A4	363+69.92	-21.80	430.13
E. End of E. Appr. Slab	363+79.85	-22.26	430.04

NORTH EDGE OF PAVEMENT

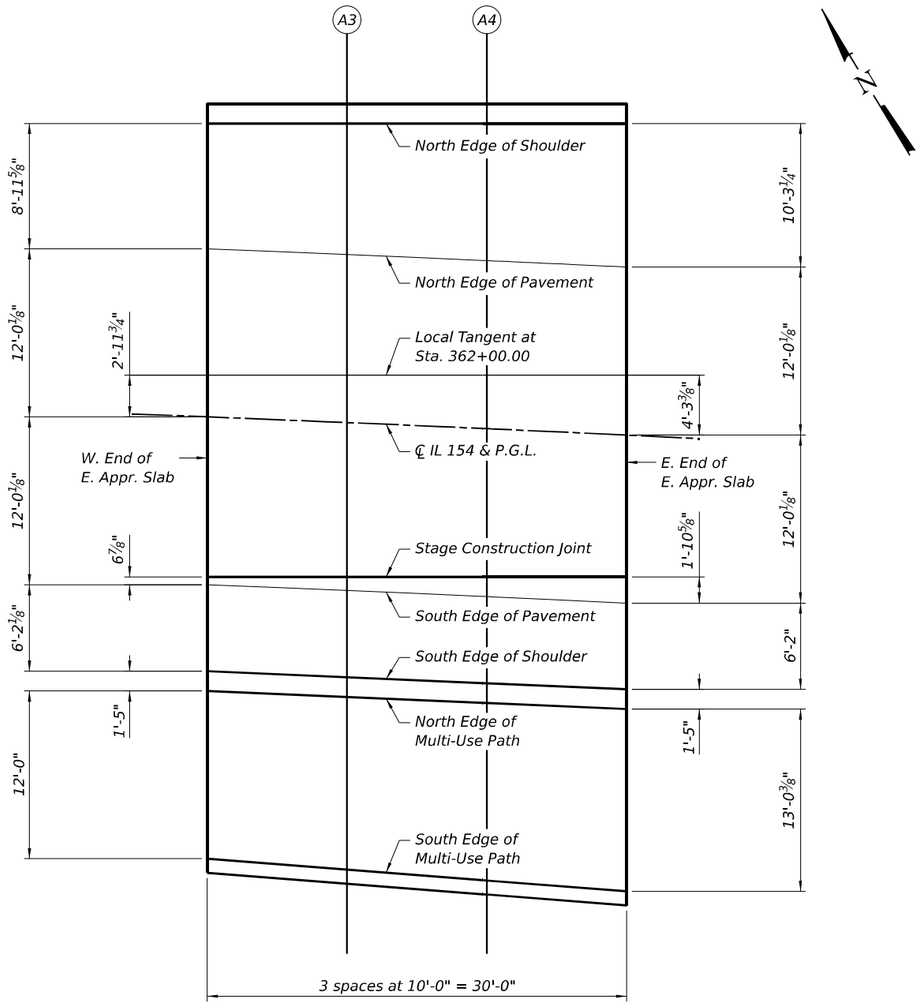
Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	363+50.40	-12.00	429.98
A3	363+60.38	-12.00	429.87
A4	363+70.35	-12.00	429.77
E. End of E. Appr. Slab	363+80.33	-12.00	429.65

℄ IL 154 & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	363+50.87	0.00	429.53
A3	363+60.88	0.00	429.43
A4	363+70.89	0.00	429.32
E. End of E. Appr. Slab	363+80.90	0.00	429.20

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	363+51.33	11.43	429.11
A3	363+61.35	11.02	429.02
A4	363+71.37	10.58	428.92
E. End of E. Appr. Slab	363+81.38	10.12	428.83



PLAN

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	363+51.35	12.00	429.08
A3	363+61.39	12.00	428.98
A4	363+71.43	12.00	428.87
E. End of E. Appr. Slab	363+81.47	12.00	428.67

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	363+51.59	18.17	428.85
A3	363+61.65	18.19	428.75
A4	363+71.71	18.19	428.64
E. End of E. Appr. Slab	363+81.77	18.16	428.53

NORTH EDGE OF MULTI-USE PATH

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	363+51.65	19.59	428.80
A3	363+61.71	19.61	428.70
A4	363+71.77	19.61	428.59
E. End of E. Appr. Slab	363+81.83	19.58	428.47

SOUTH EDGE OF MULTI-USE PATH

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	363+52.13	31.58	428.62
A3	363+62.24	31.94	428.51
A4	363+72.35	32.28	428.39
E. End of E. Appr. Slab	363+82.46	32.59	428.27

Notes:
Stations are measured along ℄ IL 154.
Offsets are measured from ℄ IL 154.
Transverse dimensions are measured perpendicular to the Local Tangent.
Longitudinal dimensions are measured along the Local Tangent.

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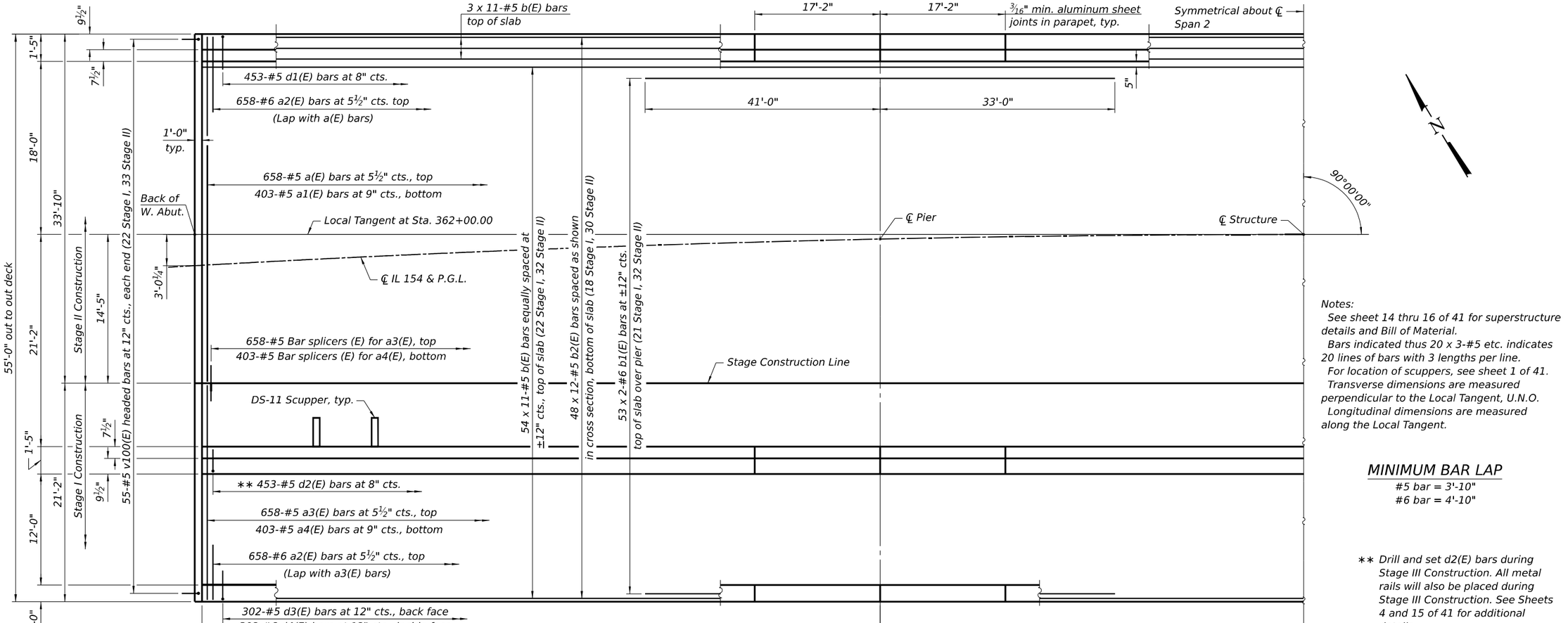
QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

USER NAME = JCray	DESIGNED - KFO	REVISED -
$FILES$	CHECKED - RPW	REVISED -
PLOT SCALE = 10.833 ' / in.	DRAWN - JDC	REVISED -
PLOT DATE =	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 028-0095
SHEET 12 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	209
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



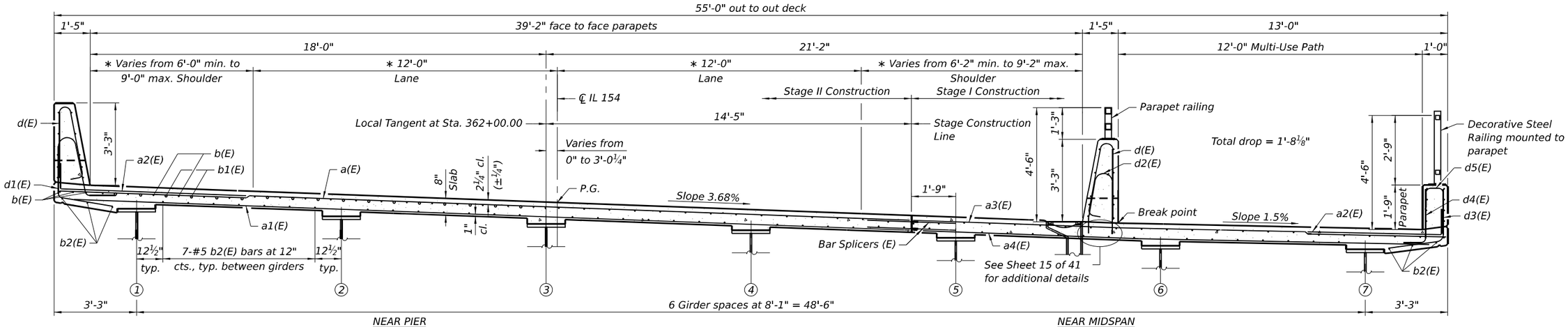
PARTIAL PLAN

Notes:
See sheet 14 thru 16 of 41 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
For location of scuppers, see sheet 1 of 41.
Transverse dimensions are measured perpendicular to the Local Tangent, U.N.O.
Longitudinal dimensions are measured along the Local Tangent.

MINIMUM BAR LAP

#5 bar = 3'-10"
#6 bar = 4'-10"

** Drill and set d2(E) bars during Stage III Construction. All metal rails will also be placed during Stage III Construction. See Sheets 4 and 15 of 41 for additional details.



CROSS SECTION

(Looking East)

* Measured Radially to ℄ IL 154.

MODEL: $MODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Pnl III\WO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-013-Superstructure.dgn
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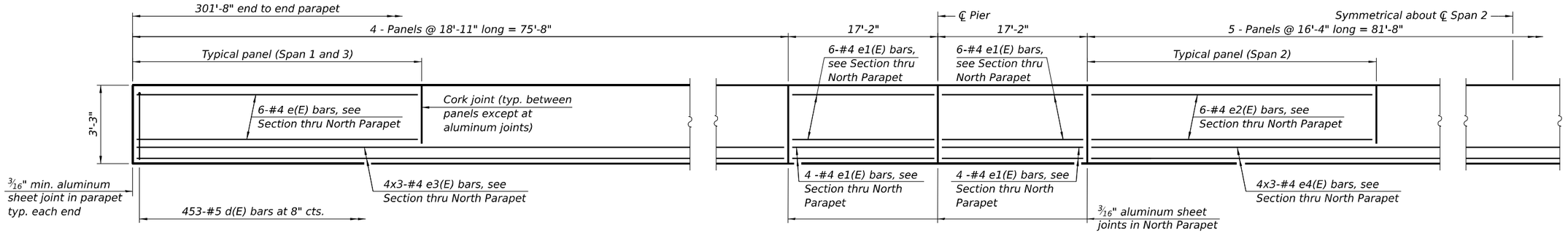
QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

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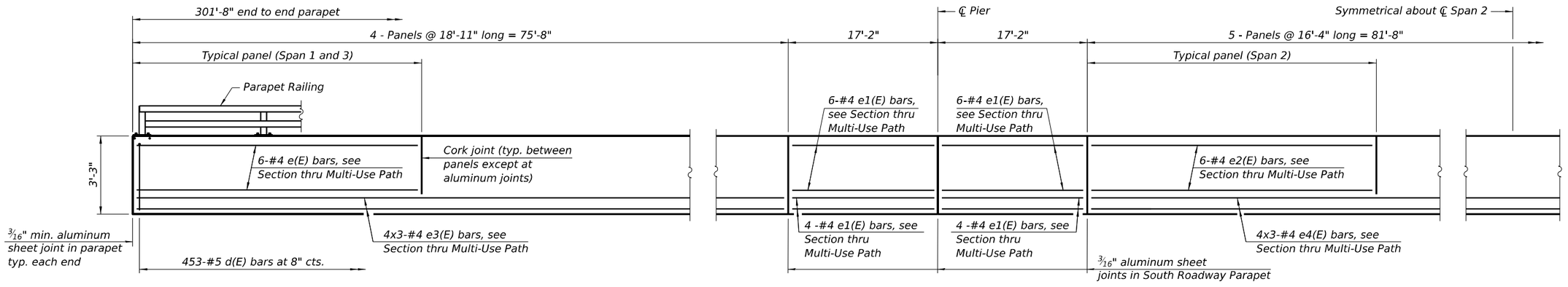
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 028-0095
SHEET 13 OF 41 SHEETS

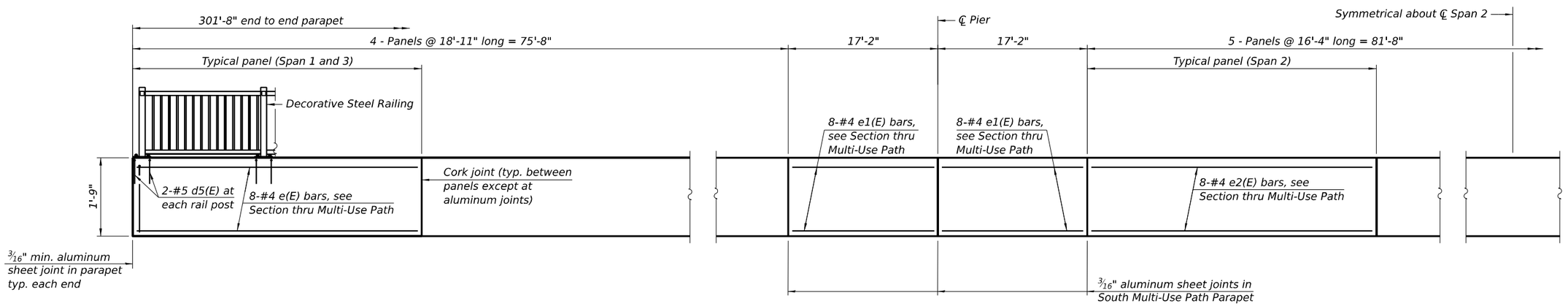
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	210
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



INSIDE ELEVATION OF NORTH PARAPET



INSIDE ELEVATION OF SOUTH ROADWAY PARAPET



INSIDE ELEVATION OF SOUTH MULTI-USE PATH PARAPET

MINIMUM BAR LAP

#4 bar = 2'-2"

Notes:
See sheet 13, 15 and 16 of 41 for additional superstructure details and Bill of Material.
Bars indicated thus 4x3-#4 etc. indicates 4 line of bars with 3 length per line.

MODEL: $MODELNAME$
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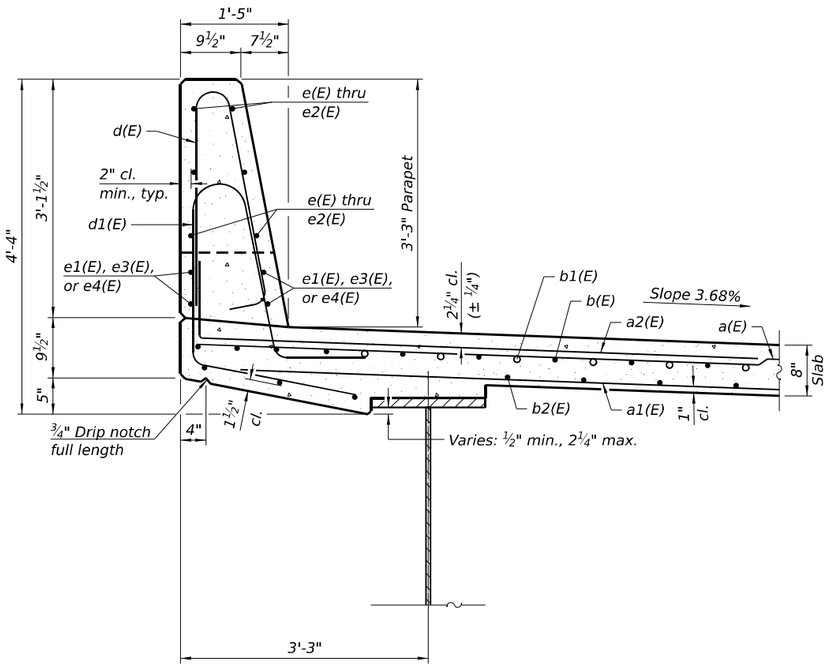
QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

USER NAME = JCray	DESIGNED - KFO	REVISED -	
$FILES$	CHECKED - RPW	REVISED -	
PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -	
PLOT DATE =	CHECKED - MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

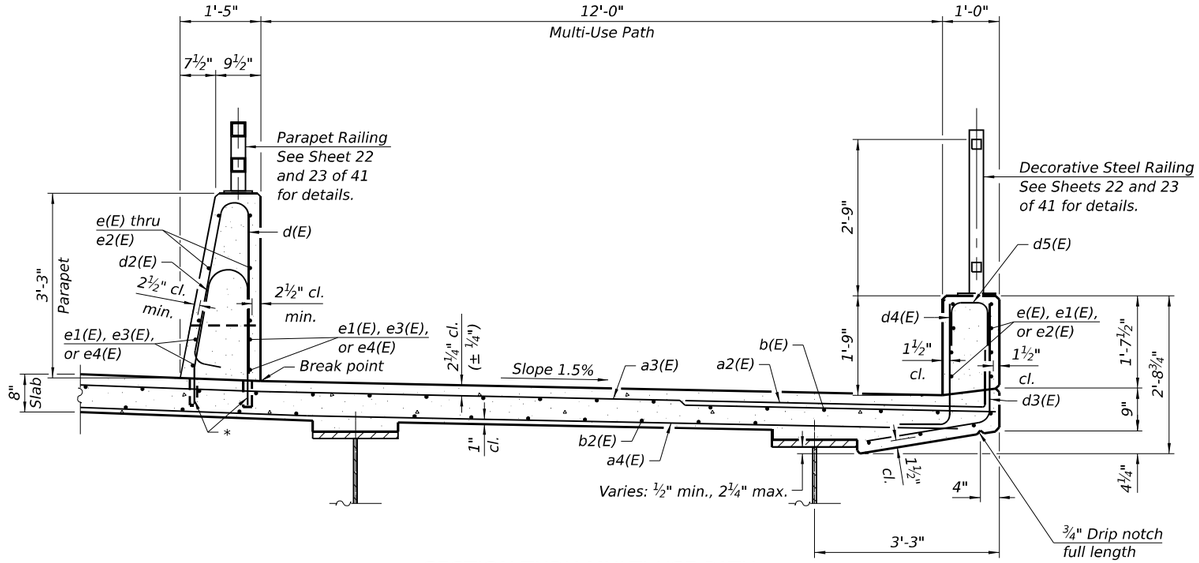
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 028-0095
SHEET 14 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	211
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



SECTION THRU NORTH PARAPET

NEAR PIER



SECTION THRU MULTI-USE PATH

NEAR MIDSPAN

* *Drill and set #5 d2(E) bar according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughed or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".*

The Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.

Cost of drilling and setting d2(E) bars is included with the cost of Reinforcement Bars, Epoxy Coated.

Note:
See sheet 13, 14 and 16 of 41 for additional superstructure details and Bill of Material.

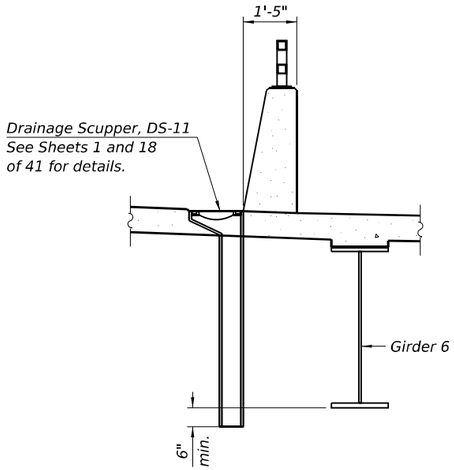
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QUIGG ENGINEERING INC	USER NAME = JCray	DESIGNED - KFO	REVISED -
DESIGN FIRM REG. NO. 184.004721	$FILES$	CHECKED - RPW	REVISED -
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -
	PLOT DATE =	CHECKED - MDC	REVISED -

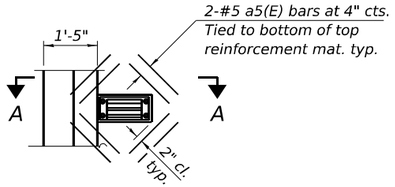
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 028-0095
SHEET 15 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	212
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

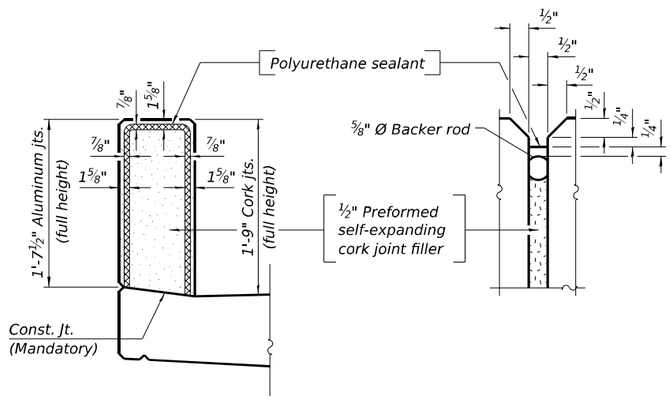


SECTION A-A

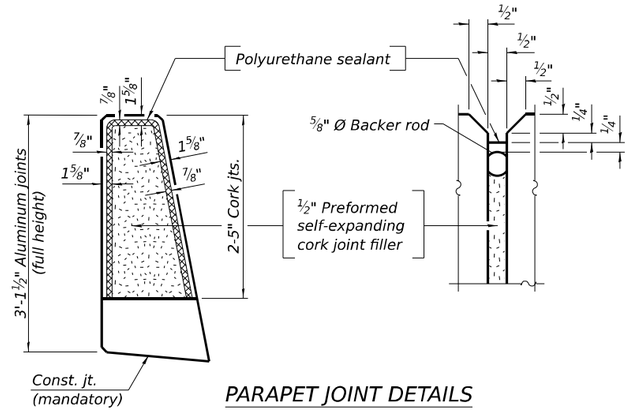


PLAN AT DS-11 SCUPPER

Note:
Cut longitudinal reinforcement to clear drainage scuppers.

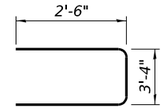


SOUTH MULTI-USE PATH
PARAPET JOINT DETAILS

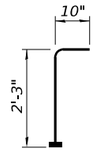


PARAPET JOINT DETAILS

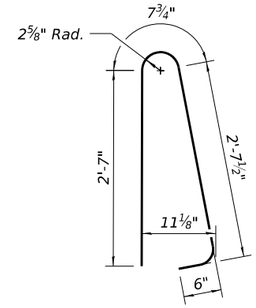
Notes:
The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
Bar terminators, paid for separately. See Total Bill of Material.



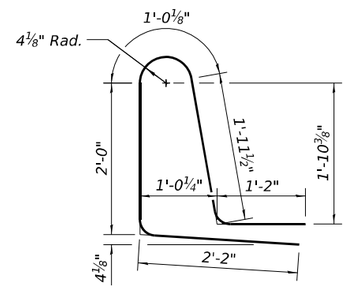
BAR s10(E)



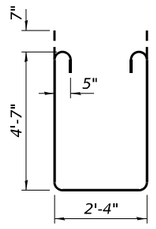
BAR v100(E)
(Headed. 110 - #5 Bar terminators)



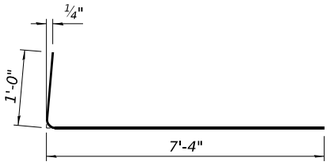
BAR d(E)



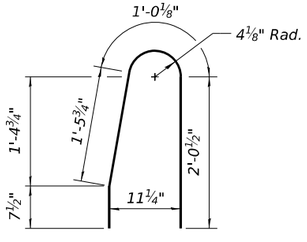
BAR d1(E)



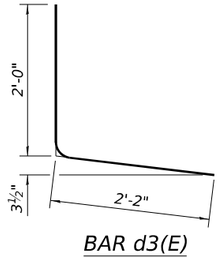
BAR s11(E)



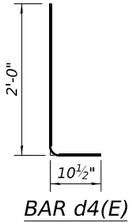
BAR a2(E)



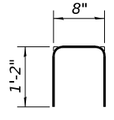
BAR d2(E)



BAR d3(E)



BAR d4(E)



BAR d5(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	658	#5	33'-6"	
a1(E)	403	#5	32'-8"	
a2(E)	1,316	#6	8'-4"	
a3(E)	658	#5	20'-10"	
a4(E)	403	#5	20'-4"	
a5(E)	16	#5	1'-6"	
b(E)	627	#5	31'-0"	
b1(E)	212	#6	39'-6"	
b2(E)	576	#5	28'-9"	
d(E)	906	#5	6'-5"	
d1(E)	453	#5	8'-4"	
d2(E)	453	#5	5'-2"	
d3(E)	302	#5	4'-2"	
d4(E)	302	#6	2'-11"	
d5(E)	92	#5	3'-0"	
e(E)	160	#4	18'-7"	
e1(E)	112	#4	16'-10"	
e2(E)	100	#4	16'-0"	
e3(E)	48	#4	26'-8"	
e4(E)	24	#4	28'-8"	
m10(E)	10	#6	20'-10"	
m11(E)	40	#6	7'-8"	
m12(E)	16	#6	2'-10"	
m13(E)	8	#6	5'-11"	
m14(E)	10	#6	33'-6"	
s10(E)	112	#5	8'-4"	
s11(E)	112	#5	12'-8"	
v100(E)	110	#5	3'-1"	
Reinforcement Bars, Epoxy Coated			Lbs.	151,380
Concrete Superstructure			Cu. Yds.	600.6

Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.

MODEL: $MODELNAMES
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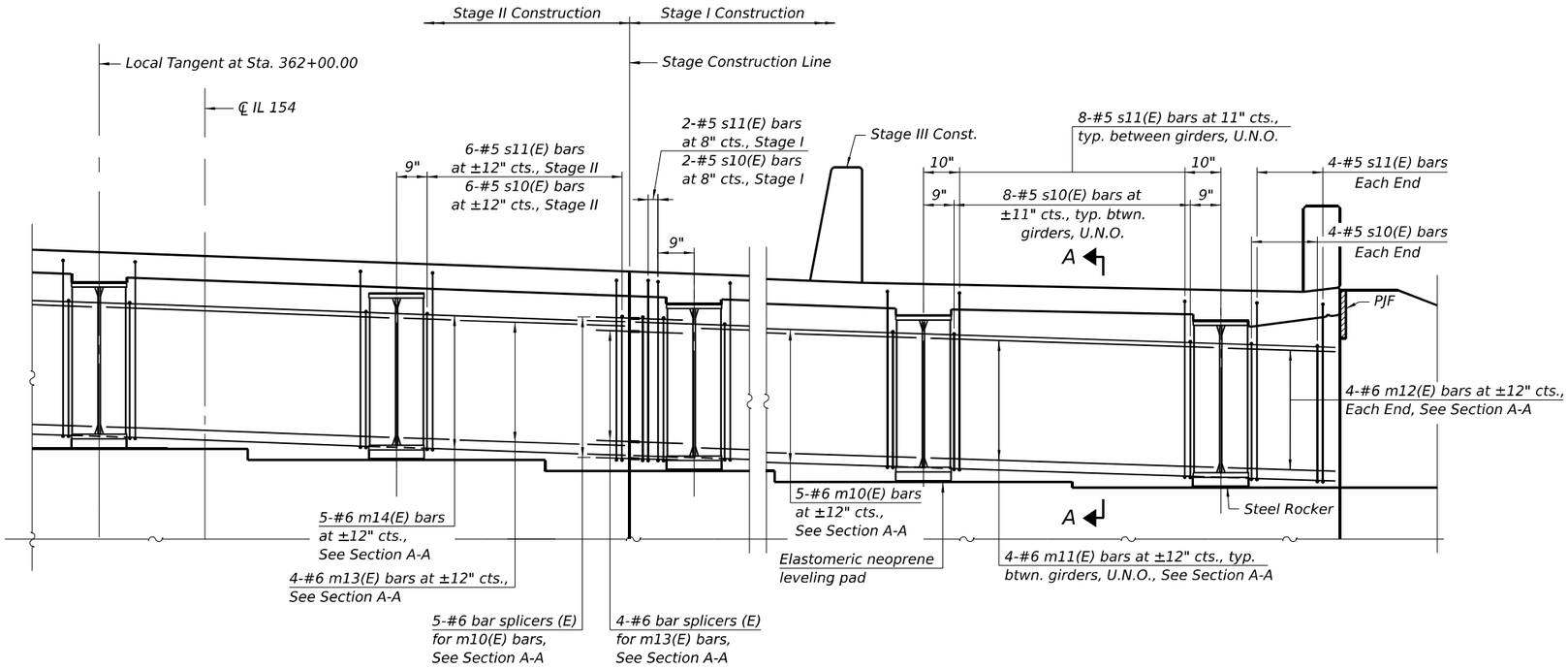
QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

USER NAME = JCray	DESIGNED - KFO	REVISED -	
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PLOT DATE =	CHECKED - MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

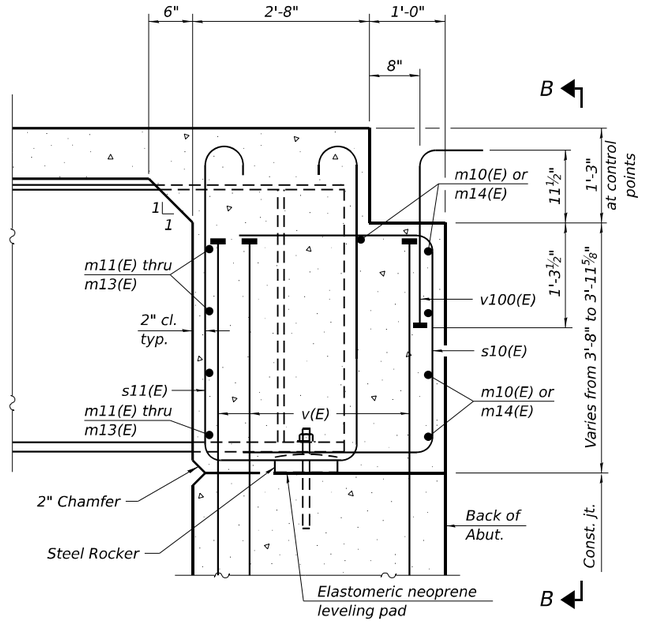
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 028-0095
SHEET 16 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	213
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

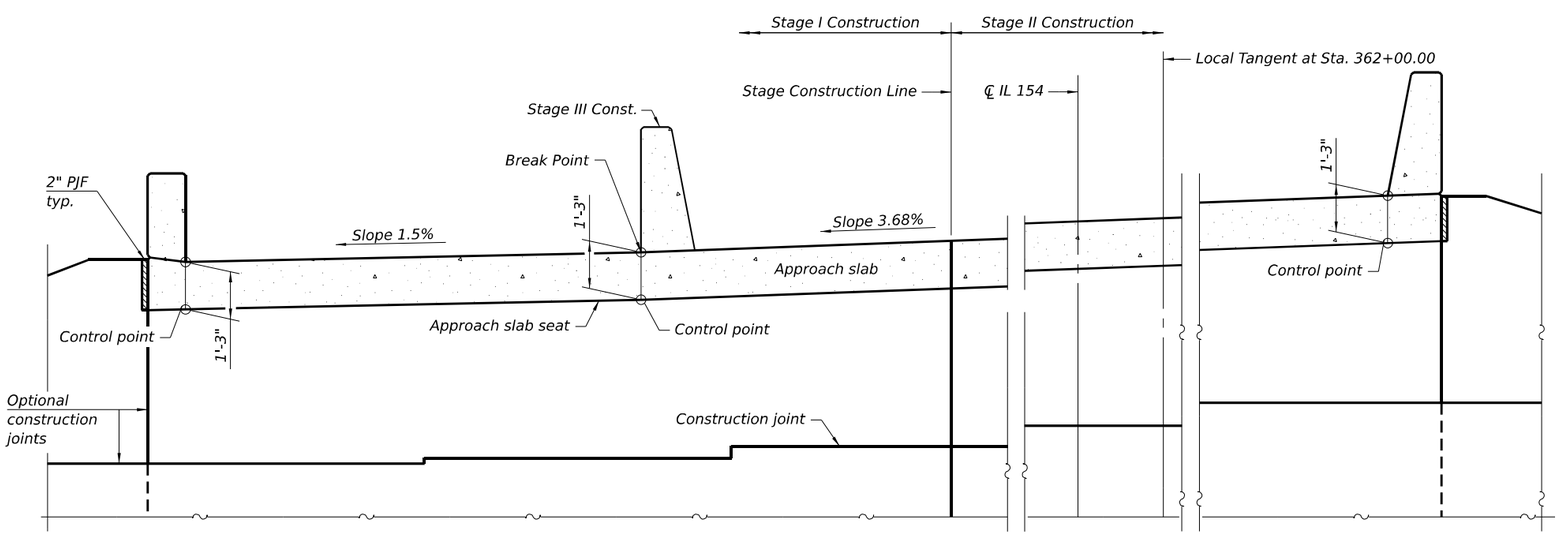


DIAPHRAGM AT ABUTMENT

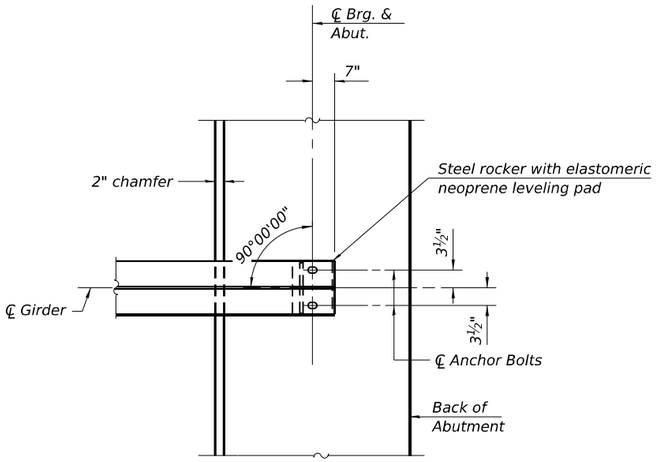
(East Abutment shown, West Abutment Similar)



SECTION A-A



VIEW B-B



PLAN AT ABUTMENT

(Showing bottom flange of girder)

Notes:

See sheet 13 thru 16 of 41 for superstructure details and Bill of Material.

See sheets 20 of 41 for PJF details.

The approach slab seat shall have a constant slope determined from the control points shown.

See sheet 37 of 41 for Bar Splicer details.

MODEL: $MODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Prl IIWV06 IL-154 Bridge\CADD\CADD Sheets\028009S-78786-017-Diaphragm Details.dgn
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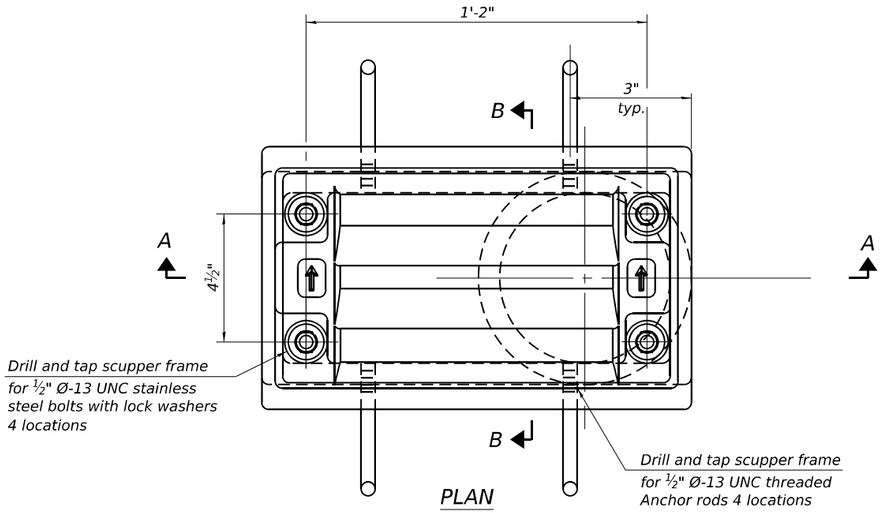
QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

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PLOT DATE =	CHECKED - MDC	REVISED -	

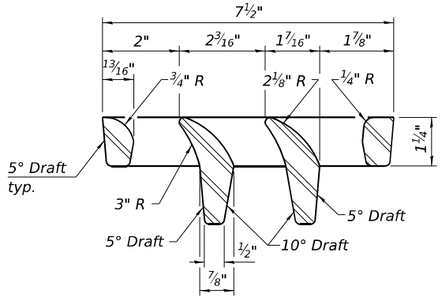
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NO. 028-0095
SHEET 17 OF 41 SHEETS

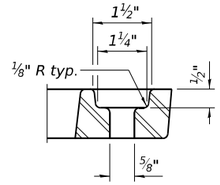
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	214
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



PLAN



VANE GRATE DETAIL



GRATE BOLT HOLE DETAIL

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 35B and AASHTO M306.

Bolts, anchor rods, nuts and washers shall be according to ASTM A307 and shall be galvanized according to AASHTO M232. As an alternate stainless steel may be used.

Stainless steel hardware shall be according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frames and downspouts; however, the scupper grates shall remain cast iron. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.

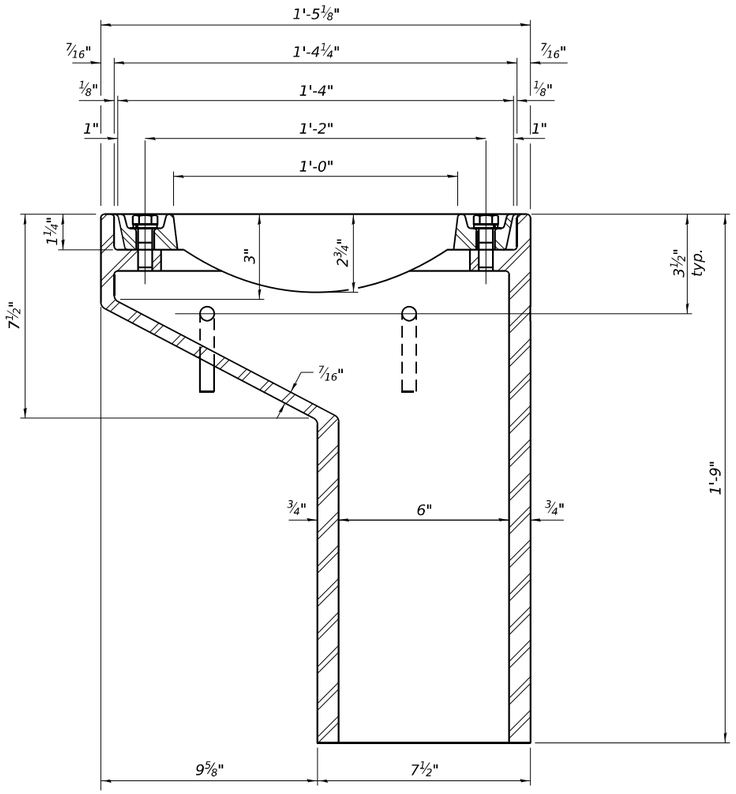
Structural steel scupper frames and downspouts, when utilized, shall be galvanized according to AASHTO M111.

As an alternate, fiberglass may be used for downspouts according to ASTM D2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. in lieu of the cast iron or structural steel.

Exterior surfaces of downspouts and exterior exposed surfaces of the scupper frame below deck shall be pigmented or painted to match the color of the adjacent girder.

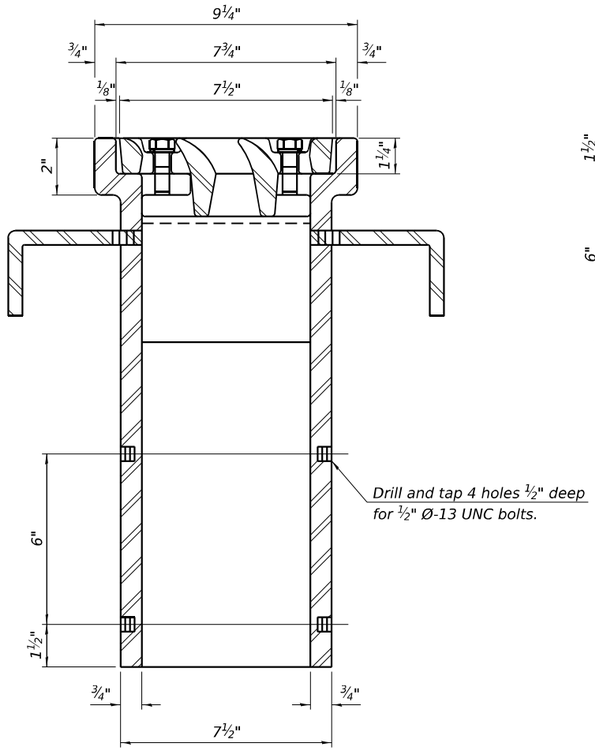
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the grate, frame, downspout, anchor rods, nuts and washers including complete installation of the scupper shall be paid for at the contract unit price for Drainage Scuppers, DS-11.

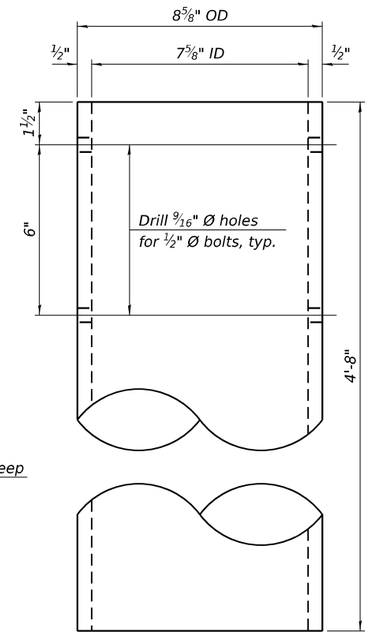


SECTION A-A

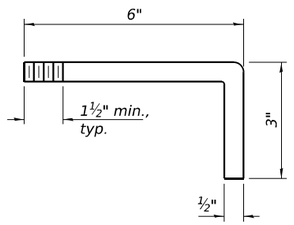
See sheet 16 of 41 for scupper location relative to parapet.



SECTION B-B



DOWNSPOUT



ANCHOR ROD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scuppers, DS-11	Each	4

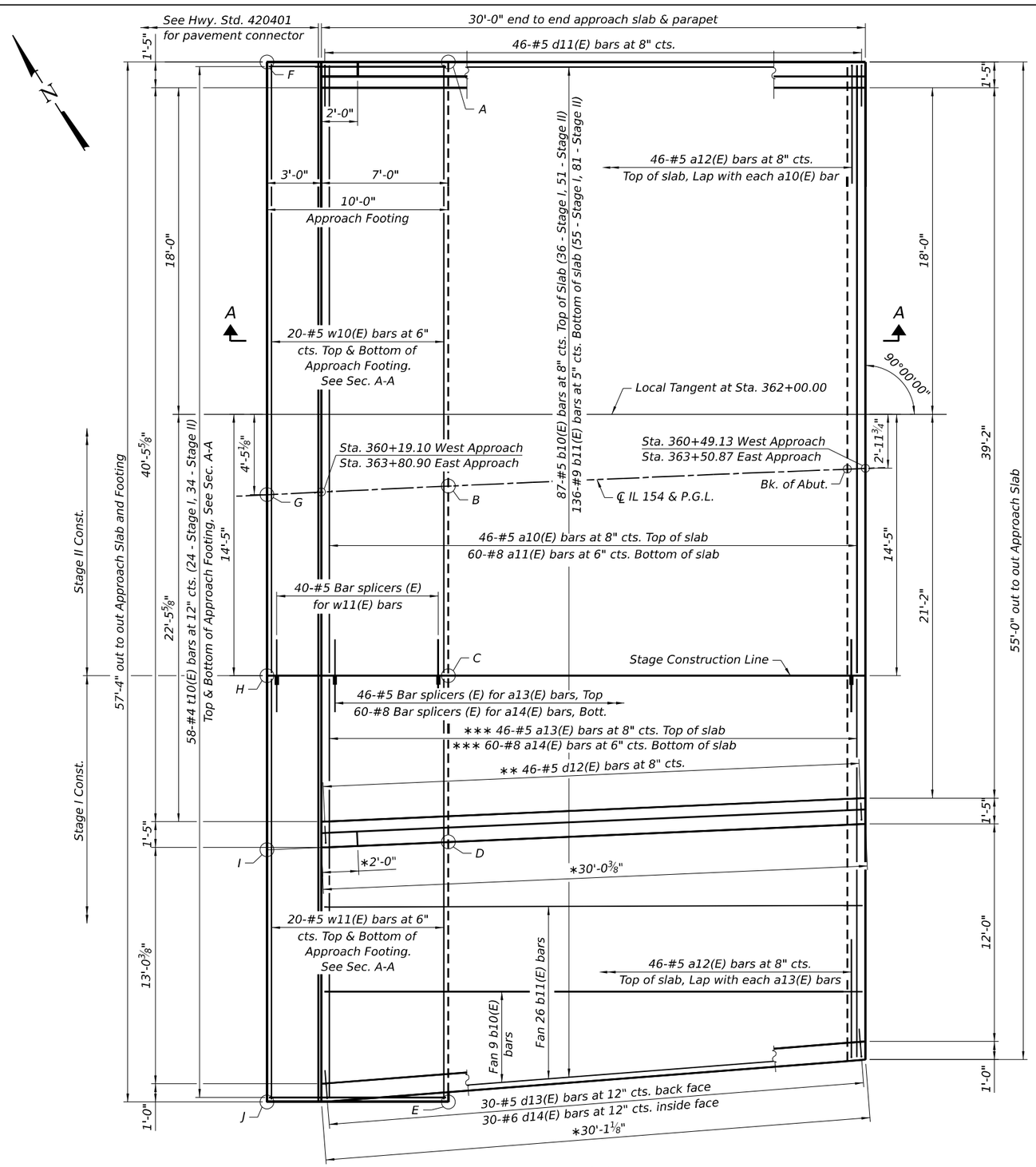
DS-11 5-15-2023

QUIGG ENGINEERING INC	USER NAME = JCray	DESIGNED - KFO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DESIGN FIRM REG. NO. 184.004721	$FILES$	CHECKED - RPW	REVISED -	
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -	
	PLOT DATE =	CHECKED - MDC	REVISED -	

DRAINAGE SCUPPER, DS-11
STRUCTURE NO. 028-0095
SHEET 18 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	215
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
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PLAN

(West Approach shown; East Approach similar)

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

West Approach			East Approach		
Point	Top	Bottom	Point	Top	Bottom
A	428.91	428.07	A	428.91	428.07
B	428.03	427.20	B	428.03	427.20
C	427.64	426.81	C	427.64	426.81
D	427.30	426.47	D	427.30	426.47
E	427.08	426.25	E	427.08	426.25
F	428.81	427.97	F	428.81	427.97
G	427.92	427.08	G	427.92	427.08
H	427.54	426.71	H	427.54	426.71
I	427.19	426.35	I	427.19	426.35
J	426.97	426.14	J	426.97	426.14

∗ *Measured along back of parapet.*
∗∗ *Drill and set d12(E) bars during Stage III Construction. All metal rails will also be placed during Stage III Construction. See Sheets 4 and 20 of 41 for additional details.*
∗∗∗ *See Field Cutting Diagram on Sheet 21 of 41.*

Notes:
See sheet 20 of 41 for Sections A-A.
Transverse dimensions are measured perpendicular to the Local Tangent.
Longitudinal dimensions are measured along the Local Tangent, U.N.O.

MODEL: $MODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Pnl IIWO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-019-Appr. Slab Details.dgn
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QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

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PLOT DATE =	CHECKED - MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 028-0095
SHEET 19 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	216
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

Notes:

The center concrete parapet and all metal rails will be placed during Stage III Construction. See Sheets 4 and 19 of 41.

Transverse dimensions are measured perpendicular to the Local Tangent, U.N.O.

Longitudinal dimensions are measured along the Local Tangent.

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

∗ *Cost included with Concrete Superstructure (Approach Slab).*

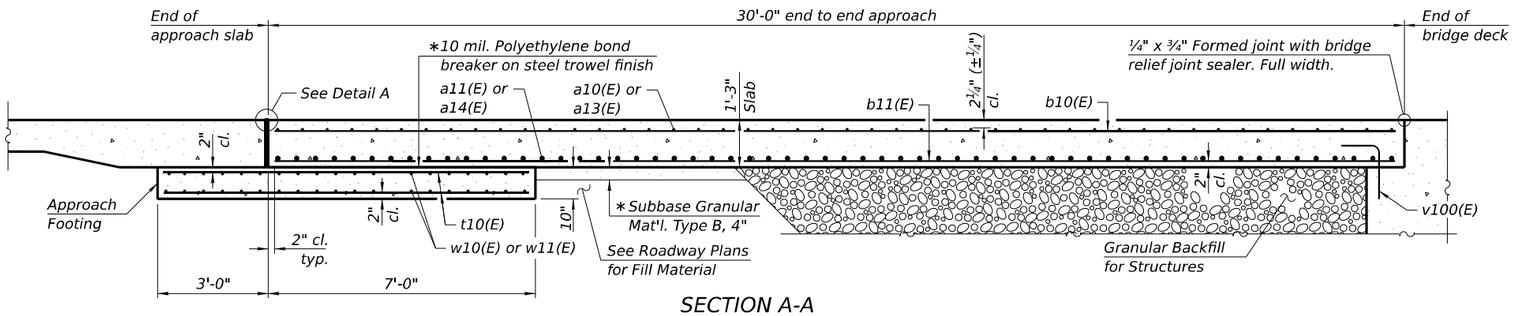
∗∗ *Per manufacturer recommendations.*

∗∗∗ *Drill and set #5 d12(E) bar according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughed or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".*

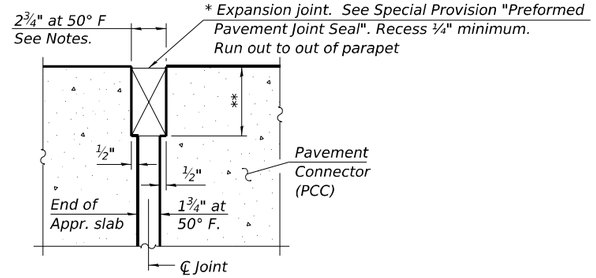
The Contractor shall take all necessary precautions to prevent drilled hole interference with approach slab reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in approach slab.

Cost of drilling and setting d12(E) bars is included with the cost of Reinforcement Bars, Epoxy Coated.

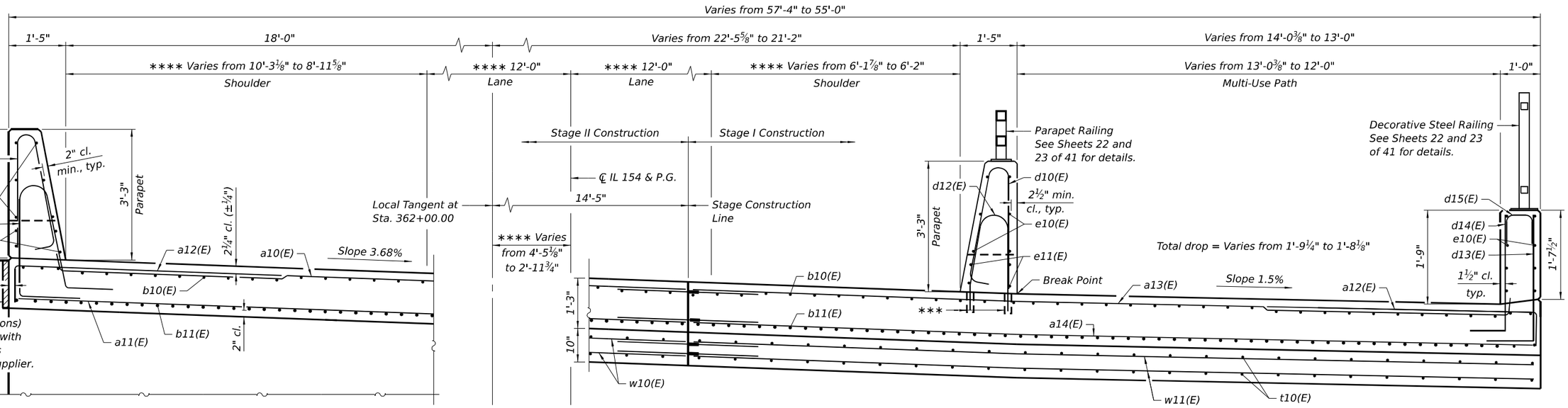
∗∗∗∗ *Measured Radially to ℄ IL 154.*



SECTION A-A



DETAIL A



NEAR ABUTMENT

AT APPROACH FOOTING

CROSS SECTION

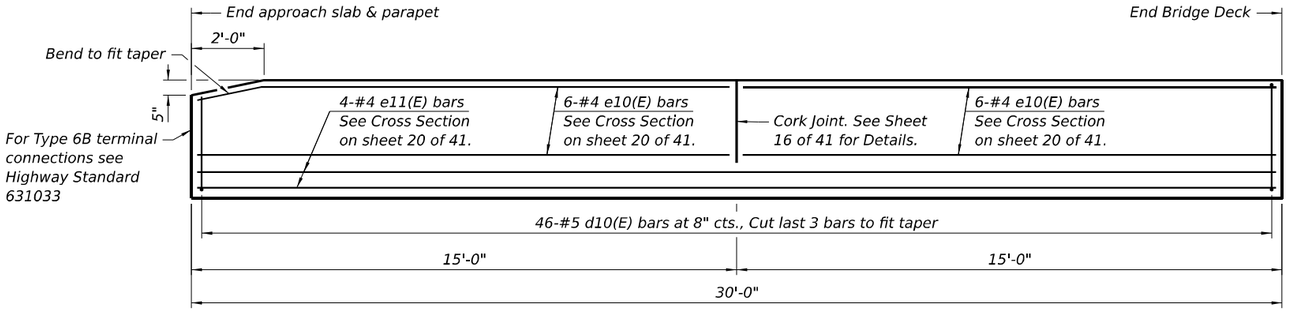
(Looking East)

QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray $FILES$ PLOT SCALE = 0.167 ' / in. PLOT DATE =	DESIGNED - KFO CHECKED - RPW DRAWN - JDC CHECKED - MDC	REVISED - REVISED - REVISED - REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**

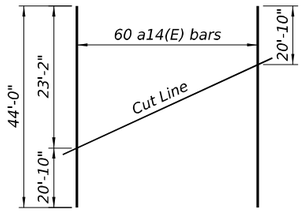
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 028-0095
SHEET 20 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	217
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Pnl IIW06 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-020-Appr. Slab Details.dgn
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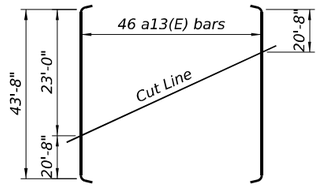
INSIDE ELEVATION NORTH PARAPET



FIELD CUTTING DIAGRAM

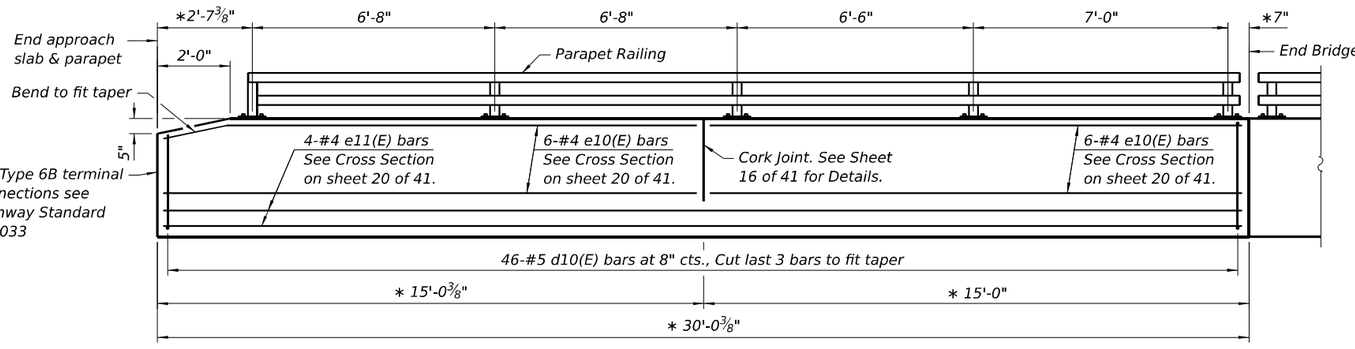
Order bars full length. Cut as shown and use remainder of bars in opposite end.

Notes:
Parapet concrete shall be paid for as Concrete Superstructure.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 41.

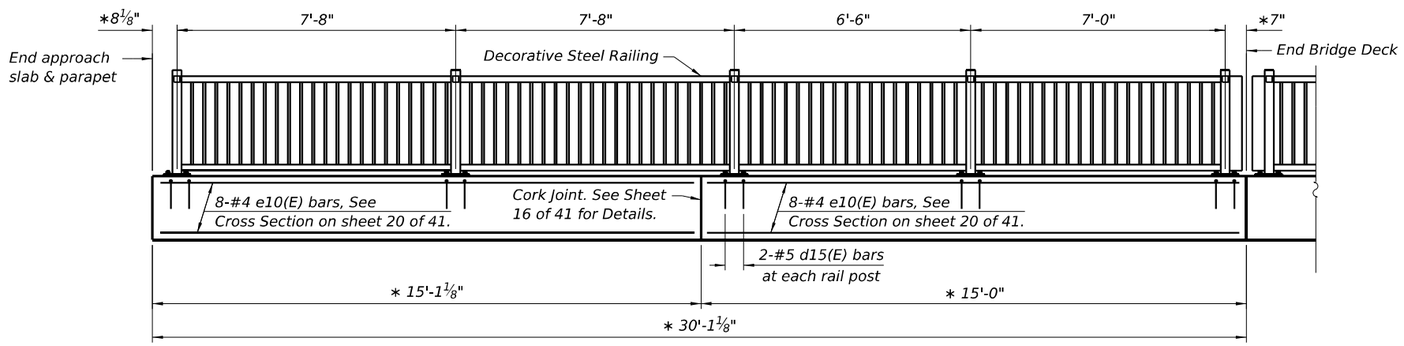


FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite end.

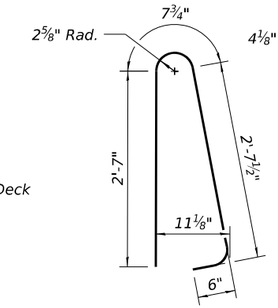


INSIDE ELEVATION SOUTH ROADWAY PARAPET

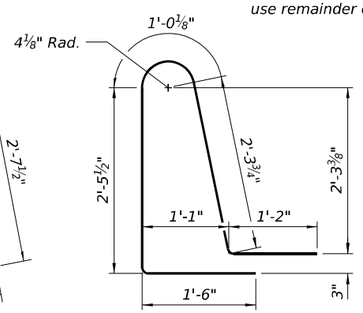


INSIDE ELEVATION SOUTH MULTI-USE PATH PARAPET

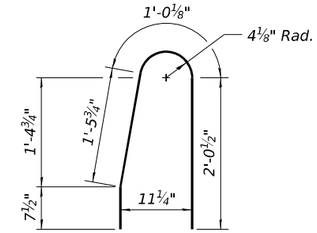
∗ Measured along back of parapet.



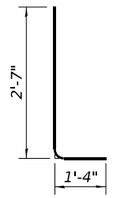
BAR d10(E)



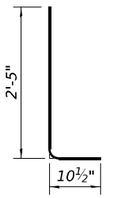
BAR d11(E)



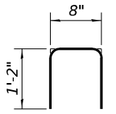
BAR d12(E)



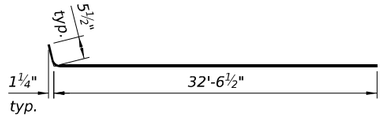
BAR d13(E)



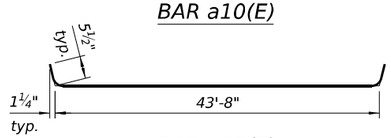
BAR d14(E)



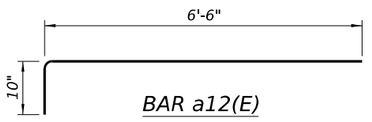
BAR d15(E)



BAR a10(E)



BAR a13(E)



BAR a12(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	33'-0"	
a11(E)	120	#8	33'-6"	
a12(E)	184	#5	7'-4"	
a13(E)	46	#5	44'-7"	
a14(E)	60	#8	44'-0"	
b10(E)	174	#5	29'-8"	
b11(E)	272	#9	29'-8"	
d10(E)	184	#5	6'-5"	
d11(E)	92	#5	8'-6"	
d12(E)	92	#5	5'-2"	
d13(E)	60	#5	3'-11"	
d14(E)	60	#6	3'-4"	
d15(E)	20	#5	3'-0"	
e10(E)	80	#4	14'-8"	
e11(E)	16	#4	29'-8"	
t10(E)	232	#4	9'-8"	
w10(E)	80	#5	33'-6"	
w11(E)	80	#5	23'-2"	
Concrete Superstructure		Cu. Yds.	19.4	
Concrete Superstructure (Approach Slab)		Cu. Yds.	156.1	
Concrete Structures		Cu. Yds.	35.4	
Reinforcement Bars, Epoxy Coated		Lbs.	67,800	

MODEL: $MODELNAME$
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var PH IIWO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-021-Appr. Slab Details.dgn
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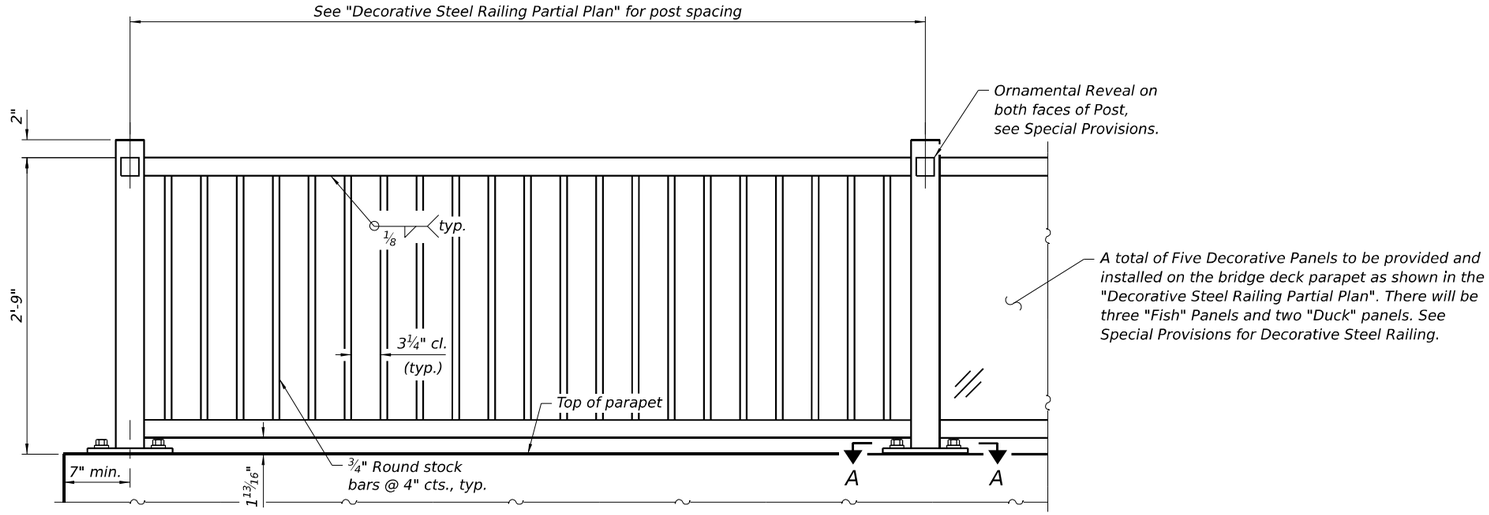
QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

USER NAME =	JCray	DESIGNED -	KFO	REVISED -	
$FILES$		CHECKED -	RPW	REVISED -	
PLOT SCALE =	4.167 ' / in.	DRAWN -	JDC	REVISED -	
PLOT DATE =		CHECKED -	MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

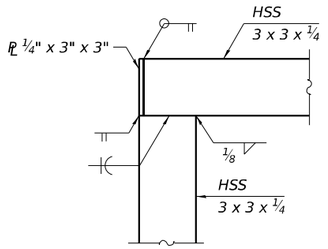
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 028-0095
SHEET 21 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	218
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

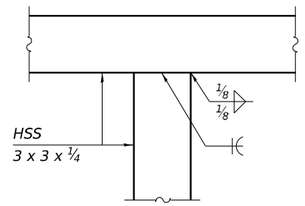


ELEVATION DECORATIVE STEEL RAILING

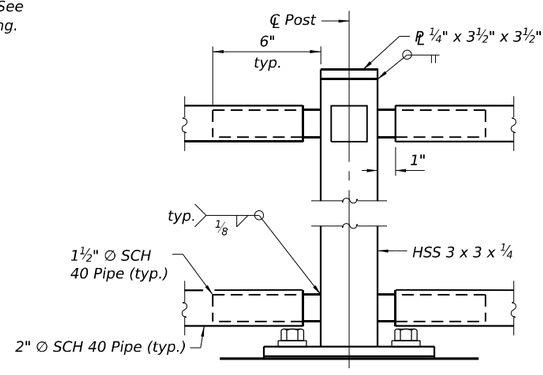
(Inside face)
Aesthetic details to be coordinated with the District



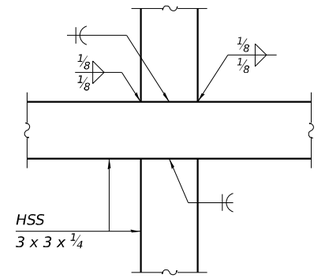
DETAIL A



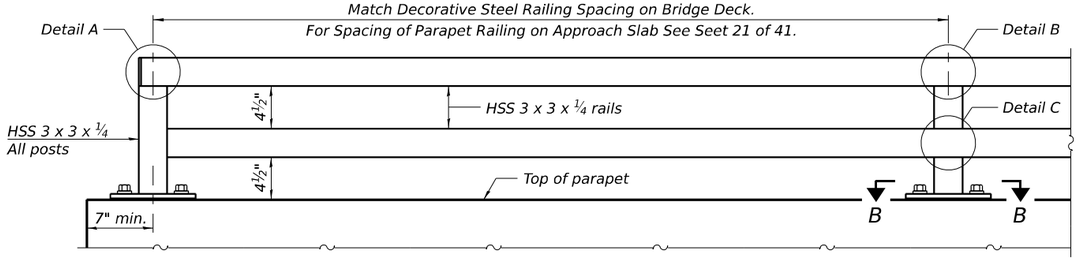
DETAIL B



DECORATIVE STEEL RAILING POST

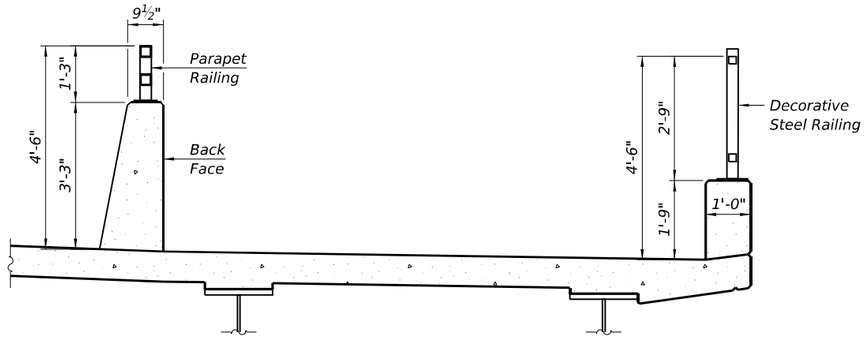


DETAIL C

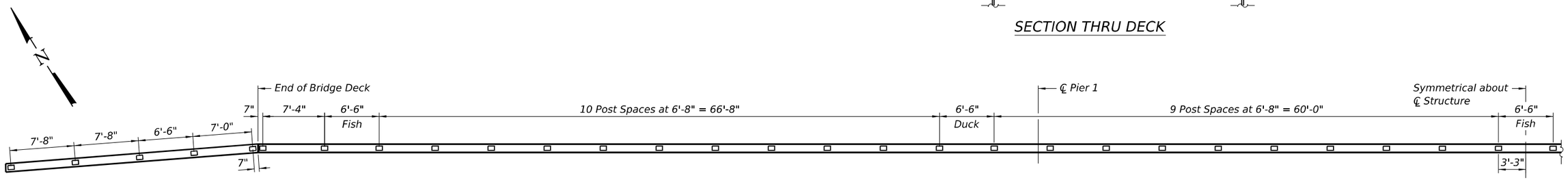


ELEVATION PARAPET RAILING

(Inside face)



SECTION THRU DECK



DECORATIVE STEEL RAILING PARTIAL PLAN

MODEL: sMODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Pht IIWO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-022-Railing Details.dgn

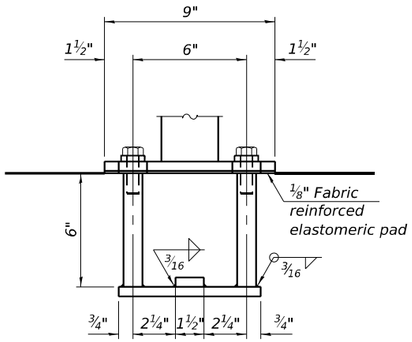
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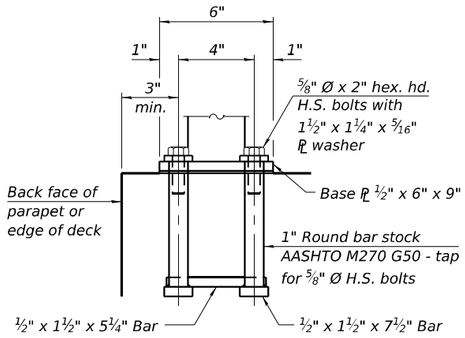
QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray	DESIGNED - KFO	REVISED -
	$FILES$	CHECKED - RPW	REVISED -
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -
	PLOT DATE =	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECORATIVE RAILING AND PARAPET RAILING (1 OF 2)
STRUCTURE NO. 028-0095
SHEET 22 OF 41 SHEETS

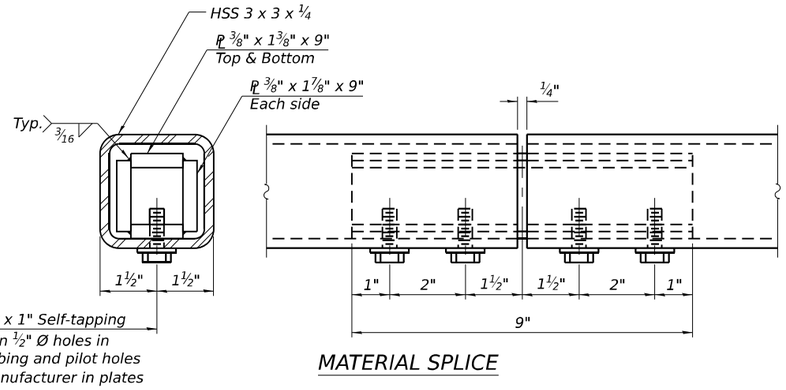
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	219
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		





ANCHORAGE ASSEMBLY

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



MATERIAL SPLICE

Notes:

Place reinforcement bars to miss anchor rod locations.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Parapet Railing shall be AASHTO M270 grade 50.

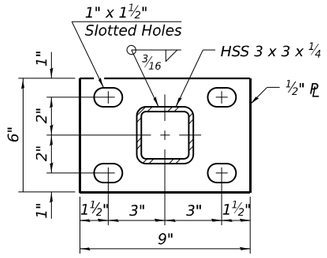
All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

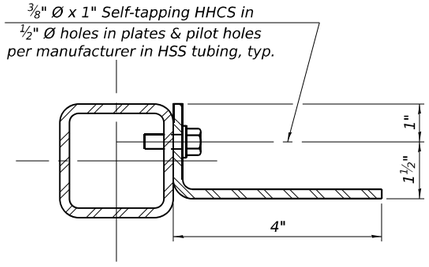
The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

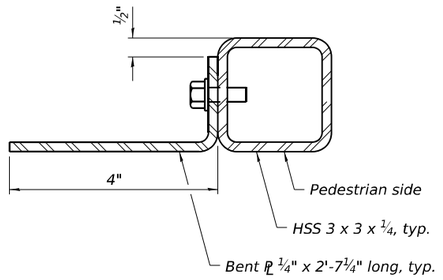
Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

All post, rails, splices, anchor devices and plates of the Decorative Steel Railing and Parapet Railing shall be painted according to the special provision for "Decorative Steel Railing."

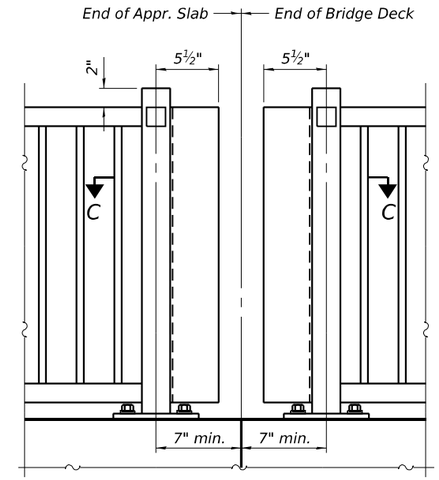


SECTION B-B

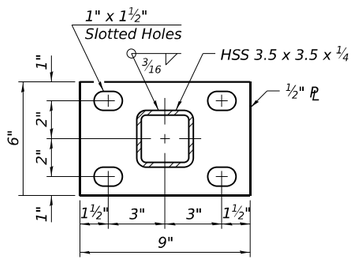




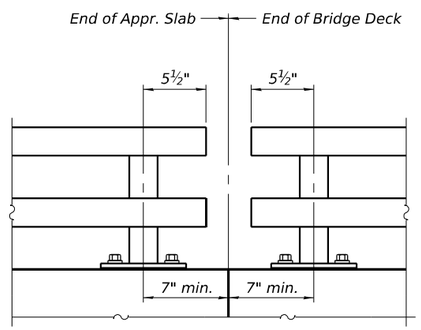
SECTION C-C



ELEVATION DECORATIVE STEEL RAILING AT END OF BRIDGE DECK



SECTION A-A



ELEVATION PARAPET RAILING AT END OF BRIDGE DECK

BILL OF MATERIAL

Item	Unit	Quantity
Decorative Steel Railing	Foot	361
Parapet Railing	Foot	357

QUIGG ENGINEERING INC	USER NAME = JCray	DESIGNED - KFO	REVISED -
DESIGN FIRM REG. NO. 184.004721	$FILES$	CHECKED - RPW	REVISED -
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -
	PLOT DATE =	CHECKED - MDC	REVISED -

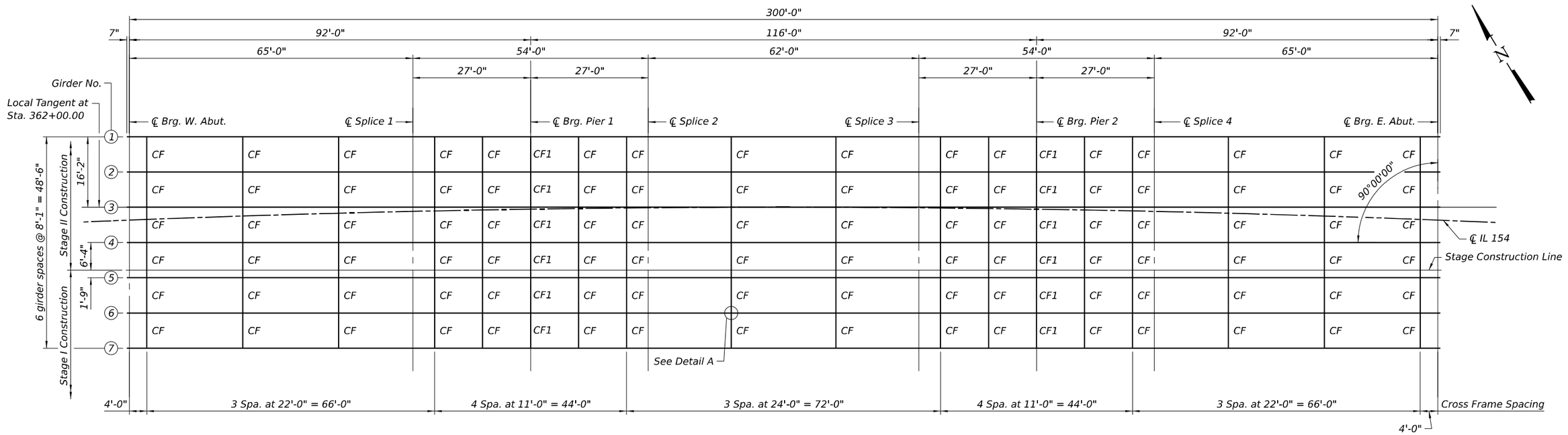
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECORATIVE RAILING AND PARAPET RAILING (2 OF 2)
STRUCTURE NO. 028-0095

SHEET 23 OF 41 SHEETS

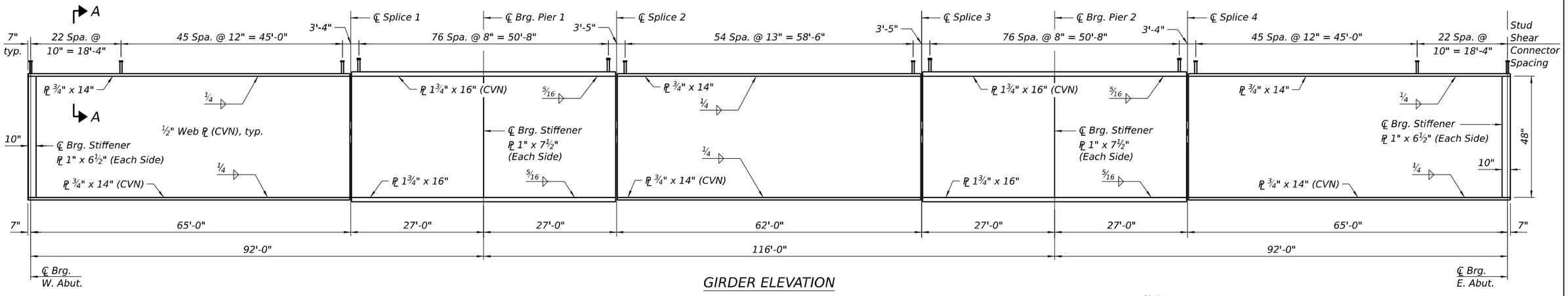
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	220
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
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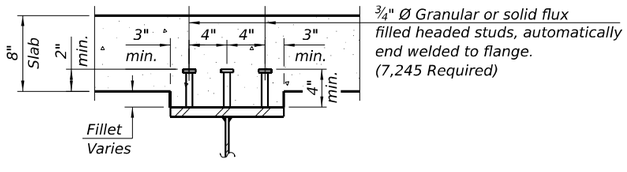


STEEL FRAMING PLAN

(Longitudinal Dimensions measured along Local Tangent)



GIRDER ELEVATION



¾" Ø Granular or solid flux filled headed studs, automatically end welded to flange. (7,245 Required)

SECTION A-A

TOP OF WEB ELEVATION

(For Fabrication Only)

Location	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6	Girder 7
℄ Brg. W. Abut.	429.41	429.11	428.81	428.51	428.21	427.95	427.83
Field Splice 1	429.75	429.45	429.15	428.85	428.55	428.29	428.17
℄ Brg. Pier 1	429.83	429.53	429.23	428.93	428.63	428.37	428.25
Field Splice 2	429.91	429.61	429.31	429.01	428.71	428.45	428.33
Field Splice 3	429.91	429.61	429.31	429.01	428.71	428.45	428.33
℄ Brg. Pier 2	429.83	429.53	429.23	428.93	428.63	428.37	428.25
Field Splice 4	429.75	429.45	429.15	428.85	428.55	428.29	428.17
℄ Brg. E. Abut.	429.41	429.11	428.81	428.51	428.21	427.95	427.83

Notes:

For cross frame details, field splice details, and detail A see sheet 25 of 41.

All girders, bearing stiffeners, and splice plates, including filler plates, shall be AASHTO M270 Grade 50.

All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames at supports may be temporarily disconnected to install bearing anchor bolts.

Girders shall be braced for stability during erection and remain braced until deck is poured and cured.

Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirements, Zone 2.

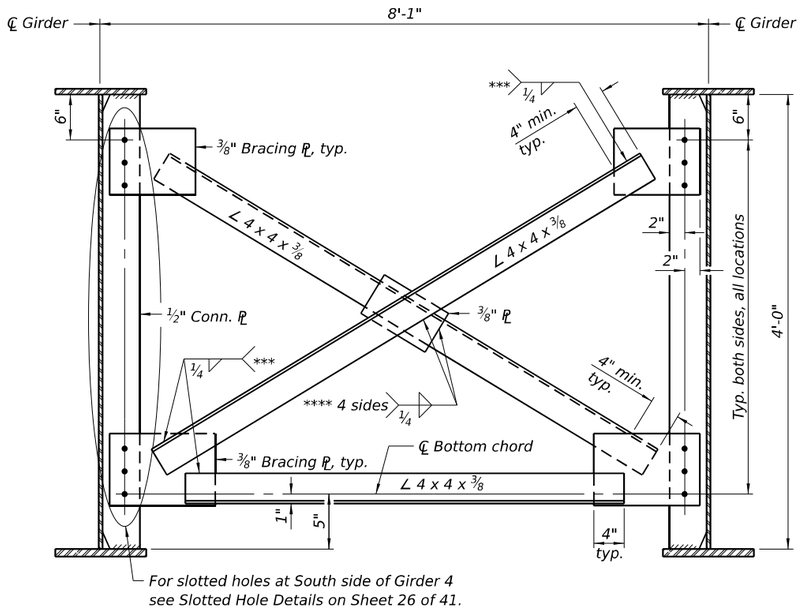
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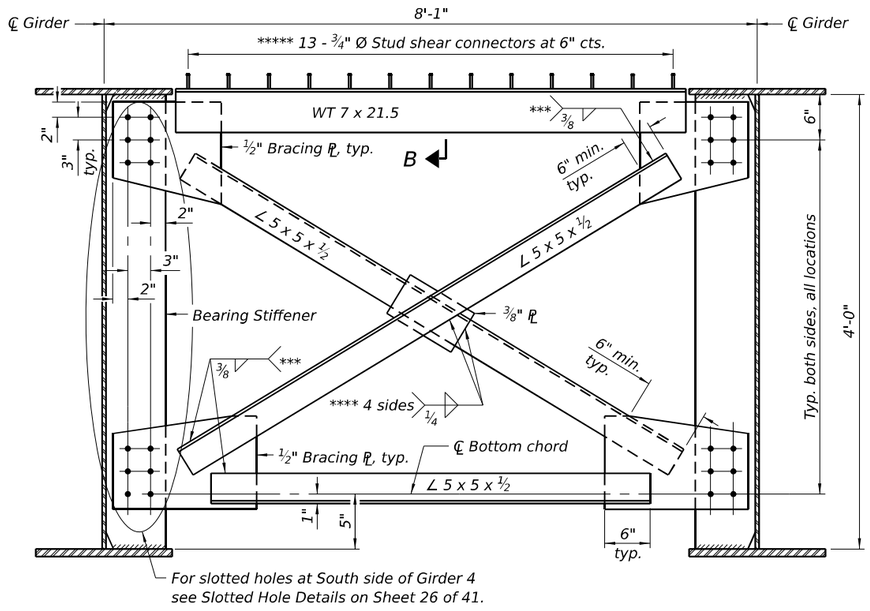
FRAMING PLAN
STRUCTURE NO. 028-0095
SHEET 24 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



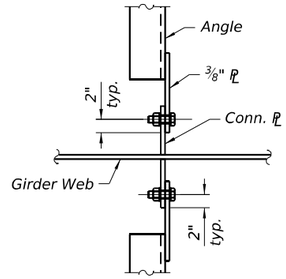
INTERIOR CROSS-FRAME (CF)

(96 Required)



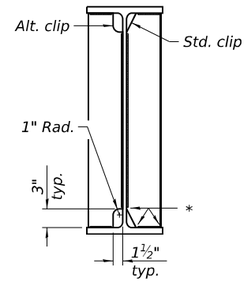
INTERIOR CROSS-FRAME (CF1)

(12 Required)



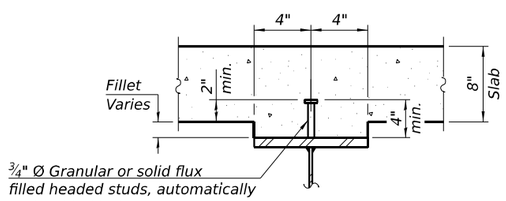
DETAIL A

(Detail shown at Interior Cross-Frame CF.
Interior Cross-Frame CF1 similar)

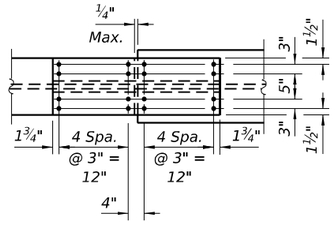


WELD LIMITS AND CLIP DETAILS

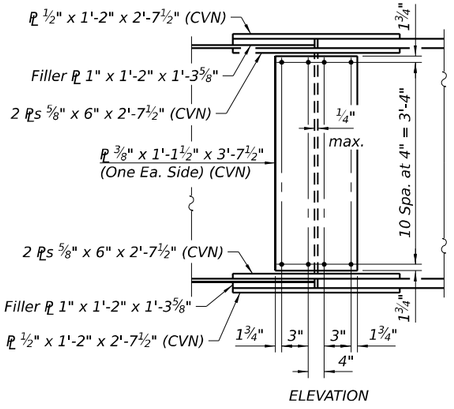
* Stop welds 1/4" (±1/8") from edges as shown, typ.
** Clip may be rounded for ease of shop painting.
*** Fillet weld angles along 3 sides on one face of gusset plate; however, if cross-frames are galvanized, weld all-around.
**** If cross-frames are galvanized, weld all-around.
***** At the Stage Construction Line, omit the stud shear connectors in the Stage I deck. 11 stud shear connectors are required in the Stage II deck.



SECTION B-B

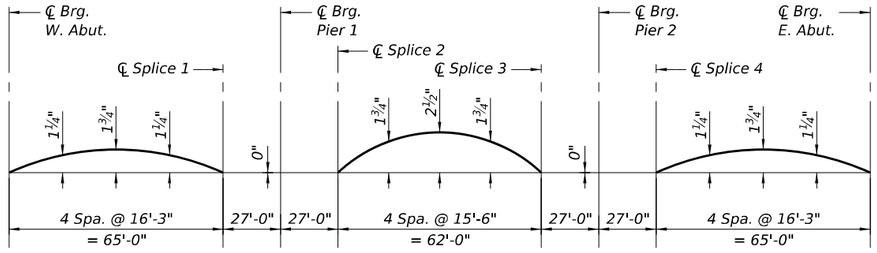


PLAN - TOP AND BOTTOM FLANGE

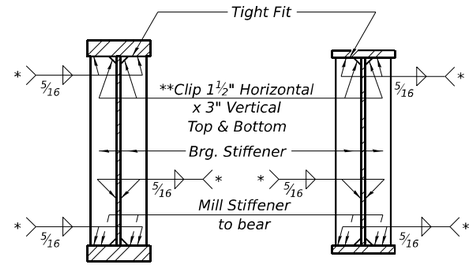


ELEVATION

FIELD SPLICE DETAIL



CAMBER DIAGRAM



SECTION AT PIER

SECTION AT ABUTMENT

Notes:

Detail 15/16" Ø holes for all 7/8" Ø H.S. bolts for Field Splices.

Detail 15/16" Ø holes for all 3/4" Ø H.S. bolts for Interior Cross-Frames, except as noted. 13/16" x 2" vertical slotted holes shall be provided at bracing plates on the south side of Girder 4 to accommodate the differential deflection between Girder 4 and 5 due to stage construction. The bolts in slotted holes shall be finger tightened until the second stage pour is completed. Position slots so bolts move from one end with no concrete load to the opposite end under the deck load. The holes shall be positioned to allow maximum bolt displacement without laterally stressing the girders. See Slotted Hole Detail on Sheet 26 of 41.

Two hardened washers required for each set of oversized holes at the Interior Cross-Frames.

See Sheets 24 of 41 for Detail A location and additional details.

All girders, bearing stiffeners, and splice plates, including filler plates, shall be AASHTO M270 Grade 50.

"CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.

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QUIGG ENGINEERING INC
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS
STRUCTURE NO. 028-0095
SHEET 25 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	222
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

GIRDER 5 MOMENT TABLE				
		0.4 Sp. 1 or 0.6 Sp. 3	Piers	0.5 Sp. 2
I_s	(in^4)	17,086	39,273	17,086
I_c (n)	(in^4)	45,672	83,081	45,672
I_c (3n)	(in^4)	34,862	–	34,862
I_c (cr)	(in^4)	–	46,369	–
S_s	(in^3)	690	1,525	690
S_c (n)	(in^3)	1,000	–	1,000
S_c (3n)	(in^3)	920	–	920
S_c (cr)	(in^3)	–	1,620	–
S_x	(in^3)	922	1,595	936
DC1	(k/ft)	1.006	1.127	1.006
M_{DC1}	('k)	500	1,336	408
DC2	(k/ft)	0.271	0.271	0.271
M_{DC2}	('k)	140	337	119
DW	(k/ft)	0.404	0.404	0.404
M_{DW}	('k)	209	503	177
LLDF		0.616	0.634	0.580
$*M_{℄+IM}$	('k)	1,463	2,113	1,387
f_f (Strength I)	(ksi)	0.0	0.0	0.0
$M_u + \frac{1}{3} f_f S_x$	('k)	3,674	6,544	3,352
$\Phi_f M_n$	('k)	4,996	7,196	5,072
f_s DC1	(ksi)	8.7	10.5	7.1
f_s DC2	(ksi)	1.8	2.5	1.6
f_s DW	(ksi)	2.7	3.7	2.3
f_s (℄+IM)	(ksi)	17.6	15.7	16.6
f_f (Service II)	(ksi)	0.0	0.0	0.0
$f_s + {}^{f_f}/_2$ (Service II)	(ksi)	36.1	37.1	32.6
Service II Resistance	(ksi)	47.5	47.5	47.5
$f_s + {}^{f_f}/_3$ (Strength I)	(ksi)	–	–	–
$\Phi_f F_n$	(ksi)	–	–	–
V_f	(k)	34.9	–	34.9

$*M_{℄+IM}$ includes service moment due to sidewalk.

GIRDER 5 REACTION TABLE			
		Abut.	Pier
LLDF		0.820	0.820
OCF		–	–
R_{DC1}	(k)	33.1	125.1
R_{DC2}	(k)	8.8	31.9
R_{DW}	(k)	13.1	47.5
$**R_{℄}$	(k)	85.5	183.2
R_{Im}	(k)	16.9	28.2
R_{Total}(Strength I)(Impact)	(k)	251.2	637.5
R_{Total}(Strength I)(No Impact)	(k)	221.7	588.1

$**R_{℄}$ includes service reaction due to sidewalk.

I_s , S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads ($in.^4$ and $in.^3$).

I_c (n), S_c (n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads ($in.^4$ and $in.^3$).

I_c (3n), S_c (3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

I_c (cr), S_c (cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

S_x : Section modulus about the major axis of a section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange ($in.^3$).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.

$M_{℄+IM}$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u : Strength I load combination of factored design moments (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{℄+IM}$

f_f : Factored calculated flange lateral bending stress as calculated using Article 6.10.1.6 and as further simplified by IDOT provisions (ksi).

$\Phi_f M_n$: Factored nominal flexural resistance of the section determined as specified in Article 6.10.7.1 or A6 as applicable (kip-ft.).

f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
M_{DC1} / S_s

f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
M_{DC2} / S_c (3n) or M_{DC2} / S_c (cr) as applicable.

f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
M_{DW} / S_c (3n) or M_{DW} / S_c (cr) as applicable.

f_s (℄+ IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
$M_{℄+IM} / S_c$ (n) or $M_{℄+IM} / S_c$ (cr) as applicable.

$f_s + f_f / 2$ (Service II): Sum of stresses as computed below (ksi).
f_s DC1 + f_s DC2 + f_s DW + 1.3 f_s (℄+ IM) + f_f /2

Service II Resistance: Composite ($0.95R_hF_{yf}$) or noncomposite ($0.80R_hF_{yf}$) stress capacity according to Article 6.10.4.2 (ksi).

$f_s + f_f / 3$ (Strength I): Sum of stresses as computed below on non-compact sections (ksi).
1.25 (f_s DC1 + f_s DC2) + 1.5 f_s DW + 1.75 f_s (℄+ IM) + f_f /3

$\Phi_f F_n$: Factored nominal flexural resistance of the section as specified in Article 6.10.7.2 or 6.10.8 as applicable (ksi).

V_f: Maximum factored shear range in span computed according to Article 6.10.10.

OCF: Obtuse Correction Factor according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.

R_{DC1}: Un-factored reaction due to non-composite dead load (kip).

R_{DC2}: Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).

R_{DW} : Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).

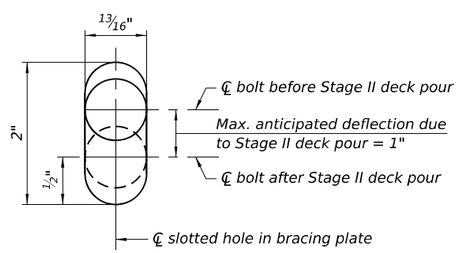
$R_{℄}$: Un-factored live load reaction (kip).

R_{IM} : Un-factored dynamic load allowance (impact) (kip).

R_{Total}(Strength I)(Impact): Strength I load combination of factored design reactions (kip).
$1.25\ (R_{DC1} + R_{DC2}) + 1.5R_{DW} + 1.75\ (R_{℄} + R_{IM})$

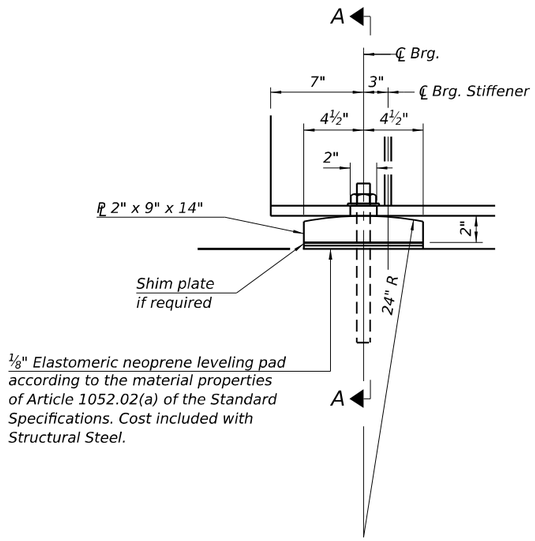
R_{Total}(Strength I)(No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).
$1.25\ (R_{DC1} + R_{DC2}) + 1.5R_{DW} + 1.75\ (R_{℄})$

Note:
The effects of centrifugal force and superelevation on $M_{℄}$ and $R_{℄}$ are negligible for this bridge and were ignored.

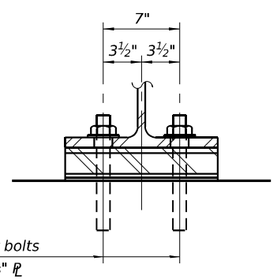


SLOTTED HOLE DETAIL

Notes:
The slotted holes shall be positioned as shown to allow vertical deflection to occur during Stage II deck pour without laterally stressing the girders.
For location of slotted holes see Interior Cross-Frame CF and CF1 details on Sheet 25 of 41.



ELEVATION AT ABUT.

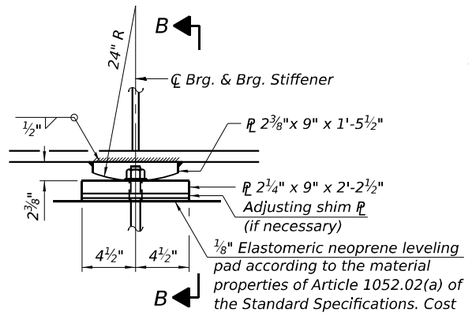


℄ 1" Ø x 12" All-thread anchor bolts
(Grade 55) with 2¼"x 2¼"x 5/16" ℄
washers under nuts. 1⅜"x 2" slotted
holes in flange. 1½" Ø Holes in bearing plate.

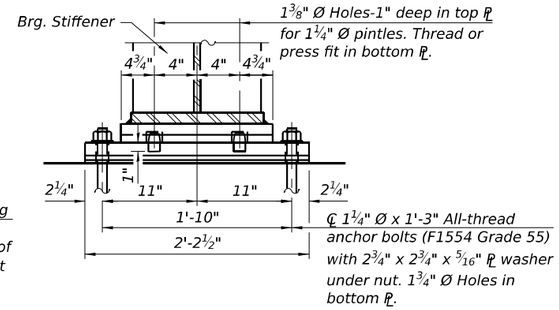
SECTION A-A

FIXED BEARING AT ABUTMENTS

(14 Required)



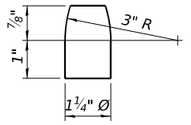
ELEVATION AT PIER



SECTION B-B

FIXED BEARING

(14 Required)



PINTLE

Notes:

Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

The structural steel plates and pintles of the Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50.

Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All bearing plates and pintles shall be metalized with System 1 (clear sealer). See special provision for "Metalizing of Structural Steel."

All anchor bolts, nuts, and washers shall be galvanized according to AASHTO M111 or M232 as applicable.

The anchor bolt sizes and grades shown constitute a calculated seismic structural fuse. Substitution of higher diameter and/or grade anchor bolts will not be allowed.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	28
Anchor Bolts, 1¼"	Each	28

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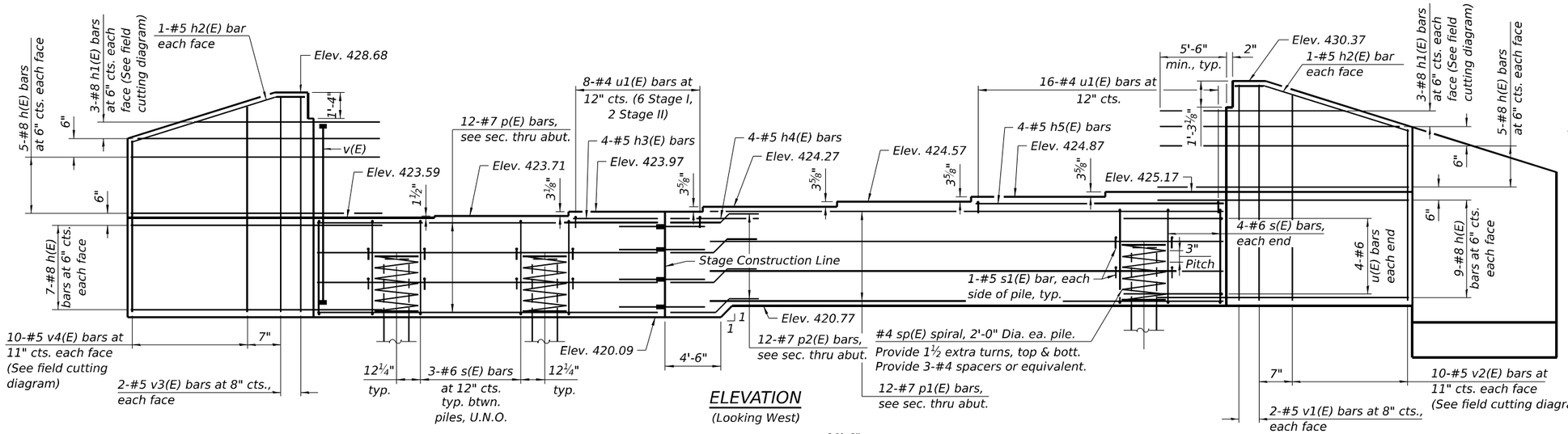
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DESIGN FIRM REG. NO. 184.004721

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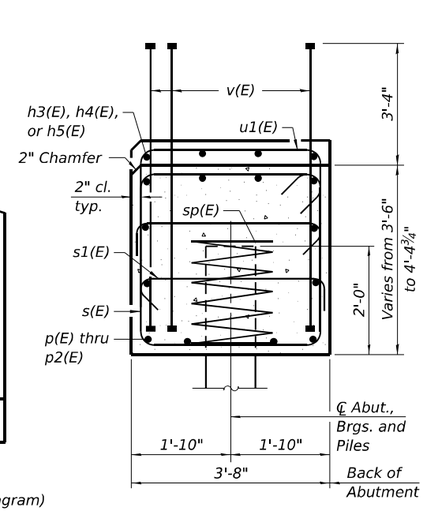
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 028-0095
SHEET 27 OF 41 SHEETS

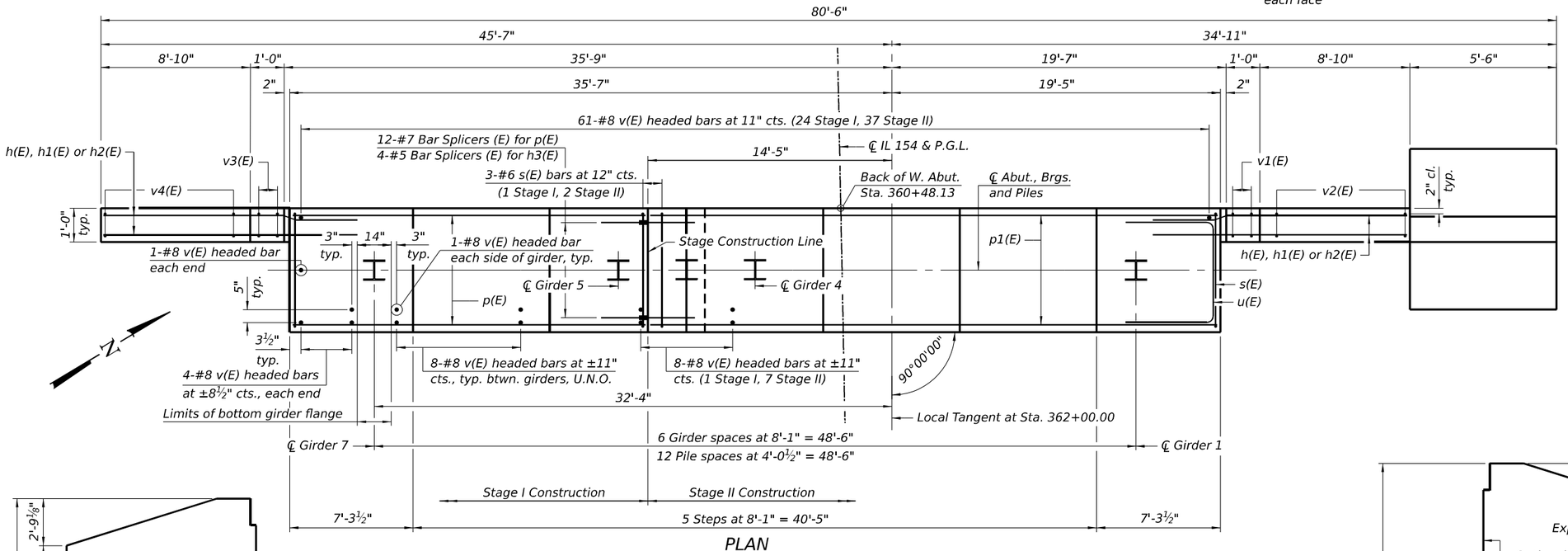
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		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



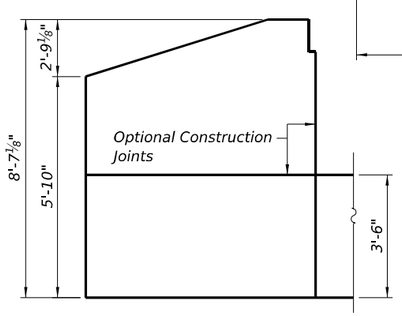
ELEVATION
(Looking West)



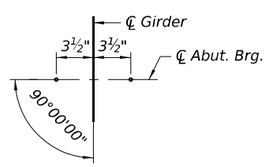
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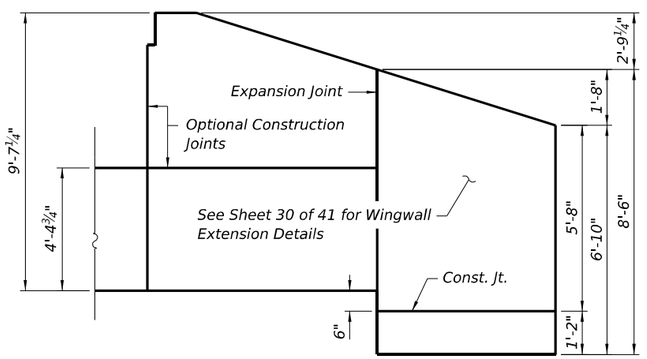
PLAN



SOUTH WING ELEVATION
(Looking West)



ANCHOR BOLT LAYOUT



NORTH WING ELEVATION
(Looking West)

Notes:
- *Pour steps monolithically with cap.*
- *Bar terminators, paid for separately. See Total Bill of Material.*
- *For details of piles see Sheet 35 of 41.*
- *For additional notes and details see Sheets 30 and 31 of 41.*
- *For Bar Splicer Details see Sheet 37 of 41.*
- *Maximum applied service bearing pressure for spread footing (Qmax) = 1.5 ksf.*

PILE DATA

Type: HP16x141
Nominal Required Bearing: 1,126 kips
Factored Resistance Available: 619 kips
Est. Length: 89 ft
No. Production Piles: 12
No. Test Piles: 1

MODEL: SMODELNAMES
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DESIGN FIRM REG. NO. 184.004721

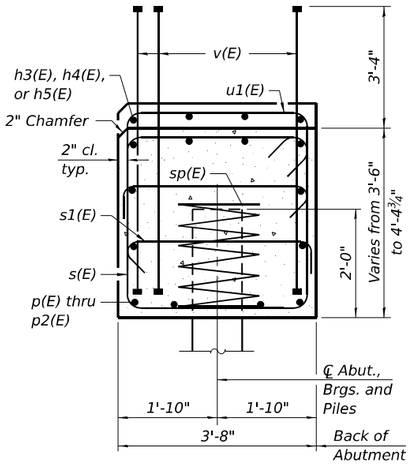
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

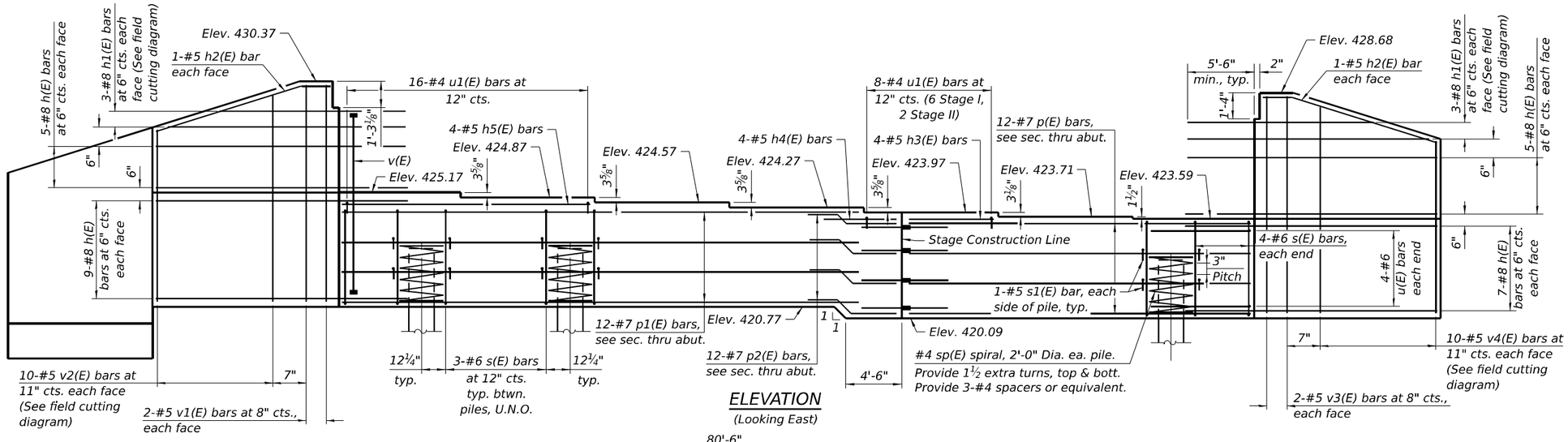
WEST ABUTMENT
STRUCTURE NO. 028-0095
SHEET 28 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	225
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

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SEC. THRU ABUT.



ELEVATION

(Looking East)

Notes:

Pour steps monolithically with cap.

Bar terminators, paid for separately. See Total Bill of Material.

For details of piles see Sheet 35 of 41.

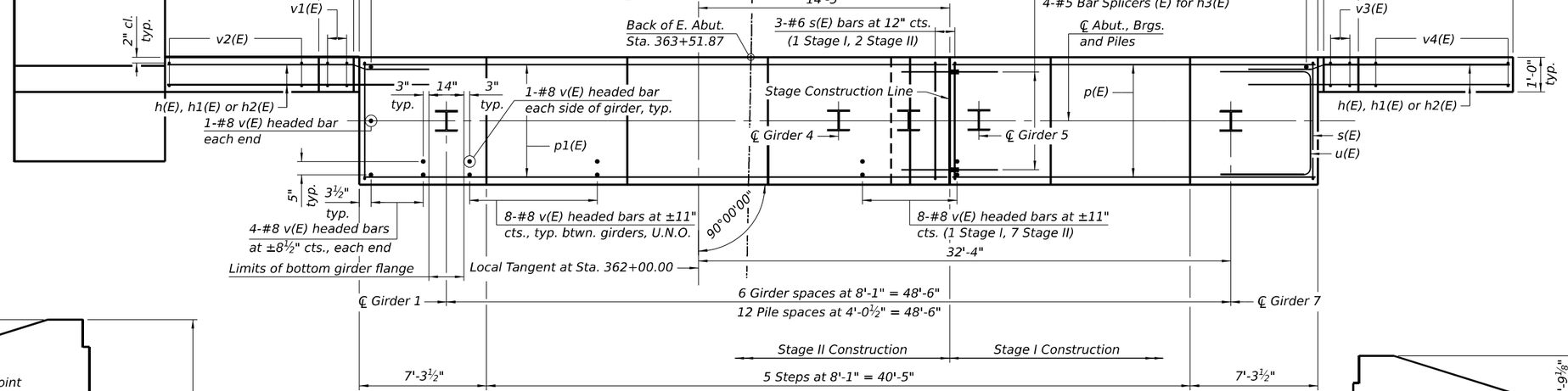
For additional notes and details see Sheets 30 and 31 of 41.

For Bar Splicer Details see Sheet 37 of 41.

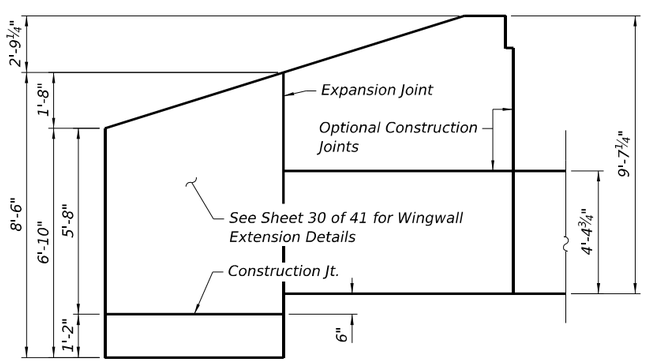
Maximum applied service bearing pressure for spread footing (Qmax) = 1.5 ksf.

PILE DATA

Type: HP16x141
Nominal Required Bearing: 1,126 kips
Factored Resistance Available: 619 kips
Est. Length: 36 ft
No. Production Piles: 12
No. Test Piles: 1

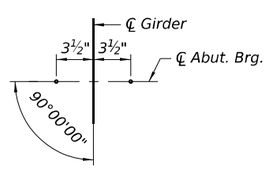


PLAN

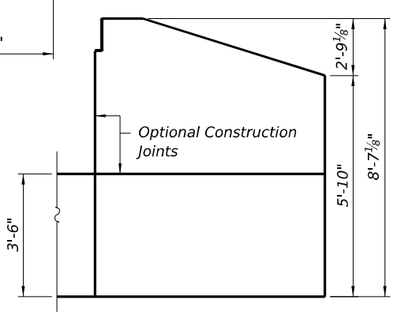


NORTH WING ELEVATION

(Looking East)



ANCHOR BOLT LAYOUT



SOUTH WING ELEVATION

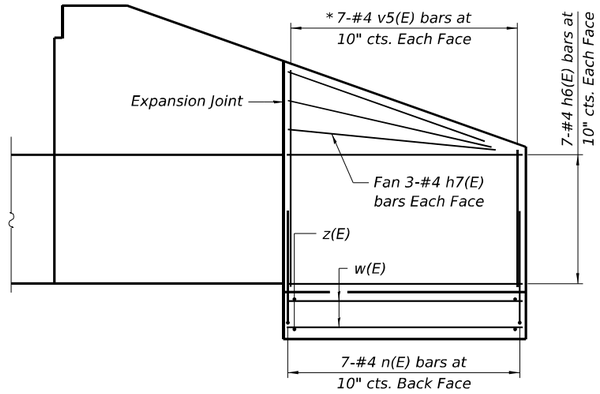
(Looking East)

QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray	DESIGNED - RPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST ABUTMENT STRUCTURE NO. 028-0095 SHEET 29 OF 41 SHEETS
	$FILES$	CHECKED - KFO	REVISED -		
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -		
	PLOT DATE =	CHECKED - MDC	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	226
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

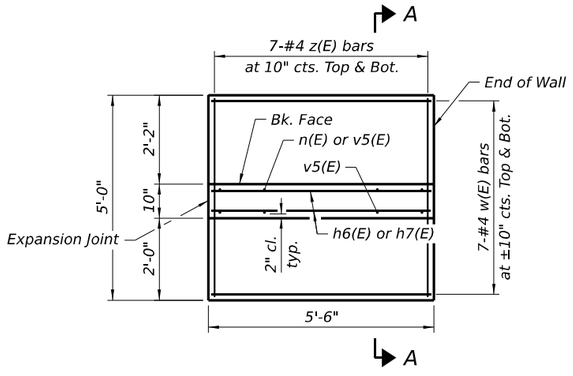
MODEL: $MODELNAME$
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-029-East Abutment.dgn
5/5/2025 1:23:47 PM

* See Field Cutting Diagram



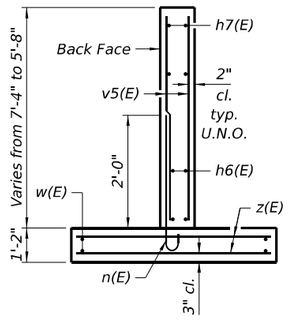
NORTHWEST AND NORTHEAST WINGWALL EXTENSION ELEVATION

(Northwest Wingwall Shown,
Northeast Wingwall Similar)



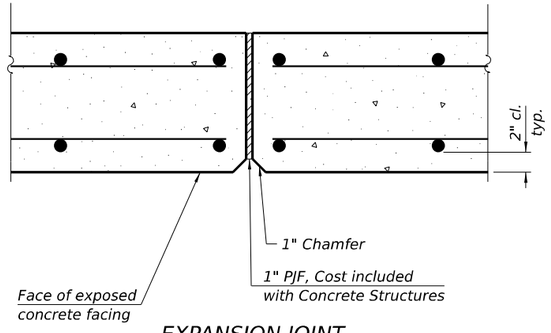
NORTHWEST AND NORTHEAST WINGWALL EXTENSION PLAN

(Northwest Wingwall Shown,
Northeast Wingwall Similar)



SECTION A-A

Notes:
Maximum applied service bearing pressure for spread footings, Qmax = 1.5 ksf.
For additional notes and details see Sheets 28, 29, and 31 of 41.

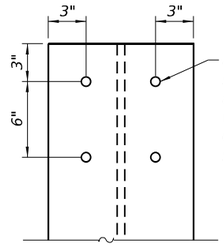


EXPANSION JOINT

QUIGG ENGINEERING INC	USER NAME = JCray	DESIGNED - RPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ABUTMENT DETAILS STRUCTURE NO. 028-0095
DESIGN FIRM REG. NO. 184.004721	$FILES$	CHECKED - KFO	REVISED -		SHEET 30 OF 41 SHEETS
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -		
	PLOT DATE =	CHECKED - MDC	REVISED -		

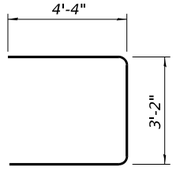
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	227
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl IIWV06 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-030-Abutment Details.dgn
5/5/2025 1:23:48 PM

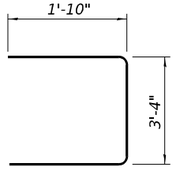


4-¾" ∅ x 4" Granular or solid flux filled headed studs automatically end welded, typ. each flange, each pile. Cost included with Furnishing Steel Piles.

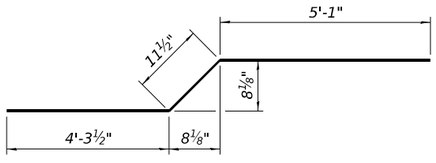
SEISMIC PILE DETAIL



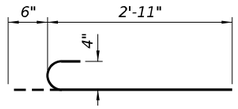
BAR u(E)



BAR u1(E)



BAR p2(E)

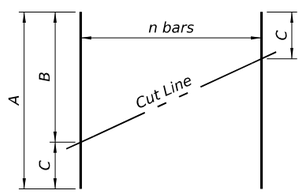


BAR n(E)

Note:
For additional notes and details see Sheets 28 through 30 of 41.

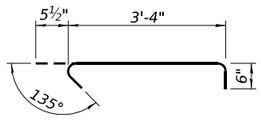
BAR CUTTING INFORMATION TABLE

Bar	n	A	B	C
v2(E)	10	15'-7"	9'-1"	6'-6"
v4(E)	10	13'-7"	8'-1"	5'-6"
v5(E)	7	12'-3"	6'-11"	5'-4"
h1(E)	3	24'-8"	13'-11"	10'-9"

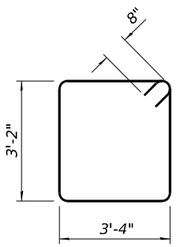


FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite face.



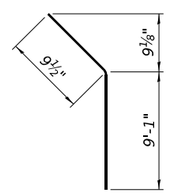
BAR s1(E)



BAR s(E)



BAR v(E)
(Headed. 532-#8 Bar Terminators)



BAR h2(E)

WEST ABUTMENT BILL OF MATERIAL

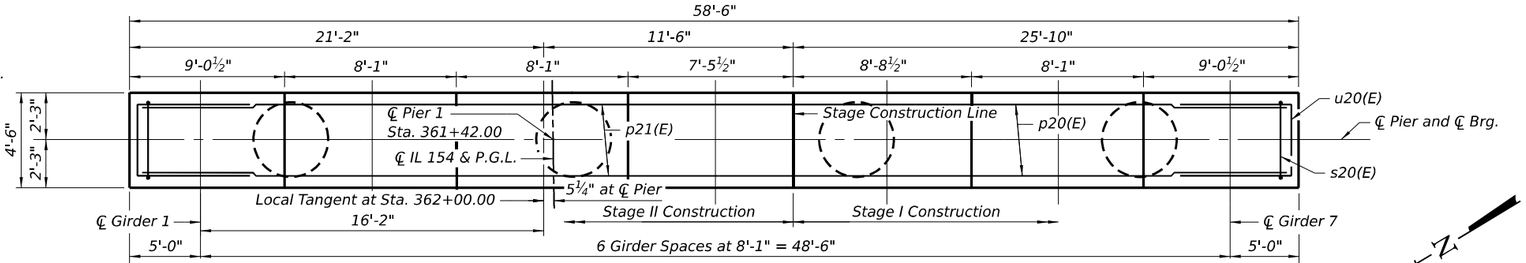
	Bar	No.	Size	Length	Shape
	h(E)	52	#8	15'-5"	
	h1(E)	6	#8	24'-8"	
	h2(E)	4	#5	9'-11"	
	h3(E)	4	#5	5'-5"	
	h4(E)	4	#5	4'-2"	
	h5(E)	4	#5	15'-0"	
	h6(E)	14	#4	5'-2"	
	h7(E)	6	#4	4'-6"	
	n(E)	7	#4	3'-5"	
	p(E)	12	#7	20'-10"	
	p1(E)	12	#7	31'-2"	
	p2(E)	12	#7	10'-4"	
	s(E)	44	#6	14'-4"	
	s1(E)	52	#5	4'-4"	
*	sp(E)	13	#4	2'-0"	
	u(E)	8	#6	11'-10"	
	u1(E)	24	#4	7'-0"	
	v(E)	133	#8	6'-8"	
	v1(E)	4	#5	9'-3"	
	v2(E)	10	#5	15'-7"	
	v3(E)	4	#5	8'-3"	
	v4(E)	10	#5	13'-7"	
	v5(E)	7	#4	12'-3"	
	w(E)	14	#4	5'-2"	
	z(E)	14	#4	4'-8"	
	Structure Excavation	Cu. Yd.	190		
	Concrete Structures	Cu. Yd.	37.0		
	Reinforcement Bars, Epoxy Coated	Pound	9,230		
	Furnishing Steel Piles HP16X141	Foot	1,068		
	Driving Piles	Foot	1,068		
	Test Pile Steel HP16x141	Each	1		

EAST ABUTMENT BILL OF MATERIAL

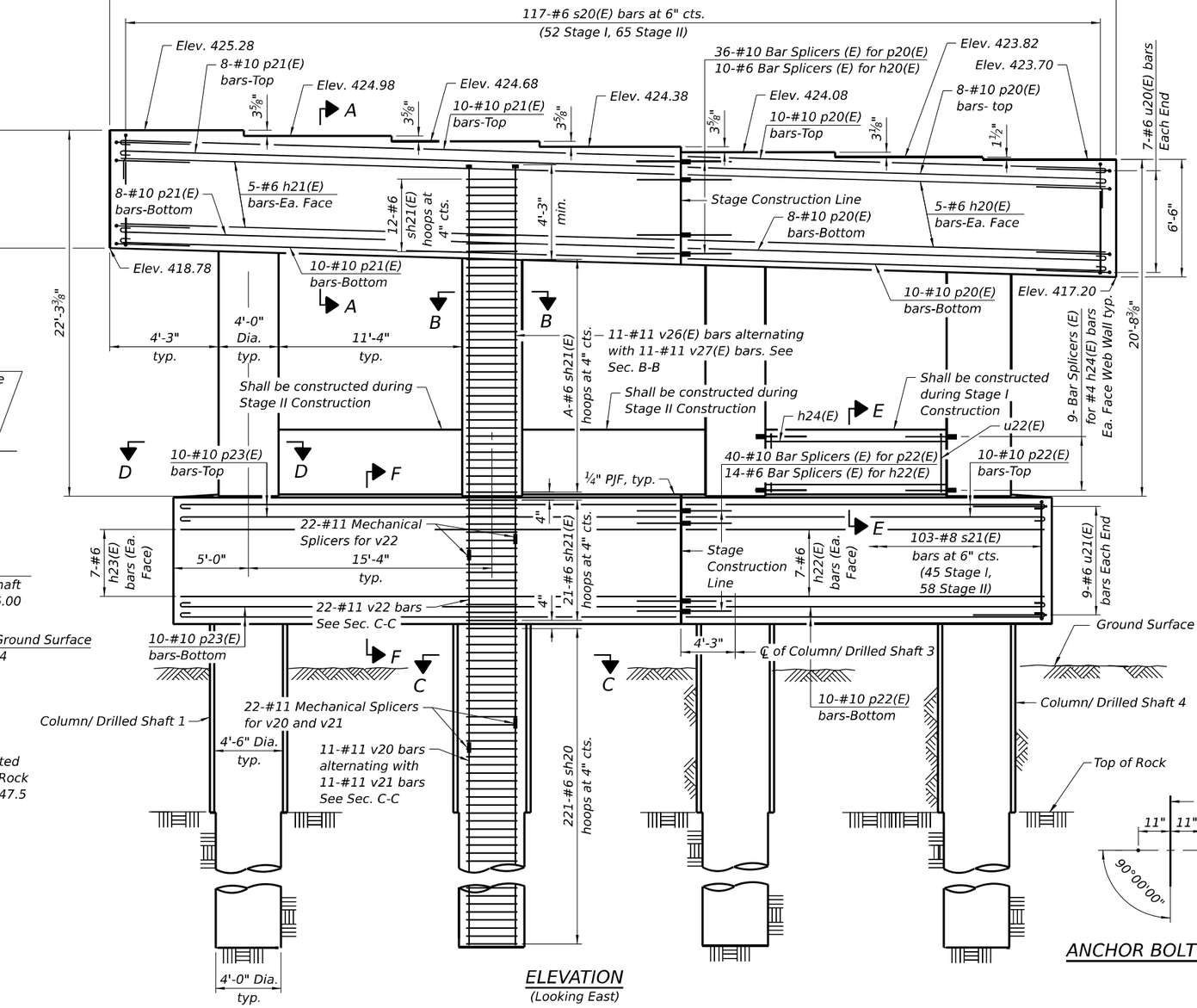
	Bar	No.	Size	Length	Shape
	h(E)	52	#8	15'-5"	
	h1(E)	6	#8	24'-8"	
	h2(E)	4	#5	9'-11"	
	h3(E)	4	#5	5'-5"	
	h4(E)	4	#5	4'-2"	
	h5(E)	4	#5	15'-0"	
	h6(E)	14	#4	5'-2"	
	h7(E)	6	#4	4'-6"	
	n(E)	7	#4	3'-5"	
	p(E)	12	#7	20'-10"	
	p1(E)	12	#7	31'-2"	
	p2(E)	12	#7	10'-4"	
	s(E)	44	#6	14'-4"	
	s1(E)	52	#5	4'-4"	
*	sp(E)	13	#4	2'-0"	
	u(E)	8	#6	11'-10"	
	u1(E)	24	#4	7'-0"	
	v(E)	133	#8	6'-8"	
	v1(E)	4	#5	9'-3"	
	v2(E)	10	#5	15'-7"	
	v3(E)	4	#5	8'-3"	
	v4(E)	10	#5	13'-7"	
	v5(E)	7	#4	12'-3"	
	w(E)	14	#4	5'-2"	
	z(E)	14	#4	4'-8"	
	Structure Excavation	Cu. Yd.	190		
	Concrete Structures	Cu. Yd.	37.0		
	Reinforcement Bars, Epoxy Coated	Pound	9,230		
	Furnishing Steel Piles HP16X141	Foot	432		
	Driving Piles	Foot	432		
	Test Pile Steel HP16x141	Each	1		

* Length is height of spiral.

Notes:
For additional notes and details see Sheet 34 of 41.
For Sections A-A, B-B, C-C, and F-F see Sheet 34 of 41.
The Contractor is responsible for determining the casing thickness and the actual tip elevation to be used. See Article 516.06(d) of the Standard Specifications. The minimum thickness of the Permanent Casing shall be 0.75".
The stage construction line at the new piers does not match that of the new deck and abutments.
Cast steps monolithically with cap.
Space cap reinforcement to miss anchor bolts.

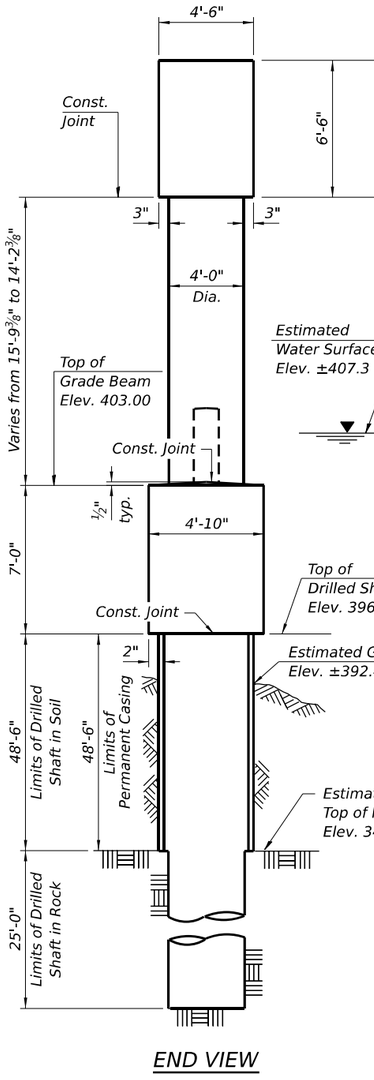


TOP PLAN



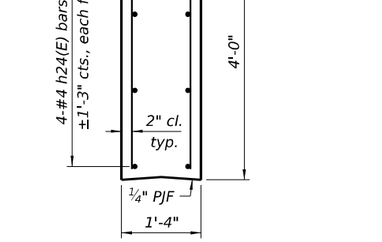
BAR INFORMATION TABLE

	A
Column 1	47
Column 2	45
Column 3	44
Column 4	43



END VIEW

ANCHOR BOLT LAYOUT



SECTION E-E
(Concrete Web Wall)

SECTION D-D

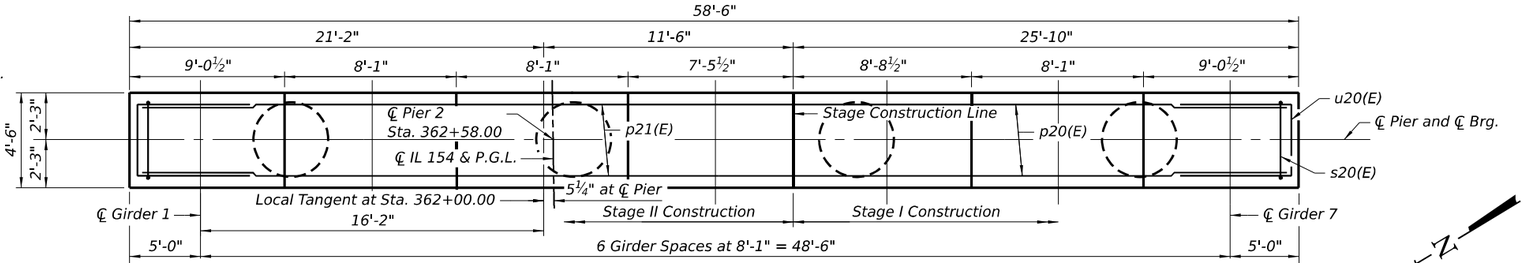
ELEVATION
(Looking East)

QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray	DESIGNED - RPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER 1 STRUCTURE NO. 028-0095
	$FILES$	CHECKED - KFO	REVISED -		
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -		
	PLOT DATE =	CHECKED - MDC	REVISED -		SHEET 32 OF 41 SHEETS

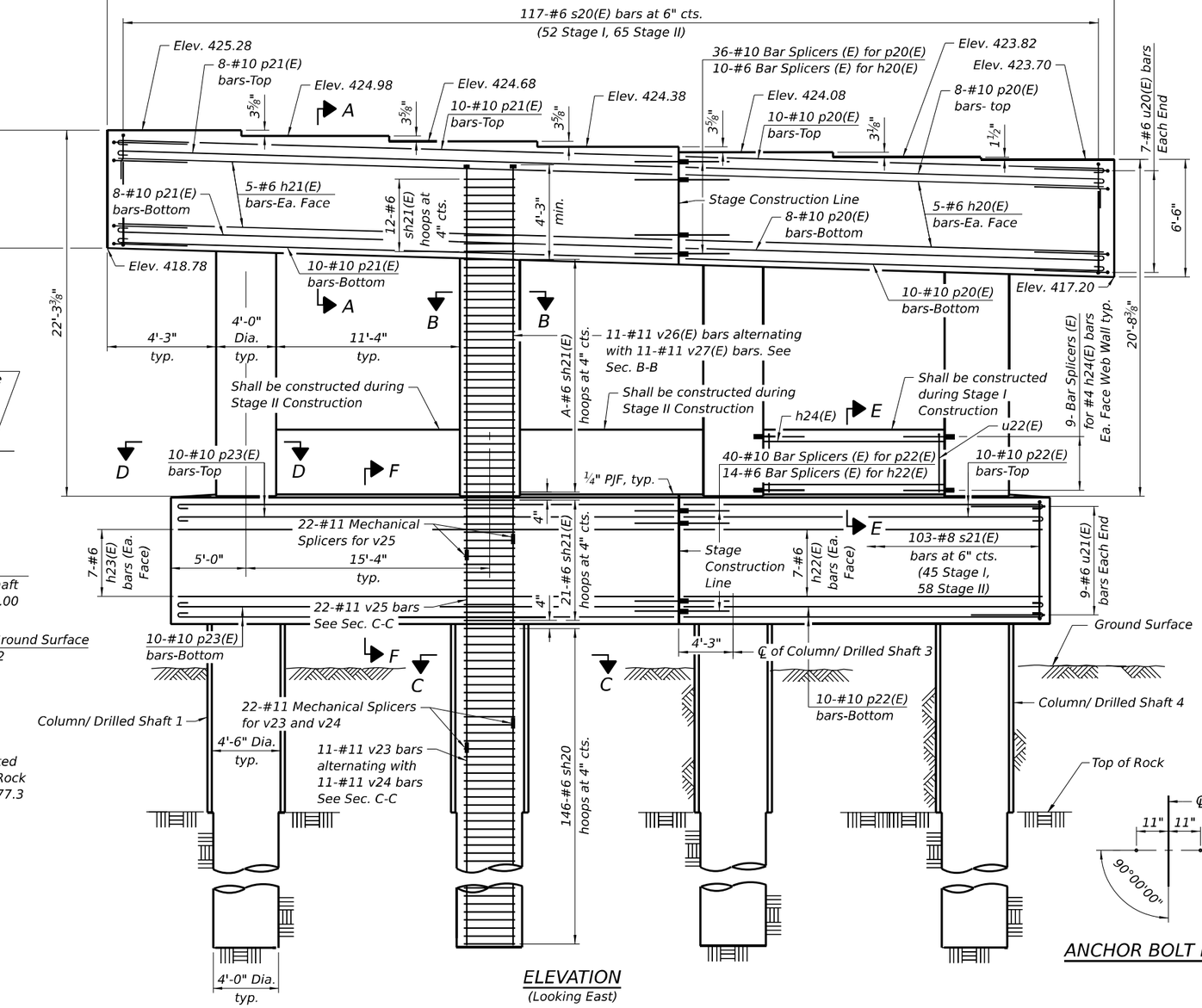
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	229
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var PhI IlWOI IL-154 Bridge\CADD\CADD Sheets\0280095-78786-032-Pier 1.dgn
5/5/2025 1:23:52 PM

Notes:
For additional notes and details see Sheet 34 of 41.
For Sections A-A, B-B, C-C, and F-F see Sheet 34 of 41.
The Contractor is responsible for determining the casing thickness and the actual tip elevation to be used. See Article 516.06(d) of the Standard Specifications. The minimum thickness of the Permanent Casing shall be 0.75".
The stage construction line at the new piers does not match that of the new deck and abutments.
Cast steps monolithically with cap.
Space cap reinforcement to miss anchor bolts.



TOP PLAN

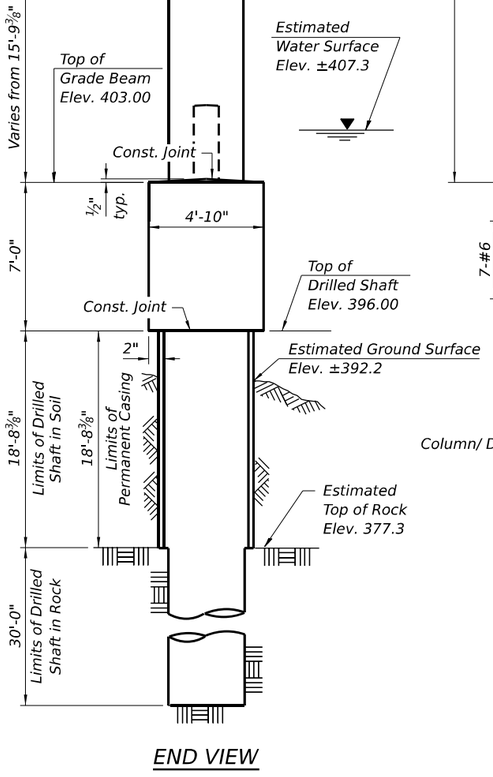


BAR INFORMATION TABLE

	A
Column 1	47
Column 2	46
Column 3	45
Column 4	43

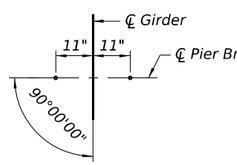


END VIEW

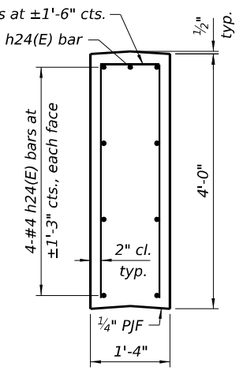


ELEVATION
(Looking East)

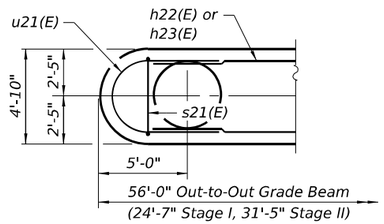
ANCHOR BOLT LAYOUT

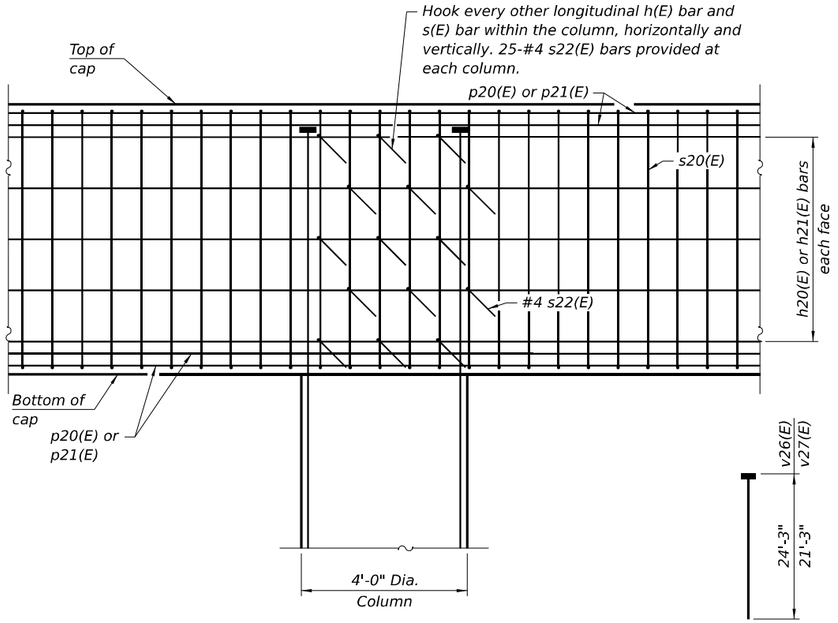


SECTION E-E
(Concrete Web Wall)



SECTION D-D

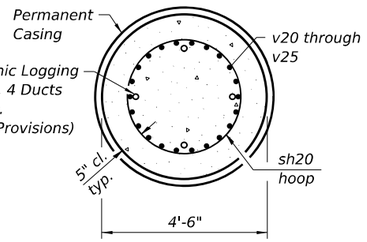




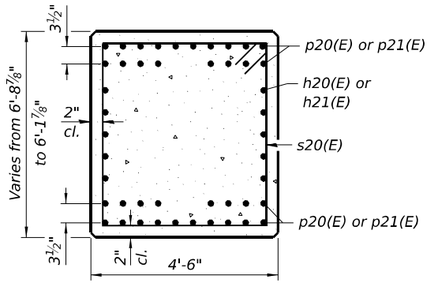
CAP BEAM REINFORCEMENT DETAIL

BARS v26(E) & v27(E)

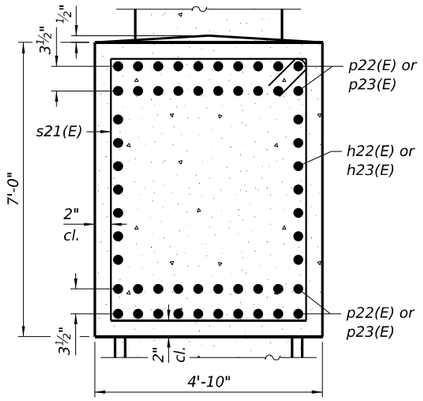
(Headed. 176-#11 Bar Terminators)



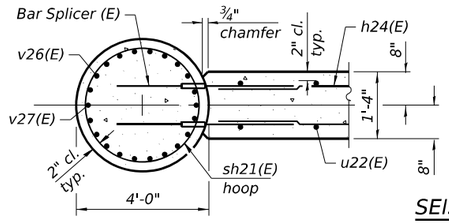
SECTION C-C



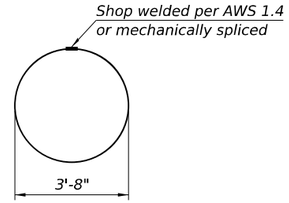
SECTION A-A



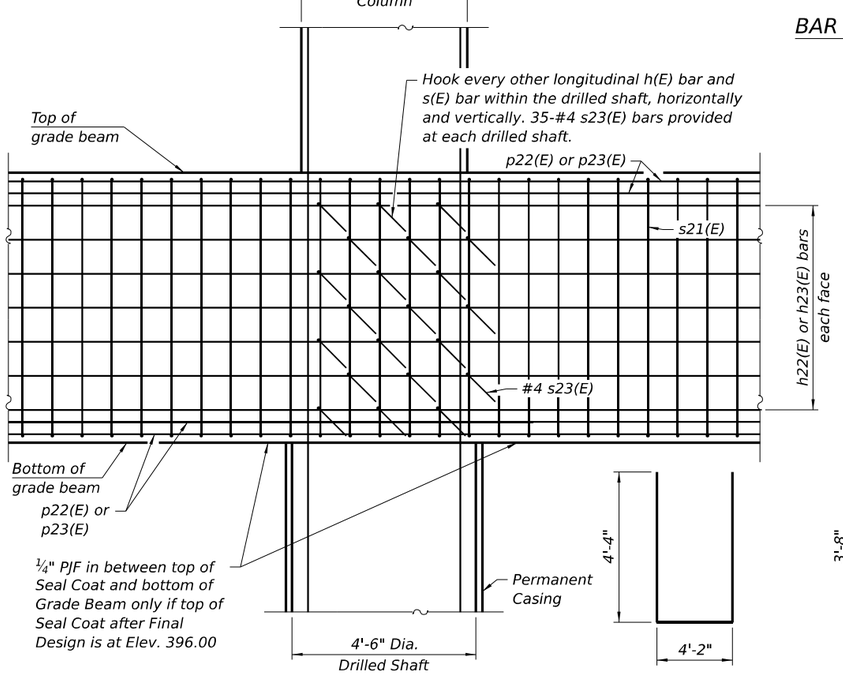
SECTION F-F



SECTION B-B



SEISMIC HOOP sh20 and sh21(E)



GRADE BEAM REINFORCEMENT DETAIL

BAR INFORMATION TABLE

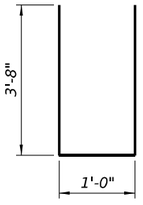
Bar	A
p20(E)	25'-6"
p21(E)	32'-4"
p22(E)	24'-3"
p23(E)	31'-1"



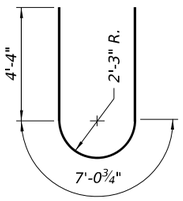
BARS p20(E) THROUGH p23(E)

BAR s20(E)

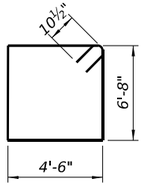
BAR u20(E)



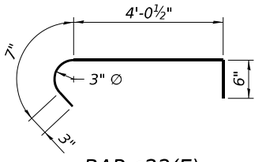
BAR u22(E)



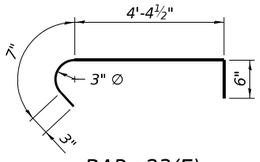
BAR u21(E)



BAR s21(E)



BAR s22(E)



BAR s23(E)

PIER 1 BILL OF MATERIAL

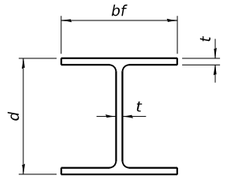
Bar	No.	Size	Length	Shape
h20(E)	10	#6	25'-6"	
h21(E)	10	#6	32'-4"	
h22(E)	14	#6	22'-0"	
h23(E)	14	#6	28'-10"	
h24(E)	27	#4	11'-0"	
p20(E)	36	#10	26'-11"	
p21(E)	36	#10	33'-9"	
p22(E)	40	#10	25'-8"	
p23(E)	40	#10	32'-6"	
s20(E)	117	#6	21'-4"	
s21(E)	103	#8	24'-1"	
s22(E)	100	#4	5'-5"	
s23(E)	140	#4	5'-9"	
sh20	884	#6	11'-6"	
sh21(E)	311	#6	11'-6"	
u20(E)	14	#6	12'-10"	
u21(E)	18	#6	15'-9"	
u22(E)	24	#4	8'-4"	
v20	44	#11	40'-0"	
v21	44	#11	43'-0"	
v22	88	#11	36'-0"	
v26(E)	44	#11	24'-3"	
v27(E)	44	#11	21'-3"	

Concrete Structures	Cu. Yd.	166.2
Reinforcement Bars	Pounds	51,510
Reinforcement Bars, Epoxy Coated	Pound	49,660
Permanent Casing	Foot	194
Drilled Shaft in Soil	Cu. Yd.	114.3
Drilled Shaft in Rock	Cu. Yd.	46.6
Crosshole Sonic Logging Access Ducts	Foot	294
Crosshole Sonic Logging Access Testing	Each	4
Cofferdam Excavation	Cu. Yd.	127
Seal Coat Concrete	Cu. Yd.	235.8

PIER 2 BILL OF MATERIAL

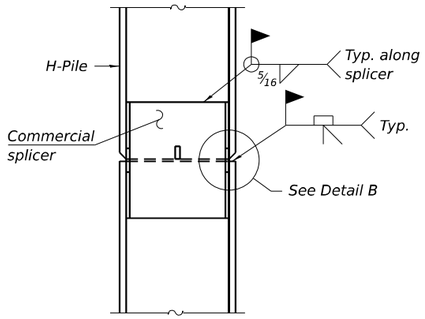
Bar	No.	Size	Length	Shape
h20(E)	10	#6	25'-6"	
h21(E)	10	#6	32'-4"	
h22(E)	14	#6	22'-0"	
h23(E)	14	#6	28'-10"	
h24(E)	27	#4	11'-0"	
p20(E)	36	#10	26'-11"	
p21(E)	36	#10	33'-9"	
p22(E)	40	#10	25'-8"	
p23(E)	40	#10	32'-6"	
s20(E)	117	#6	21'-4"	
s21(E)	103	#8	24'-1"	
s22(E)	100	#4	5'-5"	
s23(E)	140	#4	5'-9"	
sh20	584	#6	11'-6"	
sh21(E)	313	#6	11'-6"	
u20(E)	14	#6	12'-10"	
u21(E)	18	#6	15'-9"	
u22(E)	24	#4	8'-4"	
v23	44	#11	31'-3"	
v24	44	#11	34'-3"	
v25	88	#11	20'-0"	
v26(E)	44	#11	24'-3"	
v27(E)	44	#11	21'-3"	

Concrete Structures	Cu. Yd.	166.2
Reinforcement Bars	Pounds	34,760
Reinforcement Bars, Epoxy Coated	Pound	49,690
Permanent Casing	Foot	75
Drilled Shaft in Soil	Cu. Yd.	44.1
Drilled Shaft in Rock	Cu. Yd.	55.9
Crosshole Sonic Logging Access Ducts	Foot	195
Crosshole Sonic Logging Access Testing	Each	4
Cofferdam Excavation	Cu. Yd.	121
Seal Coat Concrete	Cu. Yd.	235.8

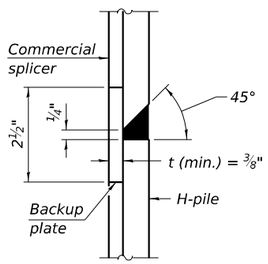


STEEL PILE TABLE

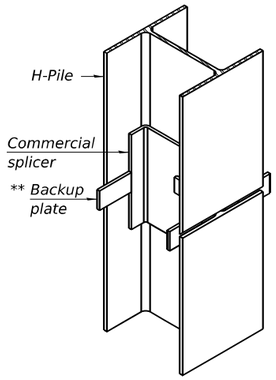
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17¾"	17⅞"	⅞"	36"
x135	17½"	17¾"	¾"	36"
HP 16x183	16½"	16½"	1⅛"	36"
x162	16¼"	16⅛"	1"	36"
x141	16	16	⅞"	36"
x121	15¾"	15⅞"	¾"	36"
HP 14x117	14¼"	14⅞"	13/16"	30"
x102	14"	14¾"	11/16"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅝"	14⅝"	½"	30"
HP 12x84	12¼"	12¼"	11/16"	24"
x74	12⅛"	12¼"	⅝"	24"
x63	12"	12⅛"	½"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	10¼"	9/16"	24"
x42	9¾"	10⅛"	7/16"	24"
HP 8x36	8"	8⅛"	7/16"	18"



ELEVATION

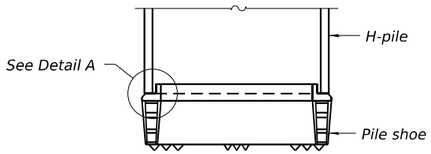


DETAIL B

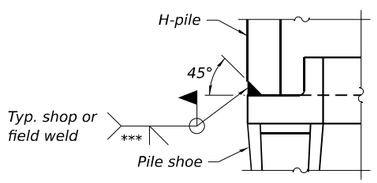


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



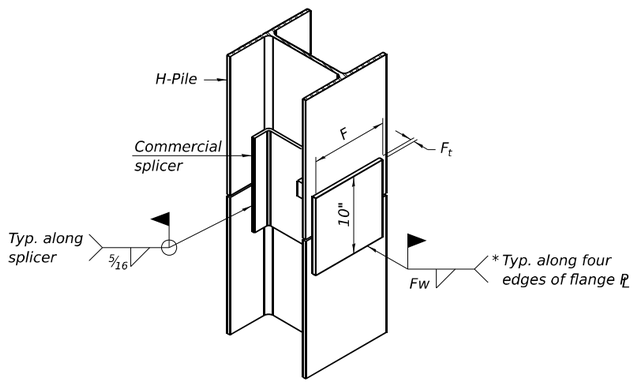
ELEVATION



DETAIL A

SHOE ATTACHMENT

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



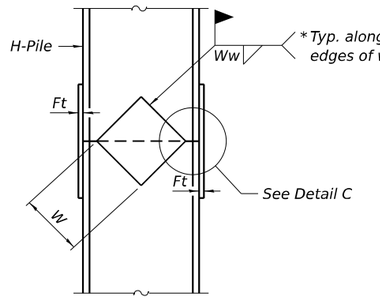
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

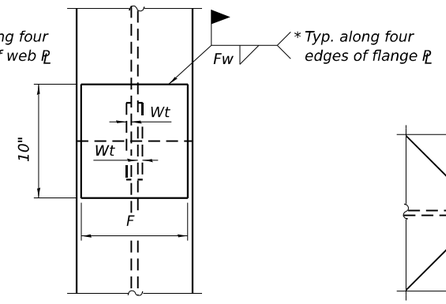
* Interrupt welds ¼" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

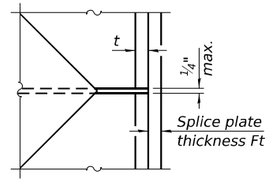
*** Weld size per pile shoe manufacturer (5/16" min.).



ELEVATION



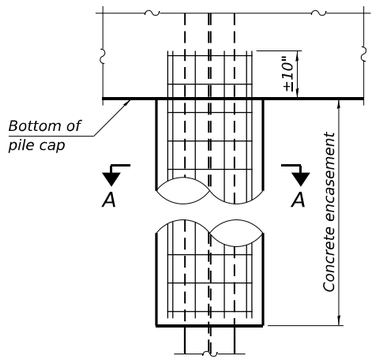
END VIEW



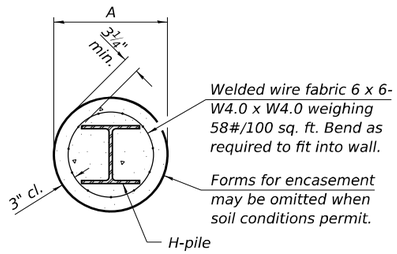
DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 18x181	15½"	1½"	1"	9½"	⅞"	¾"
x157	15¼"	1¼"	1"	9½"	⅞"	¾"
x135	15¼"	1¼"	1"	9½"	⅞"	¾"
HP 16x183	13¾"	1½"	1"	8¼"	⅞"	¾"
x162	13½"	1½"	1"	8¼"	¾"	⅝"
x141	13½"	1¼"	⅞"	8¼"	¾"	⅝"
x121	13½"	1¼"	⅞"	8¼"	¾"	⅝"
HP 14x117	12½"	1¼"	⅞"	7¾"	⅝"	½"
x102	12½"	1"	¾"	7¾"	⅝"	½"
x89	12½"	⅞"	11/16"	7¾"	⅝"	½"
x73	12½"	¾"	9/16"	7¾"	⅝"	½"
HP 12x84	10"	1"	11/16"	6½"	⅝"	½"
x74	10"	⅞"	11/16"	6½"	⅝"	½"
x63	10"	¾"	½"	6½"	½"	⅜"
x53	10"	¾"	½"	6½"	½"	⅜"
HP 10x57	8"	⅞"	9/16"	5¼"	½"	⅜"
x42	8"	¾"	9/16"	5¼"	½"	⅜"
HP 8x36	6¾"	⅝"	7/16"	4"	½"	⅜"

WELDED PLATE FIELD SPLICE



ELEVATION



SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

(when specified)

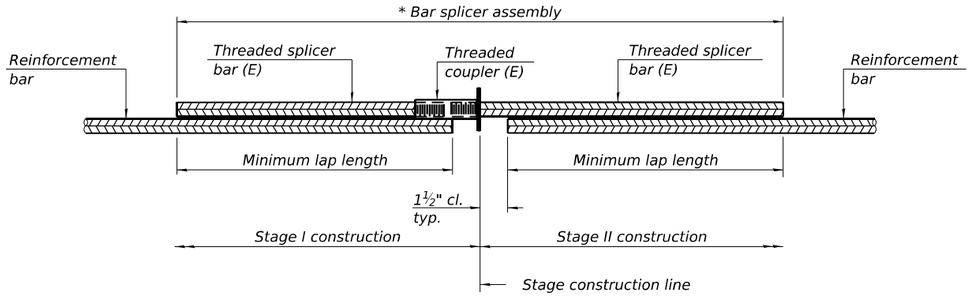
F-HP 10-27-2023

QUIGG ENGINEERING INC	USER NAME = JCray	DESIGNED - RPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HP PILE DETAILS STRUCTURE NO. 028-0095
DESIGN FIRM REG. NO. 184.004721	$FILES$	CHECKED - KFO	REVISED -		SHEET 35 OF 41 SHEETS
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -		
	PLOT DATE =	CHECKED - MDC	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	232
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

MODEL: sMODELNAMES
FILE NAME: S:\2023\23L072 - PTB 209-38 D9 - QEI - Var Phl IIWV06 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-035-HP Pile Details.dgn

5/5/2025 1:23:58 PM



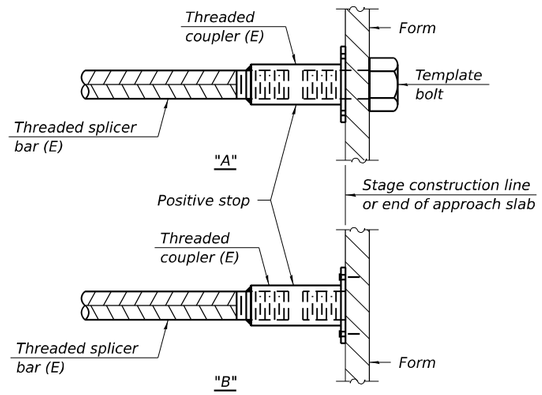
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

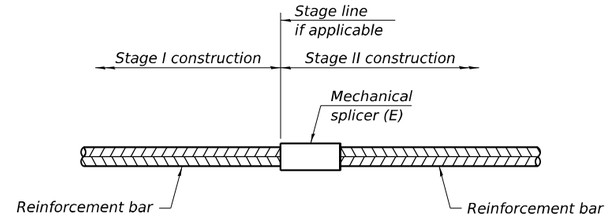
** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
Deck	#5	1,061	3'-10"
W. Diaphragm, m10(E)	#6	5	3'-0"
E. Diaphragm, m10(E)	#6	5	3'-0"
W. Appr. Slab	#5	46	2'-6"
W. Appr. Slab	#8	60	4'-4"
E. Appr. Slab	#5	46	2'-6"
E. Appr. Slab	#8	60	4'-4"
W. Appr. Footing	#5	40	2'-1"
E. Appr. Footing	#5	40	2'-1"
W. Abut.	#5	4	2'-9"
W. Abut.	#7	12	4'-1"
E. Abut.	#5	4	2'-9"
E. Abut.	#7	12	4'-1"
Pier 1	#6	24	3'-3"
Pier 1	#10	76	8'-5"
Pier 2	#6	24	3'-3"
Pier 2	#10	76	8'-5"



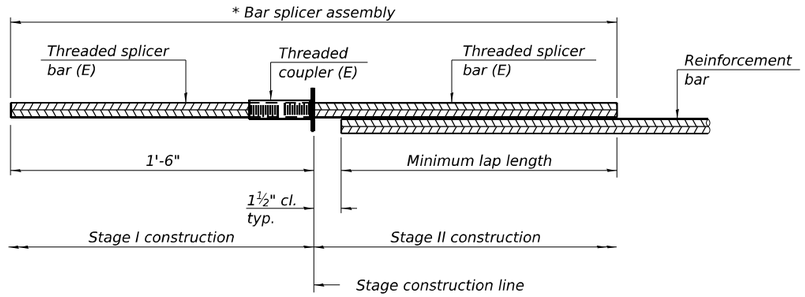
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Pier 1	#11	176
Pier 2	#11	176



STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
W. Diaphragm, m13(E)	#6	4	3'-0"
E. Diaphragm, m13(E)	#6	4	3'-0"
Pier 1	#4	54	2'-2"
Pier 2	#4	54	2'-2"

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

5-15-2023

QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

USER NAME = JCray	DESIGNED - RPW	REVISED -
$FILES$	CHECKED - KFO	REVISED -
PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -
PLOT DATE =	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 028-0095
SHEET 36 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	233
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Pnl IIWO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-036-Bar Splicer.dgn
5/5/2025 1:24:00 PM

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Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Date 02/28/23

ROUTE FAP Route 845 (IL-154) **DESCRIPTION** PTB 195 Item 62 IL 154 at Rend Lake **LOGGED BY** SCI

SECTION 112 (RS-4, BLP-1); 112B-4 **LOCATION** , **SEC.** 13, **TWP.** 5S, **RNG.** 2E
Lat 38.087832 **Long** -88.929427

COUNTY Franklin **DRILLING METHOD** CME 75 with HSA and Mud Rotary **HAMMER TYPE** Automatic

STRUCT. NO. 028-0052 (Proposed)
Station 362+0.00

BORING NO. B-12
Station 361+38
Offset 5 ft RT
Ground Surface Elev. 426 ft

Surface Water Elev. 407.4 ft
Stream Bed Elev. 394.3 ft

Groundwater Elev.:
First Encounter 407.4 ft
Upon Completion N/A ft
After N/A **Hrs.** N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
1" ASPHALT 425.9 / 7" CONCRETE 425.3			
-5			
-10			
-15			
407.4 SURFACE WATER LEVEL			
-20			
-25			
-30			
394.3 Riprap			
-35			
386.0			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Date 02/28/23

ROUTE FAP Route 845 (IL-154) **DESCRIPTION** IL 154 at Rend Lake **LOGGED BY** SCI

SECTION 112 (RS-4, BLP-1); 112B-4 **LOCATION** , **SEC.** 13, **TWP.** 5S, **RNG.** 2E
Lat 38.087832 **Long** -88.929427

COUNTY Franklin **DRILLING METHOD** CME 75 with HSA and Mud Rotary **HAMMER TYPE** Automatic

STRUCT. NO. 028-0052 (Proposed)
Station 362+0.00

BORING NO. B-12
Station 361+38
Offset 5 ft RT
Ground Surface Elev. 426 ft

Surface Water Elev. 407.4 ft
Stream Bed Elev. 394.3 ft

Groundwater Elev.:
First Encounter 407.4 ft
Upon Completion N/A ft
After N/A **Hrs.** N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MUDLINE SAND: Gray, loose, wet A-2			
Grain Size Analysis Test Performed	2 5 6	NC	--
-45			
381.0 Switched to mud rotary			
CLAY: Gray, stiff, moist A-7 Becomes brown and gray *Unconfined Compressive Test Performed*	ST-1	1.0 S/3	22
Becomes gray	4 6 8	2.1 B/20	28
-50			
Becomes gray and brown, wet			
-55	4 4 5	0.7 S/20	32
Unconfined Compressive Test Performed	ST-2	0.9 S/2	25
Becomes gray, medium stiff			
-60	3 4 4	0.2 B/20	26

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY: Gray, stiff, moist A-7 *(continued)*			
-65	3 4 4	0.2 B/20	23
Unconfined Compressive Test Performed	ST-3	0.8 S/14	27
Becomes stiff			
-70	4 7 8	0.8 B/20	22
352.0			
SAND: Gray, loose, wet 351.5 A-2 *Grain Size Analysis Test Performed*	2 3 2	0.3 B/20	29
-75			
CLAY: Gray, medium stiff, wet A-7			
347.5			
SHALE: Gray, hard 347.0	50/5"	NC	12
Auger refusal at 79 feet.			
-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

MODEL: SMODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var Pht IIWO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-037-Boring Logs.dgn
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QEI QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray	DESIGNED - RPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	$FILES$	CHECKED - KFO	REVISED -	
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -	
	PLOT DATE =	CHECKED - MDC	REVISED -	

BORING LOGS
STRUCTURE NO. 028-0095
SHEET 37 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	234
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

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Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Date 04/11/23

ROUTE FAP Route 845 (IL-154) **DESCRIPTION** IL 154 at Rend Lake **LOGGED BY** SCI

SECTION 112 (RS-4, BLP-1); 112B-4 **LOCATION** , **SEC.** 13, **TWP.** 5S, **RNG.** 2E
Lat 38.087671 **Long** -88.929083

COUNTY Franklin **DRILLING METHOD** CME 75 with HSA and Mud Rotary **HAMMER TYPE** Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. B-13
Station 362+53
Offset 5 ft RT
Ground Surface Elev. 426 ft

Surface Water Elev. 410.0 ft
Stream Bed Elev. 394.3 ft

Groundwater Elev.:
First Encounter 410.0 ft
Upon Completion N/A ft
After N/A **Hrs.** N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6.5" CONCRETE 425.5			
-5			
-10			
-15			
410.0 SURFACE WATER LEVEL			
-20			
-25			
-30			
394.3 MUDLINE GRAVELLY SILT: Gray, soft, wet A-4			
-35			
Percent passing the number 200 sieve: 66.5%	2 1 1	<0.25 P	19
388.5 CLAY: Reddish-brown and gray, stiff, moist A-7			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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Illinois Department of Transportation
Division of Highways
SCI Engineering

SOIL BORING LOG

Date 04/11/23

ROUTE FAP Route 845 (IL-154) **DESCRIPTION** IL 154 at Rend Lake **LOGGED BY** SCI

SECTION 112 (RS-4, BLP-1); 112B-4 **LOCATION** , **SEC.** 13, **TWP.** 5S, **RNG.** 2E
Lat 38.087671 **Long** -88.929083

COUNTY Franklin **DRILLING METHOD** CME 75 with HSA and Mud Rotary **HAMMER TYPE** Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. B-13
Station 362+53
Offset 5 ft RT
Ground Surface Elev. 426 ft

Surface Water Elev. 410.0 ft
Stream Bed Elev. 394.3 ft

Groundwater Elev.:
First Encounter 410.0 ft
Upon Completion N/A ft
After N/A **Hrs.** N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY: Reddish-brown and gray, stiff, moist A-7 *(continued)*	2 4 5	1.1 S/20	23
382.3 SAND: Gray, medium dense, moist A-3			
-45	12 18 11	NC	--
379.0 CLAY: Brown, soft, wet A-6	ST-1		
377.3 SHALE: Gray, hard			
375.8 -50 Auger refusal at 50 feet.	50/2"		
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

MODEL: sMODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var PH IIWO6 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-038-Boring Logs.dgn
5/5/2025 1:24:12 PM

QUIGG ENGINEERING INC
DESIGN FIRM REG. NO. 184.004721

USER NAME = JCray	DESIGNED - RPW	REVISED -	
$FILES$	CHECKED - KFO	REVISED -	
PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -	
PLOT DATE =	CHECKED - MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 028-0095
SHEET 38 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	235
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

DocuSign Envelope ID: AC99F5A5-0732-43AB-969E-F772069EAD94

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 4/16/20

ROUTE IL 154 **DESCRIPTION** Bridge over Rend Lake **LOGGED BY** Lee Estel

SECTION 112B-3 (from 1966) **LOCATION** 0.9 miles West of I-57, **SEC.** 18, **TWP.** 5S, **RNG.** 3E, 3 **PM**

COUNTY Franklin **DRILLING METHOD** Hollow stem auger (8" O.D., 3.25" I.D.) **HAMMER TYPE** Auto SPT 140 lb

STRUCT. NO. 028-0052
Station 362+00

BORING NO. S-1
Station 363+52
Offset 11.0ft RT
Ground Surface Elev. 425.4 ft

Surface Water Elev. 408.8 ft
Stream Bed Elev. 385.3 ft

Groundwater Elev.:
▽ **First Encounter** 399.4 ft
▽ **Upon Completion** ft
▽ **After** Hrs. ft

DEPTH (ft)	BLOWS	UCS Qu (tsf)	MOIST (%)
Cored Pavement, 2.5" HMA over 18" PCC			
423.69			
V. Stiff Brown, Moist SILTY CLAY	1		
	4 4	2.1 B	16
(Stiff) -5	1 3 4	1.7 B	19
(Brown with specks of Black)	1		
	2 7	1.1 S	19
415.90			
V. Soft Greyish Brown, Moist SILTY CLAY -10	1		
	2 5	0.2 B	23
413.40			
M. Stiff Brown, Moist SILTY CLAY LOAM	1		
	6 4	0.5 B	19
(Brown and Grey) -15	1 3 4	0.5 S	17
408.40			
Stiff Brown and Grey with specks of Red and Black, Moist SILTY CLAY LOAM	1		
	4 7	1.1 S	15
405.90			
V. Stiff Blue Grey, Moist CLAY -20	1		
V. Stiff Blue Grey, Moist CLAY *(continued)*			17
	4 6	2.7 B	
403.40			
Stiff Blue Grey, Moist CLAY	1		
	2 4	1.4 B	27
(Brown) -25	1		
	3 5	1.7 B	22
▽			
398.40			
Stiff Brown, Moist SILTY CLAY LOAM	1		
	2 4	1.8 B	19
	1		
-30	4 5	1.9 B	19
393.40			
V. Stiff Brown, Moist SANDSTONE	6		
	40 60	2.9 S	18
390.90			
Hard Brown, Dry SANDSTONE -35	100/3.25"		15
(Bore hole continued with rock coring.)			
Bottom of Hole @ 44.8 feet			
Benchmark referenced to BM 134, Cut Square in S.E. Parapet wall SN 028-0052; Elev: 427.32			
To convert "N" values to "N60", multiply by 1.5 -40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\MATERIALS GEOTECHNICAL UNIT\GINT\PROJECTS\PROJECTS FILE\FRANKLIN\STRUCTURES\028-0052 IL 154 OVER REND LAKE\023-0052 IL 154 OVER REND LAKE 2020.GPJ Data Template D6TEMPLT GDT Date Printed 5/15/20
Latitude 38 05 15.02 Longitude 88 55 43.62 Datum NAD83 Joo Number

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Illinois Department of Transportation
Division of Highways
District 6

ROCK CORE LOG

Date 4/16/20

ROUTE IL 154 **DESCRIPTION** Bridge over Rend Lake **LOGGED BY** Lee Estel

SECTION 112B-3 (from 1966) **LOCATION** 0.9 miles West of I-57, **SEC.** 18, **TWP.** 5S, **RNG.** 3E, 3 **PM**

COUNTY Franklin **CORING METHOD** Conventional rotary with water

STRUCT. NO. 028-0052
Station 362+00

BORING NO. S-1
Station 363+52
Offset 11.0ft RT
Ground Surface Elev. 425.4 ft

CORING BARREL TYPE & SIZE NV3 5FT NWJ
Core Diameter 1.78 in
Top of Rock Elev. 393.40 ft
Begin Core Elev. 390.60 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Brown, Dry SANDSTONE, Medium Grained, Field Hardness: Low 34.8 to 38.7 ft depth	1	73	0	10	
(Field Hardness: Friable 38.7 to 39.2 ft depth) (Field Hardness: Low 39.2 to 44.8 ft depth) -40	2	40	10	10	59.6
380.60 -45					
-50					

Color pictures of the cores Yes, attached
Cores will be stored for examination until 5 Years after Construction
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
RQD is the ratio of the total length of sound core specimens >4" to total length of core run

BBS, form 138 (Rev. 8-99)

ROCK CORE 028-0052 IL 154 OVER REND LAKE 2020.GPJ D6TEMPLT.GDT 5/15/20

MODEL: sMODELNAMES
FILE NAME: S:\2023\23IL072 - PTB 209-38 D9 - QEI - Var PH IIW06 IL-154 Bridge\CADD\CADD Sheets\0280095-78786-039-Boring Logs.dgn
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QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray $FILES$ PLOT SCALE = 0.167 ' / in. PLOT DATE =	DESIGNED - RPW CHECKED - KFO DRAWN - JDC CHECKED - MDC	REVISED - REVISED - REVISED - REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**

BORING LOGS
STRUCTURE NO. 028-0095
SHEET 39 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	236
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

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Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 4/20/20

ROUTE IL 154 **DESCRIPTION** Bridge over Rend Lake **LOGGED BY** Lee Estel

SECTION 112B-3 (from 1966) **LOCATION** 0.9 miles West of I-57, **SEC.** 18, **TWP.** 5S, **RNG.** 3E, 3 **PM**

COUNTY Franklin **DRILLING METHOD** Hollow stem auger (8" O.D., 3.25" I.D.) **HAMMER TYPE** Auto SPT 140 lb

STRUCT. NO. 028-0052
Station 362+00

BORING NO. S-2
Station 360+20
Offset 10.0ft LT
Ground Surface Elev. 425.9 ft

Surface Water Elev. 408.8 ft
Stream Bed Elev. 385.3 ft

Groundwater Elev.:
▽ **First Encounter** 388.9 ft
▼ **Upon Completion** ft
▼ **After** Hrs. ft

DEPTH (ft)	BLOWS	UCS Qu (tsf)	MOIST (%)
Cored Pavement, 1.5" HMA over 10" PCC 424.94			
V. Stiff Brown, Moist SILTY CLAY	2		
	5 5	3.1 S	16
-5	1		
	3 4	2.3 S	14
	1		
	3 5	3.1 S	16
416.40			
Stiff Brown, Moist SILTY CLAY -10	1		
	4 4	1.2 B	17
413.90			
M. Stiff Brown, Moist CLAY	1		
	2 3	0.6 B	22
-15	1		
	1 3	0.7 B	19
408.90			
V. Stiff Brown with specks of Grey, Moist CLAY	1		
	3 3	3.1 B	18
406.40			
V. Stiff Brown, Moist SILTY CLAY -20	1		
V. Stiff Brown, Moist SILTY CLAY *(continued)*	4 5	2.5 S	17
403.90			
M. Stiff Brown with Grey spots, Moist SILTY CLAY LOAM	1		
	2 3	0.7 B	20
401.40			
Soft Brown with Grey spots, Moist SILTY CLAY LOAM -25	1		
	1 3	0.25 B	25
398.90			
Stiff Brown, Moist CLAY	1		
	4 6	1.6 B	20
396.40			
Stiff Grey with Black streaks, Moist CLAY -30	1		
	4 5	1.2 B	23
	1		
	2 3	1.2 B	21
391.40			
Soft Grey, V. Moist CLAY -35	WOH		
	WOH WOH	0.25 B	29
▽ 388.90			
V. Stiff Grey, Moist SILTY CLAY	1		
	5 7	2.3 S	19
386.40			
M. Stiff Grey, Moist SILTY CLAY -40	2		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\MATERIALS GEOTECHNICAL UNIT\GINT\PROJECTS\PROJECTS FILE\FRANKLIN\STRUCTURES\028-0052 IL 154 OVER REND LAKE\023-0052 IL 154 OVER REND LAKE 2020.GPJ Data Template D6TEMPLT.GDT Date Printed 5/15/20
Latitude 38 05 16.84 Longitude 88 55 47.05 Datum NAD83 Job Number

DocuSign Envelope ID: AC99F5A5-0732-43AB-969E-F772069EAD94

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 4/20/20

ROUTE IL 154 **DESCRIPTION** Bridge over Rend Lake **LOGGED BY** Lee Estel

SECTION 112B-3 (from 1966) **LOCATION** 0.9 miles West of I-57, **SEC.** 18, **TWP.** 5S, **RNG.** 3E, 3 **PM**

COUNTY Franklin **DRILLING METHOD** Hollow stem auger (8" O.D., 3.25" I.D.) **HAMMER TYPE** Auto SPT 140 lb

STRUCT. NO. 028-0052
Station 362+00

BORING NO. S-2
Station 360+20
Offset 10.0ft LT
Ground Surface Elev. 425.9 ft

Surface Water Elev. 408.8 ft
Stream Bed Elev. 385.3 ft

Groundwater Elev.:
▽ **First Encounter** 388.9 ft
▼ **Upon Completion** ft
▼ **After** Hrs. ft

DEPTH (ft)	BLOWS	UCS Qu (tsf)	MOIST (%)
M. Stiff Grey, Moist SILTY CLAY *(continued)*	4 3	0.8 B	28
381.40			
Soft Grey, Moist CLAY -45	WOH		
	WOH WOH	0.4 B	26
376.40			
Stiff Brown and mottled Grey, Moist CLAY -50	1		
	3 5	2.0 B	26
-55	1		
	3 4	1.2 B	27
(Grey) -60	WOH		
(Grey) *(continued)*	1 1	1.2 B	27
361.40			
M. Stiff Grey, Moist CLAY -65	WOH		
	1 1	0.8 B	20
356.40			
V. Loose Grey, Wet Coarse Grained SAND -70	WOH		
	1 1		20
351.40			
Stiff Grey, Moist SILTY LOAM -75	10		
	16 22	1.3 S	19
346.40			
V. Stiff Grey, Moist SILTY LOAM -80	4		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

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Latitude 38 05 16.84 Longitude 88 55 47.05 Datum NAD83 Job Number

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QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray $FILES$ PLOT SCALE = 0.167 ' / in. PLOT DATE =	DESIGNED - RPW CHECKED - KFO DRAWN - JDC CHECKED - MDC	REVISED - REVISED - REVISED - REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**

BORING LOGS
STRUCTURE NO. 028-0095
SHEET 40 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	237
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

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Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 4/20/20

ROUTE IL 154 **DESCRIPTION** Bridge over Rend Lake **LOGGED BY** Lee Estel

SECTION 112B-3 (from 1966) **LOCATION** 0.9 miles West of I-57, **SEC.** 18, **TWP.** 5S, **RNG.** 3E, 3 **PM**

COUNTY Franklin **DRILLING METHOD** Hollow stem auger (8" O.D., 3.25" I.D.) **HAMMER TYPE** Auto SPT 140 lb

STRUCT. NO. 028-0052
Station 362+00

BORING NO. S-2
Station 360+20
Offset 10.0ft LT
Ground Surface Elev. 425.9 ft

Surface Water Elev. 408.8 ft
Stream Bed Elev. 385.3 ft

Groundwater Elev.:
First Encounter 388.9 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS	UCS Qu (tsf)	MOIST (%)
V. Stiff Grey, Moist SILTY LOAM *(continued)*		10 23	3.3 B	15
341.40				
Hard Grey, Dry CLAY SHALE	-85	100/2"		
(Borehole continued with rock coring.)				
Bottom of Hole @ 93.6 feet	-90			
Benchmark referenced to BM 134, Cut Square in S.E. Parapet wall SN 028-0052; Elev: 427.32				
To convert "N" values to "N60", multiply by 1.5	-95			
	-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\MATERIALS GEOTECHNICAL UNIT\GINT\PROJECTS\PROJECTS FILE\FRANKLIN\STRUCTURES\028-0052 IL 154 OVER REND LAKE\023-0052 IL 154 OVER REND LAKE 2020.GPJ Data Template D6TEMPLT GDT Date Printed 5/15/20
Latitude 33 05 16.84 Longitude 88 55 47.05 Datum NAD83 Joo Number

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Illinois Department of Transportation
Division of Highways
District 6

ROCK CORE LOG

Date 4/20/20

ROUTE IL 154 **DESCRIPTION** Bridge over Rend Lake **LOGGED BY** Lee Estel

SECTION 112B-3 (from 1966) **LOCATION** 0.9 miles West of I-57, **SEC.** 18, **TWP.** 5S, **RNG.** 3E, 3 **PM**

COUNTY Franklin **CORING METHOD** Conventional rotary with water

STRUCT. NO. 028-0052
Station 362+00

BORING NO. S-2
Station 360+20
Offset 10.0ft LT
Ground Surface Elev. 425.9 ft

CORING BARREL TYPE & SIZE NV3 5FT NWJ
Core Diameter 1.78 in
Top of Rock Elev. 341.40 ft
Begin Core Elev. 341.30 ft

	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Grey, Dry CLAY SHALE, V. Fined Grained, Field Harness: Moderately Hard	-85	1	97	0	6	*66.7
* Specimen length less than 2:1 (L/D). Results may differ from results obtained from a test specimen that meets the requirements.	-90	2	88	0	6	*117.7 *130.3
332.30						
	-95					
	-100					

ROCK CORE 028-0052 IL 154 OVER REND LAKE 2020.GPJ D6TEMPLT.GDT 5/15/20

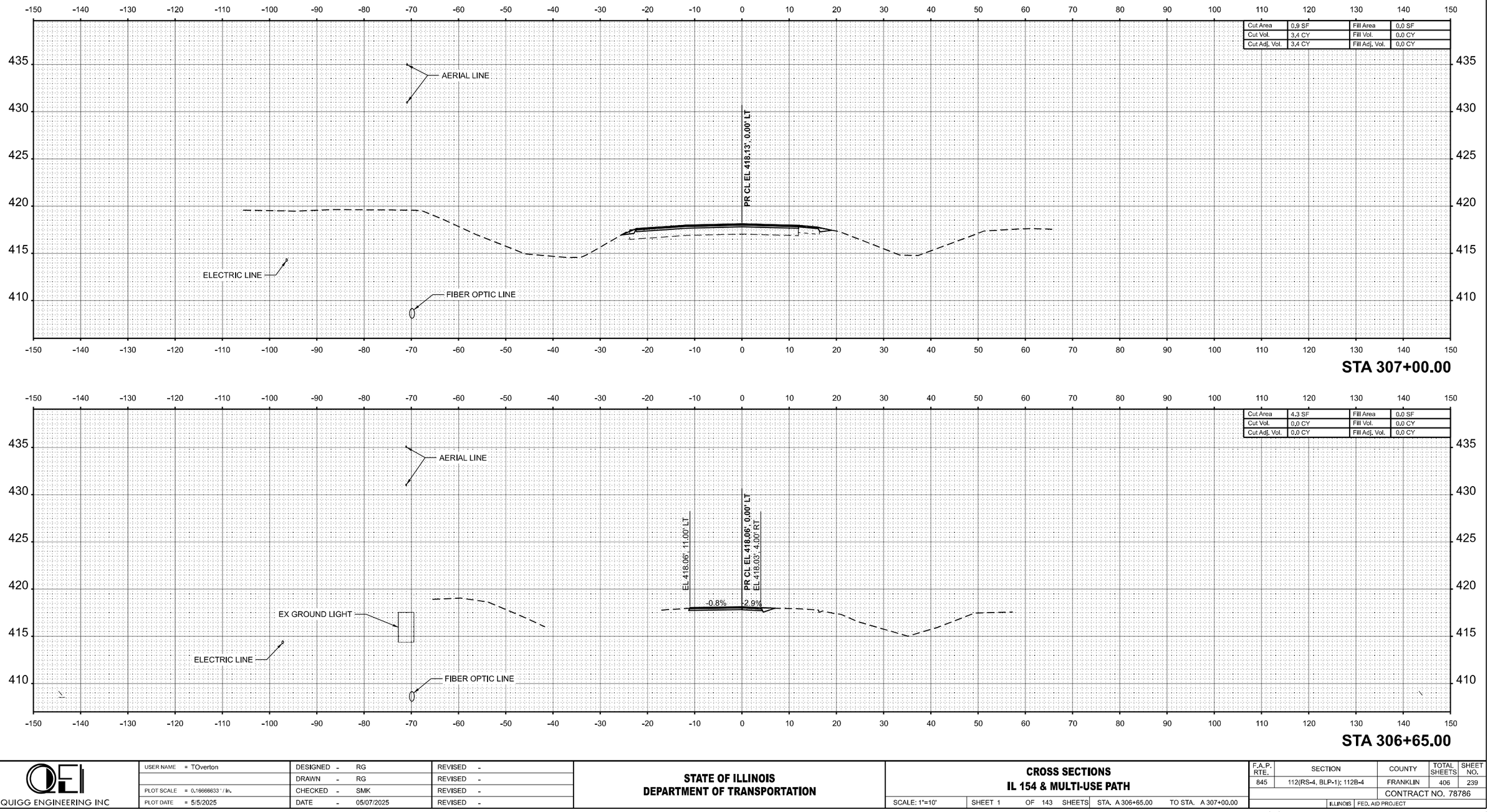
Color pictures of the cores Yes, attached
Cores will be stored for examination until 5 Years after Construction
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
RQD is the ratio of the total length of sound core specimens >4" to total length of core run

BBS, form 138 (Rev. 8-99)

MODEL: $MODELNAMES
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5/5/2025 1:24:27 PM

QUIGG ENGINEERING INC DESIGN FIRM REG. NO. 184.004721	USER NAME = JCray	DESIGNED - RPW	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**BORING LOGS** **STRUCTURE NO. 028-0095** SHEET 41 OF 41 SHEETS
	$FILES$	CHECKED - KFO	REVISED -		
	PLOT SCALE = 0.167 ' / in.	DRAWN - JDC	REVISED -		
	PLOT DATE =	CHECKED - MDC	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4,BLP-1); 112B-4	FRANKLIN	406	238
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: IL 154 - A 306+65.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

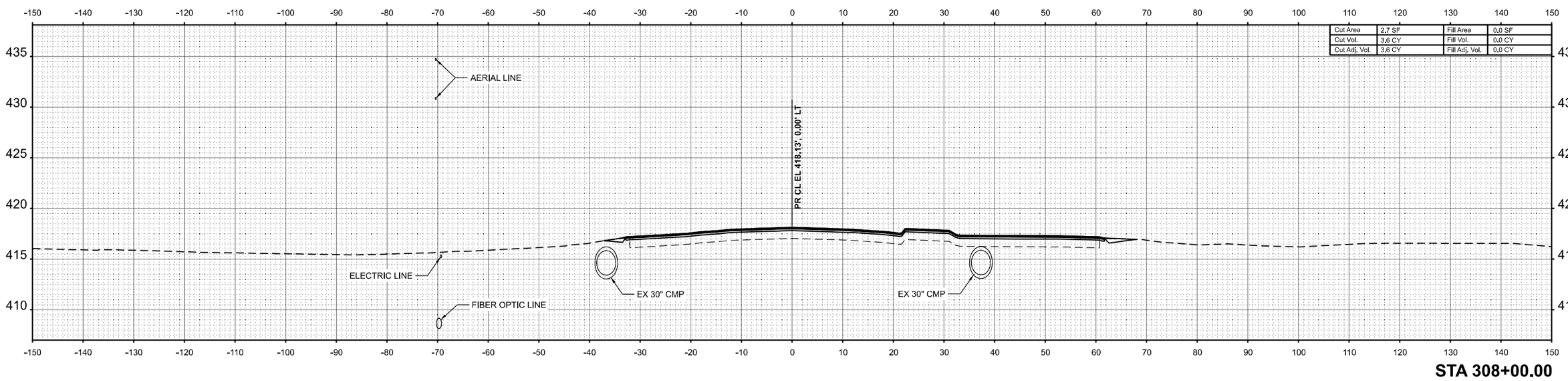
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	DRAWN - RG	REVISED -	
PLOT SCALE = 0.1666633 ' / In.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

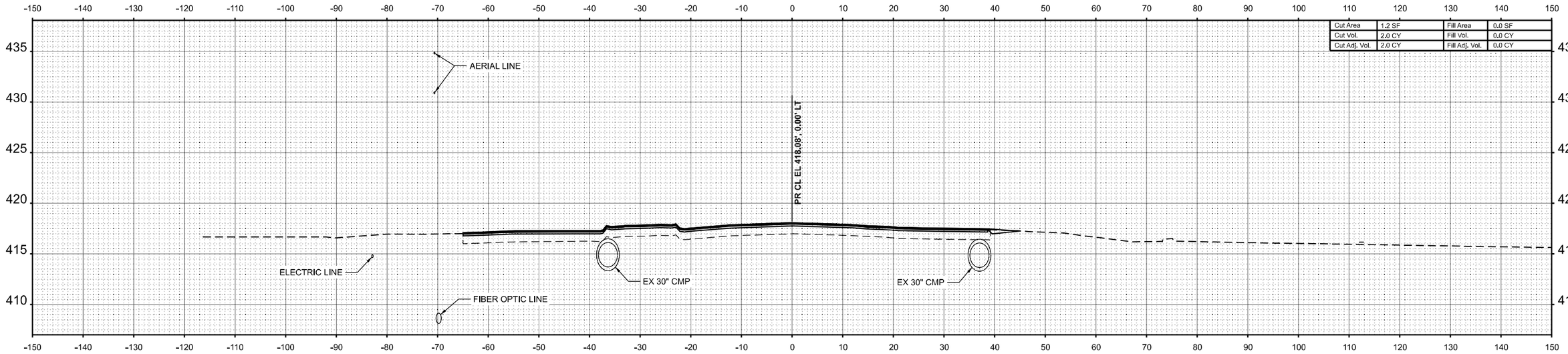
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 1 OF 143 SHEETS | STA. A 306+65.00 | TO STA. A 307+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	239
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	



STA 308+00.00



STA 307+50.00

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

MODEL: IL 154 - A 307+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
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PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

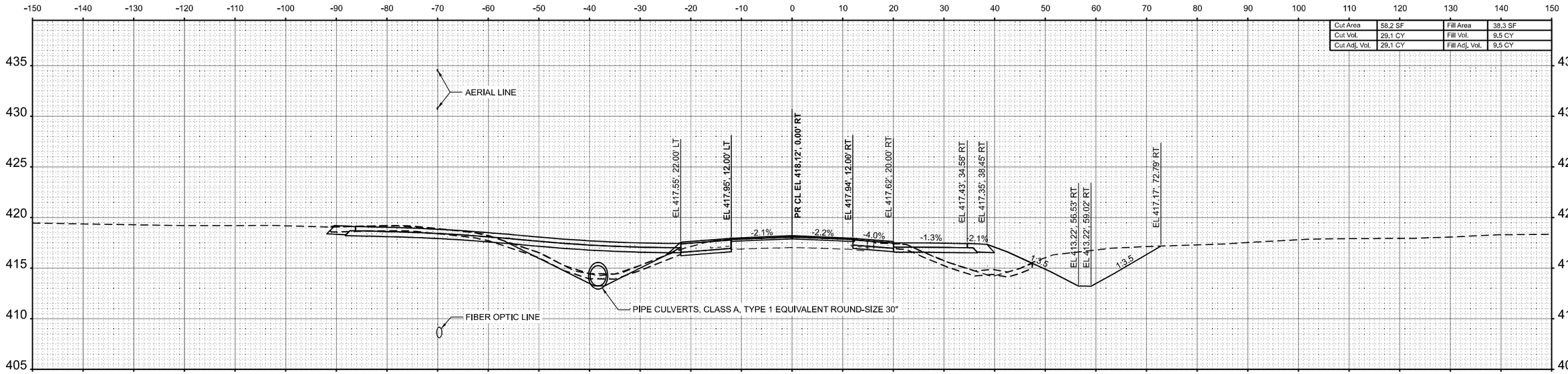
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 2 OF 143 SHEETS | STA. A 307+50.00 | TO STA. A 308+00.00

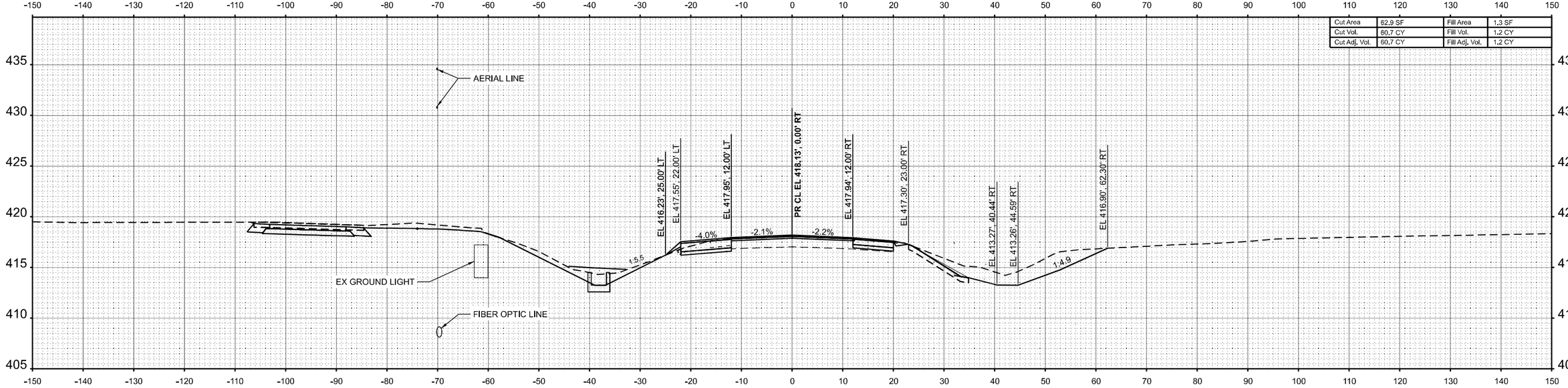
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	240
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

Cut Area	58.2 SF	Fill Area	38.3 SF
Cut Vol.	29.1 CY	Fill Vol.	9.5 CY
Cut Adj. Vol.	29.1 CY	Fill Adj. Vol.	9.5 CY



STA 308+63.00

Cut Area	62.9 SF	Fill Area	1.3 SF
Cut Vol.	60.7 CY	Fill Vol.	1.2 CY
Cut Adj. Vol.	60.7 CY	Fill Adj. Vol.	1.2 CY



STA 308+50.00

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: IL154 - A 308+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

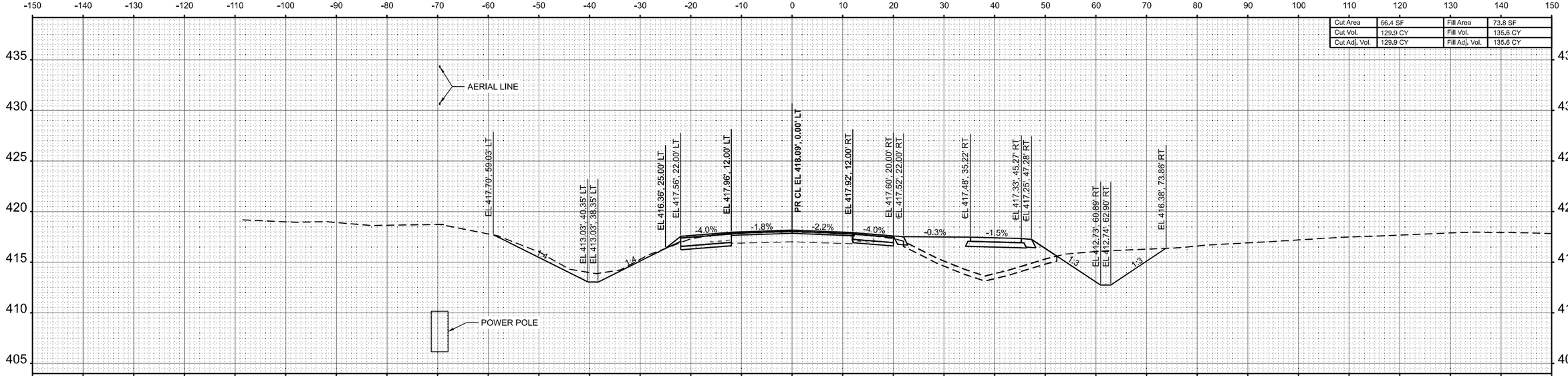
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 3 OF 143 SHEETS | STA. A 308+50.00 | TO STA. A 308+63.00

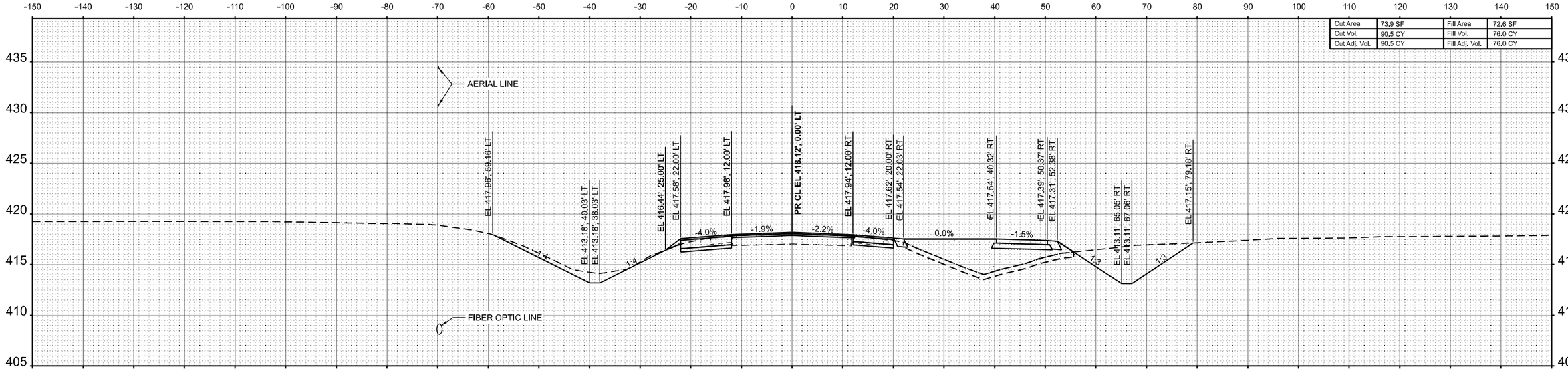
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	241
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

Cut Area	66.4 SF	Fill Area	73.8 SF
Cut Vol.	129.9 CY	Fill Vol.	135.6 CY
Cut Adj. Vol.	129.9 CY	Fill Adj. Vol.	135.6 CY



STA 309+50.00

Cut Area	73.9 SF	Fill Area	72.6 SF
Cut Vol.	90.5 CY	Fill Vol.	76.0 CY
Cut Adj. Vol.	90.5 CY	Fill Adj. Vol.	76.0 CY



STA 309+00.00

QUIGG ENGINEERING INC	USER NAME = TOverton	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -
	PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

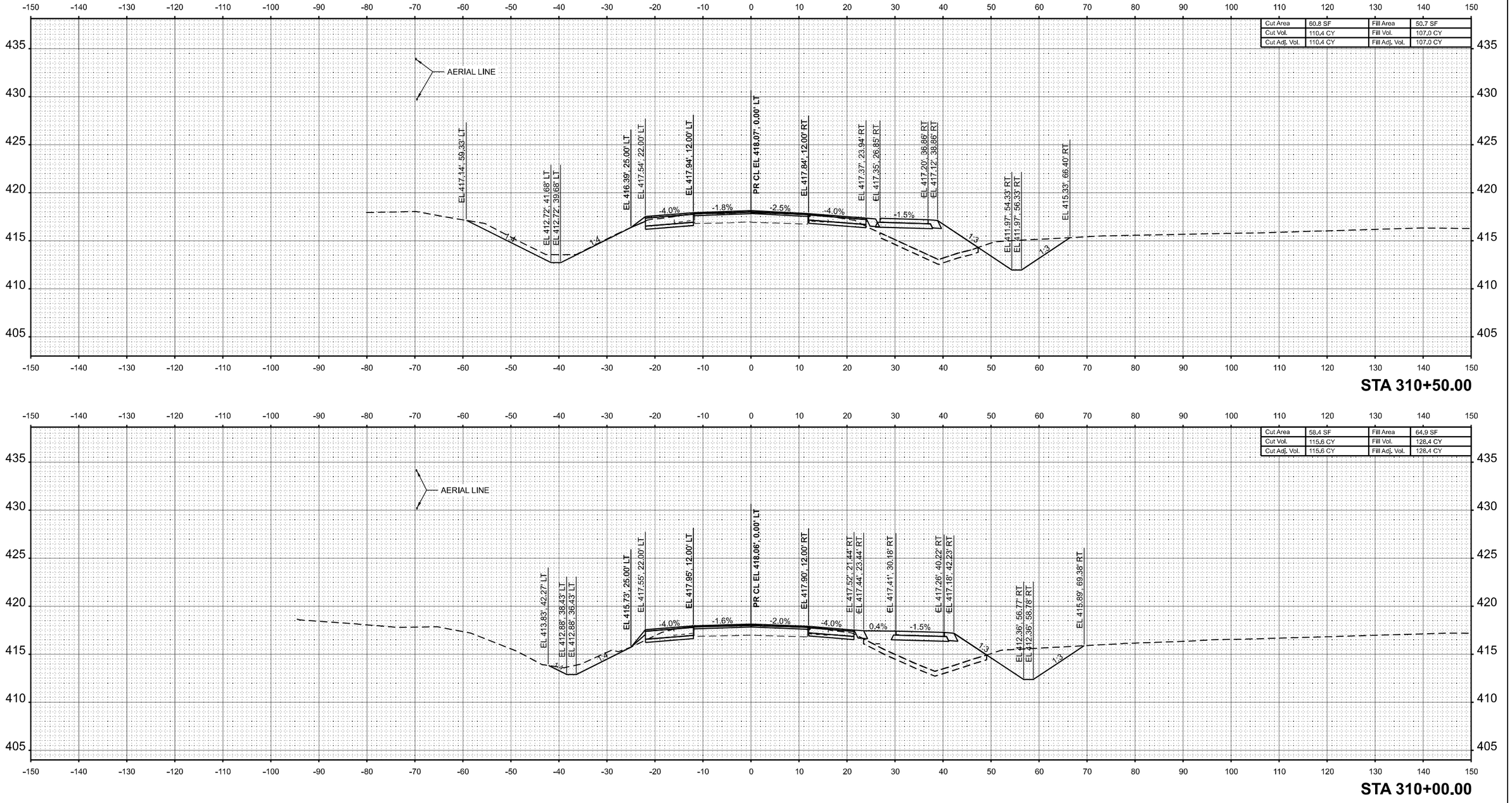
SCALE: 1"=10' | SHEET 4 OF 143 SHEETS | STA. A 309+00.00 | TO STA. A 309+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	242
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: IL154 - A 309+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn



FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: IL154 - A 310+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-xSs_IL154.dgn

QUIGG ENGINEERING INC

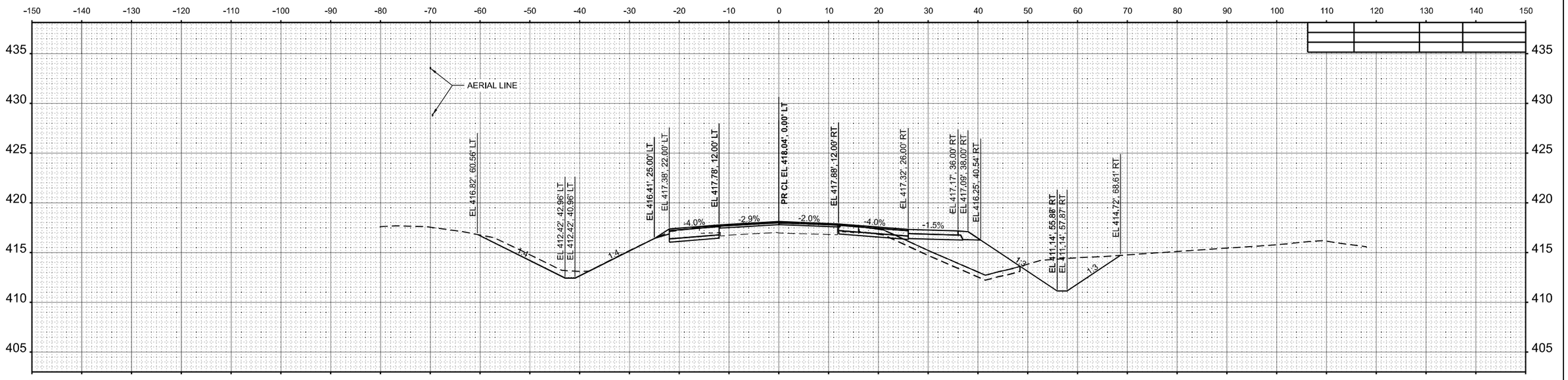
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	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

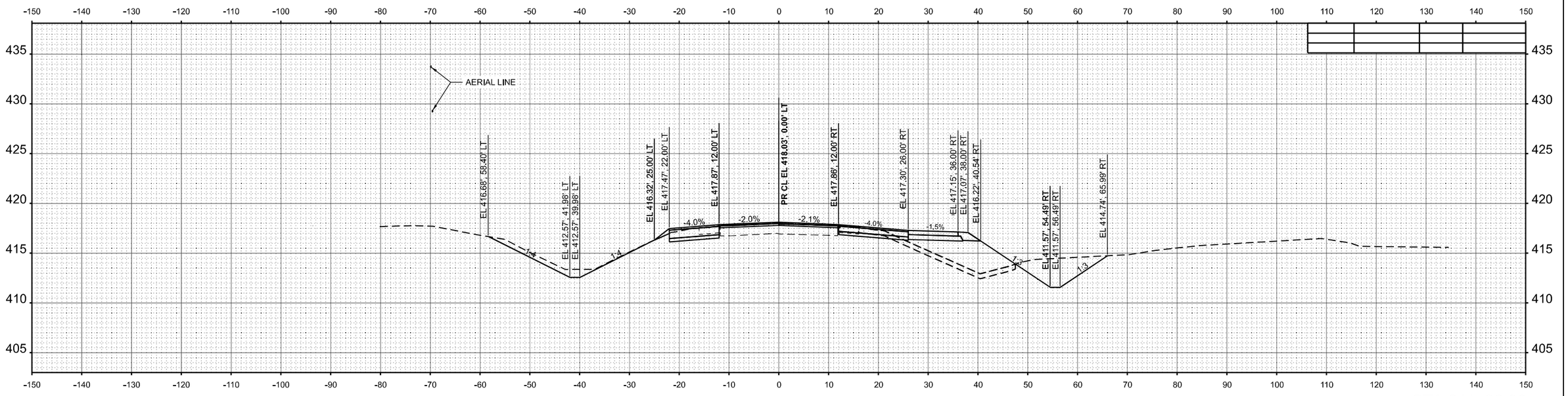
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: | SHEET 5 OF 143 SHEETS | STA. A 310+00.00 | TO STA. A 310+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	243
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



STA 311+50.00



STA 311+00.00

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: IL154 - A 311+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL154 Rend Lake Roxy PH II\CADD\CADD Sheets\D97876-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

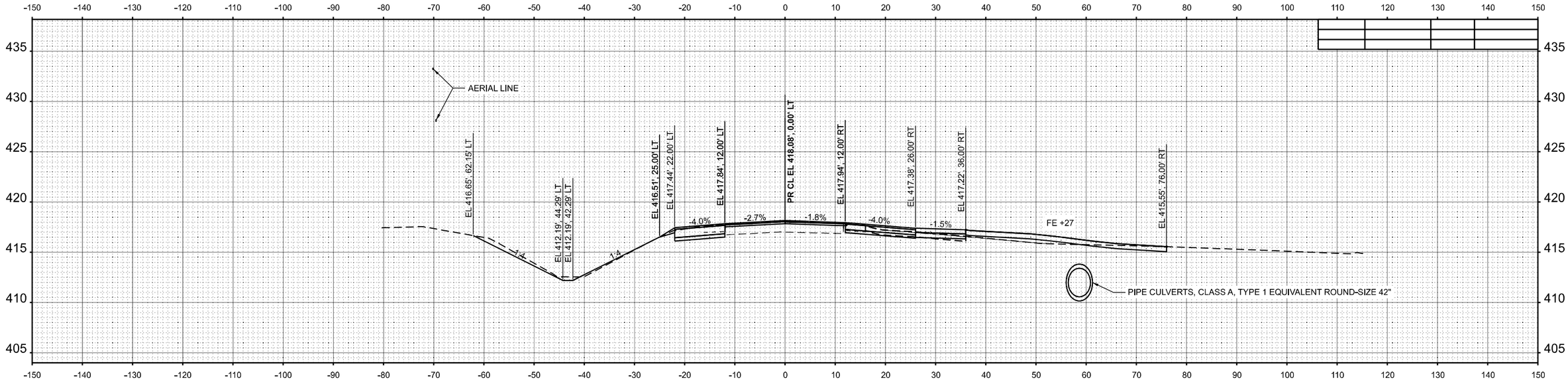
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

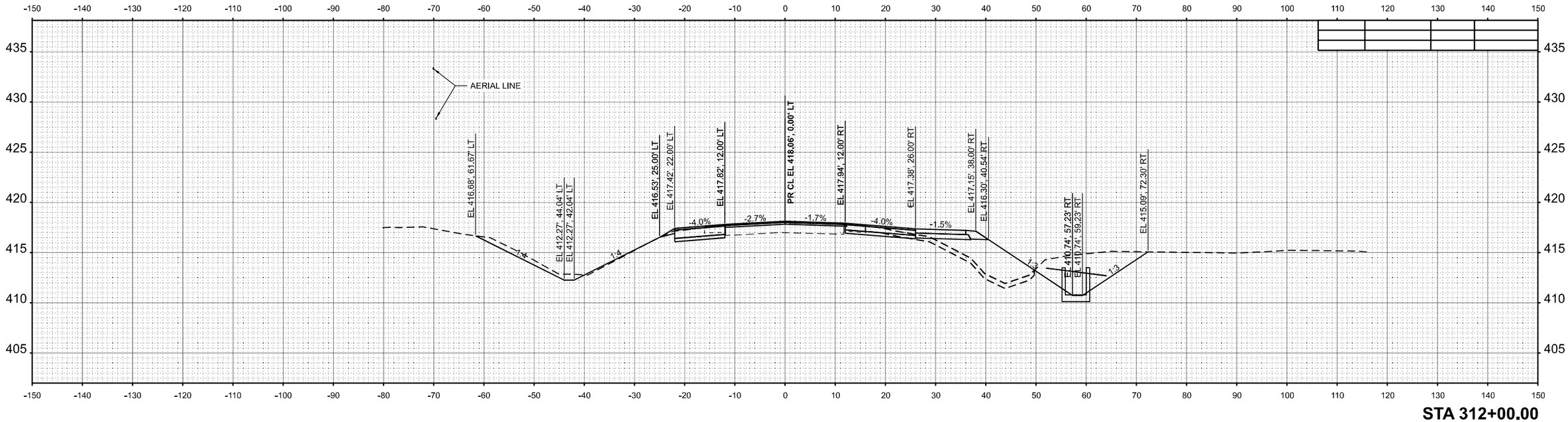
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 6 OF 143 SHEETS | STA. A 311+00.00 | TO STA. A 311+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	244
		CONTRACT NO. 78786		
	ILLINOIS FED. AID PROJECT			



STA 312+27.18



STA 312+00.00

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

QUIGG ENGINEERING INC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

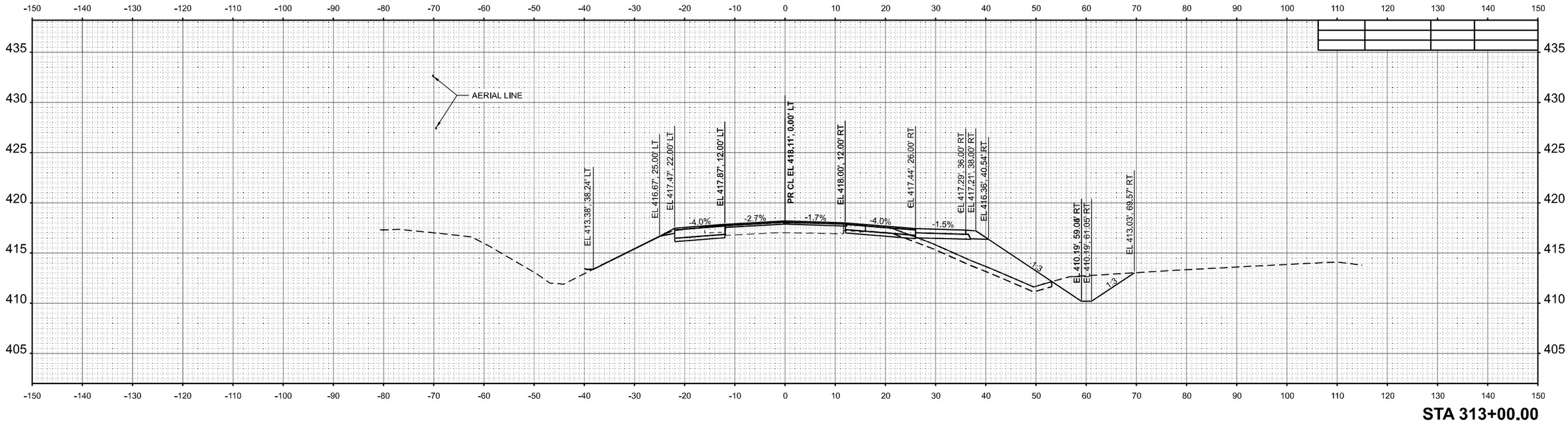
SCALE: 1"=10' | SHEET 7 OF 143 SHEETS | STA. A 312+00.00 | TO STA. A 312+27.18

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	245
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

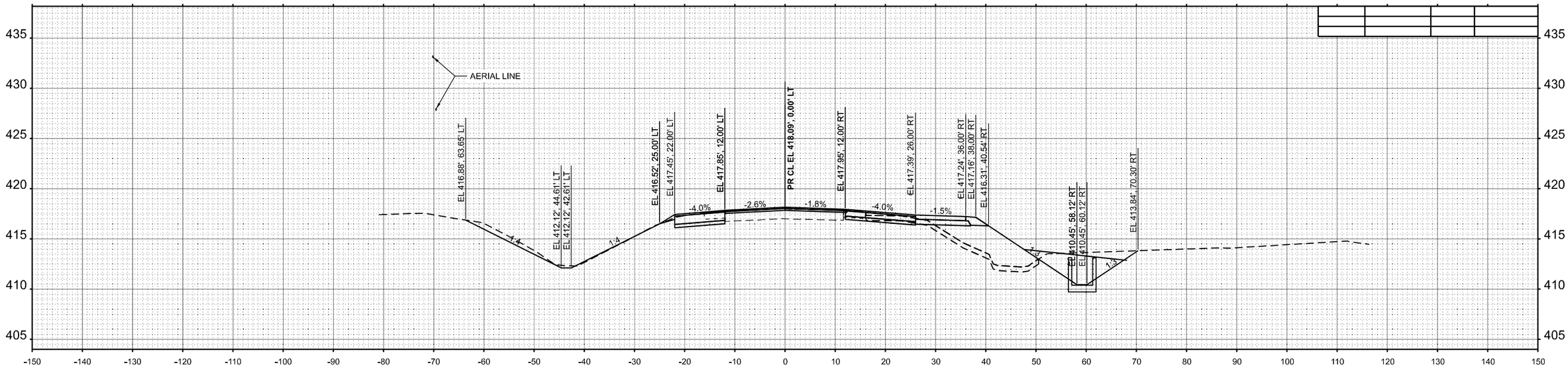
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: IL154 - A 312+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht-xs_IL154.dgn



STA 313+00.00



STA 312+50.00

FINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

MODEL: IL 154 - A 312+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D9787786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

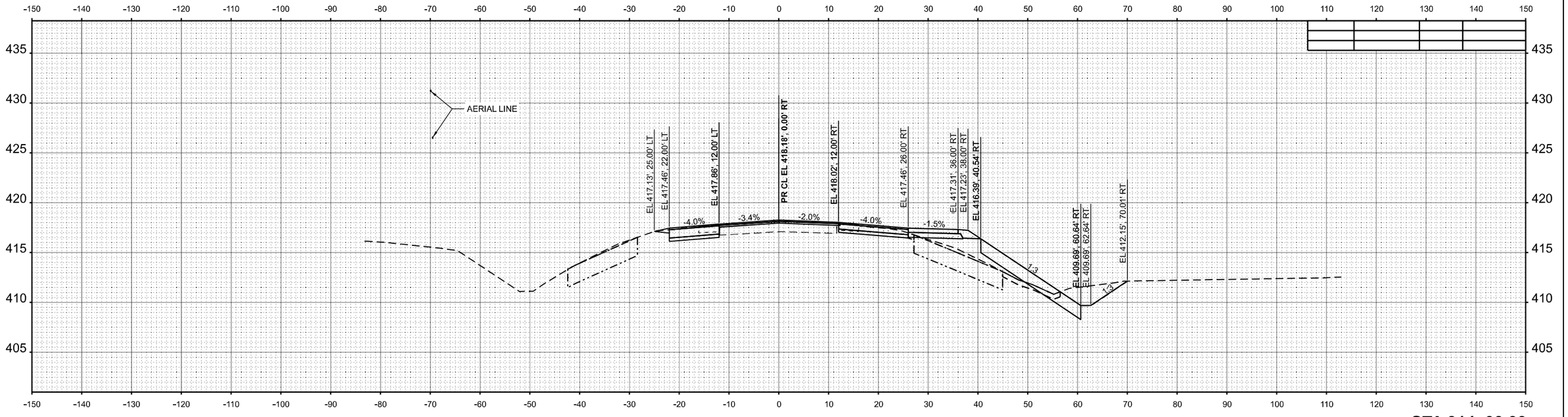
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PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

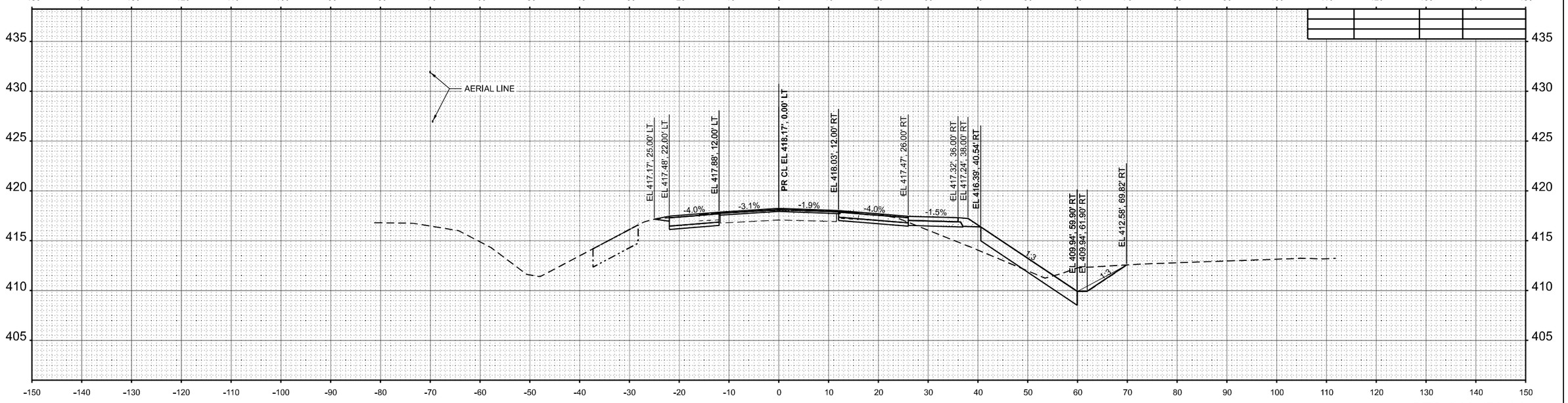
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 8 OF 143 SHEETS | STA. A 312+50.00 | TO STA. A 313+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	246
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



STA 314+00.00



STA 313+50.00

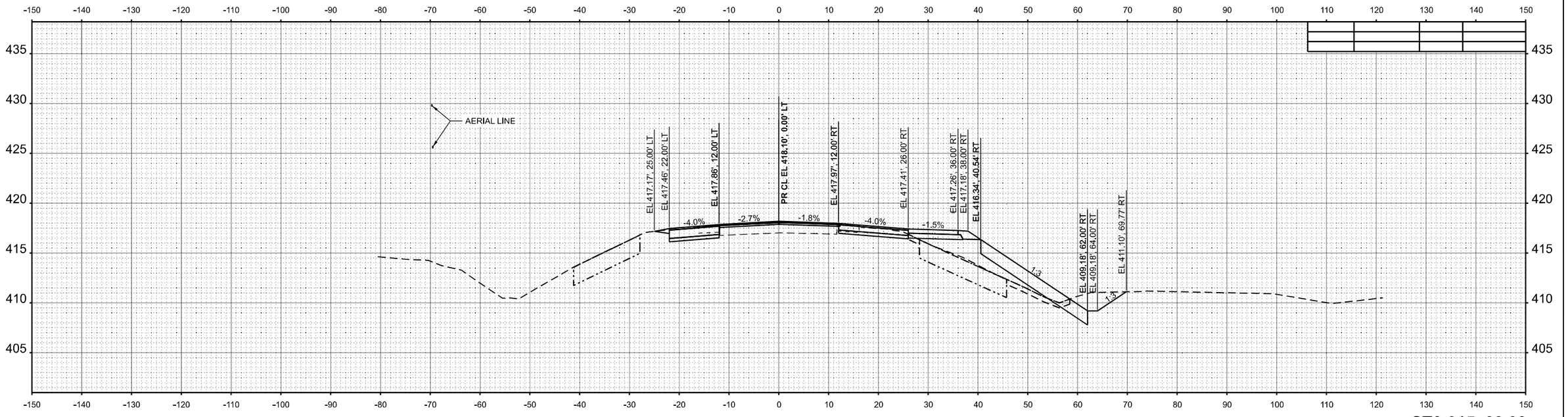
QUIGG ENGINEERING INC	USER NAME = TOverton	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS IL 154 & MULTI-USE PATH**
		DRAWN - RG	REVISED -		
	PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -		
	PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -		SCALE: 1"=10' SHEET 9 OF 143 SHEETS STA. A 313+50.00 TO STA. A 314+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	247
		CONTRACT NO. 78786		
	ILLINOIS FED. AID PROJECT			

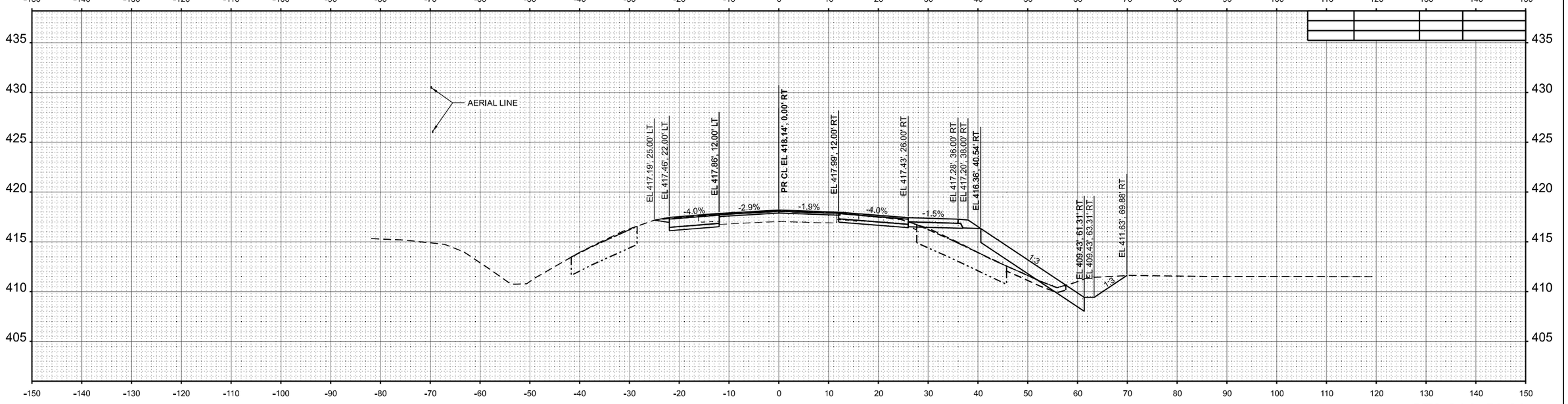
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: IL154 - A 313+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn



STA 315+00.00



STA 314+50.00

FINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

BY	DATE

MODEL: IL154 - A 314+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

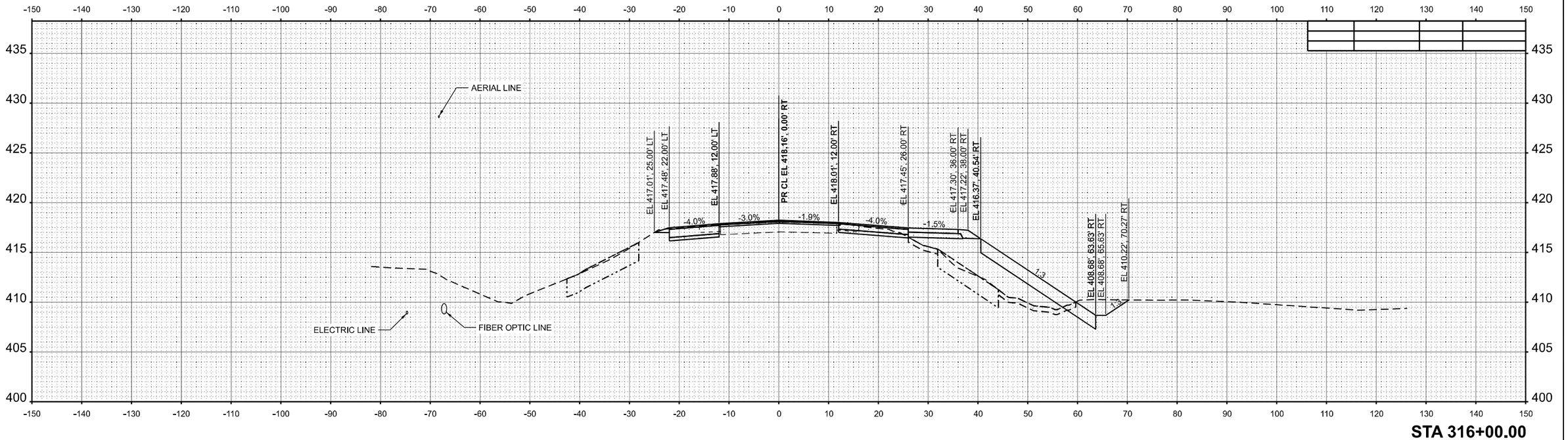
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

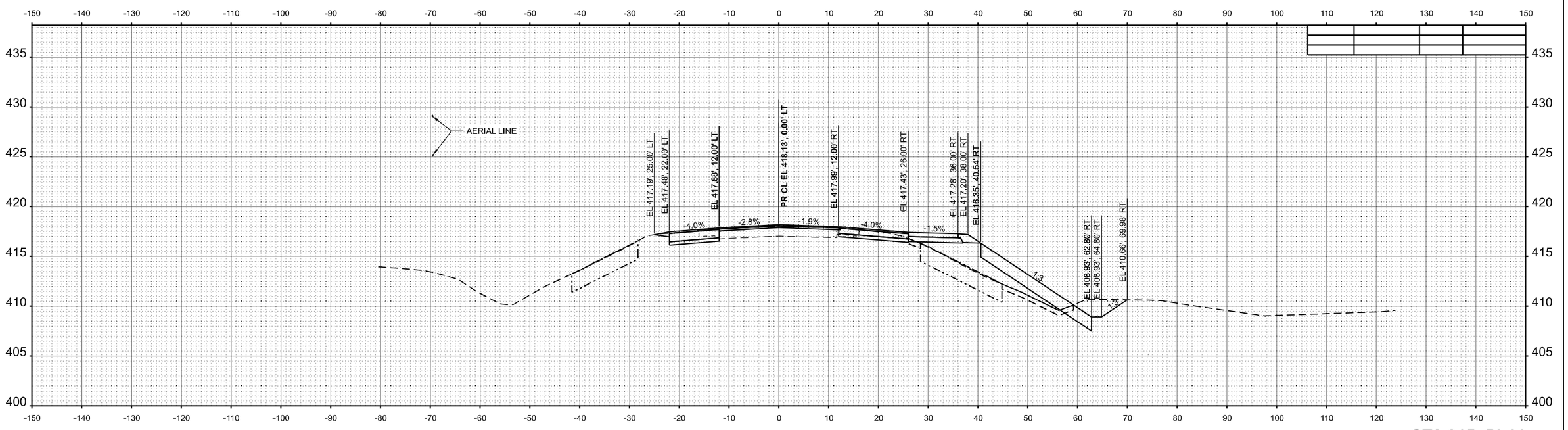
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 10 OF 143 SHEETS | STA. A 314+50.00 | TO STA. A 315+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	248
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



STA 316+00.00



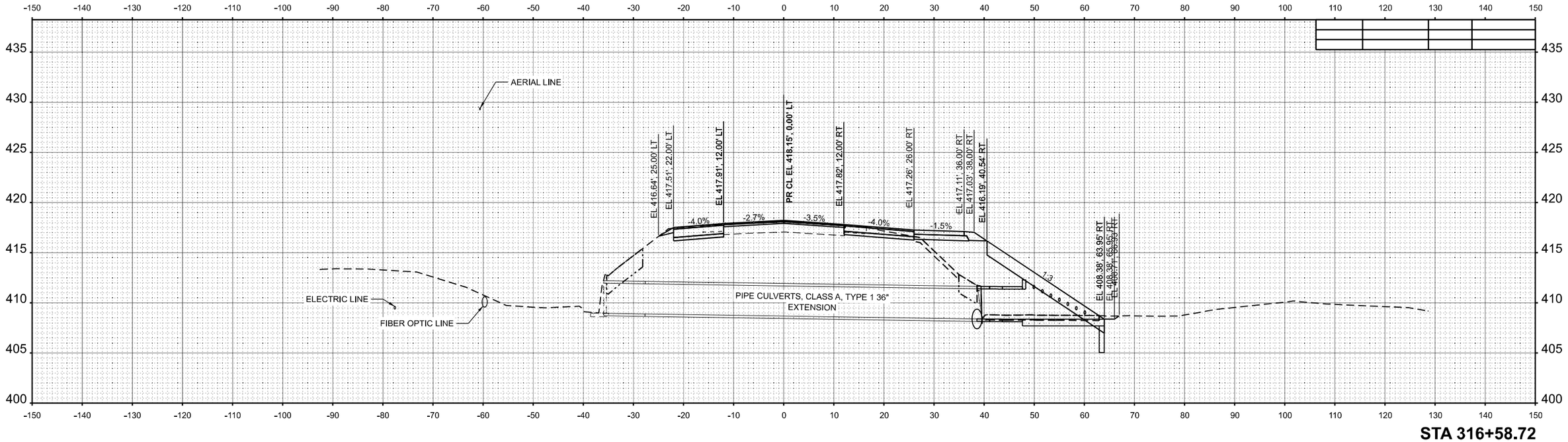
STA 315+50.00

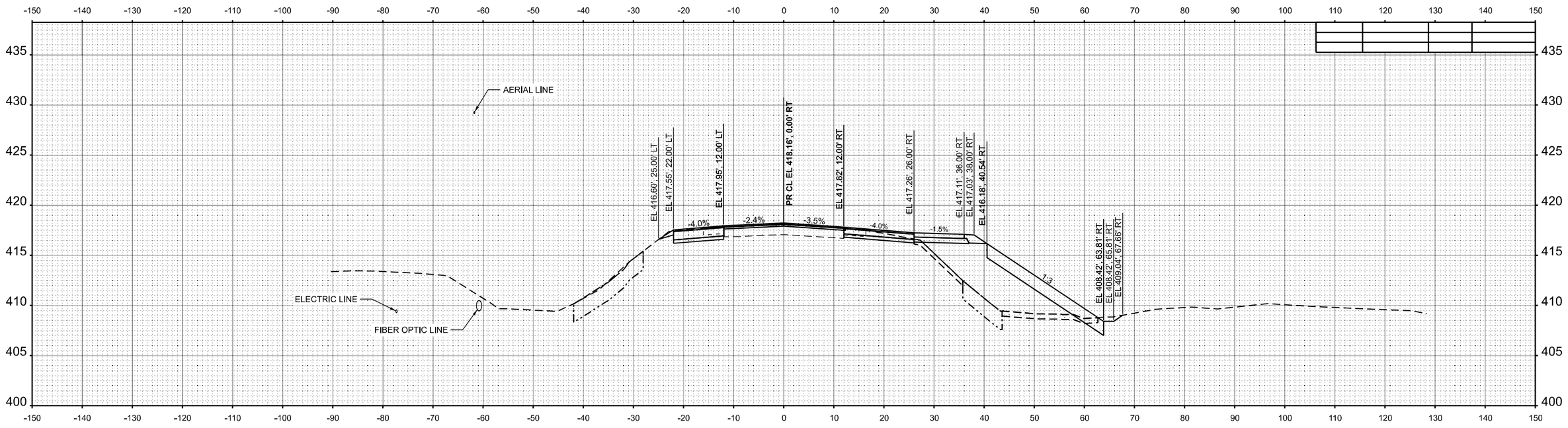
QUIGG ENGINEERING INC	USER NAME = TOverton	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS IL 154 & MULTI-USE PATH**
		DRAWN - RG	REVISED -		
	PLOT SCALE = 0.1666633 ' / In.	CHECKED - SMK	REVISED -		
	PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -		SCALE: 1"=10' SHEET 11 OF 143 SHEETS STA. A 315+50.00 TO STA. A 316+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	249
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

ORIGINAL SURVEY / FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

MODEL: IL 154 - A 315+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D9787786-snt-xs_IL 154.dgn





QUIGG ENGINEERING INC	USER NAME = TOverton	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 0.1666633 ' / In.	CHECKED - SMK	REVISED -
	PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

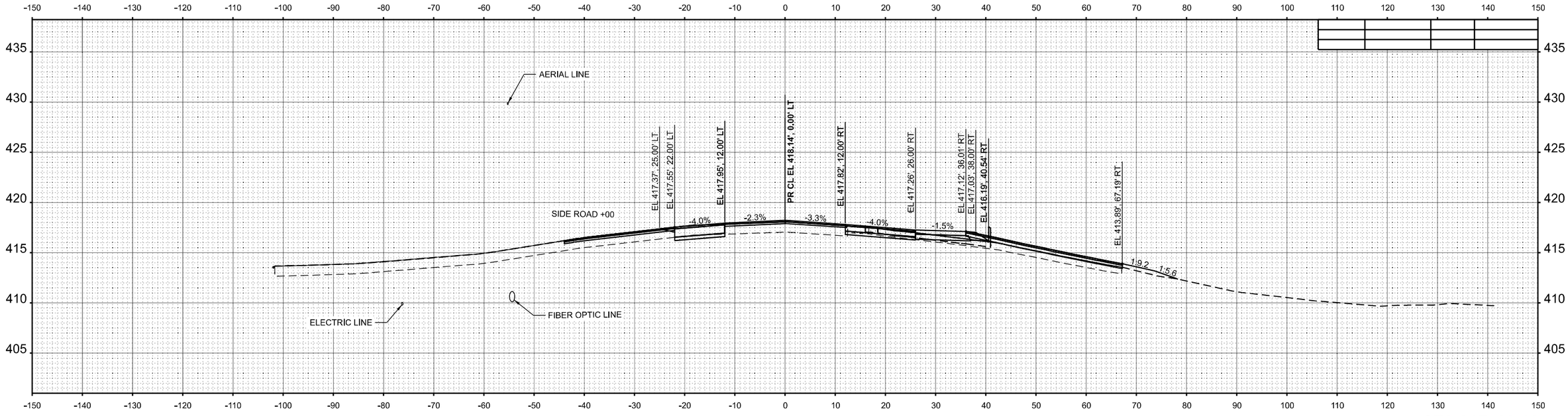
CROSS SECTIONS
IL 154 & MULTI-USE PATH

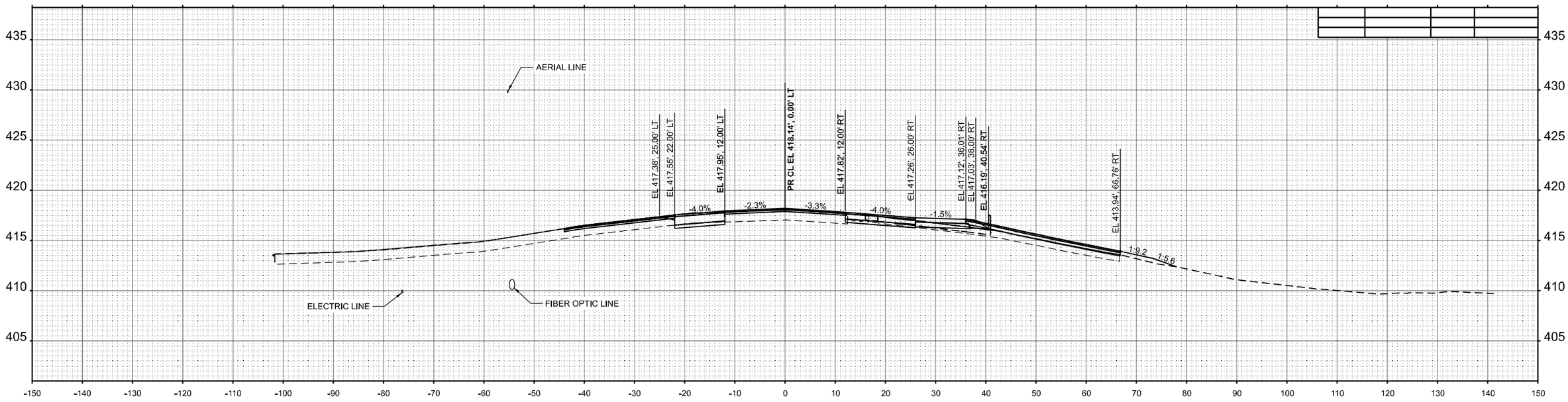
SCALE: 1"=10' | SHEET 12 OF 143 SHEETS | STA. A 316+50.00 | TO STA. A 316+58.72

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	250
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY / ORIGINAL SURVEY
NO. | NOTE BOOK | BY | DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

MODEL: IL 154 - A 316+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D9787786-snt->XS_IL 154.dgn





FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

MODEL: IL154 - A 317+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

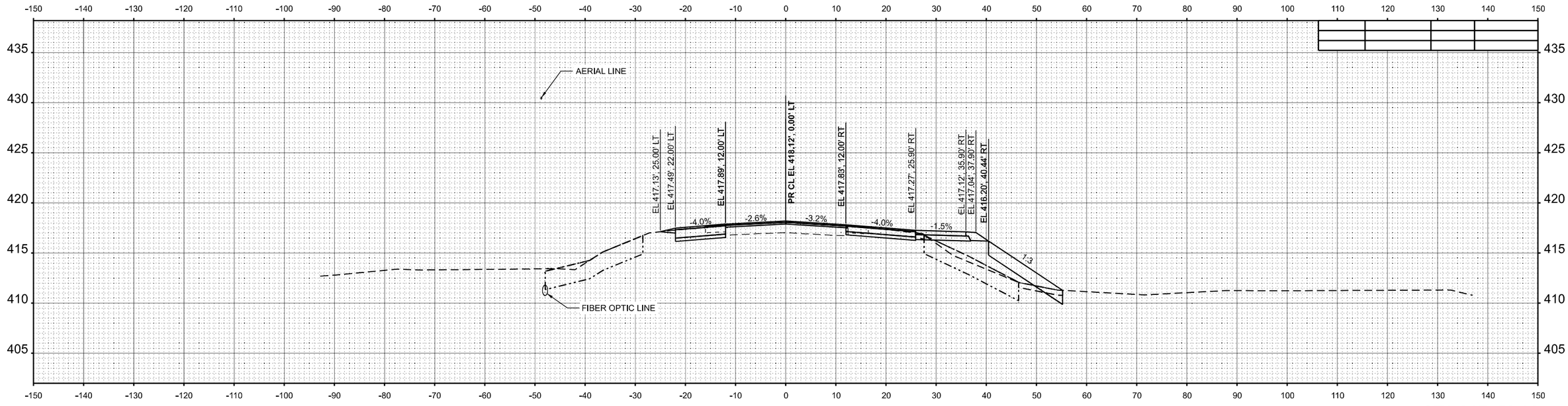
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		DRAWN - RG		REVISED -	
PLOT SCALE = 0.16666633 ' / In.		CHECKED - SMK		REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

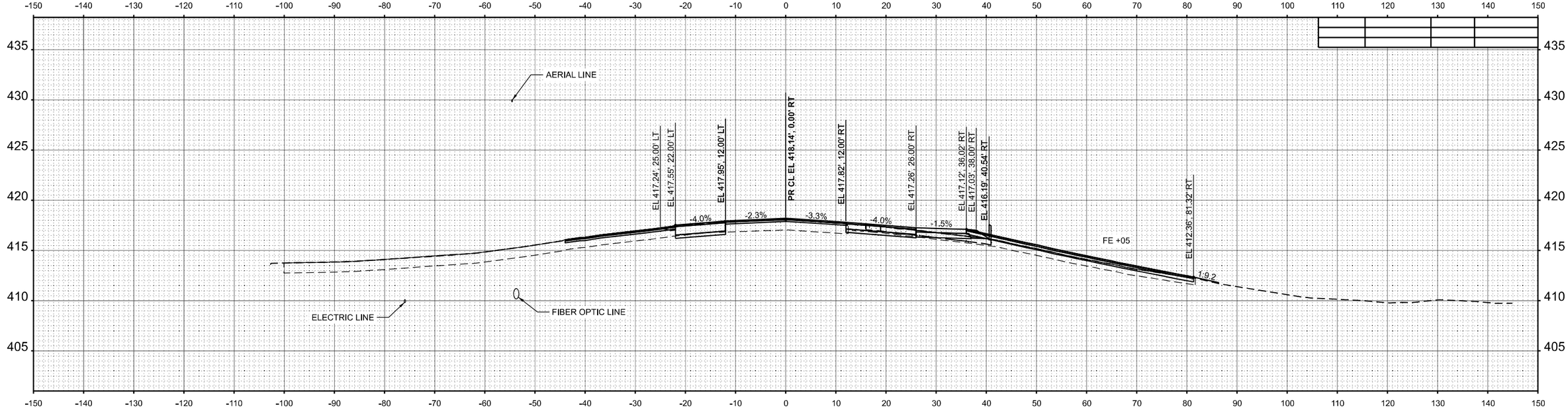
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 13 OF 143 SHEETS | STA. A 317+00.00 | TO STA. A 317+00.12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	251
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



STA 317+50.00



STA 317+05.18

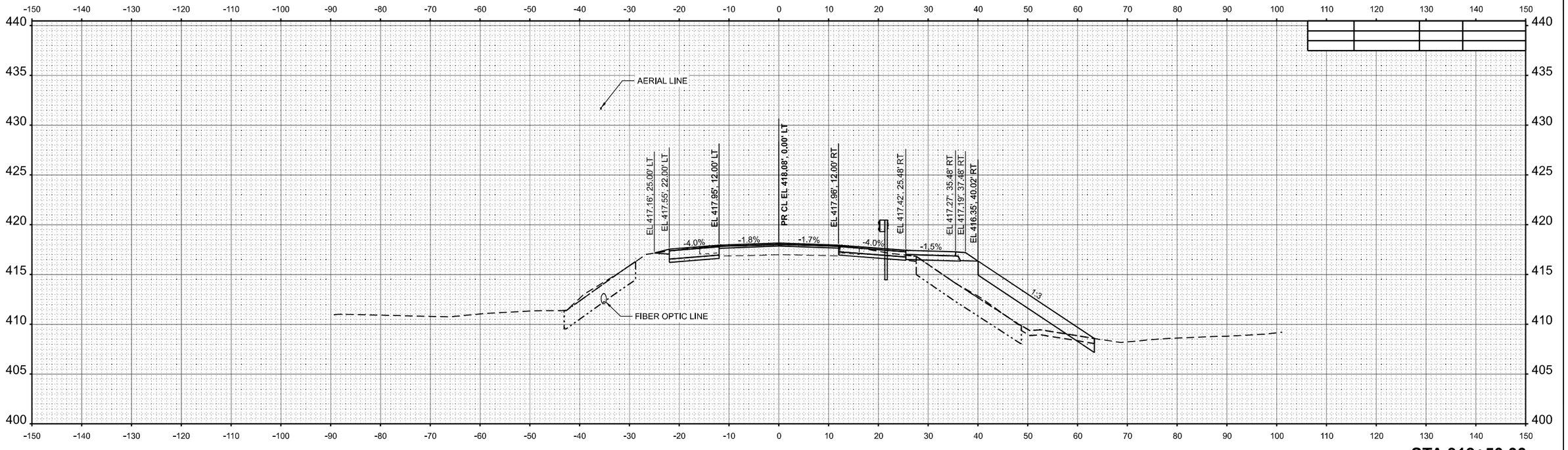
QUIGG ENGINEERING INC	USER NAME = TOverton	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS IL 154 & MULTI-USE PATH**
		DRAWN - RG	REVISED -		
	PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -		SCALE: 1"=10' | SHEET 14 OF 143 SHEETS | STA. A 317+05.18 | TO STA. A 317+50.00
	PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	252
		CONTRACT NO. 78786		
	ILLINOIS | FED. AID PROJECT			

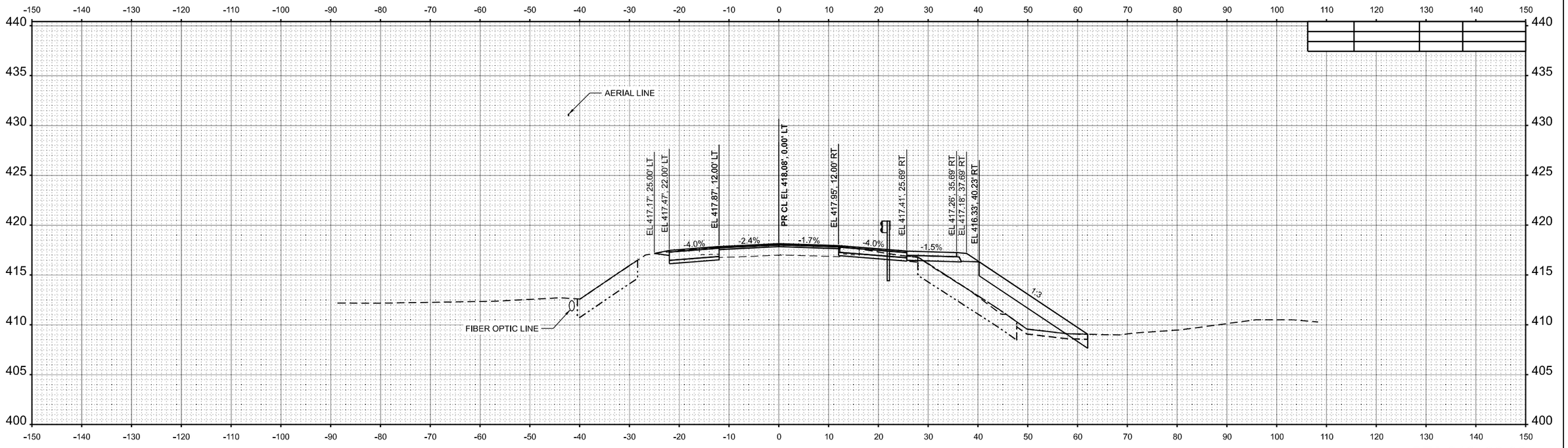
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: IL154 - A 317+05.18 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn



STA 318+50.00



STA 318+00.00

FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: IL154 - A 318+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL154 Rend Lake Roxy PH II\CADD\CADD Sheets\D97876-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

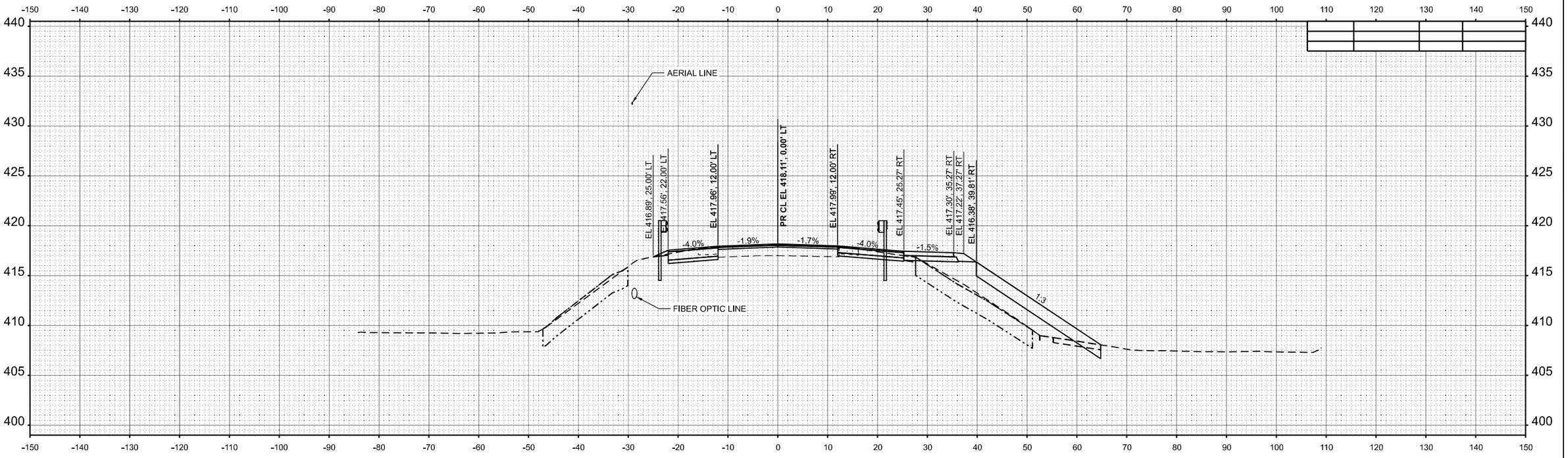
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 15 OF 143 SHEETS | STA. A 318+00.00 | TO STA. A 318+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	253
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		



STA 319+00.00

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

MODEL: IL154 - A 319+00.00 [Sheet]
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QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
PLOT SCALE = 0.16666633 ' / in.		CHECKED - SMK		REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

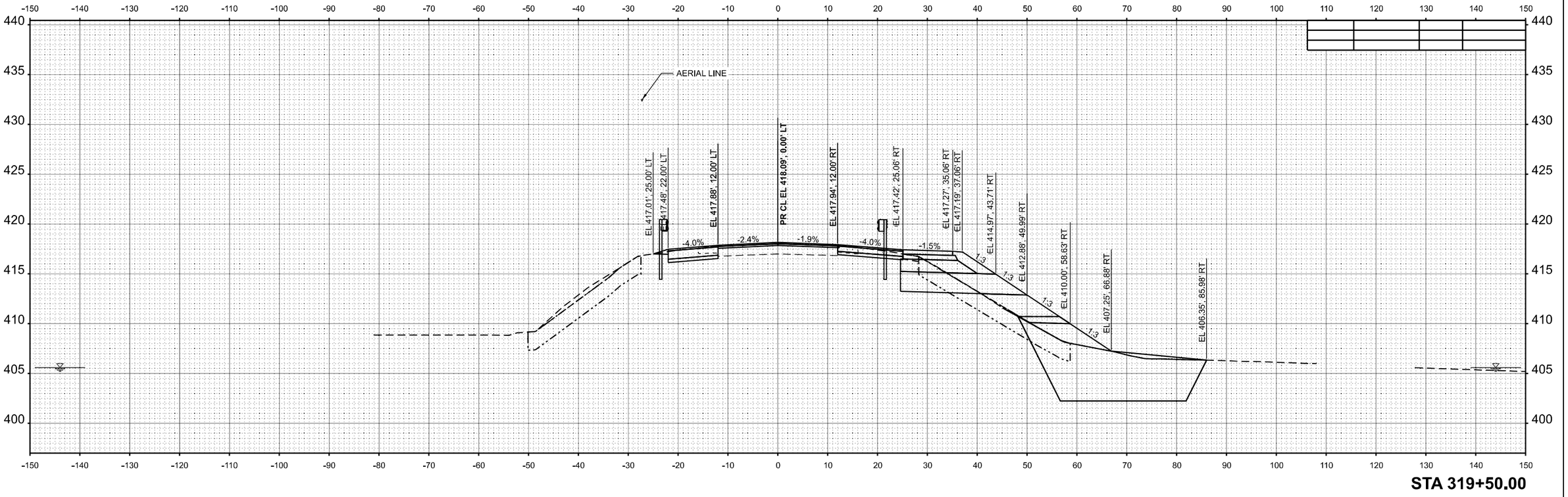
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 16 OF 143 SHEETS | STA. A 319+00.00 | TO STA. A 319+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	254
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		



MODEL: IL154 - A 319+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - OEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-eht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
PLOT SCALE = 0.16666633 ' / in.		CHECKED - SMK		REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

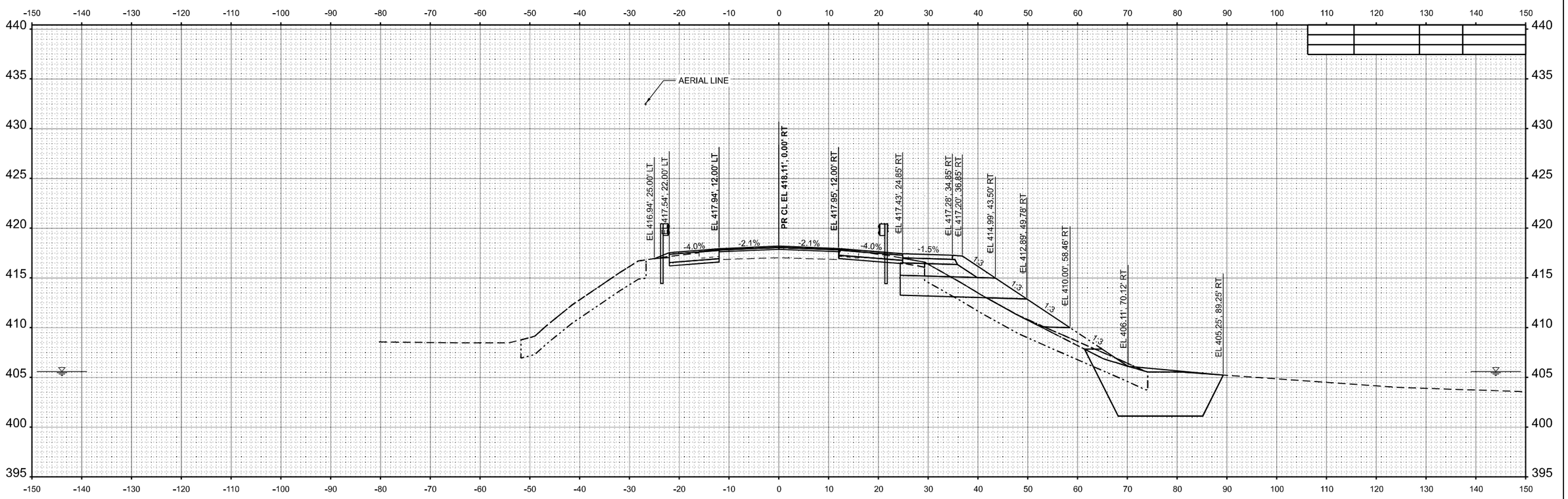
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 17 OF 143 SHEETS | STA. A 319+50.00 | TO STA. A 319+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	255
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 320+00.00

MODEL: IL154 - A 320+00.00 [Sheet]
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QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG	REVISED -	
		DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.		CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025	REVISED -	

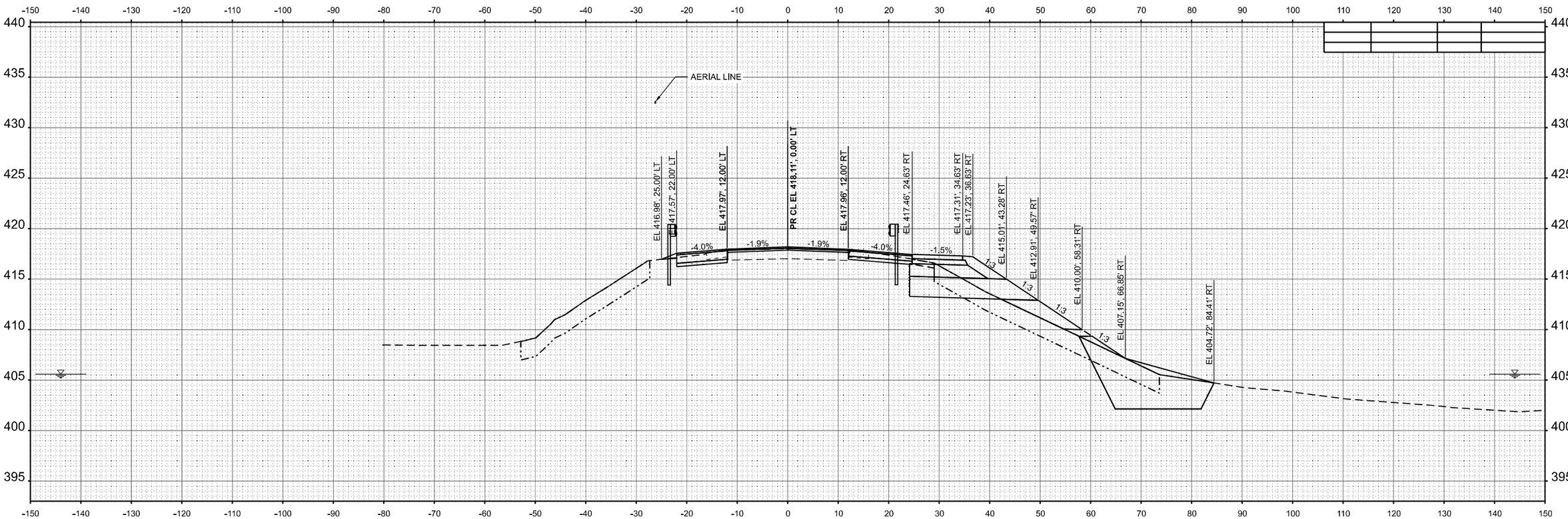
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 18 OF 143 SHEETS | STA. A 320+00.00 | TO STA. A 320+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	256
		CONTRACT NO. 78786		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		



STA 320+50.00

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

MODEL: IL154 - A 320+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -		
	DRAWN - RG	REVISED -		
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -		

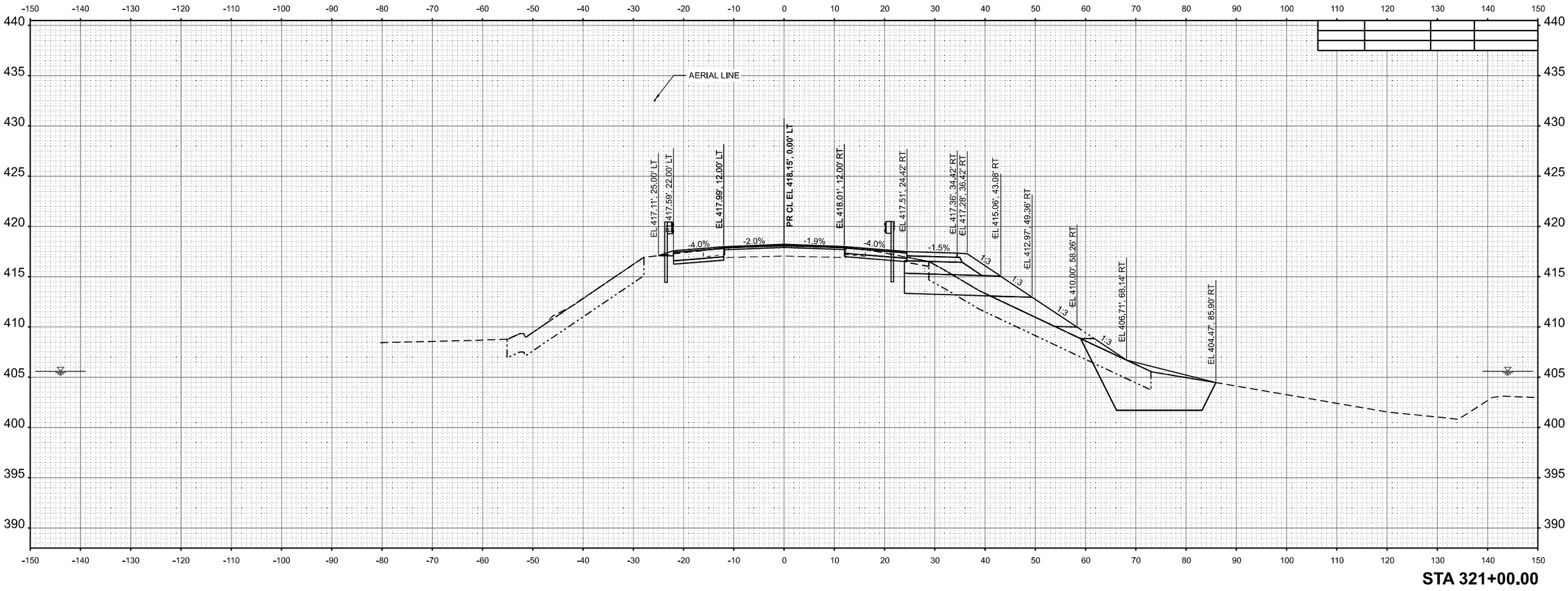
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 19 OF 143 SHEETS | STA. A 320+50.00 | TO STA. A 320+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	257
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL154 - A 321+00.00 [Sheet]
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QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

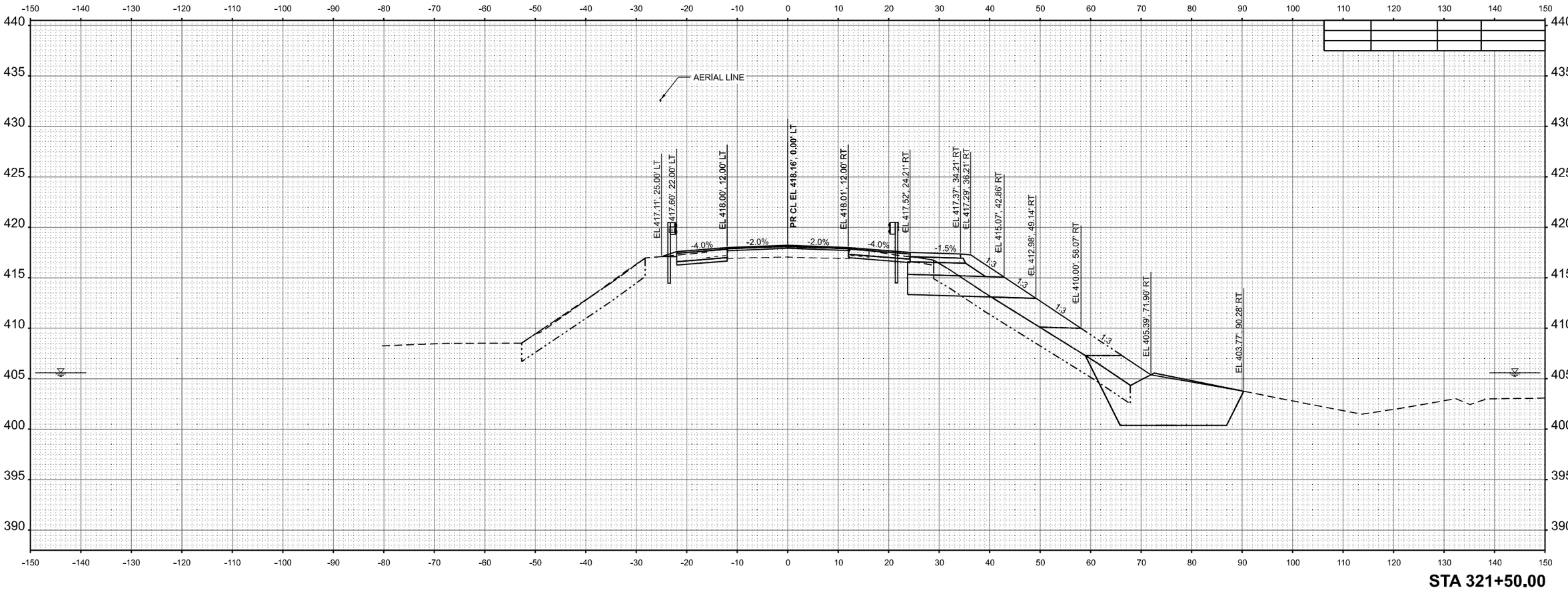
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 20 OF 143 SHEETS | STA. A 321+00.00 | TO STA. A 321+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	258
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



STA 321+50.00

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL154 - A 321+50.00 [Sheet]
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QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

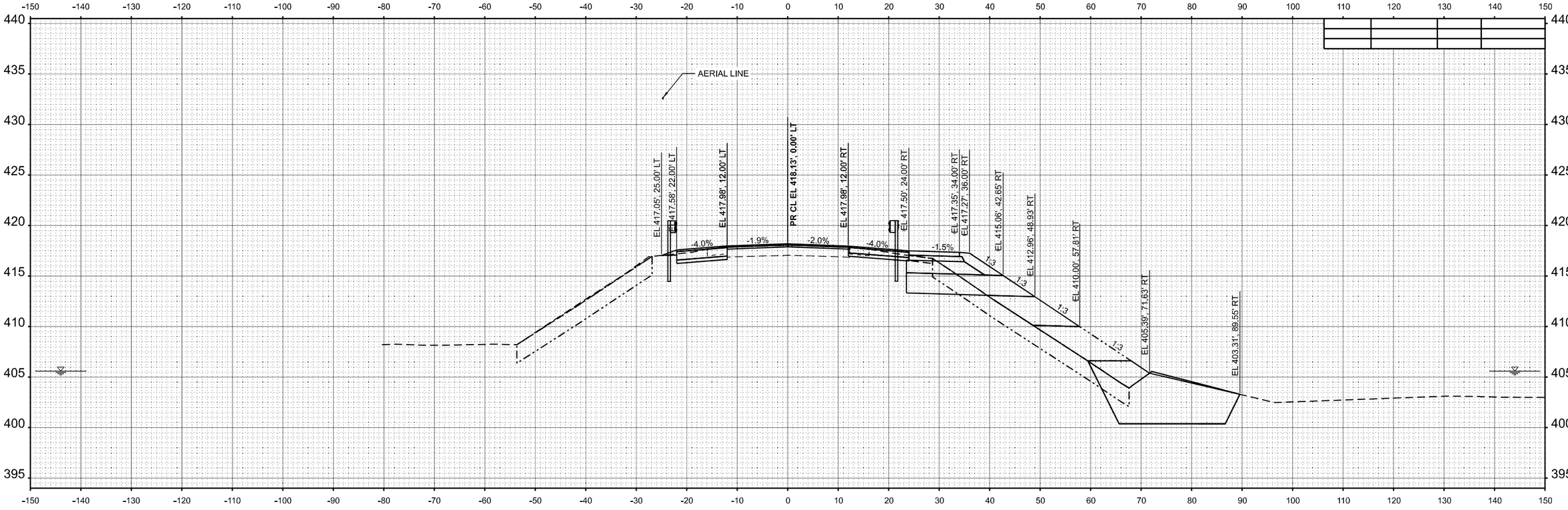
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 21 OF 143 SHEETS | STA. A 321+50.00 | TO STA. A 321+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	259
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
PLOT SCALE = 0.16666633 ' / in.		CHECKED - SMK		REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

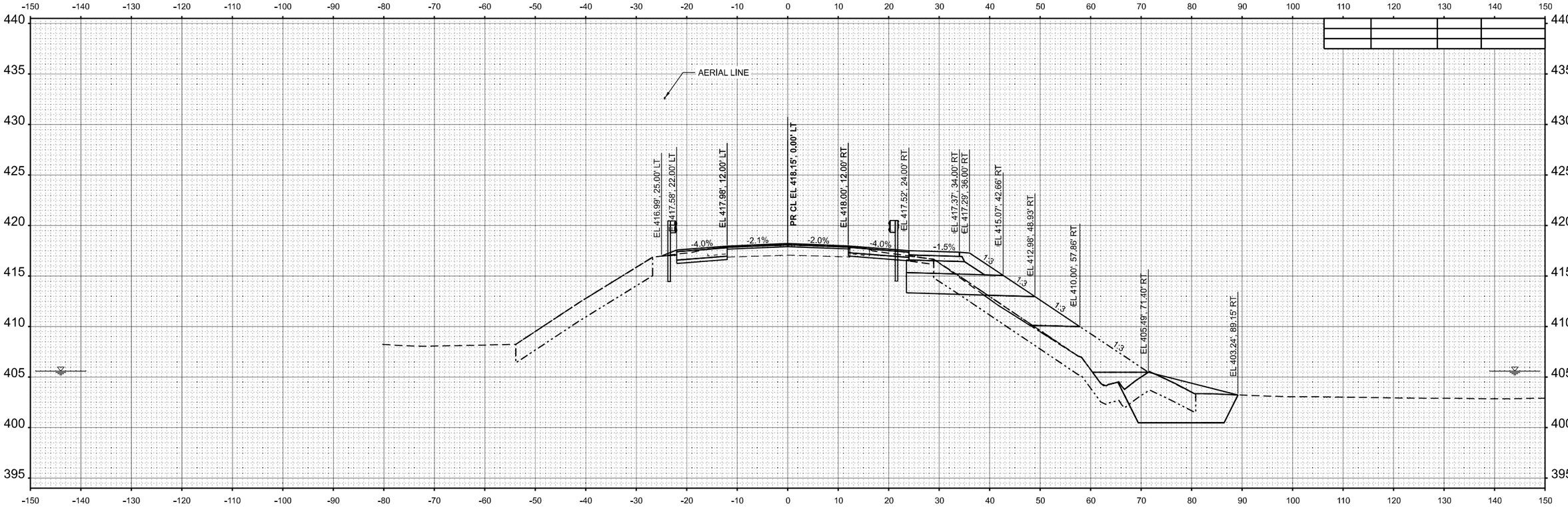
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 22 OF 143 SHEETS | STA. B 322+02.44 | TO STA. B 322+02.44

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	260
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 322+50.00

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 322+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - OEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-eht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -		
	DRAWN - RG	REVISED -		
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -		

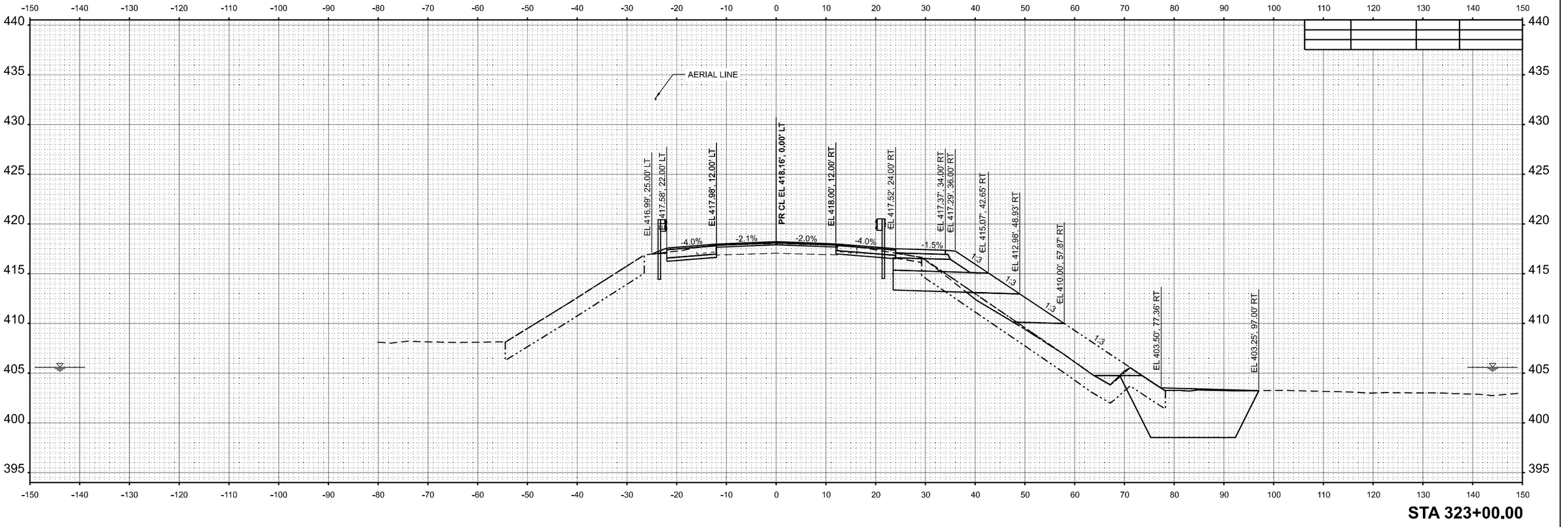
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 23 OF 143 SHEETS | STA. B 322+50.00 | TO STA. B 322+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	261
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



STA 323+00.00

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL154 - B 323+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - OEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-eht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

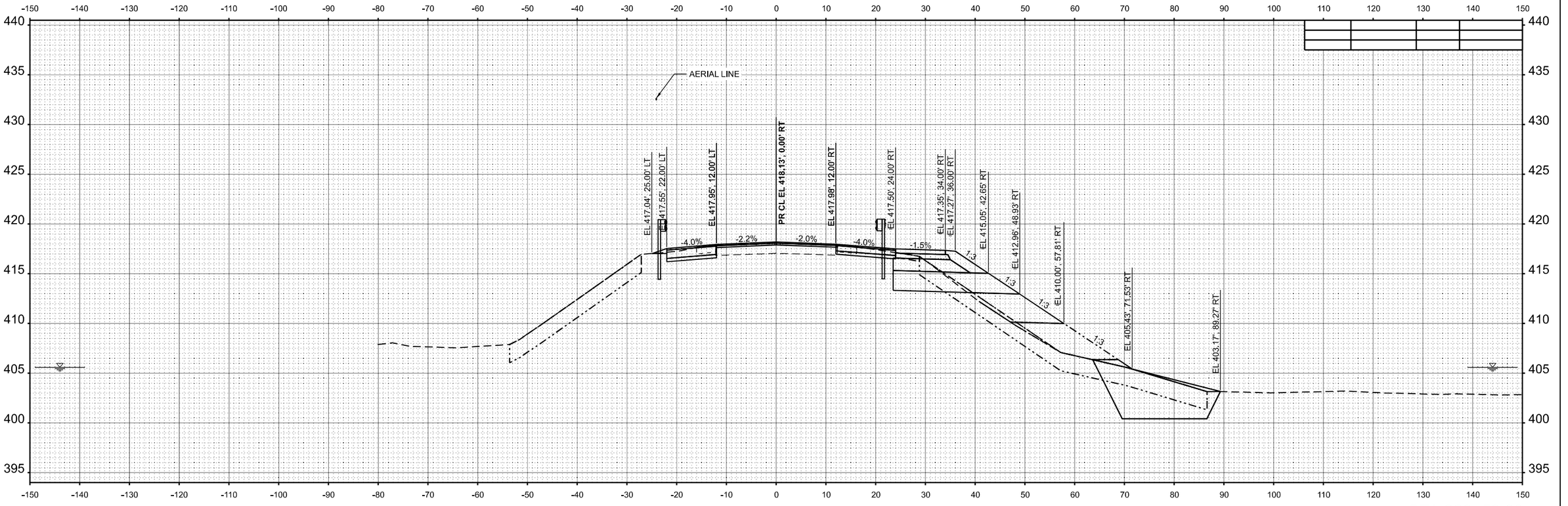
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 24 OF 143 SHEETS | STA. B 323+00.00 | TO STA. B 323+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	262
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



STA 323+50.00

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL154 - B 323+50.00 [Sheet]
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QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

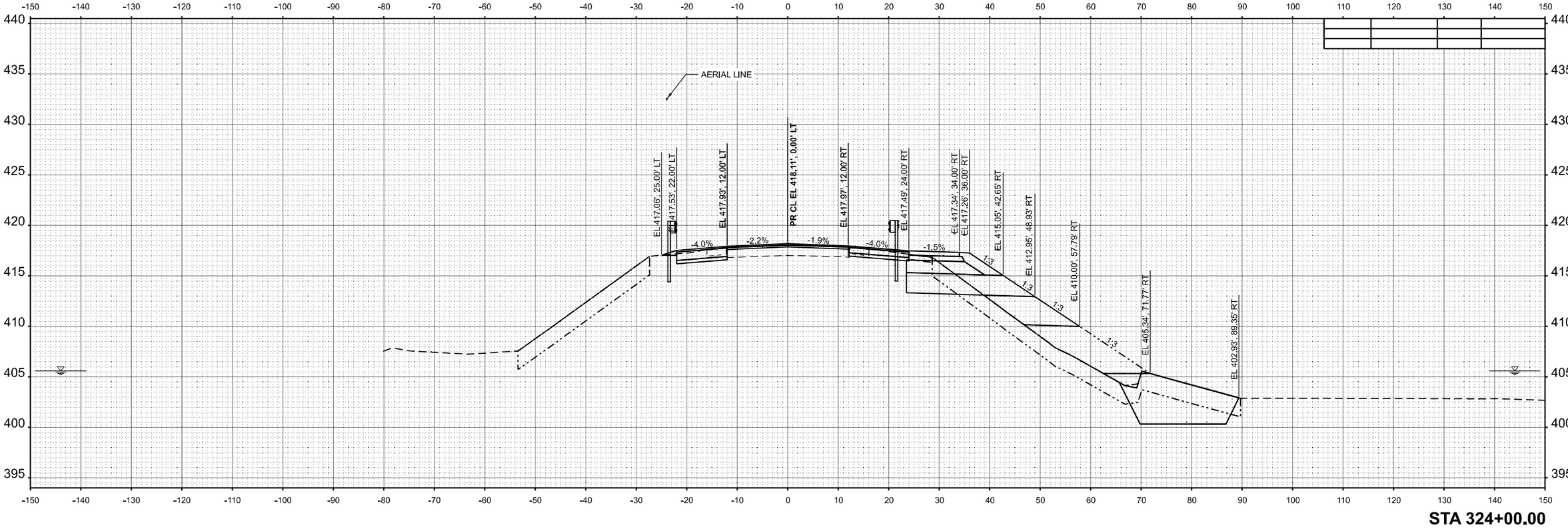
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 25 OF 143 SHEETS | STA. B 323+50.00 | TO STA. B 323+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	263
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.____	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 324+00.00

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.____	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 324+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - OEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-eht-xS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

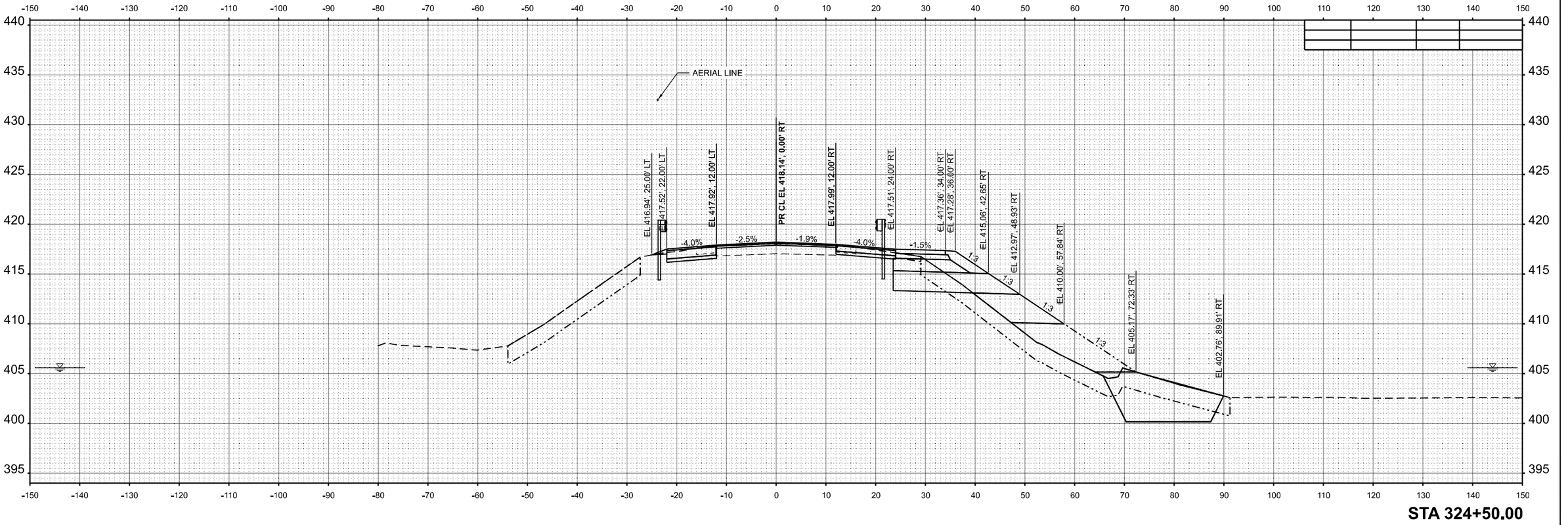
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 26 OF 143 SHEETS | STA. B 324+00.00 | TO STA. B 324+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	264
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



STA 324+50.00

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL154 - B 324+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-eht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

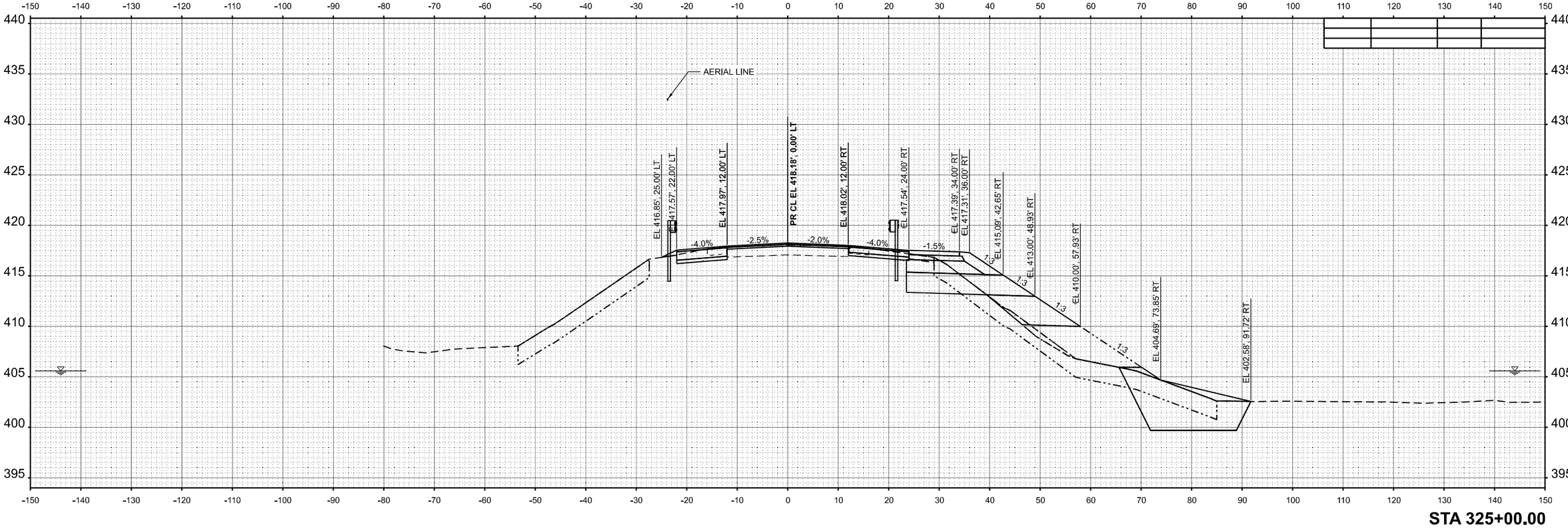
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 27 OF 143 SHEETS | STA. B 324+50.00 | TO STA. B 324+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	265
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



STA 325+00.00

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL154 - B 325+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - OEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-eht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

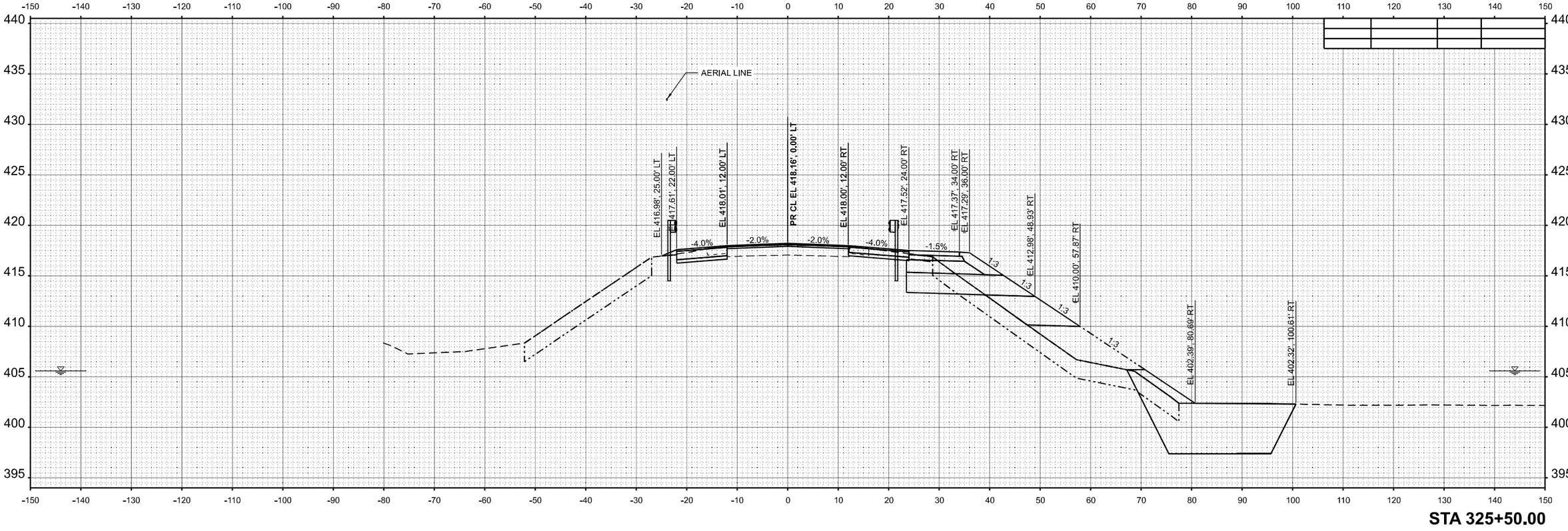
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 28 OF 143 SHEETS | STA. B 325+00.00 | TO STA. B 325+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	266
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 325+50.00

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 325+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - OEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-eht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

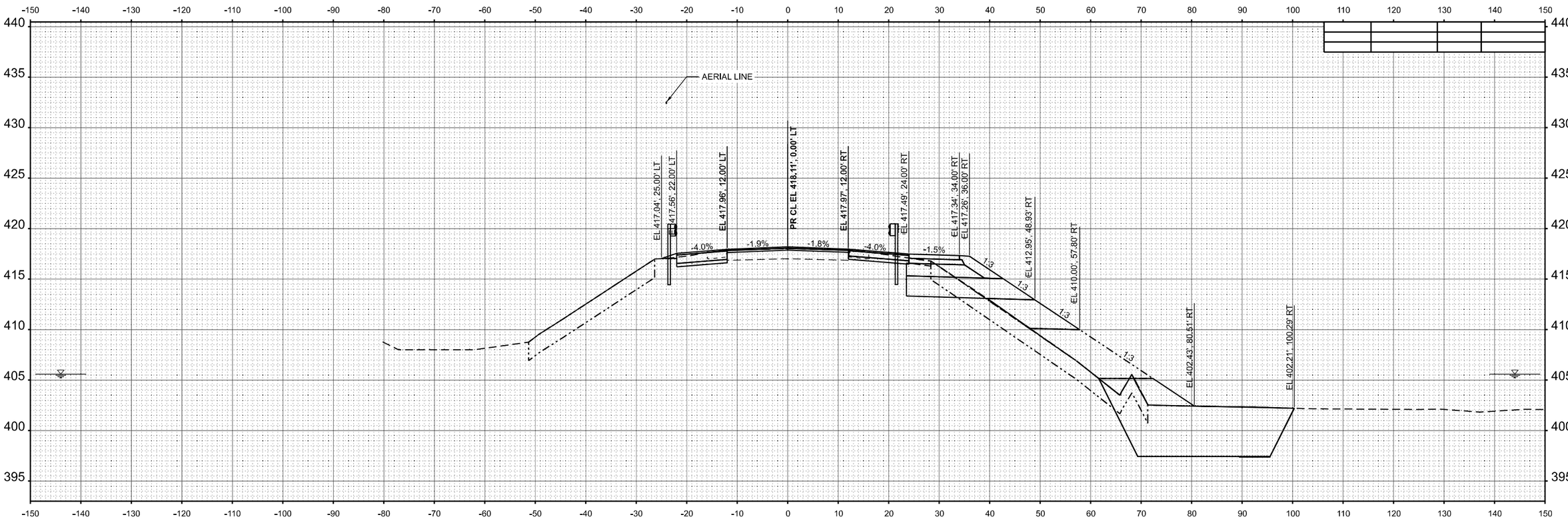
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 29 OF 143 SHEETS | STA. B 325+50.00 | TO STA. B 325+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	267
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO.	SURVEYED		
NOTE BOOK	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NO.	SURVEYED		
NOTE BOOK	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

MODEL: IL154 - B 326+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME	= TOverton	DESIGNED	- RG	REVISED	-
		DRAWN	- RG	REVISED	-
PLOT SCALE	= 0.16666633 ' / in.	CHECKED	- SMK	REVISED	-
PLOT DATE	= 5/5/2025	DATE	- 05/07/2025	REVISED	-

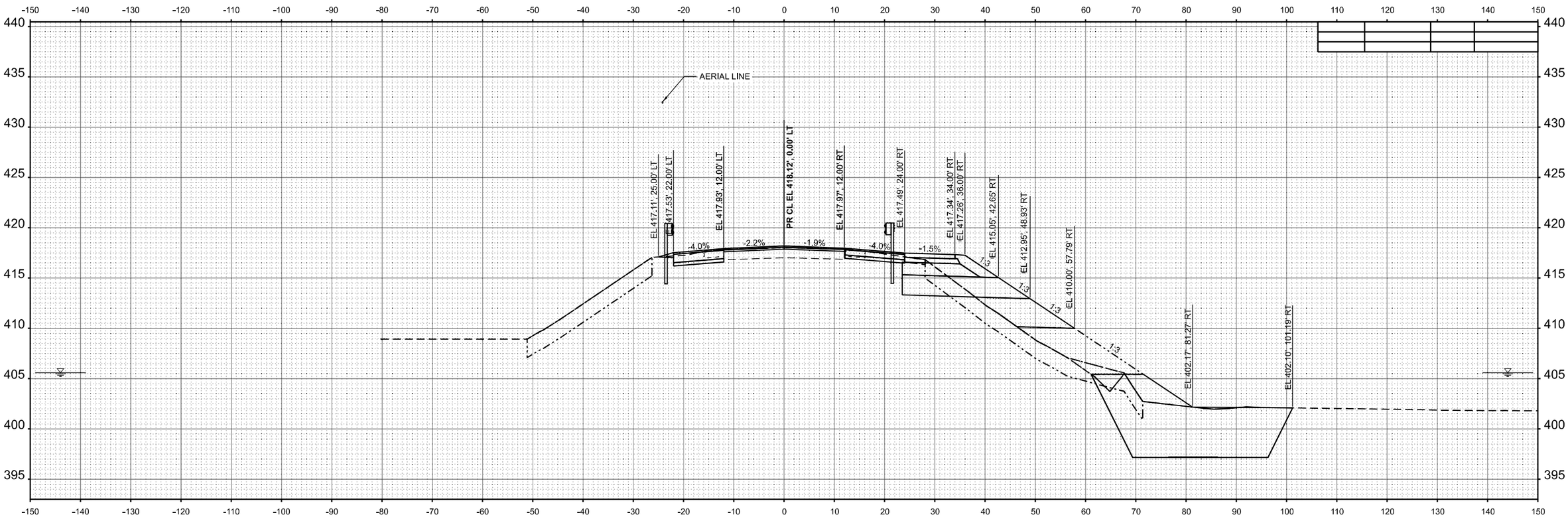
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 30 OF 143 SHEETS | STA. B 326+00.00 | TO STA. B 326+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	268
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

MODEL: IL154 - B 326+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

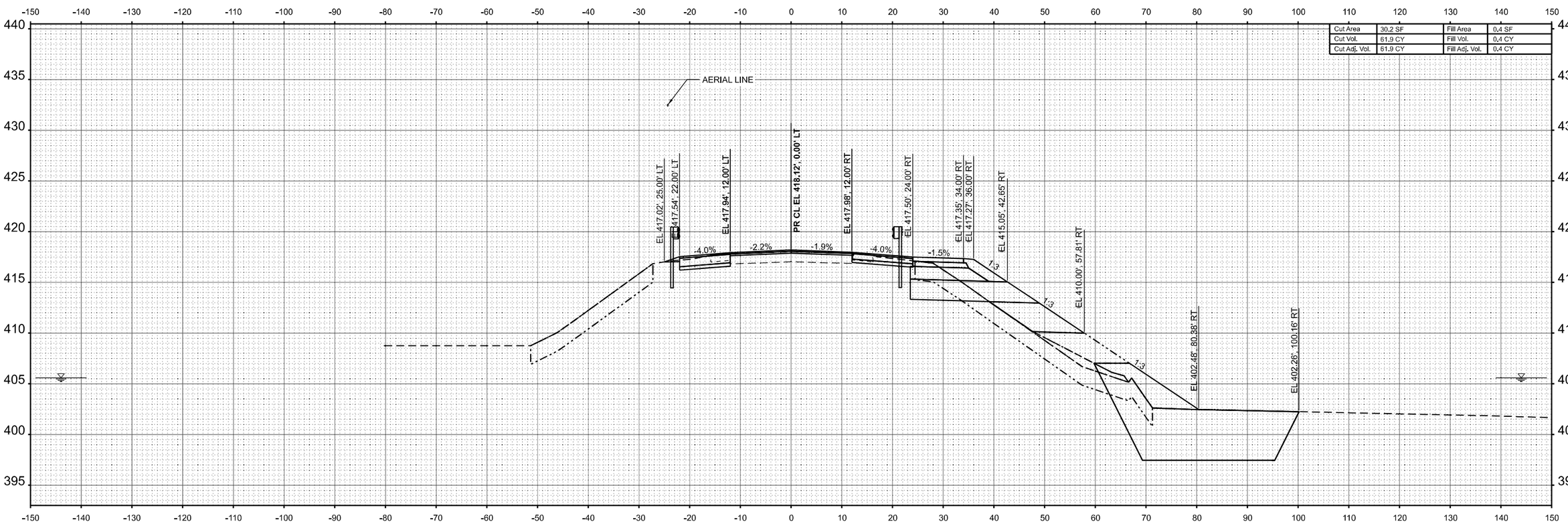
SCALE: 1"=10' | SHEET 31 OF 143 SHEETS | STA. B 326+50.00 | TO STA. B 326+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	269
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

Cut Area	30.2 SF	Fill Area	0.4 SF
Cut Vol.	61.9 CY	Fill Vol.	0.4 CY
Cut Adj. Vol.	61.9 CY	Fill Adj. Vol.	0.4 CY



STA 327+00.00

MODEL: IL154 - B 327+00.00 |Sheet|
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME	= TOverton	DESIGNED	- RG	REVISED	-
		DRAWN	- RG	REVISED	-
PLOT SCALE	= 0.16666633 ' / in.	CHECKED	- SMK	REVISED	-
PLOT DATE	= 5/5/2025	DATE	- 05/07/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 32 OF 143 SHEETS | STA. B 327+00.00 | TO STA. B 327+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	270
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK

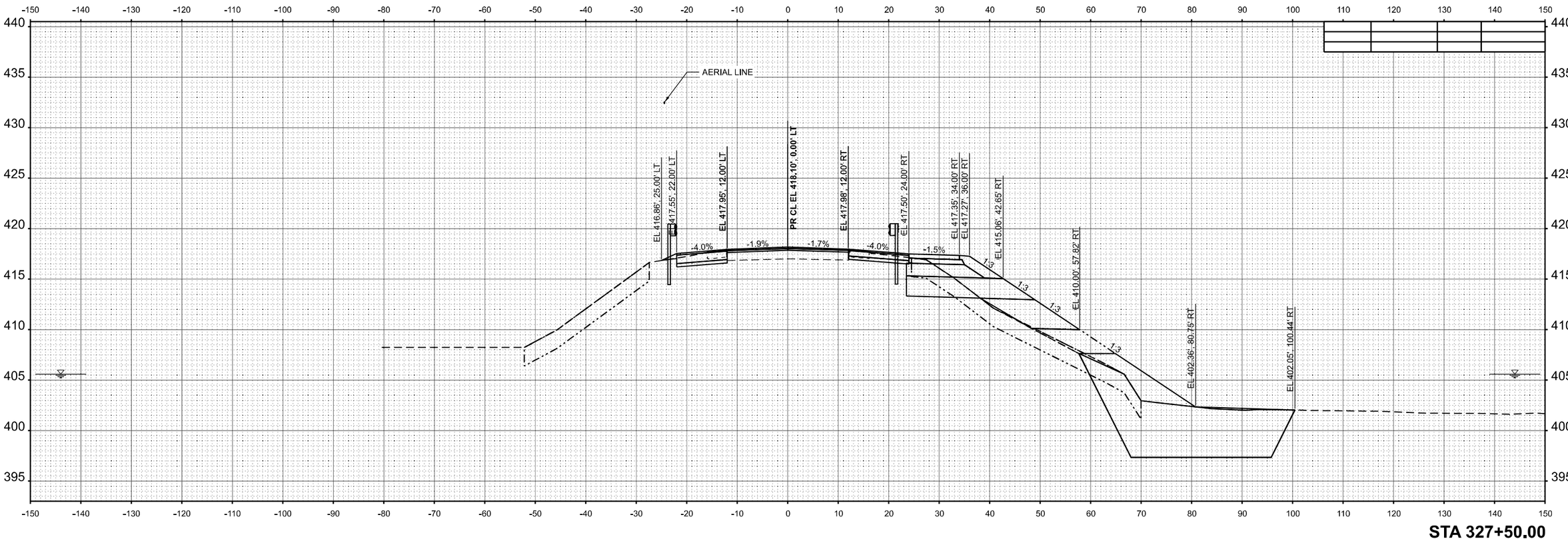
NO.

ORIGINAL SURVEY

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK

NO.



STA 327+50.00

MODEL: IL154 - B 327+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -			
	DRAWN - RG	REVISED -			
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -			
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -			

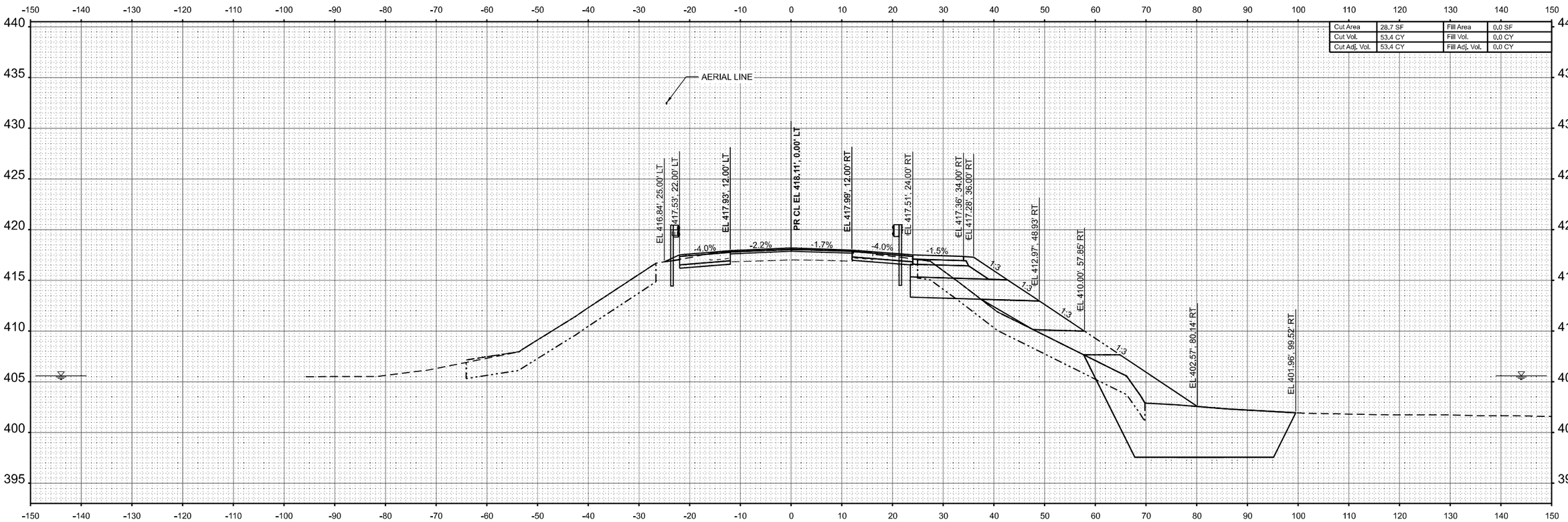
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 33 OF 143 SHEETS | STA. B 327+50.00 | TO STA. B 327+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	271
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

Cut Area	28.7 SF	Fill Area	0.0 SF
Cut Vol.	53.4 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	53.4 CY	Fill Adj. Vol.	0.0 CY



STA 328+00.00

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

MODEL: IL154 - B 328+00.00 |Sheet|
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

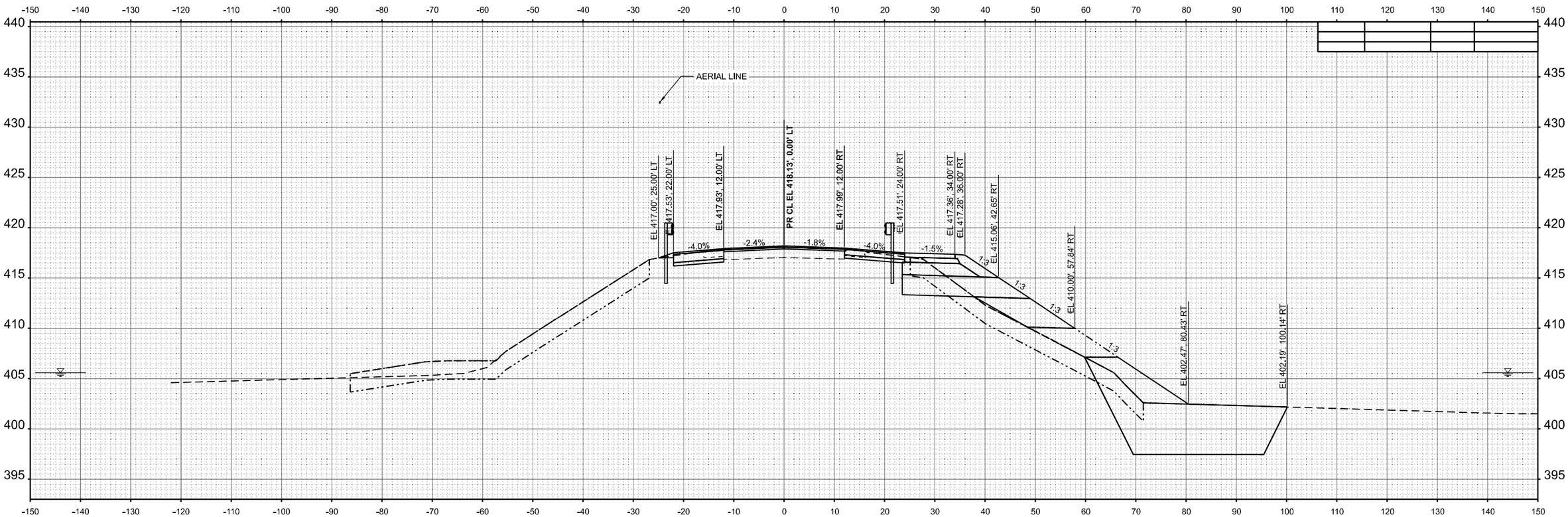
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 34 OF 143 SHEETS | STA. B 328+00.00 | TO STA. B 328+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	272
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

MODEL: IL154 - B 328+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME	= TOverton	DESIGNED	- RG	REVISED	-
		DRAWN	- RG	REVISED	-
PLOT SCALE	= 0.16666633 ' / in.	CHECKED	- SMK	REVISED	-
PLOT DATE	= 5/5/2025	DATE	- 05/07/2025	REVISED	-

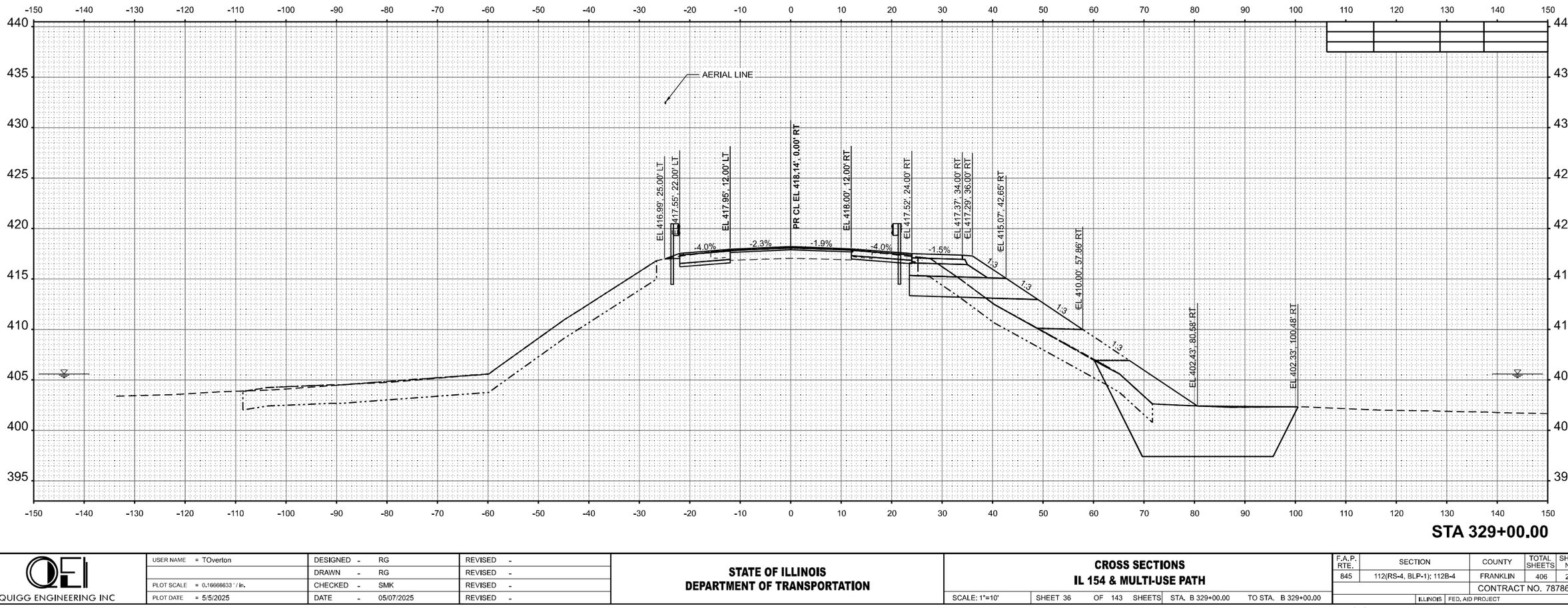
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 35 OF 143 SHEETS | STA. B 328+50.00 | TO STA. B 328+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	273
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 329+00.00 |Sheet|
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
PLOT SCALE = 0.16666633 ' / In.		CHECKED - SMK		REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

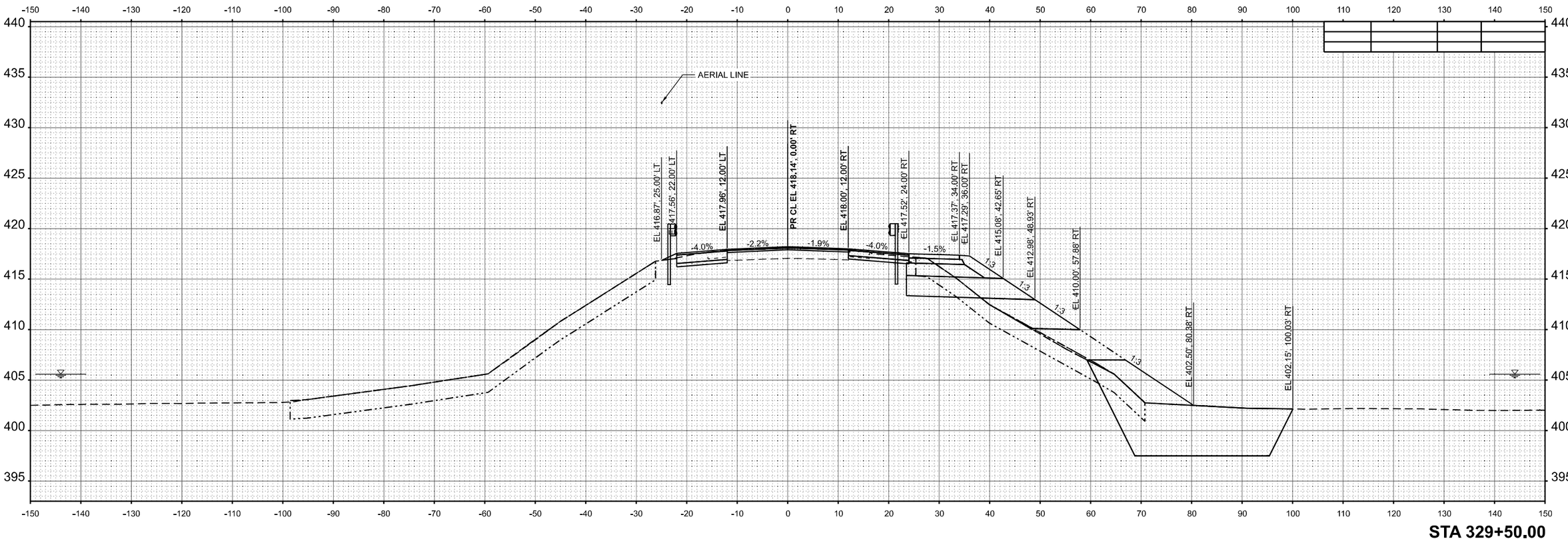
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 36 OF 143 SHEETS | STA. B 329+00.00 | TO STA. B 329+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	274
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 329+50.00

ORIGINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 329+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

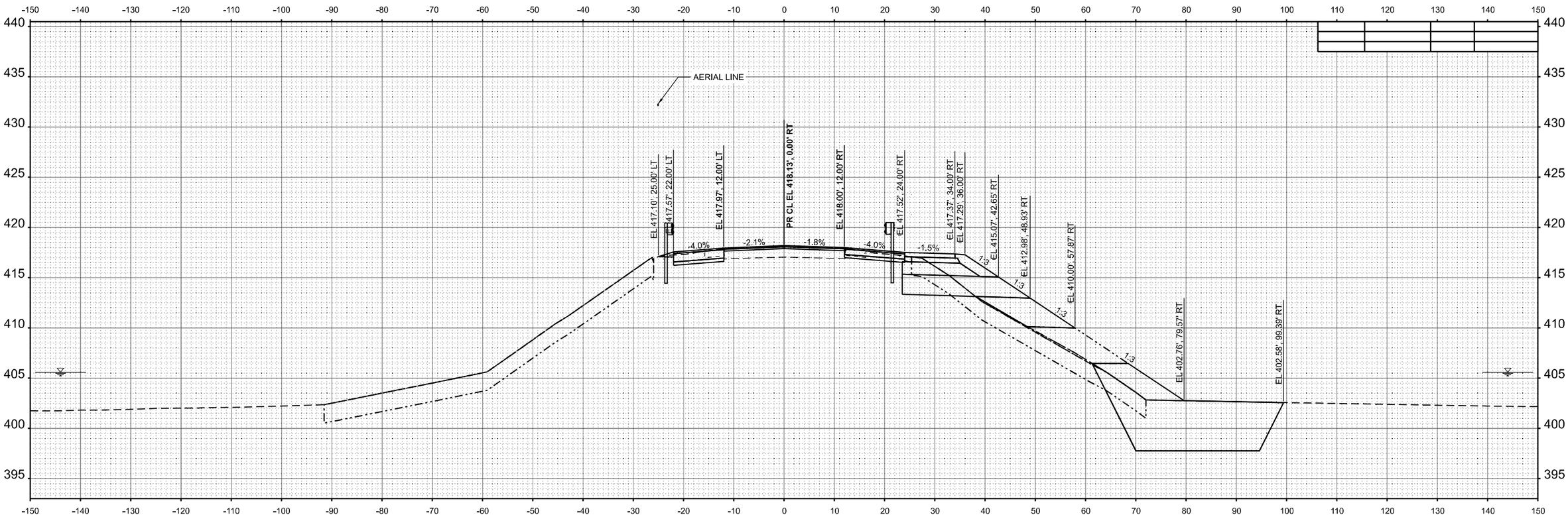
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 37 OF 143 SHEETS | STA. B 329+50.00 | TO STA. B 329+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	275
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		



STA 330+00.00

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

MODEL: IL154 - B 330+00.00 |Sheet|
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

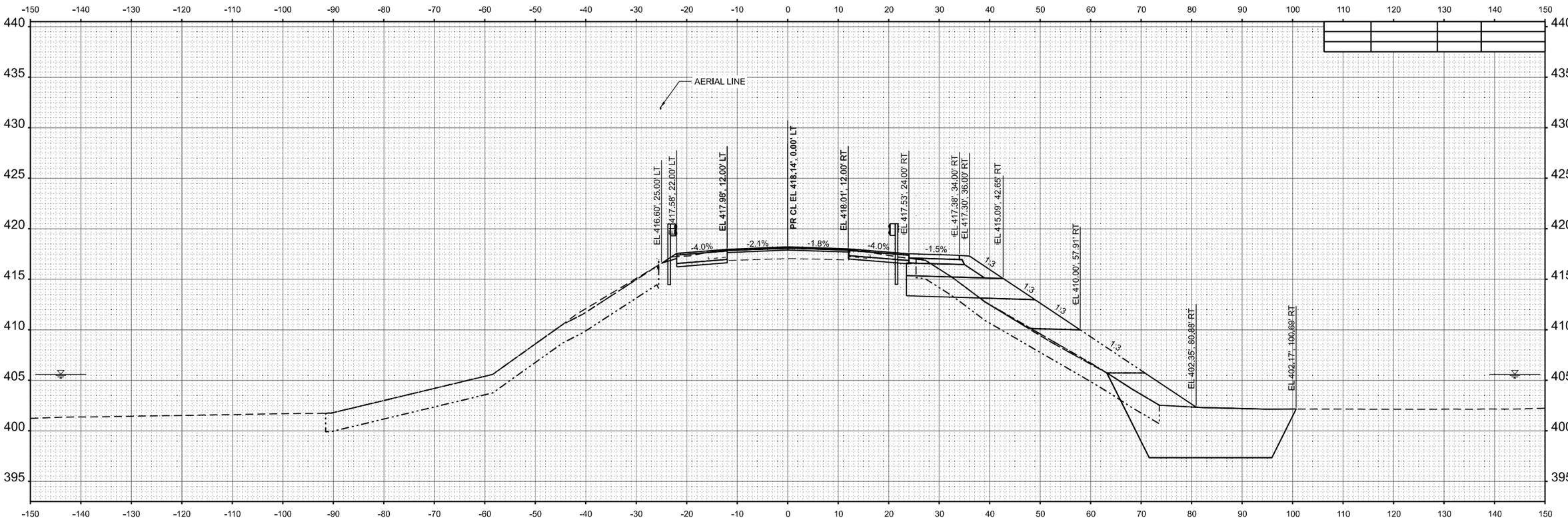
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 38 OF 143 SHEETS | STA. B 330+00.00 | TO STA. B 330+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	276
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

MODEL: IL154 - B 330+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

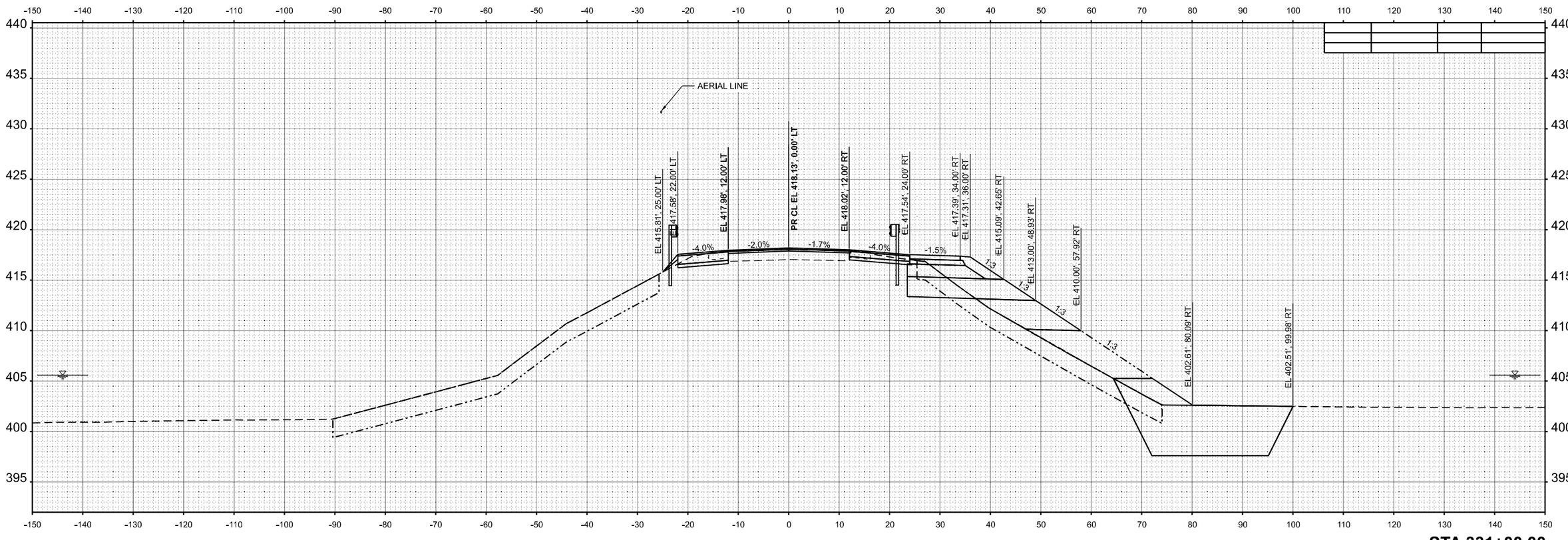
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 39 OF 143 SHEETS | STA. B 330+50.00 | TO STA. B 330+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	277
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL 154 - B 331+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D9786786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

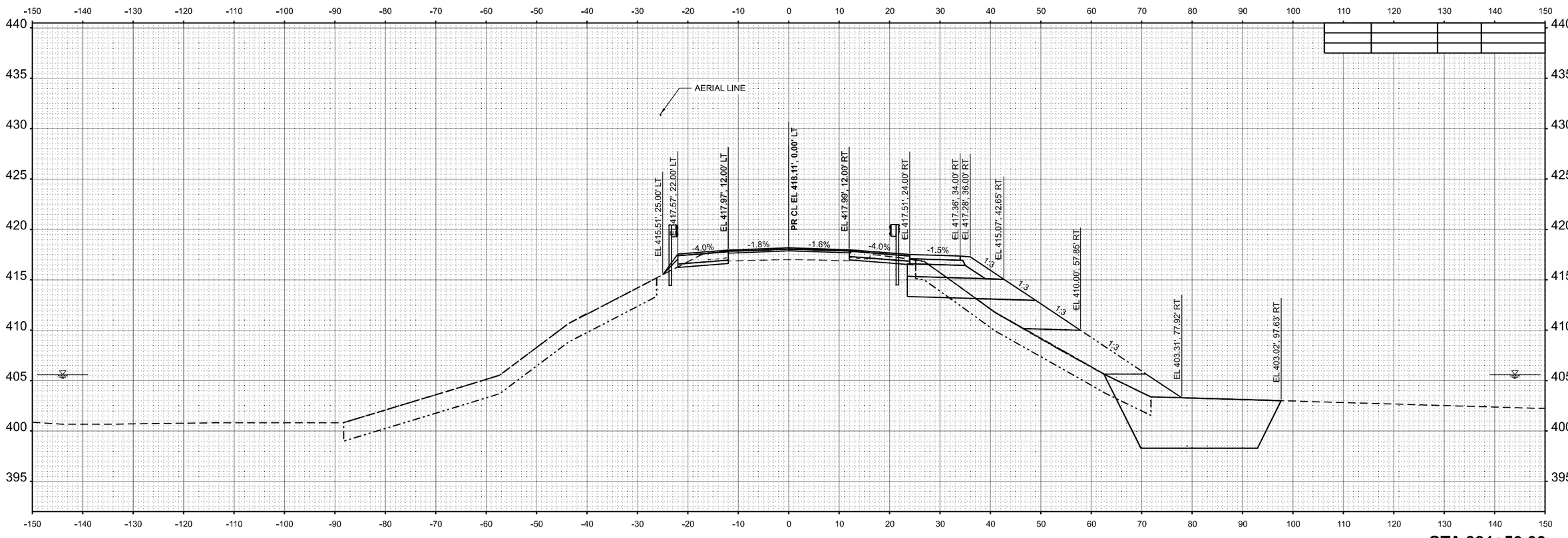
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 40 OF 143 SHEETS | STA. B 331+00.00 | TO STA. B 331+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	278
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 331+50.00

FINAL SURVEY		BY	DATE
ORIGINAL SURVEY	SURVEYED		
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

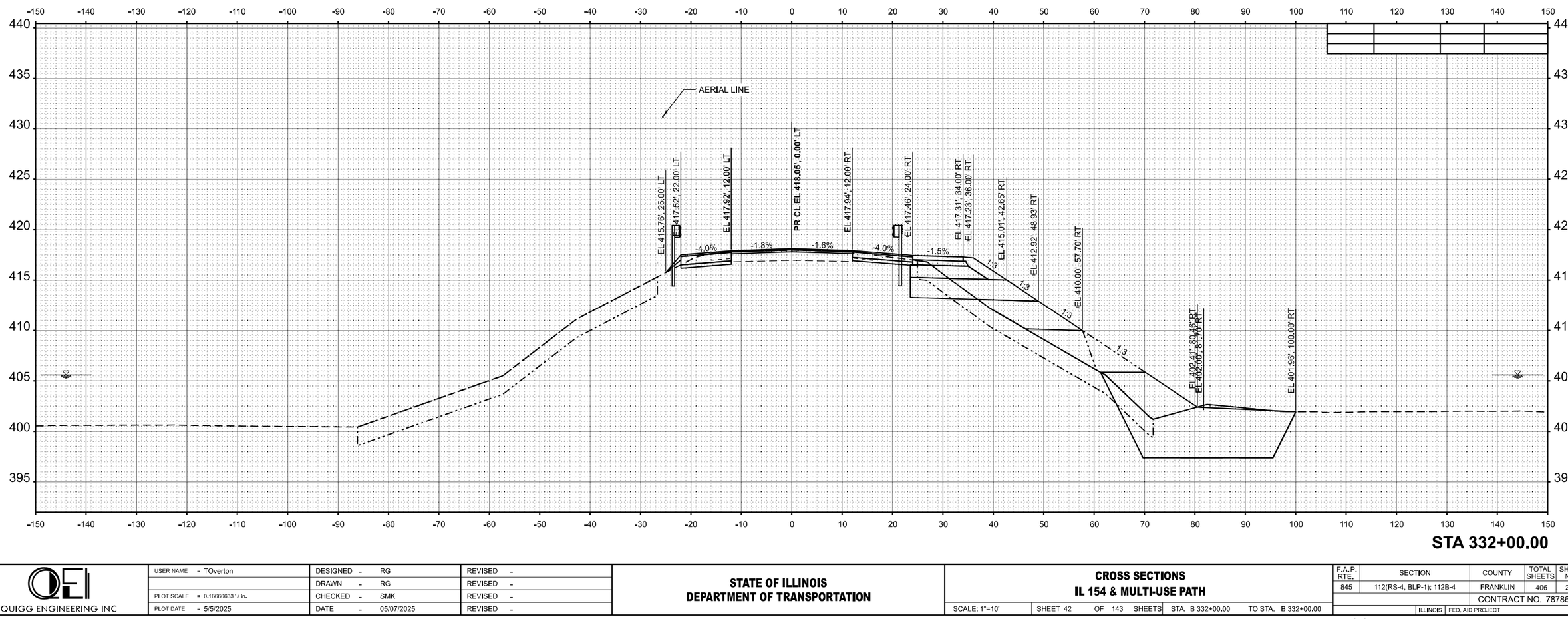
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QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**
	DRAWN - RG	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**IL 154 & MULTI-USE PATH**
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -		SCALE: 1"=10' | SHEET 41 OF 143 SHEETS | STA. B 331+50.00 | TO STA. B 331+50.00
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	279
		CONTRACT NO. 78786		
	ILLINOIS | FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL 154 - B 332+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D9787786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
PLOT SCALE = 0.16666633 ' / In.		CHECKED - SMK		REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

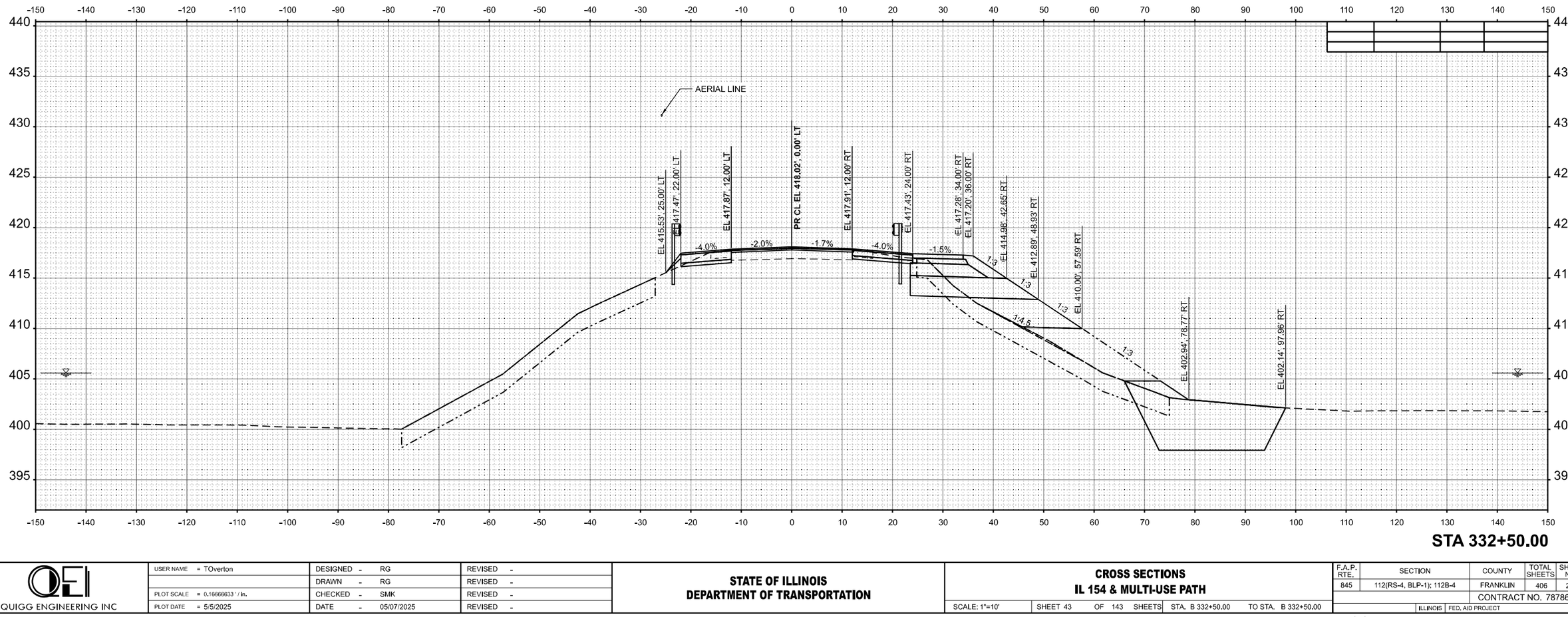
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 42 OF 143 SHEETS | STA. B 332+00.00 | TO STA. B 332+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	280
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



STA 332+50.00

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL 154 - B 332+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D9787 86-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

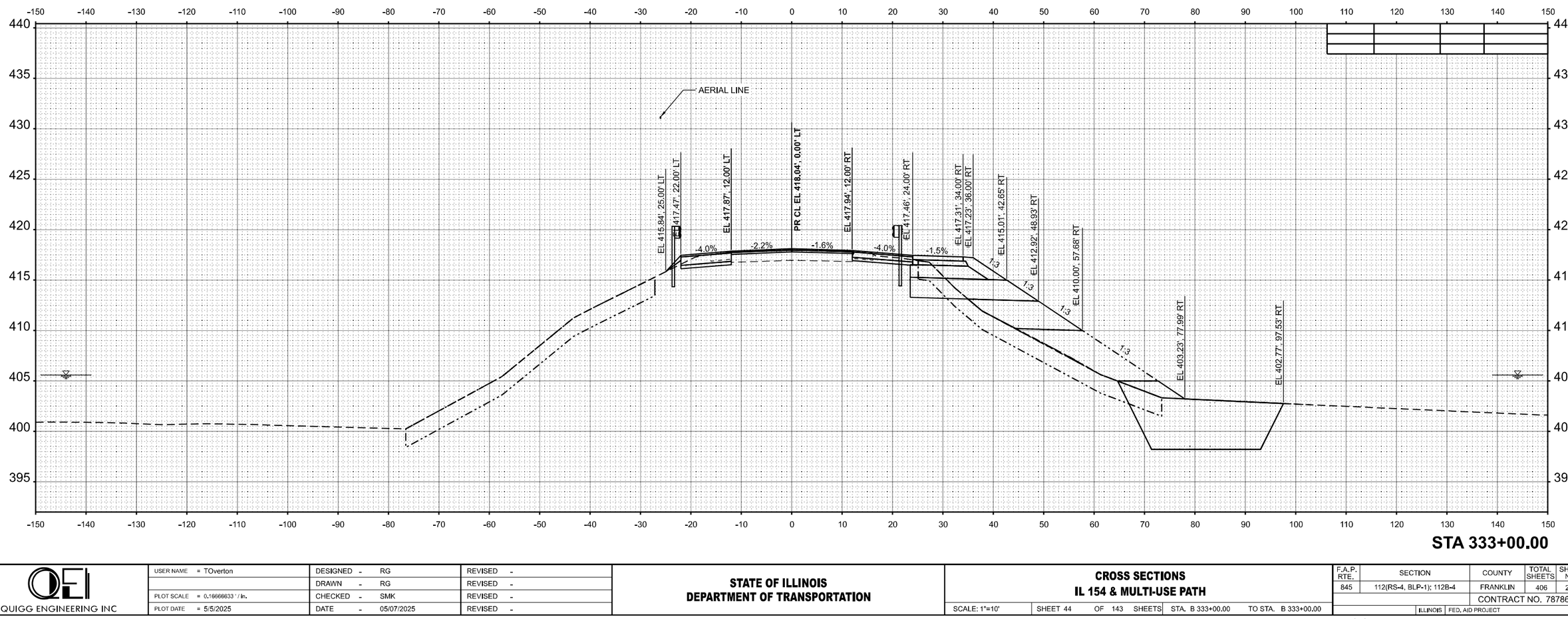
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 43 OF 143 SHEETS | STA. B 332+50.00 | TO STA. B 332+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	281
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 333+00.00

MODEL: IL 154 - B 333+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D9787 86-sht-XS_IL154.dgn

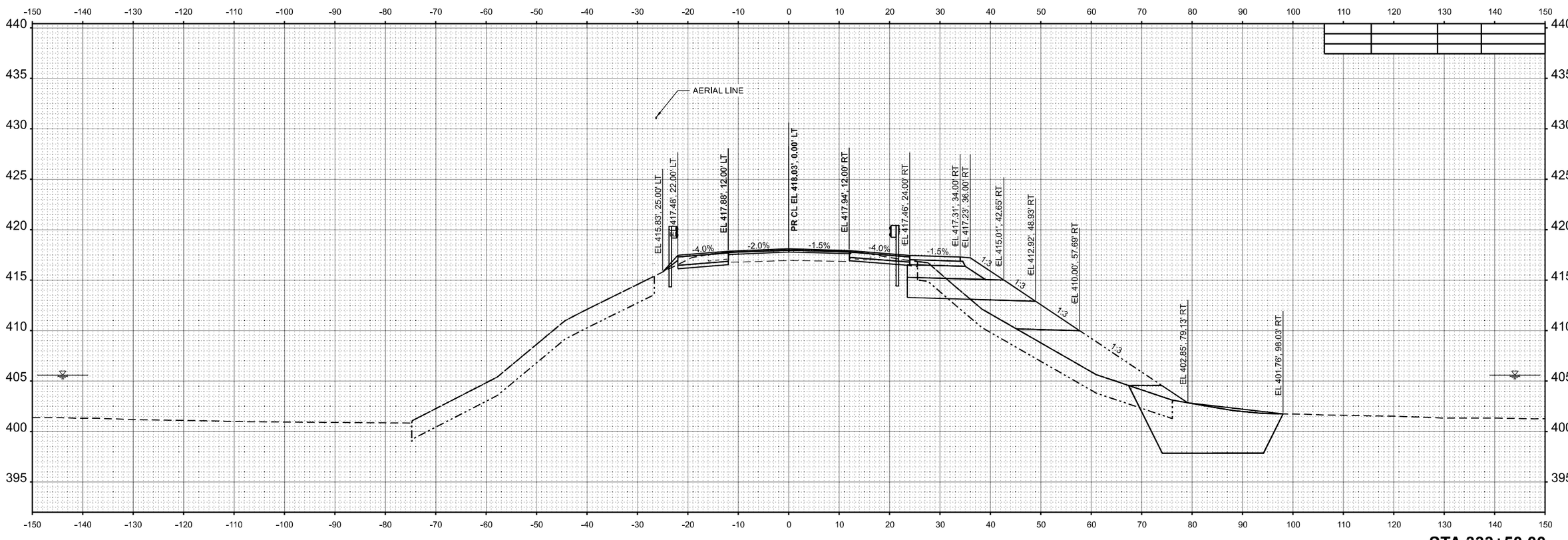
QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS IL 154 & MULTI-USE PATH**
	DRAWN - RG	REVISED -		
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -		SCALE: 1"=10' | SHEET 44 OF 143 SHEETS | STA. B 333+00.00 TO STA. B 333+00.00
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	282
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		



MODEL: IL 154 - B 333+50.00 [Sheet]
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QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 45 OF 143 SHEETS | STA. B 333+50.00 | TO STA. B 333+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	283
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK

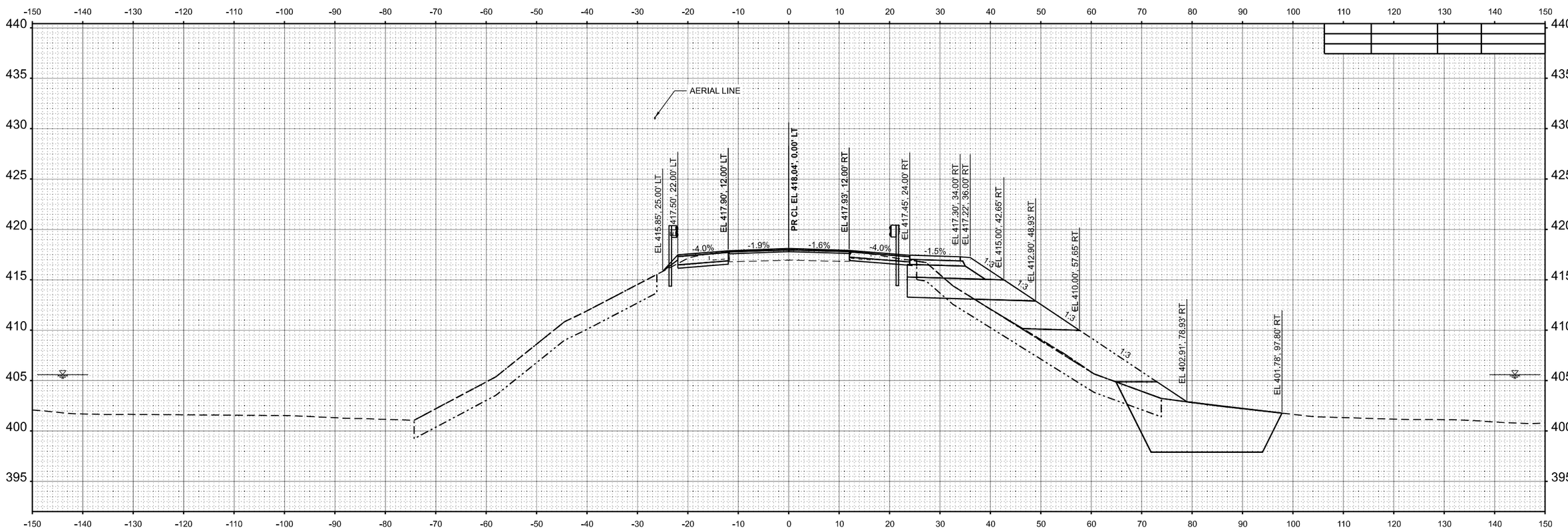
NO.

ORIGINAL SURVEY

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK

NO.



STA 334+00.00

MODEL: IL 154 - B 334+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D9787 86-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
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PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

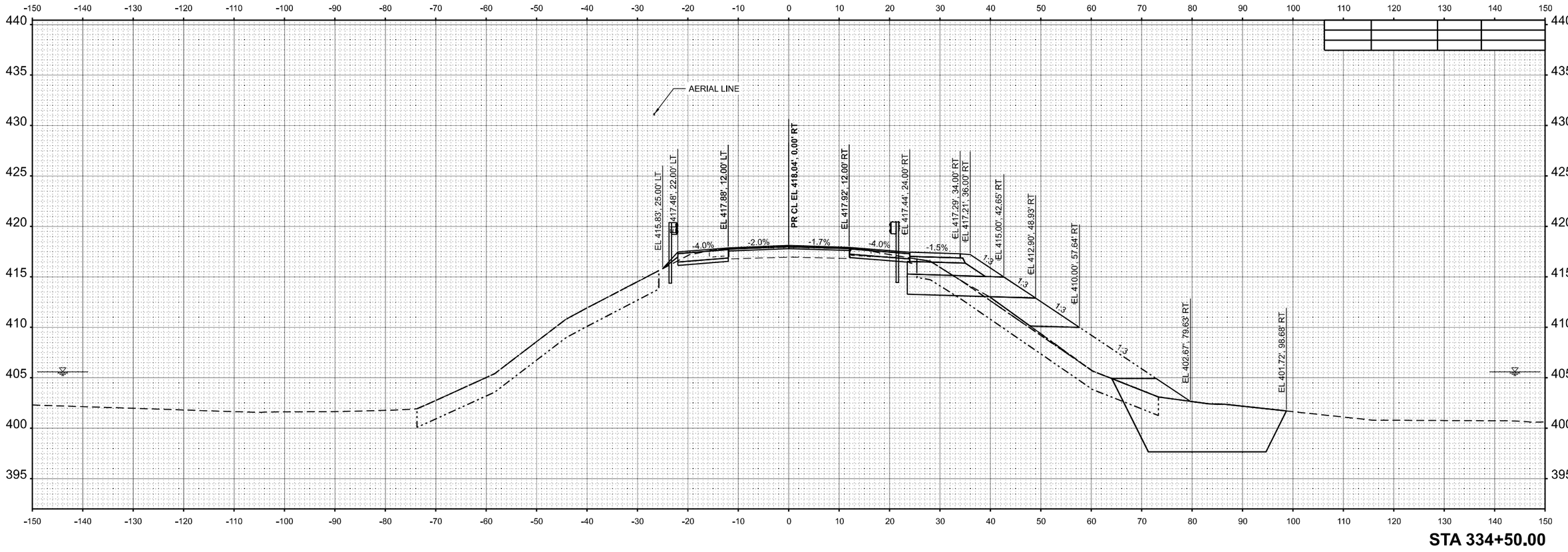
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 46 OF 143 SHEETS | STA. B 334+00.00 | TO STA. B 334+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	284
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 334+50.00

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

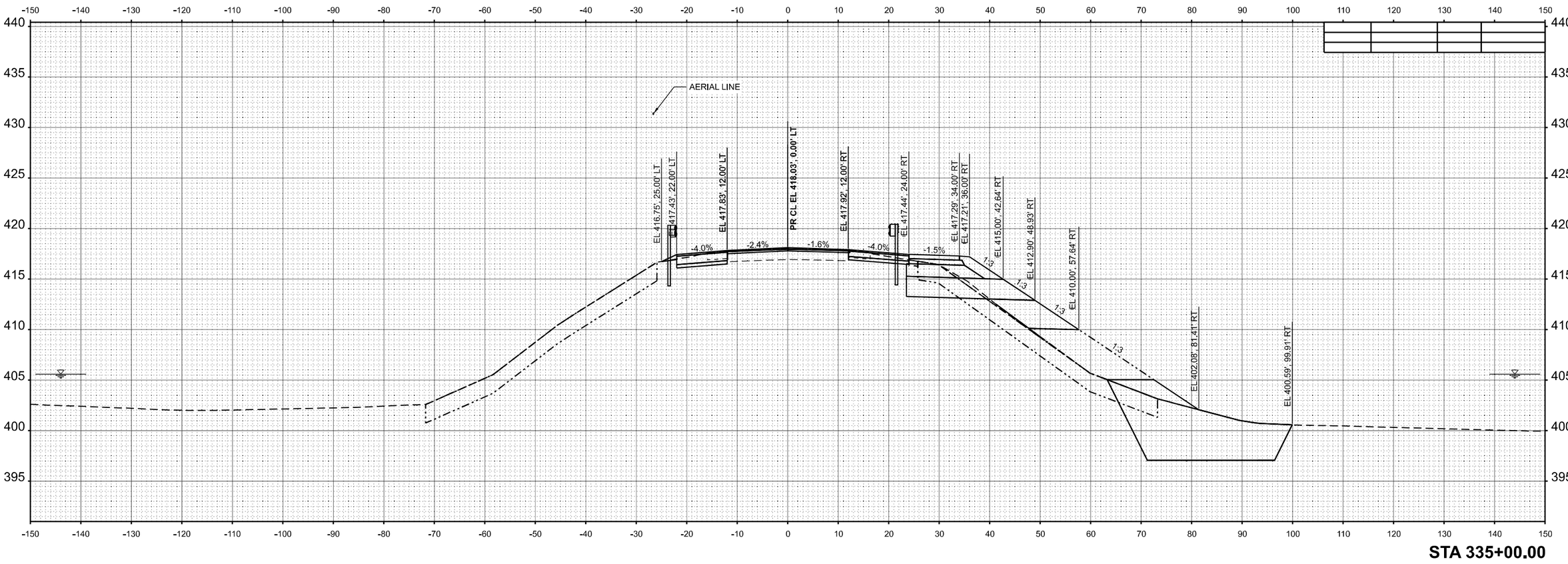
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 47 OF 143 SHEETS | STA. B 334+50.00 | TO STA. B 334+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	285
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

MODEL: IL 154 - B 335+00.00 [Sheet]
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QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

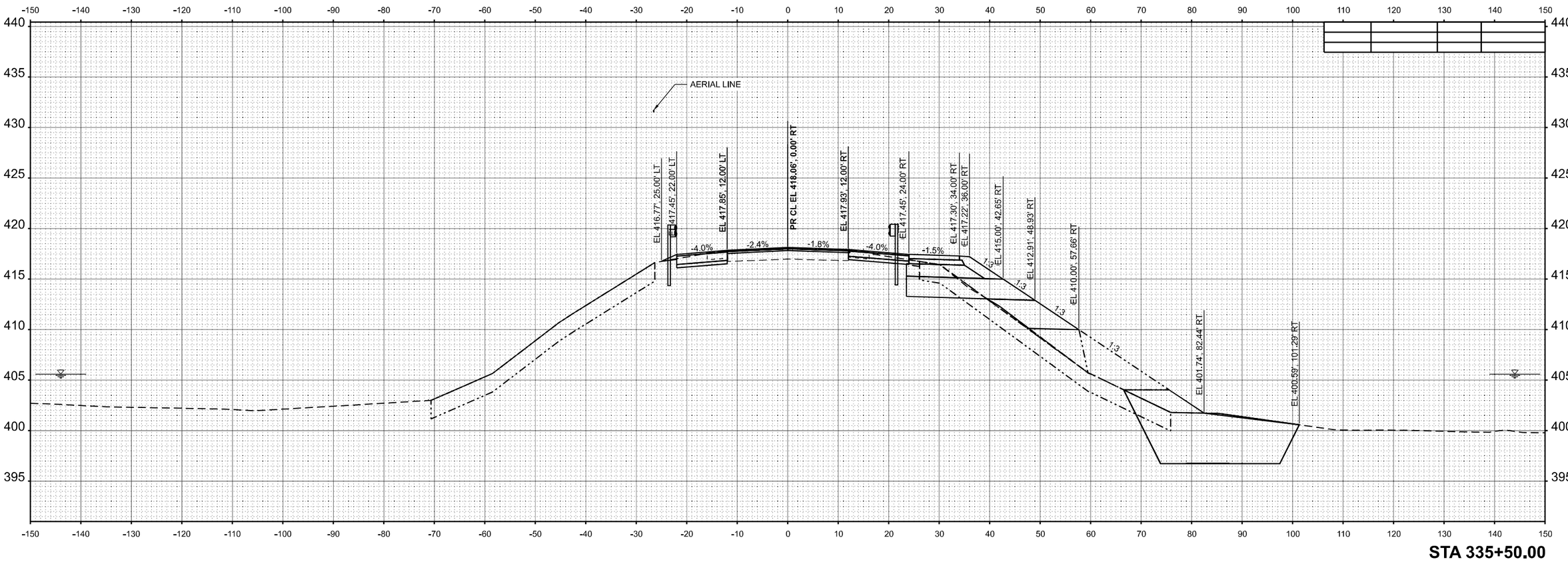
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 48 OF 143 SHEETS | STA. B 335+00.00 | TO STA. B 335+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	286
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

MODEL: IL 154 - B 335+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-snt->XS_IL 154.dgn

QUIGG ENGINEERING INC

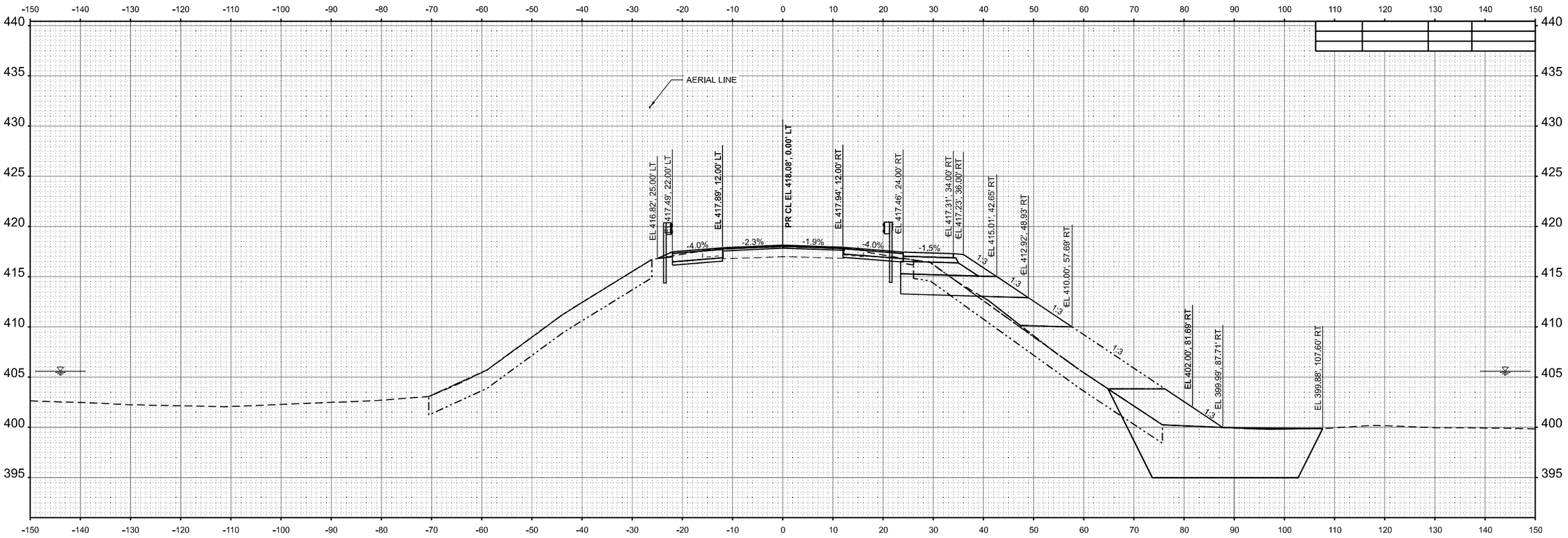
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	DRAWN - RG	REVISED -	
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PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 49 OF 143 SHEETS | STA. B 335+50.00 | TO STA. B 335+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	287
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	



STA 336+00.00

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

MODEL: IL154 - B 336+00.00 [Sheet]
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QUIGG ENGINEERING INC

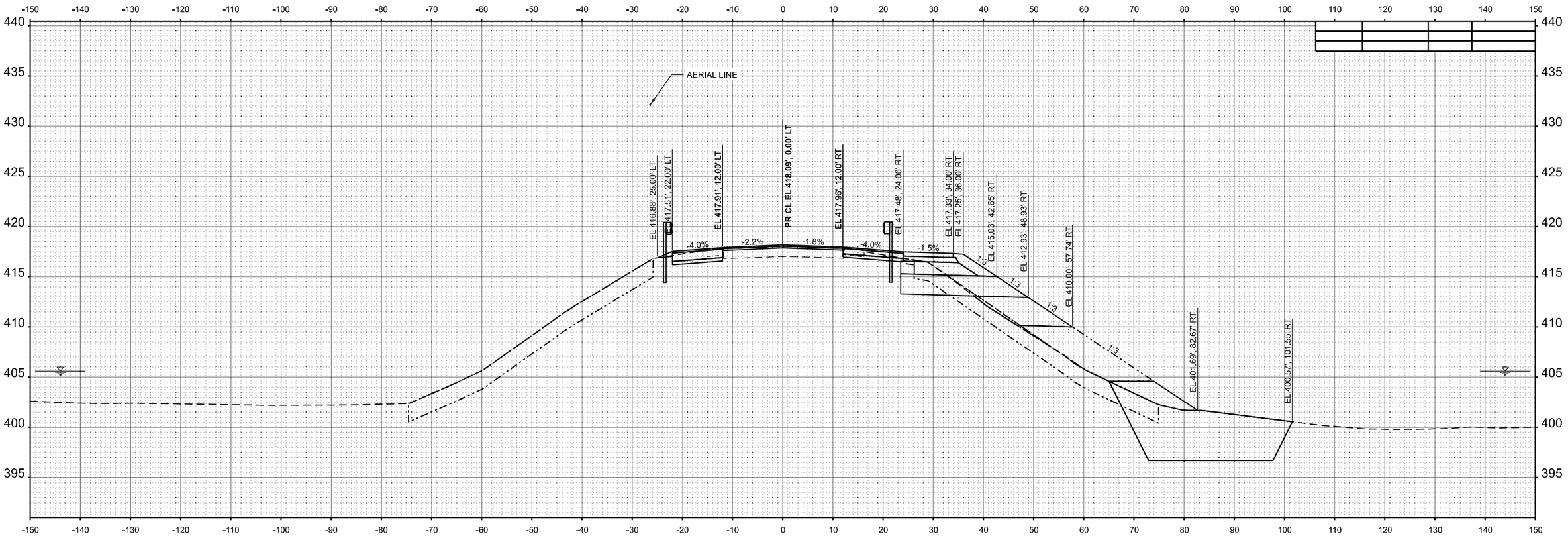
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PLOT DATE	= 5/5/2025	DATE	- 05/07/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 50 OF 143 SHEETS | STA. B 336+00.00 | TO STA. B 336+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	288
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



STA 336+50.00

FINAL SURVEY

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK
NO.

ORIGINAL SURVEY

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK
NO.

MODEL: IL154 - B 336+50.00 [Sheet]
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QUIGG ENGINEERING INC

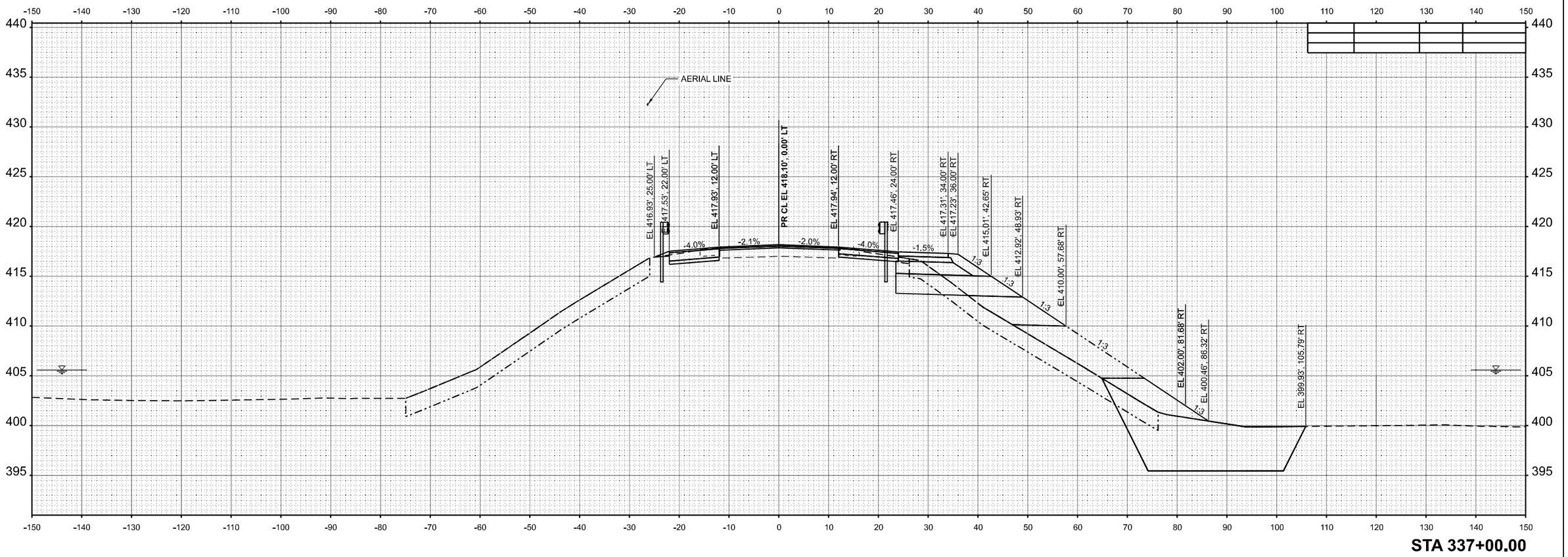
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		DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.		CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 51 OF 143 SHEETS | STA. B 336+50.00 | TO STA. B 336+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	289
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 337+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL 154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -

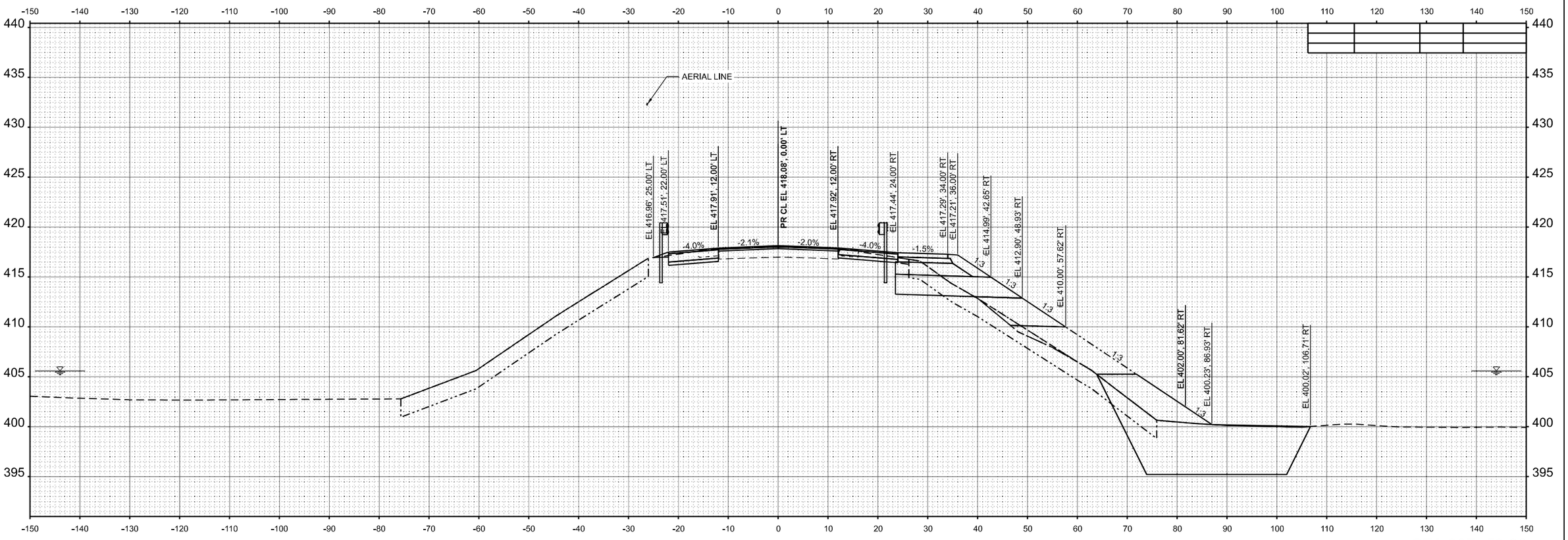
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 52 OF 143 SHEETS | STA. B 337+00.00 | TO STA. B 337+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	290
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 337+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL 154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG	REVISED -	
		DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.		CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025	REVISED -	

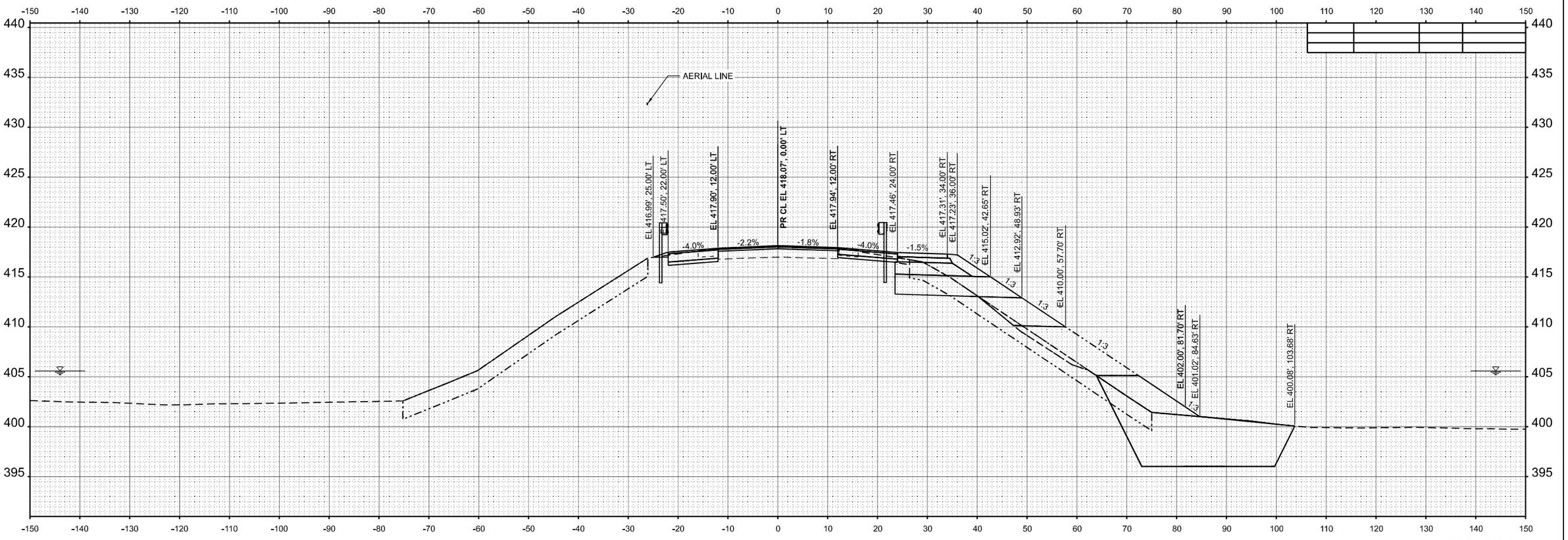
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 53 OF 143 SHEETS | STA. B 337+50.00 | TO STA. B 337+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	291
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 338+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL 154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-sht-XS_IL154.dgn

QUIGG ENGINEERING INC

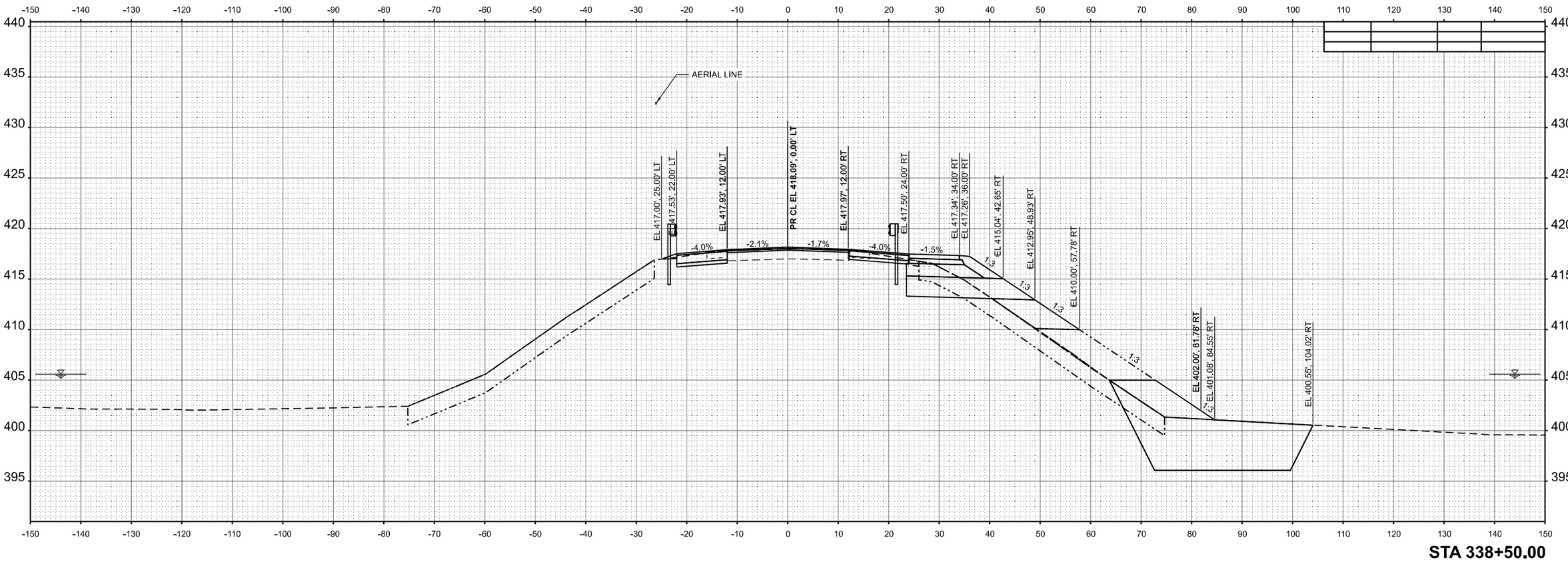
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	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 54 OF 143 SHEETS | STA. B 338+00.00 | TO STA. B 338+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	292
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		



STA 338+50.00

FINAL SURVEY
NOTE BOOK
NO.
BY
DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY
NOTE BOOK
NO.
BY
DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

MODEL: IL 154 - B 338+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht->XS_IL 154.dgn

QUIGG ENGINEERING INC

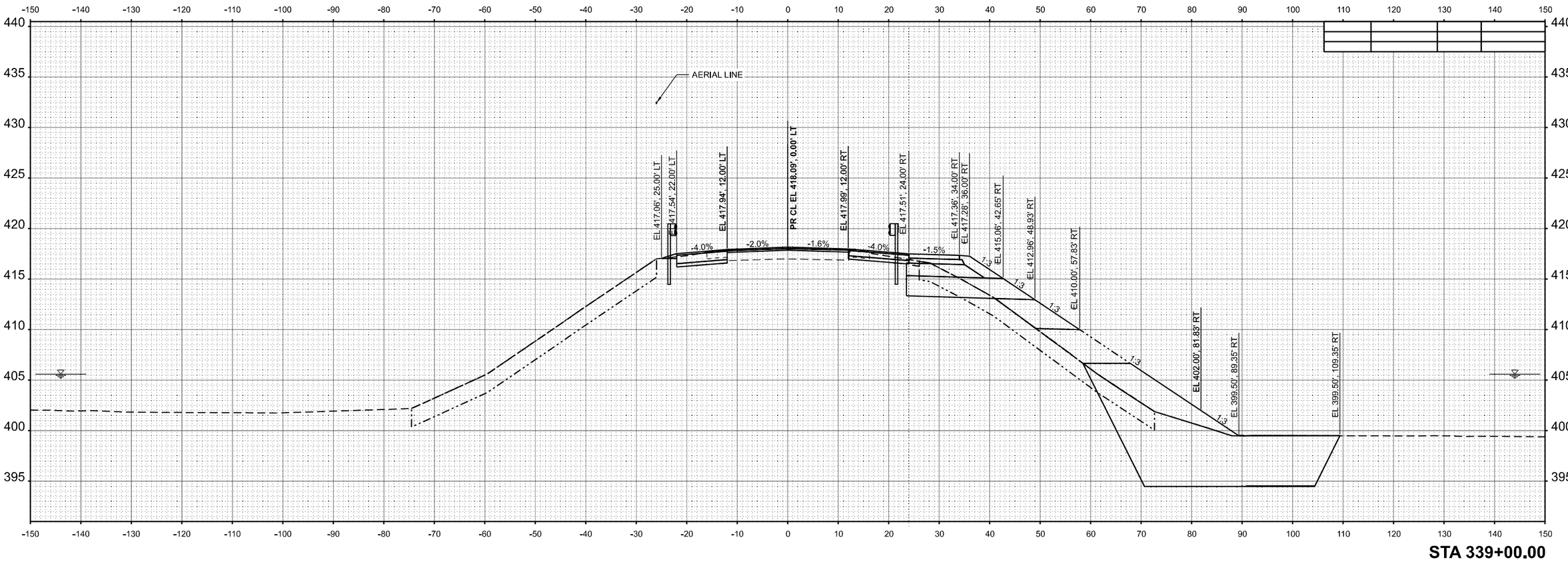
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	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 55 OF 143 SHEETS | STA. B 338+50.00 | TO STA. B 338+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	293
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	



STA 339+00.00

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL 154 - B 339+00.00 |Sheet|
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht->XS_IL 154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

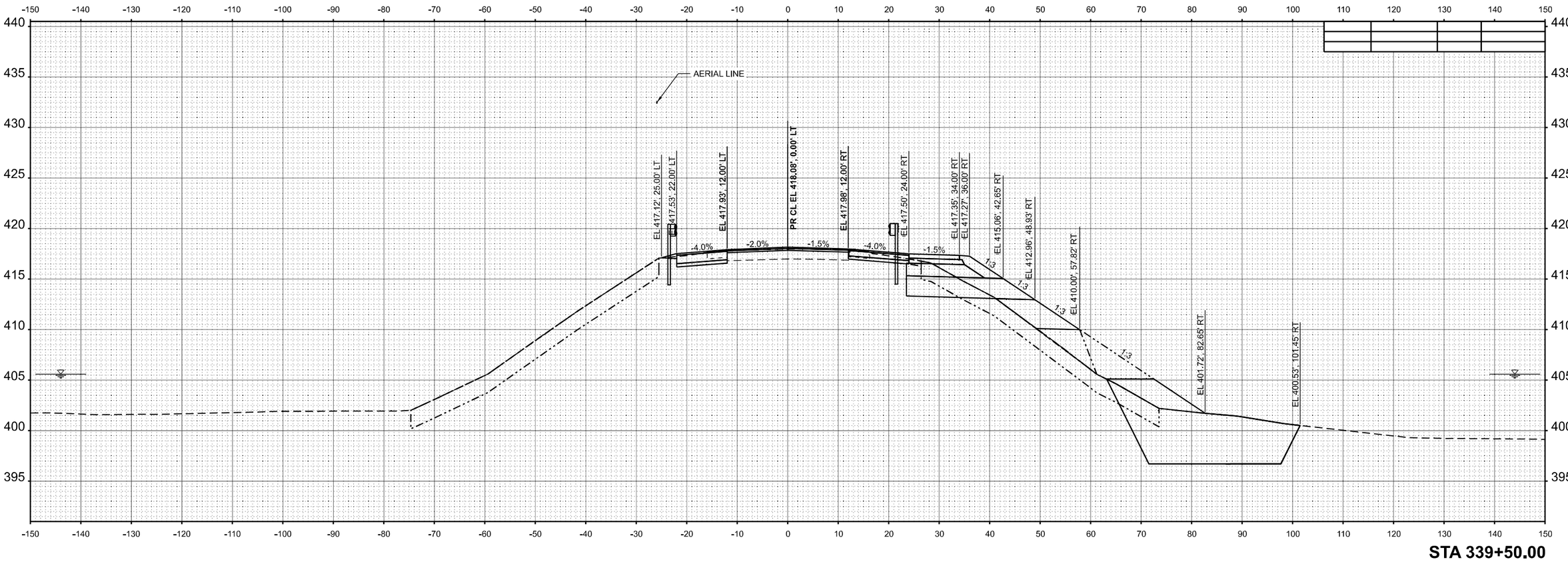
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 56 OF 143 SHEETS | STA. B 339+00.00 | TO STA. B 339+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	294
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		



MODEL: IL 154 - B 339+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL 154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht->XS_IL 154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
PLOT SCALE = 0.16666633 ' / in.		CHECKED - SMK		REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

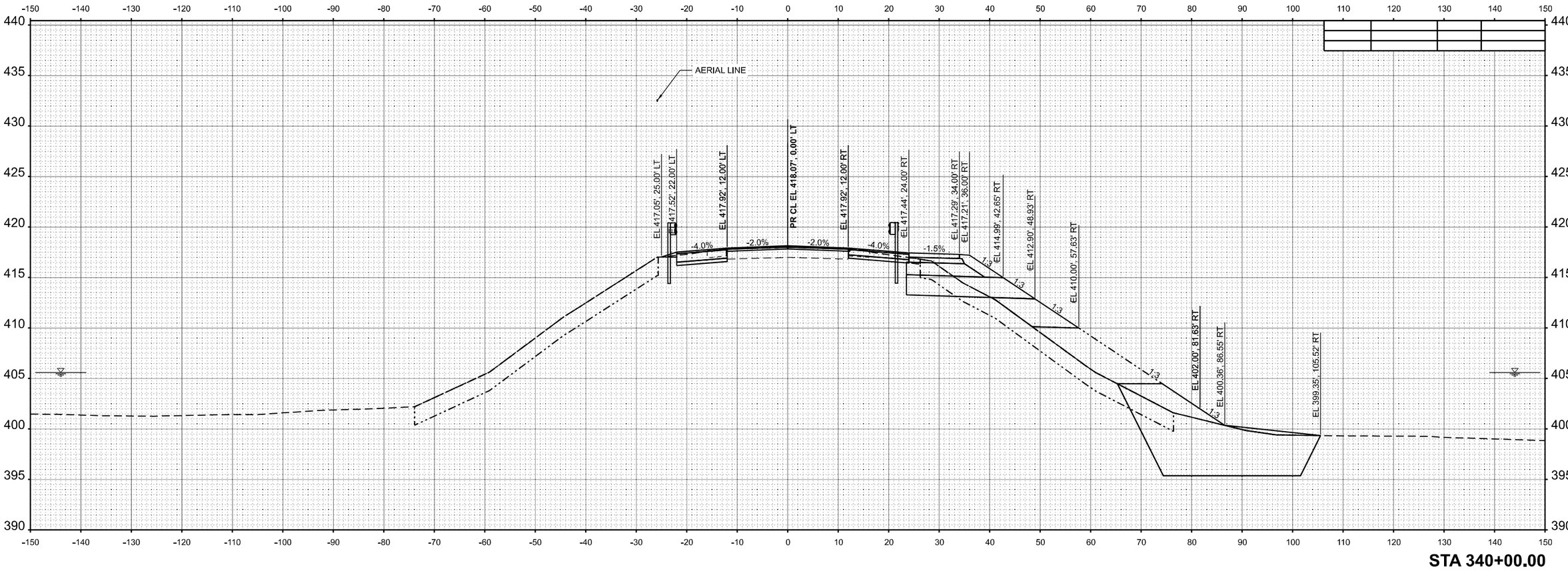
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 57 OF 143 SHEETS | STA. B 339+50.00 | TO STA. B 339+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	295
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE



STA 340+00.00

MODEL: IL154 - B 340+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL 154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-ehl-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

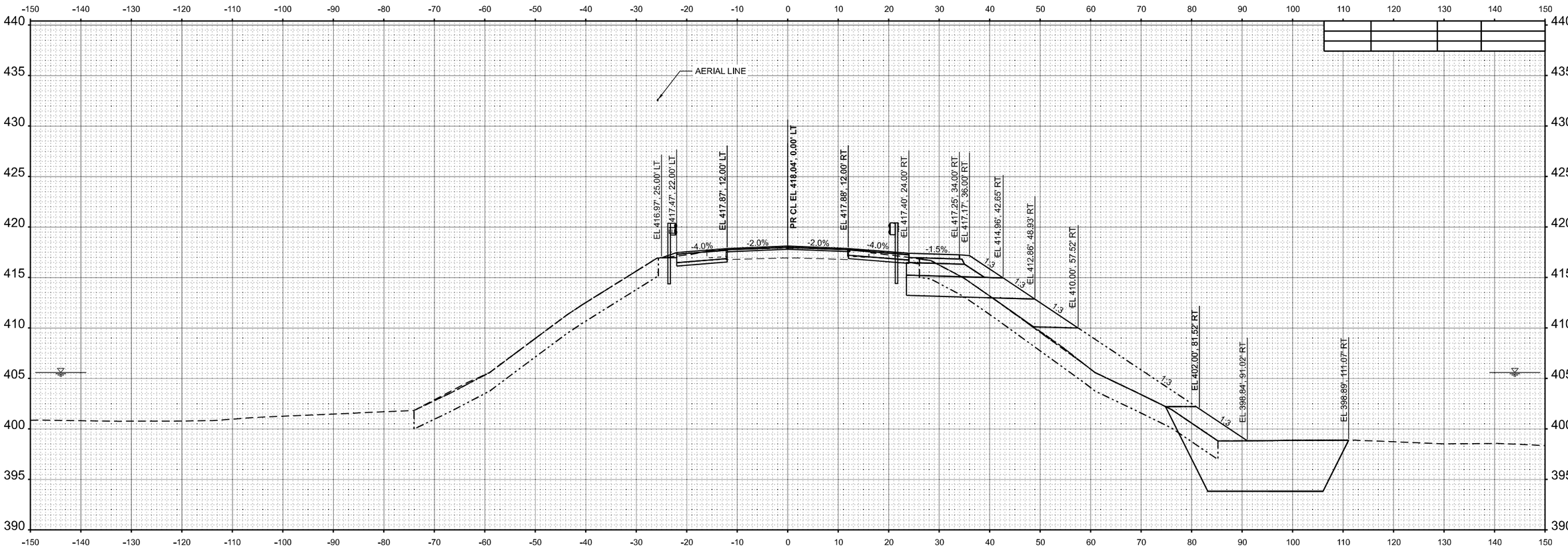
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 58 OF 143 SHEETS | STA. B 340+00.00 | TO STA. B 340+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	296
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NOTE BOOK	AREAS CHECKED		
NO.			



ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NOTE BOOK	AREAS CHECKED		
NO.			

MODEL: IL154 - B 340+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl III\WO3 IL 154 Rend Lake Rdwy PH III\CADD\CADD Sheets\D978786-ehl-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

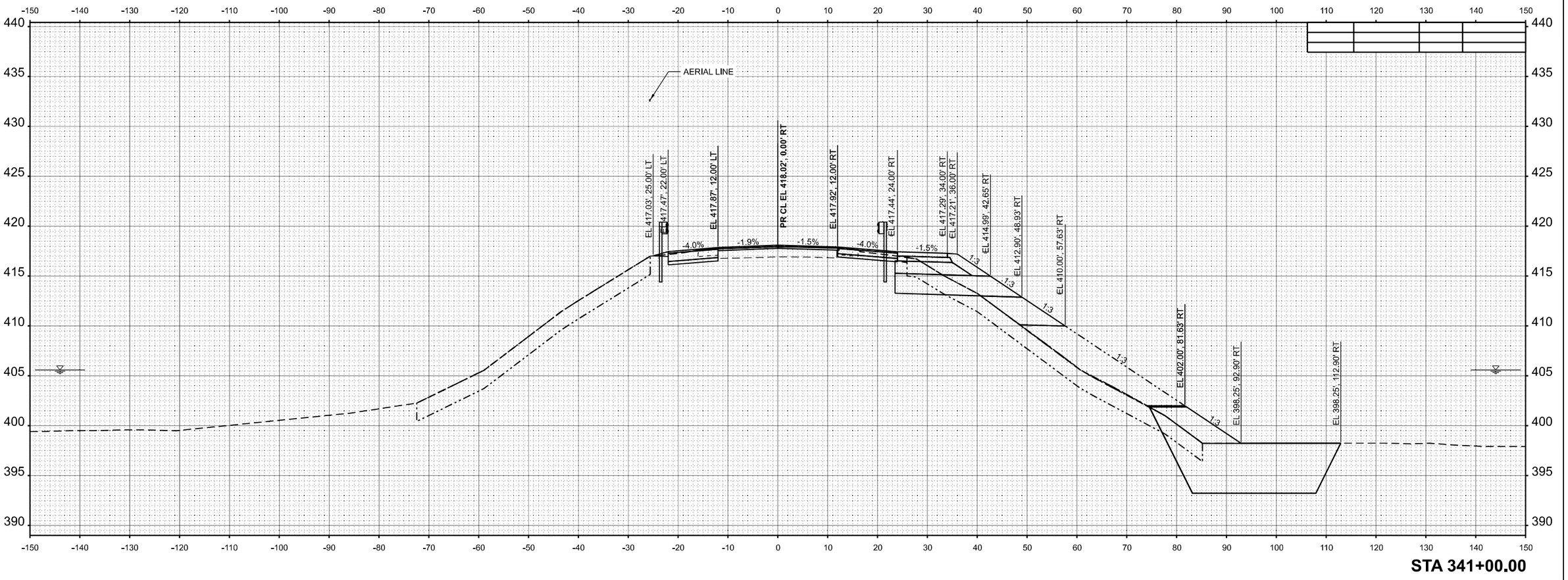
CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 59 OF 143 SHEETS | STA. B 340+50.00 | TO STA. B 340+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	297
		CONTRACT NO. 78786		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		



STA 341+00.00

MODEL: IL154 - B 341+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - OEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-eht-xS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -
		DRAWN - RG		REVISED -
PLOT SCALE = 0.16666633 ' / in.		CHECKED - SMK		REVISED -
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -

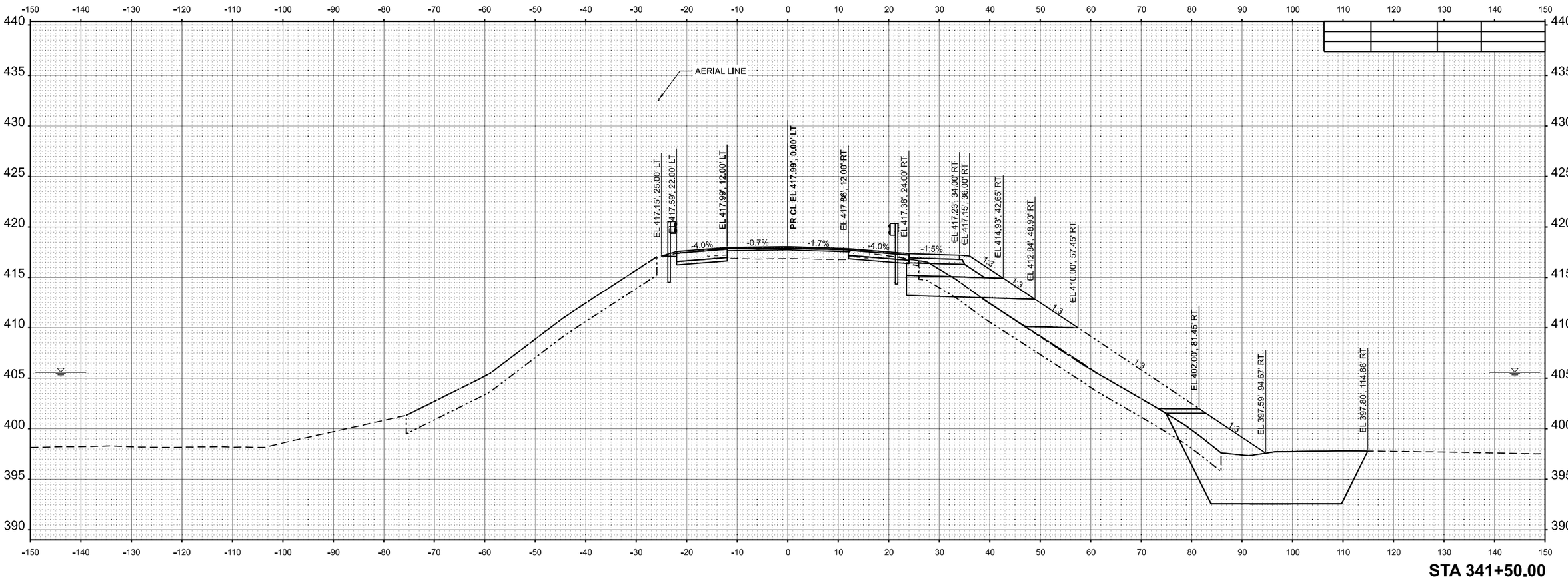
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 60 OF 143 SHEETS | STA. B 341+00.00 | TO STA. B 341+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	298
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL154 - B 341+50.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - QEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-sht-xs_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton	DESIGNED - RG	REVISED -	
	DRAWN - RG	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - SMK	REVISED -	
PLOT DATE = 5/5/2025	DATE - 05/07/2025	REVISED -	

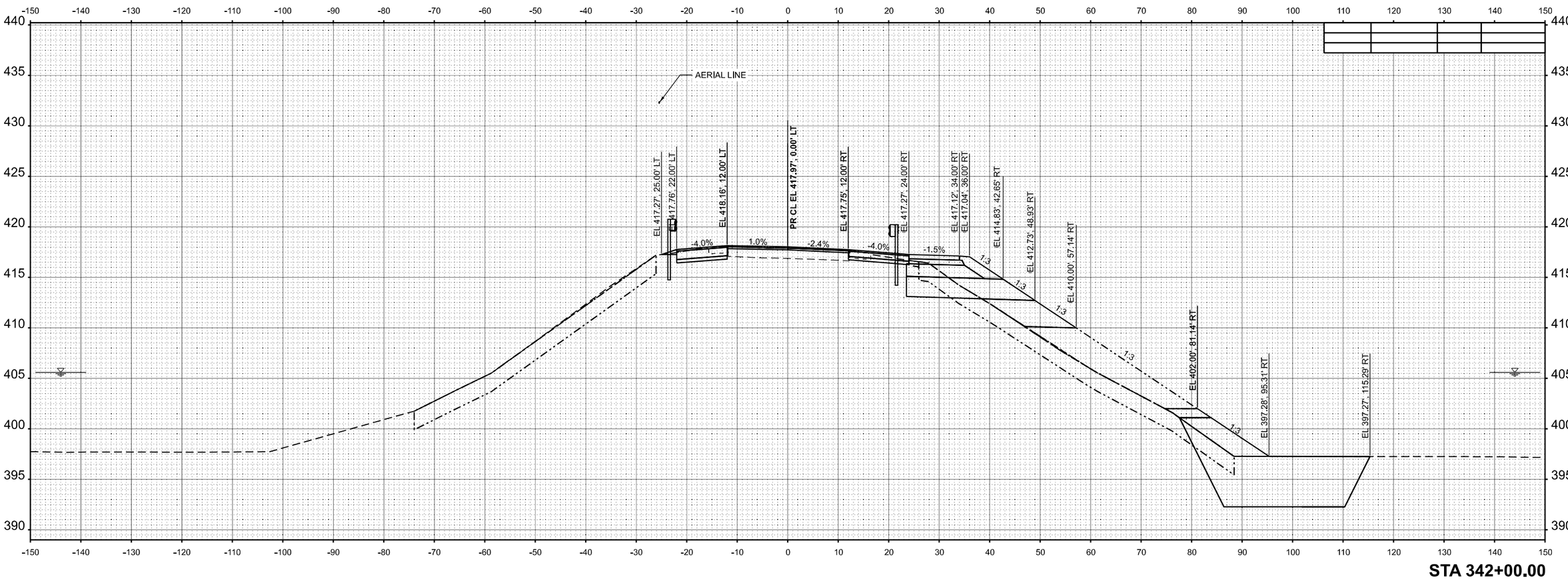
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 61 OF 143 SHEETS | STA. B 341+50.00 | TO STA. B 341+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	299
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



STA 342+00.00

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL154 - B 342+00.00 [Sheet]
FILE NAME: \\Quigg\Projects\2023\23IL072 - PTB 209-38 D9 - OEI - Var Phl II\WO3 IL154 Rend Lake Rdwy PH II\CADD\CADD Sheets\D978786-elt-XS_IL154.dgn

QUIGG ENGINEERING INC

USER NAME = TOverton		DESIGNED - RG		REVISED -	
		DRAWN - RG		REVISED -	
PLOT SCALE = 0.16666633 ' / in.		CHECKED - SMK		REVISED -	
PLOT DATE = 5/5/2025		DATE - 05/07/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 154 & MULTI-USE PATH

SCALE: 1"=10' | SHEET 62 OF 143 SHEETS | STA. B 342+00.00 | TO STA. B 342+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
845	112(RS-4, BLP-1); 112B-4	FRANKLIN	406	300
		CONTRACT NO. 78786		
	ILLINOIS	FED. AID PROJECT		