01-18-2019 LETTING ITEM 060

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	1
	ILLINOIS	CONTRACT NO. 66F57		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 330 (IL 17)
SECTION [(1R)BR-1]1
PROJECT NHPP-OWR2(087)
BRIDGE WIDENING AND SUPERSTRUCTURE REPLACEMENT
KANKAKEE COUNTY
C-93-087-18

P-93-026-16
D-93-083-18

LOCATION OF SECTION INDICATED THUS: -

FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL
2017 ADT = 13,200
P.V.=86.9% S.U.=5.7% M.U.=7.4%

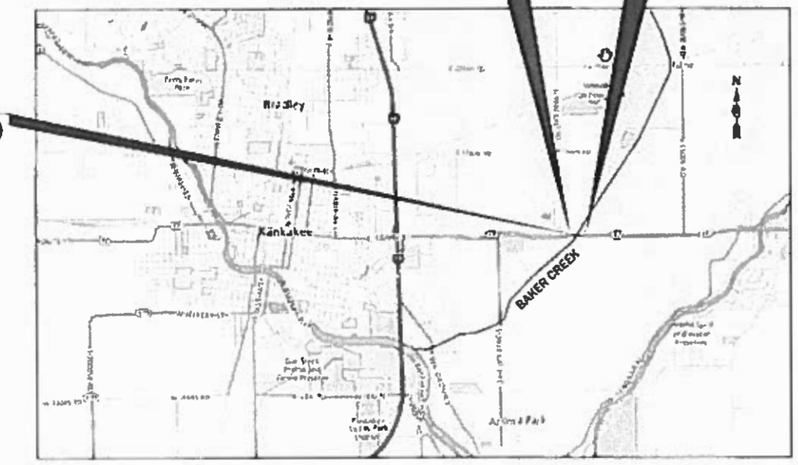
INDEX OF SHEETS

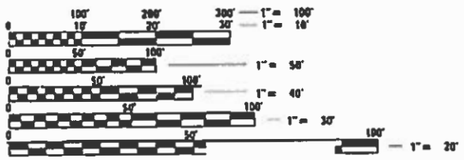
FOR LIST OF STANDARDS, SEE SHEET NO. 2

STRUCTURE NO. 046-0035 (EB)
STATION 114+56.39
STRUCTURE NO. 046-0036 (WB)
STATION 115+59.43

BEGIN IMPROVEMENT
STA 111+80

END IMPROVEMENT
STA 120+00





FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JOE KANNEL, P.E.
UNIT CHIEF: MICHELE LINDEMANN, P.E.

CONTRACT NO. 66F57

GROSS LENGTH = 820.00 FT. = 0.155 MILE
NET LENGTH = 820.00 FT. = 0.155 MILE

FIRM: BLOOM COMPANIES, LLC
NAME: LEE S. AUSTIN
LICENSE NUMBER: 062-033859
DATE: 10/30/18
SIGNATURE AND SEAL APPLY TO DRAWINGS: 2 TO 36 AND 84 TO 114
EXPIRATION DATE: 11/30/2019

FIRM: BLOOM COMPANIES, LLC
NAME: RALPH J. OTREMBIAK
LICENSE NUMBER: 081.004812
DATE: 10/30/18
SIGNATURE AND SEAL APPLY TO DRAWINGS: 37 TO 83
EXPIRATION DATE: 11/30/2018

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Nov. 1 20 18
REGIONAL ENGINEER
Dec 7 20 18
ENGINEER OF DESIGN AND ENVIRONMENT
Dec 20 18
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 11/7/18

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

GENERAL NOTES (CONTINUED)

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: AT&T, COMED, COMCAST, NICOR.

HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
482001-02	HMA SHOUDLER ADJACENT TO FLEXIBLE PAVEMENT
482006-03	HMA SHOUDLER ADJACENT TO RIGID PAVEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" DIA
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
602701-02	MANHOLE STEPS
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
665001-02	WOVEN WIRE FENCE
667101-02	PERMANENT SURVEY MARKERS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
701423-10	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS >= 45 MPH TO 55MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
701426-09	LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >/= 45 MPH

COMMITMENTS:

1. NO TREES ARE TO BE REMOVED FROM APRIL 1 TO SEPTEMBER 30 AS A CONSERVATION MEASURE FOR ENDANGERED BATS.

2. THE USGS MARKER LOCATED ON THE NORTHWEST CORNER OF STR. NO. 046-0036 SHALL BE RETURNED TO THE DISTRICT SURVEY CHIEF.

HMA MIXTURE REQUIREMENT TABLE				
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE	HMA LEVEL BINDER	HMA SHOULDER BOTTOM LIFT(S)	HMA SHOULDER TOP LIFT
BINDER GRADE (PG):	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5FG	IL 19.0	IL 9.5FG
FRICTION AGGREGATE:	MIXTURE D			
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE:	NA	NA	NA	NA
DENSITY TEST METHOD:	CORES	% GROWTH CURVE	CORES	% GROWTH CURVE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: DISTRICT STUDIES & PLANS ENGINEER

DATE: 11/1/18

EXAMINED BY: DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

BLOOM COMPANIES, LLC	USER NAME = jandrews	DESIGNED - JB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
		DRAWN - JB	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - LA	REVISED -		
	PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	2
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

REV. 11/8/18

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED, 20% STATE BRIDGE 046-0035 BRIDGE 046-0036 0013 RURAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	193	193
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	81	81
20101100	TREE TRUNK PROTECTION	EACH	3	3
20200100	EARTH EXCAVATION	CU YD	1,026	1,026
20200200	ROCK EXCAVATION	CU YD	28.7	28.7
20400800	FURNISHED EXCAVATION	CU YD	454	454
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,363	2,363
25000210	SEEDING, CLASS 2A	ACRE	4.00	4.00
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	360	360
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	360	360
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	360	360
25100630	EROSION CONTROL BLANKET	SQ YD	31,728	31,728
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	6,612	6,612
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,200	1,200

* SPECIALTY ITEM

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
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Phone: (312) 876-6000 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - JB	REVISED -
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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	3
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

MODEL NAME = Default
FILE NAME = F:\3-308 IDOT\Old 3-3-308\IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0366F57-sht-SOQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED, 20% STATE BRIDGE 046-0035 BRIDGE 046-0036 0013 RURAL
28000305	TEMPORARY DITCH CHECKS	FOOT	48	48
28000400	PERIMETER EROSION BARRIER	FOOT	2,255	2,255
28000500	INLET AND PIPE PROTECTION	EACH	4	4
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	112	112
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,330	2,330
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	2	2
40600537	LEVELING BINDER (HAND METHOD), IL-9.5FG, N70	TON	76	76
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	263	263
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	527	527
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	602	602
44000100	PAVEMENT REMOVAL	SQ YD	674	674
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	6,365	6,365
44004250	PAVED SHOULDER REMOVAL	SQ YD	314	314
48101200	AGGREGATE SHOULDERS, TYPE B	TON	536	536

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	4
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

MODEL NAME = Default
FILE NAME = P:\3-1308 IDOT\Old 3\3-1308-JL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0366F57-sht-S002.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED, 20% STATE BRIDGE 046-0035 BRIDGE 046-0036 0013 RURAL
48203041	HOT-MIX ASPHALT SHOULDERS, 11"	SQ YD	610	610
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	2	2
50102400	CONCRETE REMOVAL	CU YD	106.9	106.9
50104400	CONCRETE HEADWALL REMOVAL	EACH	6	6
50200100	STRUCTURE EXCAVATION	CU YD	452	452
50200300	COFFERDAM EXCAVATION	CU YD	626	626
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1	1
50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1	1
50201103	COFFERDAM (TYPE 1) (LOCATION - 3)	EACH	1	1
50201104	COFFERDAM (TYPE 1) (LOCATION - 4)	EACH	1	1
50201105	COFFERDAM (TYPE 1) (LOCATION - 5)	EACH	1	1
50201106	COFFERDAM (TYPE 1) (LOCATION - 6)	EACH	1	1
50300100	FLOOR DRAINS	EACH	12	12
50300225	CONCRETE STRUCTURES	CU YD	443.7	443.7

* SPECIALTY ITEM

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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	5
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED, 20% STATE BRIDGE 046-0035 BRIDGE 046-0036 0013 RURAL
50300255	CONCRETE SUPERSTRUCTURE	CU YD	321	321
50300260	BRIDGE DECK GROOVING	SQ YD	1,490	1,490
50300300	PROTECTIVE COAT	SQ YD	1,818	1,818
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	237	237
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1
50500505	STUD SHEAR CONNECTORS	EACH	6,804	6,804
50800105	REINFORCEMENT BARS	POUND	53,070	53,070
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	194,390	194,390
50800515	BAR SPLICERS	EACH	1,004	1,004
51500100	NAME PLATES	EACH	2	2
52000110	PREFORMED JOINT STRIP SEAL	FOOT	254.5	254.5
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	24	24
52100505	ANCHOR BOLTS, 5/8"	EACH	48	48
52100510	ANCHOR BOLTS, 3/4"	EACH	24	24

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED, 20% STATE BRIDGE 046-0035 BRIDGE 046-0036 0013 RURAL
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	2,679	2,679
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	6	6
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4	4
54262724	METAL FLARED END SECTIONS 24"	EACH	2	2
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	77	77
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	89	89
542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	104	104
55100500	STORM SEWER REMOVAL 12"	FOOT	10	10
55101200	STORM SEWER REMOVAL 24"	FOOT	285	285
58700300	CONCRETE SEALER	SQ FT	2,634	2,634
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	207	207
60801024	FLAP GATE 24"	EACH	2	2
60801030	FLAP GATE 30"	EACH	2	2
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	275	275

* SPECIALTY ITEM

MODEL NAME = Default
FILE NAME = P:\3-1308 IDOT\Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\D366F57-sht-S005.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 5 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J1	KANKAKEE	114	7
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

REV. 12/12/18

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED, 20% STATE BRIDGE 046-0035 BRIDGE 046-0036 0013 RURAL
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
	63200310	GUARDRAIL REMOVAL	FOOT	694	694
	63500105	DELINEATORS	EACH	10	10
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	4,022	4,022
	66500105	WOVEN WIRE FENCE, 4'	FOOT	862	862
*	66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	125	125
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
*	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	2	2
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
	67100100	MOBILIZATION	L SUM	1	1

* SPECIALTY ITEM

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	DRAWN - JB	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 6 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	8
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

REV. 11/8/18

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED, 20% STATE BRIDGE 046-0035 BRIDGE 046-0036 0013 RURAL
	70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
	70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	2	2
	70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	360	360
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	19,578	19,578
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	975	975
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	975	975
	70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE,NARROW), TEST LEVEL 3	EACH	2	2
	70600370	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2	2
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,916	8,916
*	78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	992	992
*	78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	1,239	1,239
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	125	125
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16

* SPECIALTY ITEM

MODEL NAME = Default
FILE NAME = P:\3-3308 IDOT\Old 3-3-3308-JL IT Over Baker Creek\6_Drawings\CADD_Sheets\0366F57-sht-SOQ7.dgn

BLOOM COMPANIES, LLC
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USER NAME = jandrews	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - LA	REVISED -
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 7 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	9
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

REV. 11/8/18

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED, 20% STATE BRIDGE 046-0035 BRIDGE 046-0036 0013 RURAL
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	125	125
	X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	12	12
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,889	3,889
	X1200217	FLAP GATE PROTECTION BOX, TYPE 1 FRAME AND OPEN LID	EACH	4	4
	X5420630	PIPE CULVERTS TO BE CLEANED 30"	FOOT	101	101
	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	197	197
	X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	240	240
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	6,526	6,526
	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	312	312
*	X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	9,908	9,908
*	X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	1,239	1,239
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	Z0076600	TRAINEES	HOUR	2,000	2,000
	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	392	392
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2,000	2,000

* SPECIALTY ITEM

MODEL NAME = Default
FILE NAME = F:\3-308 IDOT\Dist 3\3-308ILIL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0366F57-sht-SOQ.dgn

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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 8 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	10
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

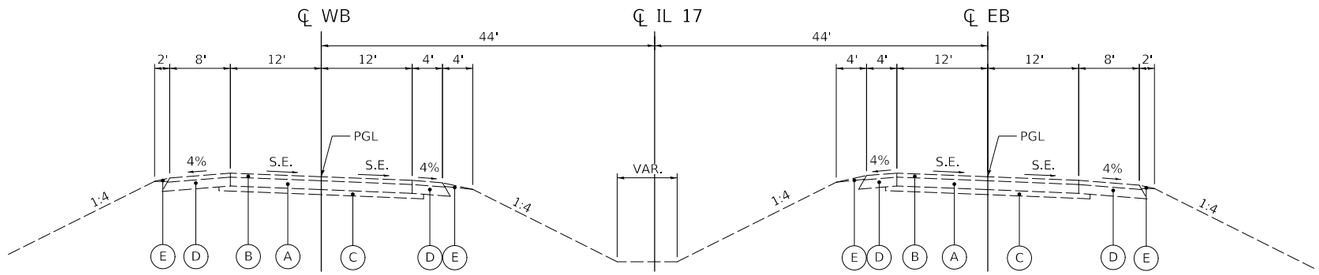
REV. 12/12/18 REV. 11/27/18 REV. 11/8/18

EXISTING LEGEND

- (A) EXISTING 7" CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
- (B) EXISTING 3.25" HMA SURFACE
- (C) EXISTING 4" STABILIZED SUB-BASE
- (D) EXISTING 11" HMA SHOULDER
- (E) EXISTING AGGREGATE SHOULDER

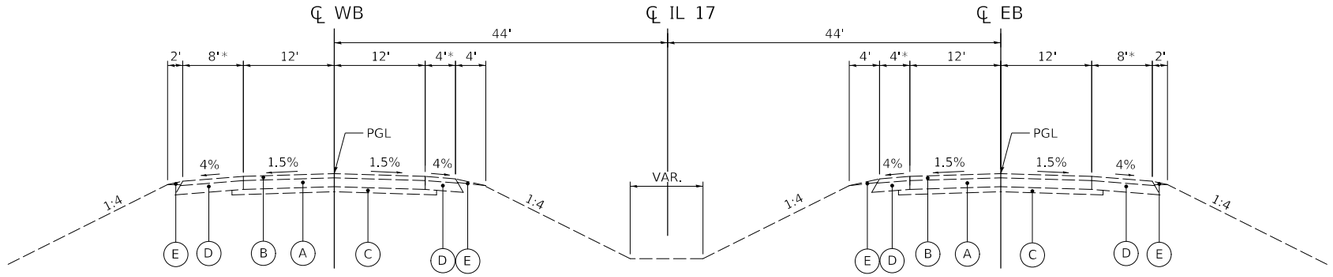
PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1.5"
- (2) LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 0.75"
- (3) HOT-MIX ASPHALT SHOULDERS, 11"
- (4) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (5) AGGREGATE SHOULDERS, TYPE B
- (6) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (7) SEEDING, SEE LANDSCAPING PLAN FOR TYPE



EXISTING TYPICAL SECTION

STA. 104+43.73 TO STA. 111+30 (S.E. = 0.02 FT/FT) RT
STA. 111+30 TO STA. 113+40 (S.E. TRANSITION)



EXISTING TYPICAL SECTION

* EXISTING SHOULDERS NARROW TO 3' WIDE AT THE BRIDGE

STA. 111+30 TO STA. 192+09.09
BRIDGE OMISSION STA. 113+97.89 TO STA. 115+14.89 (EB)
BRIDGE OMISSION STA. 115+00.93 TO STA. 116+17.93 (WB)

MODEL NAME = Default
FILE NAME = F:\3-308 IDOT\Std 33-1308\IL 17 Over Baker Creek\6_Drawings\C400_Sheets\0366F57_alt-typicalsign

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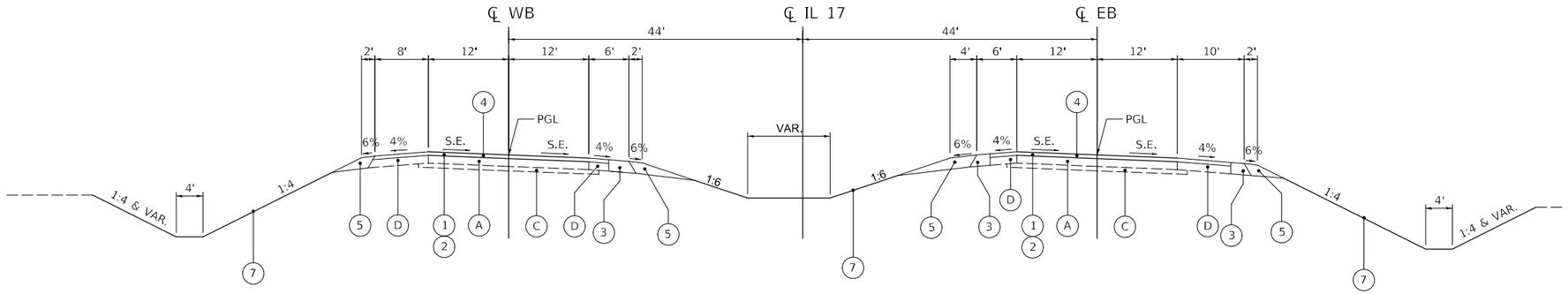
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

SCALE: N/A | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J1	KANKAKEE	114	11
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION

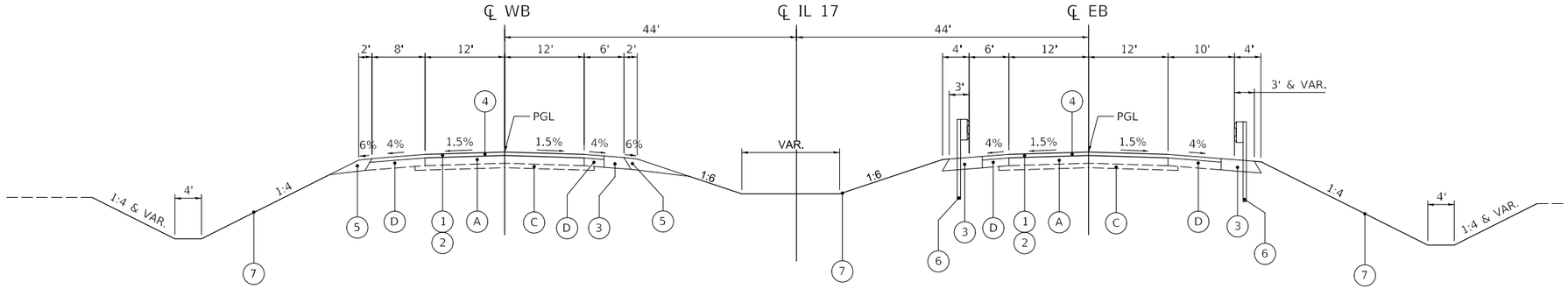
STA. 111+80 TO STA. 113+40 (S.E. TRANSITION)
(S.E. = 0.02 FT/FT) RT

EXISTING LEGEND

- (A) EXISTING 7" CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
- (B) EXISTING 3.25" HMA SURFACE
- (C) EXISTING 4" STABILIZED SUB-BASE
- (D) EXISTING 11" HMA SHOULDER
- (E) EXISTING AGGREGATE SHOULDER

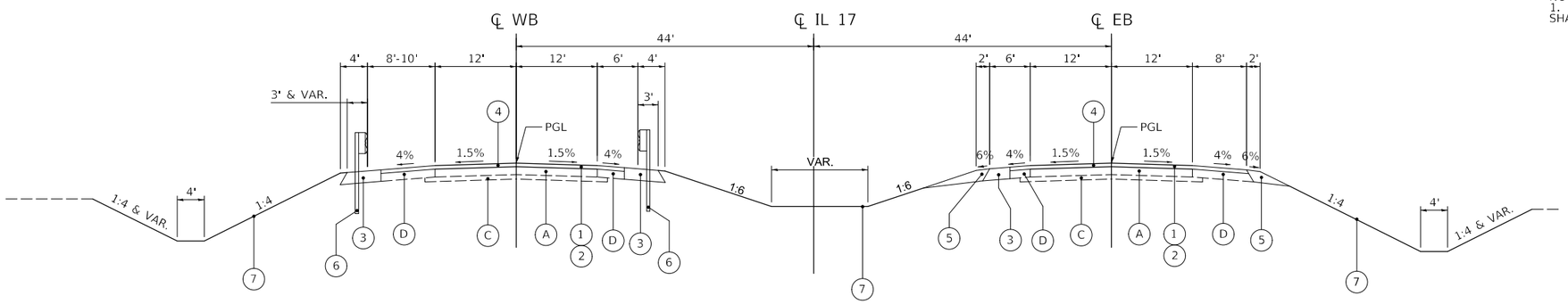
PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1.5"
- (2) LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 0.75"
- (3) HOT-MIX ASPHALT SHOULDERS, 11"
- (4) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (5) AGGREGATE SHOULDERS, TYPE B
- (6) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (7) SEEDING, SEE LANDSCAPING PLAN FOR TYPE



PROPOSED TYPICAL SECTION

STA. 111+40 TO STA 114+00.97 EB (℄ BRIDGE ABUT.)
STA. 111+40 TO STA 115+04.00 WB (℄ BRIDGE ABUT.)



PROPOSED TYPICAL SECTION

STA. 115+14.89 (℄ BRIDGE ABUT.) TO STA 120+00 EB
STA. 116+14.89 (℄ BRIDGE ABUT.) TO STA 120+00 WB
DITCH EXTENDS TO 122+00 EB, 121+85 WB

NOTES:
1. THE HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL SHALL BE WIDENED AT TERMINAL SECTIONS AS REQUIRED.

MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\03566F57.dft typical2.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: N/A | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	12
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

EARTHWORK									
STATION	LENGTH (FT)	EARTH EXCAVATION (CUT) (SQ FT)	TOPSOIL STRIP (6'' DEPTH) (SQ FT)	EMBANK. (FILL) (SQ FT)	TOPSOIL EXCAVATION AND PLACE (CU YD)	EARTH EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (20% SHRINKAGE) (CU YD)	EMBANK. (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
110+00.00		0	18	18					
	25.00				17.6	0.0	0.0	16.7	-16.7
110+25.00		0	20	18					
	25.00				18.1	0.9	0.7	16.7	-15.9
110+50.00		2	19	18					
	25.00				18.1	2.3	1.9	14.4	-12.5
110+75.00		3	20	13					
	25.00				19.4	3.2	2.6	10.2	-7.6
111+00.00		4	22	9					
	25.00				20.8	6.5	5.2	6.5	-1.3
111+25.00		10	23	5					
	25.00				21.8	12.0	9.6	5.6	4.1
111+50.00		16	24	7					
	25.00				22.7	19.4	15.6	3.2	12.3
111+75.00		26	25	0					
	25.00				9.8	5.4	4.3	7.5	-3.2
111+80.00		23	80	92					
	25.00				58.6	20.0	16.0	59.3	-43.3
111+98.95		32	81	81					
	25.00				81.0	31.8	25.5	76.2	-50.7
112+25.00		34	87	77					
	25.00				80.1	34.7	27.8	66.7	-38.9
112+50.00		41	86	67					
	25.00				79.2	31.0	24.8	69.4	-44.6
112+75.00		26	85	83					
	25.00				74.1	18.5	14.8	81.5	-66.7
113+00.00		14	75	93					
	25.00				69.0	14.4	11.5	83.3	-71.9
113+25.00		17	74	87					
	25.00				61.6	16.2	13.0	57.9	-44.9
113+50.00		18	59	38					
	25.00				55.1	16.7	13.3	36.6	-23.2
113+75.00		18	60	41					
	25.00				50.9	15.7	12.6	39.8	-27.2
114+00.00		16	50	45					
	25.00				45.8	19.0	15.2	40.7	-25.6
114+25.00		25	49	43					
	25.00				45.8	23.1	18.5	39.8	-21.3
114+50.00		25	50	43					
	25.00				39.8	24.5	19.6	39.4	-19.7
114+75.00		28	36	42					
	25.00				32.4	25.0	20.0	24.5	-4.5
115+00.00		26	34	11					
	25.00				28.7	28.2	22.6	6.0	16.6
115+25.00		35	28	2					
	25.00				25.5	28.2	22.6	0.9	21.7
115+50.00		26	27	0					
	25.00				32.9	20.4	16.3	0.0	16.3
115+75.00		18	44	0					
	25.00				40.7	10.2	8.1	0.5	7.7
116+00.00		4	44	1					
	25.00				47.7	5.6	4.4	1.9	2.6
116+25.00		8	59	3					
	25.00				55.1	8.8	7.0	5.6	1.5
116+50.00		11	60	9					
	25.00				64.8	10.6	8.5	48.1	-39.6
116+75.00		12	80	95					
	25.00				70.4	10.6	8.5	54.6	-46.1
117+00.00		11	72	23					
	25.00				67.1	8.8	7.0	26.4	-19.4
117+25.00		8	73	34					

EARTHWORK									
STATION	LENGTH (FT)	EARTH EXCAVATION (CUT) (SQ FT)	TOPSOIL STRIP (6'' DEPTH) (SQ FT)	EMBANK. (FILL) (SQ FT)	TOPSOIL EXCAVATION AND PLACE (CU YD)	EARTH EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (20% SHRINKAGE) (CU YD)	EMBANK. (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
					68.1	6.0	4.8	35.6	-30.8
117+50.00		5	74	43					
	25.00				69.9	5.1	4.1	44.4	-40.4
117+75.00		6	77	53					
	25.00				80.6	26.4	21.1	51.4	-30.3
118+00.00		51	97	58					
	25.00				82.9	52.3	41.9	34.7	7.1
118+25.00		62	82	17					
	25.00				77.3	81.0	64.8	14.8	50.0
118+50.00		113	85	15					
	25.00				49.1	52.3	41.9	14.4	27.5
118+75.00		0	21	16					
	25.00				9.7	0.0	0.0	7.4	-7.4
119+00.00		0	0	0					
	25.00				5.1	0.0	0.0	1.9	-1.9
119+25.00		0	11	4					
	25.00				46.3	21.3	17.0	7.4	9.6
119+50.00		46	89	12					
	25.00				80.1	32.9	26.3	16.7	9.6
119+75.00		25	84	24					
	25.00				77.3	24.1	19.3	27.3	-8.1
120+00.00		27	83	35					
	25.00				63.4	25.9	20.7	22.2	-1.5
120+25.00		29	54	13					
	25.00				48.6	41.2	33.0	9.3	23.7
120+50.00		60	51	7					
	25.00				45.8	43.1	34.4	4.2	30.3
120+75.00		33	48	2					
	25.00				44.4	33.3	26.7	2.8	23.9
121+00.00		39	48	4					
	25.00				44.0	34.7	27.8	5.6	22.2
121+25.00		36	47	8					
	25.00				43.1	31.9	25.6	9.3	16.3
121+50.00		33	46	12					
	25.00				42.1	28.7	23.0	12.0	10.9
121+75.00		29	45	14					
	25.00				31.0	13.4	10.7	13.9	-3.1
122+00.00		0	22	16					
				TOTAL	2,363.4	1,025.7	820.6	1,275.0	-454.4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	13
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

MODEL NAME = Default
FILE NAME = F:\3-1308 100T Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\D366F57-str-schedule-1.dgn

SEEDING AND EROSION CONTROL											
STATION	OFFSET	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	HEAVY DUTY EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
	(LT/RT)	(ACRE)	(LBS)	(LBS)	(LBS)	(SQ YD)	(SQ YD)	(LBS)	(FT)	(FT)	(EACH)
111+69	RT								12		
112+87	115' RT										1
114+26	LT								12		
115+17	114' RT										1
115+19	116' LT										1
116+67	RT								12		
117+89	125' LT										1
120+00	LT								12		
110+00 TO 113+25	RT					3,568					
110+00 TO 113+72	RT									398	
110+00 TO 114+26	RT	0.49	46	46	46			150			
111+80 TO 114+75	MEDIAN	0.28	27	27	27			95			
111+80 TO 114+75	MEDIAN					2,755					
111+80 TO 115+20	LT					5,036					
111+80 TO 116+47	LT	0.73	68	68	68			230			
112+62 TO 114+35	RT						1,313				
113+00 TO 115+27	LT									412	
114+03 TO 115+40	RT						1,214				
114+03 TO 122+00	RT	1.08	99	99	99			330			
114+40 TO 116+47	LT						2,210				
114+90 TO 122+00	RT									875	
115+00 TO 122+00	RT					9,290					
115+37 TO 120+00	MEDIAN	0.40	38	38	38			125			
115+37 TO 120+00	MEDIAN					3,874					
116+39 TO 118+03	LT						1,876				
116+39 TO 122+00	LT	0.89	82	82	82			270			
116+39 TO 122+00	LT									570	
117+33 TO 122+00	LT					7,205					
	TOTAL	4.00	360	360	360	31,728	6,612	1,200	48	2,255	4

TRAFFIC CONTROL ITEMS					
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTEN'S, TEMP (SEVERE USE, NARROW), TL 3	IMPACT ATTEN'S, REL (SEVERE USE, NARROW), TL 3	PINNING TEMPORARY CONCRETE BARRIER
	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)
STAGE 1	962.5		2		229
STAGE 2	12.5	975		2	83
TOTAL	975	975	2	2	312

MODEL NAME = Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	14
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

ROADSIDE REMOVAL ITEMS					
STATION	OFFSET (LT/RT)	TREE REMOVAL (6 TO 15 UNITS DIAMETER) (UNIT)	TREE REMOVAL (OVER 15 UNITS DIAMETER) (UNIT)	TREE TRUNK PROTECTION (EACH)	WOVEN WIRE FENCE REMOVAL (FOOT)
111+89 TO 113+02	RT				115
113+10	130' RT	7			
113+10	130' RT		16		
113+40	94' RT		15		
113+40	102' RT		15		
116+76 TO 117+76	LT				125
116+90	90' LT	10			
116+90	90' LT		16		
116+95	90' LT	6			
116+95	95' LT		19		
117+45	160' LT	8			
117+45	160' LT	8			
117+45	160' LT	9			
117+60	180' LT	6			
117+60	180' LT	8			
117+60	180' LT	7			
117+60	180' LT	10			
117+75	150' LT	12			
119+55	95' RT			1	
119+57	89' RT			1	
119+60	125' LT	8			
119+60	125' LT	10			
119+60	125' LT	10			
119+64	87' RT			1	
119+80	110' LT	8			
119+80	110' LT	8			
119+80	110' LT	6			
119+80	110' LT	8			
119+80	110' LT	8			
120+30	110' LT	8			
120+30	110' LT	8			
121+10	120' LT	10			
121+10	120' LT	10			
	TOTAL	193	81	3	240

REMOVAL OF PAVING MATERIALS				
STATION	OFFSET (LT/RT)	HMA SURFACE REMOVAL, 2¼" (SQ YD)	PAVEMENT REMOVAL (SQ YD)	PAVED SHOULDER REMOVAL SQ YD
109+00 TO 115+00	LT	267		
109+25 TO 111+80	RT	113		
109+25 TO 114+00	RT	211		
109+50 TO 111+80	LT	102		
111+80 TO 113+30	RT	562		
111+80 TO 114+38	LT	1049		
113+30 TO 113+84	RT			23
113+30 TO 114+16	RT		175	32
114+38 TO 114+87	LT			19
114+38 TO 115+23	LT		162	77
114+94 TO 115+78	RT		164	86
115+29 TO 115+78	RT			19
115+78 TO 120+00	RT	1844		
116+00 TO 120+90	LT	218		
116+01 TO 116+86	LT		172	38
116+31 TO 116+86	LT			22
116+86 TO 120+00	LT	1252		
118+41 TO 119+60	MEDIAN	409		
120+00 TO 120+90	LT	40		
120+00 TO 123+00	RT	133		
120+00 TO 123+69	RT	164		
	TOTAL	6,365	674	314

PAVEMENT MARKINGS														
STATION	OFFSET (LT/RT)	TEMP. PVMT MARKING - LINE 4" (WHITE) (FOOT)	TEMP. PVMT MARKING - LINE 4" (YELLOW) (FOOT)	THERM. PVMT MARKING - LINE 4" (WHITE) (FOOT)	THERM. PVMT MARKING - LINE 4" (YELLOW) (FOOT)	PREFORMED PLASTIC PVMT MARKING, TY B - LINE 4" (WHITE) (FOOT)	PREFORMED PLASTIC PVMT MARKING, TY B - LINE 4" (YELLOW) (FOOT)	PREFORMED PLASTIC PVMT MARKING, TY B - LINE 6" (WHITE) (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RAISED REFLECTIVE PVMT MARKER REMOVAL (EACH)	PVMT MARKING REMOVAL - WATER BLASTING (SQ FT)	TEMPORARY PAVEMENT MARKING REMOVAL (SQ FT)	GROOVING FOR RECESSED PAVEMENT MARKING 5" (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 7" (FOOT)
97+65 TO 113+30	RT			1,565	1,565									
97+65 TO 123+00	RT	2,535	2,535									1,690		
97+65 TO 123+69	RT	2,604	2,604					651	66	66	2,044	1,736	5,208	651
109+00 TO 114+38	LT			538	538									
109+00 TO 132+50	LT	2,350	2,350					588	59	59	1,845	1,567	4,700	588
109+50 TO 132+50	LT	2,300	2,300									1,533		
111+80 TO 120+00	RT													
111+80 TO 120+00	LT													
113+30 TO 115+78	RT					248	248							
114+38 TO 116+86	LT					248	248							
115+78 TO 123+69	RT			791	791									
116+86 TO 132+50	LT			1,564	1,564									
	TOTAL	9,789	9,789	4,458	4,458	496	496	1,239	125	125	3,889	6,526	9,908	1,239

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	15
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

PAVEMENT AND SHOULDERS									
STATION	OFFSET (LT/RT)	AGGREGATE SURFACE COURSE, TYPE B (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS (TON)	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (TON)	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB (TON)	AGGREGATE SHOULDERS, TYPE B (TON)	HOT-MIX ASPHALT SHOULDERS, 11" (SQ YD)
109+00 TO 115+00	LT		15	0.08	11.2	22.4			
109+25 TO 111+80	RT		6	0.03	4.8	9.5			
109+25 TO 114+00	RT		12	0.06	8.9	17.7			
109+50 TO 111+80	LT		6	0.03	4.3	8.6			
111+80 TO 112+08	RT							6.6	
111+80 TO 112+80	RT							47.1	
111+80 TO 113+30	RT		251	0.17	23.5	46.9			
111+80 TO 113+49	RT								102
111+80 TO 113+91	RT								129
111+80 TO 114+38	LT		462	0.31	43.2	86.3			
111+80 TO 114+48	LT							91.6	
111+80 TO 114+50	LT								53
111+80 TO 114+97	LT							74.6	
113+30 TO 113+89	RT						157		
114+38 TO 114+94	LT						144		
115+19 TO 118+47	RT							77.2	
115+21 TO 115+78	RT						144		
115+63 TO 118+46	RT								90
115+66 TO 118+49	RT							96.7	
115+78 TO 120+00	RT		758	0.55	70.7	141.4			
116+00 TO 120+90	LT		12	0.07	9.1	18.3			
116+25 TO 118+47	LT								111
116+27 TO 116+86	LT						157		
116+66 TO 118+10	LT								100
116+86 TO 120+00	LT		568	0.38	53.0	106.0			
117+42 TO 118+52	LT							51.8	
117+84 TO 118+70	LT							20.2	
118+41 TO 119+60	LT/RT			0.12					
118+47 TO 119+59	RT		62		5.8	11.6			
118+52 TO 119+46	RT		159		14.8	29.6			
118+95	LT	112							
119+20 TO 120+00	LT							18.8	
119+42 TO 120+00	RT							19.8	
119+46 TO 120+00	RT								16
119+56 TO 120+00	RT							10.4	
119+56 TO 120+00	LT							20.7	
119+56 TO 120+00	LT								10
120+00 TO 120+90	LT		2	0.01	1.7	3.4			
120+00 TO 123+00	RT		8	0.04	5.6	11.2			
120+00 TO 123+69	RT		9	0.05	6.9	13.8			
	TOTAL	112	2,330	2	263.4	526.8	602	535.5	610

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1I	KANKAKEE	114	16
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

GUARDRAIL ITEMS							
STATION	OFFSET (LT/RT)	SPBGR, TYPE A, 6 FT POSTS (FT)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TBT, TYPE 1 (SPECIAL) TANGENT (EACH)	GUARDRAIL REMOVAL (FT)	TERMINAL MARKER - DIRECT APPLIED (EACH)	GUARDRAIL REFLECTORS, TYPE A (EACH)
111+80 TO 113+77	RT				196		
112+19	RT			1		1	
112+34	RT			1		1	
112+69 TO 113+69	RT	100					4
112+70 TO 114+16	RT				150		
112+84 TO 113+22	RT	37.5					4
113+59	RT		1				
114+06	RT		1				
116+01 TO 117+46	LT				148		
116+10	LT		1				
116+36 TO 118+36	LT				200		
116+47 TO 117+47	LT	100					4
116+56	LT		1				
116+94 TO 117+31	LT	37.5					4
117+81	LT			1		1	
117+97	LT			1		1	
	TOTAL	275	4	4	694	4	16

ROADSIDE ITEMS			
STATION	OFFSET (LT/RT)	DELINEATORS (EACH)	WOVEN WIRE FENCE, 4' (FOOT)
110+34	RT	3	
111+05.09 TO 112+40.15	RT		132
114+85.57 TO 118+52.21	RT		367
116+82.16 TO 117+75.51	LT		113
118+34	RT	2	
119+50 TO 122+00	RT		250
119+65	LT	2	
127+65	LT	3	
	TOTAL	10	862

DRAINAGE ITEMS													
STATION	OFFSET (LT/RT)	CONCRETE HEADWALL REMOVAL (EACH)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24'' (EACH)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30'' (EACH)	METAL FLARED END SECTIONS 24'' (EACH)	PIPE CULVERTS, CL A, TY 2 24'' (FOOT)	PIPE CULVERTS, CL A, TY 2 30'' (FOOT)	PIPE CULVERTS, CL D, TY 2 24'' (FOOT)	STORM SEWER REMOVAL 12'' (FOOT)	STORM SEWER REMOVAL 24'' (FOOT)	FLAP GATE 24'' (EACH)	FLAP GATE 30'' (EACH)	FLAP GATE PROT. BOX, TY 1 FRAME, OPEN LID (EACH)
112+89	100' RT	1											
112+89 TO 113+20	RT									47			
112+90	116' RT		1										
112+90 TO 113+01	RT					13							
113+03	RT										1		1
113+06 TO 113+15	RT					11							
113+15	129' RT		1										
114+75	80' RT			1									
114+75 TO 114+89	RT						18						
114+85 TO 115+21	RT									59			
114+91	RT											1	1
114+93 TO 115+14	RT						28						
115+14	113' RT			1									
115+17	LT								10				
115+19	115' LT			1									
115+19 TO 115+35	LT						28						
115+20	115' RT	1											
115+20 TO 115+48	LT									44			
115+21	111' LT	1											
115+36	LT											1	1
115+38 TO 115+46	LT						15						
115+46	75' LT			1									
117+46 TO 117+88	LT									65			
117+49	170' LT		1										
117+49 TO 117+65	LT					25							
117+67	LT										1		1
117+68 TO 117+87	LT					28							
117+87	127' LT		1										
117+89	127' LT	1											
118+43	121' LT				1								
118+43 TO 119+47	LT							104					
118+64 TO 119+34	LT									70			
118+67	0' RT	1	1										
119+35	0' RT	1	1										
119+47	117' LT				1								
	TOTAL	6	6	4	2	77	89	104	10	285	2	2	4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	17
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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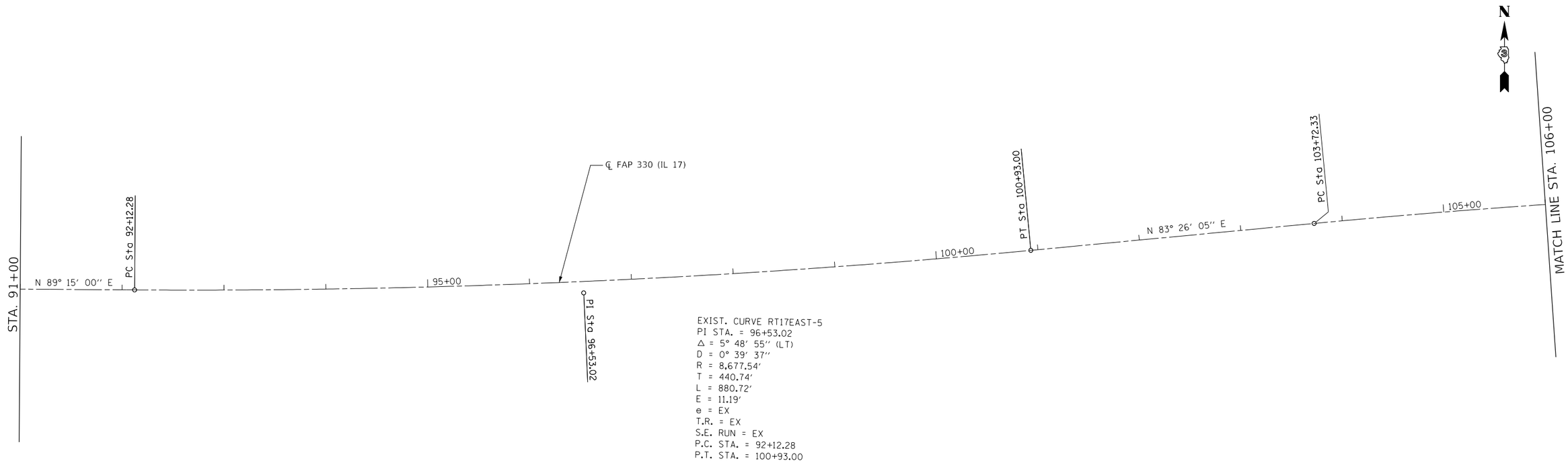

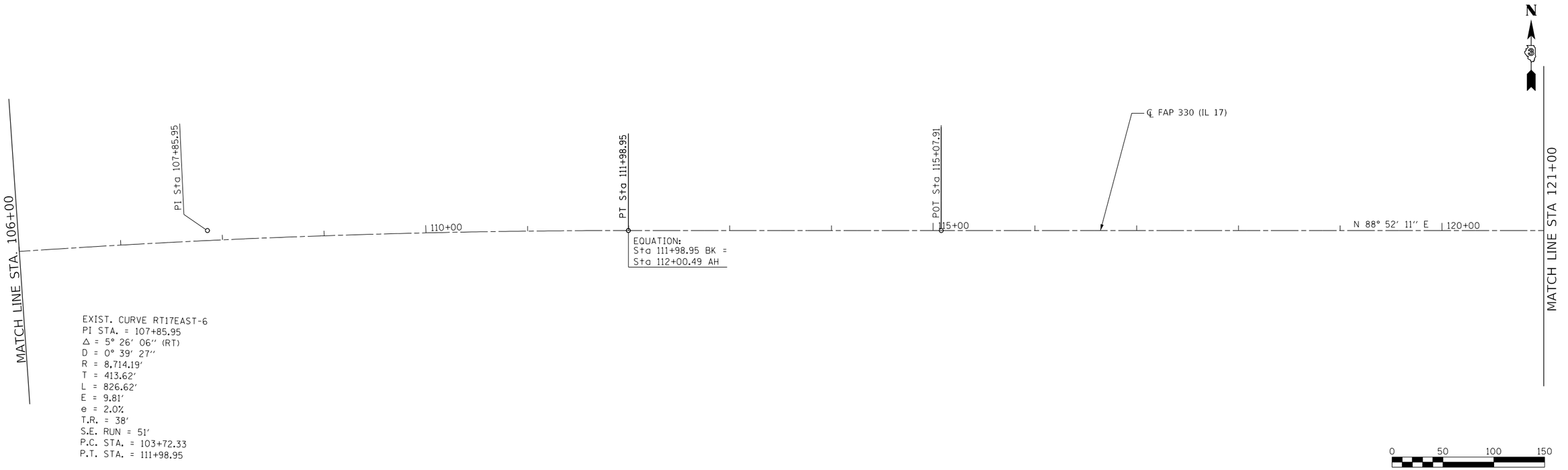

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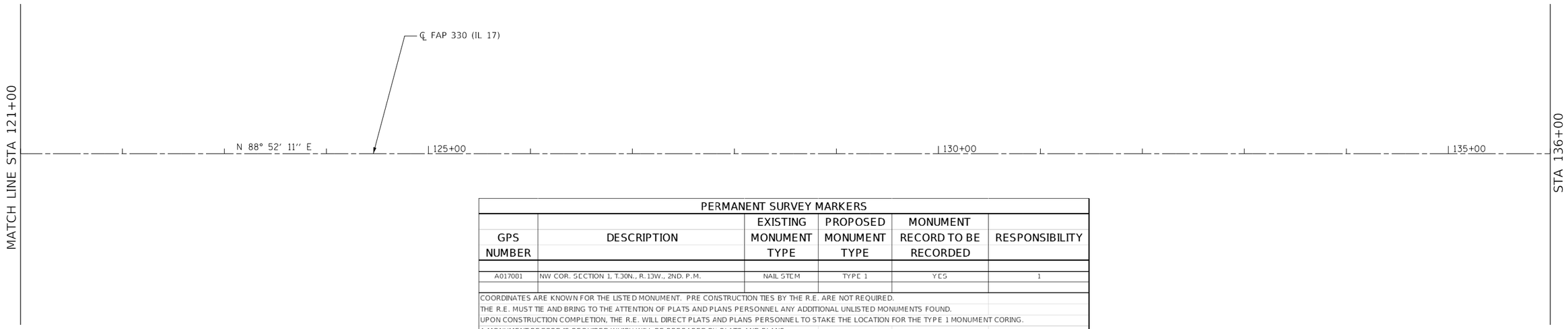
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED - $REV4$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: 1″=50′ | SHEET 1 OF 2 SHEETS | STA. 91+00 TO STA. 121+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	18
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		



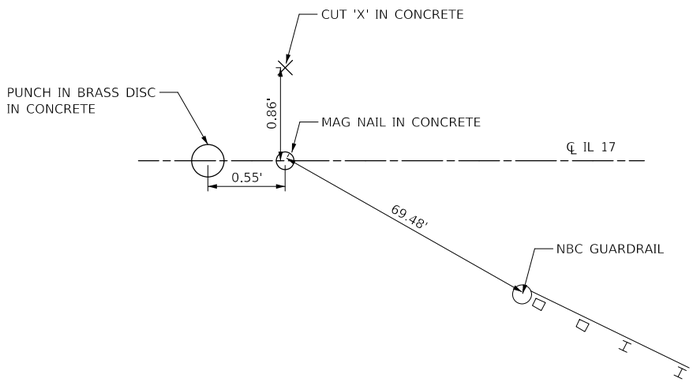
PERMANENT SURVEY MARKERS

GPS NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
A017001	NW COR. SECTION 1, T.30N., R.13W., 2ND. P.M.	NAIL STEM	TYPE 1	YES	1

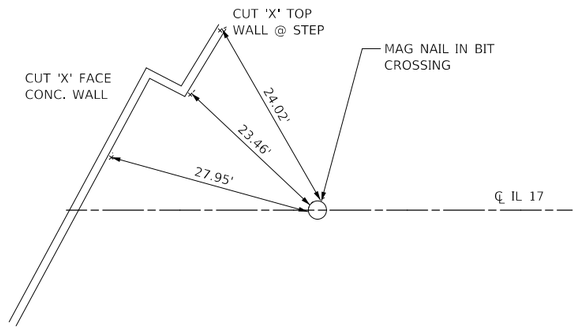
COORDINATES ARE KNOWN FOR THE LISTED MONUMENT. PRE CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED.
THE R.E. MUST TIE AND BRING TO THE ATTENTION OF PLATS AND PLANS PERSONNEL ANY ADDITIONAL UNLISTED MONUMENTS FOUND.
UPON CONSTRUCTION COMPLETION, THE R.E. WILL DIRECT PLATS AND PLANS PERSONNEL TO STAKE THE LOCATION FOR THE TYPE 1 MONUMENT CORING.
A MONUMENT RECORD IS REQUIRED WHICH WILL BE PREPARED BY PLATS AND PLANS.

RESPONSIBILITY:
1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)
2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

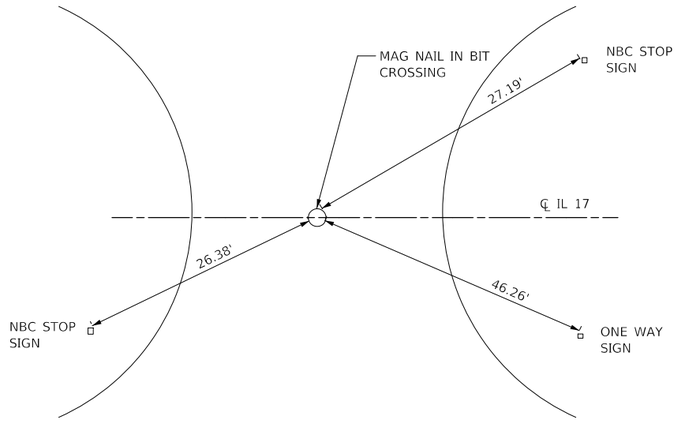
PT 111+98.95 BK = 112+00.49 AH



POT 116+00.00



POT 119+00.00



TIE POINTS

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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED - $REV4$	

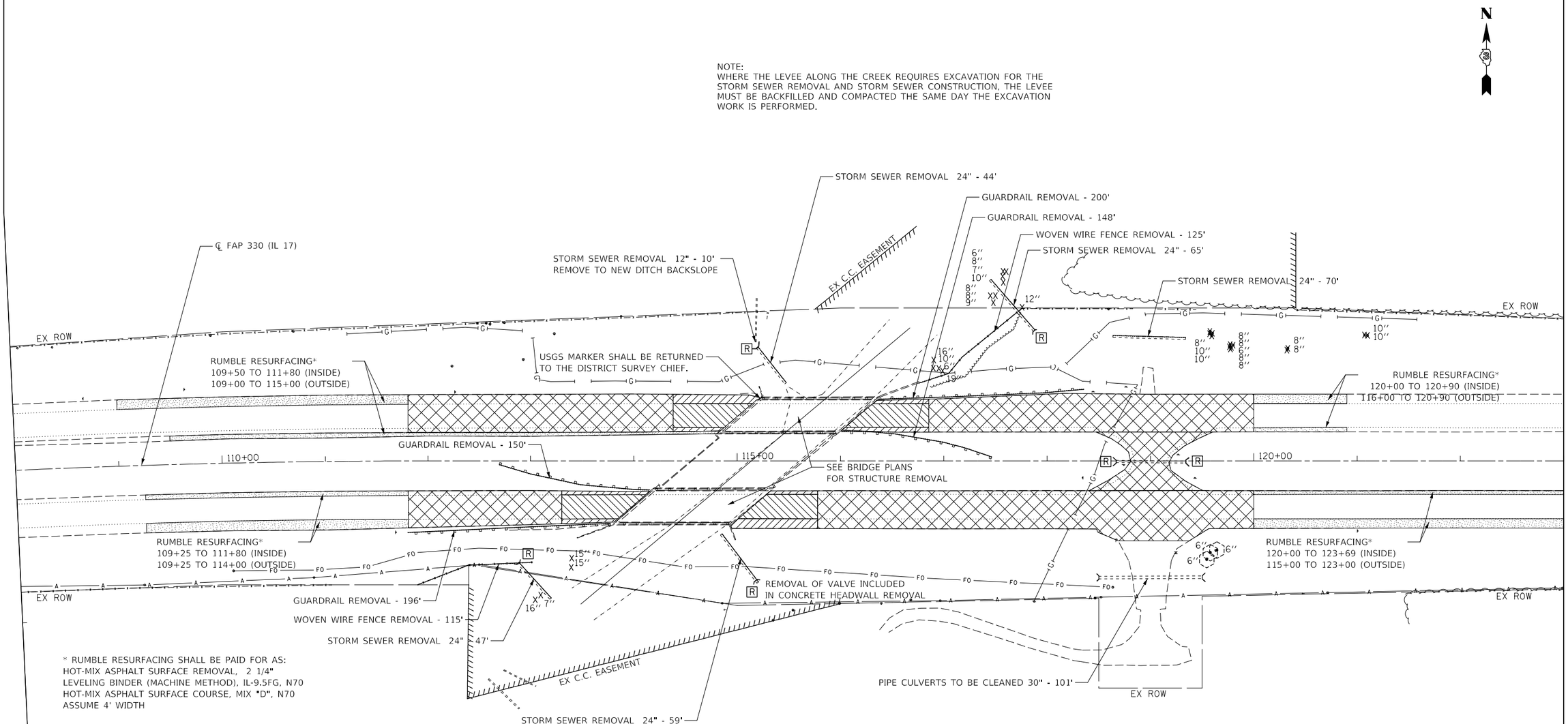
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 121+00 | TO STA. 136+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	19
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

NOTE:
WHERE THE LEVEE ALONG THE CREEK REQUIRES EXCAVATION FOR THE STORM SEWER REMOVAL AND STORM SEWER CONSTRUCTION, THE LEVEE MUST BE BACKFILLED AND COMPACTED THE SAME DAY THE EXCAVATION WORK IS PERFORMED.



* RUMBLE RESURFACING SHALL BE PAID FOR AS:
HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
ASSUME 4' WIDTH

ROADWAY REMOVAL LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- RUMBLE STRIP RESURFACING
- PAVED SHOULDER REMOVAL
- LINEAR REMOVALS
- X (SIZE") — TREE REMOVAL
- (SIZE") — TREE TRUNK PROTECTION (TTP) DIA. IN INCHES

DRAINAGE REMOVAL LEGEND

- EX. INLET
- EX. CATCH BASIN
- EX. MANHOLE
- EX. STORM SEWER
- G — EX. GAS MAIN
- FO — EX. FIBER OPTIC
- EX. CONC. HEADWALL
- EX. DITCH
- EX. SWALE
- STORM SEWER REMOVAL
- R — CONCRETE HEADWALL REMOVAL

0 50 100 150
SCALE IN FEET

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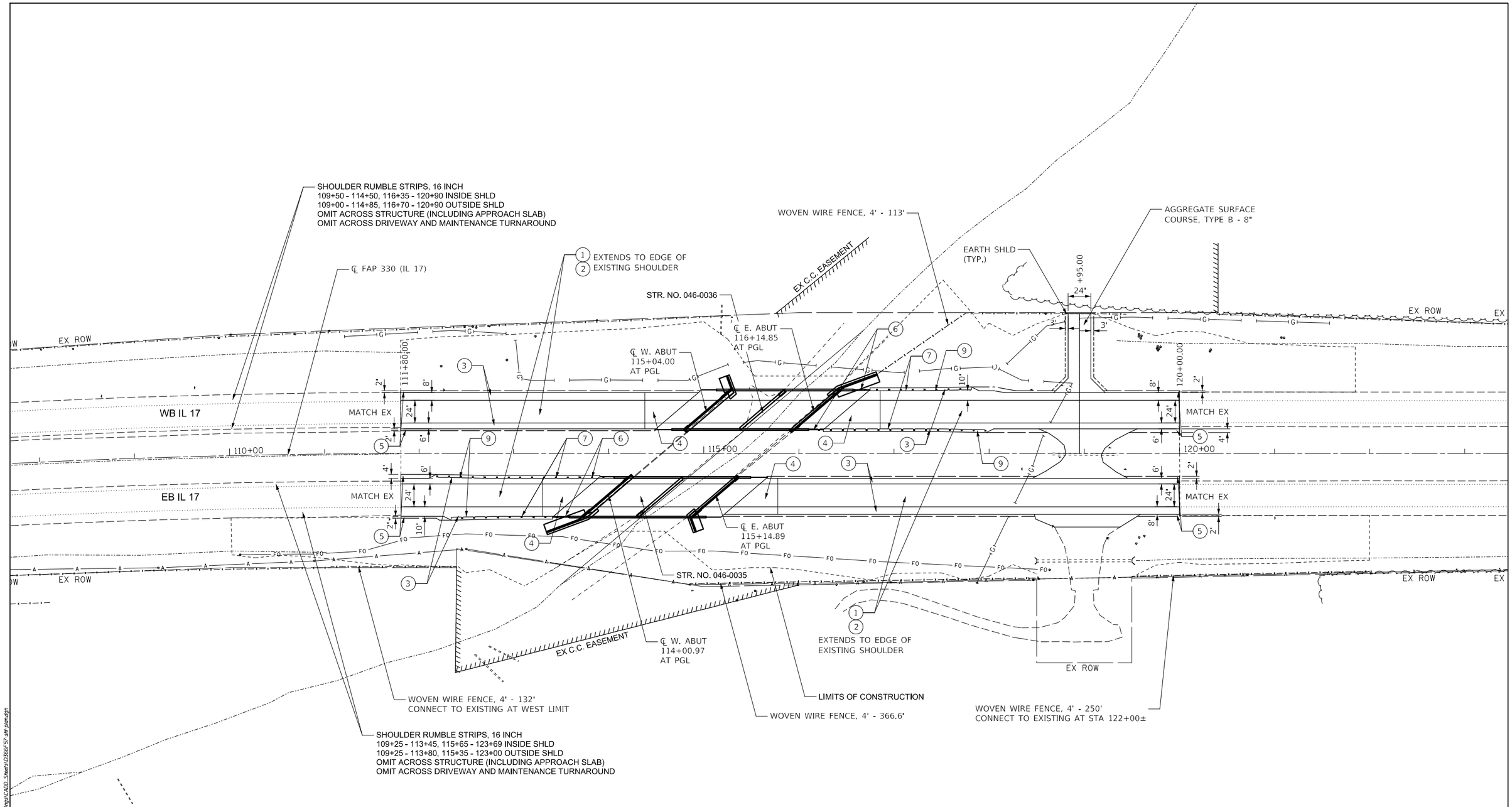
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN AND REMOVALS

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 108+00 TO STA. 123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1(R)BR-1)1	KANKAKEE	114	20
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



PROPOSED ROADWAY LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1.5"
2. LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 0.75"
3. HOT-MIX ASPHALT SHOULDERS, 11"
4. PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
5. AGGREGATE SHOULDERS, TYPE B
6. TRAFFIC BARRIER TERMINAL, TYPE 6
7. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
8. NOT USED
9. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
10.

GUARDRAIL LENGTH OF NEED

EB #1: STA. 112+33.90 (RT) TO STA. 113+58.90 (RT) = 125.00 FT
EB #2: STA. 112+18.19 (RT) TO STA. 114+05.69 (RT) = 187.50 FT
WB #1: STA. 117+81.96 (LT) TO STA. 116+56.96 (LT) = 125.00 FT
WB #2: STA. 117+97.63 (LT) TO STA. 116+10.13 (LT) = 187.50 FT

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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY PLAN

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 108+00 TO STA. 123+00

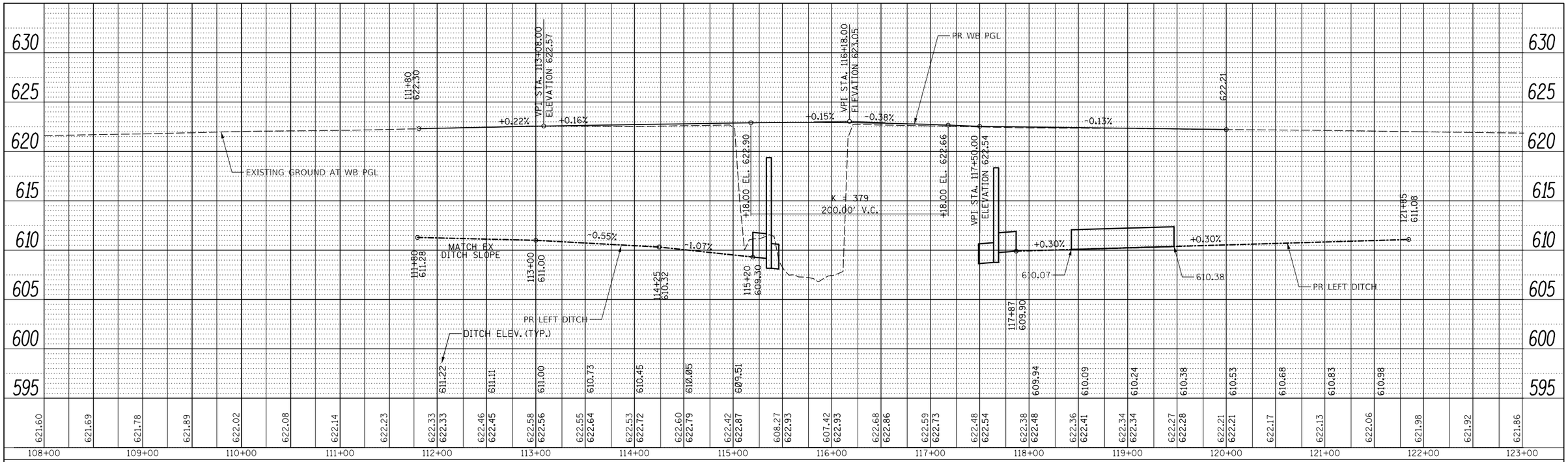
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	21
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

PLAN

BY	DATE

SURVEYED
PLOTTED
DRAWING CHECKED
R/T. OF WAY CHECKED
CADD FILE NAME

NOTE BOOK
NO.

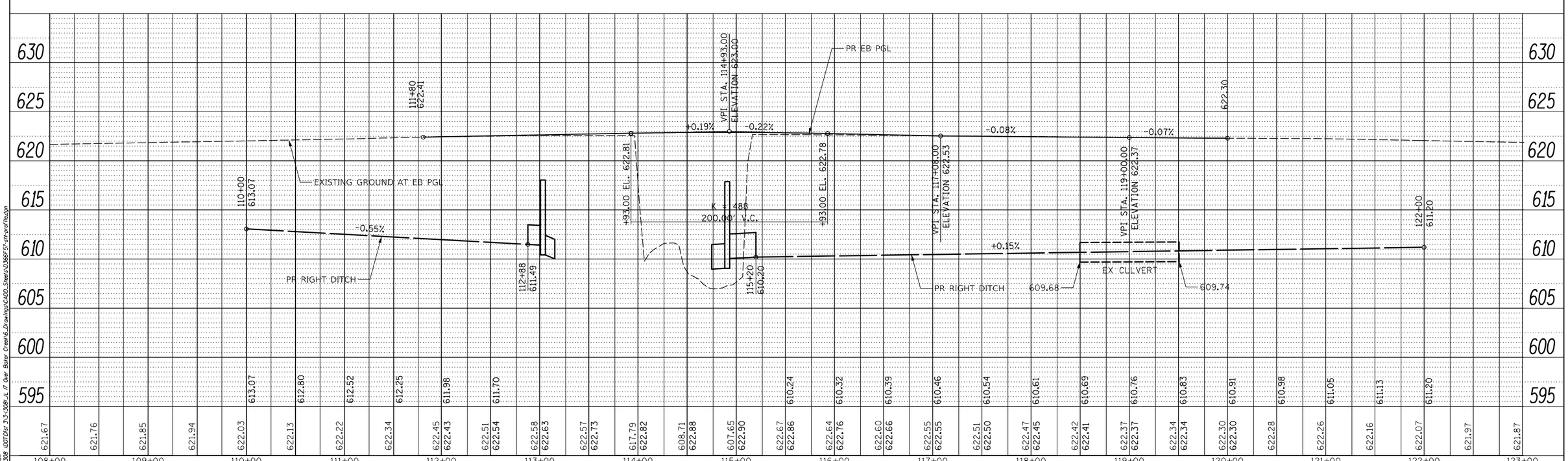


PROFILE

BY	DATE

SURVEYED
PLOTTED
DRAWING CHECKED
R/T. OF WAY NOTATNS CHKD
STRUCTURE NOTATNS CHKD

NOTE BOOK
NO.



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PLOT SCALE = 100.0000 ' / in.	CHECKED - LA	REVISED -	
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILES

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 108+00 TO STA. 123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	22
		CONTRACT NO. 66F57		
		ILLINOIS FED. AID PROJECT		

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE TEMPORARY BARRIER WALL IS CALLED OUT AT THE EDGE OF THE BARRIER WALL.

2. WIDTH RESTRICTION AHEAD SIGNS TO BE PLACED AT I-57 FOR EASTBOUND TRAFFIC, AND AT IL 1 FOR WESTBOUND TRAFFIC.

MAINTENANCE OF TRAFFIC IL–17
SEQUENCE OF CONSTRUCTION

PRE-STAGE

CONSTRUCTION:
-INSTALL EROSION AND SEDIMENT CONTROL
-TREE REMOVAL
-RUMBLE RESURFACING FOR STAGE 1, 2 LANE SHIFTS

TRAFFIC:
-OFF PEAK LANE CLOSURES PER HWY STD 701421
(NOT SHOWN IN PLANS)

STAGE 1

CONSTRUCTION:
-REMOVE INSIDE 1/2 OF EXISTING BRIDGE
-CONSTRUCT INSIDE 1/2 OF PROPOSED BRIDGE
-CONSTRUCT INSIDE 1/2 OF APPROACH SLAB
-CONSTRUCT DRAINAGE ITEMS
-RESURFACE ROADWAY
-CONSTRUCT GUARDRAIL AND APPURTENANCES

TRAFFIC:
-INSIDE SINGLE LANE CLOSURE PER HWY STD 701423
-MAINTENANCE TURNAROUND AT 119+00 CLOSED

STAGE 2

CONSTRUCTION:
-REMOVE OUTSIDE 1/2 OF EXISTING BRIDGE
-CONSTRUCT WIDENED ABUTMENTS, WINGWALLS AND PIERS (OUTSIDE)
-CONSTRUCT OUTSIDE 1/2 OF PROPOSED BRIDGE
-CONSTRUCT OUTSIDE 1/2 OF APPROACH SLAB
-CONSTRUCT DRAINAGE ITEMS
-RESURFACE ROADWAY
-CONSTRUCT GUARDRAIL AND APPURTENANCES

TRAFFIC:
-OUTSIDE SINGLE LANE CLOSURE PER HWY STD 701423
-MAINTENANCE TURNAROUND AT 119+00 CLOSED

STAGE 3

CONSTRUCTION:
-RESURFACE REMAINING ROADWAY NOT COMPLETED IN STAGE 1 OR 2
-PAVEMENT MARKINGS
-PUNCHLIST
-CLEANUP

TRAFFIC:
-OFF PEAK LANE CLOSURES PER HWY STD 701421
(NOT SHOWN IN PLANS)

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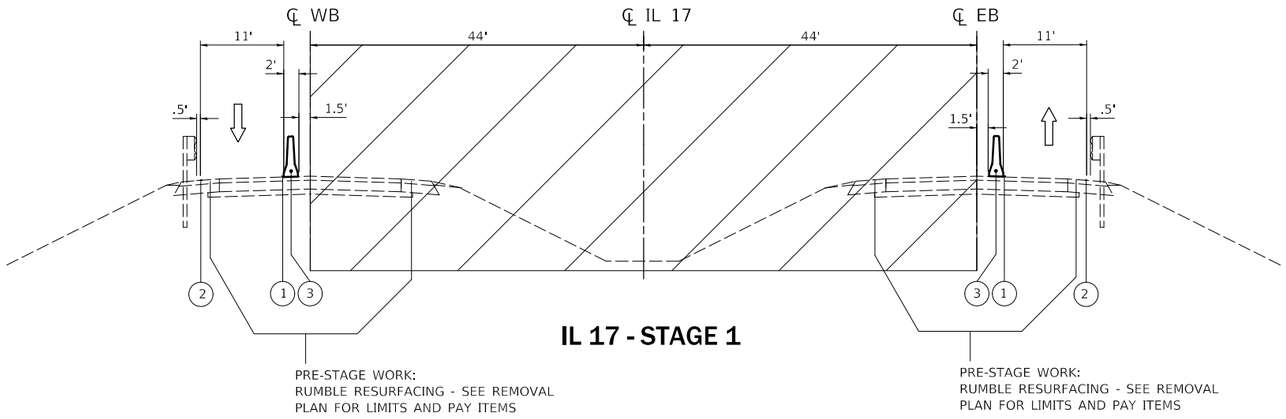
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL – GENERAL NOTES

SCALE: 1"=50' | SHEET 1 OF 8 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	23
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



IL 17 - STAGE 1

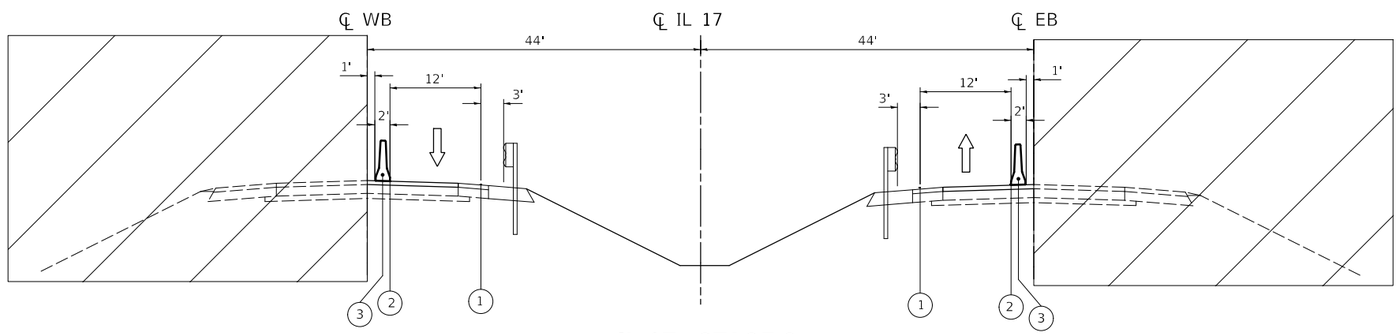
PRE-STAGE WORK:
RUMBLE RESURFACING - SEE REMOVAL PLAN FOR LIMITS AND PAY ITEMS

PRE-STAGE WORK:
RUMBLE RESURFACING - SEE REMOVAL PLAN FOR LIMITS AND PAY ITEMS

MAINTENANCE OF TRAFFIC LEGEND

1. TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
2. TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
3. TEMPORARY CONCRETE BARRIER (PINNED IN WORK AREA IN STAGE 1 & 2, SEE BRIDGE PLANS FOR ANCHORING DETAILS ON NEW DECK)

WORK ZONE



IL 17 - STAGE 2

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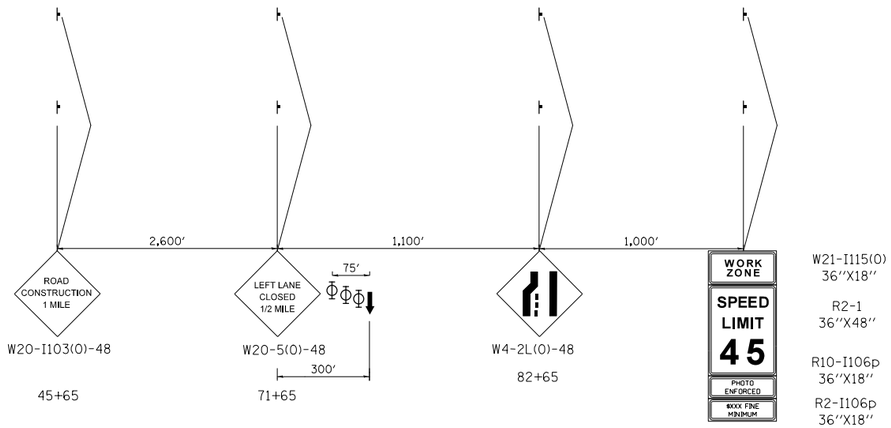
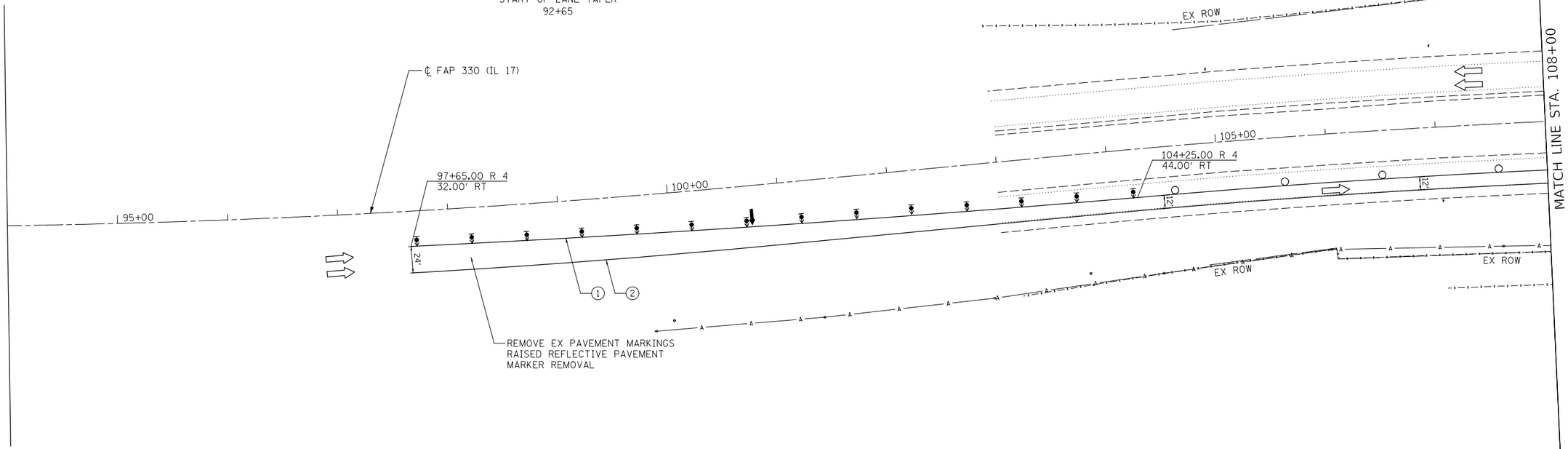
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL – TYPICAL SECTIONS

SCALE: 1"=50' | SHEET 2 OF 8 SHEETS | STA. N/A | TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	24
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		





MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- EXISTING SIGN
- PROPOSED SIGN
- REMOVE EXISTING SIGN (SEE SIGNING PLANS FOR DETAILS)
- TRAFFIC FLOW
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- IMPACT ATTENUATOR, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 1
  IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 2
- COMPLETED CONSTRUCTION
- VERTICAL PANEL
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- (3) TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFELCTOR (PINNED IN WORK AREA IN STAGE 1 & 2, SEE BRIDGE PLANS FOR ANCHORING DETAILS ON NEW DECK)

NOTE:
THE ARROW ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES MUST BE COVERED OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL STANDARD.

0 50 100 150
SCALE IN FEET

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DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL – STAGE 1

SCALE: 1"=50' | SHEET 3 OF 8 SHEETS | STA. 88+00 TO STA. 108+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	25
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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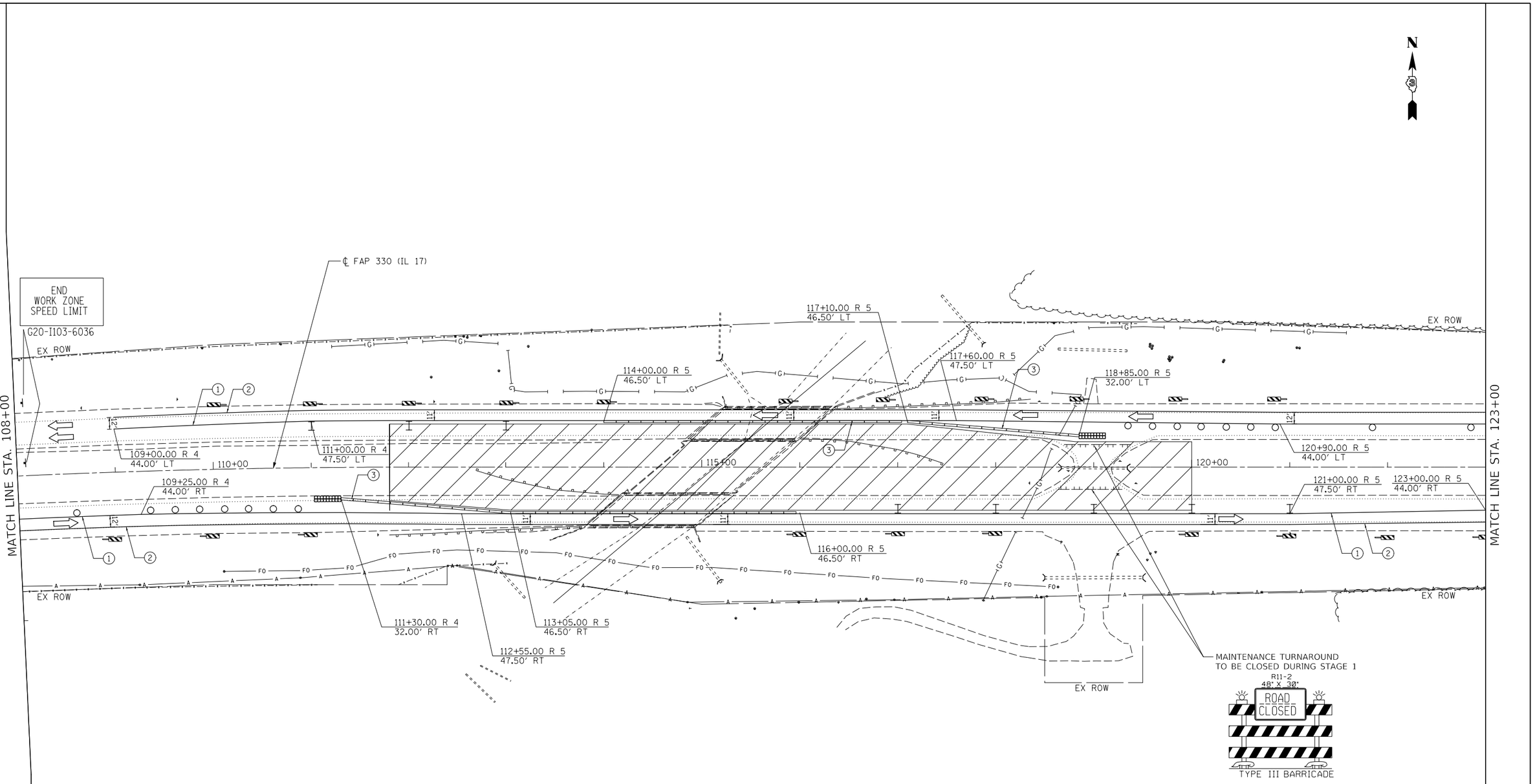

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- EXISTING SIGN
- PROPOSED SIGN
- REMOVE EXISTING SIGN (SEE SIGNING PLANS FOR DETAILS)
- TRAFFIC FLOW
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- IMPACT ATTENUATOR, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 1
  IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 2
- COMPLETED CONSTRUCTION
- VERTICAL PANEL

1. TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
2. TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
3. TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFELCTOR (PINNED IN WORK AREA IN STAGE 1 & 2, SEE BRIDGE PLANS FOR ANCHORING DETAILS ON NEW DECK)

NOTE:
THE ARROW ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES MUST BE COVERED OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL STANDARD.

0 50 100 150
SCALE IN FEET

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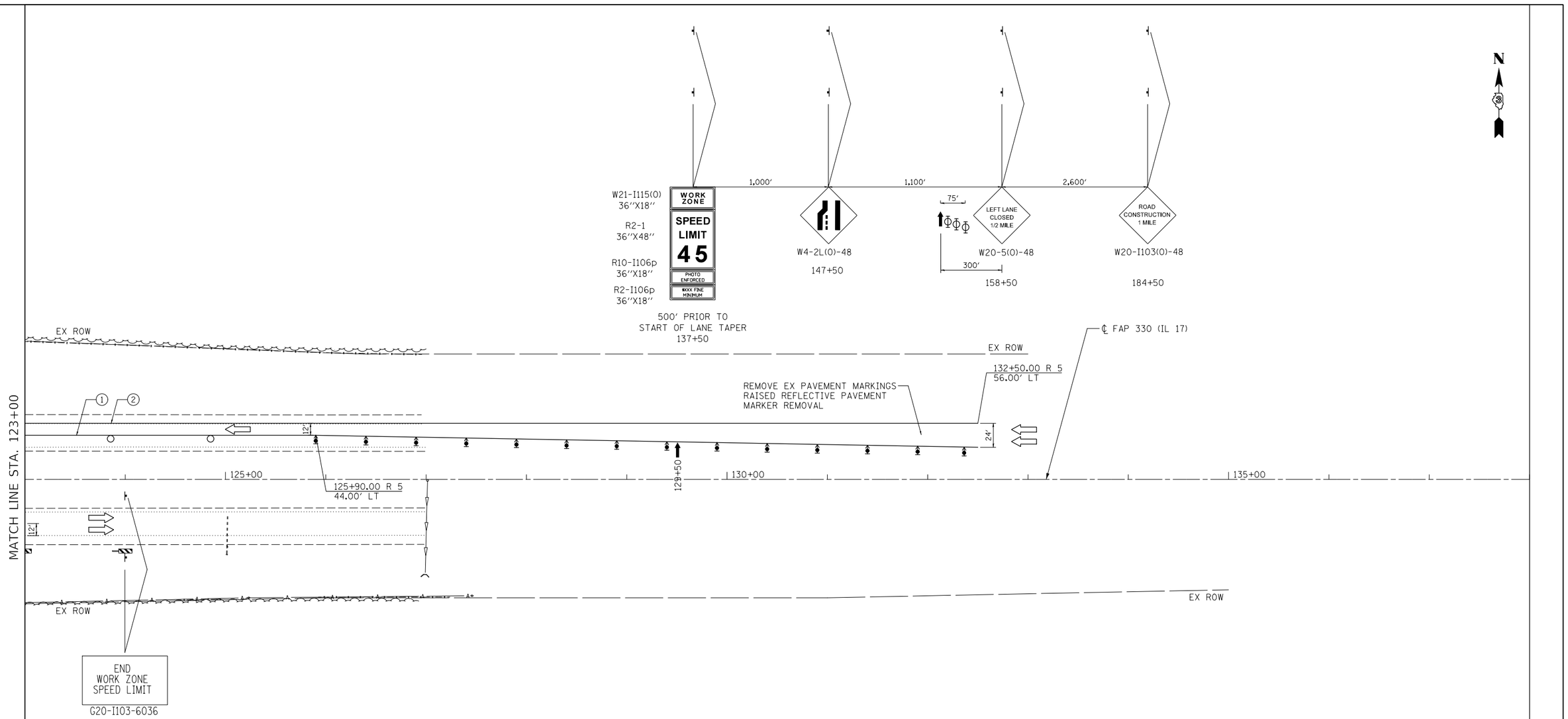
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL – STAGE 1

SCALE: 1"=50' | SHEET 4 OF 8 SHEETS | STA. 108+00 TO STA. 123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1I1	KANKAKEE	114	26
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- EXISTING SIGN
- PROPOSED SIGN
- REMOVE EXISTING SIGN (SEE SIGNING PLANS FOR DETAILS)
- TRAFFIC FLOW
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- IMPACT ATTENUATOR, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 1
  IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 2
- COMPLETED CONSTRUCTION
- VERTICAL PANEL
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
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NOTE:
THE ARROW ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES MUST BE COVERED OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL STANDARD.

0 50 100 150
SCALE IN FEET

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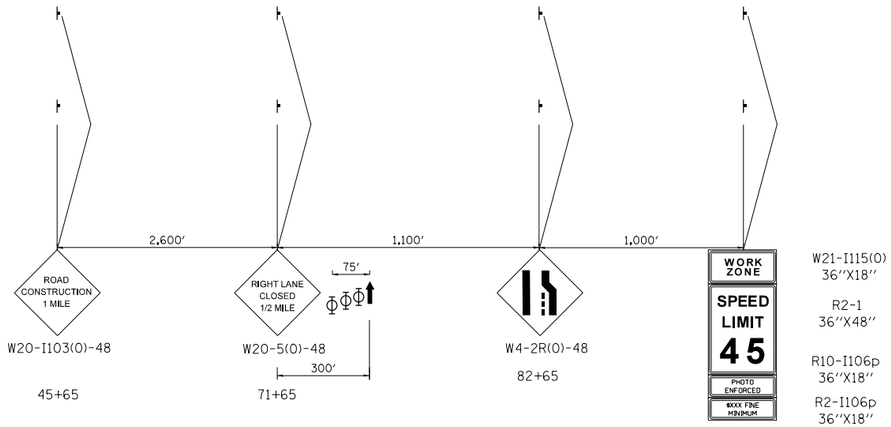
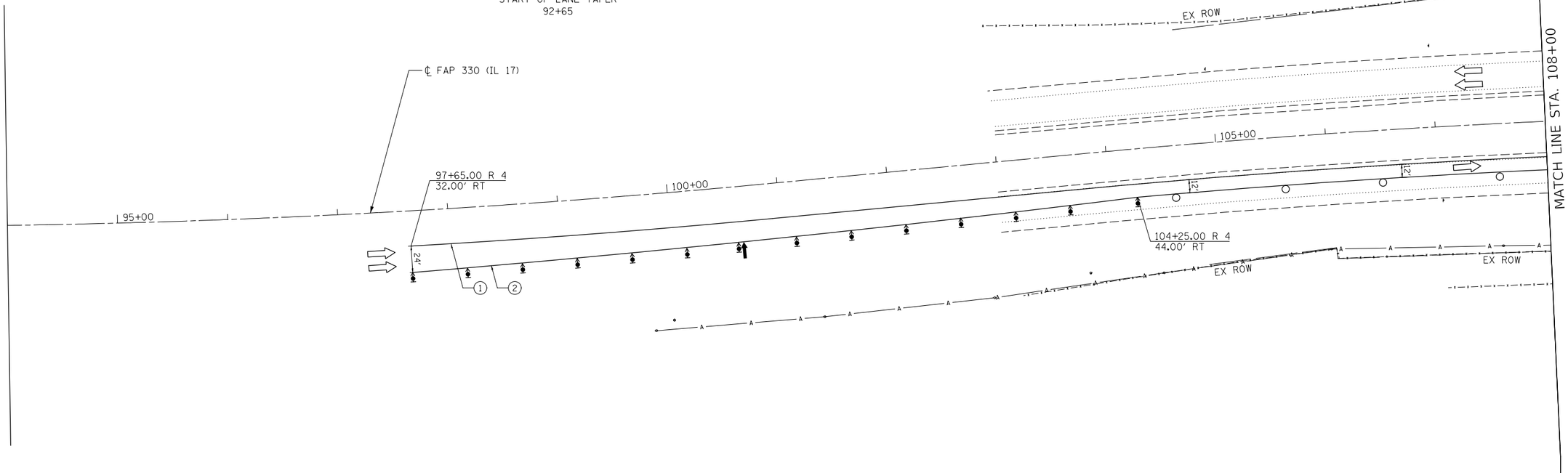
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL – STAGE 1

SCALE: 1"=50' | SHEET 5 OF 8 SHEETS | STA. 123+00 TO STA. 138+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	27
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			





MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- EXISTING SIGN
- PROPOSED SIGN
- REMOVE EXISTING SIGN (SEE SIGNING PLANS FOR DETAILS)
- TRAFFIC FLOW
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- IMPACT ATTENUATOR, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 1
  IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 2
- COMPLETED CONSTRUCTION
- VERTICAL PANEL
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
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NOTE:
THE ARROW ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES MUST BE COVERED OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL STANDARD.

0 50 100 150
SCALE IN FEET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL – STAGE 2

SCALE: 1"=50' | SHEET 6 OF 8 SHEETS | STA. 88+00 TO STA. 108+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J	KANKAKEE	114	28
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

MODEL NAME - Default
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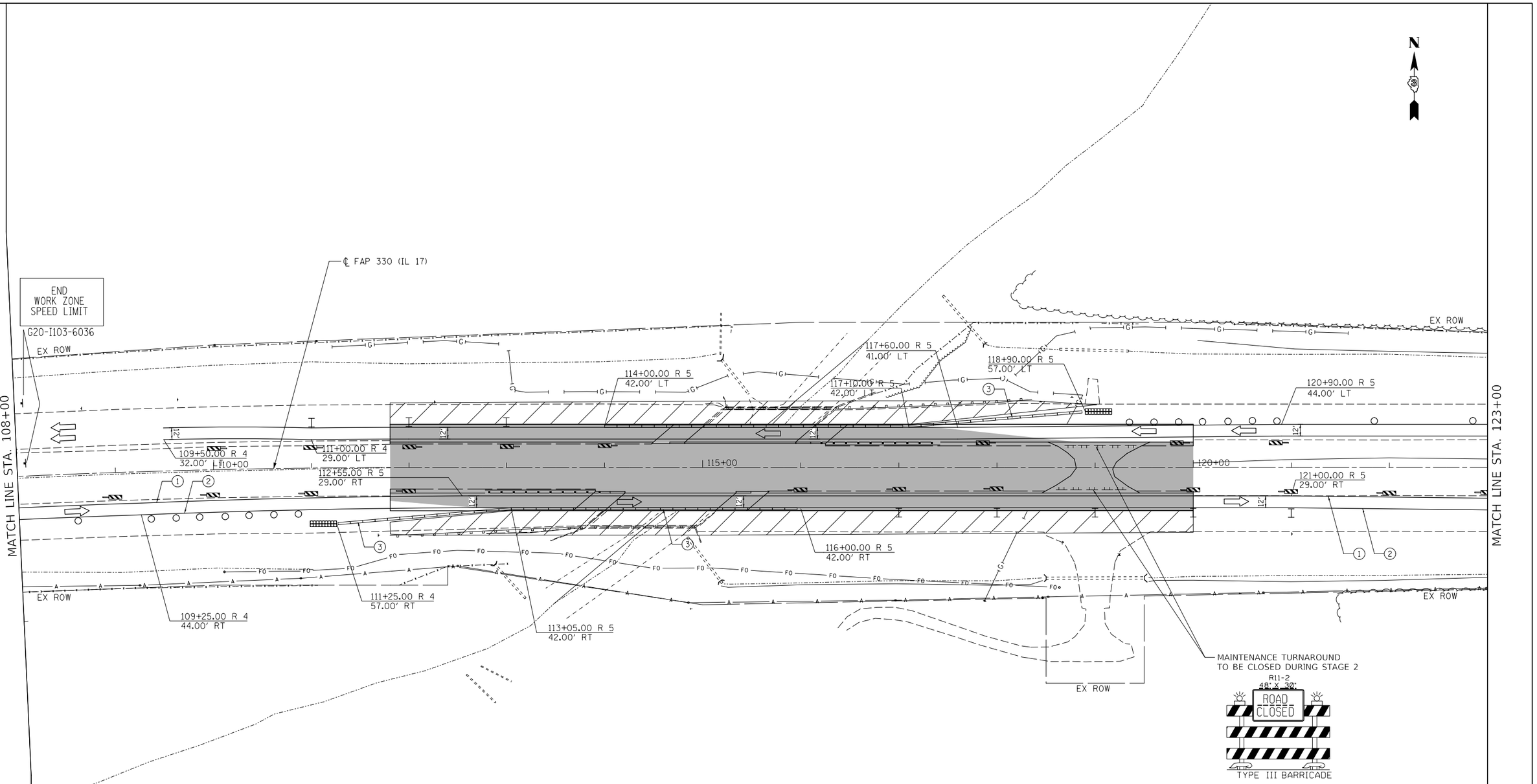

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- EXISTING SIGN
- PROPOSED SIGN
- REMOVE EXISTING SIGN (SEE SIGNING PLANS FOR DETAILS)
- TRAFFIC FLOW
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- IMPACT ATTENUATOR, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 1
  IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 2
- COMPLETED CONSTRUCTION
- VERTICAL PANEL

1. TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
2. TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
3. TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFELCTOR (PINNED IN WORK AREA IN STAGE 1 & 2, SEE BRIDGE PLANS FOR ANCHORING DETAILS ON NEW DECK)

NOTE:
THE ARROW ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES MUST BE COVERED OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL STANDARD.

0 50 100 150
SCALE IN FEET

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STATE OF ILLINOIS
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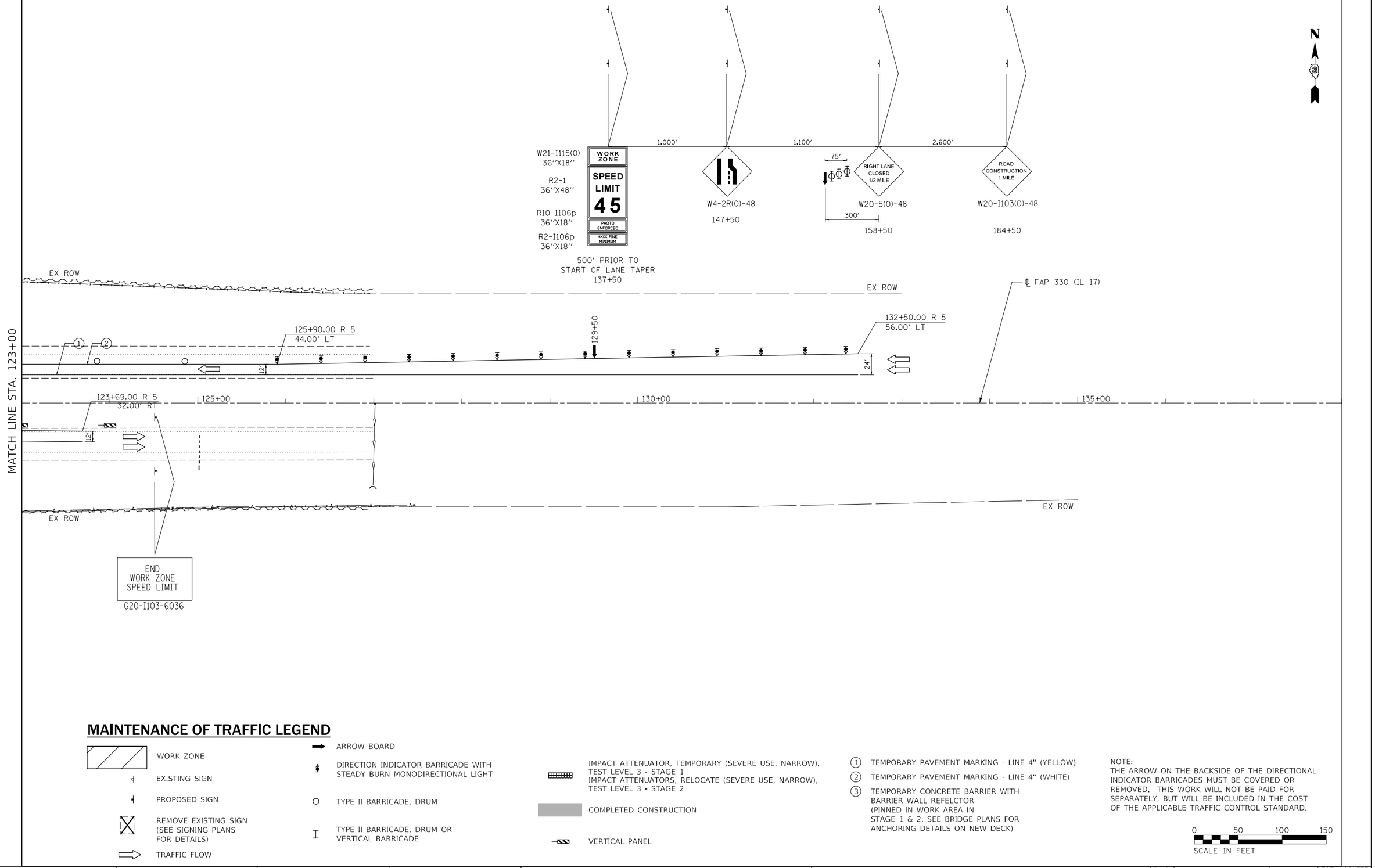
STAGES OF CONSTRUCTION AND TRAFFIC CONTROL – STAGE 2

SCALE: 1"=50' | SHEET 7 OF 8 SHEETS | STA. 108+00 TO STA. 123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1(R)BR-1)1	KANKAKEE	114	29
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- EXISTING SIGN
- PROPOSED SIGN
- REMOVE EXISTING SIGN (SEE SIGNING PLANS FOR DETAILS)
- TRAFFIC FLOW
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- IMPACT ATTENUATOR, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 1
  IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3 - STAGE 2
- COMPLETED CONSTRUCTION
- VERTICAL PANEL
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- (3) TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFELCTOR (PINNED IN WORK AREA IN STAGE 1 & 2, SEE BRIDGE PLANS FOR ANCHORING DETAILS ON NEW DECK)

NOTE:
THE ARROW ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES MUST BE COVERED OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL STANDARD.

0 50 100 150
SCALE IN FEET

MODEL NAME = Default
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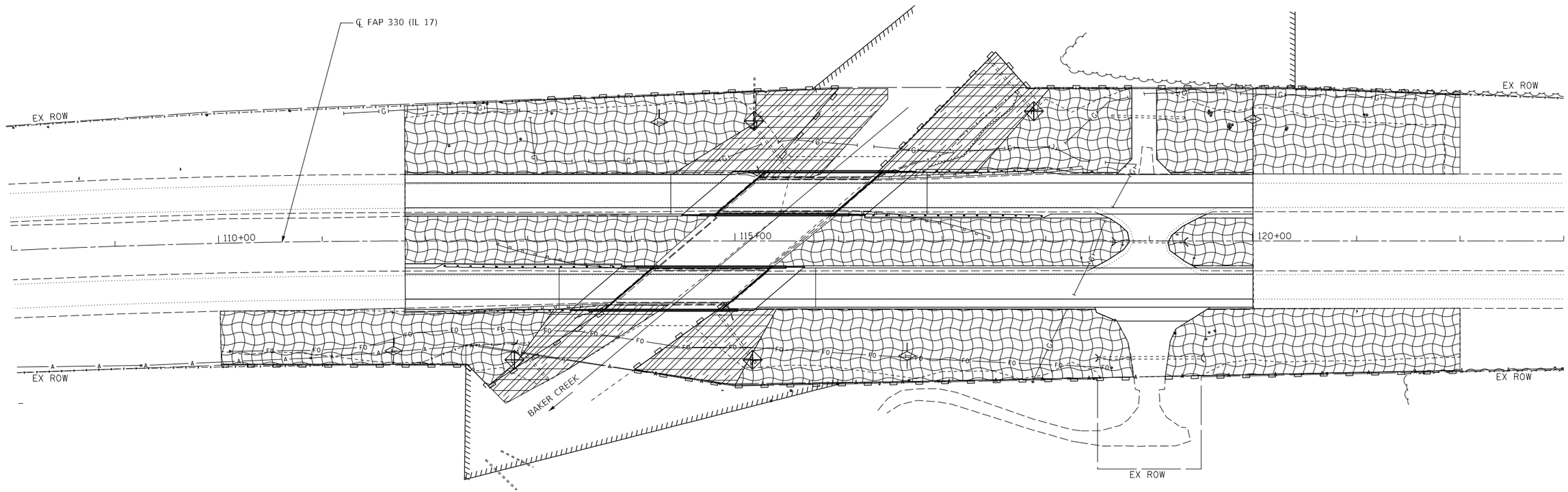
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL – STAGE 2

SCALE: 1"=50' | SHEET 8 OF 8 SHEETS | STA. 123+00 TO STA. 138+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	30
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER (PEB)
- DURING CONSTRUCTION: TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED ALONG WITH EROSION CONTROL BLANKET
- DURING CONSTRUCTION: TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED ALONG WITH HEAVY DUTY EROSION CONTROL BLANKET

0 50 100 150
SCALE IN FEET

MODEL NAME = Default
FILE NAME = F:\3-1308\100TDist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0366F57-stmtersdgn

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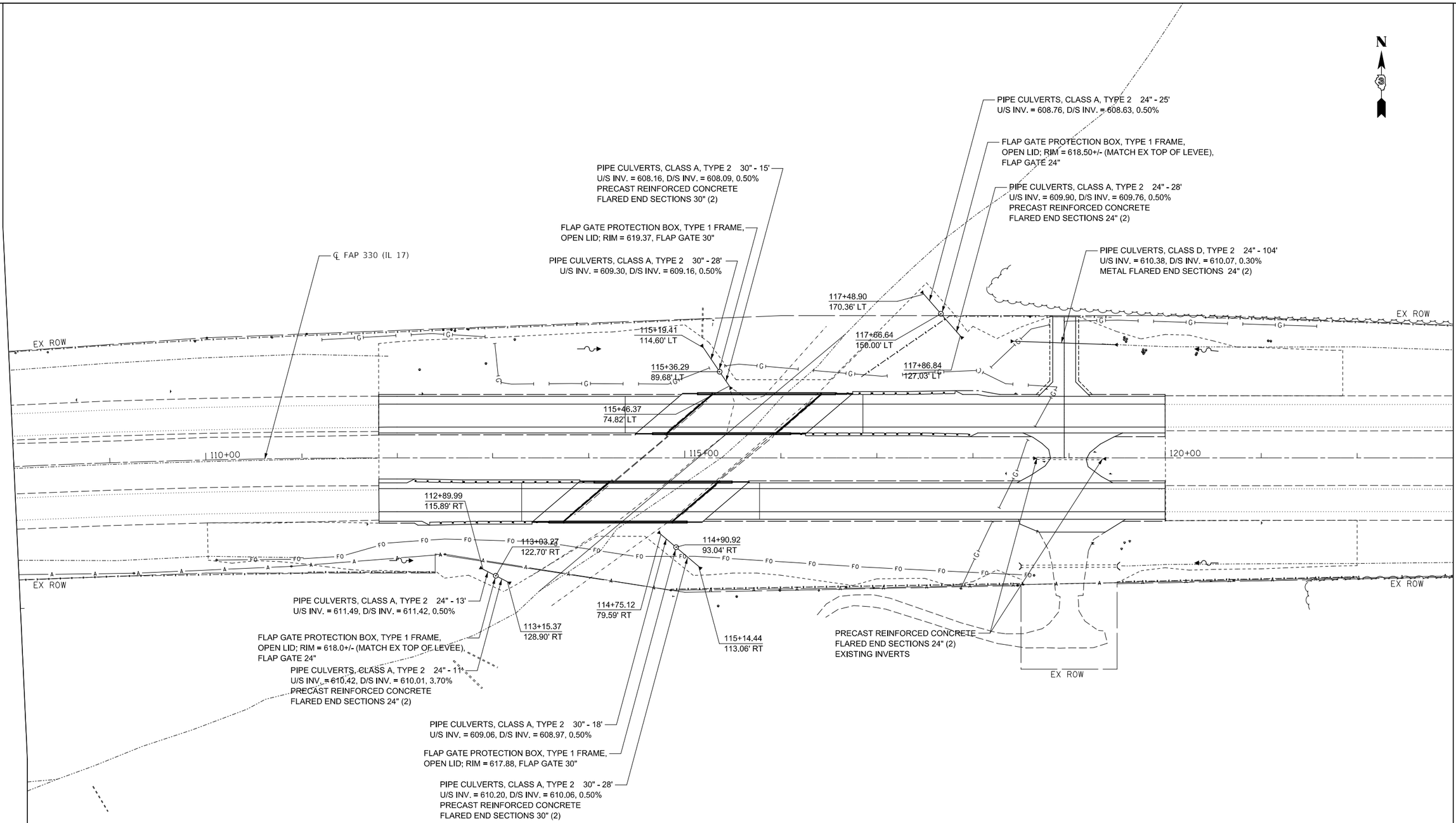
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 108+00 | TO STA. 123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	31
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



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BLOOM COMPANIES, LLC Infrastructure Innovation and Ingenuity 150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606 Phone: (312) 876-9500 Fax: (312) 876-9600	USER NAME = jandrews	DESIGNED - JB	REVISED -
		DRAWN - JB	REVISED -
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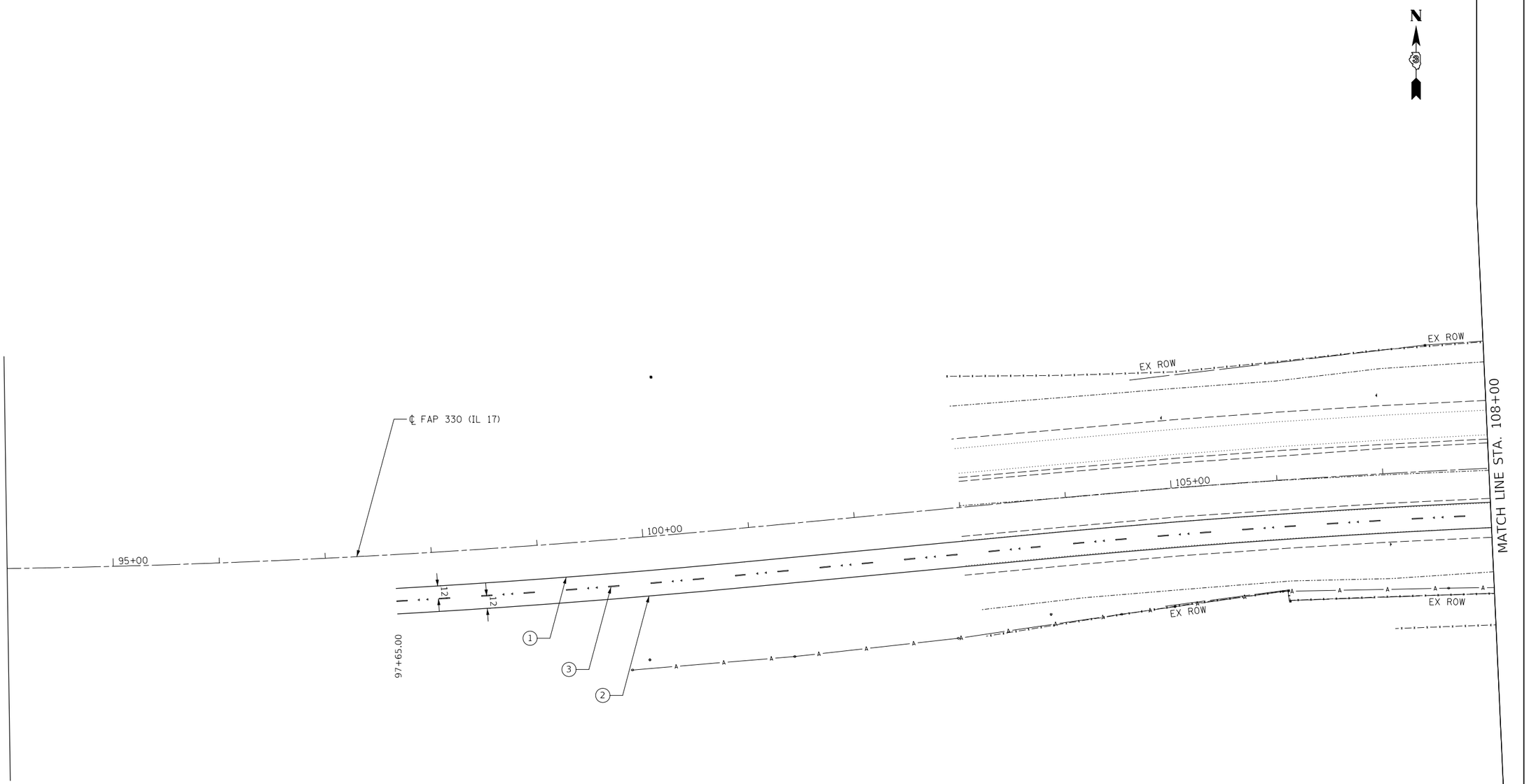
	PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 108+00 TO STA. 123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	32
		CONTRACT NO. 66F57		
		ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" - YELLOW
   GROOVING FOR RECESSED PAVEMENT MARKING 5"
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" - WHITE
   GROOVING FOR RECESSED PAVEMENT MARKING 5"
3. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6" WHITE
   SKIP DASH (10' DASH - 30' SKIP)
   GROOVING FOR RECESSED PAVEMENT MARKING 7"
4. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4" YELLOW
   GROOVING FOR RECESSED PAVEMENT MARKING 5"
   (ON CONCRETE BRIDGE DECK AND APPROACH SLABS)
5. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4" WHITE
   GROOVING FOR RECESSED PAVEMENT MARKING 5"
   (ON CONCRETE BRIDGE DECK AND APPROACH SLABS)

◁ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)

SIGNING LEGEND

EXISTING GROUND SIGN
(ALL EXISTING SIGNS TO REMAIN)

LANDSCAPING LEGEND

SEEDING, CLASS 2A
(SALT TOLERANT ROADSIDE MIXTURE)
TOPSOIL EXCAVATION AND PLACEMENT - 4" THICK
NITROGEN, PHOSPHORUS AND POTASSIUM
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)
EROSION CONTROL BLANKET

SEEDING, CLASS 2A PER ABOVE
HEAVY DUTY EROSION CONTROL BLANKET

0 50 100 150
SCALE IN FEET

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BLOOM COMPANIES, LLC
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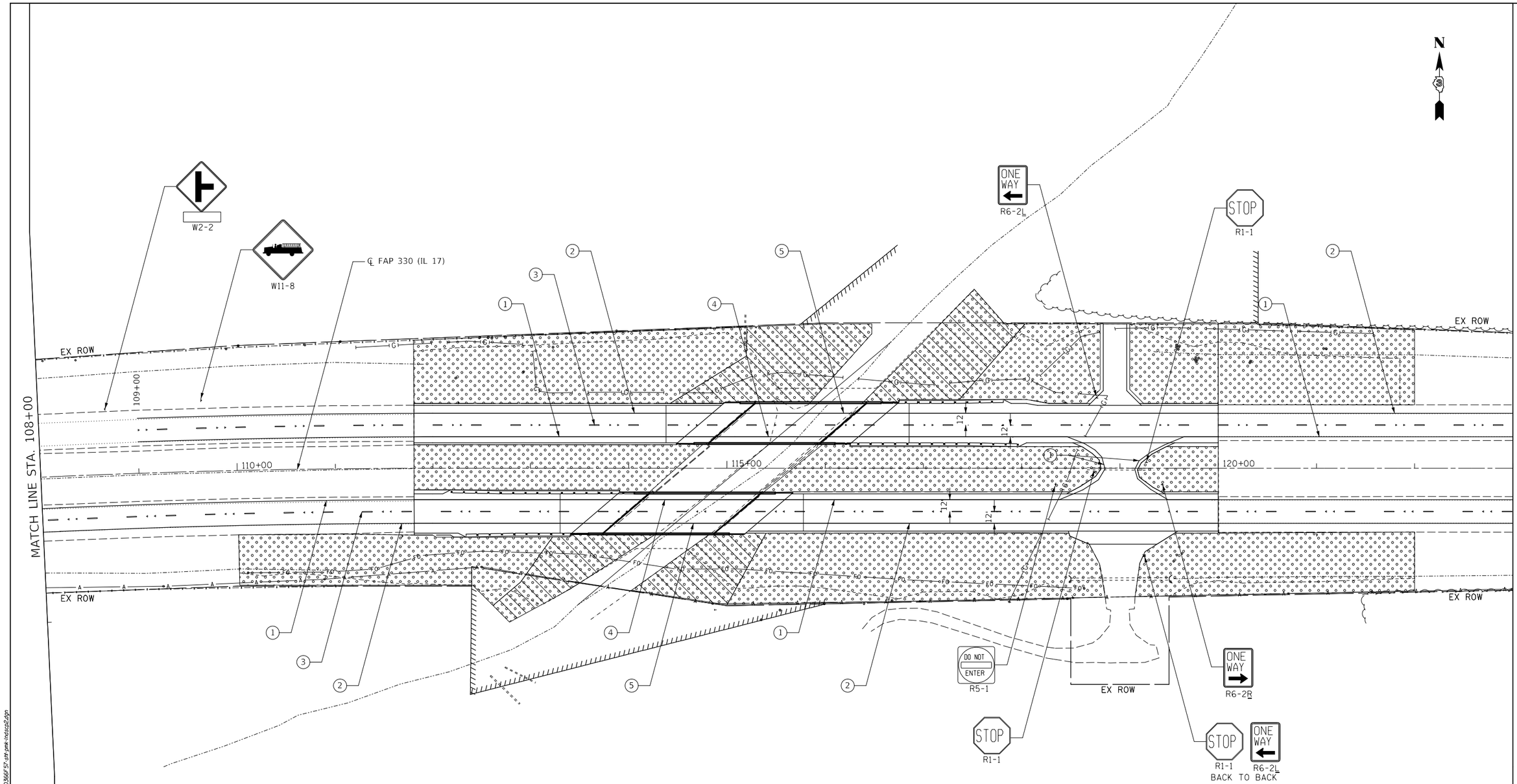
PLOT SCALE = 100.0000 ' / in.	CHECKED - LA	REVISED -
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING, & LANDSCAPING

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. 88+00 TO STA. 108+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J1	KANKAKEE	114	33
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

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   GROOVING FOR RECESSED PAVEMENT MARKING 5"
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◁ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)

SIGNING LEGEND

◁ EXISTING GROUND SIGN
(ALL EXISTING SIGNS TO REMAIN)

NOTE:
SEE DETAIL FOR DELINEATOR PLACEMENT
AT MAINTENANCE CROSSOVER.

LANDSCAPING LEGEND

SEEDING, CLASS 2A
(SALT TOLERANT ROADSIDE MIXTURE)
TOPSOIL EXCAVATION AND PLACEMENT - 4" THICK
NITROGEN, PHOSPHORUS AND POTASSIUM
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)
EROSION CONTROL BLANKET

SEEDING, CLASS 2A PER ABOVE
HEAVY DUTY EROSION CONTROL BLANKET

SCALE IN FEET: 0 50 100 150

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BLOOM COMPANIES, LLC
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Phone: (312) 876-9500 Fax: (312) 876-9600

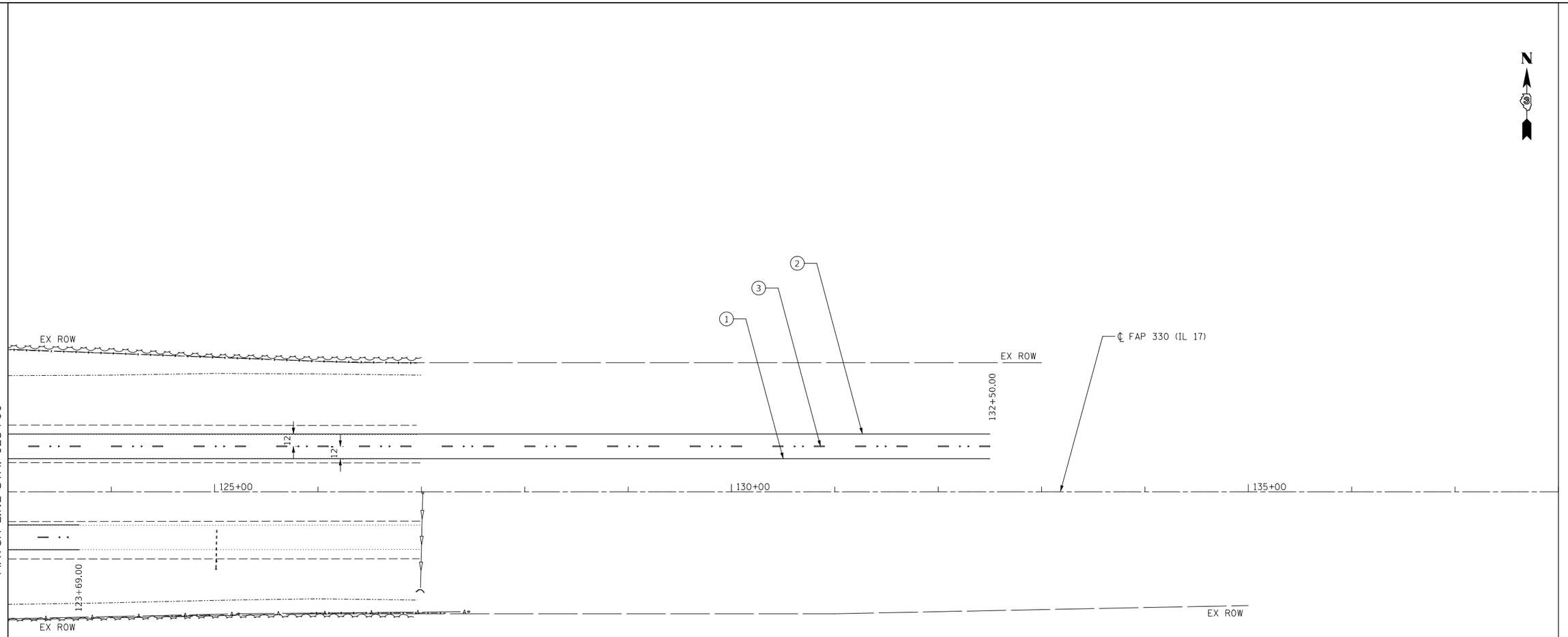
USER NAME = jandrews	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - LA	REVISED -
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING, & LANDSCAPING

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 108+00 TO STA. 123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1L	KANKAKEE	114	34
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" - YELLOW
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◁ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)

SIGNING LEGEND

EXISTING GROUND SIGN
(ALL EXISTING SIGNS TO REMAIN)

LANDSCAPING LEGEND

SEEDING, CLASS 2A
(SALT TOLERANT ROADSIDE MIXTURE)
TOPSOIL EXCAVATION AND PLACEMENT - 4" THICK
NITROGEN, PHOSPHORUS AND POTASSIUM
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)
EROSION CONTROL BLANKET

SEEDING, CLASS 2A PER ABOVE
HEAVY DUTY EROSION CONTROL BLANKET

0 50 100 150
SCALE IN FEET

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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

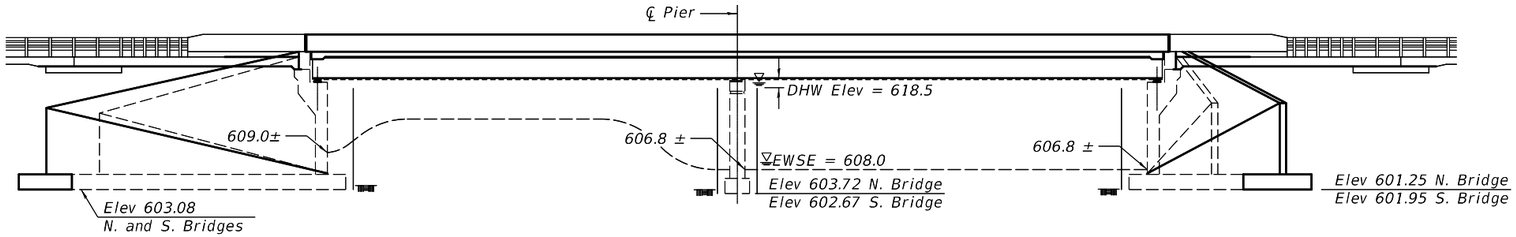
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING, & LANDSCAPING

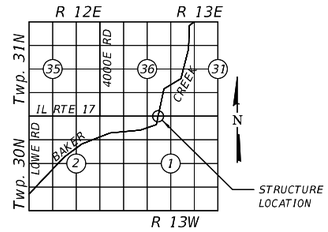
SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. 123+00 | TO STA. 138+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J1	KANKAKEE	114	35
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

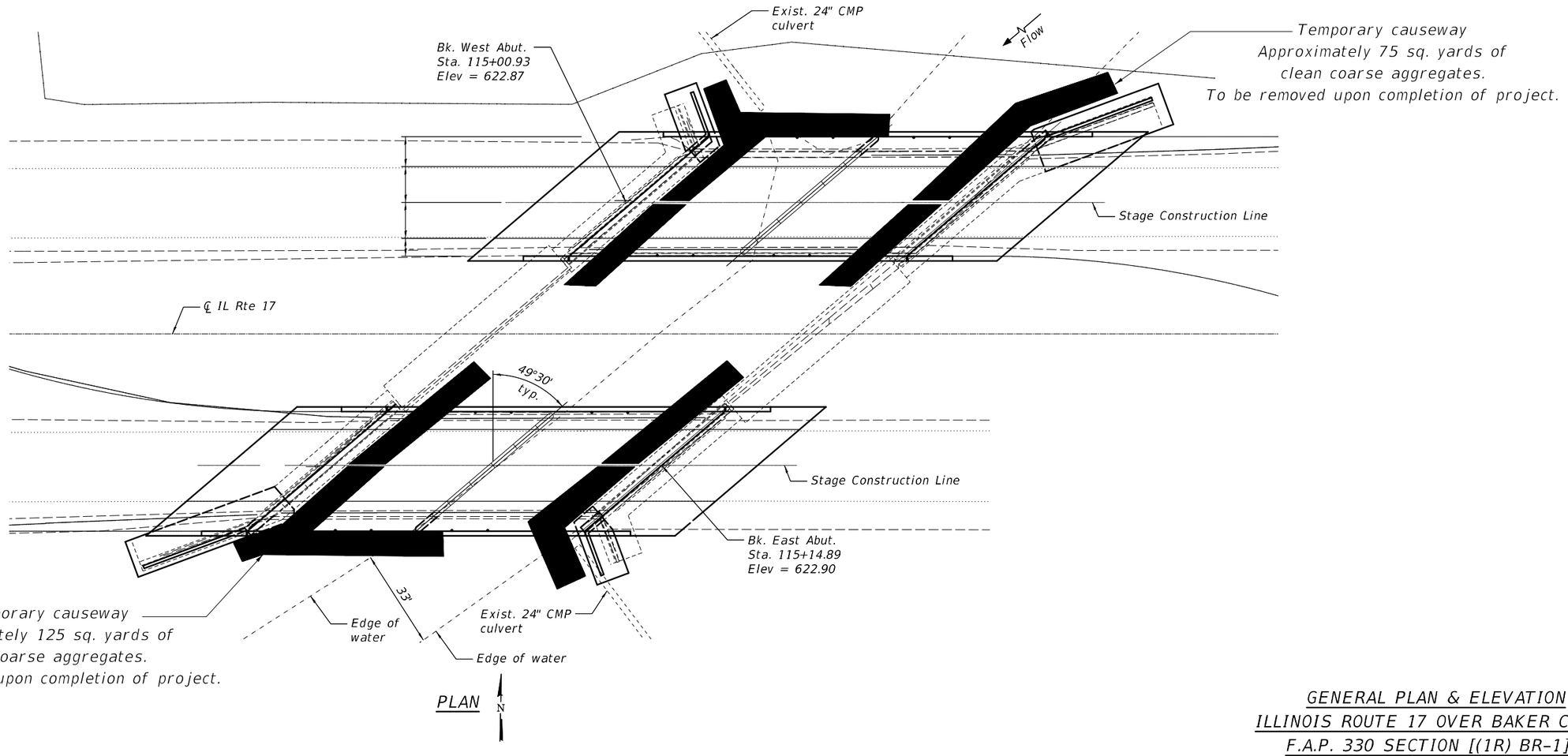
Exhibit



ELEVATION



LOCATION SKETCH



PLAN

Not to Scale

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 17 OVER BAKER CREEK
F.A.P. 330 SECTION [(1R) BR-1] 1
KANKAKEE COUNTY
STATION 115+07.91
STRUCTURE NO. 046-0035 (EB)
STRUCTURE NO. 046-0036 (WB)

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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAUSEWAY PLAN

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	36
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

Benchmark:
Disk in concrete on northwest corner of northerly bridge. Elev. 623.13 (NAVD 88)

Existing Structure:
SN 046-0035 (EB) and 046-0036 (WB) were originally constructed in 1964 as F.A.P. 330, Section (1R) BR-1.
The original bridge decks are 36' out to out and 117'-0" back of abutment to back of abutment.
The structures are to have the superstructures replaced and widened using staged construction with substructures widened and new wing walls constructed. There is no asbestos on the bridges.

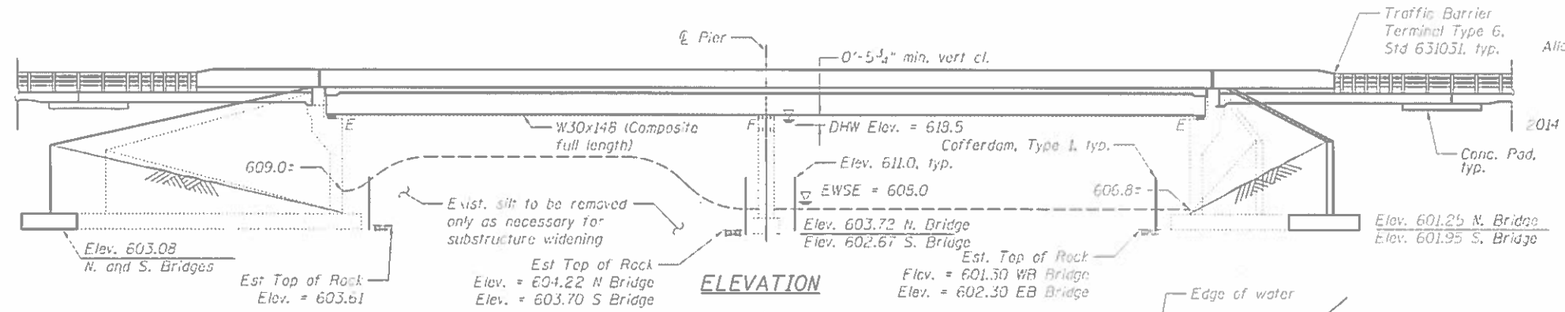
No Salvage

SOIL BORINGS

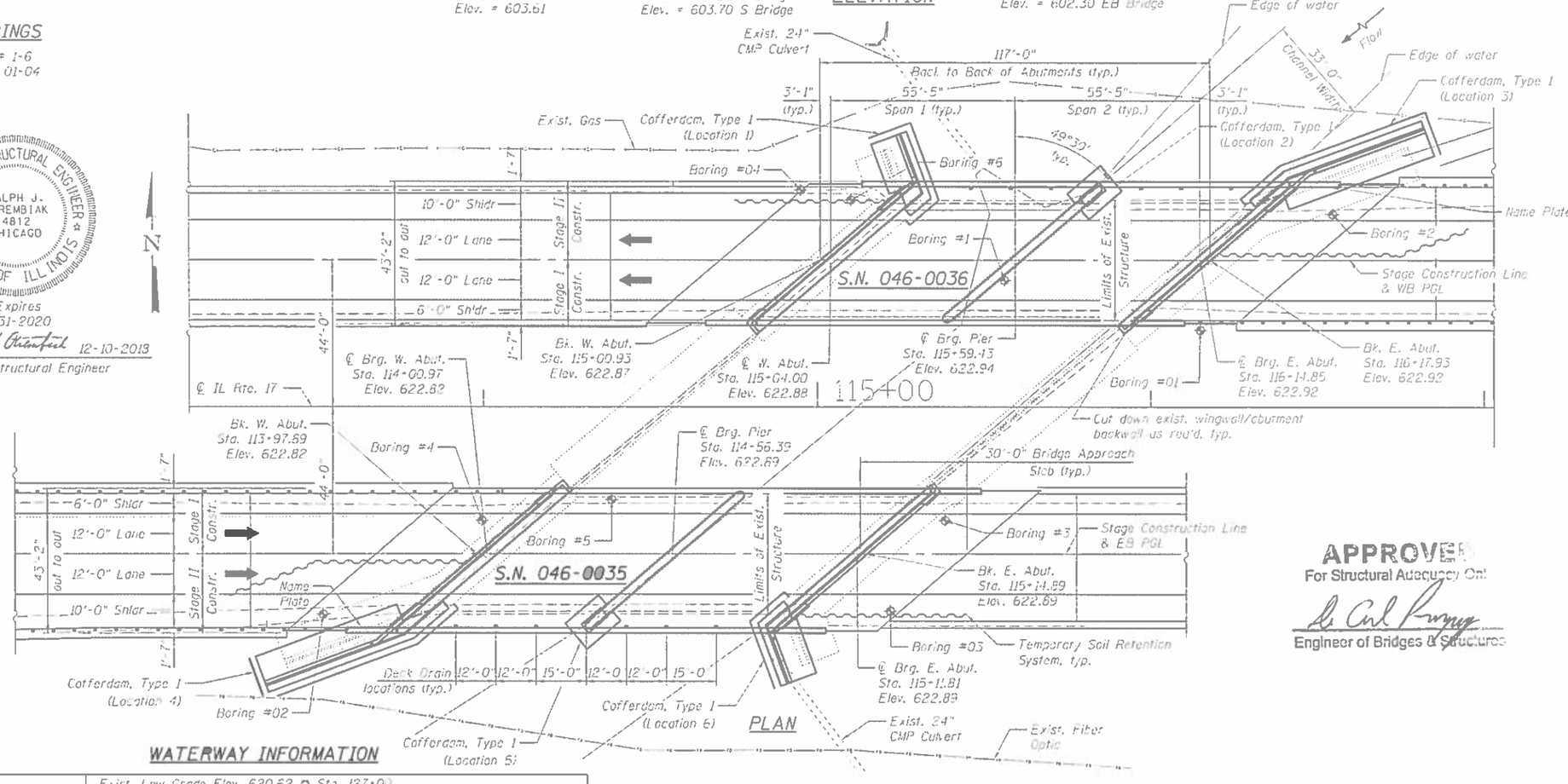
1962 Borings# 1-6
2016 Borings# 01-04

LICENSED STRUCTURAL ENGINEER
RALPH J. OTREMBIAK
4812
CHICAGO
STATE OF ILLINOIS

Expires
11-31-2020
Ralph Otrembiak 12-10-2018
Licensed Structural Engineer



ELEVATION



PLAN

WATERWAY INFORMATION

Drainage Area = 41 sq mi	Exist. Low Grade Elev. 620.62 @ Sta. 127+00								
	Prop. Low Grade Elev. 620.62 @ Sta. 127+00								
Flood	Frequency (yr.)	Q (cfs)	Opening - sq. ft.		HAT. H.W.E.	Head - ft.		Headwater Elev.	
			Exist.*	Prop.*		Exist.	Prop.	Exist.	Prop.
	10	1440	570	570	617.8	0.3	0.3	618.1	618.1
Hydraulic Design	50	2090	612	612	618.5	0.6	0.6	619.1	619.1
Base/Scour Des.	100	2370	625	625	618.7	0.9	0.9	619.6	619.6
Scour Check	200	2650	638	638	618.9	1.1	1.1	620	620
Max. Calc.	500	3020	650	650	619.2	1.4	1.4	620.6	620.6
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

10-year velocity exist. 2.4 fps 10-year velocity prop. 2.4 fps

DESIGN SCOUR ELEVATION TABLE

Bridge	Event/Limit State	Design Scour Elevations (ft.)			Item 113
		W. Abut.	Pier	E. Abut.	
South	0100	605.10	606.80	603.46	8
	0200	605.10	606.80	603.46	8
	Design	603.08	602.67	601.95	8
North	0100	605.10	606.80	603.46	8
	0200	605.10	606.80	603.46	8
	Design	603.08	603.72	601.25	8

Note: Bottom of footings are keyed 6" ± into dense limestone based on existing drawings and soil borings.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

(For New Superstructure)
2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 interims

DESIGN STRESSES

FIELD UNITS (New Construction)

f'c = 3,500 psi
f'c = 4,000 psi (Deck)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

FIELD UNITS (Existing Construction)

fc = 1,000 psi
vc = 75 psi (Footings)
fs = 20,000 psi (Reinforcement)
n = 10

SEISMIC DATA

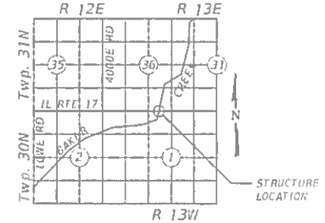
Seismic Performance Category (SPC) = A
Bedrock Acceleration = 0.042
Soil Coefficent = 1.0

STATION 115+59.43
REBUILT BY
STATE OF ILLINOIS
LOADING HL-93
STRUCTURE NO. 046-0036

STATION 114+56.39
REBUILT BY
STATE OF ILLINOIS
LOADING HL-93
STRUCTURE NO. 046-0035

NAME PLATE
See Std. 515001

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 17 OVER BAKER CREEK
F.A.P. 330 SECTION (1R) BR-1 1
KANKAKEE COUNTY
STATION 115+07.91
STRUCTURE NO. 046-0035 (EB)
STRUCTURE NO. 046-0036 (WB)

BLOOM COMPANIES, LLC

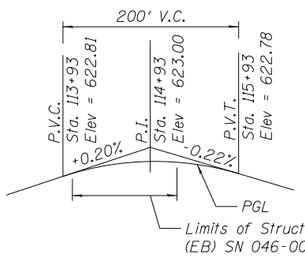
USER NAME = jgendreau	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 37.5000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

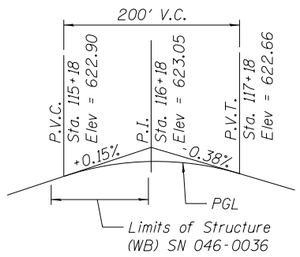
GENERAL PLAN AND ELEVATION
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. 51 OF 547 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	37
		CONTRACT NO. 66F57		
	(ILLINOIS) FED. AID PROJECT			

INDEX OF SHEETS



PROFILE GRADE



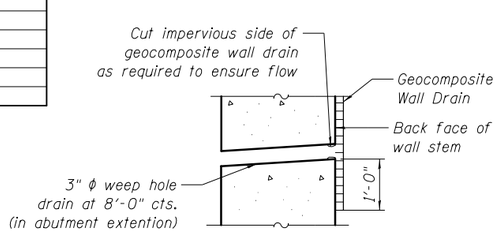
PROFILE GRADE

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts (in painted areas and ASTM A325 Type 3 in unpainted areas). Bolts $\frac{7}{8}$-in. ϕ, holes 1-in. ϕ, unless otherwise noted.
3. Calculated weight of Structural Steel = 235,326 Pounds
4. No field welding is permitted except as specified in the contract documents.
5. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
6. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
7. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7G 4/8.
8. Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.
9. Existing reinforcement shall be cleaned and incorporated into the new construction as shown in the plans. Cost included with Concrete Removal.
10. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
11. Concrete Sealer shall be applied to all exposed surfaces of new concrete at abutments except for wingwalls and footings.

ABBREVIATIONS

Abut.	Abutment	E.F.	Each Face	S.	South
@	At	Elev.	Elevation	SE	Southeast
B.F.	Back Face	Exist.	Existing	Shldr.	Shoulder
Bk.	Back	Exp.	Expansion	Spa.	Spaces
Brg.	Bearing	F.F.	Front Face	Std.	Standard
Btw.	Between	Max.	Maximum	Sta.	Station
℄	Centerline	Min.	Minimum	SW	Southwest
Cts.	Centers	N.	North	Typ.	Typical
Const.	Construction	NE	Northeast	U.N.O.	Unless Noted Otherwise
ϕ	Diameter	No.	Number	W.	West
E.	East				



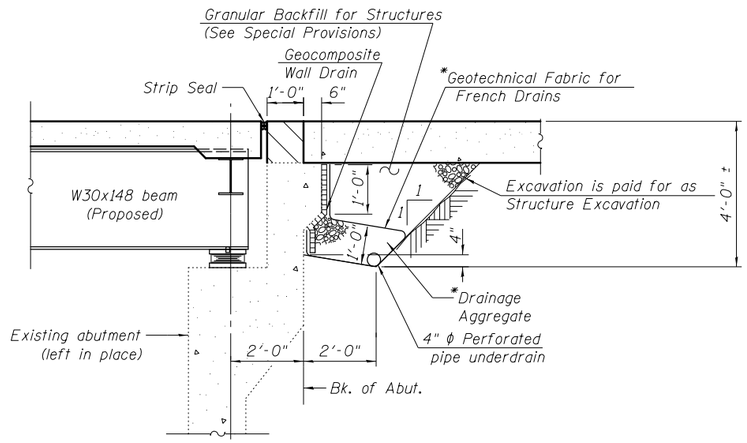
WEEP HOLE DRAIN DETAIL

SECTION THRU ABUTMENT EXTENTION

** Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Rock Excavation	Cu Yd		28.7	28.7
Removal of Existing Superstructures	Each	2		2
Concrete Removal	Cu Yd		106.9	106.9
Structure Excavation	Cu Yd		452	452
Cofferdam Excavation	Cu Yd		626	626
Cofferdam (Type 1) (Location - 1)	Each		1	1
Cofferdam (Type 1) (Location - 2)	Each		1	1
Cofferdam (Type 1) (Location - 3)	Each		1	1
Cofferdam (Type 1) (Location - 4)	Each		1	1
Cofferdam (Type 1) (Location - 5)	Each		1	1
Cofferdam (Type 1) (Location - 6)	Each		1	1
Floor Drains	Each	12		12
Concrete Structures	Cu Yd		443.7	443.7
Concrete Superstructure	Cu Yd	321		321
Bridge Deck Grooving	Sq Yd	1,490		1,490
Protective Coat	Sq Yd	1,818		1,818
Concrete Superstructure (Approach Slab)	Cu Yd		237	237
Furnishing and Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	6,804		6,804
Reinforcement Bars	Pound		53,070	53,070
Reinforcement Bars, Epoxy Coated	Pound	194,390		194,390
Bar Splicers	Each	980	24	1,004
Name Plates	Each	2		2
Preformed Joint Strip Seal	Foot		254.5	254.5
Elastomeric Bearing Assembly, Type I	Each		24	24
Anchor Bolts, 5/8"	Each		48	48
Anchor Bolts, 3/4"	Each		24	24
Temporary Soil Retention System	Sq Ft		2,679	2,679
Concrete Sealer	Sq Ft		2,634	2,634
Geocomposite Wall Drain	Sq Yd		207	207
Granular Backfill for Structures	Cu Yd		197	197
Pipe Underdrains for Structures 4"	Foot		392	392



SECTION THRU EXISTING ABUTMENT

(Horizontal dimensions at right L's to abutment)

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

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

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USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -	
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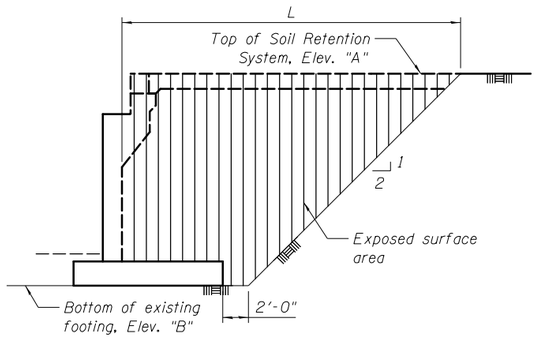
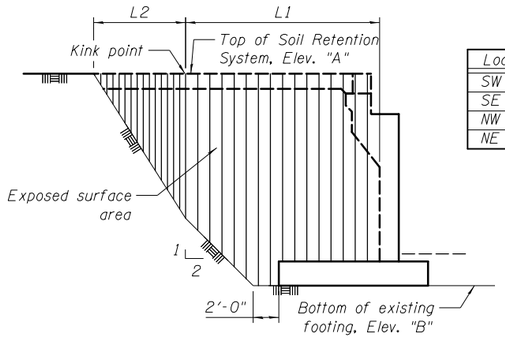
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS, & TOTAL BILL OF MATERIAL
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S2 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	38
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



AT SOUTHEAST AND NORTHWEST ABUTMENTS



AT SOUTHWEST AND NORTHEAST ABUTMENTS

Location	L	L1	L2	Elev. "A"	Elev. "B"
SW Abutment	-	47.29	26.68	622.78	603.38
SE Abutment	40.71	-	-	622.60	602.25
NW Abutment	44.92	-	-	622.60	603.38
NE Abutment	-	51.97	23.48	622.88	601.55

Cofferdam Excavation

Structure Excavation

Temporary Soil Retention System

Cofferdam Limits

TEMPORARY SOIL RETENTION SYSTEM

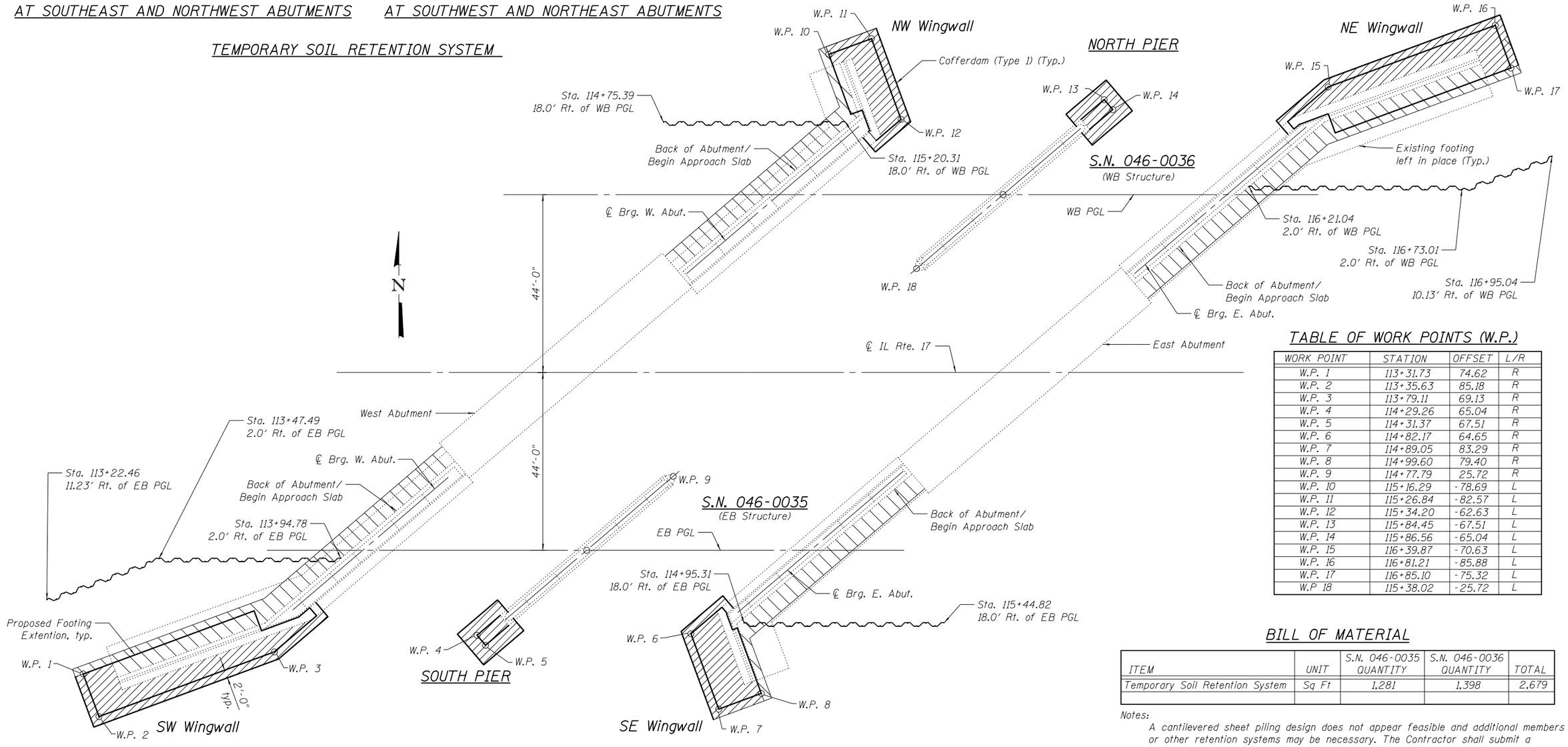


TABLE OF WORK POINTS (W.P.)

WORK POINT	STATION	OFFSET	L/R
W.P. 1	113+31.73	74.62	R
W.P. 2	113+35.63	85.18	R
W.P. 3	113+79.11	69.13	R
W.P. 4	114+29.26	65.04	R
W.P. 5	114+31.37	67.51	R
W.P. 6	114+82.17	64.65	R
W.P. 7	114+89.05	83.29	R
W.P. 8	114+99.60	79.40	R
W.P. 9	114+77.79	25.72	R
W.P. 10	115+16.29	-78.69	L
W.P. 11	115+26.84	-82.57	L
W.P. 12	115+34.20	-62.63	L
W.P. 13	115+84.45	-67.51	L
W.P. 14	115+86.56	-65.04	L
W.P. 15	116+39.87	-70.63	L
W.P. 16	116+81.21	-85.88	L
W.P. 17	116+85.10	-75.32	L
W.P 18	115+38.02	-25.72	L

BILL OF MATERIAL

ITEM	UNIT	S.N. 046-0035 QUANTITY	S.N. 046-0036 QUANTITY	TOTAL
Temporary Soil Retention System	Sq Ft	1,281	1,398	2,679

Notes:

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

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PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOOTING KEY PLAN
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S3 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	39
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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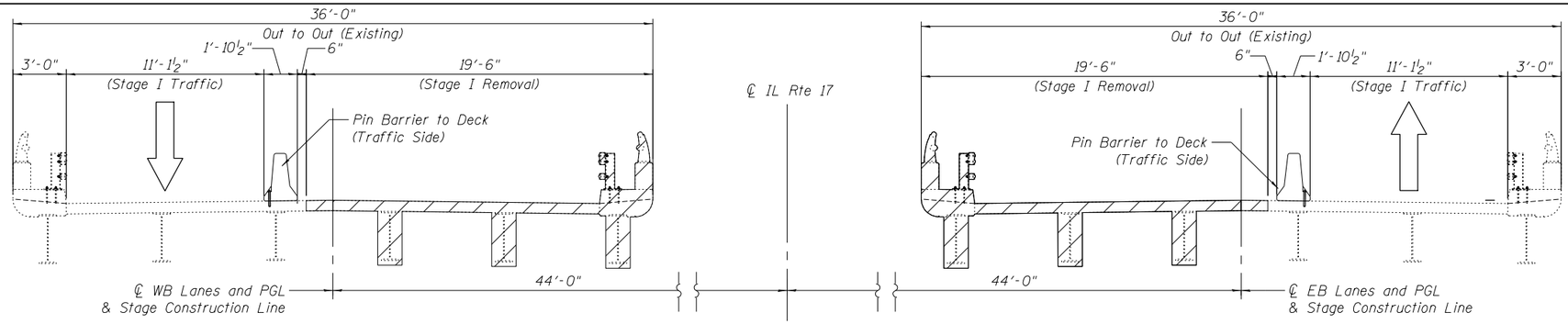
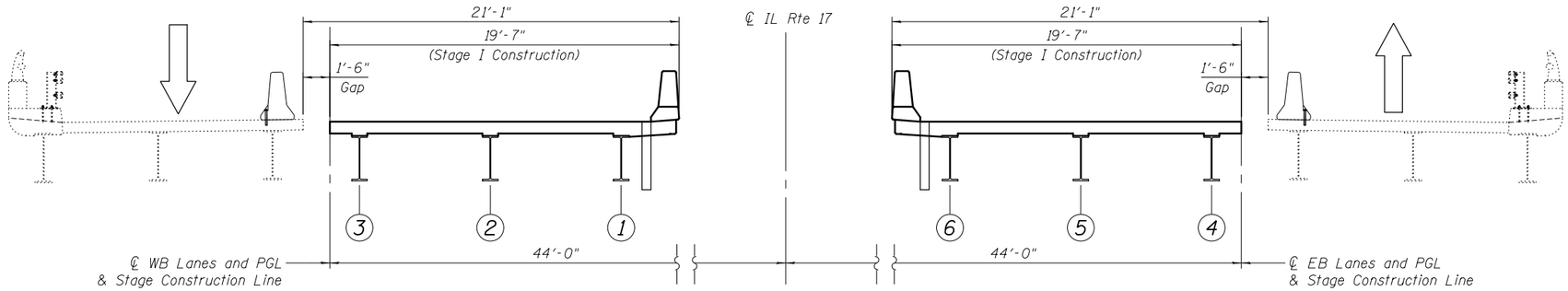


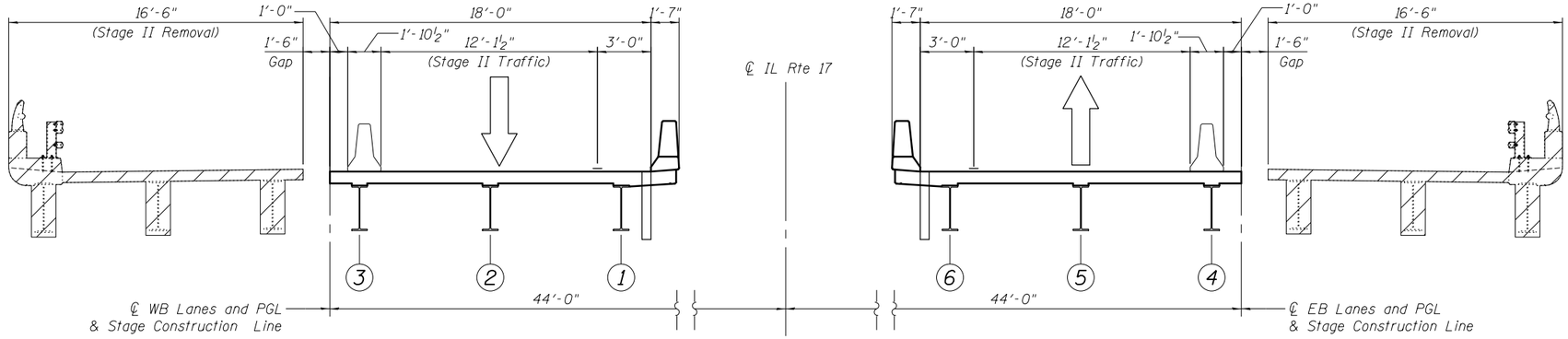
STAGE I REMOVAL

STAGE I REMOVAL



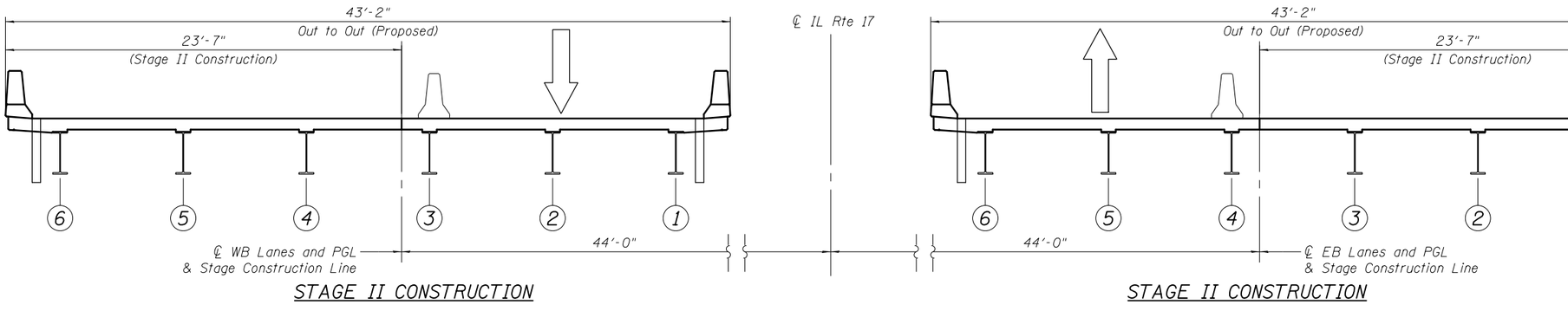
STAGE I CONSTRUCTION

STAGE I CONSTRUCTION



STAGE II REMOVAL

STAGE II REMOVAL



STAGE II CONSTRUCTION

STAGE II CONSTRUCTION

LEGEND

Removal of Existing Superstructures

Notes:

All staging cross sections shown looking E.

For quantity of Temporary Concrete Barrier, see roadway plans.

For anchoring of retaining barrier, see Sheet S7 of S47.

MODEL NAME - Default
FILE NAME - F:\3-1308 IDOT\Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\cADD_Sheets\0460035_36-66F57-004-stagingdgn

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PLOT SCALE = 7.8239 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

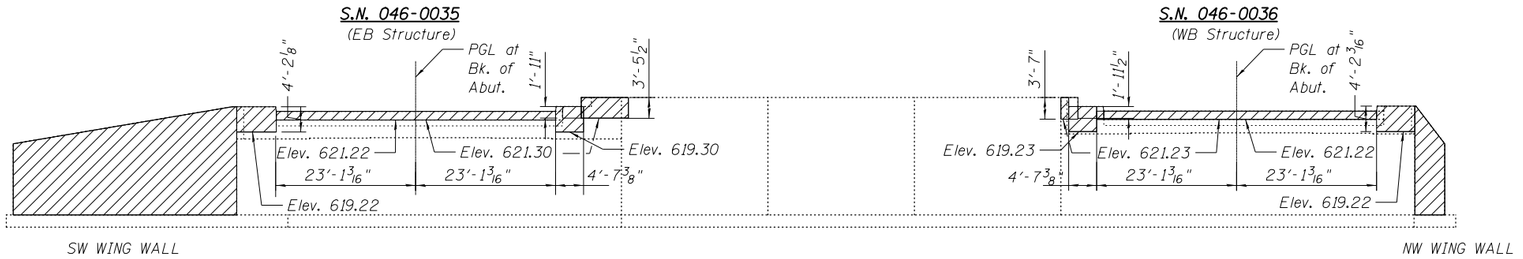
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S4 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	40
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

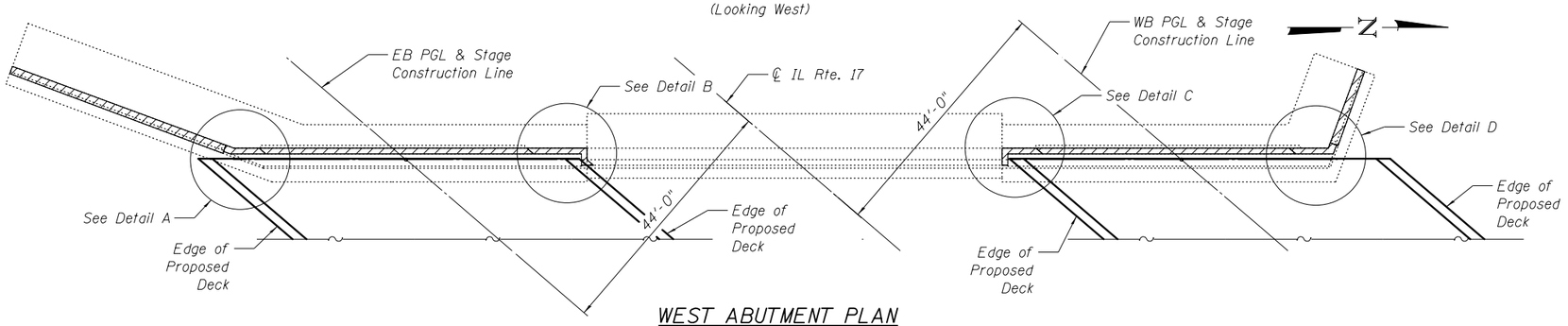
BILL OF MATERIAL

ITEM	UNIT	S.N. 046-0035 QUANTITY	S.N. 046-0036 QUANTITY	TOTAL
Concrete Removal	Cu Yd	49.5	57.4	106.9

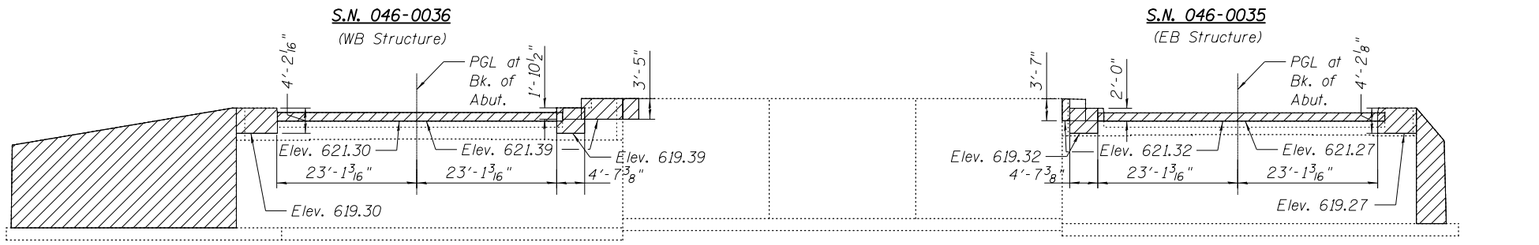


WEST ABUTMENT ELEVATION

(Looking West)

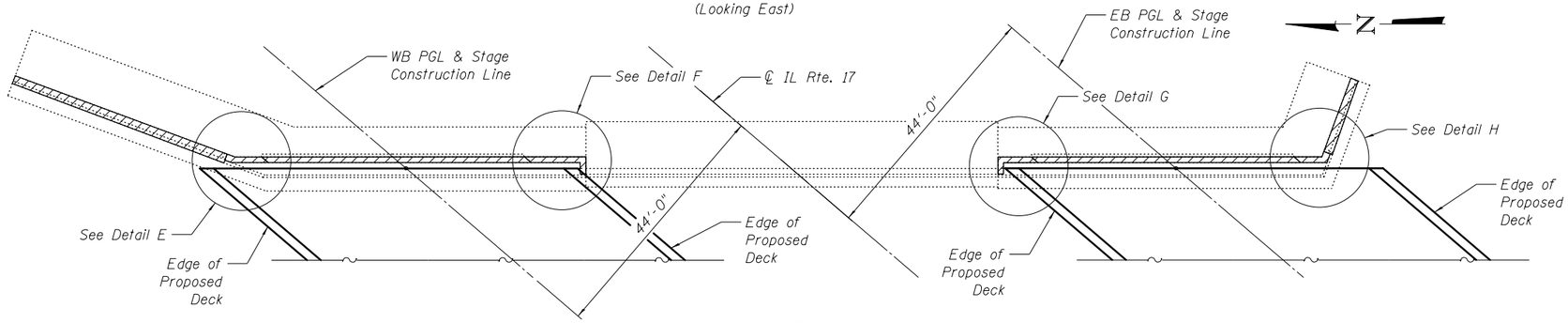


WEST ABUTMENT PLAN



EAST ABUTMENT ELEVATION

(Looking East)



EAST ABUTMENT PLAN

LEGEND

Concrete Removal

Notes:
See sheet S6 of S47 for removal details.

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PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
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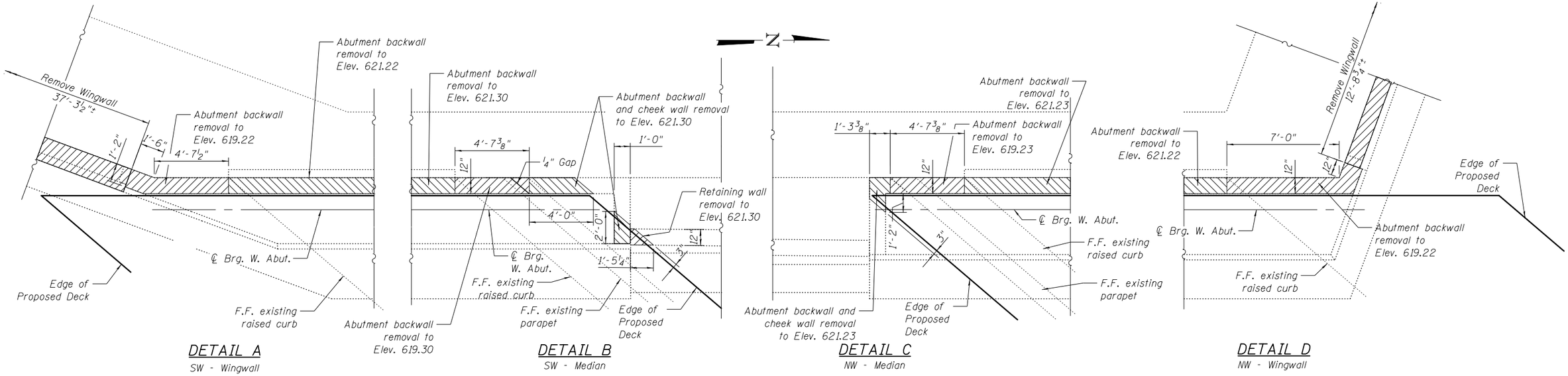
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN – I
STRUCTURE NO. 046–0035 /046–0036
SHEET NO. S5 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	41
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



DETAIL A
SW - Wingwall

DETAIL B
SW - Median

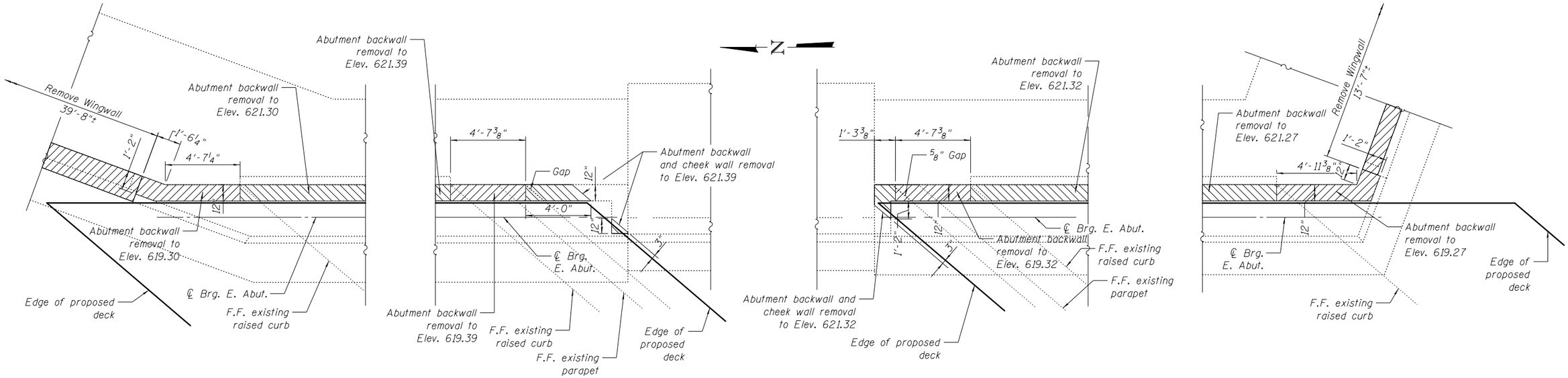
DETAIL C
NW - Median

DETAIL D
NW - Wingwall

S.N. 046-0035
EB Structure

S.N. 046-0036
WB Structure

WEST ABUTMENT REMOVAL DETAILS



DETAIL E
NE - Wingwall

DETAIL F
NE - Median

DETAIL G
SE - Median

DETAIL H
SE - Wingwall

S.N. 046-0036
WB Structure

S.N. 046-0035
EB Structure

LEGEND

Concrete Removal

EAST ABUTMENT REMOVAL DETAILS

MODEL NAME = Default
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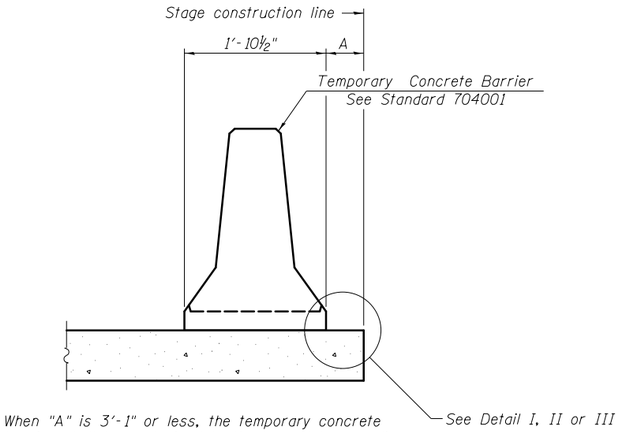
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

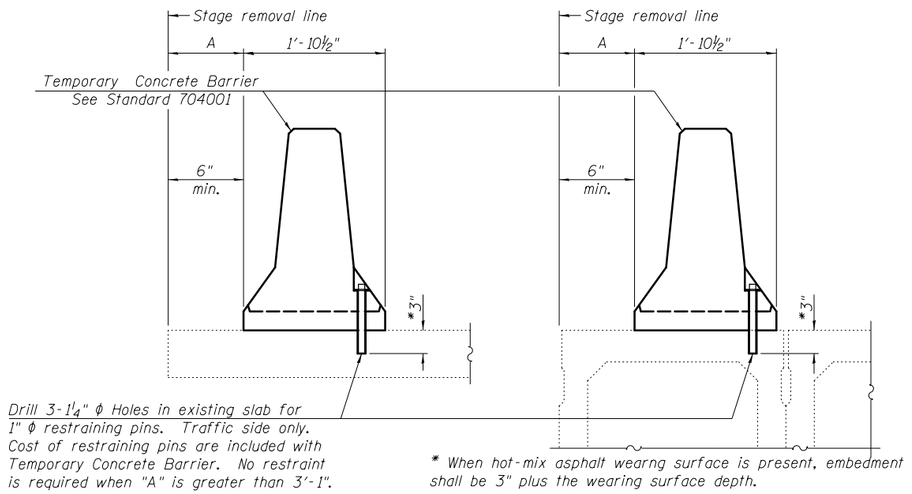
REMOVAL PLAN – II
STRUCTURE NO. 046–0035 /046–0036
SHEET NO. 56 OF 547 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	42
		CONTRACT NO. 66F57		
	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".

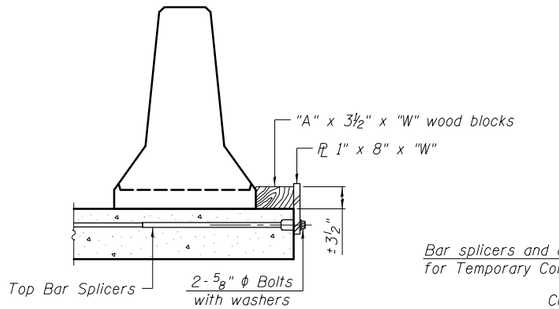
NEW SLAB OR NEW DECK BEAM



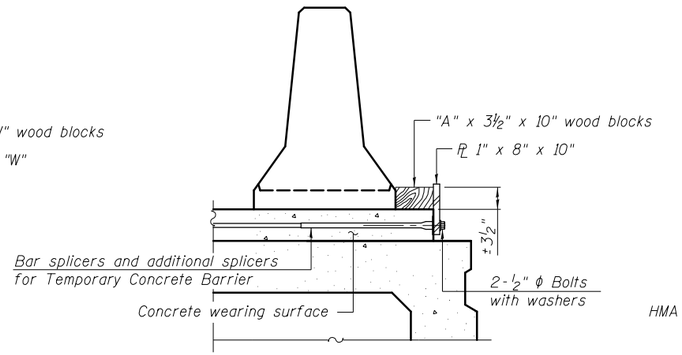
EXISTING SLAB

EXISTING DECK BEAM

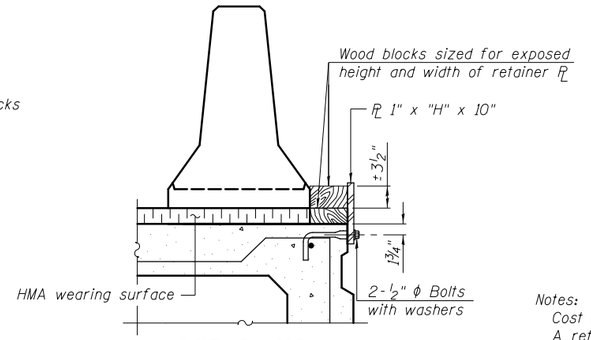
SECTIONS THRU SLAB OR DECK BEAM



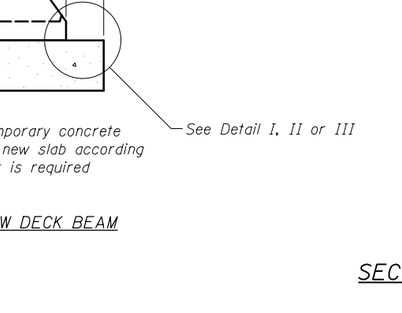
DETAIL I



DETAIL II

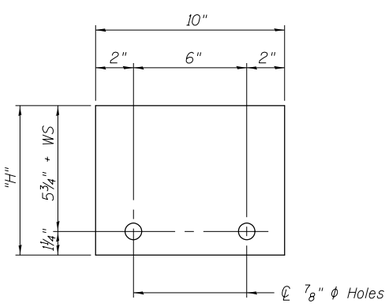


DETAIL III



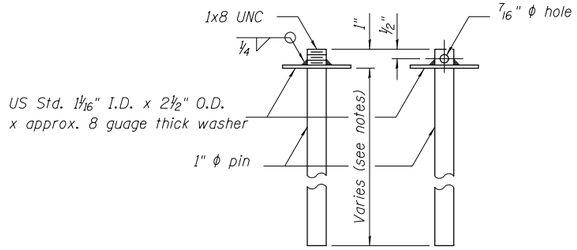
STEEL RETAINER PL 1" x 8" x "W"

(Detail I and II)

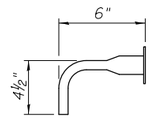


STEEL RETAINER PL 1" x "H" x 10"

(Detail III)



RESTRAINING PIN



BAR SPLICER FOR #4 BAR - 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.

R-27

8-11-2017

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DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 046-0035 /046-0036

SHEET NO. S7 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	43
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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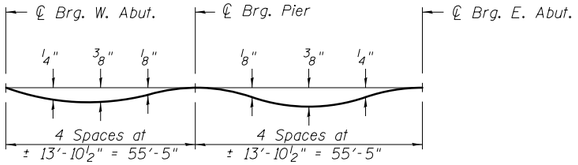
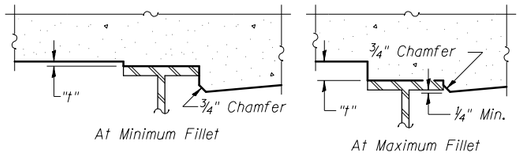


DEAD LOAD DEFLECTION DIAGRAM

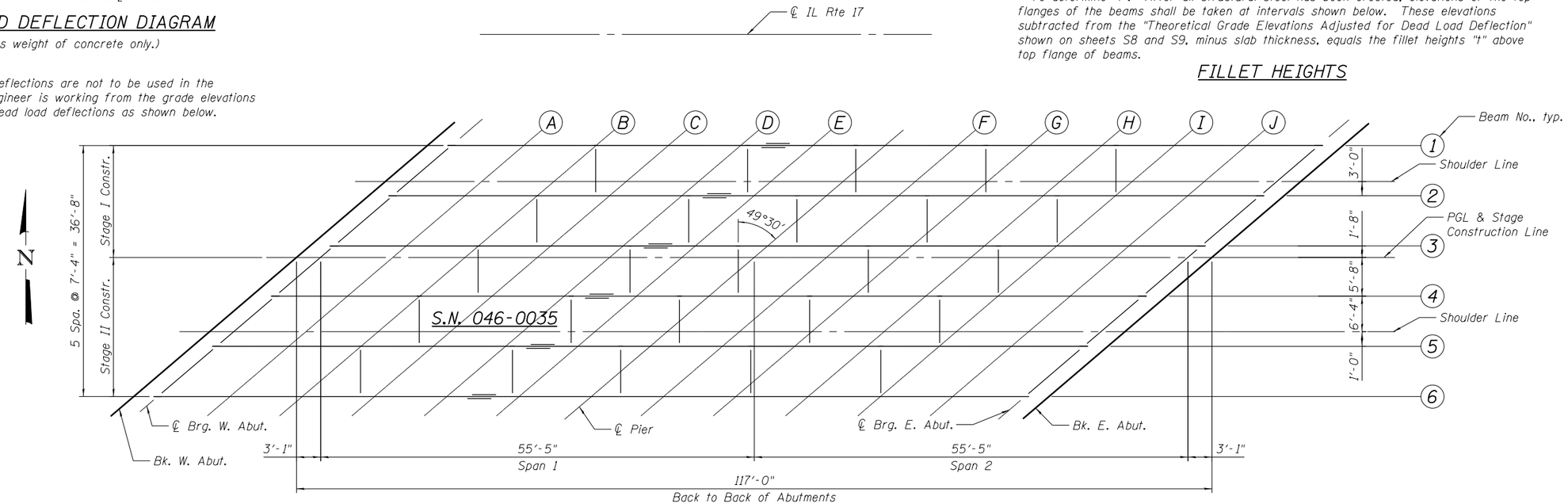
(Includes weight of concrete only.)

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 below.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets S8 and S9, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	114+17.01	27.67	622.583	622.583
℄ Exp. Jt.	114+18.65	27.67	622.585	622.585
℄ Brg. W. Abut.	114+20.10	27.67	622.587	622.587
A	114+30.10	27.67	622.600	622.621
B	114+40.10	27.67	622.610	622.639
C	114+50.10	27.67	622.618	622.647
D	114+60.10	27.67	622.625	622.641
E	114+70.10	27.67	622.629	622.632
℄ Brg. Pier	114+75.51	27.67	622.630	622.630
F	114+85.51	27.67	622.631	622.639
G	114+95.51	27.67	622.630	622.653
H	115+05.51	27.67	622.627	622.658
I	115+15.51	27.67	622.622	622.649
J	115+25.51	27.67	622.615	622.627
℄ Brg. E. Abut.	115+30.93	27.67	622.610	622.610
℄ Exp. Jt.	115+32.38	27.67	622.609	622.609
Bk. E. Abut.	115+34.01	27.67	622.661	622.661

SHOULDER LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	114+11.94	32.00	622.662	622.662
℄ Exp. Jt.	114+13.58	32.00	622.665	622.665
℄ Brg. W. Abut.	114+15.02	32.00	622.667	622.667
A	114+25.02	32.00	622.680	622.701
B	114+35.02	32.00	622.692	622.721
C	114+45.02	32.00	622.701	622.730
D	114+55.02	32.00	622.708	622.724
E	114+65.02	32.00	622.714	622.717
℄ Brg. Pier	114+70.44	32.00	622.716	622.716
F	114+80.44	32.00	622.718	622.726
G	114+90.44	32.00	622.718	622.741
H	115+00.44	32.00	622.716	622.747
I	115+10.44	32.00	622.712	622.739
J	115+20.44	32.00	622.706	622.781
℄ Brg. E. Abut.	115+25.86	32.00	622.702	622.702
℄ Exp. Jt.	115+27.30	32.00	622.700	622.700
Bk. E. Abut.	115+28.94	32.00	622.699	622.699

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	114+08.43	35.00	622.702	622.702
℄ Exp. Jt.	114+10.07	35.00	622.704	622.704
℄ Brg. W. Abut.	114+11.51	35.00	622.707	622.707
A	114+21.51	35.00	622.721	622.742
B	114+31.51	35.00	622.733	622.762
C	114+41.51	35.00	622.743	622.772
D	114+51.51	35.00	622.751	622.767
E	114+61.51	35.00	622.757	622.760
℄ Brg. Pier	114+66.93	35.00	622.759	622.759
F	114+76.93	35.00	622.762	622.770
G	114+86.93	35.00	622.763	622.786
H	114+96.93	35.00	622.762	622.793
I	115+06.93	35.00	622.758	622.785
J	115+16.93	35.00	622.753	622.765
℄ Brg. E. Abut.	115+22.34	35.00	622.749	622.749
℄ Exp. Jt.	115+23.79	35.00	622.748	622.748
Bk. E. Abut.	115+25.43	35.00	622.747	622.747

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BLOOM COMPANIES, LLC
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USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 30.6768 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS - I
STRUCTURE NO. 046-0035
SHEET NO. S8 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	44
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	113+99.84	42.33	622.798	622.798
℄ Exp. Jt.	114+01.48	42.33	622.800	622.800
℄ Brg. W. Abut.	114+02.92	42.33	622.803	622.803
A	114+12.92	42.33	622.819	622.840
B	114+22.92	42.33	622.833	622.862
C	114+32.92	42.33	622.845	622.874
D	114+42.95	42.33	622.854	622.870
E	114+52.95	42.33	622.862	622.865
℄ Brg. Pier	114+58.34	42.33	622.865	622.865
F	114+68.34	42.33	622.870	622.878
G	114+78.34	42.33	622.872	622.895
H	114+88.34	42.33	622.873	622.904
I	114+98.34	42.33	622.871	622.898
J	115+08.34	42.33	622.868	622.880
℄ Brg. E. Abut.	115+13.76	42.33	622.865	622.865
℄ Exp. Jt.	115+15.20	42.33	622.864	622.864
Bk. E. Abut.	115+16.84	42.33	622.863	622.863

PGL & STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	113+97.89	44.00	622.819	622.819
℄ Exp. Jt.	113+99.53	44.00	622.822	622.822
℄ Brg. W. Abut.	114+00.97	44.00	622.825	622.825
A	114+10.97	44.00	622.841	622.862
B	114+20.97	44.00	622.855	622.884
C	114+30.97	44.00	622.867	622.896
D	114+40.97	44.00	622.878	622.894
E	114+50.97	44.00	622.886	622.889
℄ Brg. Pier	114+56.39	44.00	622.889	622.889
F	114+66.39	44.00	622.894	622.902
G	114+76.39	44.00	622.897	622.920
H	114+86.39	44.00	622.989	622.929
I	114+96.39	44.00	622.897	622.924
J	115+06.39	44.00	622.894	622.906
℄ Brg. E. Abut.	115+11.81	44.00	622.891	622.891
℄ Exp. Jt.	115+13.25	44.00	622.809	622.890
Bk. E. Abut.	115+14.89	44.00	622.889	622.889

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	113+91.26	49.67	622.702	622.722
℄ Exp. Jt.	113+92.89	49.67	622.704	622.725
℄ Brg. W. Abut.	116+94.34	49.67	622.707	622.728
A	114+04.34	49.67	622.721	622.766
B	114+14.34	49.67	622.733	622.790
C	114+24.34	49.67	622.743	622.803
D	114+34.34	49.67	622.751	622.802
E	114+44.34	49.67	622.757	622.799
℄ Brg. Pier	114+49.76	49.67	622.759	622.800
F	114+59.76	49.67	622.762	622.814
G	114+69.76	49.67	622.763	622.833
H	114+79.76	49.67	622.762	622.844
I	114+89.76	49.67	622.758	622.84
J	114+99.76	49.67	622.753	622.823
℄ Brg. E. Abut.	115+05.17	49.67	622.749	622.809
℄ Exp. Jt.	115+06.62	49.67	622.748	622.809
Bk. E. Abut.	115+08.26	49.67	622.747	622.808

SHOULDER LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	113+83.84	56.00	622.613	622.613
℄ Exp. Jt.	113+85.48	56.00	622.616	622.616
℄ Brg. W. Abut.	113+86.92	56.00	622.618	622.618
A	113+96.92	56.00	622.637	622.658
B	114+06.92	56.00	622.654	622.683
C	114+16.92	56.00	622.670	622.699
D	114+26.92	56.00	622.683	622.699
E	114+36.92	56.00	622.684	622.697
℄ Brg. Pier	114+42.34	56.00	622.699	622.699
F	114+52.34	56.00	622.707	622.715
G	114+62.34	56.00	622.712	622.735
H	114+72.34	56.00	622.716	622.747
I	114+82.34	56.00	622.718	622.745
J	114+92.34	56.00	622.718	622.730
℄ Brg. E. Abut.	114+97.76	56.00	622.717	622.717
℄ Exp. Jt.	114+99.20	56.00	622.716	622.716
Bk. E. Abut.	115+00.84	56.00	622.716	622.716

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	113+82.67	57.00	622.590	622.590
℄ Exp. Jt.	113+84.31	57.00	622.593	622.593
℄ Brg. W. Abut.	113+85.75	57.00	622.596	622.596
A	113+95.75	57.00	622.615	622.636
B	114+05.75	57.00	622.633	622.662
C	114+15.75	57.00	622.648	622.677
D	114+25.75	57.00	622.661	622.677
E	114+35.75	57.00	622.672	622.675
℄ Brg. Pier	114+41.17	57.00	622.684	622.678
F	114+51.17	57.00	622.686	622.694
G	114+61.17	57.00	622.692	622.715
H	114+71.17	57.00	622.696	622.727
I	114+81.17	57.00	622.698	622.725
J	114+91.17	57.00	622.698	622.710
℄ Brg. E. Abut.	114+96.59	57.00	622.697	622.697
℄ Exp. Jt.	114+98.03	57.00	622.696	622.696
Bk. E. Abut.	114+99.67	57.00	622.696	622.696

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	113+74.08	64.33	622.427	622.427
℄ Exp. Jt.	113+75.72	64.33	622.430	622.430
℄ Brg. W. Abut.	113+77.17	64.33	622.433	622.433
A	113+87.17	64.33	622.452	622.473
B	113+97.17	64.33	622.471	622.500
C	114+07.07	64.33	622.488	622.517
D	114+17.07	64.33	622.503	622.519
E	114+27.07	64.33	622.516	622.519
℄ Brg. Pier	114+32.58	64.33	622.522	622.522
F	114+42.58	64.33	622.532	622.540
G	114+52.58	64.33	622.540	622.563
H	114+62.58	64.33	622.546	622.577
I	114+72.58	64.33	622.550	622.577
J	114+82.58	64.33	622.551	622.563
℄ Brg. E. Abut.	114+88.00	64.33	622.551	622.551
℄ Exp. Jt.	114+89.45	64.33	622.551	622.551
Bk. E. Abut.	114+91.08	64.33	622.551	622.551

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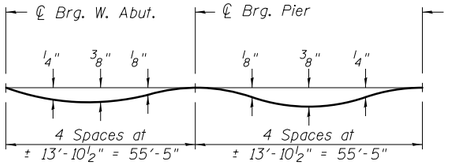
USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 30.6768 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS – II
STRUCTURE NO. 046–0035
SHEET NO. S9 OF S47 SHEETS

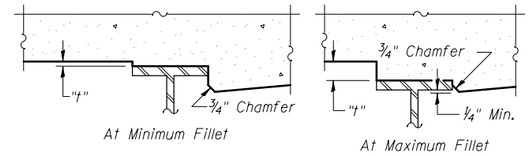
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	45
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		



DEAD LOAD DEFLECTION DIAGRAM

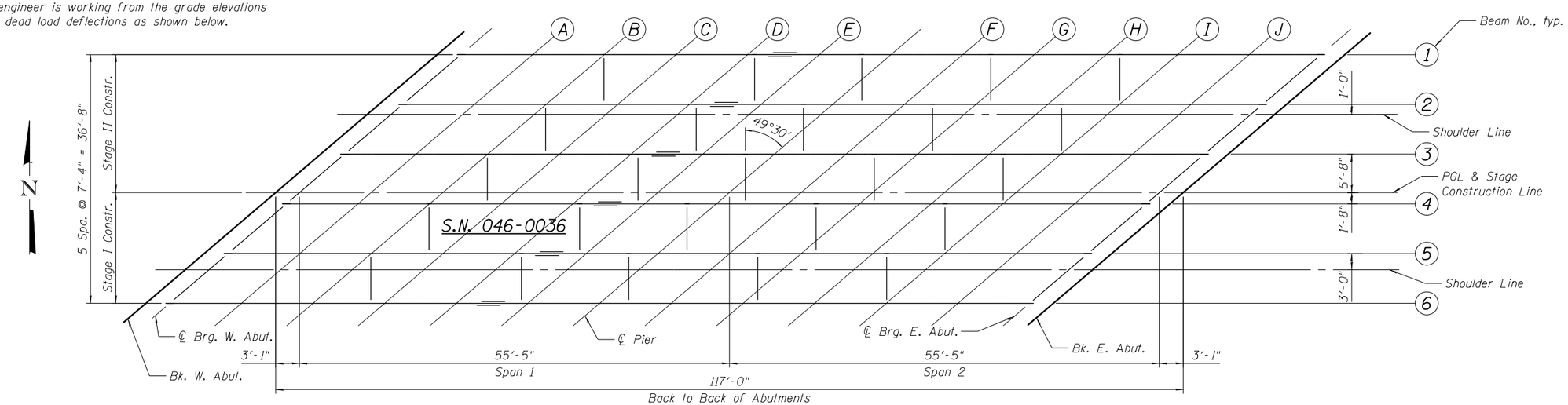
(Includes weight of concrete only.)

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



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets S10 and S11, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

℄ IL Rte 17

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	115+24.74	-64.33	622.563	622.563
℄ Exp. Jt.	115+26.37	-64.33	622.565	622.565
℄ Brg. W. Abut.	115+27.82	-64.33	622.567	622.567
A	115+37.82	-64.33	622.578	622.599
B	115+47.82	-64.33	622.586	622.615
C	115+57.82	-64.33	622.592	622.621
D	115+67.82	-64.33	622.595	622.611
E	115+77.82	-64.33	622.595	622.598
℄ Brg. Pier	115+83.24	-64.33	622.584	622.594
F	115+93.24	-64.33	622.590	622.598
G	116+03.24	-64.33	622.583	622.606
H	116+13.24	-64.33	622.574	622.605
I	116+23.24	-64.33	622.562	622.589
J	116+33.24	-64.33	622.547	622.559
℄ Brg. E. Abut.	116+38.65	-64.33	622.538	622.538
℄ Exp. Jt.	116+40.10	-64.33	622.535	622.535
Bk. E. Abut.	116+41.74	-64.33	622.532	622.532

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	115+16.15	-57.00	622.697	622.697
℄ Exp. Jt.	115+17.79	-57.00	622.700	622.700
℄ Brg. W. Abut.	115+19.23	-57.00	622.702	622.702
A	115+29.23	-57.00	622.715	622.736
B	115+39.23	-57.00	622.726	622.755
C	115+49.23	-57.00	622.734	622.763
D	115+59.23	-57.00	622.739	622.755
E	115+69.23	-57.00	622.741	622.744
℄ Brg. Pier	115+74.65	-57.00	622.742	622.742
F	115+84.65	-57.00	622.740	622.748
G	115+94.65	-57.00	622.736	622.759
H	116+04.65	-57.00	622.729	622.760
I	116+14.65	-57.00	622.719	622.746
J	116+24.65	-57.00	622.706	622.718
℄ Brg. E. Abut.	116+30.07	-57.00	622.699	622.699
℄ Exp. Jt.	116+31.51	-57.00	622.696	622.696
Bk. E. Abut.	113+33.15	-57.00	622.694	622.694

SHOULDER LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	115+14.98	-56.00	622.715	622.715
℄ Exp. Jt.	115+16.62	-56.00	622.718	622.718
℄ Brg. W. Abut.	115+18.06	-56.00	622.720	622.720
A	115+28.06	-56.00	622.734	622.755
B	115+38.06	-56.00	622.745	622.774
C	115+48.06	-56.00	622.453	622.782
D	115+58.06	-56.00	622.458	622.774
E	115+68.06	-56.00	622.761	622.764
℄ Brg. Pier	115+73.48	-56.00	622.762	622.762
F	115+83.48	-56.00	622.760	622.768
G	115+93.48	-56.00	622.756	622.779
H	116+03.48	-56.00	622.750	622.781
I	116+13.48	-56.00	622.740	622.767
J	116+23.48	-56.00	622.728	622.740
℄ Brg. E. Abut.	116+28.90	-56.00	622.720	622.720
℄ Exp. Jt.	116+30.34	-56.00	622.718	622.718
Bk. E. Abut.	116+31.98	-56.00	622.716	622.716

E-S 2-17-2017

MODEL NAME = Default
FILE NAME = F:\330\ D07010d 3\330IL 17 Over Baker Creek\6-Drawings\CADD-Sheets\0460035_36-66F57-00MBlock.dgn

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USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 30.6768 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS – III
STRUCTURE NO. 046-0036
SHEET NO. S10 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	46
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	115+07.56	-49.67	622.799	622.799
℄ Exp. Jt.	115+09.20	-49.67	622.802	622.802
℄ Brg. W. Abut.	115+10.65	-49.67	622.804	622.804
A	115+20.65	-49.67	622.819	622.840
B	115+30.65	-49.67	622.832	622.861
C	115+40.65	-49.67	622.842	622.871
D	115+50.65	-49.67	622.850	622.866
E	115+60.65	-49.67	622.841	622.857
℄ Brg. Pier	115+66.06	-49.67	622.856	622.856
F	115+76.06	-49.67	622.857	622.865
G	115+86.06	-49.67	622.855	622.878
H	115+96.06	-49.67	622.850	622.881
I	116+06.06	-49.67	622.842	622.869
J	116+16.06	-49.67	622.832	622.844
℄ Brg. E. Abut.	116+21.48	-49.67	622.826	622.826
℄ Exp. Jt.	116+22.93	-49.67	622.824	622.824
Bk. E. Abut.	116+24.56	-49.67	622.822	622.822

PGL & STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	115+00.93	-44.00	622.874	622.874
℄ Exp. Jt.	115+02.57	-44.00	622.877	622.874
℄ Brg. W. Abut.	115+04.01	-44.00	622.879	622.879
A	115+14.01	-44.00	622.894	622.915
B	115+24.01	-44.00	622.909	622.938
C	115+34.01	-44.00	622.921	622.950
D	115+44.01	-44.00	622.930	622.946
E	115+54.01	-44.00	622.937	622.940
℄ Brg. Pier	115+59.43	-44.00	622.939	622.939
F	115+69.43	-44.00	622.941	622.949
G	115+79.43	-44.00	622.941	622.964
H	115+89.43	-44.00	622.938	622.969
I	115+99.43	-44.00	622.933	622.960
J	116+09.43	-44.00	622.924	622.936
℄ Brg. E. Abut.	116+14.85	-44.00	622.919	622.919
℄ Exp. Jt.	116+16.29	-44.00	622.917	622.917
Bk. E. Abut.	116+17.93	-44.00	622.915	622.915

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	114+98.98	-42.33	622.846	622.846
℄ Exp. Jt.	115+00.62	-42.33	622.849	622.849
℄ Brg. W. Abut.	115+02.06	-42.33	622.851	622.851
A	115+12.06	-42.33	622.866	622.887
B	115+22.06	-42.33	622.881	622.910
C	115+32.06	-42.33	622.893	622.922
D	115+42.06	-42.33	622.903	622.919
E	115+52.06	-42.33	622.910	622.913
℄ Brg. Pier	115+57.48	-42.33	622.913	622.913
F	115+67.48	-42.33	622.916	622.924
G	115+77.48	-42.33	622.916	622.939
H	115+87.48	-42.33	622.914	622.945
I	115+97.48	-42.33	622.909	622.936
J	116+07.48	-42.33	622.901	622.913
℄ Brg. E. Abut.	116+12.90	-42.33	622.896	622.896
℄ Exp. Jt.	116+14.34	-42.33	622.894	622.894
Bk. E. Abut.	116+15.98	-42.33	922.892	622.892

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	114+90.39	-35.00	622.724	622.724
℄ Exp. Jt.	114+92.03	-35.00	622.726	622.726
℄ Brg. W. Abut.	114+93.48	-35.00	622.728	622.728
A	115+03.48	-35.00	622.743	622.764
B	115+13.48	-35.00	622.758	622.787
C	115+23.48	-35.00	622.773	622.802
D	115+33.48	-35.00	622.785	622.801
E	115+43.48	-35.00	622.794	622.797
℄ Brg. Pier	115+48.89	-35.00	622.798	622.798
F	115+58.89	-35.00	622.0804	622.812
G	115+68.89	-35.00	622.806	622.829
H	115+78.89	-35.00	622.806	622.837
I	115+88.89	-35.00	622.803	622.830
J	115+98.89	-35.00	622.798	622.810
℄ Brg. E. Abut.	116+04.31	-35.00	622.794	622.794
℄ Exp. Jt.	116+05.75	-35.00	622.793	622.793
Bk. E. Abut.	116+07.39	-35.00	622.791	622.791

SHOULDER LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	114+86.88	-32.00	622.673	622.673
℄ Exp. Jt.	114+88.52	-32.00	622.676	622.676
℄ Brg. W. Abut.	114+89.96	-32.00	622.678	622.678
A	114+99.96	-32.00	622.693	622.714
B	115+09.96	-32.00	622.708	622.737
C	115+19.96	-32.00	622.723	622.752
D	115+29.96	-32.00	622.736	622.752
E	115+39.96	-32.00	622.746	622.749
℄ Brg. Pier	115+45.38	-32.00	622.751	622.751
F	115+55.38	-32.00	622.757	622.765
G	115+65.38	-32.00	622.761	622.784
H	115+75.38	-32.00	622.762	622.793
I	115+85.38	-32.00	622.760	622.787
J	115+95.38	-32.00	622.755	622.767
℄ Brg. E. Abut.	116+00.80	-32.00	622.752	622.752
℄ Exp. Jt.	116+02.24	-32.00	622.75	622.750
Bk. E. Abut.	116+03.88	-32.00	622.749	622.749

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	114+81.81	-27.67	622.579	622.579
℄ Exp. Jt.	114+83.44	-27.67	622.582	622.582
℄ Brg. W. Abut.	114+84.89	-27.67	622.584	622.584
A	114+94.89	-27.67	622.599	622.620
B	115+04.89	-27.67	622.614	622.643
C	115+14.89	-27.67	622.629	622.658
D	115+24.89	-27.67	622.64	622.659
E	115+34.89	-27.67	622.655	622.658
℄ Brg. Pier	115+40.31	-27.67	622.66	622.660
F	115+50.31	-27.67	622.668	622.676
G	115+60.31	-27.67	622.673	622.696
H	115+70.31	-27.67	622.675	622.706
I	115+80.31	-27.67	622.674	622.701
J	115+90.31	-27.67	622.671	622.683
℄ Brg. E. Abut.	115+95.72	-27.67	622.668	622.668
℄ Exp. Jt.	115+97.17	-27.67	622.667	622.667
Bk. E. Abut.	115+98.81	-27.67	622.666	622.666

NORTH EDGE OF SHOULDER

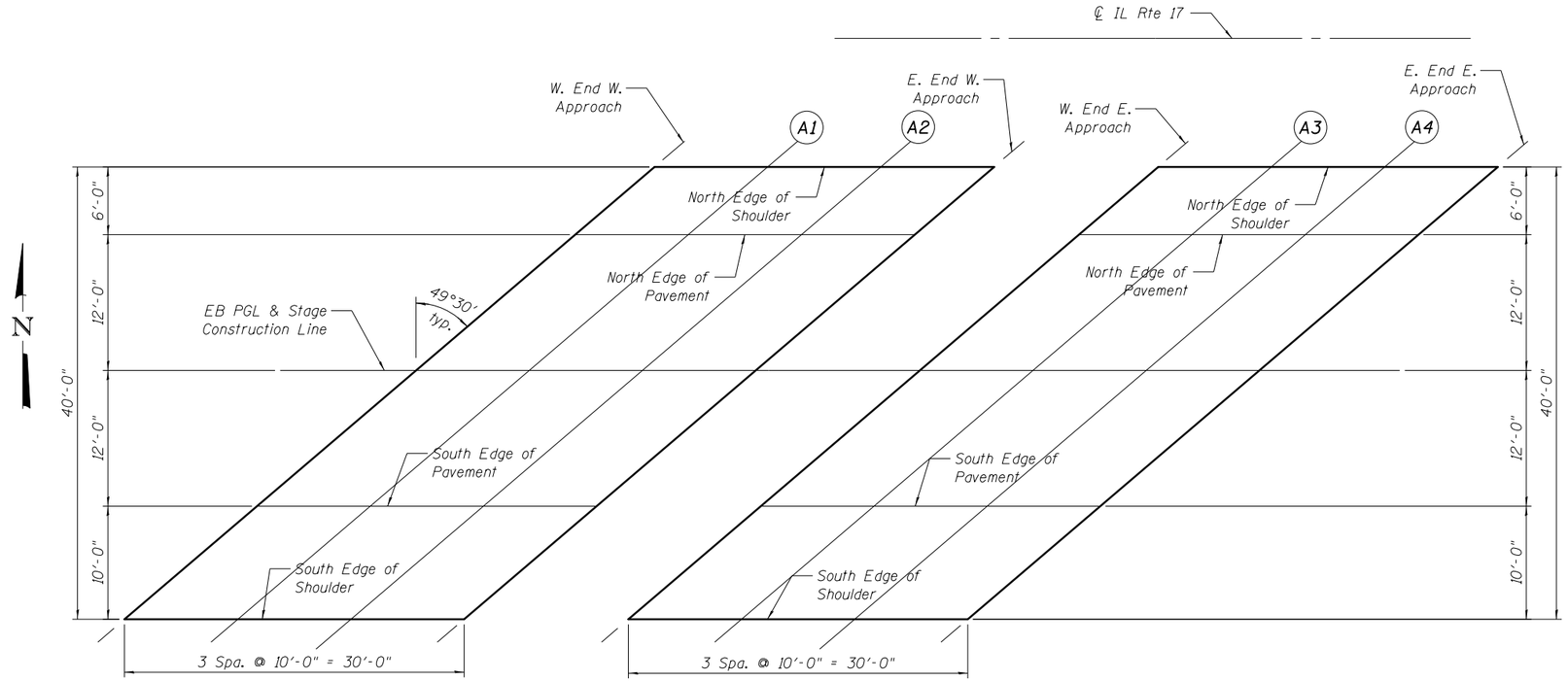
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	113+88.97	26.00	622.502
A1	113+98.97	26.00	622.521
A2	114+08.97	26.00	622.538
E. End of W. Approach	114+18.97	26.00	622.552
W. End of E. Approach	115+35.97	26.00	622.572
A3	115+45.97	26.00	622.561
A4	115+55.97	26.00	622.547
E. End of E. Approach	115+65.97	26.00	622.532

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	113+81.94	32.00	622.609
A1	113+91.94	32.00	622.628
A2	114+01.94	32.00	622.646
E. End of W. Approach	114+11.94	32.00	622.662
W. End of E. Approach	115+28.94	32.00	622.699
A3	115+38.94	32.00	622.689
A4	115+48.94	32.00	622.677
E. End of E. Approach	115+58.94	32.00	622.663

PGL & STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	113+67.89	44.00	622.762
A1	113+77.89	44.00	622.781
A2	113+87.89	44.00	622.800
E. End of W. Approach	113+97.89	44.00	622.819
W. End of E. Approach	115+14.89	44.00	622.889
A3	115+24.89	44.00	622.882
A4	115+34.89	44.00	622.873
E. End of E. Approach	115+44.89	44.00	622.862



WEST APPROACH SLAB PLAN

EAST APPROACH SLAB PLAN

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	113+53.84	56.00	622.556
A1	113+63.84	56.00	622.575
A2	113+73.84	56.00	622.594
E. End of W. Approach	113+83.84	56.00	622.613
W. End of E. Approach	115+00.84	56.00	622.716
A3	115+10.84	56.00	622.712
A4	115+20.84	56.00	622.705
E. End of E. Approach	115+30.84	56.00	622.697

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	113+42.13	66.00	622.333
A1	113+52.13	66.00	622.352
A2	113+62.13	66.00	622.371
E. End of W. Approach	113+72.13	66.00	622.472
W. End of E. Approach	114+89.13	66.00	622.518
A3	114+99.13	66.00	622.516
A4	115+09.13	66.00	622.512
E. End of E. Approach	115+19.13	66.00	622.506

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150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
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USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 13.0123 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EB APPROACH SLAB ELEVATIONS
STRUCTURE NO. 046-0035
SHEET NO. S12 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	48
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Std 3-13-308\IL IT Over Baker Creek\6_Drawings\C400_Sheets\0460035_36-66F57-012-approach.dgn

NORTH EDGE OF SHOULDER

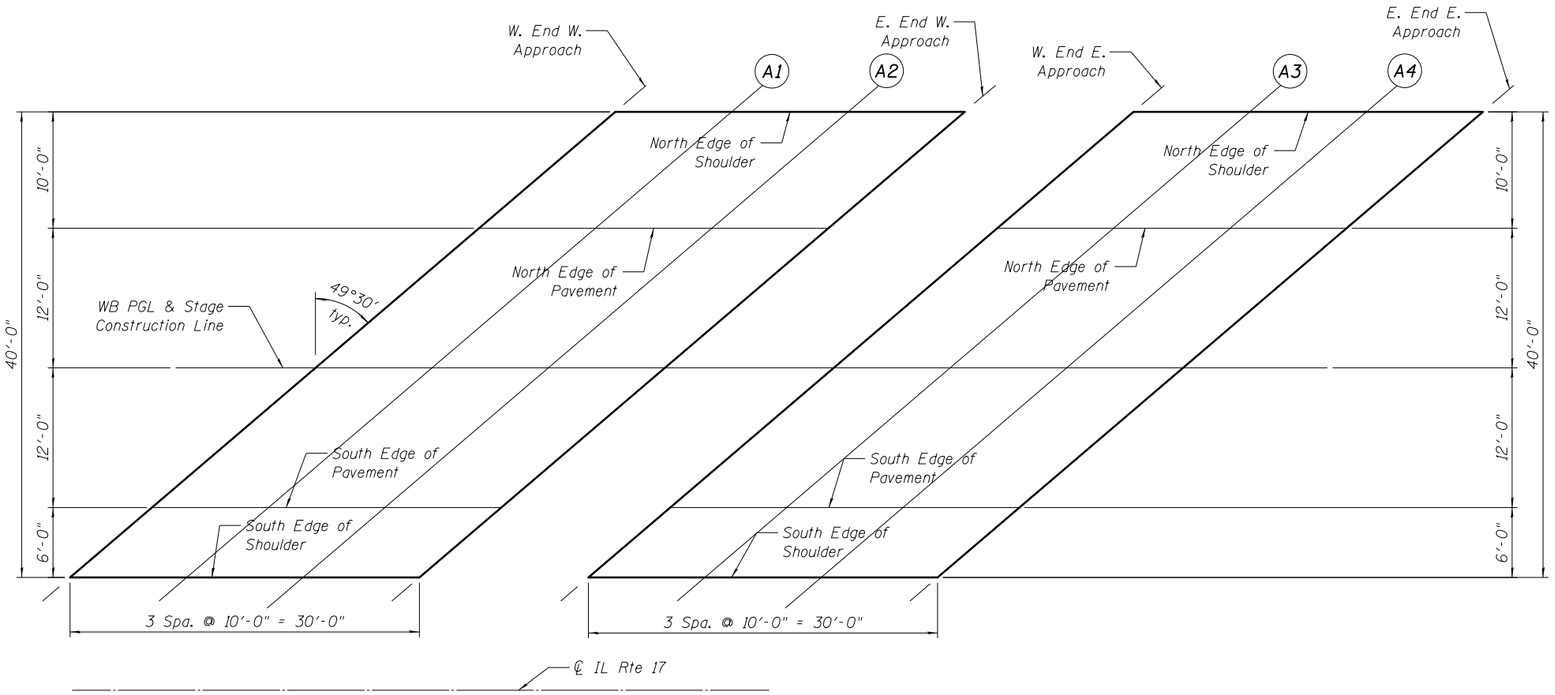
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	114+96.69	-66.00	622.425
A1	115+06.69	-66.00	622.440
A2	115+16.69	-66.00	622.455
E. End of W. Approach	115+26.69	-66.00	622.470
W. End of E. Approach	116+43.68	-66.00	622.551
A3	116+53.68	-66.00	622.542
A4	116+63.68	-66.00	622.530
E. End of E. Approach	116+73.68	-66.00	622.516

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	114+84.98	-56.00	622.608
A1	114+94.98	-56.00	622.623
A2	115+04.98	-56.00	622.638
E. End of W. Approach	115+14.98	-56.00	622.653
W. End of E. Approach	116+31.98	-56.00	622.758
A3	116+41.98	-56.00	622.752
A4	116+51.98	-56.00	622.744
E. End of E. Approach	116+61.98	-56.00	622.733

PGL & STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	114+70.93	-44.00	622.766
A1	114+80.93	-44.00	622.781
A2	114+90.93	-44.00	622.796
E. End of W. Approach	115+00.93	-44.00	622.811
W. End of E. Approach	116+17.92	-44.00	622.942
A3	116+27.92	-44.00	622.940
A4	116+37.92	-44.00	622.935
E. End of E. Approach	116+47.92	-44.00	622.928



WEST APPROACH SLAB PLAN

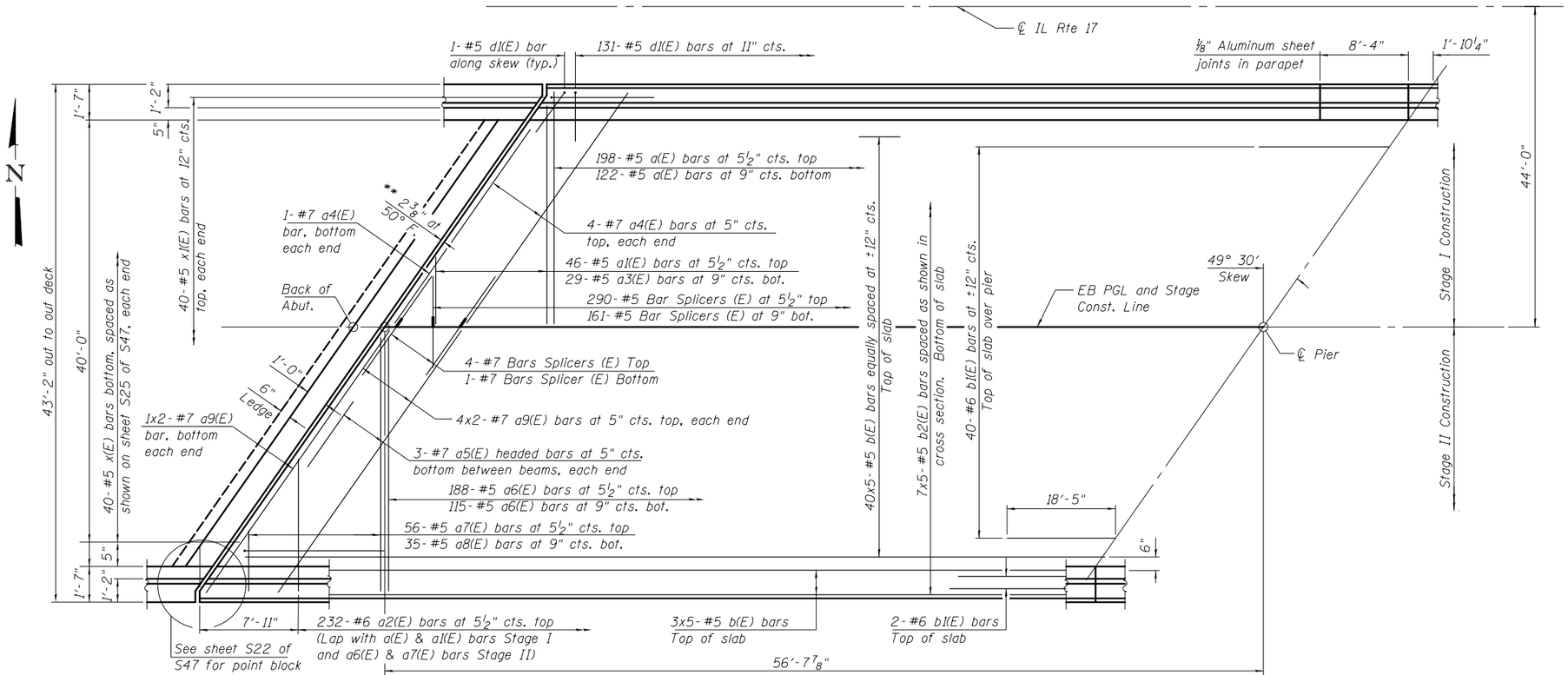
EAST APPROACH SLAB PLAN

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	114+56.88	-32.00	622.565
A1	114+66.88	-32.00	622.580
A2	114+76.88	-32.00	622.595
E. End of W. Approach	114+86.88	-32.00	622.611
W. End of E. Approach	116+03.87	-32.00	622.760
A3	116+13.87	-32.00	622.762
A4	116+23.87	-32.00	622.761
E. End of E. Approach	116+33.87	-32.00	622.757

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Approach	114+49.85	-26.00	622.435
A1	114+59.85	-26.00	622.450
A2	114+69.85	-26.00	622.465
E. End of W. Approach	114+79.85	-26.00	622.480
W. End of E. Approach	115+96.85	-26.00	622.637
A3	116+06.85	-26.00	622.641
A4	116+16.85	-26.00	622.642
E. End of E. Approach	116+26.85	-26.00	622.640



MINIMUM BAR LAP

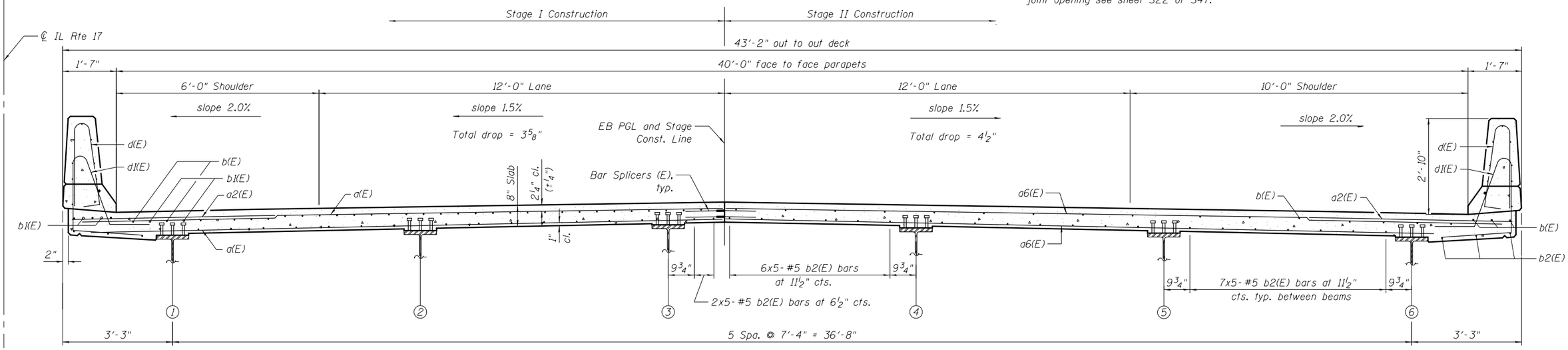
#5 bar = 3'-6"
#7 bar = 6'-9"

PARTIAL PLAN

Note: Bar series a1(E) and a3(E) used on Stage I side.
Bar series a7(E) and a8(E) used on Stage II side.

** Dimension showing concrete opening. For joint opening see sheet S22 of S47.

Notes:
See sheet S15 of S47 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.



NEAR PIER — CROSS SECTION (Looking East) — NEAR MIDSPAN

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USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 2.9843 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 046-0035
SHEET NO. S14 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	50
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

MODEL NAME = Default
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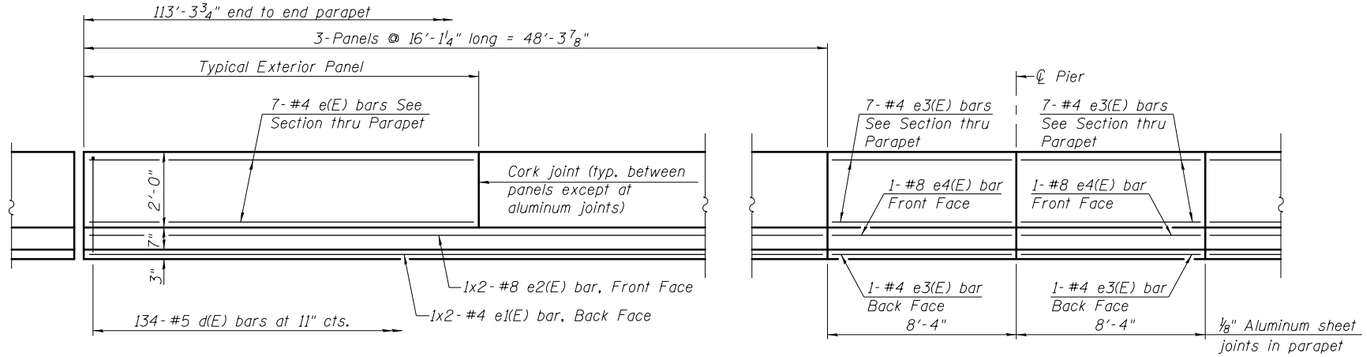
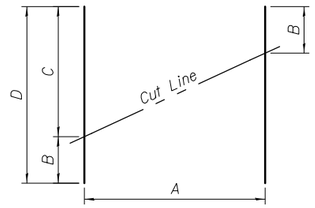


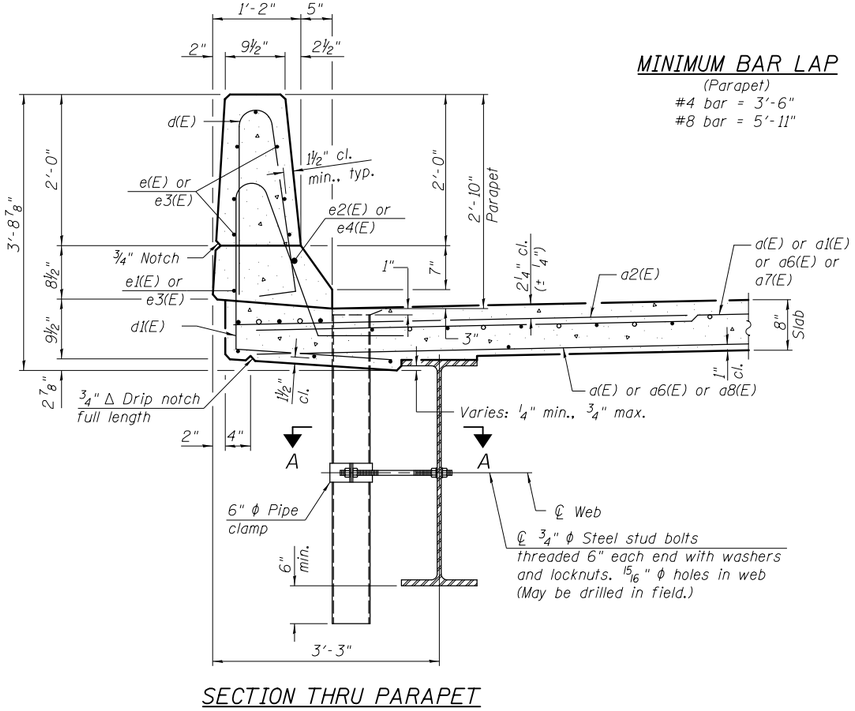
INSIDE ELEVATION OF PARAPET



CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite face as indicated on sheet S14 of S47.

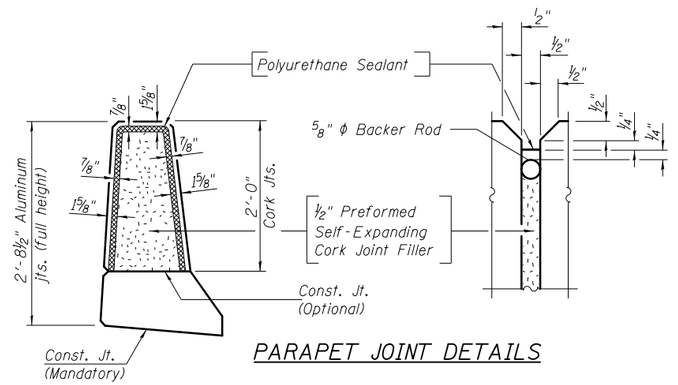
Bar	A	B	C	D
a1(E)	46- #5 bars	1'-7"	19'-2"	20'-9"
a3(E)	29- #5 bars	1'-0"	18'-11"	19'-11"
a7(E)	56- #5 bars	1'-5"	23'-0"	24'-5"
a8(E)	35- #5 bars	1'-2"	22'-10"	24'-0"



SECTION THRU PARAPET

MINIMUM BAR LAP

(Parapet)
#4 bar = 3'-6"
#8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.

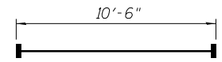
The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.

The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.

The ⅛" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

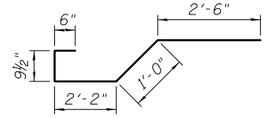
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

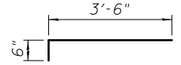


BAR a5(E)

(Headed)



BAR x(E)

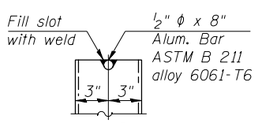


BAR x1(E)

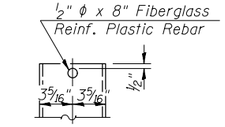
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	320	#5	19'-3"	
a1(E)	46	#5	20'-9"	
a2(E)	464	#6	6'-6"	
a3(E)	29	#5	19'-11"	
a4(E)	10	#7	29'-8"	
a5(E)	30	#7	10'-6"	
a6(E)	303	#5	23'-3"	
a7(E)	56	#5	24'-5"	
a8(E)	35	#5	24'-0"	
a9(E)	20	#7	21'-4"	
b(E)	230	#5	25'-5"	
b1(E)	44	#6	36'-10"	
b2(E)	210	#5	25'-5"	
d(E)	268	#5	5'-7"	
d1(E)	264	#5	7'-11"	
e(E)	84	#4	15'-10"	
e1(E)	8	#4	25'-9"	
e2(E)	8	#8	27'-0"	
e3(E)	32	#4	8'-1"	
e4(E)	4	#8	8'-1"	
x(E)	80	#5	6'-9"	
x1(E)	80	#5	3'-11"	
Reinforcement Bars, Epoxy Coated		Lbs.	44,900	
Concrete Superstructure		Cu. Yds.	153.5	

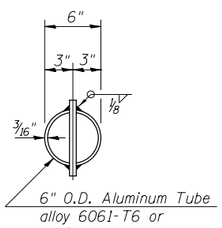
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



ALUMINUM TUBE

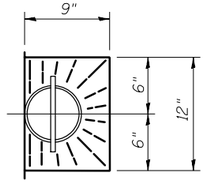


FIBERGLASS PIPE

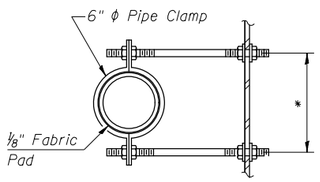


TOP PLAN

(Showing Aluminum Tube)

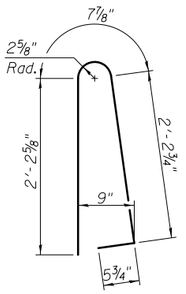


TOP PLAN

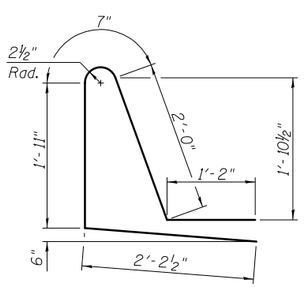


SECTION A-A

* Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

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BLOOM COMPANIES, LLC
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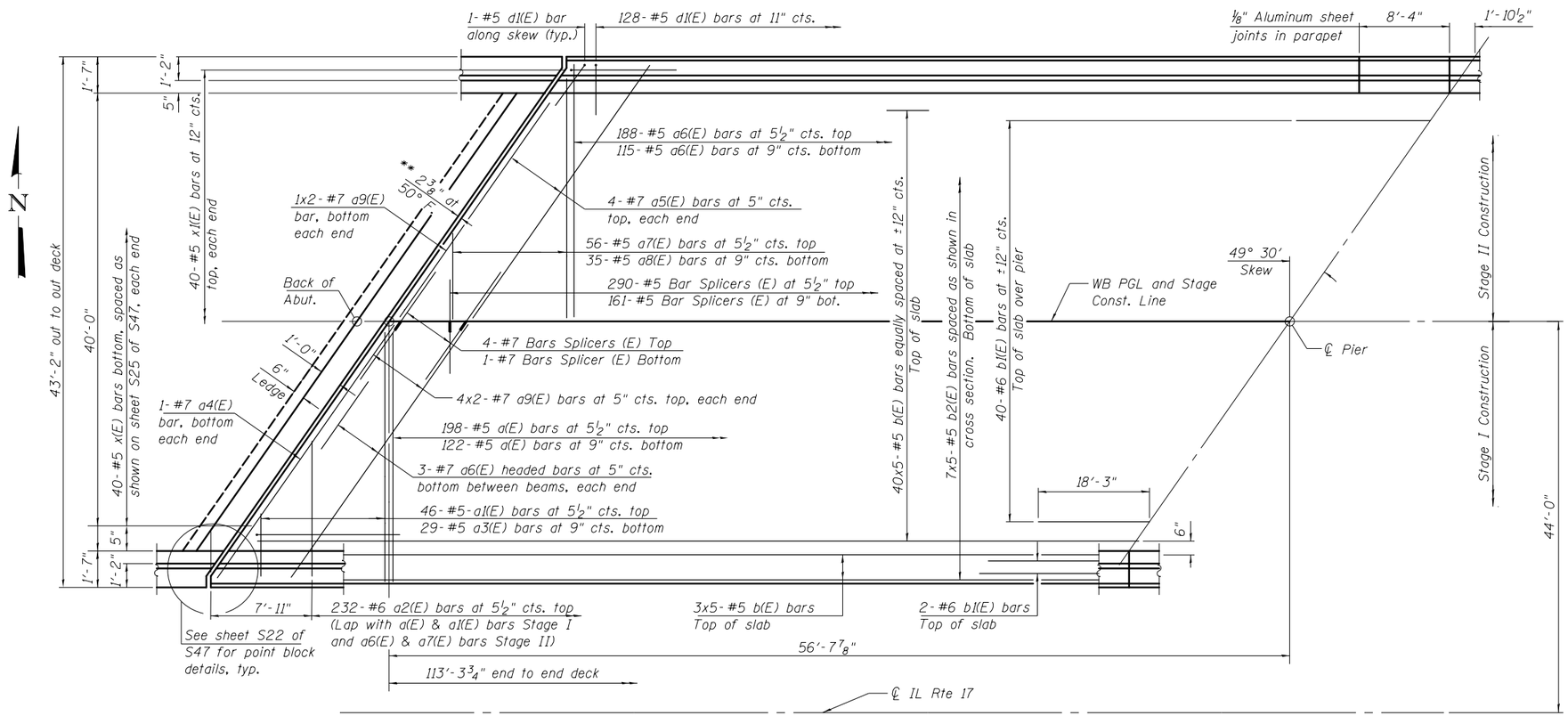
USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 046-0035
SHEET NO. S15 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	51
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



PARTIAL PLAN

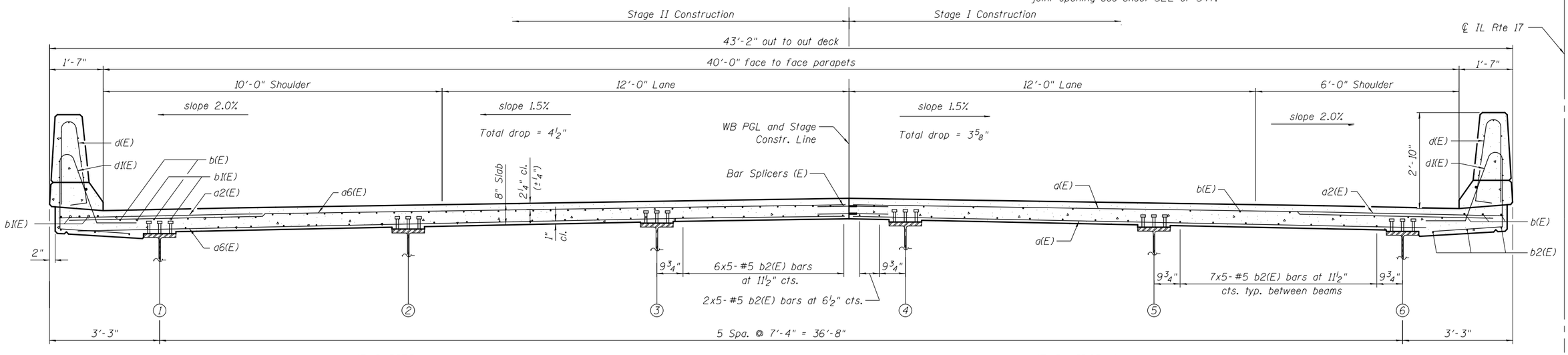
Note: Bar series a1(E) and a4(E) used on Stage I side.
Bar series a7(E) and a8(E) used on Stage II side.

** Dimension showing concrete opening. For joint opening see sheet S22 of S47.

Notes:
See sheet S17 of S47 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.

MINIMUM BAR LAP

#5 bar = 3'-6"
#7 bar = 6'-9"



NEAR PIER — NEAR MIDSPAN

CROSS SECTION

(Looking East)

MODEL NAME = Default
FILE NAME = F:\3-308 IDOT\Std 353-1308\IL 17 Over Baker Creek\6_Drawings\C400_Sheets\0460035_36G67\D6-WBdeck.dgn

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 2.9843 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 046-0036
SHEET NO. S16 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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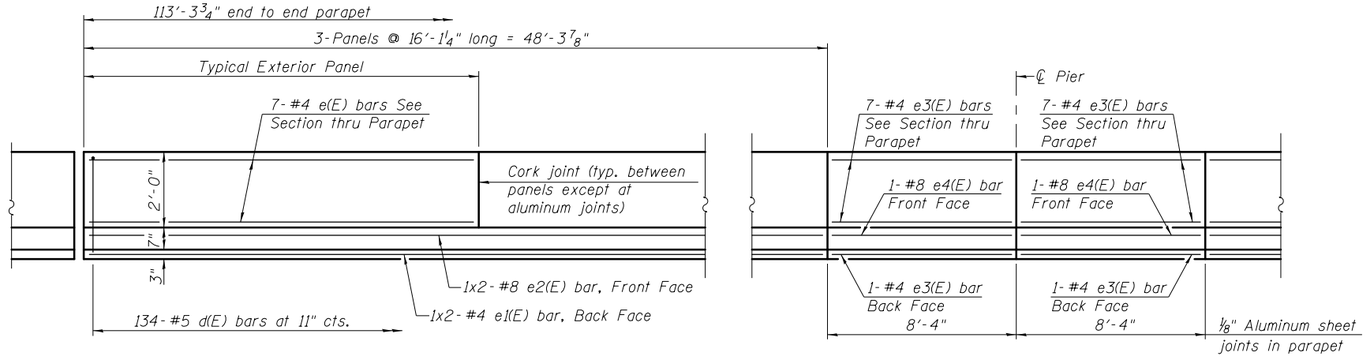
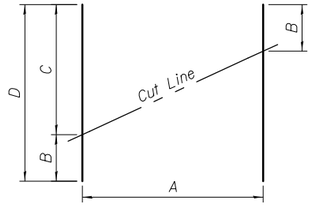
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		



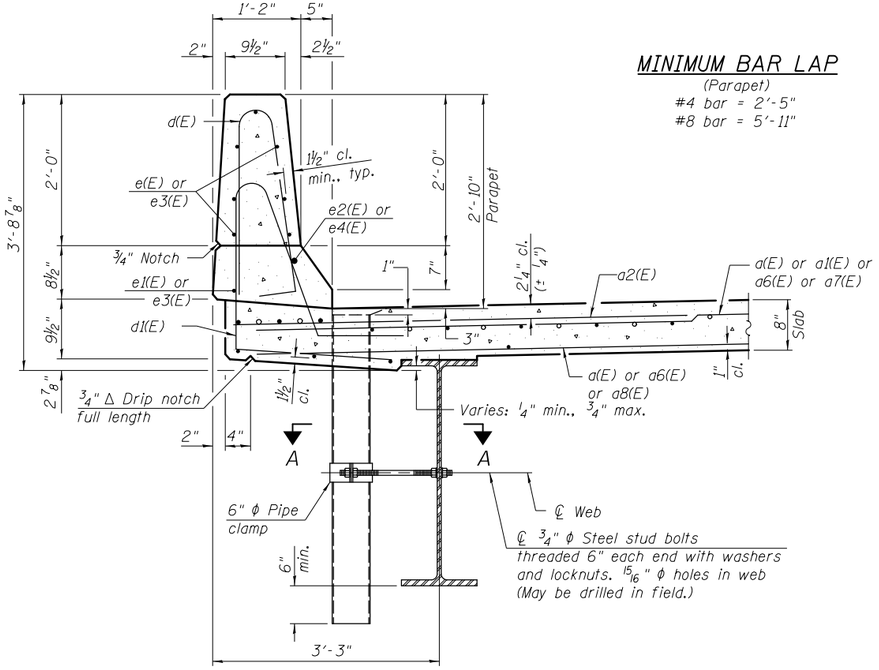
INSIDE ELEVATION OF PARAPET



CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite face as indicated on sheet S16 of S47.

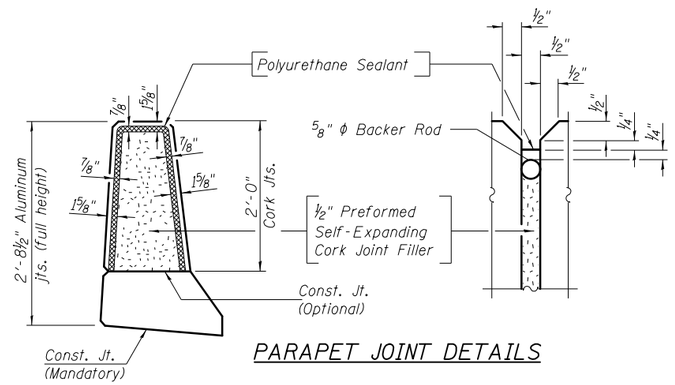
Bar	A	B	C	D
a1(E)	46- #5 bars	1'-7"	19'-2"	20'-9"
a3(E)	29- #5 bars	1'-0"	18'-11"	19'-11"
a7(E)	56- #5 bars	1'-5"	23'-0"	24'-5"
a8(E)	35- #5 bars	1'-2"	22'-10"	24'-0"



SECTION THRU PARAPET

MINIMUM BAR LAP

(Parapet)
#4 bar = 2'-5"
#8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.

The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.

The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.

The ⅛" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated 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.

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

BAR a5(E)

(Headed)

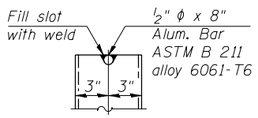
BAR x(E)

BAR x1(E)

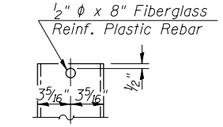
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	320	#5	19'-3"	——
a1(E)	46	#5	20'-9"	——
a2(E)	464	#6	6'-6"	——
a3(E)	29	#5	19'-11"	——
a4(E)	10	#7	29'-8"	——
a5(E)	30	#7	10'-6"	——
a6(E)	303	#5	23'-3"	——
a7(E)	56	#5	24'-5"	——
a8(E)	35	#5	24'-0"	——
a9(E)	20	#7	21'-4"	——
b(E)	230	#5	25'-5"	——
b1(E)	44	#6	36'-10"	——
b2(E)	210	#5	25'-5"	——
d(E)	268	#5	5'-7"	⌐
d1(E)	264	#5	7'-11"	⌐
e(E)	84	#4	15'-10"	——
e1(E)	8	#4	25'-9"	——
e2(E)	8	#8	27'-0"	——
e3(E)	32	#4	8'-1"	——
e4(E)	4	#8	8'-1"	——
x(E)	80	#5	6'-9"	⌐¬
x1(E)	80	#5	3'-11"	⌐¬
Reinforcement Bars, Epoxy Coated		Lbs.	44,900	
Concrete Superstructure		Cu. Yds.	153.5	

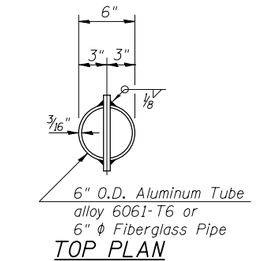
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



ALUMINUM TUBE

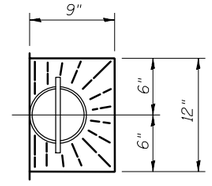


FIBERGLASS PIPE

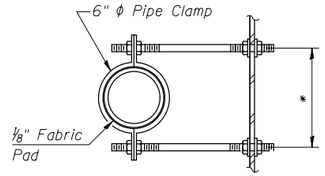


TOP PLAN

(Showing Aluminum Tube)

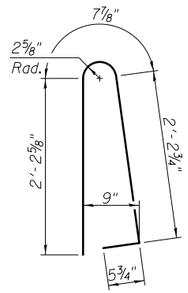


TOP PLAN

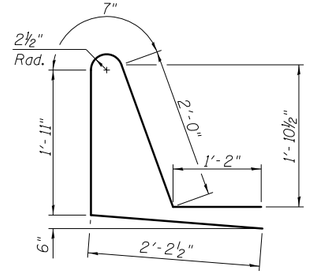


SECTION A-A

* Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

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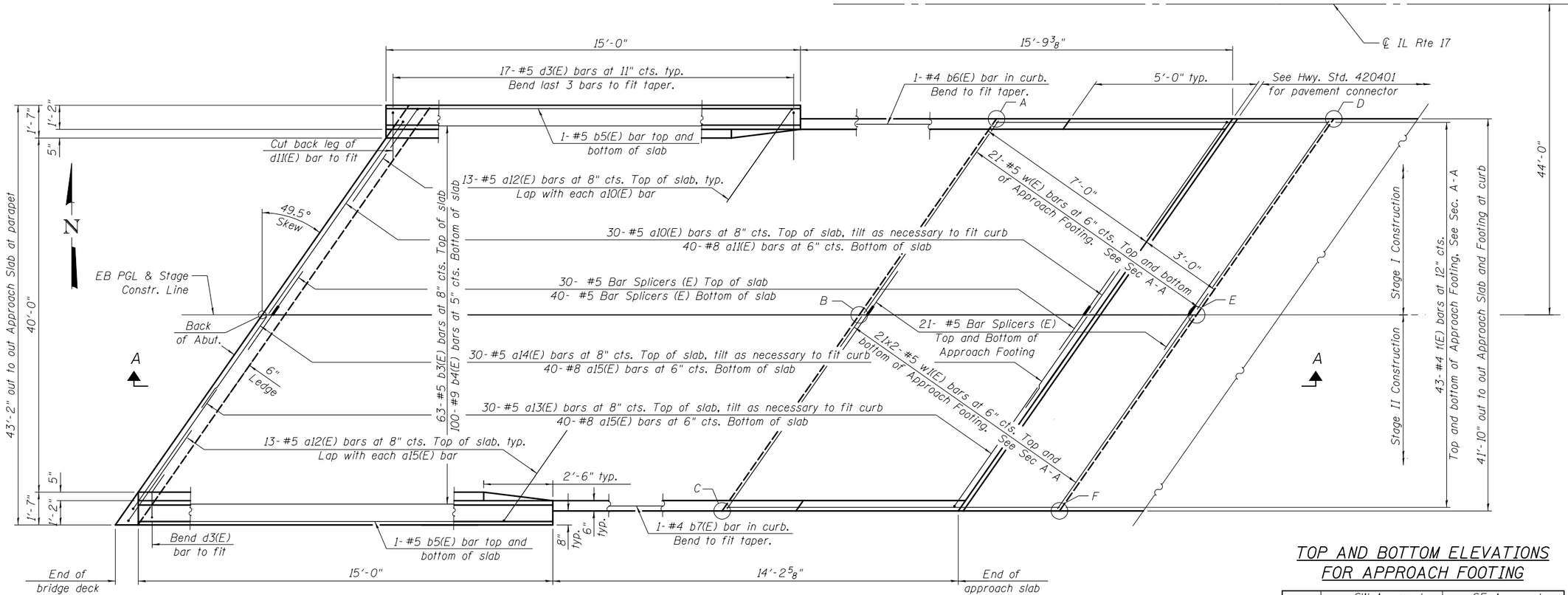
USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 046-0036
SHEET NO. S17 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	53
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



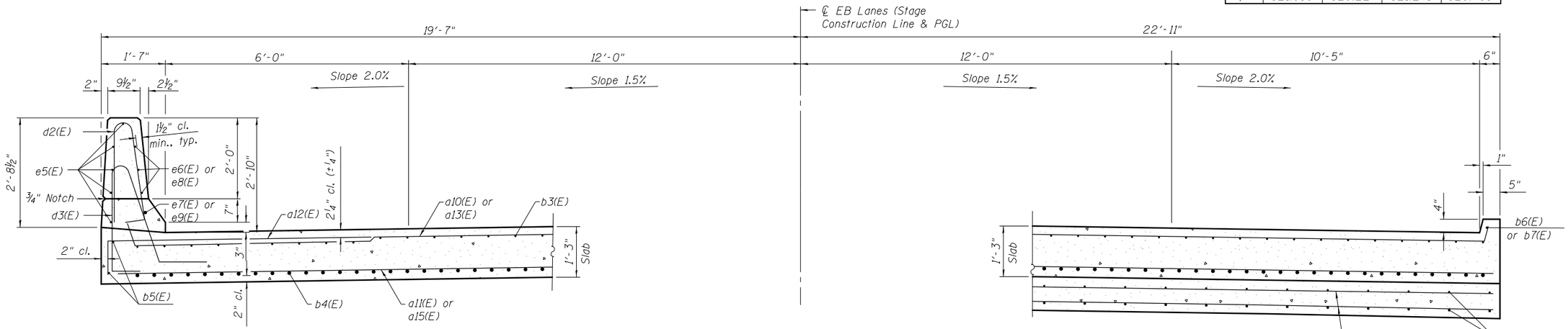
PLAN

(Southeast Approach Slab Shown)

Note: Points A & D are left of PGL for both Approaches.
Points C & F are right of PGL for both Approaches.

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

	SW Approach		SE Approach	
Point	Top	Bottom	Top	Bottom
A	621.260	620.427	621.284	620.451
B	621.533	620.700	621.624	620.791
C	621.089	620.256	621.250	620.417
D	621.232	620.399	621.260	620.427
E	621.504	620.671	621.606	620.773
F	621.060	620.227	621.241	620.408



NEAR ABUTMENT

CROSS SECTION

(Looking East)

AT APPROACH FOOTING

MODEL NAME = Default
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USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 2.6936 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EB APPROACH SLAB DETAILS
STRUCTURE NO. 046-0035
SHEET NO. S18 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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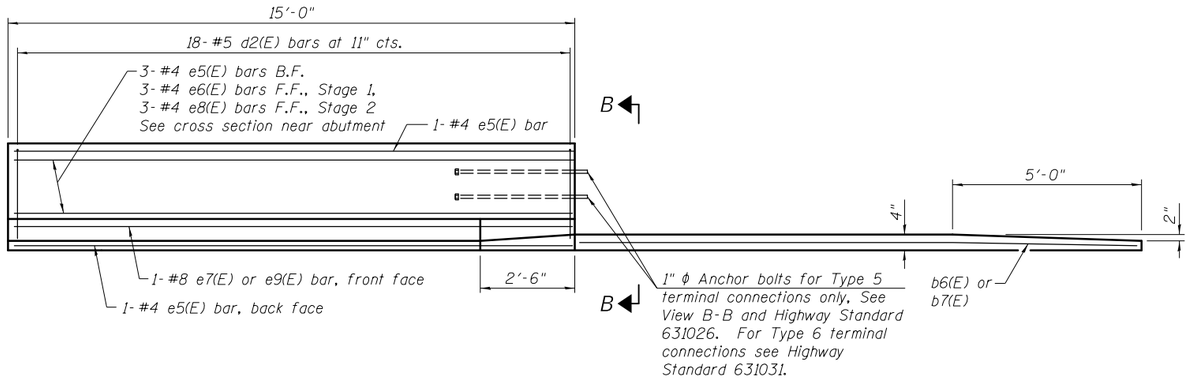
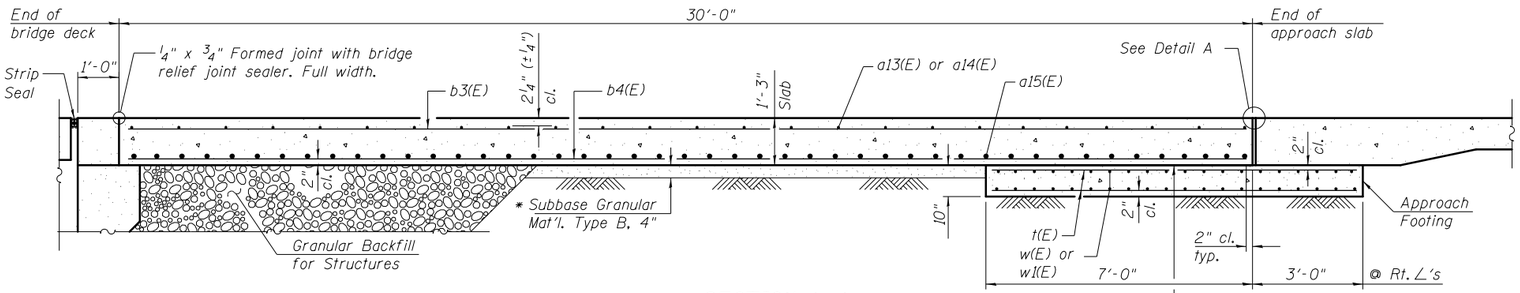
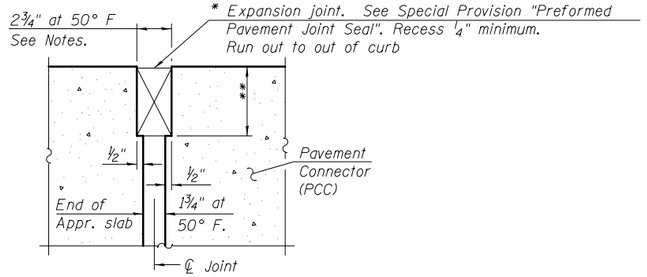
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



INSIDE ELEVATION OF PARAPET AND CURB

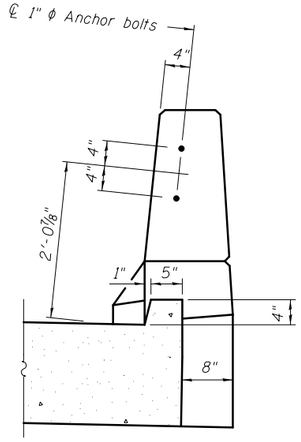


SECTION A-A

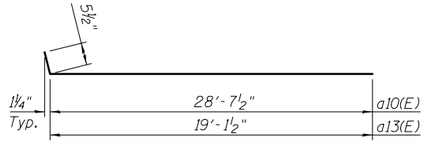


DETAIL A

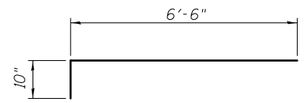
(@ Rt. ∠'s)



VIEW B-B



BAR a10(E) & a13(E)



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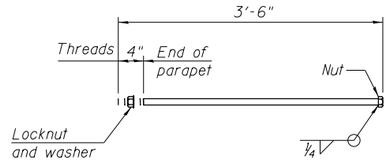


* 1" ϕ ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

Notes:

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.

Parapet concrete shall be paid for as Concrete Superstructure.

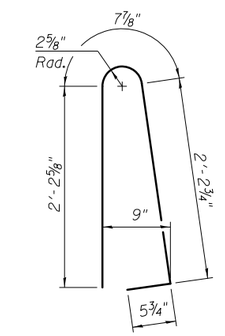
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures.

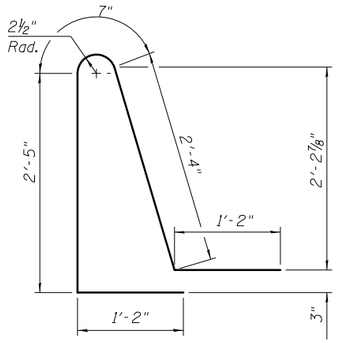
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet S2 of S47.



BAR d2(E)



BAR d3(E)

TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	60	#5	29'-1"	
a11(E)	80	#8	28'-9"	
a12(E)	54	#5	7'-4"	
a13(E)	60	#5	19'-8"	
a14(E)	60	#5	19'-3"	
a15(E)	160	#8	20'-0"	
b3(E)	126	#5	29'-7"	
b4(E)	200	#9	29'-7"	
b5(E)	8	#5	14'-9"	
b6(E)	2	#5	16'-6"	
b7(E)	2	#5	16'-0"	
d2(E)	72	#5	5'-7"	
d3(E)	62	#5	7'-8"	
e5(E)	20	#4	14'-9"	
e6(E)	6	#4	14'-3"	
e7(E)	2	#8	13'-9"	
e8(E)	6	#4	15'-3"	
e9(E)	2	#8	15'-9"	
t(E)	172	#5	15'-0"	
w(E)	42	#5	28'-9"	
w1(E)	168	#5	19'-2"	
Concrete Superstructure		Cu. Yd.	7	
Concrete Superstructure (Approach Slab)		Cu. Yd.	118.5	
Concrete Structures		Cu. Yd.	39.5	
Reinforcement Bars, Epoxy Coated		Pound	52,295	
Structure Excavation		Cu. Yd.	34.5	

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

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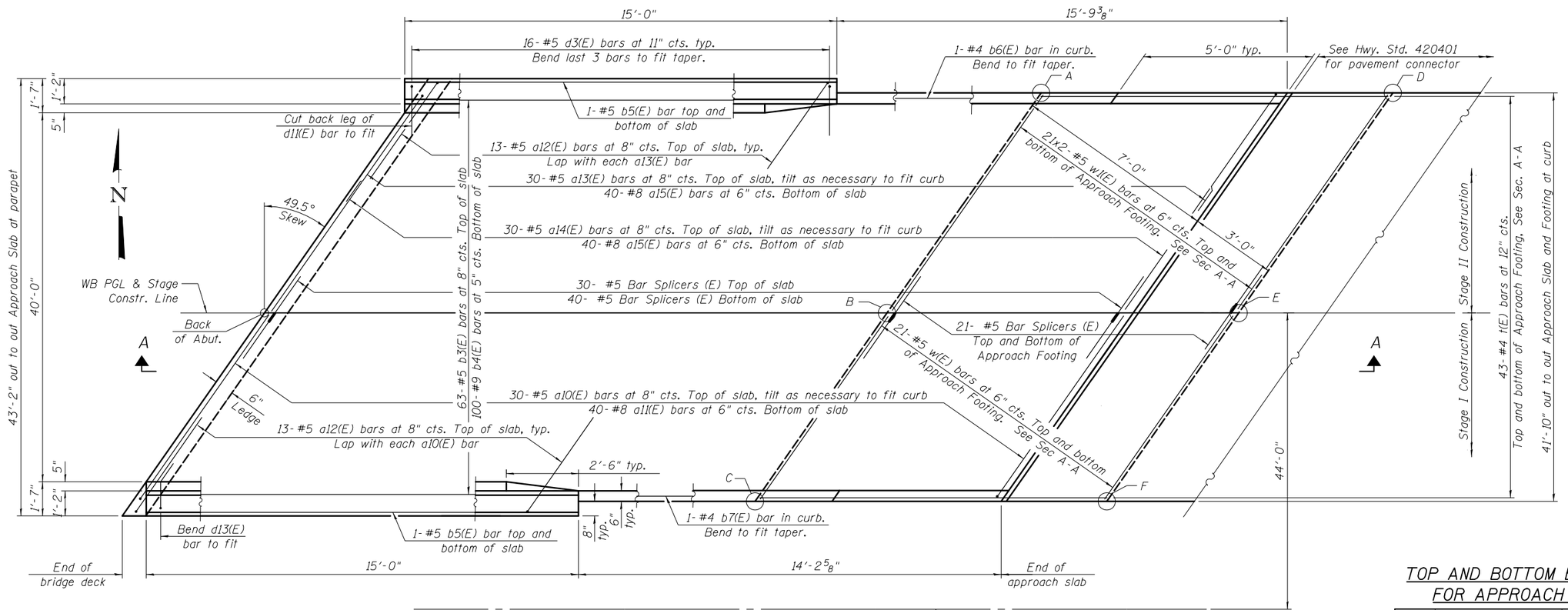
USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EB APPROACH SLAB DETAILS
STRUCTURE NO. 046-0035
SHEET NO. S19 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	55
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



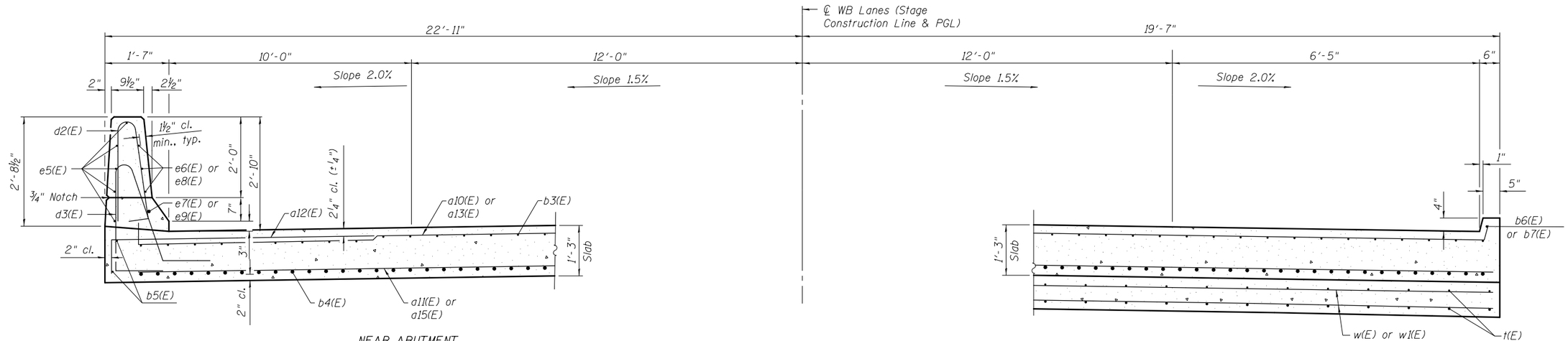
PLAN

(Northeast Approach Slab Shown)

Note: Points A & D are left of PGL for both Approaches
Points C & F are right of PGL for both Approaches

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

	NW Approach		NE Approach	
Point	Top	Bottom	Top	Bottom
A	621.242	620.409	621.189	620.356
B	621.596	620.763	621.637	620.804
C	621.249	620.416	621.355	620.522
D	621.219	620.386	621.148	620.315
E	621.573	620.740	621.607	620.774
F	621.227	620.394	621.334	620.501



NEAR ABUTMENT

CROSS SECTION

(Looking East)

AT APPROACH FOOTING

MODEL NAME = Default
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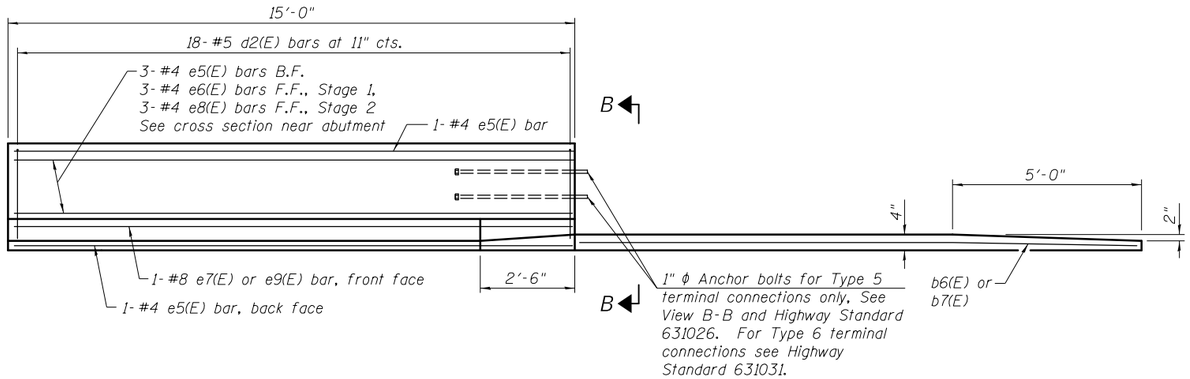
USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 2.6936 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -	

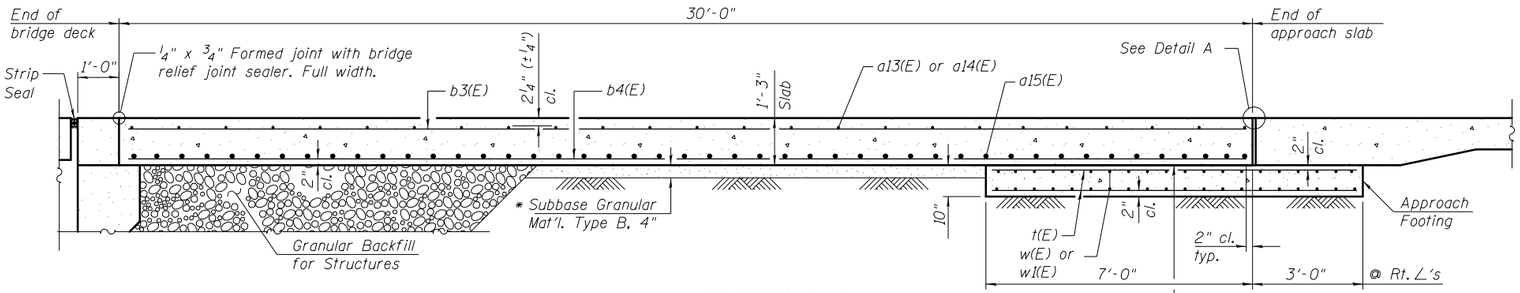
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WB APPROACH SLAB DETAILS
STRUCTURE NO. 046-0036
SHEET NO. S20 OF S47 SHEETS

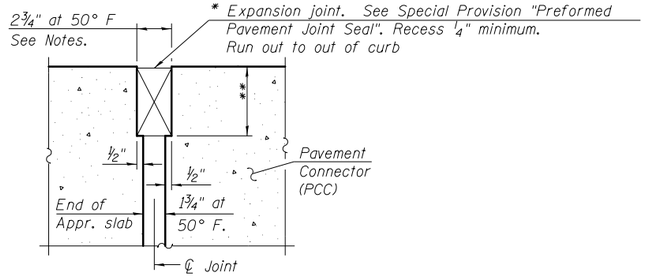
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	56
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



INSIDE ELEVATION OF PARAPET AND CURB

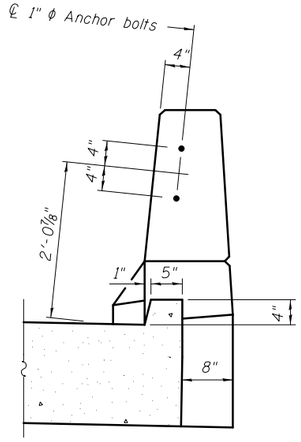


SECTION A-A



DETAIL A

(@ Rt. ∠'s)



VIEW B-B

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

Notes:

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.

Parapet concrete shall be paid for as Concrete Superstructure.

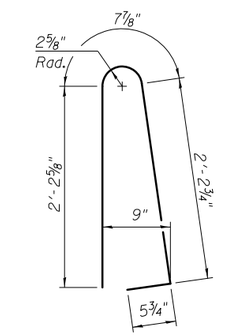
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures.

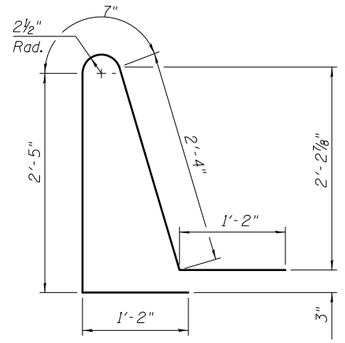
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet S2 of S47.



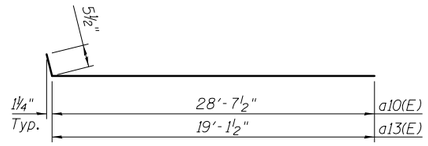
BAR d2(E)



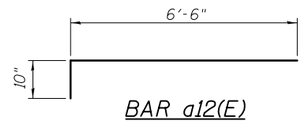
BAR d3(E)

TWO APPROACHES BILL OF MATERIAL

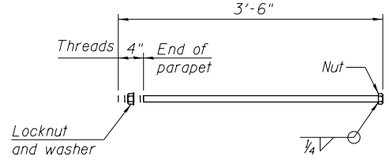
Bar	No.	Size	Length	Shape
a10(E)	60	#5	29'-1"	
a11(E)	80	#8	28'-9"	
a12(E)	54	#5	7'-4"	
a13(E)	60	#5	19'-8"	
a14(E)	60	#5	19'-3"	
a15(E)	160	#8	20'-0"	
b3(E)	126	#5	29'-7"	
b4(E)	200	#9	29'-7"	
b5(E)	8	#5	14'-9"	
b6(E)	2	#5	16'-6"	
b7(E)	2	#5	16'-0"	
d2(E)	72	#5	5'-7"	
d3(E)	62	#5	7'-8"	
e5(E)	20	#4	14'-9"	
e6(E)	6	#4	14'-3"	
e7(E)	2	#8	13'-9"	
e8(E)	6	#4	15'-3"	
e9(E)	2	#8	15'-9"	
t(E)	172	#5	15'-0"	
w(E)	42	#5	28'-9"	
w1(E)	168	#5	19'-2"	
Concrete Superstructure		Cu. Yd.	7	
Concrete Superstructure (Approach Slab)		Cu. Yd.	118.5	
Concrete Structures		Cu. Yd.	39.5	
Reinforcement Bars, Epoxy Coated		Pound	52,295	
Structure Excavation		Cu. Yd.	34.5	



BAR a10(E) & a13(E)



BAR a12(E)



* 1" ϕ ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

MODEL NAME = Default
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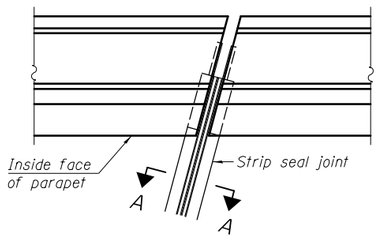
BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -

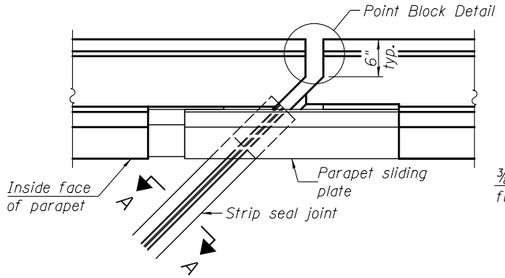
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WB APPROACH SLAB DETAILS
STRUCTURE NO. 046-0036
SHEET NO. S21 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1(R)BR-1)1	KANKAKEE	114	57
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

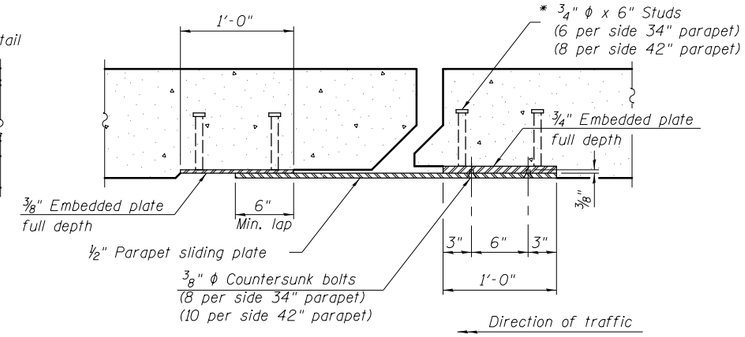


FOR SKEWS ≤ 30°

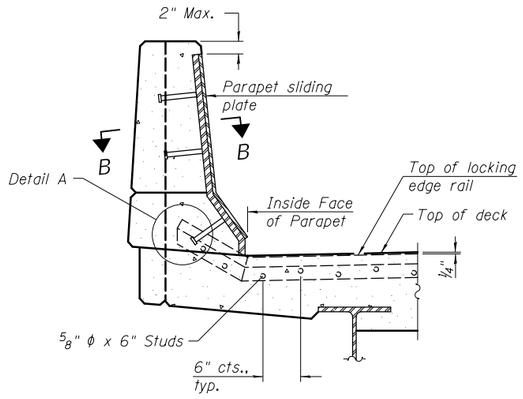


FOR SKEWS > 30°

PLAN AT PARAPET

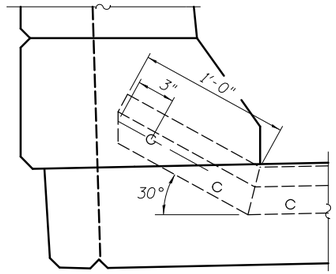


SECTION B-B

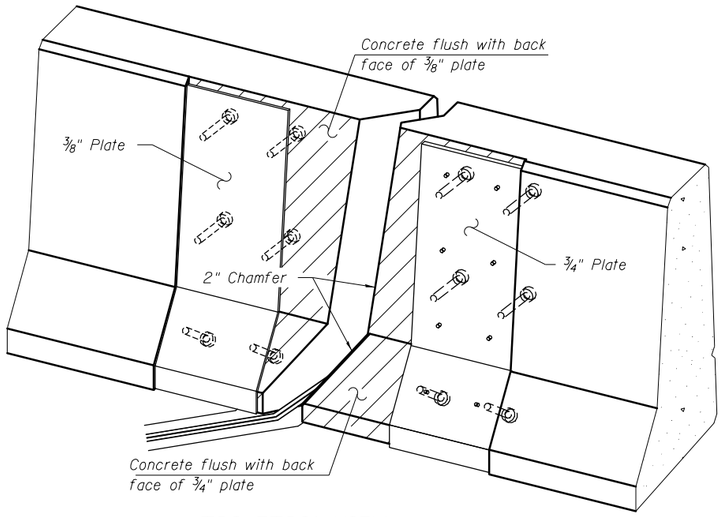


ELEVATION AT PARAPET

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)

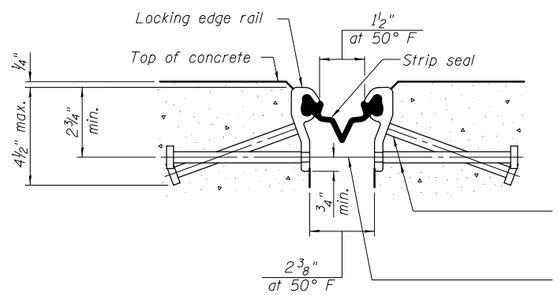


DETAIL A

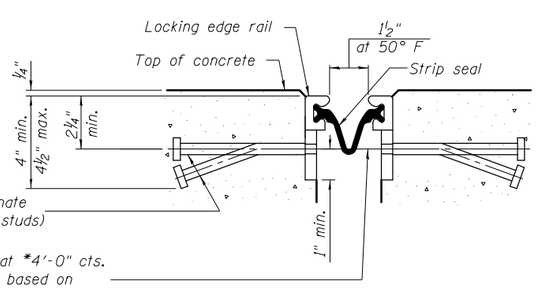


TRIMETRIC VIEW

(Showing embedded plates only)



SHOWING ROLLED RAIL JOINT



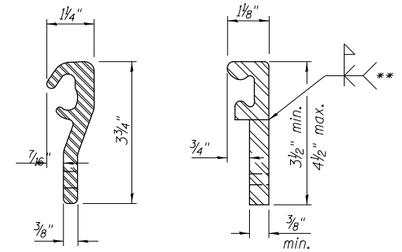
SHOWING WELDED RAIL JOINT

* 5/8" ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

3/8" ϕ threaded rods in 7/16" ϕ holes at *4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED (EXTRUDED) RAIL

WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 1/4" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

34" F-shape barrier shown, 42" F-shape similar as noted.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

BILL OF MATERIAL

ITEM	UNIT	S.N. 046-0035 QUANTITY	S.N. 046-0036 QUANTITY	TOTAL
Preformed Joint Strip Seal	Foot	127.25	127.25	254.5

MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Old 3-3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0460035_36-66F57-022-exludgn

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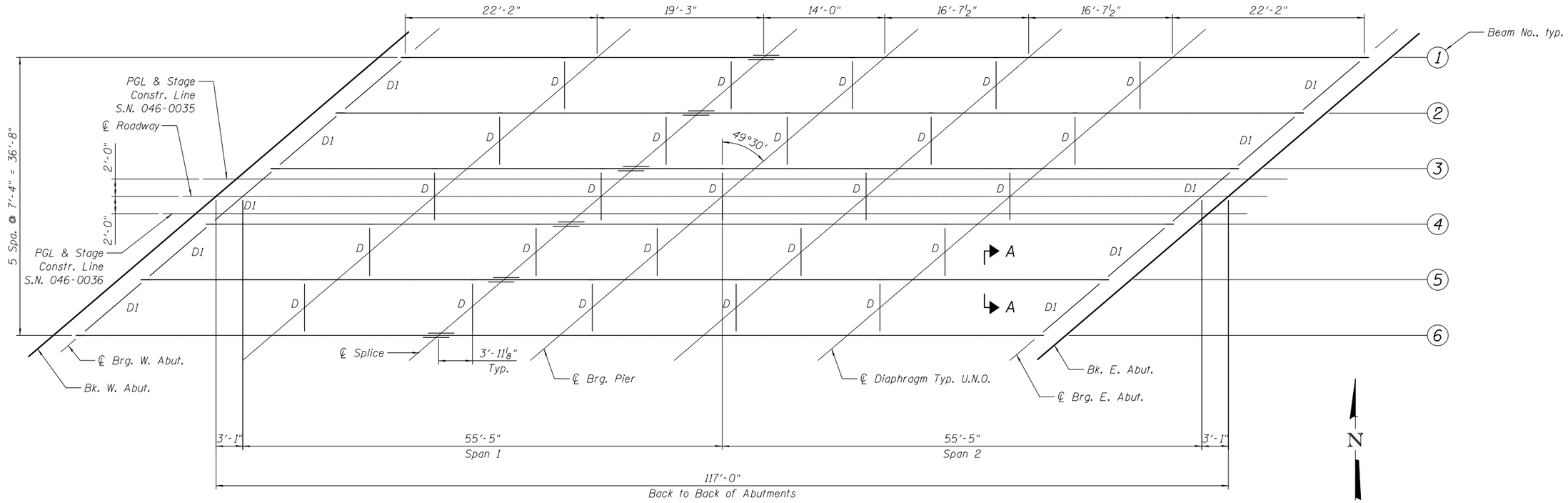
USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

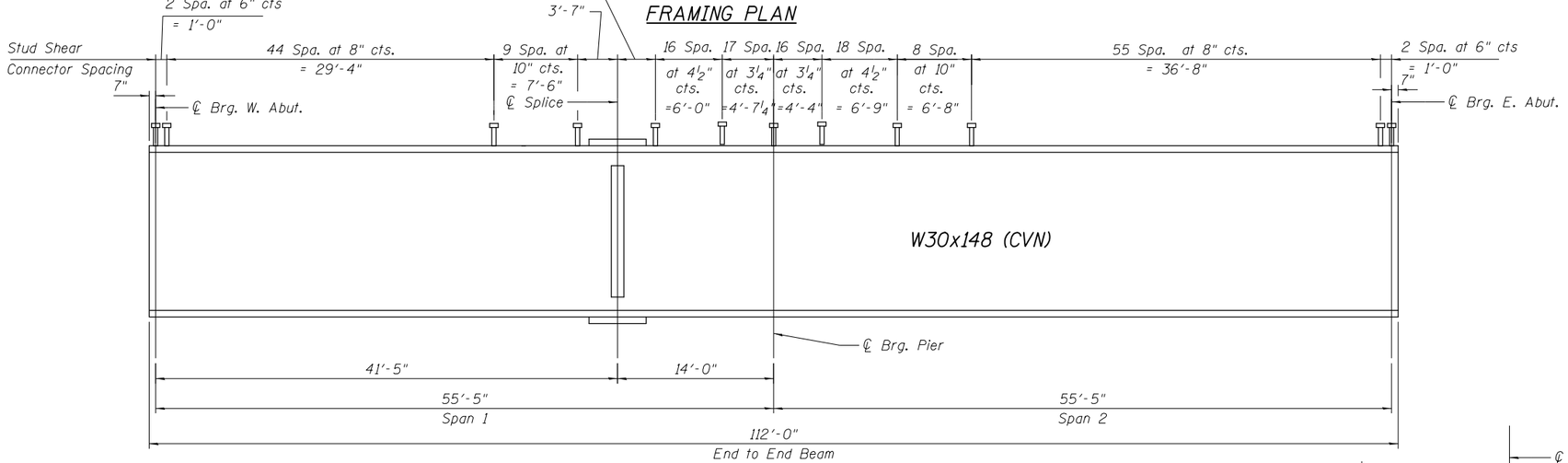
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S22 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	58
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



FRAMING PLAN



TOP OF BEAM ELEVATIONS

(For fabrication only)

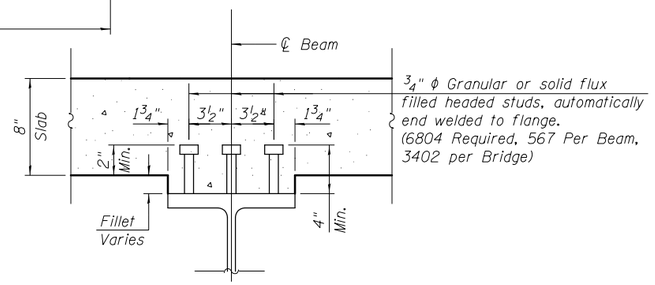
Beam	S.N. 046-0035 ℄ Brg. W. Abut.	℄ Field Splice	℄ Brg. Pier	℄ Brg. E. Abut.	S.N. 046-0036 ℄ Brg. W. Abut.	℄ Field Splice	℄ Brg. Pier	℄ Brg. E. Abut.
1	621.829	621.861	621.872	621.852	621.808	621.829	621.836	621.780
2	621.949	621.988	622.001	621.991	621.944	621.952	621.984	621.941
3	622.045	622.091	622.107	622.107	622.046	622.085	622.098	622.068
4	621.970	622.024	622.042	622.051	622.093	622.139	622.155	622.138
5	621.838	621.899	621.920	621.939	621.970	622.022	622.040	622.036
6	621.734	621.675	621.764	621.793	621.826	621.883	621.902	621.910

BEAM ELEVATION

Notes:

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

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



SECTION A-A

MODEL NAME = Default
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BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
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USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 12.5000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND STEEL BEAM ELEVATION
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S23 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	59
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

INTERIOR GIRDER MOMENT TABLE				
		0.4 Sp. 1 or 0.6 Sp. 2	Pier 1	
I_s	(in^4)	6680	6680	-
$I_c(n)$	(in^4)	20423	-	-
$I_c(3n)$	(in^4)	14834	-	-
$I_c(cr)$	(in^4)	-	8851	-
S_s	(in^3)	436	436	-
$S_c(n)$	(in^3)	689	-	-
$S_c(3n)$	(in^3)	619	-	-
$S_c(cr)$	(in^3)	-	500	-
DC1	(k/')	0.871	0.871	-
M_{DC1}	('k)	195	346	-
DC2	(k/')	0.148	0.148	-
M_{DC2}	('k)	33	59	-
DW	(k/')	0.321	0.321	-
M_{DW}	('k)	71.7	127.5	-
LLDF		0.658	0.658	-
M_{L+IM}	('k)	649	625	-
M_u (Strength I)	('k)	1528	1791	-
$\phi_r M_n$	('k)	3389	-	-
f_s DC1	(ksi)	5.4	9.5	-
f_s DC2	(ksi)	0.6	1.4	-
f_s DW	(ksi)	1.4	3.1	-
f_s (L+IM)	(ksi)	11.3	15.0	-
f_s (Service II)	(ksi)	22.1	33.5	-
$0.95R_hF_{yf}$	(ksi)	47.5	47.5	-
f_s (Total)(Strength I)	(ksi)	29.4	44.5	-
$\phi_r F_n$	(ksi)	-	50.0	-
V_r	(k)	46.1	48.5	-

GIRDER REACTION TABLE					
		Abut.		Pier	
		Interior	Exterior	Interior	Exterior
LLDF		0.767	0.767	0.767	0.767
OCF		-	1.234	-	-
R_{DC1}	(k)	18.8	23.2	62.6	62.6
R_{DC2}	(k)	3.2	3.9	10.6	10.6
R_{DW}	(k)	6.9	8.5	23.1	23.1
R_{L}	(k)	64.7	79.8	128.4	128.4
R_{Im}	(k)	17.4	21.5	31.2	31.2
R_{Total}	(k)	111	137	256	256

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 $in.^3$).

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.).

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

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+IM}$

$\phi_r M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (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_{nc}

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 (L+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).
$M_{L+IM} / S_c(n)$ or $M_{DW} / S_c(cr)$ as applicable.

f_s (Service II): Sum of stresses as computed below (ksi).
$f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3\ f_s(L+IM)$

$0.95R_hF_yf$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

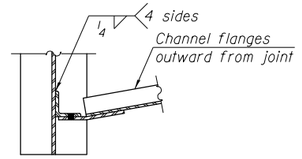
f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
$1.25\ (f_{sDC1} + f_{sDC2}) + 1.5\ f_{sDW} + 1.75\ f_s(L+IM)$

$\phi_r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

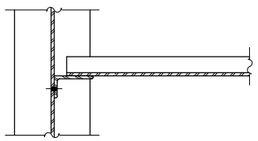
V_r: Maximum factored shear range in span computed according to Article 6.10.10.

Note:

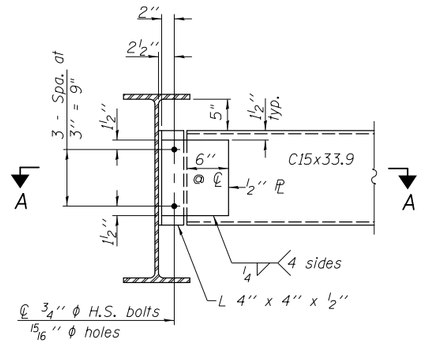
"CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.



SECTION A-A

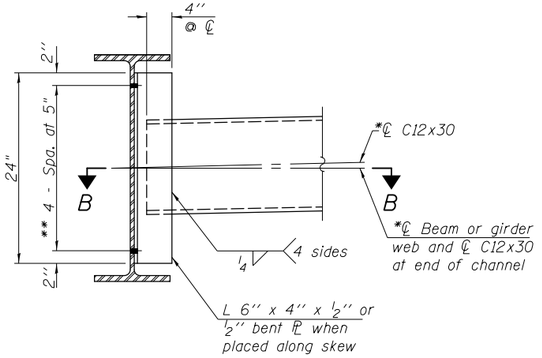


SECTION B-B



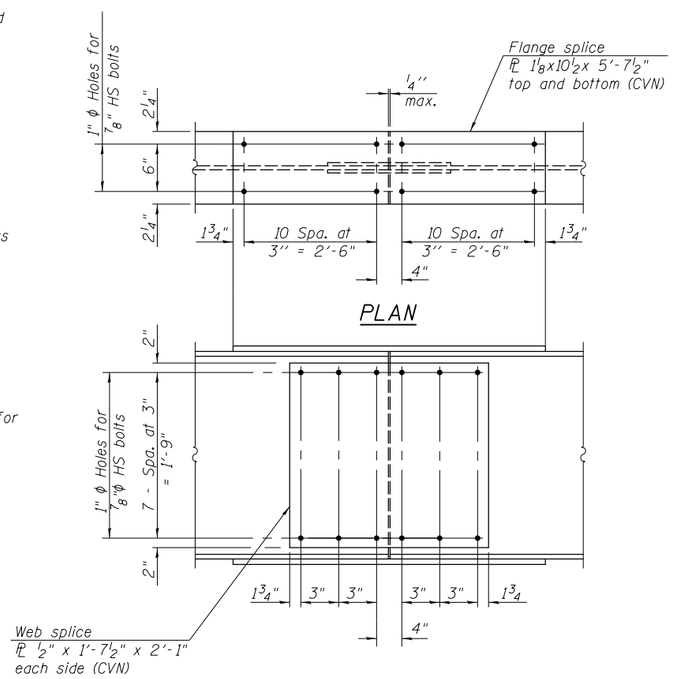
END DIAPHRAGM

Note:
Two hardened washers required for each set of oversized holes.



INTERIOR DIAPHRAGM

Note:
Two hardened washers required for each set of oversized holes.
*Alternate channels are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, if utilized, shall be provided at no additional cost to the Department.
**3/4" ϕ HS bolts, 15/16" ϕ holes



ELEVATION

SPLICE DETAIL
(6 Required per Bridge)

MODEL NAME = Default
FILE NAME = F:\3-1308 1007 Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\046035_36-66F57-024-steeldet.dgn

BLOOM COMPANIES, LLC
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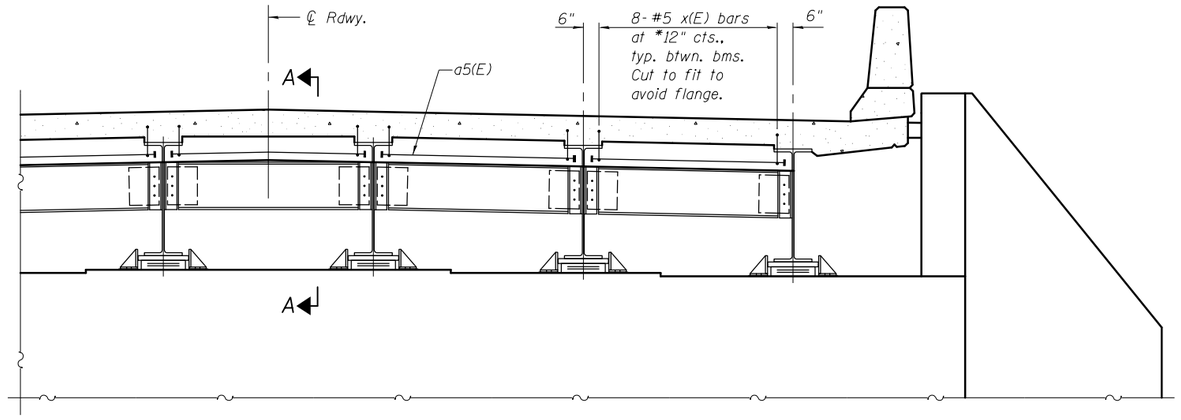
USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 2.0000 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -	

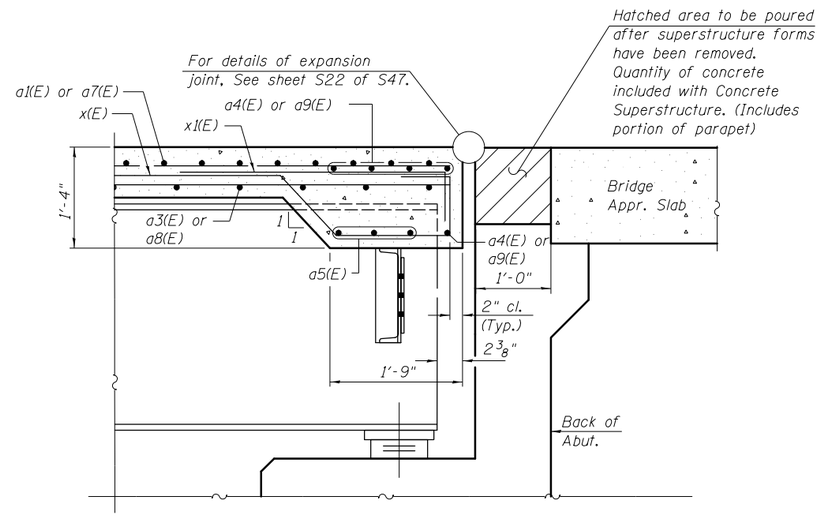
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S24 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	60
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		



DIAPHRAGM AT ABUTMENT



SECTION A-A

(at Rt. ∠'s)

Notes:

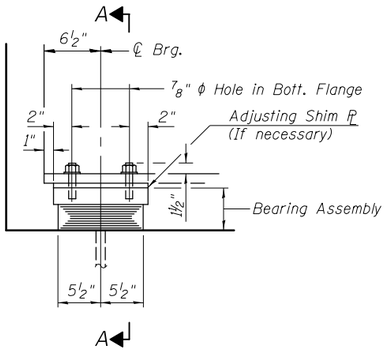
See sheets S15 and S17 of S47 for superstructure details and Bill of Material.

The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

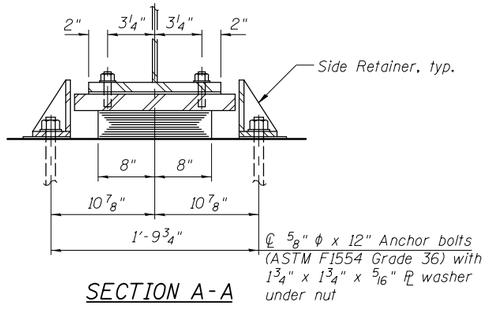
MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0460035_36-66F57-025-dfudgn

BLOOM COMPANIES, LLC Infrastructure Innovation and Ingenuity 150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606 Phone: (312) 876-9500 Fax: (312) 876-9600	USER NAME = jandrews	DESIGNED - RJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIAPHRAGM DETAILS STRUCTURE NO. 046-0035 /046-0036 SHEET NO. S25 OF S47 SHEETS
		CHECKED - JA	REVISED -		
	PLOT SCALE = 2.9843 ' / in.	DRAWN - JA	REVISED -		
	PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1L	KANKAKEE	114	61
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

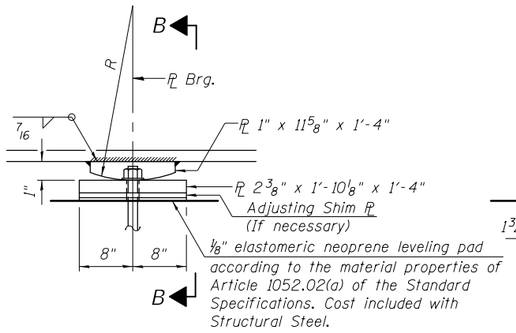


ELEVATION AT ABUT.

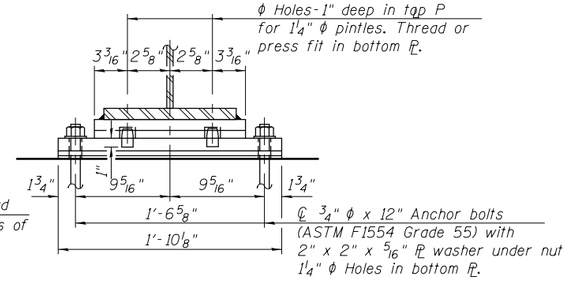


SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

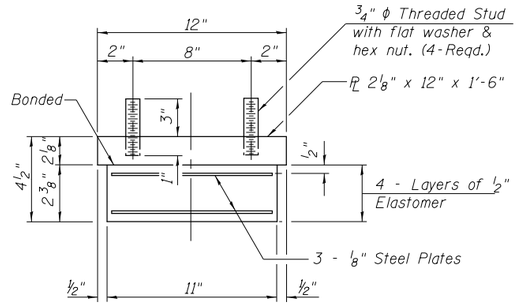


ELEVATION AT PIER



SECTION B-B

FIXED BEARING



BEARING ASSEMBLY

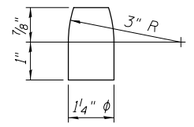
Note:
Shim plates shall not be placed under Bearing Assembly.

Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

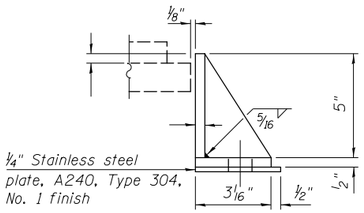
Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

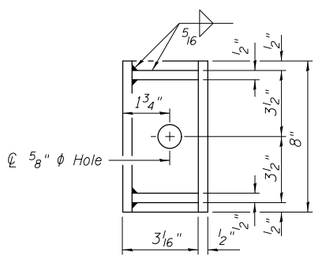
Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.



PINTLE





SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BILL OF MATERIAL FOR
S.N. 046-0035 AND S.N. 046-0036

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	24
Anchor Bolts, 3/4"	Each	24
Anchor Bolts, 5/8"	Each	48

MODEL NAME = Default
FILE NAME = F:\3-1308 I-207 Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0460035_36-66F57-026-brgdgn

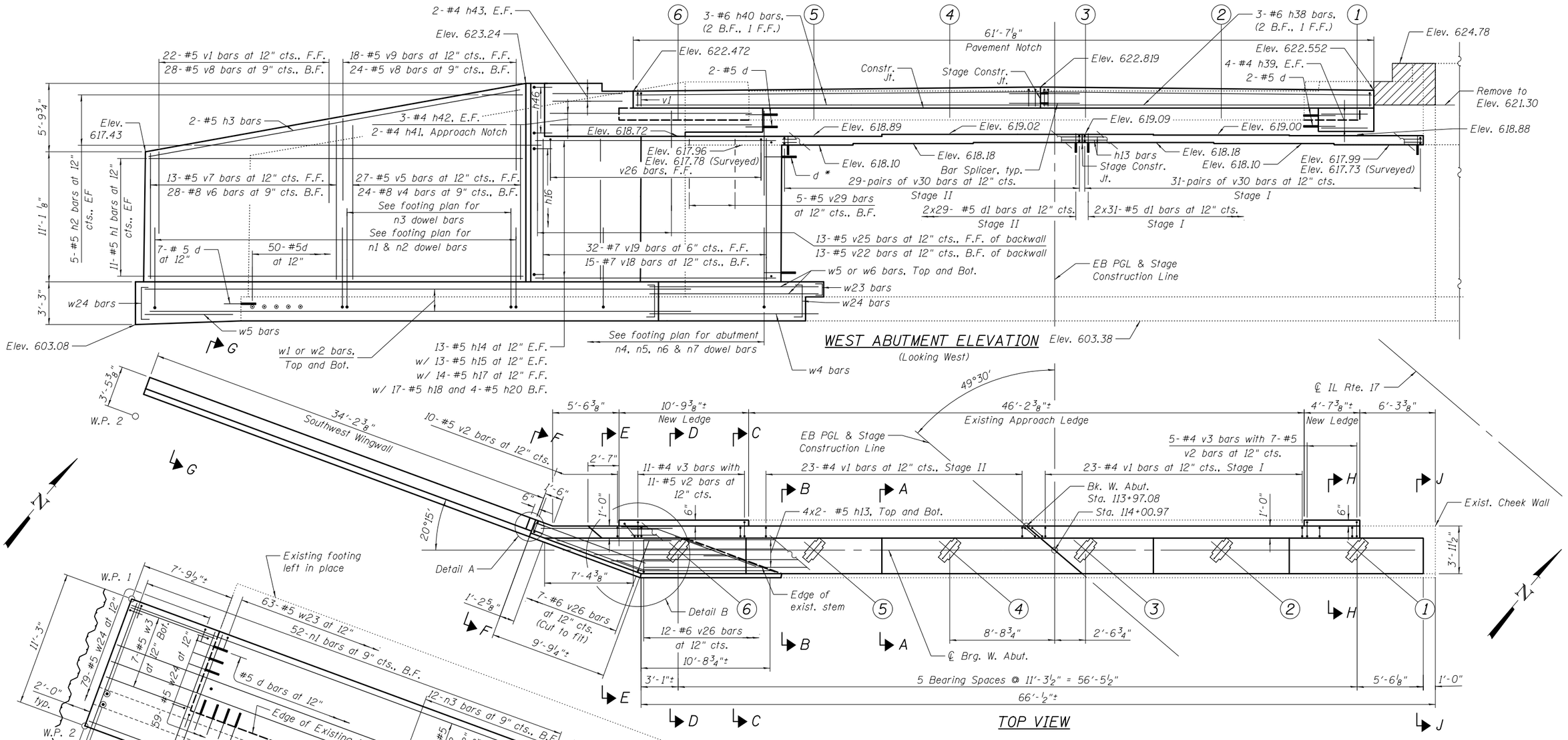
BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S26 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	62
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		



BAR GROUPS

A:	4-#5 t1 bars at 12" cts., Top & Bottom
B:	42-#8 t3 bars at 9" cts., Top 42-#5 t2 bars at 9" cts., Bottom
C:	7-#7 t5 bars at 12" cts., Top 7-#7 t4 bars at 12" cts., Bottom
D:	9-#7 t7 bars at 12" cts., Top 11-#7 t9 bars at 12" cts., Bottom w/11-#5 t10 bars at 12" cts., Bottom
E:	4-#7 t8 bars at 12" cts., Top & Bottom

MODEL NAME = Default
FILE NAME = FA3-1308 IDOT\St 3\3-1308_ILL 17 Over Baker Creek\5_Drawings\CADD_Sheets\0460035_36-66F-57-027-EBwbdut.dgn

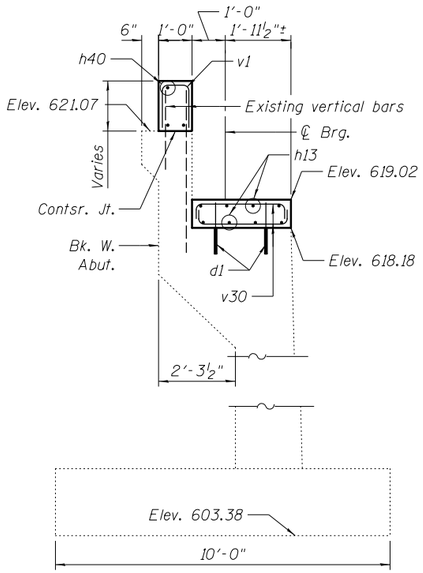
BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 8.4082 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

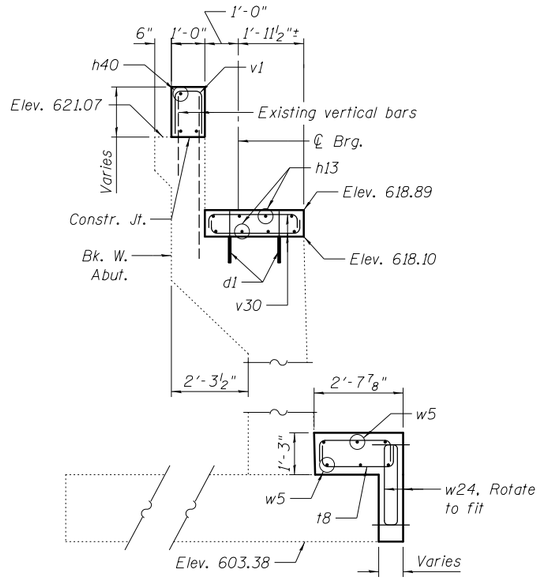
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 046-0035
SHEET NO. S27 OF S47 SHEETS

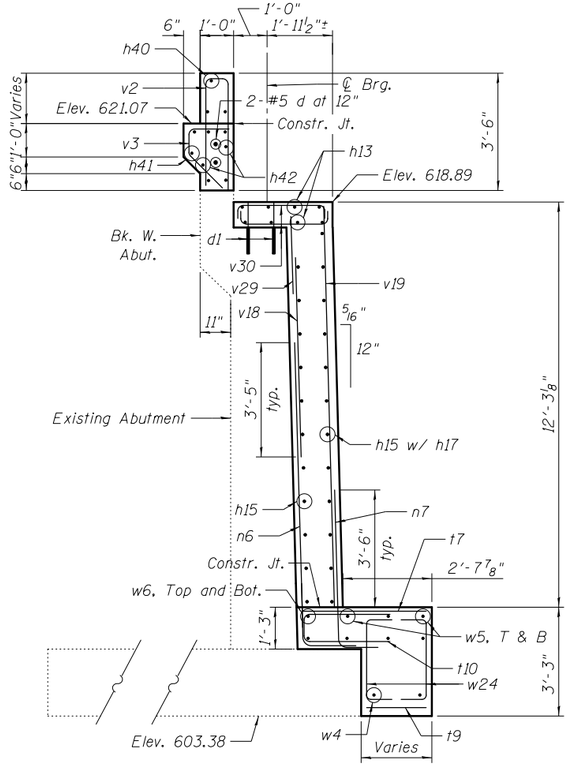
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1]	KANKAKEE	114	63
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



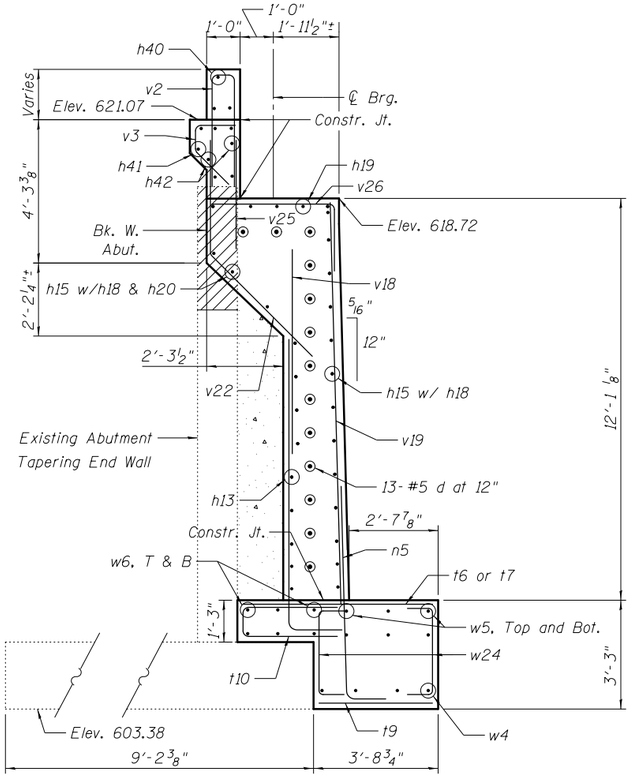
SECTION A-A



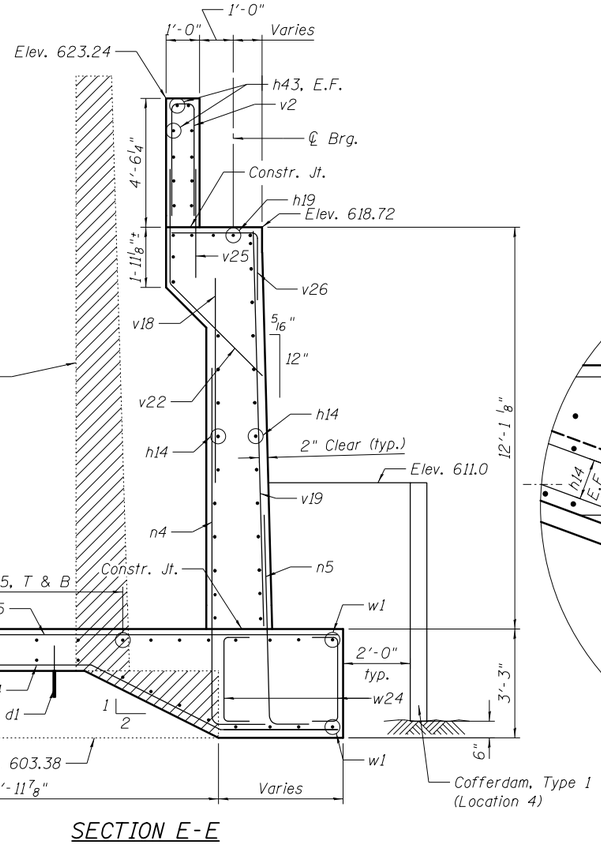
SECTION B-B



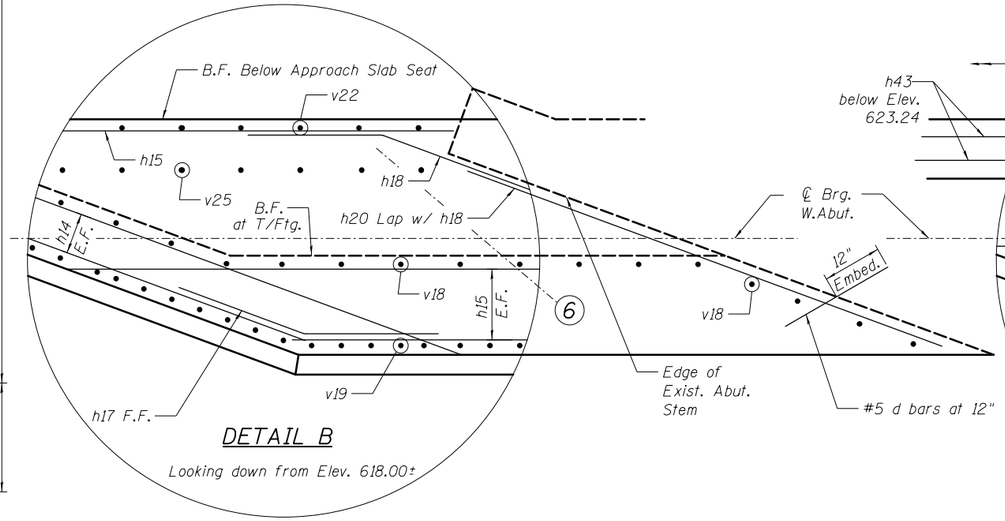
SECTION C-C



SECTION D-D

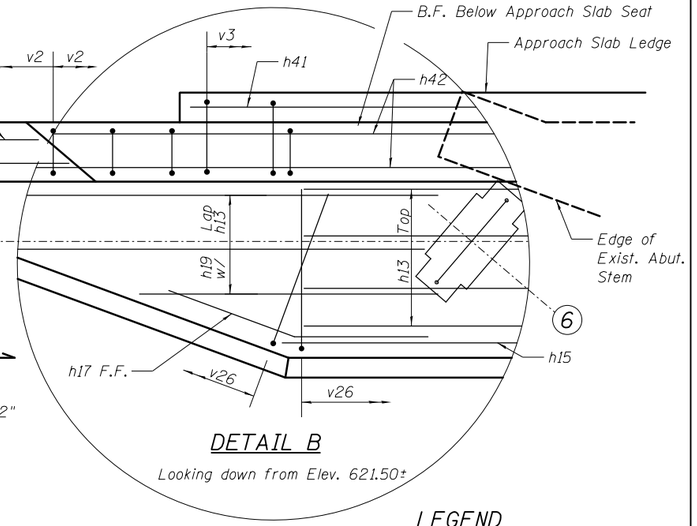


SECTION E-E



DETAIL B

Looking down from Elev. 618.00±



DETAIL B

Looking down from Elev. 621.50±

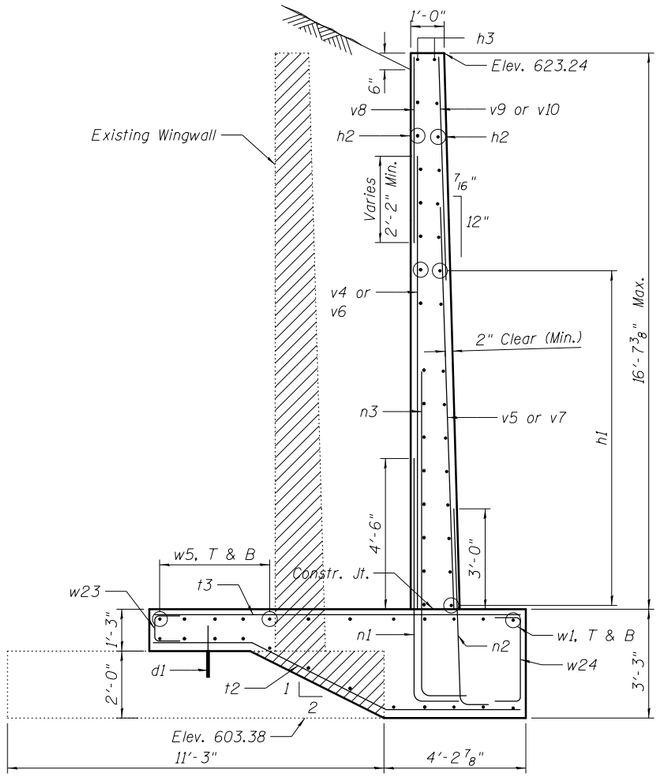
LEGEND

Concrete Removal

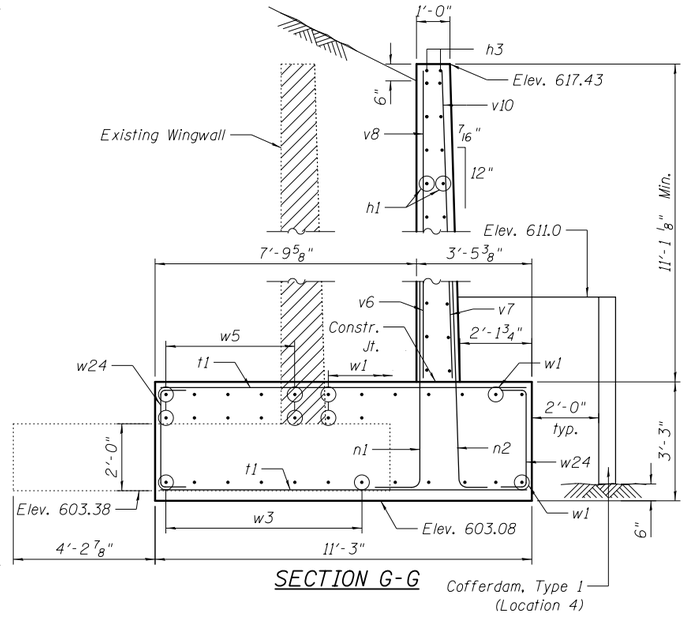
MODEL NAME = Default
FILE NAME = F-Y3-1308 IDOT Dist 3 Y3-1308-JL IT Over Baker Creek\6_Drawings\C400_Sheets\0460035_36-66F57-028-EBwbut2.dgn

BLOOM COMPANIES, LLC — Infrastructure Innovation and Ingenuity — 150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606 — Phone: (312) 876-6000 Fax: (312) 876-9650	USER NAME = jandrews	DESIGNED - RJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST ABUTMENT DETAILS STRUCTURE NO. 046-0035
		CHECKED - JA	REVISED -		
	PLOT SCALE = 4.5245 ' / in.	DRAWN - JA	REVISED -		SHEET NO. S28 OF S47 SHEETS
	PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -		

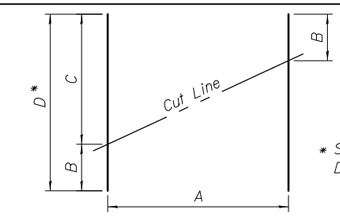
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	64
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



SECTION F-F



SECTION G-G

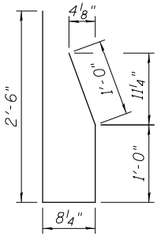


* Single series.
D=C

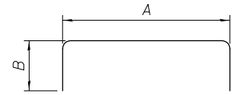
CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite face as indicated on sheets S27 thru S29 of S47.

	Bar	A	B	C	D
*	t7	9- #7 bars	2'-9"	17'-3"	17'-3"
*	t9	11- #7 bars	0'-9"	4'-3 5/8"	4'-3 5/8"
	h2	5- #5 bars	8'-1 1/2"	31'-3 1/2"	39'-5"
*	h19	3- #5 bars	5'-0"	9'-6"	9'-6"
*	w4	4- #5 bars	4'-5"	11'-6"	11'-6"
	w6	3- #5 bars	5'-3"	10'-8"	15'-11"

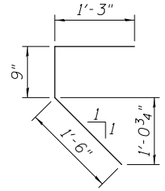


BAR h46

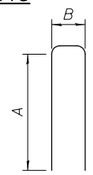


BARS t8, v30, w23 & w24

Bar	A	B
t8	2'-4 1/2"	1'-0"
v30	2'-3 1/2"	8"
w23	11"	10"
w24	2'-10"	10"

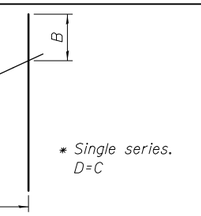


BAR v3

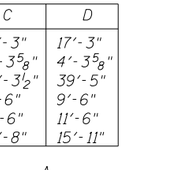


BARS h16, t10, v1, & v2

Bar	A	B
h16	10"	1'-0"
t10	2'-10"	11"
v1	1'-3"	9"
v2	3'-3"	9"



BAR v22



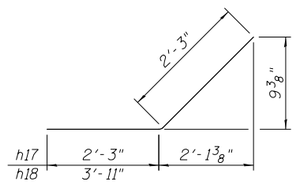
BAR v26

BARS t2 & t4

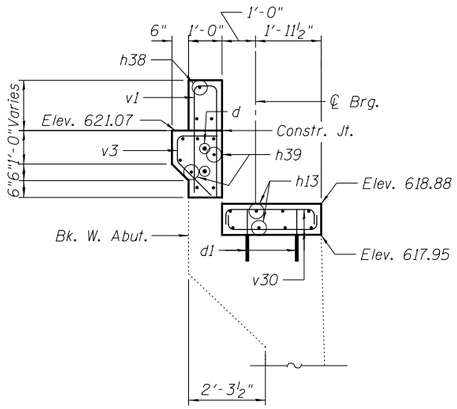
BARS n1 thru n7

Bar	A	B
n1	7'-9"	1'-4"
n2	6'-3"	10"
n3	10'-3"	1'-2"
n4	11'-3"	1'-2"
n5	6'-9"	1'-2"
n6	9'-3"	1'-2"
n7	4'-9"	1'-2"

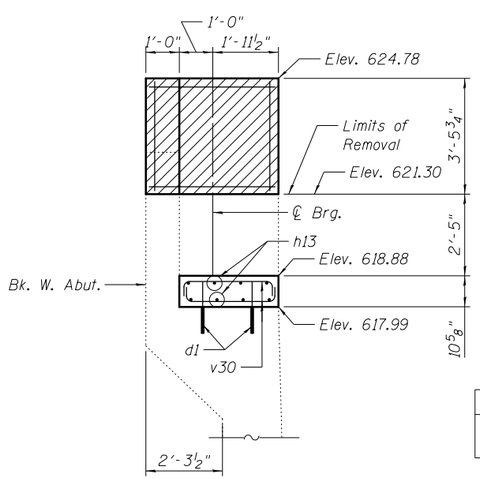
Bar	A	B
t2	2'-11 1/4"	4'-5 5/8"
t4	4'-2 3/8"	4'-5 5/8"



BARS h17 & h18



SECTION H-H



SECTION J-J

LEGEND

Concrete Removal

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	74	#5	2'-0"	
d1	158	#5	1'-6"	
h1	22	#5	33'-11"	
h2	5	#5	39'-5"	
h3	2	#5	34'-5"	
h13	16	#5	33'-3"	
h14	26	#5	9'-6"	
h15	26	#5	11'-0"	
h16	13	#5	2'-8"	
h17	14	#5	4'-6"	
h18	17	#5	6'-2"	
h19	3	#5	9'-6"	
h20	4	#5	7'-1"	
h38	3	#6	27'-8"	
h39	8	#4	4'-5"	
h40	3	#6	33'-9"	
h41	2	#4	10'-6"	
h42	6	#4	17'-2"	
h43	4	#4	4'-6"	
h46	5	#4	5'-2 1/4"	
n1	52	#8	9'-1"	
n2	40	#5	7'-1"	
n3	12	#7	11'-5"	
n4	7	#7	12'-5"	
n5	23	#7	7'-11"	
n6	8	#7	10'-5"	
n7	9	#7	5'-11"	
t1	16	#5	11'-0"	
t2	42	#5	11'-7"	
t3	42	#8	11'-0"	
t4	7	#7	12'-2"	
t5	7	#7	11'-0"	
t6	2	#7	11'-6"	
t7	9	#7	17'-3"	
t8	8	#7	3'-4 1/2"	
t9	11	#7	4'-3 5/8"	
t10	11	#5	5'-5"	
v1	46	#4	3'-3"	
v2	28	#5	7'-3"	
v3	16	#4	3'-6"	
v4	24	#8	13'-6"	
v5	27	#5	12'-0"	
v6	28	#8	10'-9"	
v7	13	#5	10'-9"	
v8	52	#5	5'-3"	
v9	18	#5	6'-9"	
v10	22	#5	3'-6"	
v18	15	#7	6'-3"	
v19	32	#7	12'-0"	
v22	13	#5	8'-2"	
v25	13	#5	3'-3"	
v26	19	#6	5'-8"	
v29	5	#5	4'-0"	
v30	120	#4	3'-7 1/2"	
w1	14	#5	46'-5"	
w2	10	#5	44'-9"	
w3	7	#5	7'-5"	
w4	4	#5	11'-6"	
w5	6	#5	13'-7"	
w6	3	#5	15'-11"	
w23	63	#5	2'-7"	
w24	138	#5	4'-6"	
Concrete Structures			Cu. Yd.	107.3
Structure Excavation			Cu. Yd.	166
Reinforcement Bars			Pound	15,550
Cofferdam, Type 1 (Location 4)			Each	1
Cofferdam Excavation			Cu. Yd.	180.2
Rock Excavation			Cu. Yd.	8.25

BLOOM COMPANIES, LLC
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150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
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USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 4.5245 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT DETAILS
STRUCTURE NO. 046-0035
SHEET NO. S29 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	65
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

MODEL NAME = Default
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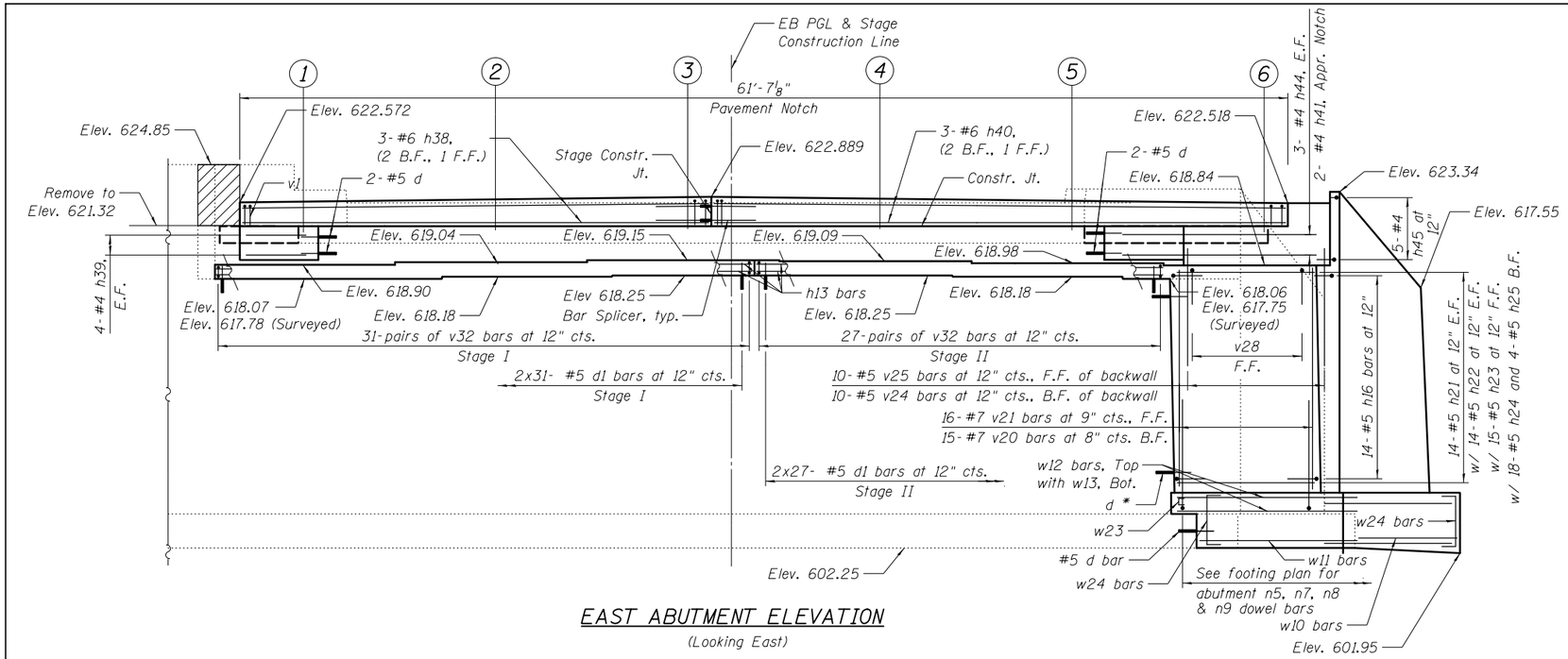
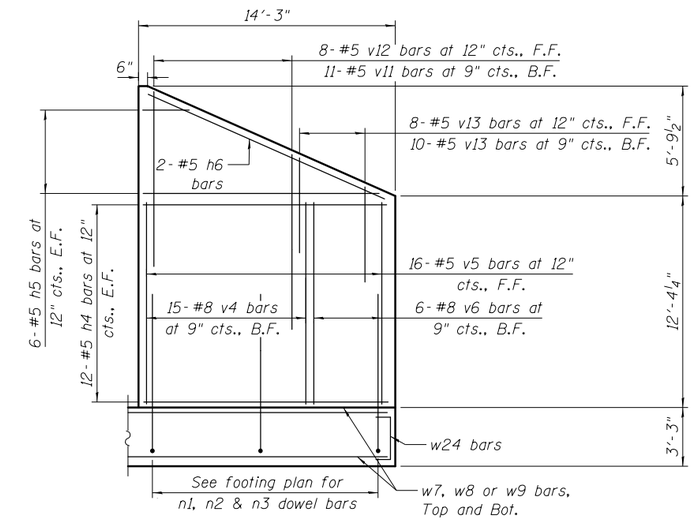
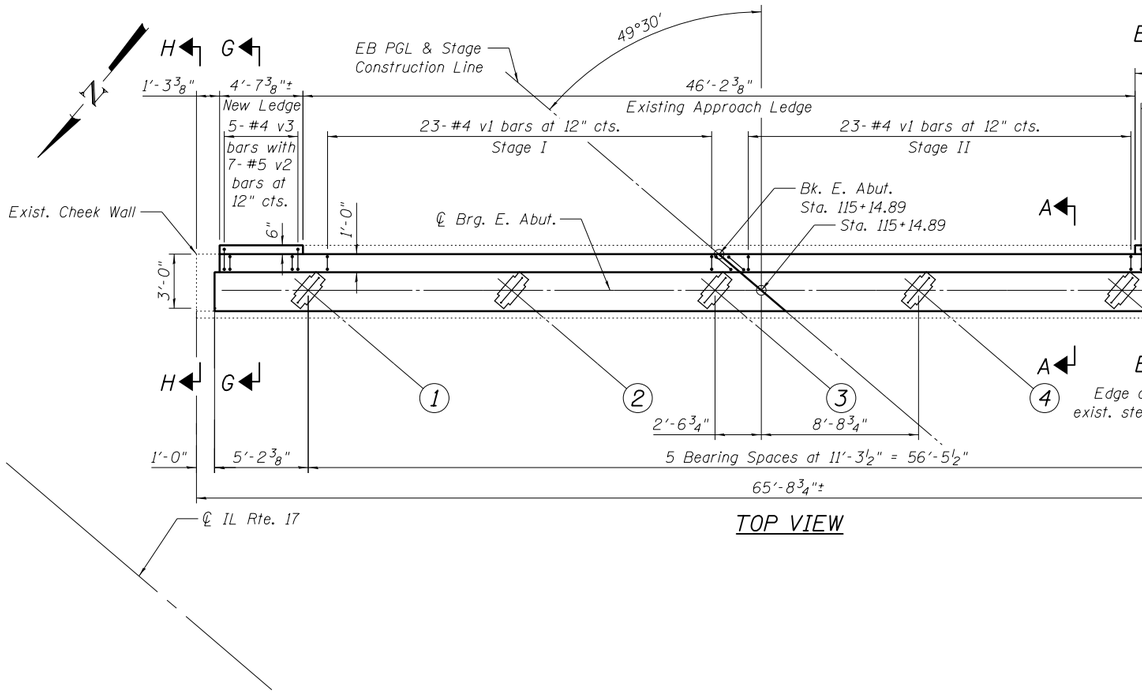


EAST ABUTMENT ELEVATION

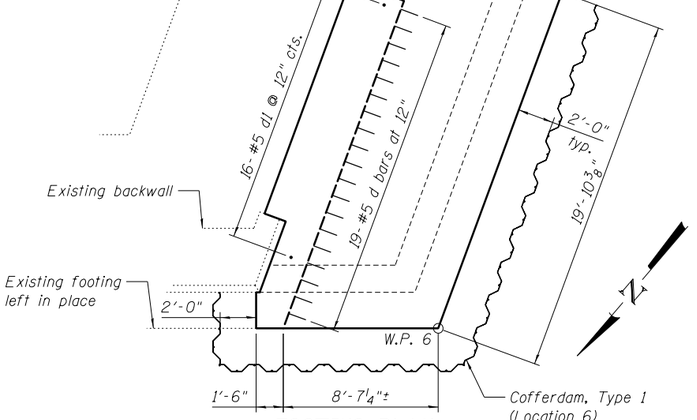
(Looking East)



WINGWALL ELEVATION

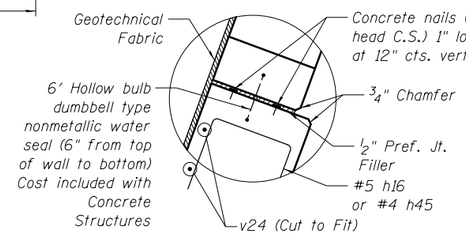


TOP VIEW



FOOTING PLAN

(Showing dimensions. See Sheet S31 OF S47 for reinforcement details)



DETAIL A

LEGEND

Concrete Removal

* See cross sections on sheets S31 and S32 of S47 for spacing and count of d bars in wall.

Note: Minimum dowel embedment is 12" for d bars and 9" for d1 bars.

MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0460035_36-66F57-030-EBabutJdgn

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USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 8.4082 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -

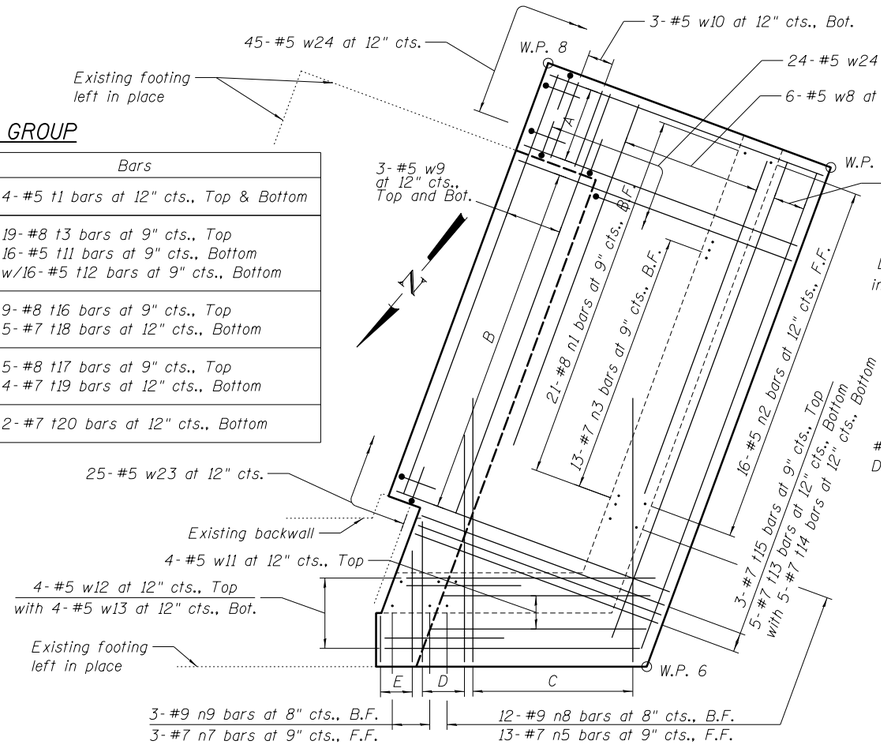
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT
STRUCTURE NO. 046-0035
SHEET NO. S30 OF S47 SHEETS

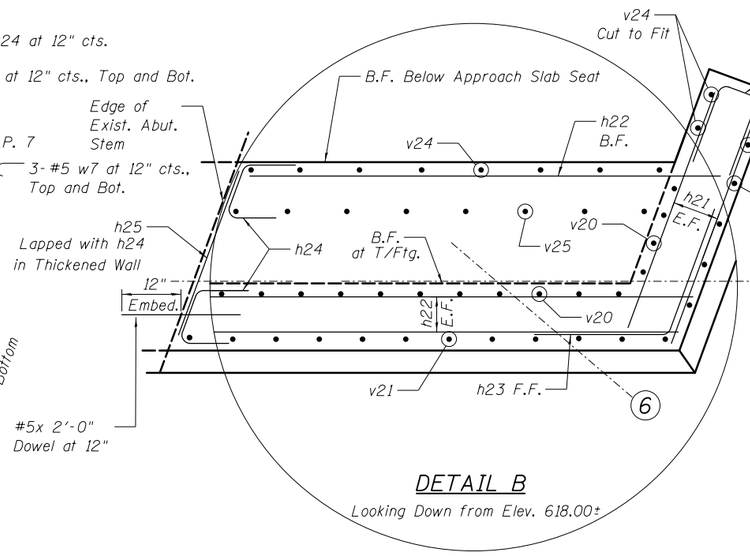
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	66
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

BAR GROUP

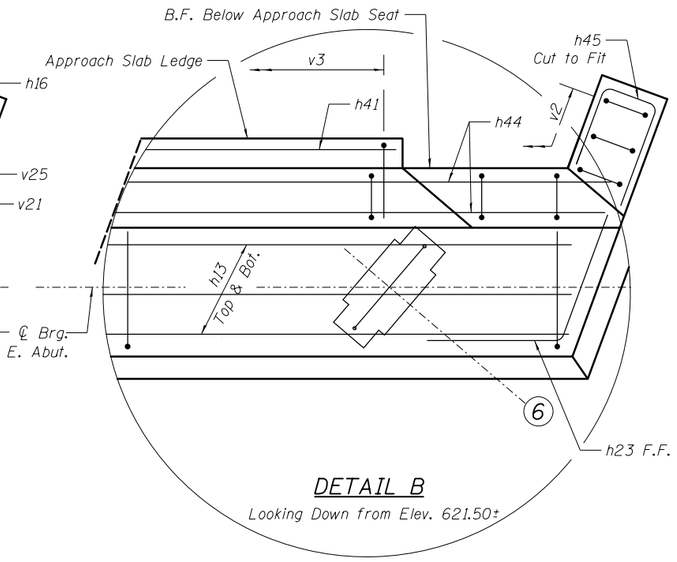
Group	Bars
A:	4-#5 t1 bars at 12" cts., Top & Bottom
B:	19-#8 t3 bars at 9" cts., Top 16-#5 t11 bars at 9" cts., Bottom w/16-#5 t12 bars at 9" cts., Bottom
C:	9-#8 t16 bars at 9" cts., Top 5-#7 t18 bars at 12" cts., Bottom
D:	5-#8 t17 bars at 9" cts., Top 4-#7 t19 bars at 12" cts., Bottom
E:	2-#7 t20 bars at 12" cts., Bottom



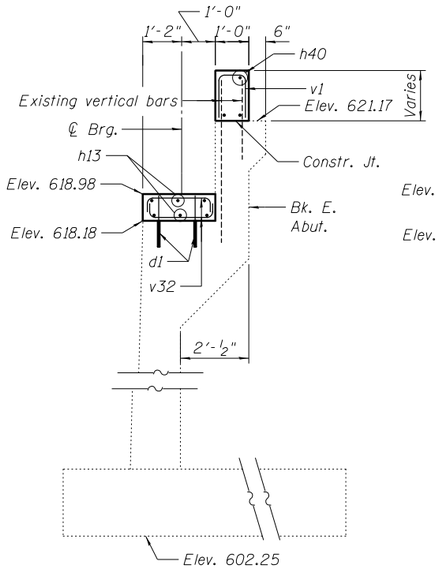
FOOTING PLAN
(Showing reinforcement details)



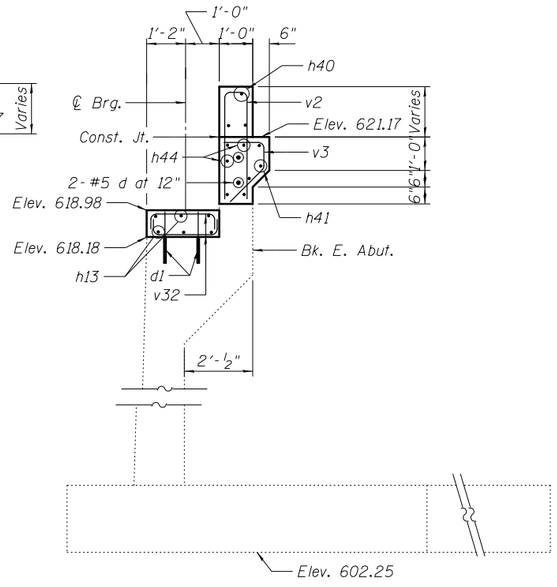
DETAIL B
Looking Down from Elev. 618.00±



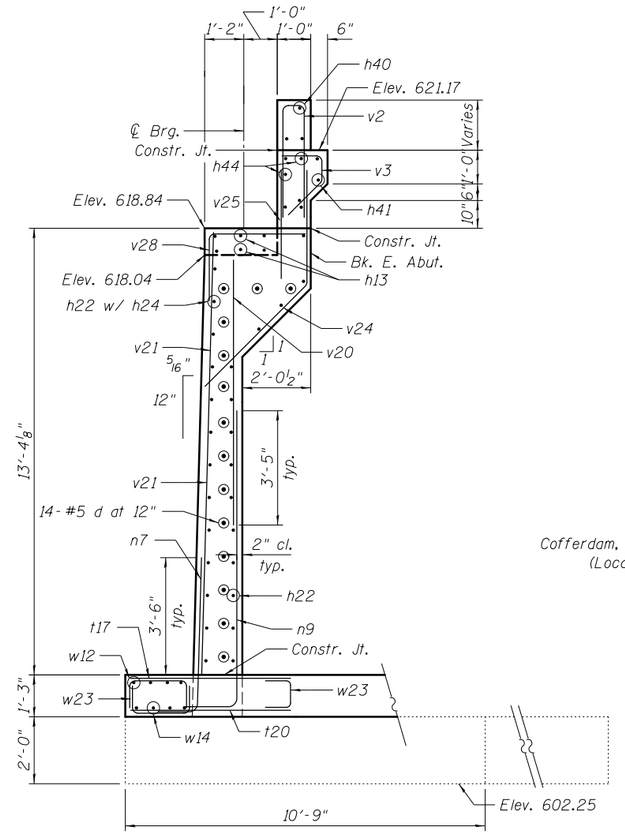
DETAIL B
Looking Down from Elev. 621.50±



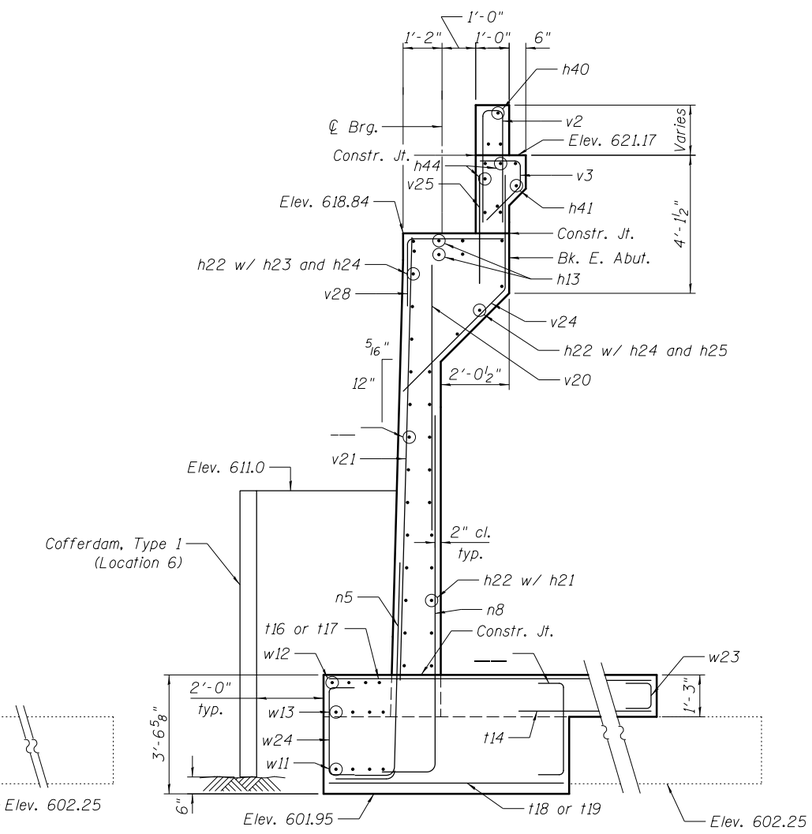
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BLOOM COMPANIES, LLC
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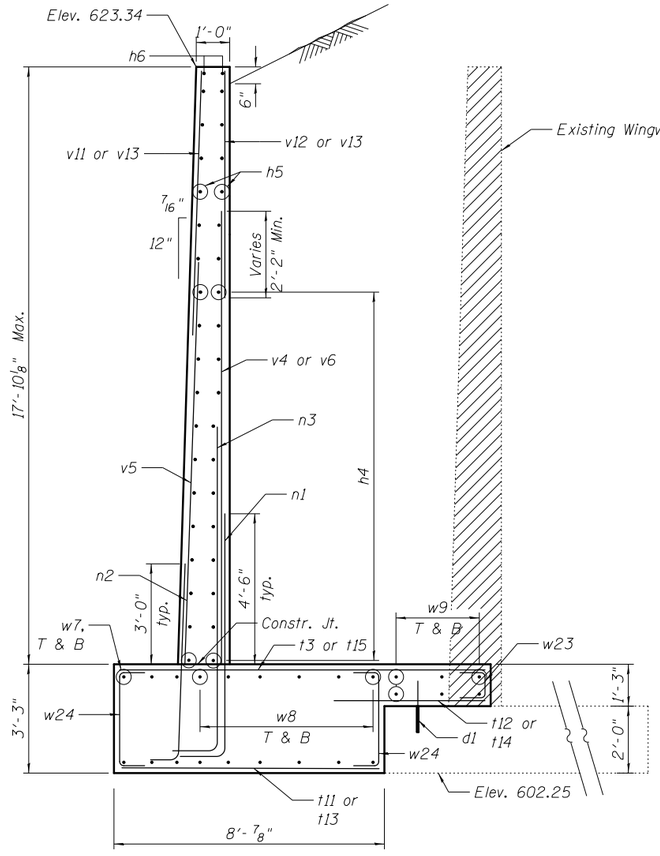
USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 4.5245 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -

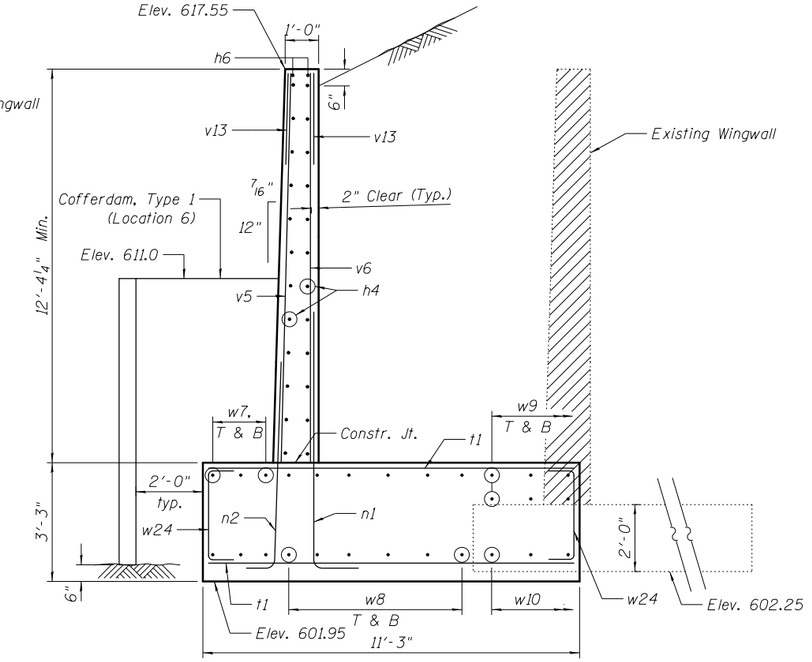
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS
STRUCTURE NO. 046-0035
SHEET NO. S31 OF S47 SHEETS

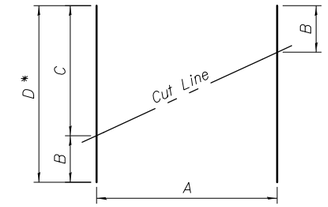
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1(R)BR-1)1	KANKAKEE	114	67
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



SECTION E-E



SECTION F-F

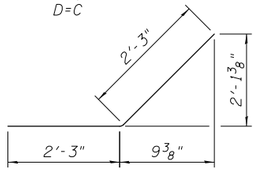


CUTTING DIAGRAM

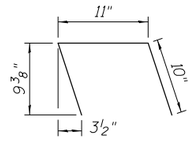
Order bars full length. Cut as shown and use remainder of bars in opposite face as indicated on sheets S30 thru S32 of S47

	Bar	A	B	C	D
*	t17	5- #8 bars	1'-9"	9'-9 1/2"	9'-9 1/2"
*	t19	4- #7 bars	1'-6 3/4"	9'-8 1/4"	9'-8 1/4"
*	t20	2- #7 bars	1'-9"	4'-4 5/8"	4'-4 1/2"
	h5	6- #5 bars	1'-7 1/2"	13'-6"	15'-1 1/2"

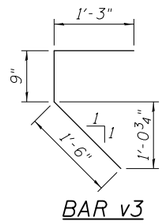
* Single series. D=C



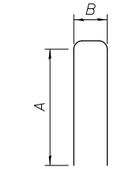
BAR h23



BAR h24

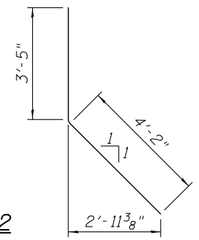


BAR v3

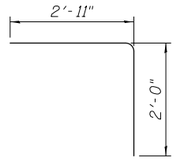


BARS h16, v1 & v2

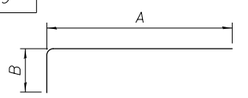
Bar	A	B
h16	10"	1'-0"
v1	1'-3"	9"
v2	3'-3"	9"



BAR v24

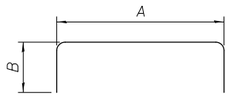


BAR v28



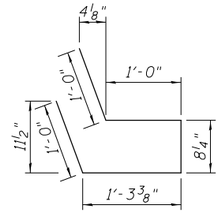
BARS n1 thru n3, n5 & n7 thru n9

Bar	A	B
n1	7'-9"	1'-4"
n2	6'-3"	10"
n3	10'-3"	1'-2"
n5	6'-9"	1'-2"
n7	4'-9"	1'-2"
n8	11'-3"	1'-7"
n9	9'-3"	1'-7"

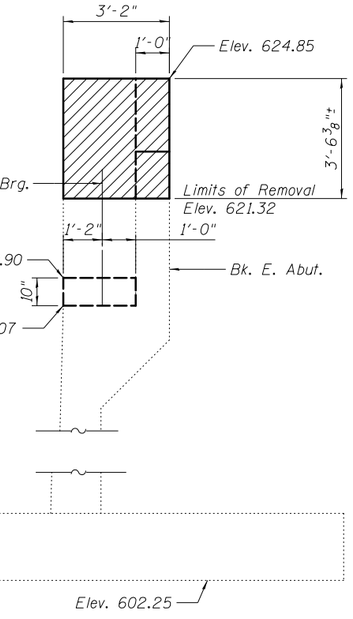


BARS v32, w23 & w24

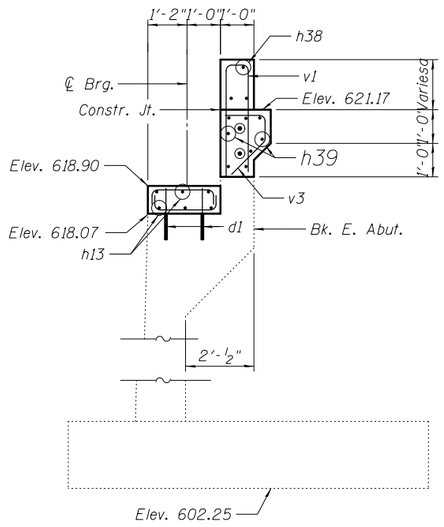
Bar	A	B
v32	1'-11"	8"
w23	11"	10"
w24	2'-10"	10"



BAR h45



SECTION H-H



SECTION G-G

LEGEND

Concrete Removal

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	40	#5	2'-0"	
d1	132	#5	1'-6"	
h4	24	#5	14'-0"	
h5	6	#5	15'-1 1/2"	
h6	2	#5	15'-1 1/2"	
h13	12	#5	33'-3"	
h16	14	#5	2'-8"	
h21	28	#5	3'-9"	
h22	28	#5	8'-4"	
h23	15	#5	4'-6"	
h24	18	#5	2'-7"	
h25	4	#5	3'-0"	
h38	3	#6	27'-8"	
h39	8	#4	4'-5"	
h40	3	#6	33'-9"	
h41	2	#4	10'-6"	
h44	6	#4	14'-3"	
h45	5	#4	4'-8 1/4"	
n1	21	#8	9'-1"	
n2	16	#5	7'-1"	
n3	13	#7	11'-5"	
n5	13	#7	7'-11"	
n7	3	#7	5'-11"	
n8	12	#9	11'-10"	
n9	3	#9	9'-10"	
t1	8	#5	11'-0"	
t3	19	#8	11'-0"	
t11	16	#5	7'-10"	
t12	16	#5	4'-6"	
t13	5	#7	7'-10"	
t14	5	#7	4'-4"	
t15	3	#8	10'-1"	
t16	9	#8	11'-9"	
t17	5	#8	9'-9 1/2"	
t18	5	#7	11'-9"	
t19	4	#7	9'-8 1/4"	
t20	2	#7	4'-4 1/2"	
v1	46	#4	3'-3"	
v2	27	#5	7'-3"	
v3	17	#4	3'-6"	
v4	15	#8	13'-6"	
v5	16	#5	12'-0"	
v6	6	#8	10'-9"	
v11	16	#5	6'-6"	
v12	16	#5	8'-0"	
v13	18	#5	5'-0"	
v20	15	#7	8'-0"	
v21	16	#7	13'-6"	
v24	10	#5	7'-7"	
v25	10	#5	3'-3"	
v28	10	#6	4'-11"	
v32	116	#4	2'-3"	
w7	6	#5	19'-9"	
w8	12	#5	13'-3"	
w9	6	#5	16'-11"	
w10	3	#5	3'-3"	
w11	4	#5	8'-3"	
w12	4	#5	10'-5"	
w13	4	#5	5'-3"	
w23	25	#5	2'-7"	
w24	69	#5	4'-6"	

Concrete Structures	Cu. Yd.	57.3
Structure Excavation	Cu. Yd.	43
Reinforcement Bars	Pound	9,080
Cofferdam, Type 1 (Location 6)	Each	1
Cofferdam Excavation	Cu. Yd.	135.4
Rock Excavation	Cu. Yd.	5.25

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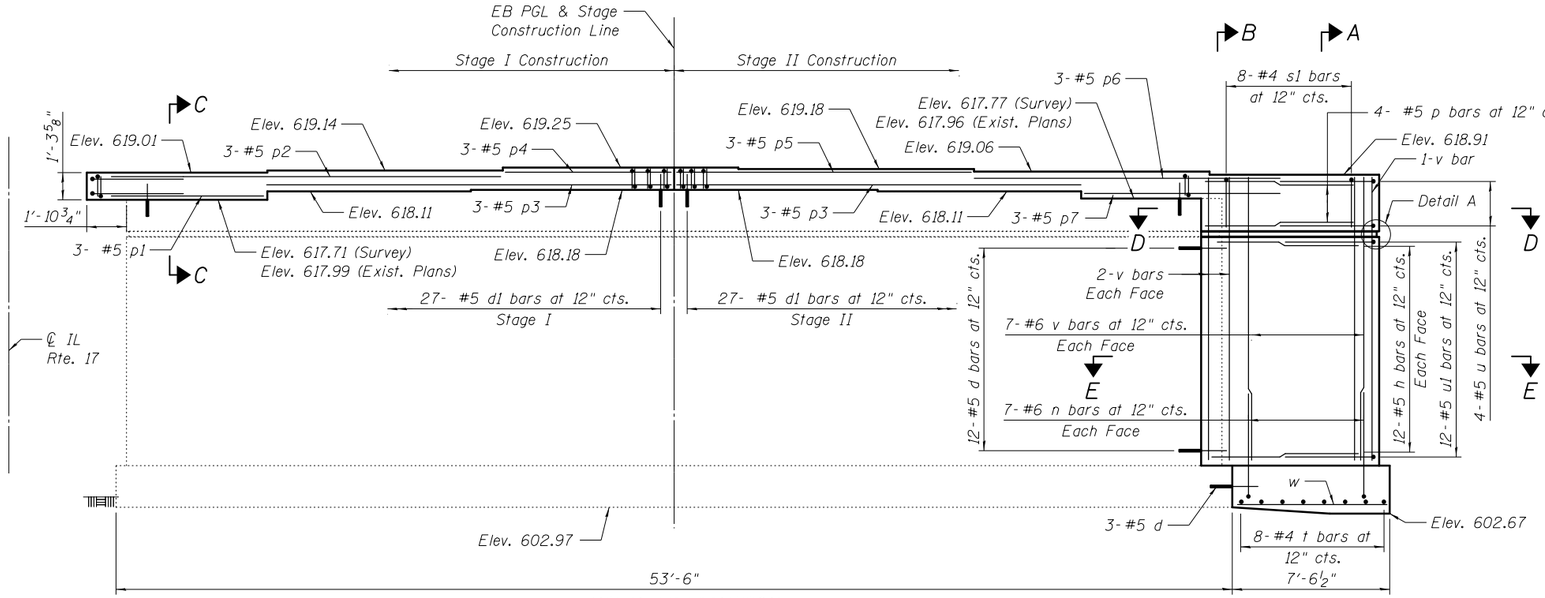
USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 4.5245 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS
STRUCTURE NO. 046-0035
SHEET NO. S32 OF S47 SHEETS

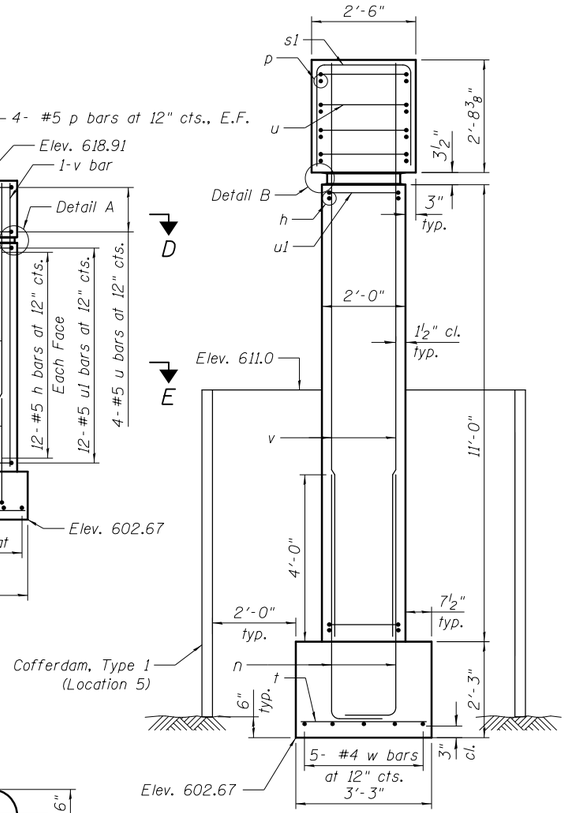
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	68
		CONTRACT NO. 66F57		
		ILLINOIS FED. AID PROJECT		



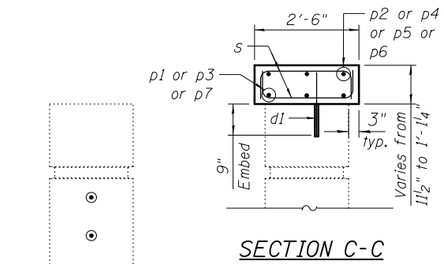
PIER ELEVATION

(Looking East)

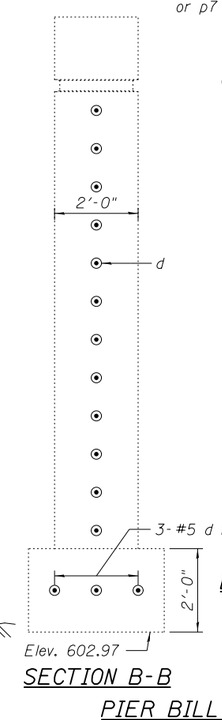
Note: Minimum dowel embedment is 12" for d bars and 9" for d1 bars.



SECTION A-A



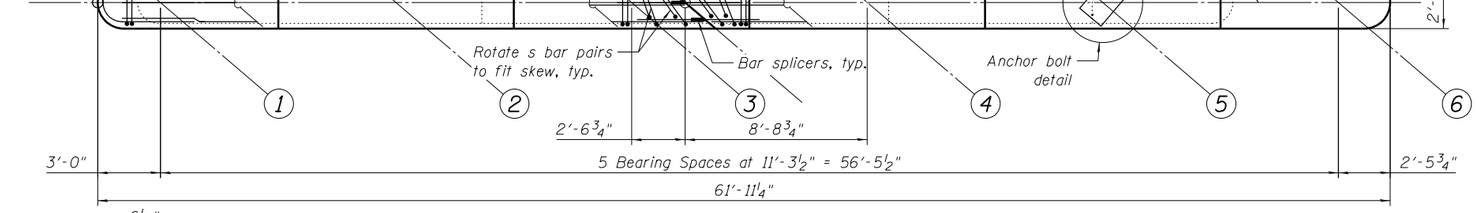
SECTION C-C



SECTION B-B

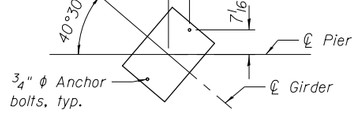
LEGEND

Concrete Removal



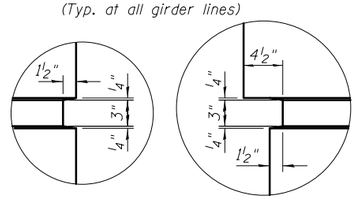
TOP PLAN

(South Extension of Pier Wall)



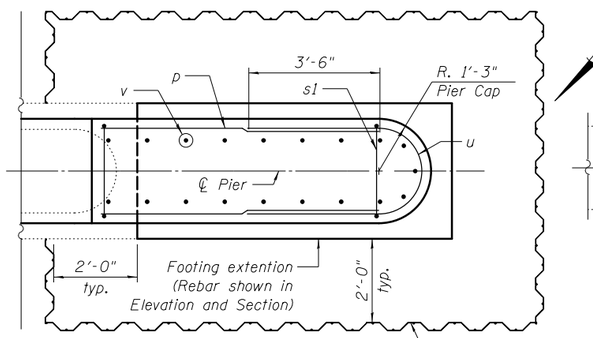
ANCHOR BOLT DETAIL

Space reinforcement in cap to miss anchor bolts (Typ. at all girder lines)



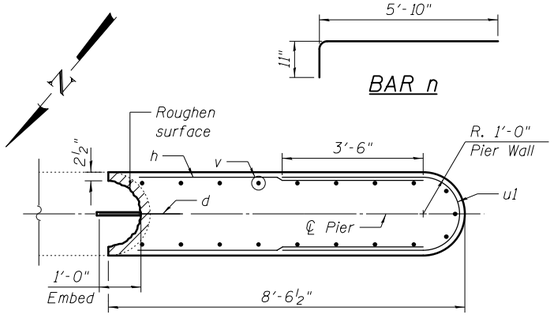
DETAIL A — DETAIL B

NOTCH DETAILS



SECTION D-D

(Pier Cap - South Extension)



SECTION E-E

(Pier Wall - South Extension)

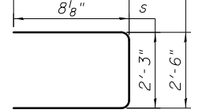
BAR n

CUTTING DIAGRAM

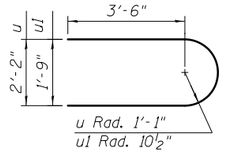
Order bars full length. Cut as shown and use remainder of bars in opposite face as indicated on this sheet.

Bar	A	B	C	D
p3	3- #5 bars	17'-11"	20'-6"	38'-5"
* p4	3- #5 bars	6'-9"	9'-0"	15'-9"
* p5	3- #5 bars	12'-10"	15'-2"	28'-0"

* Single series. D=C



BARS s, s1



BARS u, & u1

PIER BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	15	#5	2'-0"	
d1	54	#5	1'-6"	
h	24	#5	6'-9"	
n	14	#6	6'-9"	
p	8	#5	7'-0"	
p1	3	#5	7'-1"	
p2	3	#5	18'-7"	
p3	3	#5	38'-5"	
p4	3	#5	15'-9"	
p5	3	#5	28'-0"	
p6	3	#5	11'-2"	
p7	3	#5	9'-7"	
s	112	#4	3'-6"	
s1	8	#4	7'-11"	
t	8	#4	3'-0"	
u	6	#5	10'-5"	
u1	12	#5	9'-9"	
v	19	#6	13'-6"	
w	5	#4	7'-4"	

Concrete Structures	Cu. Yd.	17.5
Reinforcement Bars	Pound	1,800
Cofferdam, Type 1 (Location 5)	Each	1
Cofferdam Excavation	Cu. Yd.	12.3
Rock Excavation	Cu. Yd.	1.5

MODEL NAME = Default
FILE NAME = F:\3-308 IDOT\Std 353-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0460035_36-66F57-033-E Bdtr.dgn

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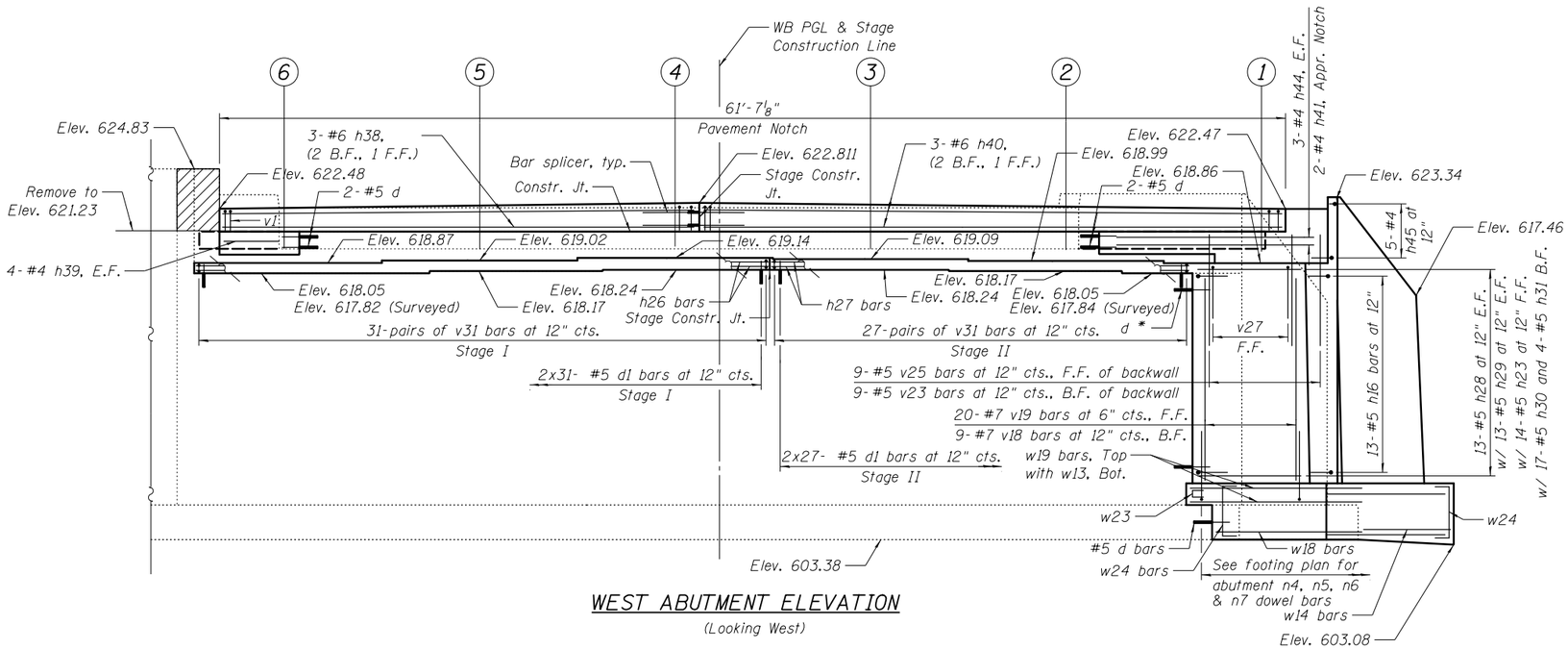
USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 7.2599 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

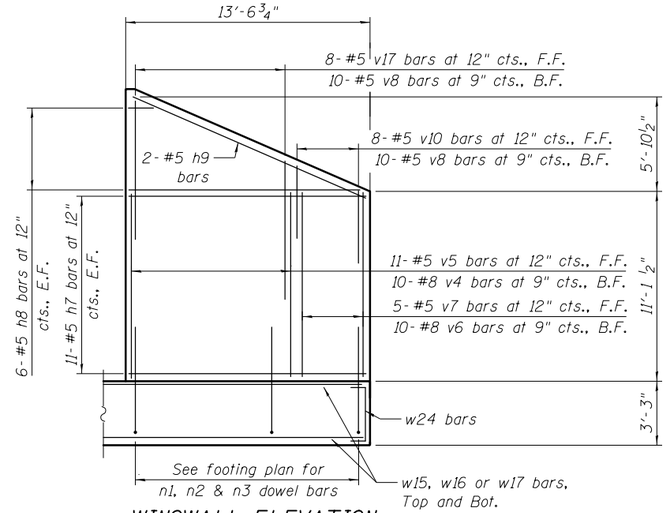
PIER
STRUCTURE NO. 046-0035
SHEET NO. S33 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	69
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

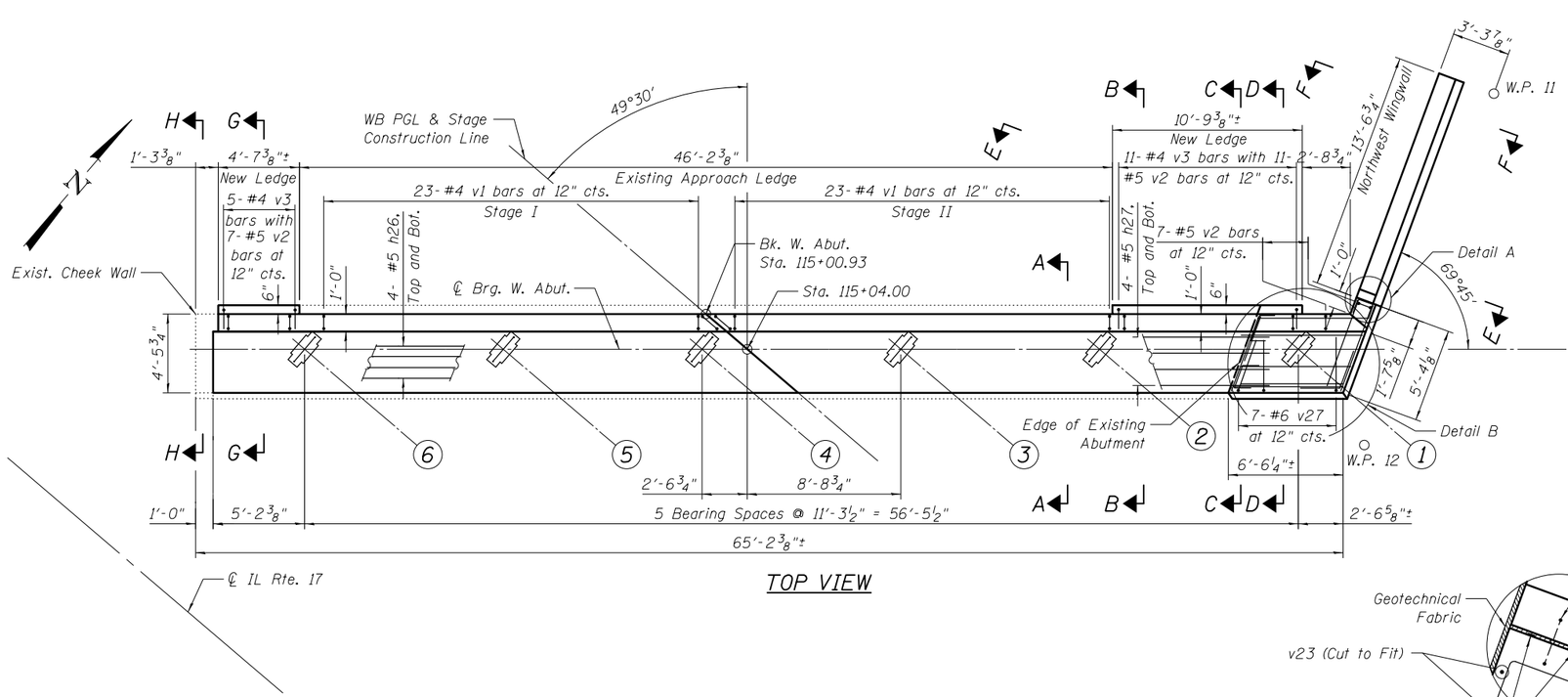


WEST ABUTMENT ELEVATION

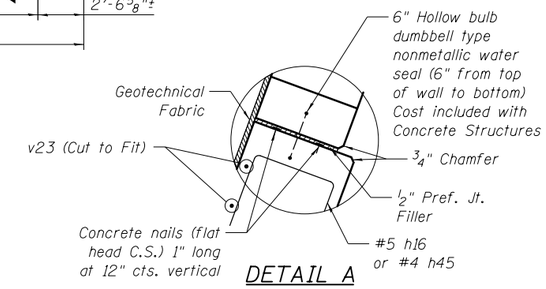
(Looking West)



WINGWALL ELEVATION



TOP VIEW



DETAIL A

FOOTING PLAN

(Showing dimensions. See sheet S35 of S47 for reinforcement details.)

LEGEND

Concrete Removal

* See cross sections in sheets S35 and S36 of S47 for spacing and count of d bars in wall.

Note: Minimum dowel embedment is 12" for d bars and 9" for d1 bars.

MODEL NAME - Default
FILE NAME - F:\3-308 IDOT\Std 3\3-308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0460035_36-66F57-034-WBabut1.dgn

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Infrastructure Innovation and Ingenuity
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Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 8.4082 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

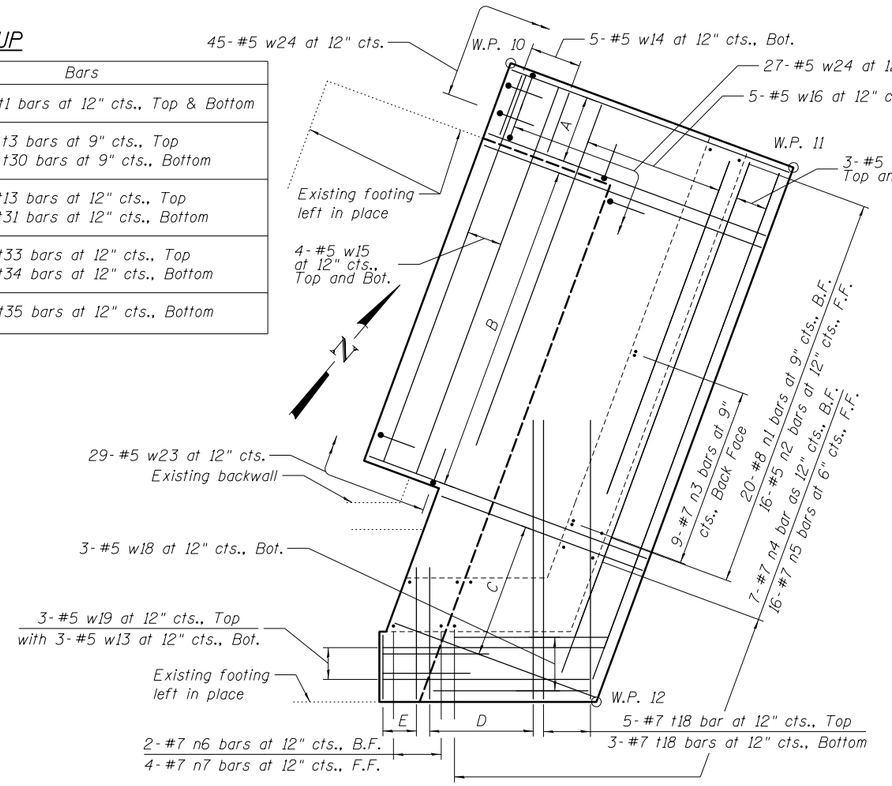
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 046-0036
SHEET NO. S34 OF S47 SHEETS

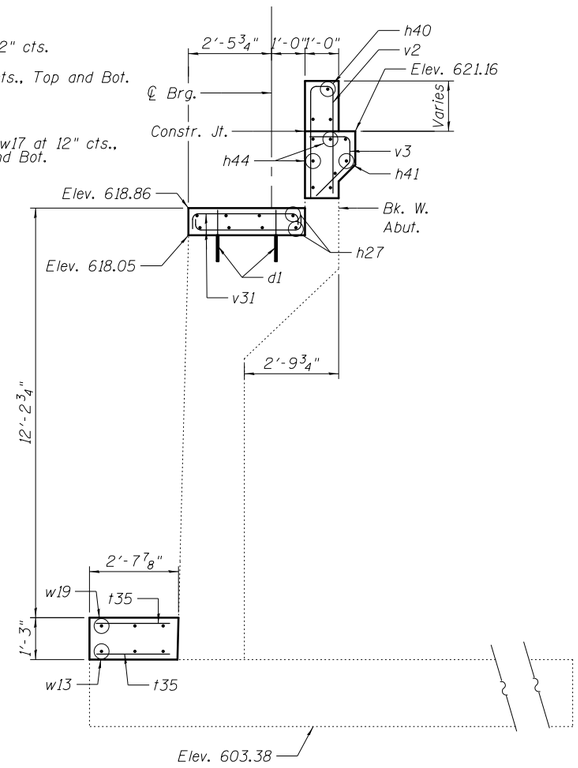
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	70
		CONTRACT NO. 66F57		
		ILLINOIS	FED. AID PROJECT	

BAR GROUP

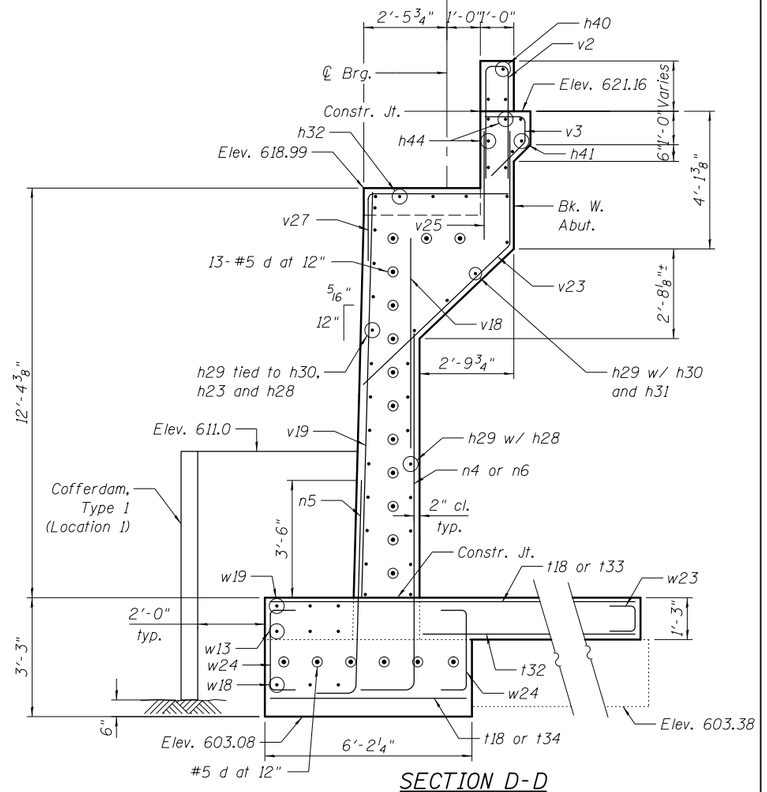
Group	Bars
A:	4-#5 t1 bars at 12" cts., Top & Bottom
B:	17-#8 t3 bars at 9" cts., Top 17-#5 t30 bars at 9" cts., Bottom
C:	6-#7 t13 bars at 12" cts., Top 6-#7 t31 bars at 12" cts., Bottom
D:	4-#7 t33 bars at 12" cts., Top 4-#7 t34 bars at 12" cts., Bottom
E:	2-#7 t35 bars at 12" cts., Bottom



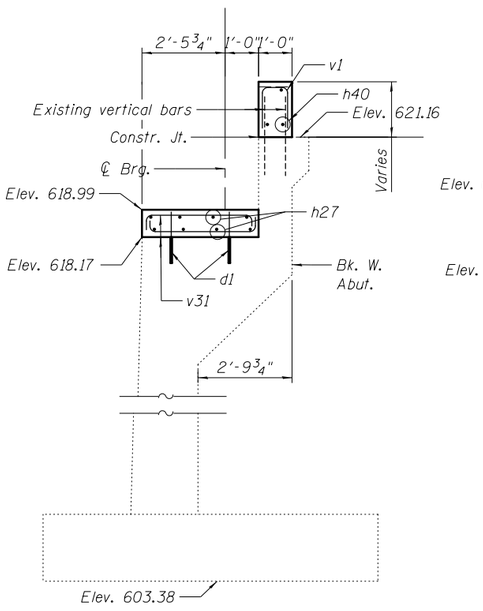
FOOTING PLAN
(Showing reinforcement)



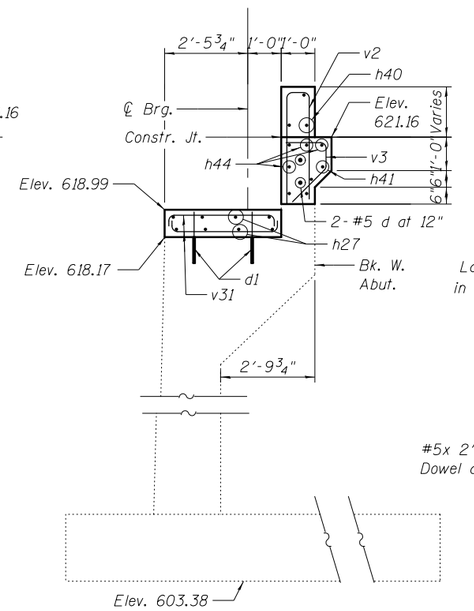
SECTION C-C



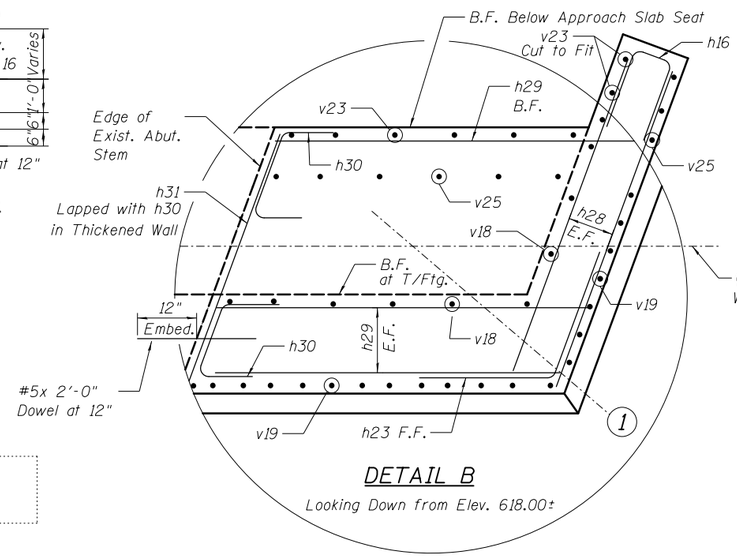
SECTION D-D



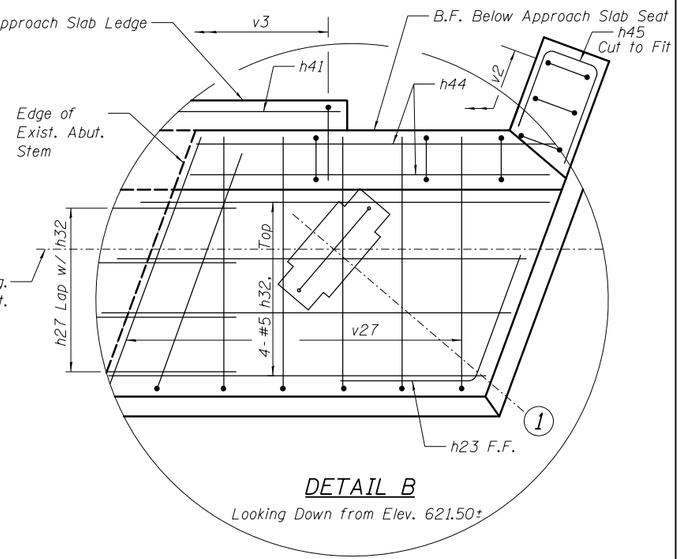
SECTION A-A



SECTION B-B



DETAIL B
Looking Down from Elev. 618.00±



DETAIL B
Looking Down from Elev. 621.50±

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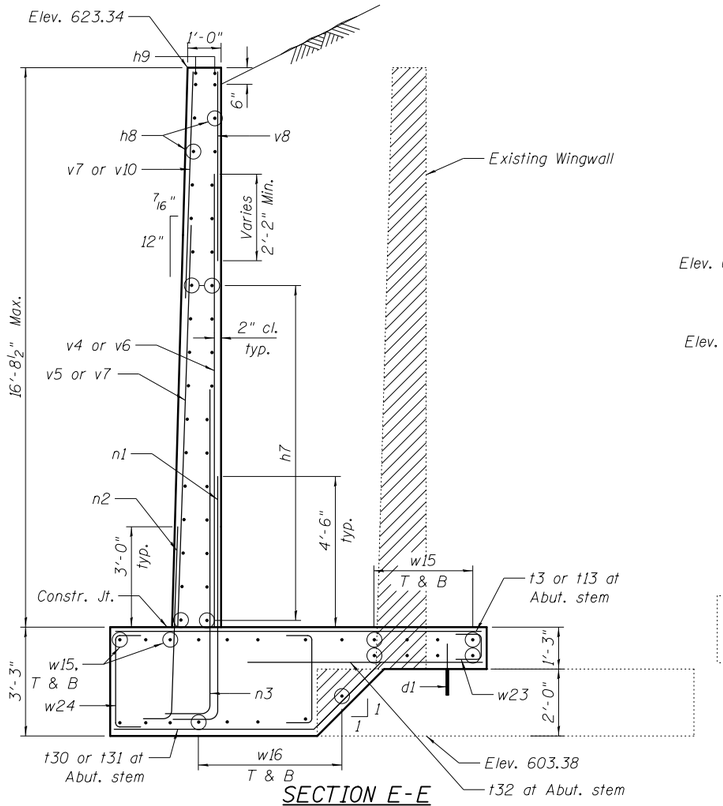
PLOT SCALE = 4.5245 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -

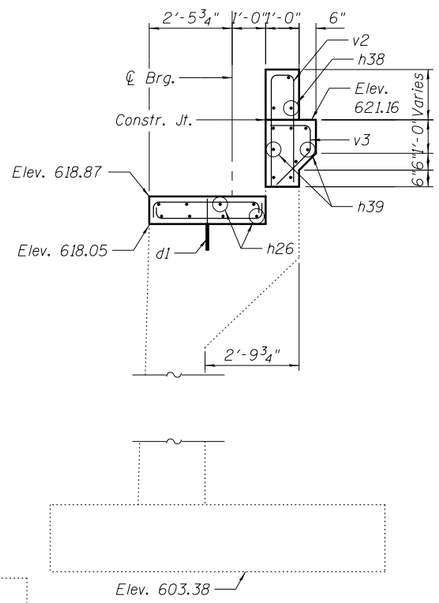
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT DETAILS
STRUCTURE NO. 046-0036
SHEET NO. S35 OF S47 SHEETS

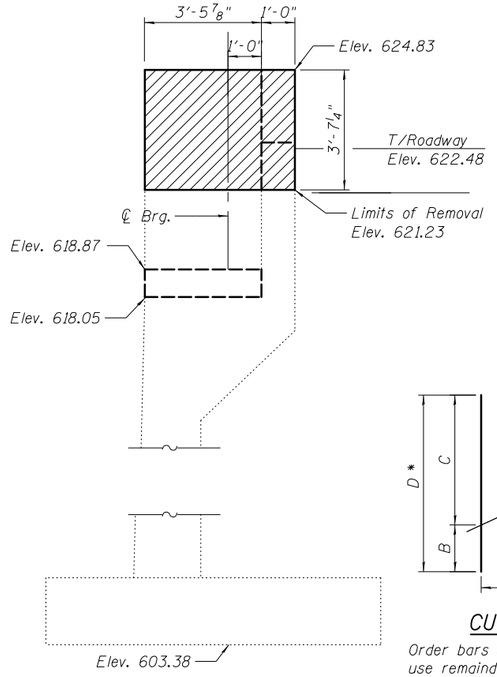
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J1	KANKAKEE	114	71
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



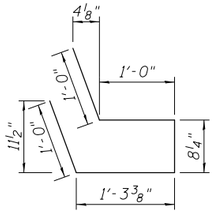
SECTION E-E



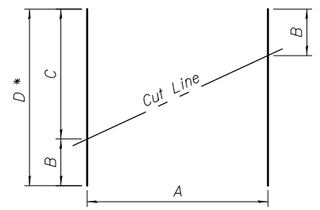
SECTION G-G



SECTION H-H



BAR h45

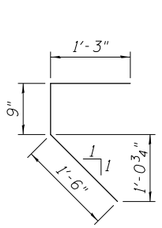


CUTTING DIAGRAM

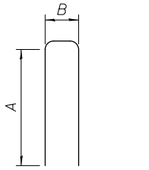
Order bars full length. Cut as shown and use remainder of bars in opposite face as indicated on sheets S34 thru S36 of S47.

	Bar	A	B	C	D
*	t33	4- #7 bars	2'-4 1/2"	9'-3"	9'-3"
*	t34	4- #7 bars	1'-4 1/2"	9'-6"	9'-6"
*	t35	2- #7 bars	2'-4 1/2"	3'-9"	3'-9"
	h8	6- #5 bars	1'-3"	12'-4 1/2"	13'-7 1/4"
*	h32	4- #5 bars	5-9 1/2"	6'-10 1/2"	6'-10 1/2"

* Single series.
D=C

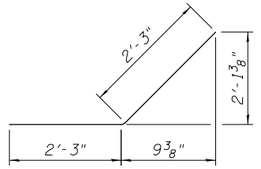


BAR v3

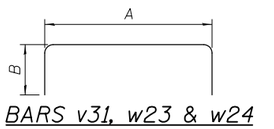


BARS h16, v1 & v2

Bar	A	B
h16	10"	1'-0"
v1	1'-3"	9"
v2	3'-3"	9"

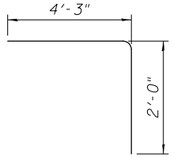


BAR h23

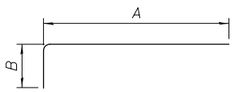


BARS v31, w23 & w24

Bar	A	B
v31	3'-9"	8"
w23	11"	10"
w24	2'-10"	10"

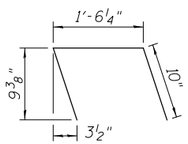


BAR v27

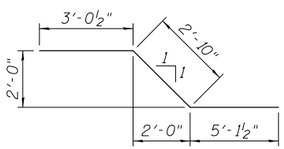


BARS n1 thru n7

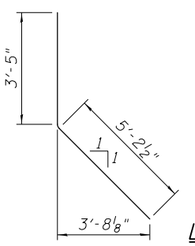
Bar	A	B
n1	7'-9"	1'-4"
n2	6'-3"	10"
n3	10'-3"	1'-2"
n4	11'-3"	1'-2"
n5	6'-9"	1'-2"
n6	9'-3"	1'-2"
n7	4'-9"	1'-2"



BAR h30



BAR t30



BAR v23

LEGEND

Concrete Removal

SECTION F-F

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	43	#5	2'-0"	
d1	132	#5	1'-6"	
h7	22	#5	13'-3 1/2"	
h8	6	#5	13'-7 1/2"	
h9	2	#5	14'-6"	
h16	13	#5	2'-8"	
h23	14	#5	4'-6"	
h26	8	#5	34'-3"	
h27	8	#5	27'-3"	
h28	26	#5	5'-2"	
h29	26	#5	6'-3"	
h30	17	#5	3'-2 1/4"	
h32	4	#5	6'-10 1/2"	
h31	4	#5	4'-6"	
h38	3	#6	27'-8"	
h39	8	#4	4'-5"	
h40	3	#6	33'-9"	
h41	2	#4	10'-6"	
h44	6	#4	14'-3"	
h45	5	#4	4'-8 1/4"	
n1	20	#8	9'-1"	
n2	16	#5	7'-1"	
n3	9	#7	11'-5"	
n4	7	#7	12'-5"	
n5	16	#7	7'-11"	
n6	2	#7	10'-5"	
n7	4	#7	5'-11"	
t1	8	#5	11'-0"	
t3	17	#8	11'-0"	
t13	6	#7	7'-10"	
t18	8	#7	11'-9"	
t30	17	#5	11'-10"	
t31	6	#7	5'-11"	
t32	6	#7	3'-1"	
t33	4	#7	9'-3"	
t34	4	#7	9'-6"	
t35	2	#7	3'-9"	
v1	46	#4	3'-3"	
v2	25	#5	7'-3"	
v3	16	#4	3'-6"	
v4	10	#8	13'-6"	
v5	11	#5	12'-0"	
v6	10	#8	10'-9"	
v7	5	#5	10'-9"	
v8	20	#5	5'-3"	
v10	8	#5	3'-6"	
v17	8	#5	7'-0"	
v18	9	#7	6'-3"	
v19	20	#7	12'-0"	
v23	9	#5	8'-8"	
v25	9	#5	3'-3"	
v27	7	#6	6'-3"	
v31	116	#4	5'-1"	
w13	3	#5	5'-3"	
w14	5	#5	2'-10"	
w15	8	#5	15'-6"	
w16	10	#5	14'-3"	
w17	3	#5	21'-0"	
w18	3	#5	6'-5"	
w19	3	#5	8'-6"	
w23	29	#5	2'-7"	
w24	72	#5	4'-6"	

Concrete Structures	Cu. Yd.	58.6
Structure Excavation	Cu. Yd.	57
Reinforcement Bars	Pound	8,220
Cofferdam, Type 1 (Location 1)	Each	1
Cofferdam Excavation	Cu. Yd.	182.3
Rock Excavation	Cu. Yd.	4.6

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT DETAILS
STRUCTURE NO. 046-0036
SHEET NO. S36 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	72
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

MODEL NAME = Default
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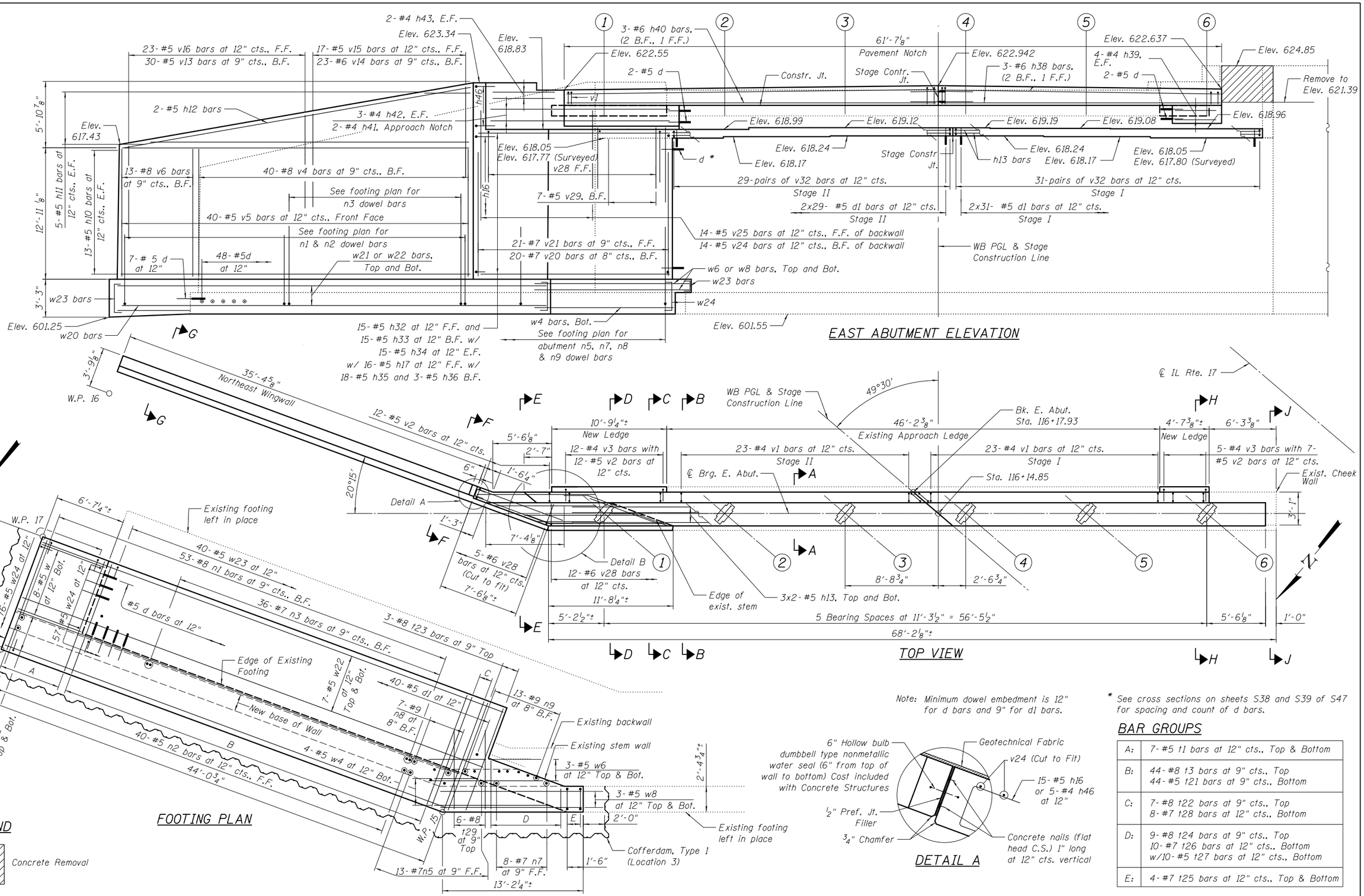

BAR GROUPS

A:	7-#5 t1 bars at 12" cts., Top & Bottom
B:	44-#8 t3 bars at 9" cts., Top 44-#5 t21 bars at 9" cts., Bottom
C:	7-#8 t22 bars at 9" cts., Top 8-#7 t28 bars at 12" cts., Bottom
D:	9-#8 t24 bars at 9" cts., Top 10-#7 t26 bars at 12" cts., Bottom w/10-#5 t27 bars at 12" cts., Bottom
E:	4-#7 t25 bars at 12" cts., Top & Bottom

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PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT
STRUCTURE NO. 046-0036
SHEET NO. S37 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	73
		CONTRACT NO. 66F57		
		ILLINOIS FED. AID PROJECT		

MODEL NAME = Default
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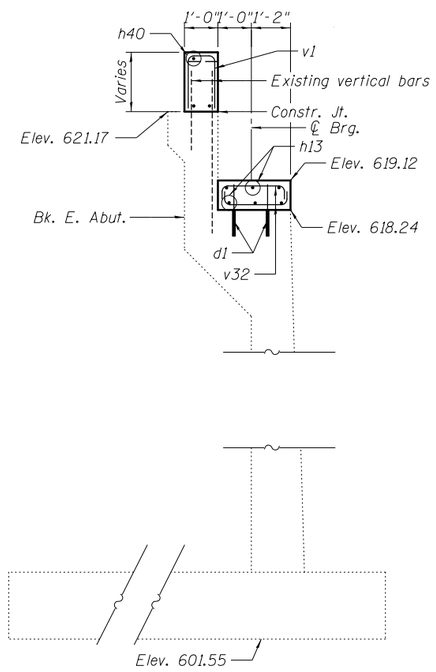
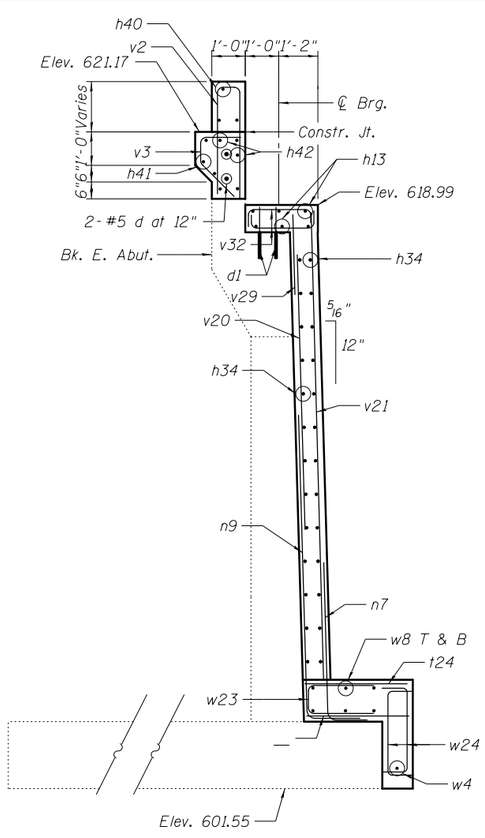
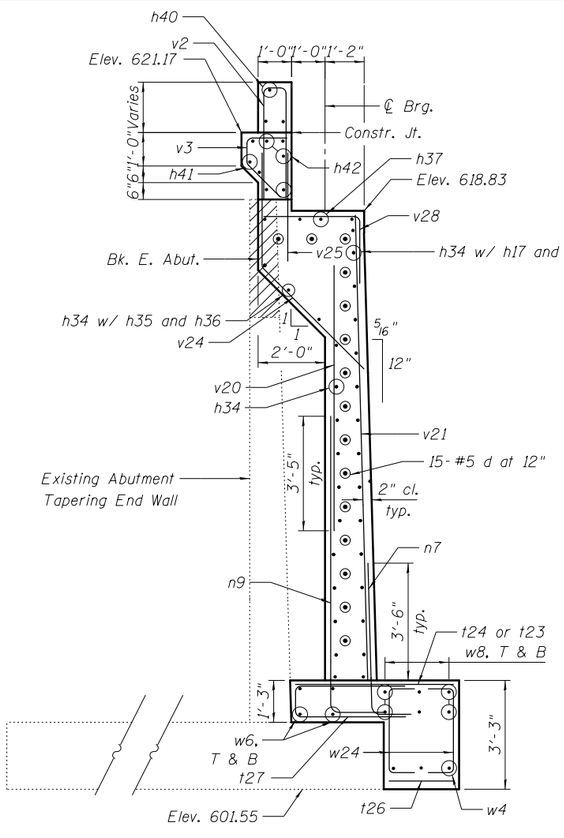


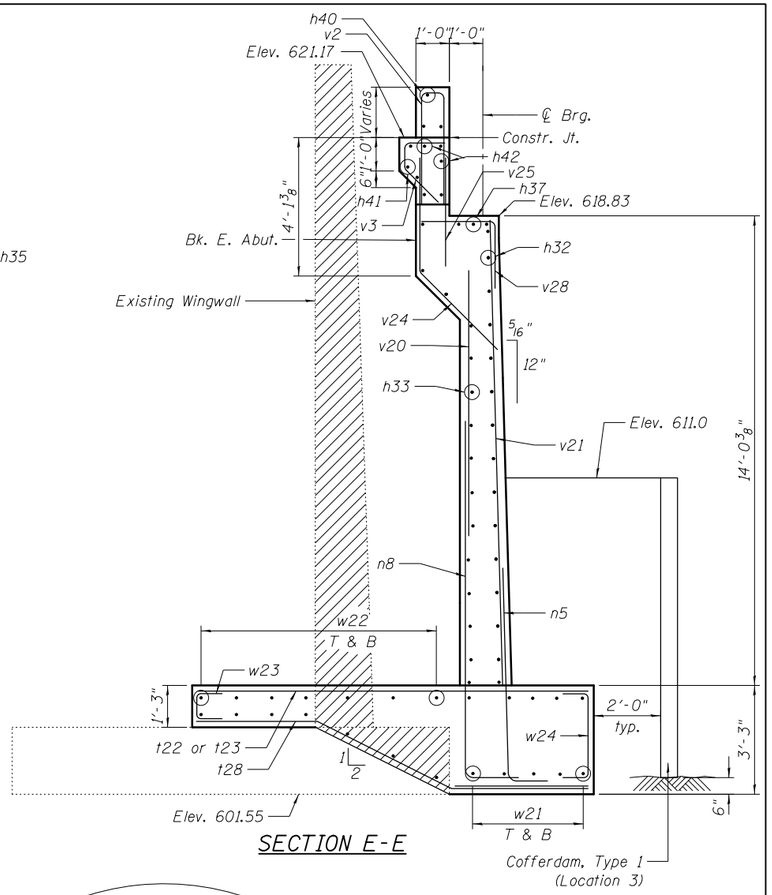
SECTION A-A



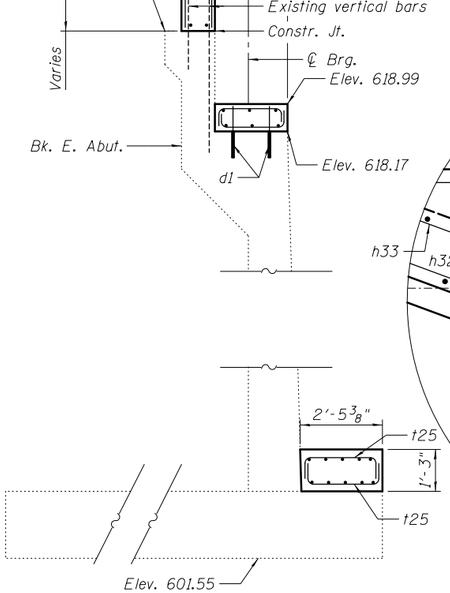
SECTION C-C



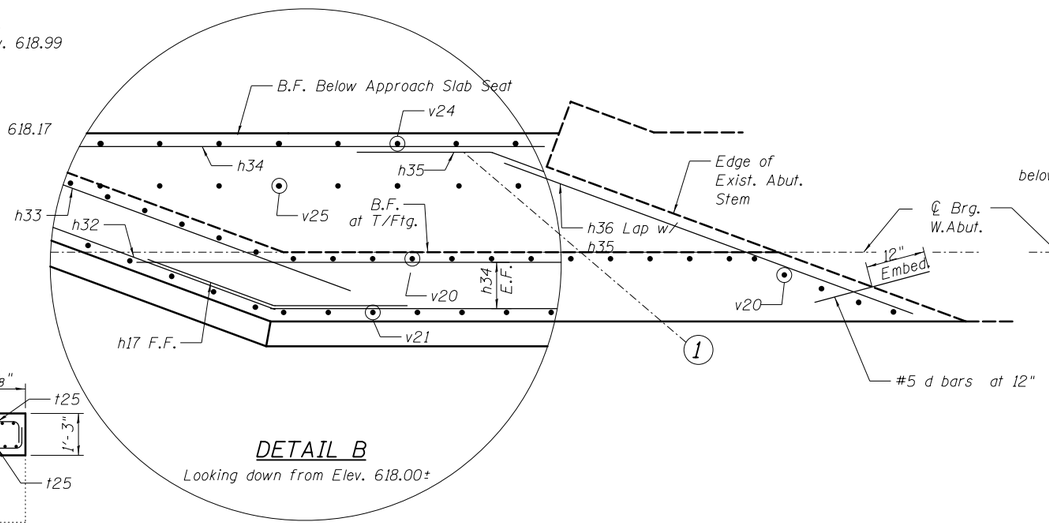
SECTION D-D



SECTION E-E

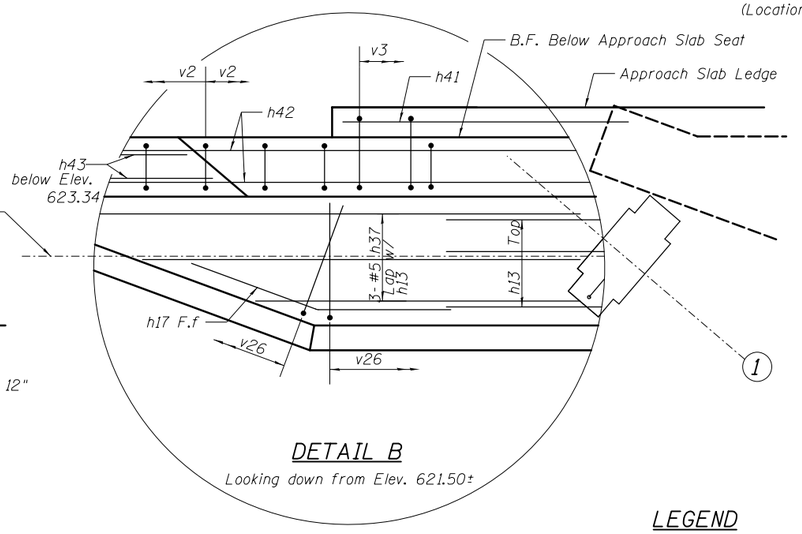


SECTION B-B



DETAIL B

Looking down from Elev. 618.00±



DETAIL B

Looking down from Elev. 621.50±

LEGEND

Concrete Removal

MODEL NAME = Default
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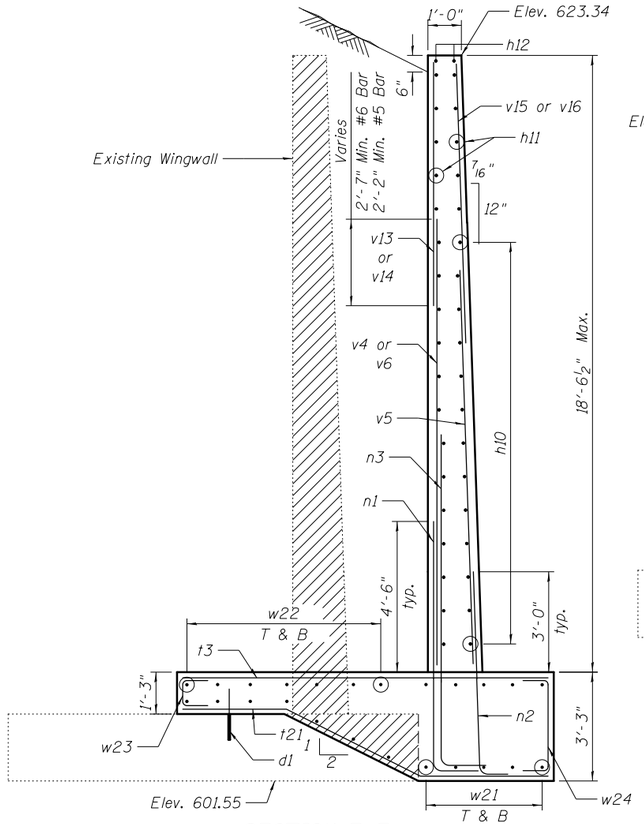
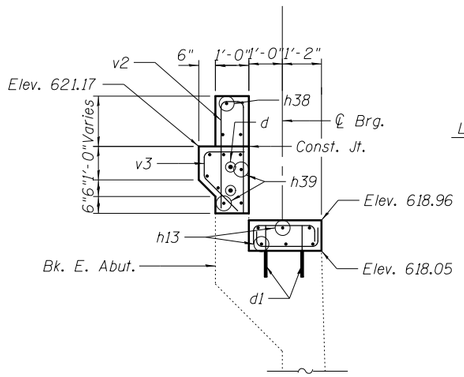
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS
STRUCTURE NO. 046-0036
SHEET NO. S38 OF S47 SHEETS

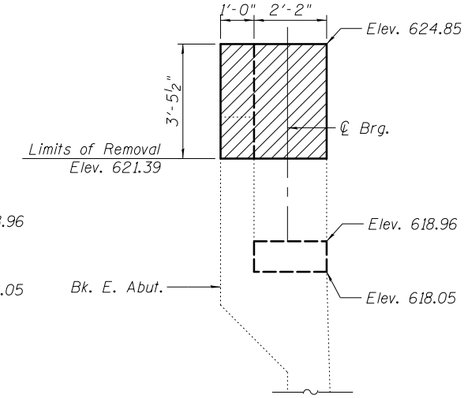
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	74
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		



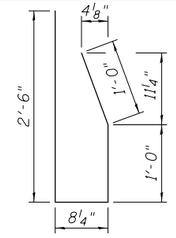
SECTION F-F



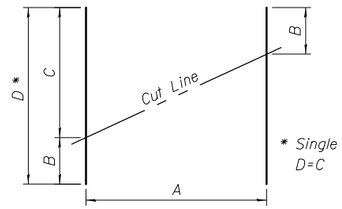
SECTION H-H



SECTION J-J



BAR h46



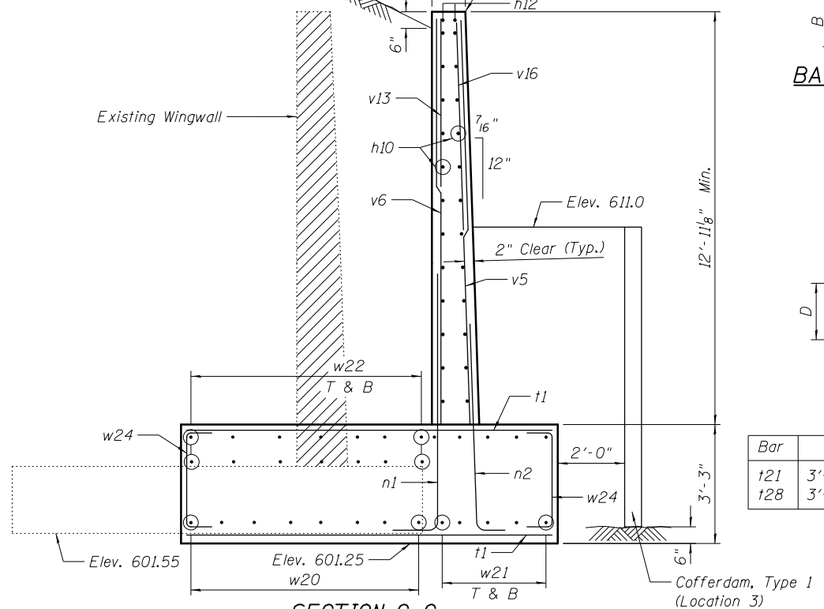
CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite face as indicated on sheets S37 thru S39 of S47.

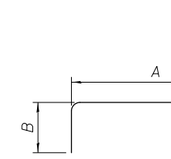
	Bar	A	B	C	D
*	t23	3- #8 bars	10'-3"	10'-9 5/8"	10'-9 5/8"
*	t24	8- #8 bars	2'-8 1/8"	4'-7 1/2"	4'-7 1/2"
*	t26	10- #7 bars	0'-8 3/4"	4'-0 5/8"	4'-0 5/8"
*	t29	6- #8 bars	10'-3"	11'-7 5/8"	11'-7 5/8"
	h11	5- #5 bars	7'-10"	31'-5 1/2"	39'-3 1/2"
*	h37	3- #5 bars	5'-6"	9'-5 1/4"	9'-5 1/4"
*	w4	4- #5 bars	4'-5"	11'-6"	11'-6"
	w6	3- #5 bars	5'-3"	10'-8"	15'-11"

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	74	#5	2'-0"	
d1	160	#5	1'-6"	
h10	26	#5	35'-1 1/2"	
h11	5	#5	39'-3 1/2"	
h12	2	#5	35'-7 1/2"	
h13	12	#5	33'-3"	
h16	15	#5	2'-8"	
h17	16	#5	4'-6"	
h32	15	#5	7'-5"	
h33	15	#5	8'-6"	
h34	30	#5	11'-1"	
h35	18	#5	5'-4 1/2"	
h36	3	#5	6'-9"	
h37	3	#5	9'-5 1/4"	
h38	3	#6	27'-8"	
h39	8	#4	4'-5"	
h40	3	#6	33'-9"	
h41	2	#4	10'-6"	
h42	6	#4	17'-2"	
h43	4	#4	4'-6"	
h46	5	#4	5'-2 1/4"	
n1	53	#8	9'-1"	
n2	40	#5	7'-1"	
n3	36	#7	11'-5"	
n5	13	#7	7'-11"	
n7	8	#7	5'-11"	
n8	7	#9	11'-10"	
n9	13	#9	9'-10"	
t1	14	#5	11'-0"	
t3	44	#8	11'-0"	
t21	44	#5	11'-4 3/8"	
t22	7	#8	11'-0"	
t23	3	#8	10'-9 5/8"	
t24	8	#8	4'-7 1/2"	
t25	8	#7	4'-2"	
t26	10	#7	4'-0 1/2"	
t27	10	#5	3'-7 1/2"	
t28	8	#7	12'-2"	
t29	6	#8	11'-7 5/8"	
v1	46	#4	3'-3"	
v2	31	#5	7'-3"	
v3	17	#4	3'-6"	
v4	40	#8	13'-6"	
v5	40	#5	12'-0"	
v6	13	#8	10'-9"	
v13	30	#5	5'-0"	
v14	23	#6	7'-6"	
v15	17	#5	8'-9"	
v16	23	#5	6'-3"	
v20	20	#7	8'-0"	
v21	21	#7	13'-6"	
v24	14	#5	7'-10"	
v25	14	#5	3'-3"	
v28	17	#6	4'-11"	
v29	7	#5	4'-0"	
v32	120	#4	2'-3"	
w4	4	#5	11'-6"	
w6	3	#5	15'-11"	
w8	6	#5	13'-3"	
w20	8	#5	6'-3"	
w21	10	#5	44'-4"	
w22	14	#5	46'-0"	
w23	60	#5	2'-7"	
w24	133	#5	4'-6"	
Concrete Structures		Cu. Yd.	107.0	
Structure Excavation		Cu. Yd.	186	
Reinforcement Bars		Pound	16,690	
Cofferdam, Type 1 (Location 3)		Each	1	
Cofferdam Excavation		Cu. Yd.	103.5	
Rock Excavation		Cu. Yd.	7.57	

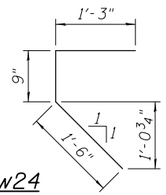


SECTION G-G

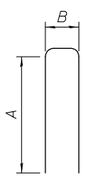


BARS t25, v32, w23 & w24

Bar	A	B
t25	2'-2"	1'-0"
v32	1'-11"	8"
w23	11"	10"
w24	2'-10"	10"

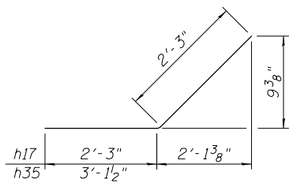


BAR v3

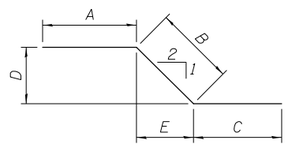


BARS h16, t27, v1 & v2

Bar	A	B
h16	10"	1'-0"
t27	3'-2"	11"
v1	1'-3"	9"
v2	3'-3"	9"

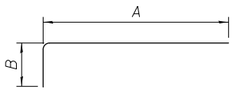


BARS h17 & h35



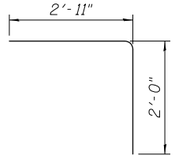
BARS t21 & t28

Bar	A	B	C	D	E
t21	3'-1"	4'-5 5/8"	3'-9 3/4"	2'-0"	4'-0"
t28	3'-7 3/8"	4'-5 5/8"	4'-1"	2'-0"	4'-0"

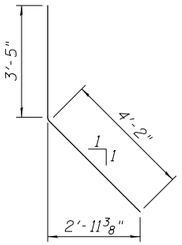


BARS n1 thru n3, n5 & n7 thru n9

Bar	A	B
n1	7'-9"	1'-4"
n2	6'-3"	10"
n3	10'-3"	1'-2"
n5	6'-9"	1'-2"
n7	4'-9"	1'-2"
n8	11'-3"	1'-7"
n9	9'-3"	1'-7"



BAR v28



BAR v24

LEGEND

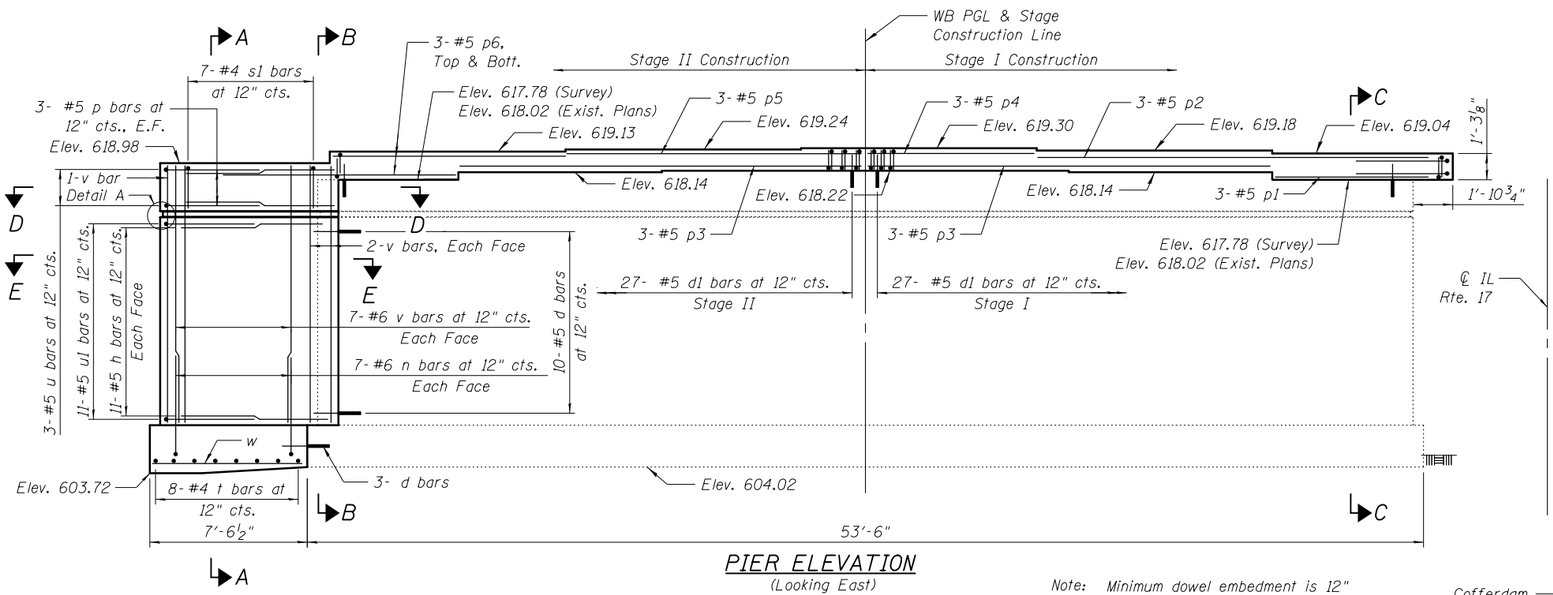
Concrete Removal

MODEL NAME = Default
FILE NAME = F:\3-308 IDOT\Std 3-308-IL IT Over Baker Creek\6_Drawings\C400_Sheets\0460035_36-66F57-039-WBasbut3.dgn

BLOOM COMPANIES, LLC — Infrastructure Innovation and Ingenuity — 150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606 — Phone: (312) 876-6000 Fax: (312) 876-9650	USER NAME = jandrews	DESIGNED - RJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - JA	REVISED -	
	PLOT SCALE = 4.5245 ' / in.	DRAWN - JA	REVISED -	
	PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -	

EAST ABUTMENT DETAILS
STRUCTURE NO. 046-0036
SHEET NO. S39 OF S47 SHEETS

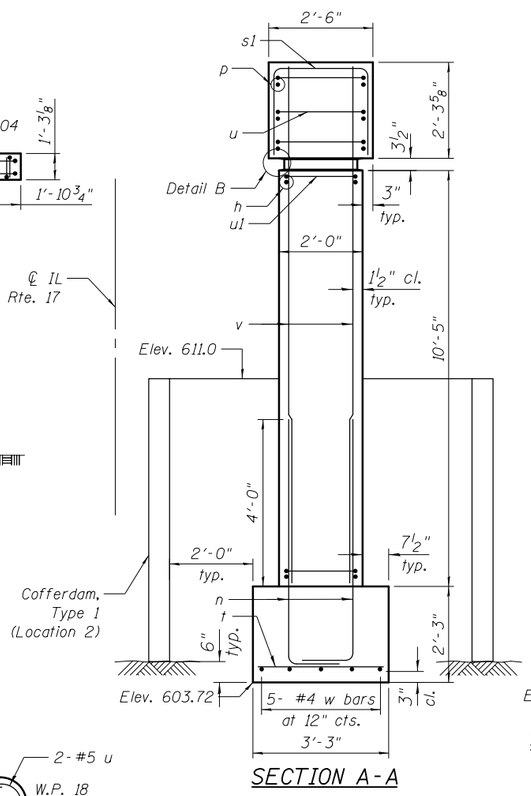
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	75
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



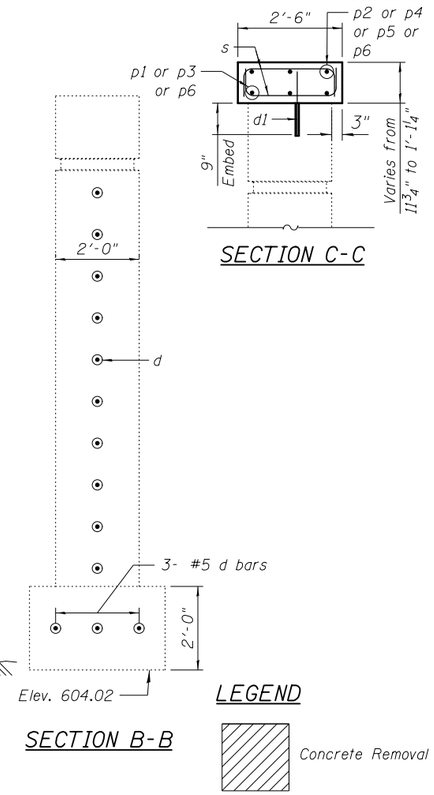
PIER ELEVATION

(Looking East)

Note: Minimum dowel embedment is 12" for d bars and 9" for d1 bars.



SECTION A-A

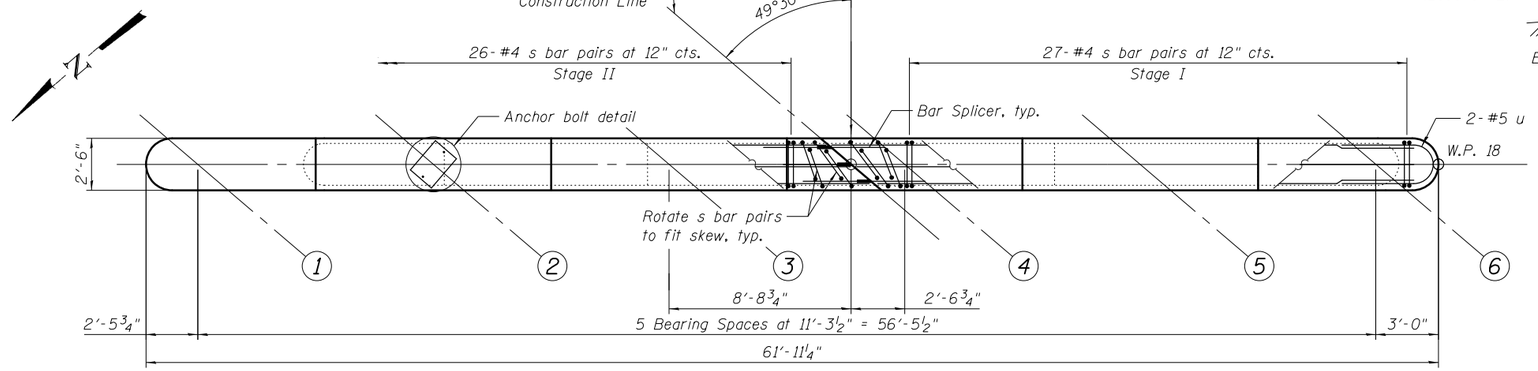


SECTION C-C

SECTION B-B

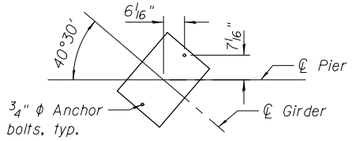
LEGEND

Concrete Removal



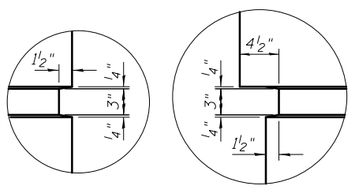
TOP PLAN

(North Extension of Pier Wall)



ANCHOR BOLT DETAIL

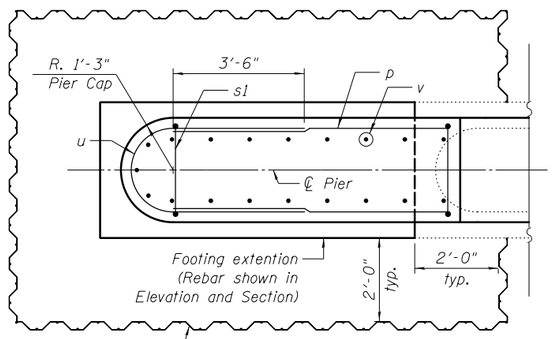
Space reinforcement in cap to miss anchor bolts (Typ. at all girder lines)



DETAIL A

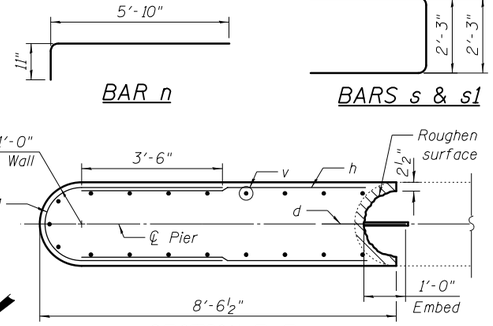
DETAIL B

NOTCH DETAILS



SECTION D-D

(Pier Cap - North Extension)

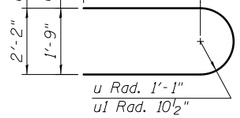


BAR n

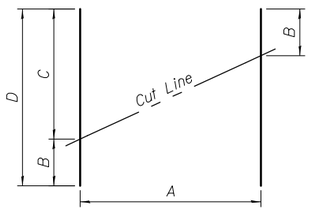
SECTION E-E

(Pier Wall - North Extension)

BARS s & s1



BARS u, & u1



CUTTING DIAGRAM (2 SERIES)

Order bars full length. Cut as shown and use remainder of bars in opposite face as indicated on this sheet.

	Bar	A	B	C	D
*	p3	3-#5 bars	17'-11"	20'-6"	38'-5"
*	p4	3-#5 bars	6'-7"	9'-3"	15'-10"
*	p5	3-#5 bars	12'-9"	15'-5"	28'-2"

* Single series. D=C

PIER BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	13	#5	2'-0"	
d1	54	#5	1'-6"	
h	22	#5	6'-9"	
n	14	#6	6'-9"	
p	6	#5	6'-7"	
p1	3	#5	7'-3"	
p2	3	#5	18'-7"	
p3	3	#5	38'-5"	
p4	3	#5	15'-10"	
p5	3	#5	28'-2"	
p6	6	#5	11'-0"	
s	114	#4	3'-9"	
s1	7	#4	6'-3"	
t	8	#4	3'-0"	
u	5	#5	10'-5"	
u1	11	#5	9'-9"	
v	19	#6	12'-3"	
w	5	#4	7'-4"	

Concrete Structures	Cu. Yd.	17.0
Reinforcement Bars	Pound	1,730
Cofferdam, Type 1 (Location 2)	Each	1
Rock Excavation	Cu. Yd.	1.5
Cofferdam Excavation	Cu. Yd.	12.3

MODEL NAME = Default
FILE NAME = P:\3-1308 (DOT)\Sht 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD\Sheets\0460035_36-66F37-040-WBbler.dgn

BLOOM COMPANIES, LLC
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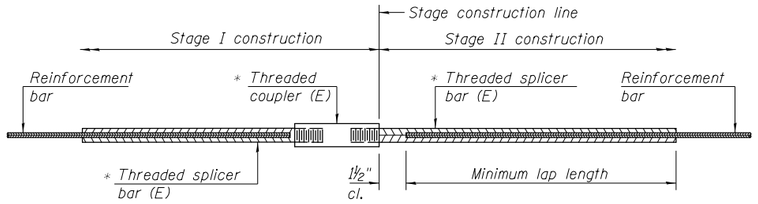
USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 7.2599 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 12/10/2018	CHECKED - 12/10/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER
STRUCTURE NO. 046-0036
SHEET NO. S40 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	76
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

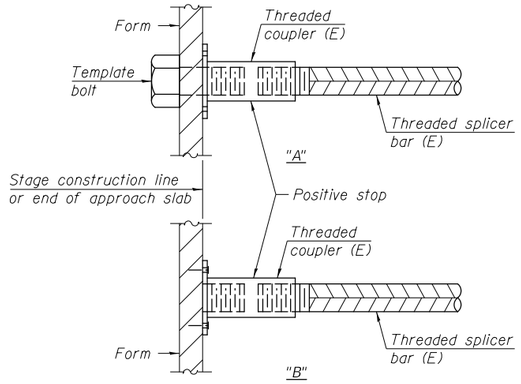


STANDARD BAR SPLICER ASSEMBLY

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

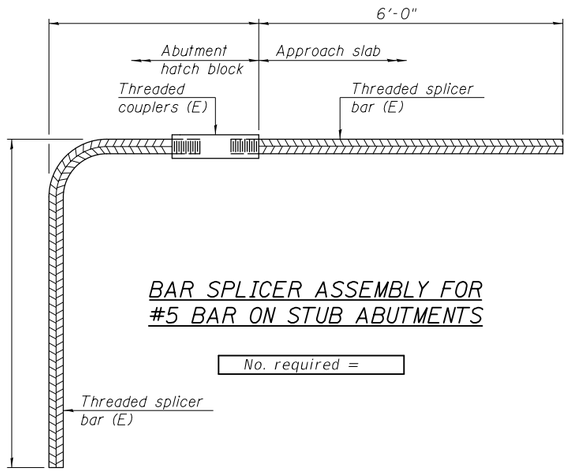
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

	Location	Bar size	No. assemblies required	Minimum lap length
	Superstructure	#5	736	3'-6"
	Superstructure	#7	20	5'-2"
	Approach Slabs	#5	60	3'-6"
	Approach Slabs	#8	80	5'-11"
	Approach Footing	#5	84	3'-6"
*	Substructure	#5	12	3'-6"
*	Substructure	#6	12	4'-4"



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.



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.

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
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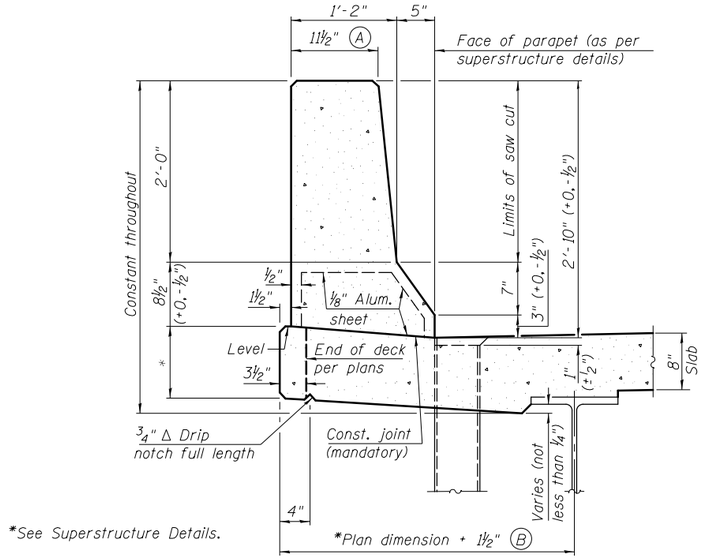
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

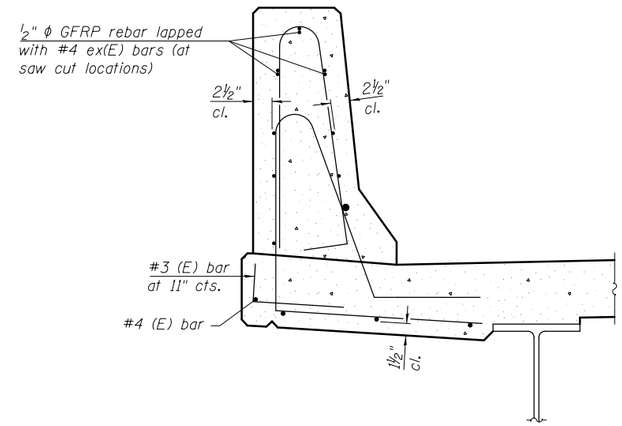
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S41 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J1	KANKAKEE	114	77
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



34" F SHAPE PARAPET SECTION

(Showing dimensions)



SECTION

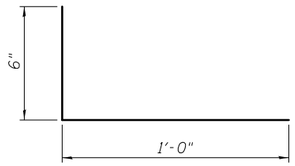
(34" parapet shown - 42" parapet similar)
(Showing reinforcement clearances for slip forming and additional reinforcement bars)

GENERAL NOTES

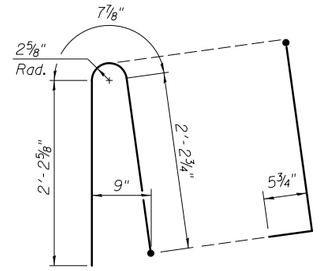
All dimensions shall remain the same as shown on superstructure details, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0165 cu. yds./ft. for 34" parapet or = 0.0223 cu. yds./ft. for 42" parapet.

Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler.

Steel superstructure shown. Other superstructure types similar.



#3 (E) BAR



ALTERNATE BAR d(E)

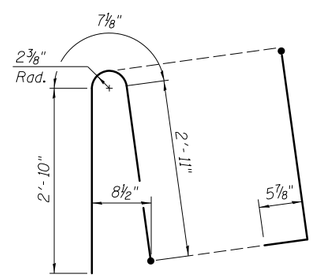
(For 34" parapet when conduit is present)

GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

42" F SHAPE PARAPET SECTION

(Showing dimensions)



ALTERNATE BAR d(E)

(For 42" parapet when conduit is present)

SFP 34-42 2-17-2017

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FILE NAME = F:\3-1308 IDOT\Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0460035_36-66F57-042-slfudgn

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S42 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J	KANKAKEE	114	78
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/26/16

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY Larry Myers

SECTION 1-B-R LOCATION SW 1/4, SEC. 36, TWP. 31N, RNG. 12E, 3rd PM, Latitude 41.119255, Longitude -87.791429

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 01 (S.E. Quad.WBL)
Station 116+15
Offset 23.0 ft Lt.
Ground Surface Elev. 622.26 ft

Surface Water Elev. 608.84 ft
Stream Bed Elev. 607.03 ft

Groundwater Elev.:
First Encounter 602.3 ft ▼
Upon Completion 604.3 ft ▽
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Brown Silty Clay Loam Fill with Gravel Pieces & Debris			
619.76			
Very Stiff Brown Silty Clay Loam Till Fill with Black Silty Clay Loam Fill & Gravel & Debris	4		
	3 4	2.0 P	18
-5			
	3		
	4 5	2.5 P	16
615.26			
Very Stiff Black & Gray Silty Clay Loam Fill (?) with Limestone Gravel Pieces & Cobble size Limestone felt at 9 Ft * Rock in Shoe	3		
	4 5	* *	14
-10			
	3		
	4 5	* *	18
	3		
	4 6	3.9 B	21
-15			
	3		
	4 3	2.7 B	19
605.26			
Weathered & Reworked White Limestone in Gray Silty Loam Matrix ▽	21		
	25 31		6
602.26 ▼ -20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense White Limestone 602.01	100/3"		4
Auger Refusal at 20 Ft			
End of Boring			
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/27/16

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY Larry Myers

SECTION 1-B-R LOCATION NW 1/4, SEC. 1, TWP. 30N, RNG. 13W, 2nd PM, Latitude 41.119032, Longitude -87.792367

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 02 (S.W. Quad. EBL)
Station 113+52
Offset 62.0 ft Rt.
Ground Surface Elev. 622.36 ft

Surface Water Elev. 608.84 ft
Stream Bed Elev. 607.63 ft

Groundwater Elev.:
First Encounter 607.4 ft ▼
Upon Completion 606.4 ft ▽
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bituminous Shoulder, Brown Silty Clay Loam Till Fill			
619.86			
Very Stiff Brown & Gray Silty Clay Loam Till Fill with Large Limestone Pieces felt by augers	4		
	5 6	3.7 B	17
-5			
	4		
	3 4	3.8 B	20
	3		
	3 4	2.7 B	20
612.86			
Very Stiff Black, Gray & Brown Silty Clay Loam / Silty Clay Fill with Large Gravel Pieces, some Cobble Size	3		
-10			
	5 5	3.6 B	20
	2		
	2 4	2.0 B	23
608.36			
Medium Gray Limestone Gravel, Sand & Silt Layers with some Gray Silty Loam ▼ -15	6		
▽	9 12		14
604.36	38		
Dense White Limestone 603.94	100/5"		10
Auger Refusal at 18.5 Ft			
End of Boring			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING 046-0035,0036.GPJ IL_DOT.GDT 11/7/16

MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Dist 3\3-1308-JL IT Over Baker Creek\5_Drawings\CADD_Sheets\046003S_36-66F57-043-bor1.dgn

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS - I
STRUCTURE NO. 046-0035 /046-0036
SHEET NO. S43 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	79
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/27/16

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY Larry Myers

SECTION 1-B-R LOCATION NW 1/4, SEC. 1, TWP. 30N, RNG. 13W, 2nd PM, Latitude 41.119035, Longitude -87.791762

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 03 (S.E. Quad. EBL)
Station 115+22
Offset 61.0 ft Rt.
Ground Surface Elev. 622.43 ft

Surface Water Elev. 608.84 ft
Stream Bed Elev. 607.63 ft

Groundwater Elev.:
First Encounter 603.9 ft ▼
Upon Completion 603.9 ft ▽
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
Augered Bituminous Shoulder, Brown Silty Clay Loam Till Fill				
619.93				
Stiff Brown Silty Clay Loam Till Fill	3			
	4 3	1.5 P	19	
-5				
	2			
	3 2	1.5 P	19	
614.93				
Very Stiff Black, Gray & Brown Silty Clay Loam with Large Limestone Gravel Pieces - some Cobble Size	2			
	3 6	2.0 P	13	
-10				
	4			
	5 3	2.4 B	18	
	3			
	4 5	2.7 B	20	
-15				
	5			
	8 16	2.5 P	15	
605.43				
Dense White Limestone Gravel in Gray Silt / Silty Loam Matrix	36			
603.93 ▼	92		12	
603.85	100/1"			
Auger Refusal White Limestone End of Boring				
-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/28/16

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY Larry Myers

SECTION 1-B-R LOCATION SW 1/4, SEC. 36, TWP. 31N, RNG. 12E, 3rd PM, Latitude 41.119383, Longitude -87.791791

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 04 (N.W. Quad. WBL)
Station 114+95
Offset 65.0 ft Lt.
Ground Surface Elev. 621.66 ft

Surface Water Elev. 608.84 ft
Stream Bed Elev. 607.03 ft

Groundwater Elev.:
First Encounter 606.7 ft ▼
Upon Completion 604.7 ft ▽
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
Augered Shoulder Gravel & Brown Silty Clay Loam Fill				
619.16				
Stiff Brown Silty Clay Loam Till Fill	5			
	3 2	1.5 P	13	
-5				
	2			
	2 2	1.5 P	15	
614.66				
Very Stiff Black, Gray & Brown Silty Clay Loam Fill with Large Limestone Gravel Pieces up to Cobble Size	3			
	4 4	3.1 B	11	
-10				
	4			
	5 7	3.4 B	10	
	8			
	6 6	3.4 B	10	
606.66 ▼ -15				
	5			
Medium White Limestone Gravel in Gray Silty Loam Matrix	7 11		10	
▽				
	37			
	100/5"		9	
602.66				
Auger Refusal at 19 Ft End of Boring				
-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING 045-0035,0036.GPJ IL_DOT.GDT 11/7/16

SOIL BORING 046-0035,0036.GPJ IL_DOT.GDT 11/7/16

MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Sht 3-1-1308-IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\0460035_36-66F57-044-bor-2.dgn

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-6000 Fax: (312) 876-6050

USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS – II
STRUCTURE NO. 046–0035 /046–0036
SHEET NO. S44 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1I	KANKAKEE	114	80
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 1/4/62

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY J.G.G. & J.E.S.

SECTION 1-B-R LOCATION SW 1/4, SEC. 36, TWP. 31N, RNG. 12E, 3rd PM, Latitude , Longitude

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 1 (Pier WBL)
Station 115+50
Offset 35.0 ft Lt.
Ground Surface Elev. 618.97 ft

Surface Water Elev. 608.89 ft
Stream Bed Elev. ft

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

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Yellowish Brown Sandy Loam & Clay Loam (Embankment)				
616.00		8	1.4 B	25
Stiff Brownish Black Clay	-5			
613.00		10	1.6 B	31
Medium Yellowish Brown Clay				
610.00		4	0.7 B	34
Medium Yellowish Brown & Gray Angular Sand with Fragments of Limestone	-10	20		
607.50				
Very Dense Gray Angular Sand with Limestone Fragments		69		
604.50				
Limestone 603.97	-15	300/5.5"		
Dense White to Gray Limestone, Thin Bedding (Cored) Recovery 55%				
Core Obtained 4/17/1962				
599.50				
End of Boring	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 1/4/62

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY J.G.G. & J.E.S.

SECTION 1-B-R LOCATION SW 1/4, SEC. 36, TWP. 31N, RNG. 12E, 3rd PM, Latitude , Longitude

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 2 (E. Abut. WBL)
Station 116+48
Offset 57.0 ft Lt.
Ground Surface Elev. 617.60 ft

Surface Water Elev. 608.89 ft
Stream Bed Elev. ft

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

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Sandy Loam & Clay Loam Embankment				
613.60		11		
Medium Brownish Black Clay	-5			
611.10		7		
Medium Yellowish Brown and Gray Clay				
608.60		2	0.9 B	43
Soft Light Brown & Gray Fine Sandy Loam (small amounts of Organic Material)	-10			
606.10		3	0.4 S	29
Dense Gray Angular Sand				
603.60		31		
Very Dense Gray Angular Sand	-15			
601.60		79		
Dense White to Gray Thinly Bedded Limestone (Cored) Recovery 60%				
Core Obtained 4/17/1962				
	-20			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
597.10				
End of Boring	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING 046-0035,0036.GPJ IL_DOT.GDT 11/7/16

MODEL NAME = Default
FILE NAME = P:\1308 IDOT\Sht 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD\Sheets\0460035_36-66F57-045-bor-3.dgn

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS – III
STRUCTURE NO. 046–0035 /046–0036
SHEET NO. S45 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	81
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 1/5/62

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY J.G.G. & J.E.S.

SECTION 1-B-R LOCATION NW 1/4, SEC. 1, TWP. 30N, RNG. 13W, 2nd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 3 (E. Abut. EBL)
Station 155+43
Offset 32.0 ft Rt.
Ground Surface Elev. 615.56 ft

Surface Water Elev. 608.89 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 610.2 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Brownish Black Clay				
		10	1.0 E	41
611.56				
Stiff Yellowish Brown Clay	-5			
		6	1.3 S	31
608.56				
Soft Yellowish Brown & Gray Clay small amount of Organic Material	607.56	6	0.5 B	38
Dense Gray Angular Sand with Fragments of Limestone	-10			
		38		
603.56				
Limestone	603.06	300/7.5"		
Dense Gray Limestone (Dolomite) Thin Bedding Cored - 30% Recovery Core Obtained 4/5/1962	-15			
598.06				
End of Boring	-20			

SOIL BORING 046-0035.0036.GPJ IL_DOT.GDT 11/7/16

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 1/5/62

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY J.G.G. & J.E.S.

SECTION 1-B-R LOCATION NW 1/4, SEC. 1, TWP. 30N, RNG. 13W, 2nd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 4 (W. Abut. EBL)
Station 113+98
Offset 32.0 ft Rt.
Ground Surface Elev. 614.43 ft

Surface Water Elev. 608.89 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 610.4 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Brownish Black Clay with Fine Sand Seams				
		6	1.0 E	25
609.93				
Soft Yellowish Brown Clay with Fine Sand Seams	-5			
		2	0.4 B	29
607.93				
Medium Gray Fine Sand with Limestone Fragments		16		
605.93				
Hard Gray Clay Loam	-10	117		
603.93				
Dense Gray Limestone (Dolomite) Thin Bedding Cored - 42% Recovery Core Obtained 4/4/1962				
599.93				
End of Boring	-15			
	-20			

SOIL BORING 046-0035.0036.GPJ IL_DOT.GDT 11/7/16

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\046035_36-66F57-046-bor4.dgn

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-0500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS – IV
STRUCTURE NO. 046–0035 /046–0036
SHEET NO. S46 OF S47 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	82
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 4/4/62

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY J.G.G. & J.E.S.

SECTION 1-B-R LOCATION NW 1/4, SEC. 1, TWP. 30N, RNG. 13W, 2nd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 5 (Pier EBL)
Station 114+48
Offset 54.0 ft Rt.
Ground Surface Elev. 616.05 ft

Surface Water Elev. 608.89 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 610.6 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Brownish Black Clay		10	1.5 E	30
612.55				
Stiff Yellowish Brown and Gray Clay	-5	6	1.2 B	29
610.05				
Very Soft Yellowish Brown & Gray Clay		3	0.2 B	39
608.55				
Soft Gray Loam				33
607.55				
Very Dense Gray Sandy Loam with Fragments of Limestone	-10	50		10
605.05				
Gray Sand				
603.55				
Dense Gray Limestone (Dolomite) thin Bedding Cored - 30% Recovery	-15			
598.55				
End of Boring	-20			

SOIL BORING 046-0035.0036.GPJ IL_DOT.GDT 11/7/16

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 4/5/62

ROUTE FA-18 (IL 17) DESCRIPTION IL 17 over Baker Creek, 2.3 miles East of Kankakee LOGGED BY J.G.G. & J.E.S.

SECTION 1-B-R LOCATION NW 1/4, SEC. 1, TWP. 30N, RNG. 13W, 2nd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. 046-0035/0036
Station 115+07.91

BORING NO. 6 (W. Abut. WBL)*
Station 115+10
Offset 62.0 ft Lt.*
Ground Surface Elev. 616.64 ft

Surface Water Elev. 608.89 ft
Stream Bed Elev. ft

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

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Clay Loam and Clay Embankment		12		
612.64				
Stiff Brownish Black Clay	-5	7	1.5 E	24
610.14				
Soft Yellowish Brown and Gray Clay		3	0.4 B	42
607.64				
Medium Fine to Coarse Gray Angular Sand and Gravel	-10	19		
605.14				
Very Dense Gray Sandy Loam with Limestone Fragments		190		11
602.64				
Limestone	602.14	300/2.25"		
Dense Gray Limestone (Dolomite) Thin Bedding Cored - 42% Recovery	-15			
* The 1962 log shows the location as "W. Abut. W.B.L." and "Sta 115+10, 62' Rt. Centerline". For the boring to be located at the west abutment of the westbound structure, the offset should be left, not right. Since borings were obtained at all the other five substructure locations, it is				
596.94	-20			

believed that this boring was truly obtained at the west abutment of the westbound bridge.
End of Boring

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

SOIL BORING 046-0035.0036.GPJ IL_DOT.GDT 11/7/16

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL NAME = Default
FILE NAME = F:\3-1308 IDOT\Dist 3\3-1308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\046003S_36-66F57-047.dgn

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-6500 Fax: (312) 876-9650

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS – V
STRUCTURE NO. 046–0035 /046–0036
SHEET NO. S47 OF S47 SHEETS

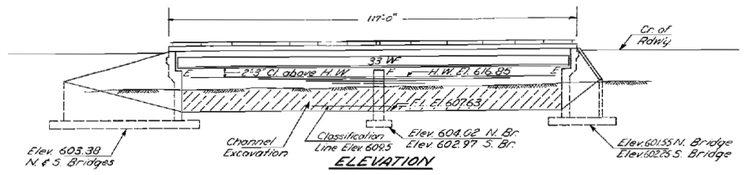
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	83
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

B.M.: Chiseled square on N. End of West Abut. Elev. 618.48
Existing Structure: R.C. Girder 1 Span @ 66.78', R.C. Abuts.
Concrete Floor to be removed by Road Contractor after bridges are completed & channel relocated. No salvage.

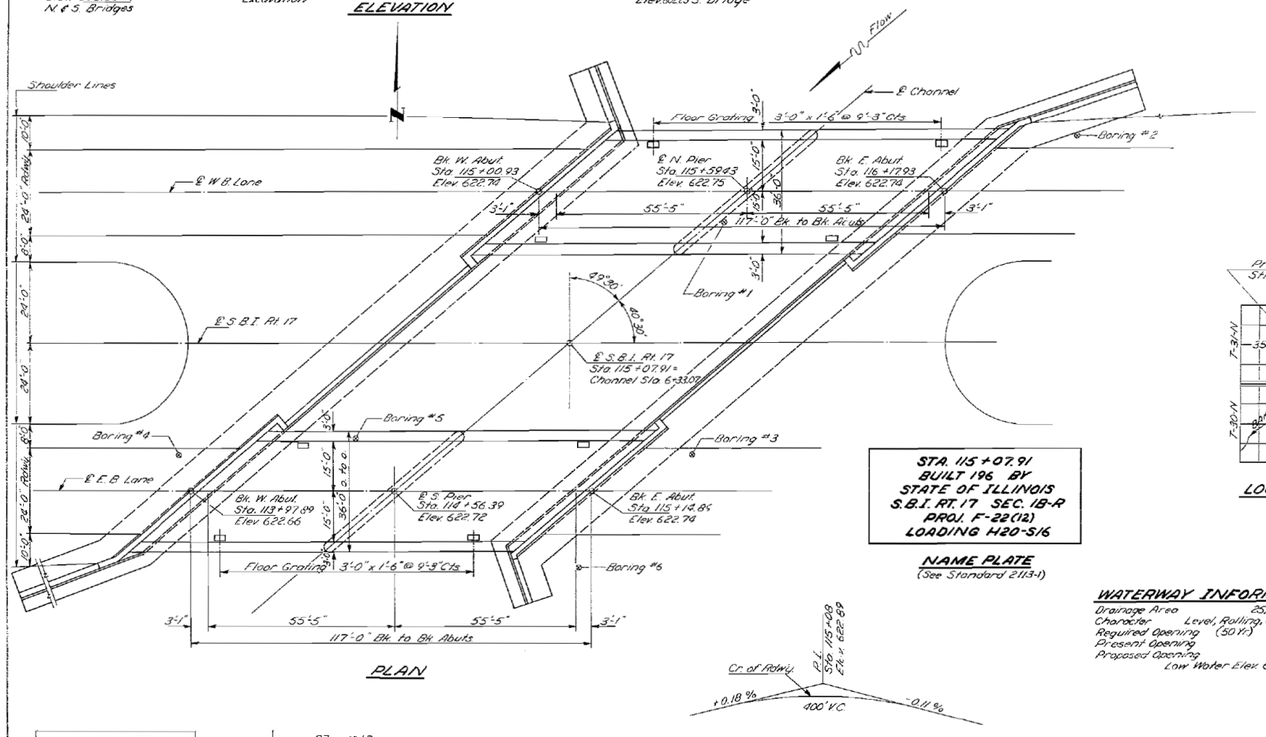
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 17	(B-R	KANKAKEE	44	15
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT F-22 (2)		

SHEET NO. 1
15 SHEETS



ELEVATION



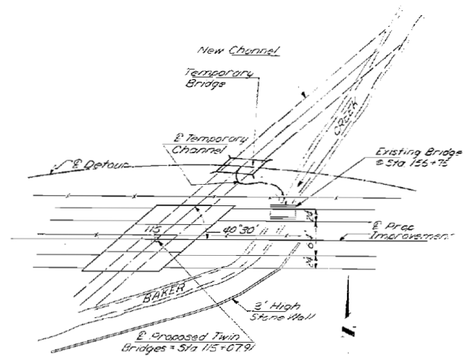
PLAN

STA. 115+07.91
BUILT 1963 BY
STATE OF ILLINOIS
S.B.I. RT. 17 SEC. 18-R
PROJ. F-22(12)
LOADING H20-S16

NAME PLATE
(See Standard 2113-1)

PROFILE S.B.I. RT. 17

DESIGNED	Walter Lorenz	EXAMINED	JUNE 27 1963
CHECKED	R Kowart	PASSED	
DRAWN	W.P.L. L. Wanless	APPROVED	
CHECKED	RK		



PROPOSED CHANNEL CHANGE

LOCATION PLAN

WATERWAY INFORMATION

Drainage Area	25,293 Acres
Character	Level, Rolling, Clay & Cult.
Required Opening (50 Yr.)	620 Sq. Ft.
Present Opening	623 Sq. Ft.
Proposed Opening	622 Sq. Ft.
Low Water Elev.	608.50

DESIGN STRESSES

fc = 1400 psi. Super.
fc = 1000 psi. Sub.
vc = 75 psi. Ftgs.
fs = 20,000 psi. Reinf.
fs = 20,000 psi. Struct.
n = 10

LOADING H20-S16-44

GENERAL NOTES

Coarse aggregate to be used in paraget mixture must be free of chert, flint, limonite, lignite and sandstone.
The concrete wearing slab shall be finished in accordance with Article 5.16 of the Standard Specifications.
All reinforcement bars shall be spaced 20 diameters unless otherwise shown.
All structural steel shall conform to A.S.T.M. Specifications Designation A-36.
Rivets 7/8" ℄, Gen. notes 13'-9", unless otherwise noted.
Anchor bolts shall be set before riveting diaphragms over supports.
The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.
Expansion guards are included in the quantity of Structural Steel. Estimated weight = 5,210 Lbs.
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and the full coat of aluminum paint. See Article 506.1 to 506.5 inclusive of the Standard Specifications.
The following surfaces of the abutment shall be waterproofed: the backs of the exterior walls and, in the layer construction joint and the backs of the wings below the tops of the footing.

TOTAL BILL OF MATERIAL

Item	Unit	Superstr.	Sub	Total
Channel Excav.	Cu. Yds.			15,875
Class B Excav. for Struct.	Cu. Yds.		1550	154
Class B Excav. for Struct.	Cu. Yds.		3220	1677
Rock Excav. for Struct.	Cu. Yds.		115	115
Class A Concrete	Cu. Yds.		327	1267
Class X Concrete	Cu. Yds.	2228	2812	1004.0
Structural Steel	Lbs.	24,960		24,960
Aluminum Handrail	Lin. Ft.	609		609
Reinforcement Bars	Lbs.	51,520	79,280	31,880
Name Plates	No.	1		1
Floor Drains	No.	44		44
Temporary Bridge	Ea.			1
Protective Coat	Sq. Yds.	1060		1060
Bridge Seal Sealant	Lin. Ft.			1

*Applied at Abutment Seats only.

GENERAL PLAN & ELEVATION
S.B.I. RT. 17 OVER BAKER CREEK
PROJ. F-22 (12)
S.B.I. RT. 17 - SEC. 18-R
KANKAKEE COUNTY
STA. 115+07.91

Revised 9/20/63: In TOTAL BILL OF MATERIAL changed item Temporary Bridge Complete to read Temporary Bridge W.P.L.

MODEL NAME = Default
FILE NAME = FAS-308 IDOT Dist 3 S-308R_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\04600035_36-66F57_048-existdgn

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

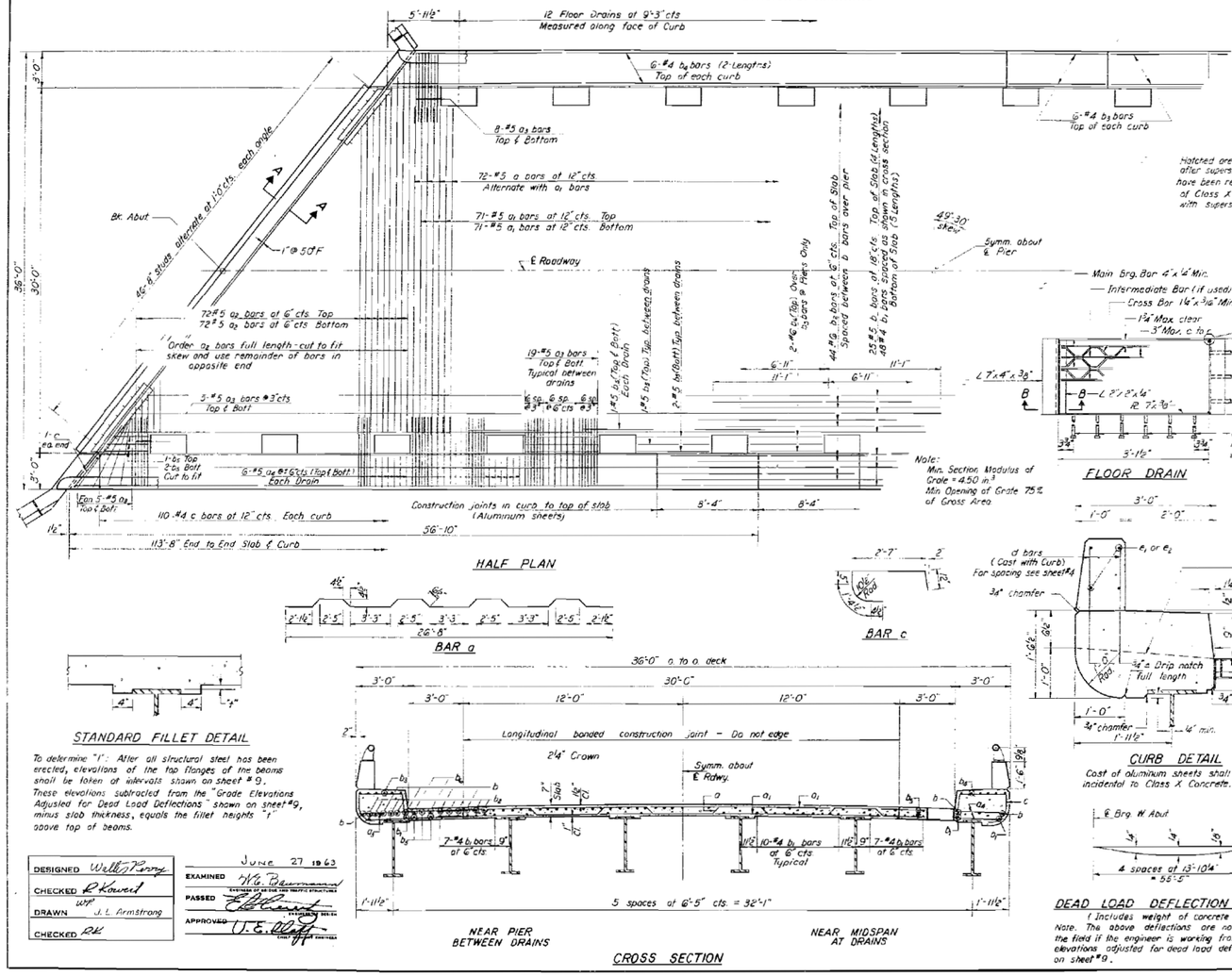
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	84
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 17	18-R	KANKAKEE	44	16
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

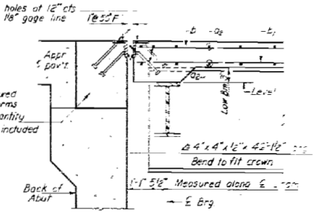
SHEET NO. 2
10 SHEETS



7/8"ø holes at 12" cts for 7/8" bolts set on 2 1/2" gage line. All bolts shall be burned, sawed, or clipped off flush with back of angles after forms are removed.

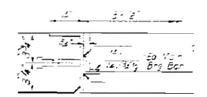
7/8"ø vent holes at 12" cts set on 1 1/8" gage line

3/4"ø x 8" C.R. 1020 STL. granular or cold flux filled headed studs automatically end welded. (Alternate at 1'-0" cts.)



Hatched area to be poured after superstructure forms have been removed. Quantity of Class X Concrete included with superstructure.

SECTION A-A



SECTION B-B

2 BRIDGES
BILL OF MATERIAL

Bar	No.	Size	Length, Shape
a	144	#5	33'-7"
a1	234	#5	22'-7"
a2	288	#6	34'-3"
a3	1516	#5	5'-6"
a4	576	#5	2'-6"
b	200	#5	29'-3"
b1	420	#4	33'-2"
b2	28	#6	18'0"
b3	48	#6	8'
b4	96	#4	20'0"
b5	304	#5	5'-9"
b6	8	#6	5'-9"
c	428	#4	5'-9"
Reinforcement Bars		Lbs	30340
Structural Steel		Lbs	24540
Class X Concrete		Cu. Yds.	229.2
Floor Drains		Each	48

* Weight of assemblies with load plates anchor bolts are included as structural steel. Est. Weight = 9450#

SUPERSTRUCTURE
No. ℄ So. BRIDGES
SBI RT 17 SEC 18-R
KANKAKEE COUNTY
STA. 115+07.91

DESIGNED	Wells Perry	EXAMINED	W.G. Baumann
CHECKED	P. Kowert	PASSED	
DRAWN	with J.L. Armstrong	APPROVED	U.E. Cliff
CHECKED	RK		

JUNE 27 1963

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS FOR INFORMATION ONLY
SHEET NO. 2 OF 9 SHEETS

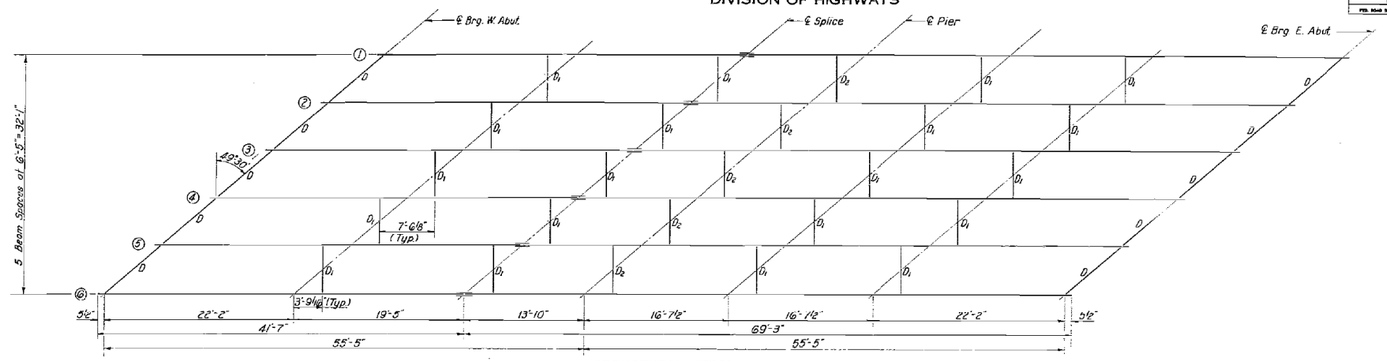
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	85
		CONTRACT NO. 66F57		
		ILLINOIS	FED. AID PROJECT	

MODEL NAME - Default
FILE NAME - F:\3-308 IDOT\Old 3\3-308_IL 17 Over Baker Creek\6_Drawings\CADD_Sheets\04660035_36-66F57-04-existsht.dgn

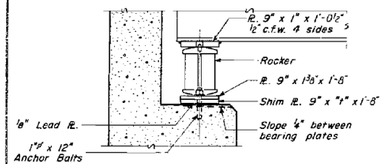
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECT NO.	METHOD	COUNTY	FED. PROJECT	MISC. NO.
SBI 17	18-R	KANKAKEE	44	17
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

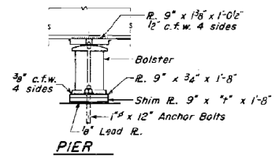
SHEET NO 3
10 SHEETS



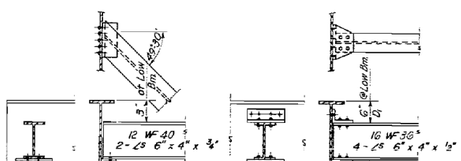
STRUCTURAL STEEL
All Beams 33WF130



SECTION AT ABUTMENT



PIER



DIAPHRAGM D
20 Required

DIAPHRAGM D_1 & D_2
40-D_1 Required
10-D_2 Required

TABLE OF "t" DIMENSIONS

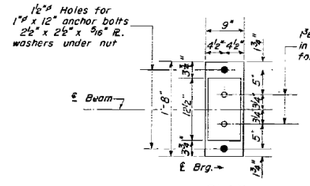
Location \ Beam	#1	#2	#3	#4	#5	#6
SOUTH BRIDGE						
℄ Brg. W. Abut.	—	1⅛"	⅞"	—	—	—
℄ Brg. Pier	—	1⅛"	1⅛"	—	—	—
℄ Brg. E. Abut.	—	1⅛"	1⅛"	—	—	—
NORTH BRIDGE						
℄ Brg. W. Abut.	—	—	—	—	—	—
℄ Brg. Pier	—	—	—	—	—	—
℄ Brg. E. Abut.	—	—	—	—	—	—

ELEVATION TOP OF WF

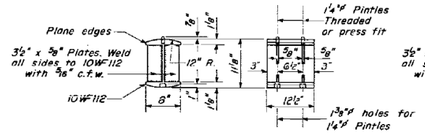
Location \ Beam	#1	#2	#3	#4	#5	#6
SOUTH BRIDGE						
℄ Brg. W. Abut.	G21.89	G22.01	G22.05	G22.07	G22.05	G21.88
℄ Splice	G21.87	G21.99	G22.06	G22.05	G21.98	G21.84
℄ Pier	G21.89	G22.01	G22.08	G22.07	G22.00	G21.86
℄ Brg. E. Abut.	G21.97	G22.09	G22.16	G22.15	G22.08	G21.94
NORTH BRIDGE						
℄ Brg. W. Abut.	G21.93	G22.08	G22.13	G22.15	G22.08	G22.95
℄ Splice	G21.90	G22.03	G22.10	G22.10	G22.03	G21.90
℄ Pier	G21.91	G22.04	G22.11	G22.11	G22.04	G21.9
℄ Brg. E. Abut.	G21.95	G22.08	G22.15	G22.15	G22.08	G21.95

PLAN

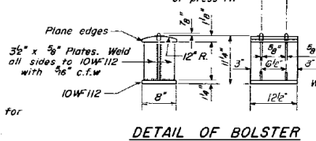
DETAIL OF PINTLE



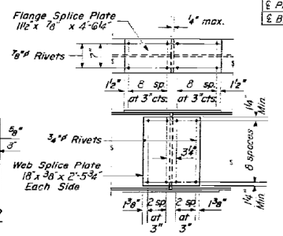
PLAN



DETAIL OF ROCKER AT ABUTMENTS



DETAIL OF BOLSTER AT PIER



DETAIL OF SPLICE

STRUCTURAL STEEL
No. 6 So. BRIDGES
S.B.I. RT. 17 SEC. 1-BR
KANKAKEE COUNTY
STA. 115 + 07.91

DESIGNED	Walter Perry	EXAMINED	JUNE 27 1963
CHECKED	R. Kruel	PASSED	W. S. Bauman
DRAWN	J.L. Armstrong W.A. Sausamen Jr.	APPROVED	E. C. Duff
CHECKED	RK		

I-2 7-2-62 Rev. 11-9-62

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -	
	CHECKED - JA	REVISED -	
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -	
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

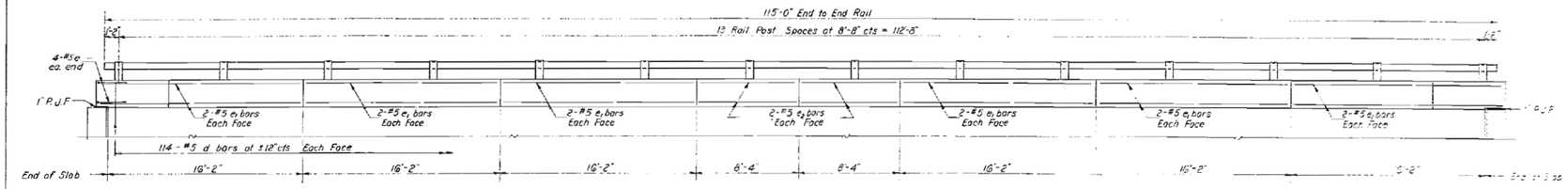
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 3 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	86
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

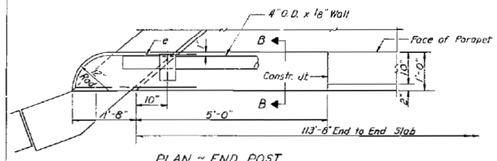
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SBI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 17	IB-R	KANKAKEE	44	18

ID SHEET NO. 4



ELEVATION



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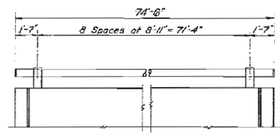
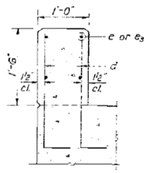
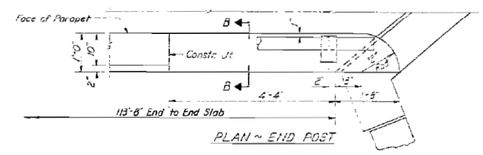


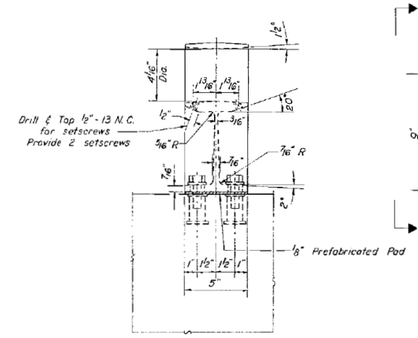
ELEVATION
(on Retaining Wall)



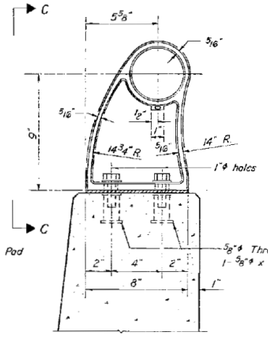
SECTION B-B



PLAN ~ END POST



VIEW C-C

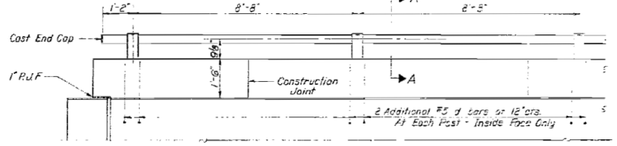


SECTION A-A

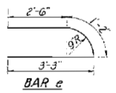
⅝"ϕ Threaded Inserts. Provide 1- Stainless Steel Washer and 1-⅝"ϕ x 2" Stainless Steel Bolt with each Insert
4 - Required each post

RAIL POST DETAILS

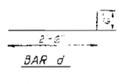
CAST END CAP
DRIVE FIT TYPE
12 - Required
Incidental to item "Aluminum Handrail"



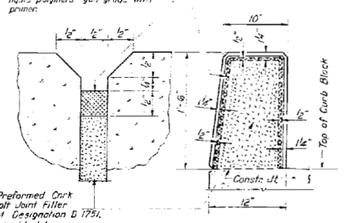
PARTIAL ELEVATION
(on Curb)



BAR e



Two component non-staining gray sealing compound with polysulfide liquid polymers - gun grade with primer.



½" Preformed Cork Asphalt Joint Filler ASTM Designation D 1751. Cost incidental.

DETAIL OF JOINT IN PARAPET

2 BRIDGES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	1026	#5	3'-5"	
e	32	#5	5'-1"	
e1	96	#5	12'-1"	
e2	32	#5	8'-1"	
e3	32	#5	5'-1"	
Aluminum Handrail			Lin. Ft.	228
Class X Concrete			Cu. Yds.	23.8
Reinforcement Bars			Lbs.	5300

ALUMINUM HANDRAIL

HANDRAIL DETAILS
S.B.I. RT. 17 SEC. 1-BR
KANKAKEE COUNTY
STA. 115 + 07.91

DESIGNED	Walter Perry	
CHECKED	R Kowert	
with	J.L. Armstrong	
DRAWN		
CHECKED	DK	

EXAMINED — June 27 1963
PASSED
APPROVED — U.E. Staff

NOTES
All Posts shall be placed normal to parapet
All Posts shall be of Aluminum conforming to ASTM Specification B-108 alloy 56-T06-T6.
All Rail Tubing shall be of Aluminum conforming to ASTM Specification B-235 alloy 6061-T6.
Aluminum handrail shall be measured in lineal feet. The length paid for shall be the overall length along the top longitudinal railing member through all post and gaps.
Rail Tubing may be cut to random lengths.
For material composition of Prefabricated Pad, See Art 54.9 (f), (Bearings and Anchorage), of the Std. Specs.
Set Screws shall be of Aluminum conforming to ASTM Specification B-211 alloy 2024-T4.
Aluminum handrail will be paid for at the contract unit price per lineal foot for ALUMINUM HANDRAIL, measured as specified, which price shall be payment in full for all materials, fabrication, transportation and erection.

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

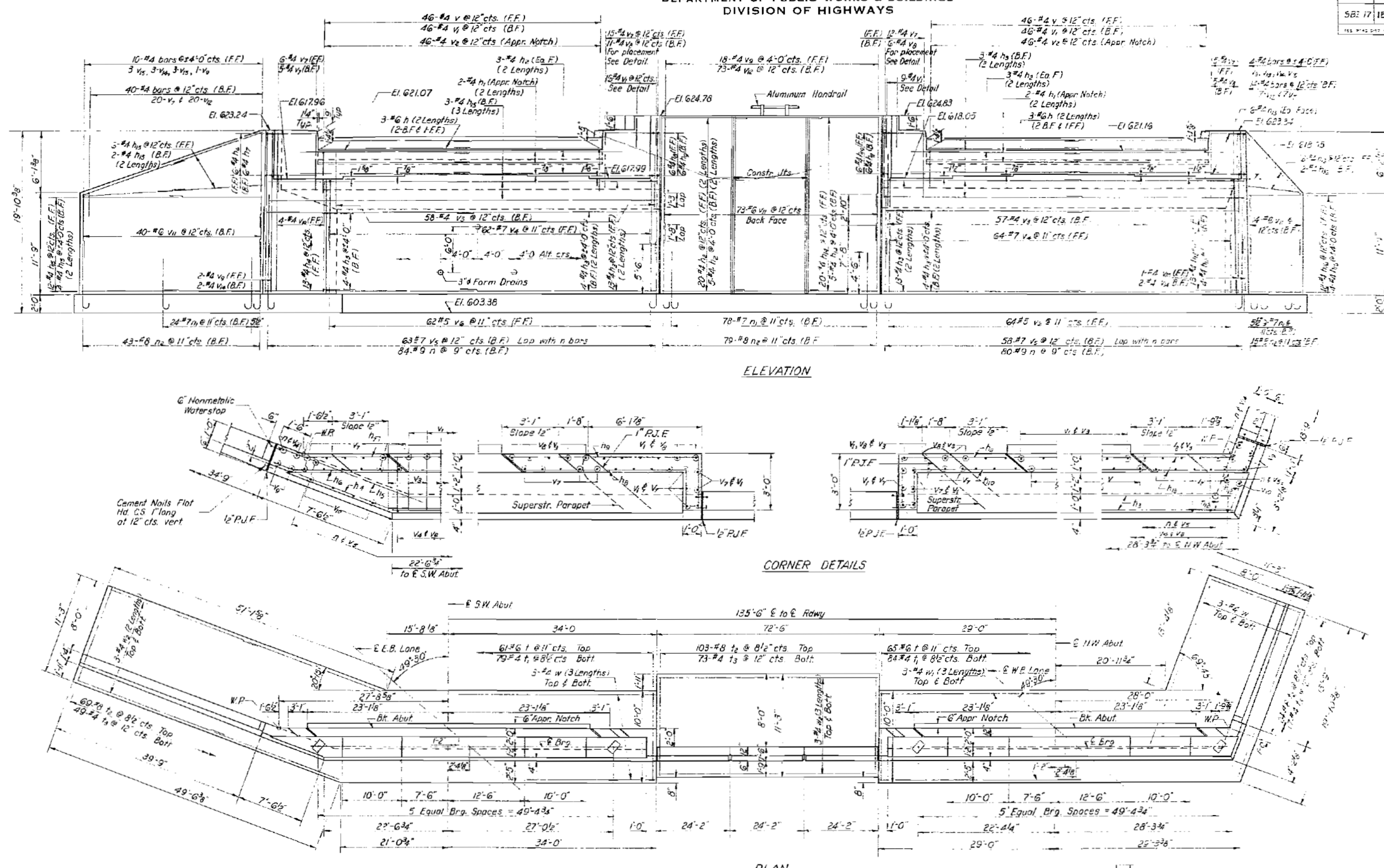
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 4 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1)1	KANKAKEE	114	87
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 17	1B-R	KANKAKEE	44	19

SHEET NO. 5
10 SHEETS



NOTE:
Place waterstop and cement nails at each 1/2" P.J.F. expansion joint.
For Cross Sections of wing walls, abutments and retaining wall, see sheet #7.

BARS $h_4, h_6, h_7, h_{12}, h_{13}$ & v_3

Bar	A	B	θ
h_4	7'-3"	1'-3"	20°
h_6	5'-6"	1'-3"	20°
h_7	4'-6"	1'-3"	20°
h_{12}	3'-6"	1'-0"	70°
h_{13}	4'-8"	1'-0"	70°
v_3	4'-0"	4'-0"	45°

BAR v_2 (1'-3", 9", 1'-6")

BARS n, n_1 & n_2

Bar	C	D
n	7'-3"	1'-3"
n_1	6'-3"	10"
n_2	9'-5"	1'-1"

BARS h_8, h_9, h_{10}, h_{11} & v_4

Bar	E	F
h_8	8'-9"	1'-9"
h_9	10'-6"	2'-9"
h_{10}	5'-9"	1'-9"
h_{11}	5'-6"	2'-9"
v_4	9'-1"	2'-11"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	2	#6	23'-0"	[illegible]
h_1	6	#4	23'-3"	[illegible]
h_2	74	#4	23'-0"	[illegible]
h_3	72	#4	23'-3"	[illegible]
h_4	3	#4	8'-2"	[illegible]
h_5	4	#4	5'-6"	[illegible]
h_6	3	#4	6'-9"	[illegible]
h_7	3	#4	5'-9"	[illegible]
h_8	3	#4	10'-6"	[illegible]
h_9	3	#4	13'-3"	[illegible]
h_{10}	3	#4	7'-6"	[illegible]
h_{11}	6	#4	8'-3"	[illegible]
h_{12}	77	#4	4'-3"	[illegible]
h_{13}	12	#4	5'-8"	[illegible]
h_{14}	35	#4	23'-0"	[illegible]
h_{15}	37	#4	[illegible]	[illegible]
h_{16}	24	#4	15'-3"	[illegible]
n	164	#9	8'-6"	[illegible]
n_1	[illegible]	#7	7'-4"	[illegible]
n_2	122	#8	10'-8"	[illegible]
t	123	#6	9'-9"	[illegible]
t_1	163	#4	9'-9"	[illegible]
t_2	172	#8	11'-0"	[illegible]
t_3	122	#4	11'-0"	[illegible]
v	92	#4	5'-0"	[illegible]
v_1	97	#4	2'-0"	[illegible]
v_2	92	#4	3'-8"	[illegible]
v_3	115	#4	5'-0"	[illegible]
v_4	126	#7	12'-0"	[illegible]
v_5	121	#7	7'-0"	[illegible]
v_6	126	#5	5'-3"	[illegible]
v_7	70	#4	5'-6"	[illegible]
v_8	22	#4	3'-6"	[illegible]
v_9	24	#4	17'-6"	[illegible]
v_{10}	5	#4	12'-4"	[illegible]
v_{11}	127	#6	4'-6"	[illegible]
v_{12}	100	#4	12'-0"	[illegible]
v_{13}	4	#4	15'-8"	[illegible]
v_{14}	8	#4	13'-6"	[illegible]
v_{15}	4	#4	11'-9"	[illegible]
w	24	#4	9'-0"	[illegible]
w_1	16	#4	20'-0"	[illegible]
w_2	30	#4	24'-9"	[illegible]

Class X Concrete — Cu. Yds. 410.7
Reinforcement Bars — Lbs. 34,810

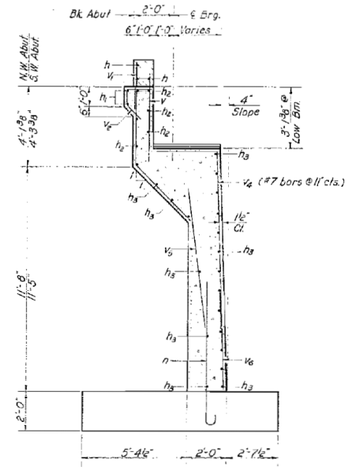
AS PLANNED
WEST ABUTS. & RETAINING WALL
S.B.I. RT. 17 SEC. 1-BR
KANKAKEE COUNTY
STA. 115 + 07.91

DESIGNED Walter Perry — CHECKED R Kowert — DRAWN W.P. J.L. Armstrong — CHECKED RK
JUNE 27 1963
EXAMINED W.E. Baumann — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED E.L. Hewert — ENGINEER OF DESIGN
APPROVED U.E. Olaff — CHIEF HIGHWAY ENGINEER

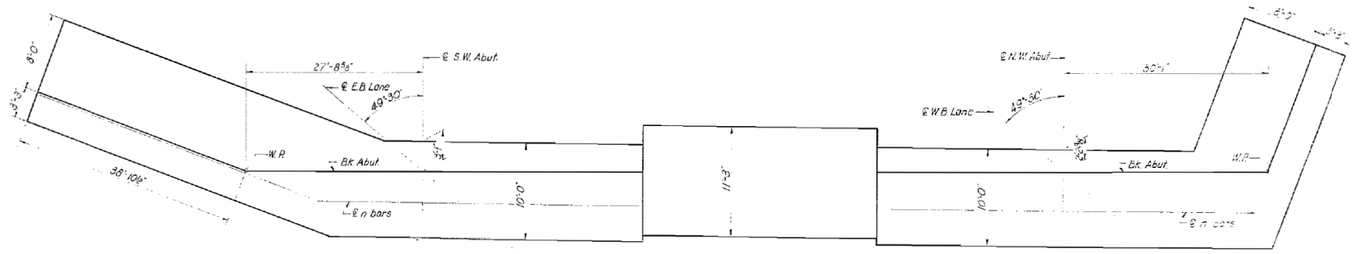
Rev. 9-1-64 Added "As Planned" to title. W.L.P.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

					SHEET NO. 5 OF
					SHEETS



SECTION THRU N.W. & S.W. ABUTMENTS
ADAPTED TO FOOTING AS BUILT



FOOTING PLAN AS BUILT

DESIGNED	W. L. P.
CHECKED	
DRAWN	J. L. Armstrong
CHECKED	

19
EXAMINED
ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

WEST ABUT. FOOTINGS AS BUILT
S.B.I. RT. 17 SEC. 1-BR
KANKAKEE COUNTY
STA. 115 + 07.91

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

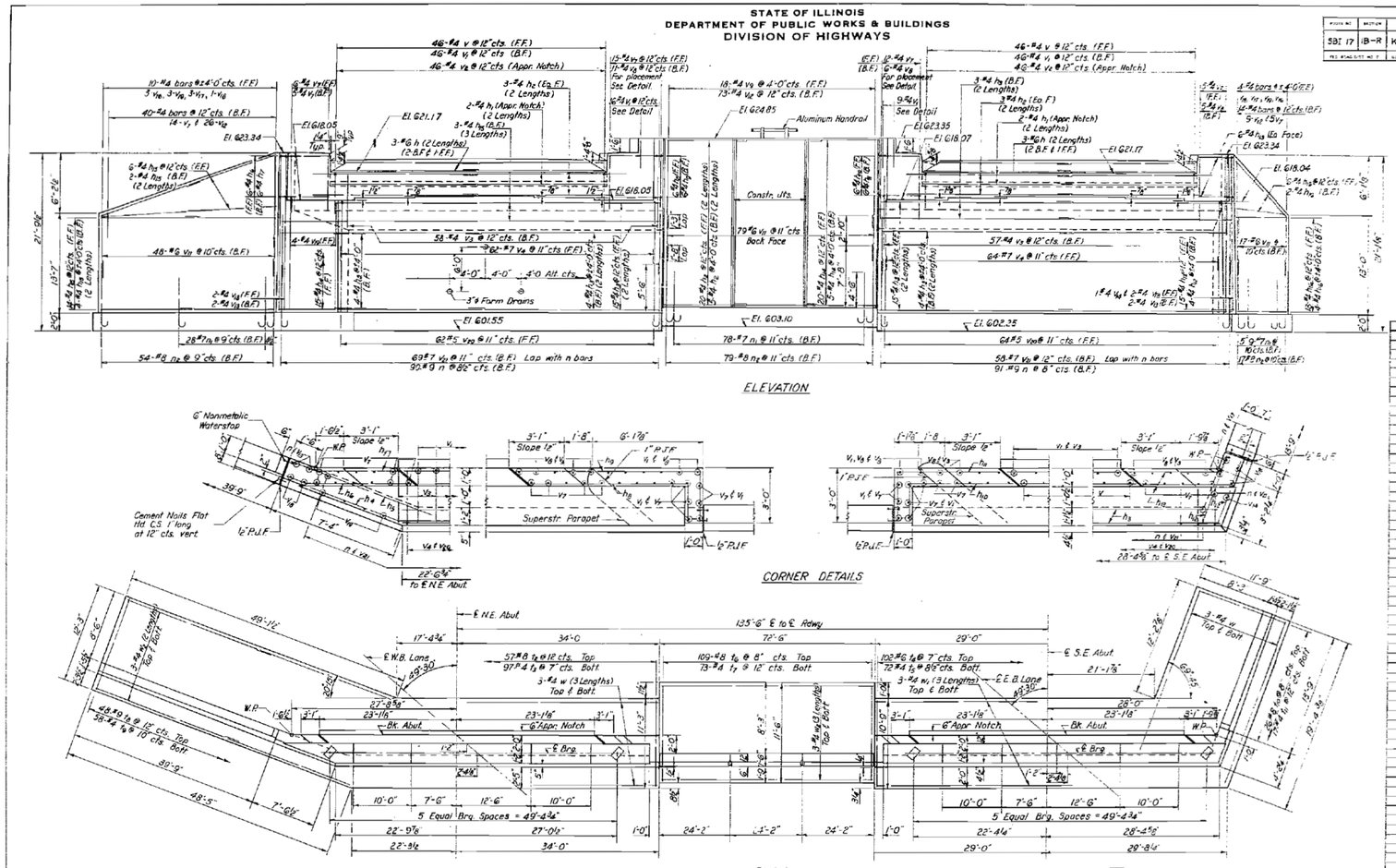
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 6 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1,1	KANKAKEE	114	89
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
581 17	B-R	KANKAKEE	44	20
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

SHEET NO. 6
IC SHEETS



BARS h_4, h_6, h_7, h_8, h_9 & V_8

Bar	A	B	θ
h_4	7'-3"	1'-3"	20°
h_5	5'-6"	1'-3"	20°
h_7	4'-6"	1'-3"	20°
h_{12}	3'-6"	1'-0"	70°
h_8	4'-8"	1'-0"	70°
V_8	4'-0"	4'-0"	45°

BAR V_2

BARS n_1 & n_2

Bar	C	D
n_1	7'-3"	1'-3"
n_1	6'-9"	10"
n_2	9'-5"	1'-1"

BARS $h_8, h_{12}, h_{10}, h_{11}$ & V_8

Bar	E	F
h_8	8'-0"	1'-9"
h_{12}	10'-6"	2'-9"
h_{10}	5'-9"	1'-9"
h_{11}	5'-6"	2'-9"
V_8	9'-1"	2'-11"

NOTE:
Place waterstop and cement mortar at each 12" P.J.F. expansion joint.

For Cross Sections of wing walls, abutments and retaining walls, see Sheet # 7.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_3	2	#8	23'-5"	
h_4	6	#4	23'-5"	
h_5	72	#4	6'-3"	
h_6	20	#4	23'-3"	
h_7	15	#4	8'-6"	
h_8	4	#4	8'-8"	
h_9	6	#4	6'-9"	
h_{10}	5	#4	5'-9"	
h_{11}	5	#4	10'-6"	
h_{12}	5	#4	13'-3"	
h_{13}	5	#4	7'-6"	
h_{14}	5	#4	6'-9"	
n_1	19	#4	4'-6"	
n_{1a}	10	#4	3'-6"	
n_2	23	#4	24'-0"	
n_{2a}	21	#4	21'-0"	
n_{2b}	25	#4	19'-6"	
n	181	#9	6'-8"	
n_1	115	#7	7'-1"	
n_2	5	#8	10'-5"	
n_3	5"	#8	1'-0"	
n_3	67	#4	11'-0"	
n_4	102	#3	10'-8"	
n_5	76	#4	12'-5"	
n_6	102	#3	1'-3"	
n_7	73	#4	11'-3"	
n_8	23	#9	13'-3"	
n_9	28	#4	12'-3"	
n_{10}	28	#9	11'-6"	
n_{11}	17	#4	11'-6"	
V	92	#4	5'-7"	
V_1	117	#4	2'-5"	
V_2	96	#4	3'-9"	
V_3	128	#4	5'-2"	
V_4	128	#7	2'-1"	
V_5	62	#4	6'-6"	
V_6	32	#8	3'-6"	
V_7	12	#4	17'-6"	
V_8	142	#5	6'-3"	
V_{13}	93	#4	19'-1"	
V_{13}	2	#5	15'-6"	
V_{14}	1	#4	3'-3"	
V_{15}	2	#4	12'-1"	
V_{17}	2	#4	13'-9"	
V_{18}	6	#4	18'-9"	
V_{19}	6	#4	12'-3"	
V_{20}	123	#5	5'-1"	
V_{21}	127	#7	5'-9"	
W	24	#4	12'-0"	
W_1	18	#5	20'-0"	
W_2	30	#4	24'-9"	
Class X Concrete		Cu Yds	420.5	
Reinforcement Bars		Lbs	38,140	

EAST ABUTS & RETAINING WALL
S.B.I. RT 17 SEC. 1-BR
KANKAKEE COUNTY
STA. 115 + 07.91

DESIGNED	Walter Piercy
CHECKED	R Howard
DRAWN	W.P. J.L. Armstrong
CHECKED	RK

JUNE 27 1963

EXAMINED W.G. Bean
PASSED
APPROVED U.E. Duff

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USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

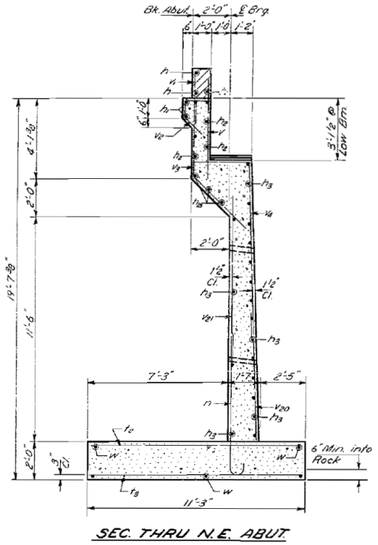
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 7 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	90
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

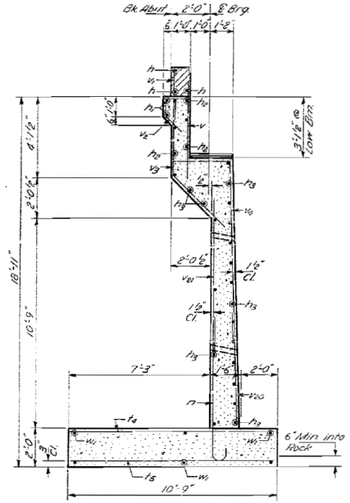
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331.7	13-R	KANKAKEE	44	21

SHEET NO. 11 OF SHEETS



SEC. THRU N.E. ABUT.



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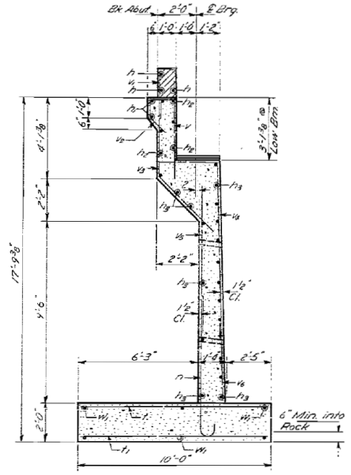
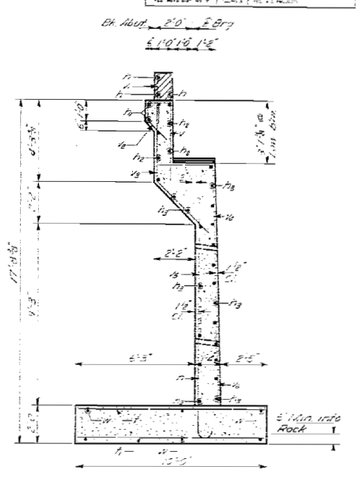


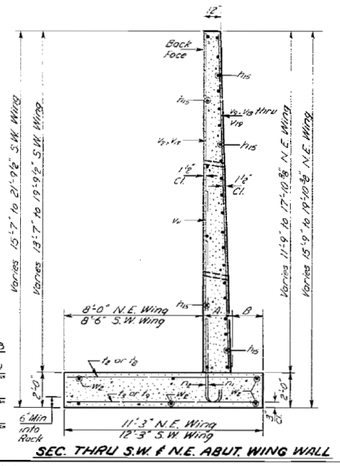
SEC. THRU N.W. ABUT.
AS PLANNED
See Sheet #5a of 10



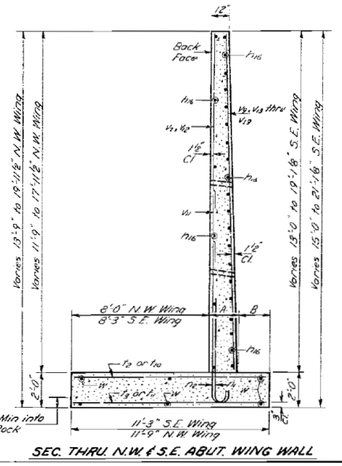
SEC. THRU S.W. ABUT.
AS PLANNED
See Sheet #5a of 10

ABUT. WING WALL DIMENSIONS

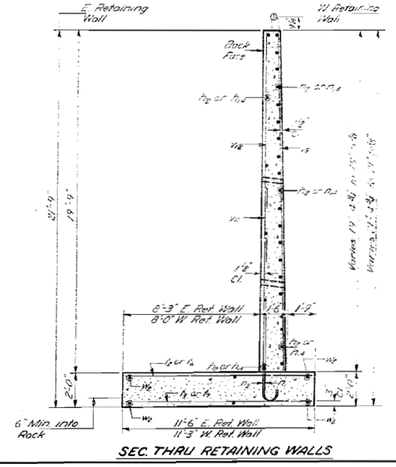
Location	A	B
N.E. Wing Wall	Var. 1'-8 to 1'-5½"	Var. 2'-1 to 2'-3½"
S.E. Wing Wall	Var. 1'-7 to 1'-6½"	Var. 1'-11 to 2'-1½"
N.W. Wing Wall	Var. 1'-6" to 1'-4"	Var. 1'-9 to 1'-11
S.W. Wing Wall	Var. 1'-6" to 1'-3⅜"	Var. 1'-9" to 1'-11⅜"



SEC. THRU S.W. & N.E. ABUT. WING WALL



SEC. THRU N.W. & S.E. ABUT. WING WALL



SEC. THRU RETAINING WALLS

DESIGNED	Walter Perry
CHECKED	R Barnard
DRAWN	W.P. L. Wanless
CHECKED	RK

JUNE 27 1963
EXAMINED W. E. Baumann, ENGINEER OF BRIDGES AND TRAFFIC ENGINEERING
PASSED [illegible], CHIEF OF BUREAU
APPROVED J. E. Skaff, DIRECTOR OF HIGHWAYS

ABUTMENT DETAILS
S.B.I. RT. 17-SEC. 18-R
KANKAKEE COUNTY
STA. 115+07.91

Rev. 9-1-64 Added "As Planned" to Sec. Thru N.W Abut. & Sec. Thru S.W Abut. W.L.P.

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BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
150 N. Wacker Drive, Suite 1650 • Chicago, IL 60606
Phone: (312) 876-9500 Fax: (312) 876-9600

USER NAME = jandrews	DESIGNED - RJO	REVISED -
	CHECKED - JA	REVISED -
PLOT SCALE = 25.0000 ' / in.	DRAWN - JA	REVISED -
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

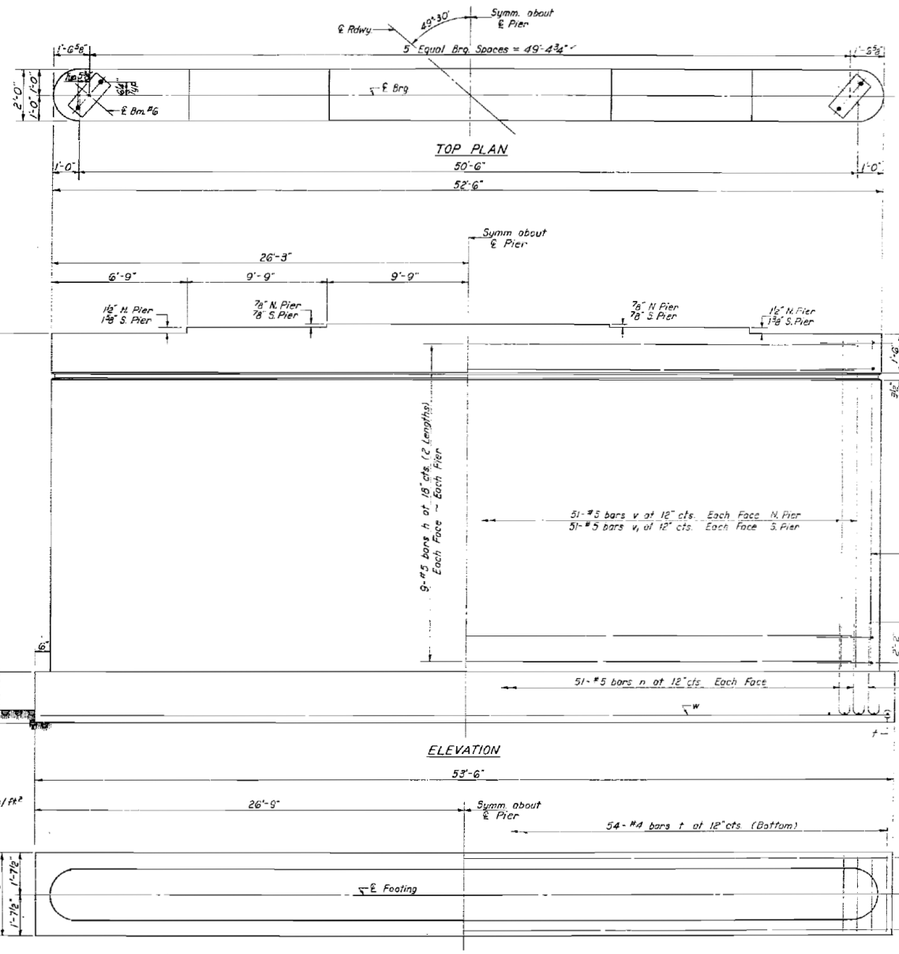
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 8 OF 9 SHEETS

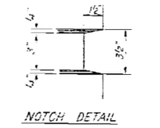
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J	KANKAKEE	114	91
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

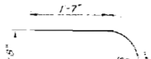
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 17	18-R	KANKAKEE	44	22
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 2 OF 22 SHEETS





BAR h1



BAR n

NOTCH DETAIL

NOTE: All bases shall have stainless steel expansion anchor bushings.

2 PIERS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	72	#5	14'-6"	
h1	36	#5	2'-8"	
n	216	#5	4'-3"	
t	108	#4	3'-0"	
v	102	#5	11'-2"	
v1	102	#5	12'-8"	
w	12	#4	27'-0"	
Class A Concrete		Cu Yds.	1357	
Reinforcement Bars		Lbs.	9290	

DESIGNED	W. H. Perry	EXAMINED	JUNE 27 1963
CHECKED	R. Kruse	PASSED	
DRAWN	W.P. J.L. Armstrong	APPROVED	
CHECKED	R.K.		

PIERS
S.B.I. RT. 17 SEC. 18-R
KANKAKEE COUNTY
STA. 115+07.91

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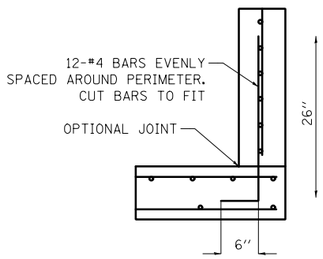
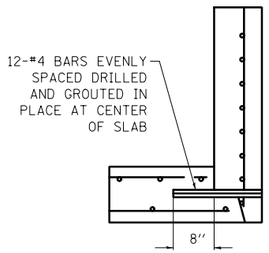
PLOT DATE = 10/30/2018	CHECKED - 10/30/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

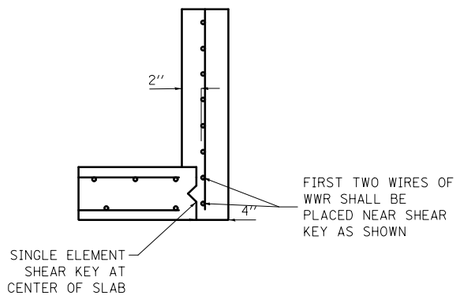
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 9 OF 9 SHEETS

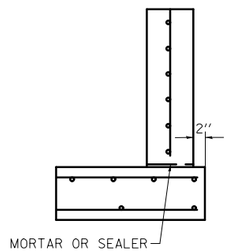
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	92
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		





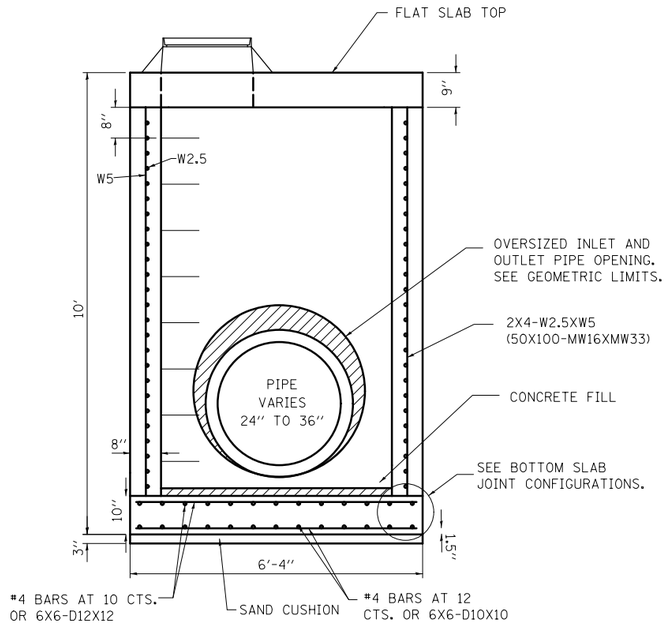
CAST IN PLACE



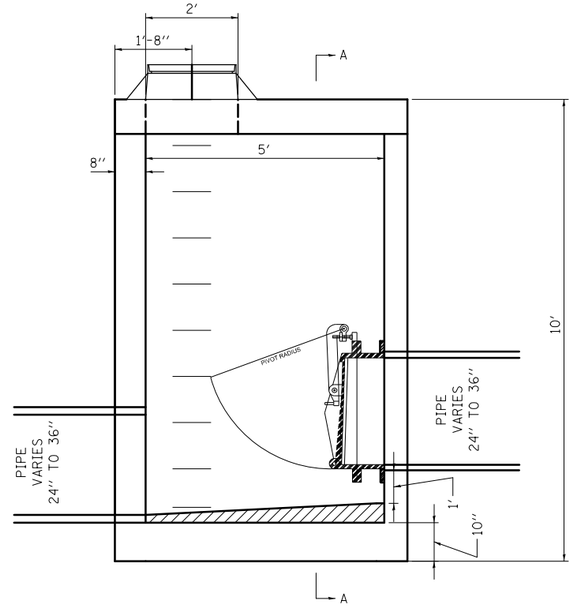


PRECAST

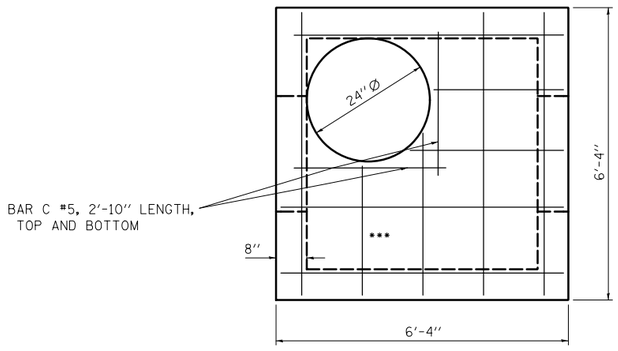
BOTTOM SLAB JOINT CONFIGURATIONS



SECTION A–A

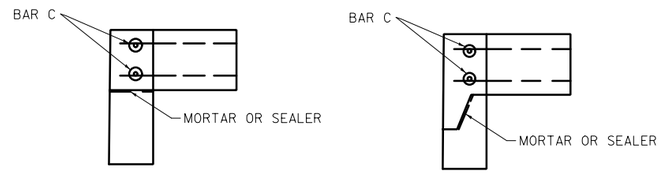


SECTION THRU FLAP GATE STRUCTURE



TOP VIEW WELDED WIRE REINFORCEMENT

*** #5 BARS AT 12'' CTS. 73'' LONG TOP AND BOTTOM. (CUT TO FIT) BUNDLE FIRST BAR WITH CLOSET WWR BAR TO THE OPENING.



TOP SLAB JOINT CONFIGURATIONS

GEOMETRIC LIMITS

OVERSIZED HOLES, AS NECESSARY FOR CONSTRUCTABILITY, SHALL SATISFY THE FOLLOWING REQUIREMENTS:

1. A MINIMUM OF 9'' OF MONOLITHIC REINFORCED CONCRETE SHALL BE MAINTAINED ABOVE THE FABRICATED PIPE HOLE.
2. THE RECOMMENDED OVERSIZED HOLE IS EQUAL TO THE O.D. OF THE PIPE PLUS 4''.

FLAP GATE PROTECTION BOX, TYPE 1 FRAME AND OPEN LID

NOTES:
1. FLAP GATES CAST IRON - BACK SEAT TO BE FLAT FOR ATTACHING TO A CONCRETE WALL.
3. THE SEAT SHALL BE A ONE PIECE CASTING AT AN ANGLE OFF VERTICAL TO ALLOW FOR SEATING BY GRAVITY .
4. CORROSION RESISTANT SEATING FACES MACHINED FLAT TO ALLOW FOR PROPER SEAL.
5. FLAP GATE WITH DOUBLE-HINGED ACTION AND PERMANENTLY LUBRICATED BUSHINGS AT EACH PIVOT POINT.

MODEL NAME = Default
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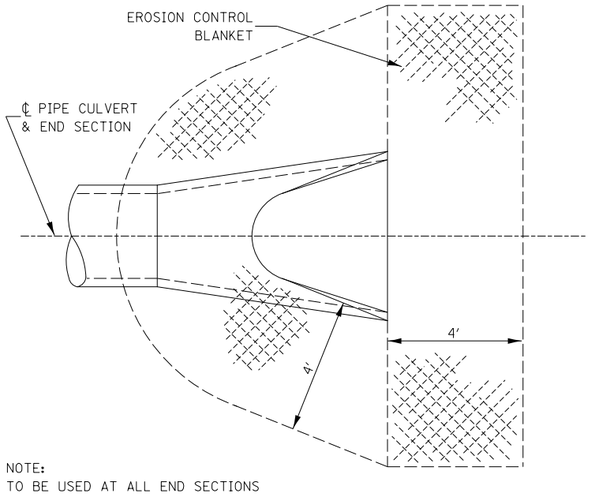
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - LA	REVISED -
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

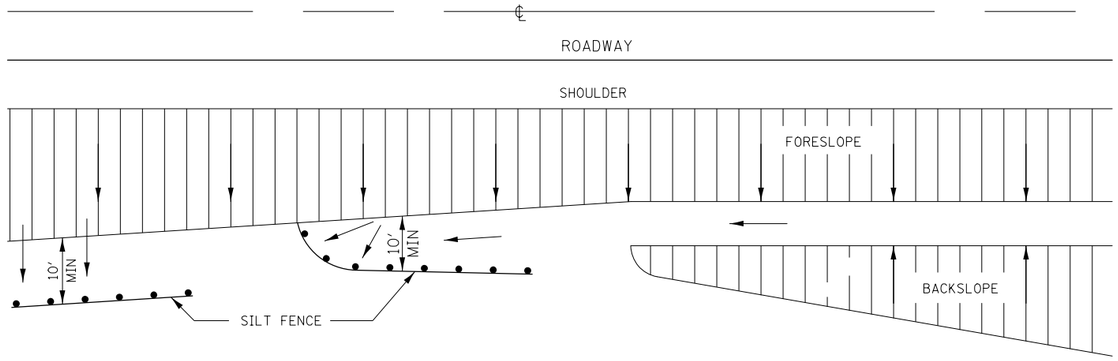
SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

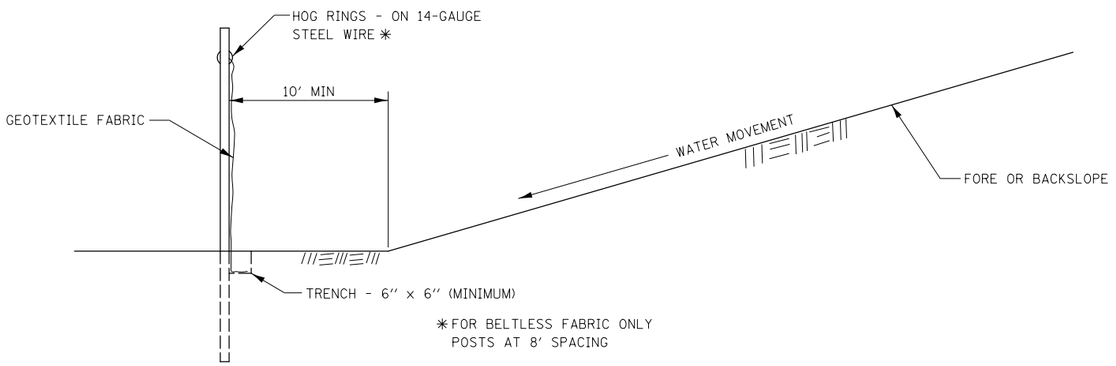
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	93
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



NOTE:
TO BE USED AT ALL END SECTIONS

DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION





DETAILS OF SILT FENCE

EROSION CONTROL DETAILS FOR SILT FENCE

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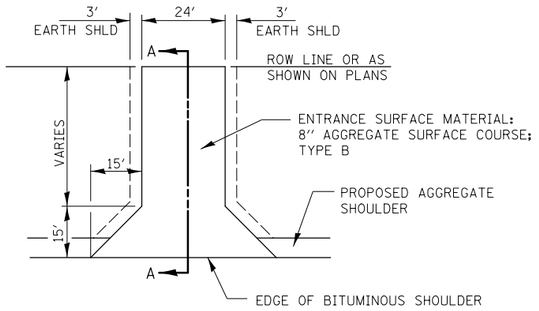
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

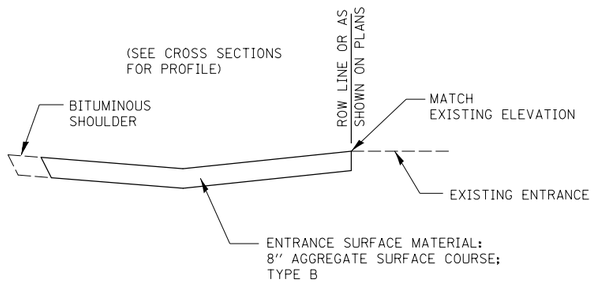
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N/A | SHEET 1 OF 4 SHEETS | STA. | TO STA.

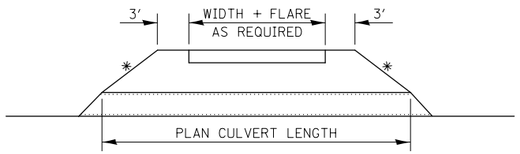
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	94
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		



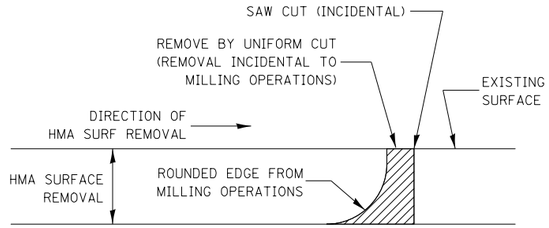


SECTION A–A

✱ USE 1:6 FORESLOPE



FIELD ENTRANCE DETAIL



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

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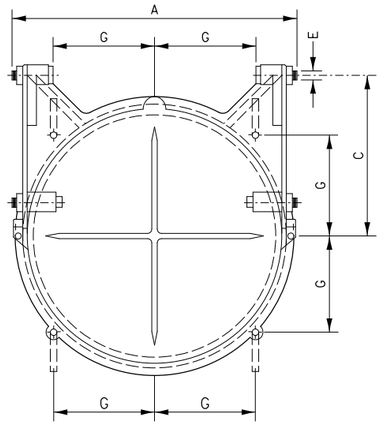
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N/A | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	95
		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		



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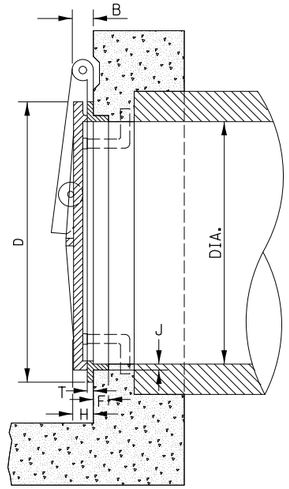
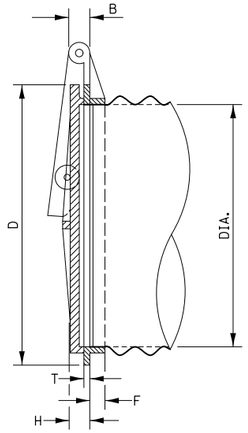


SECTION



SECTION SHOWING METHOD OF APPLICATION TO CORRUGATED METAL PIPE

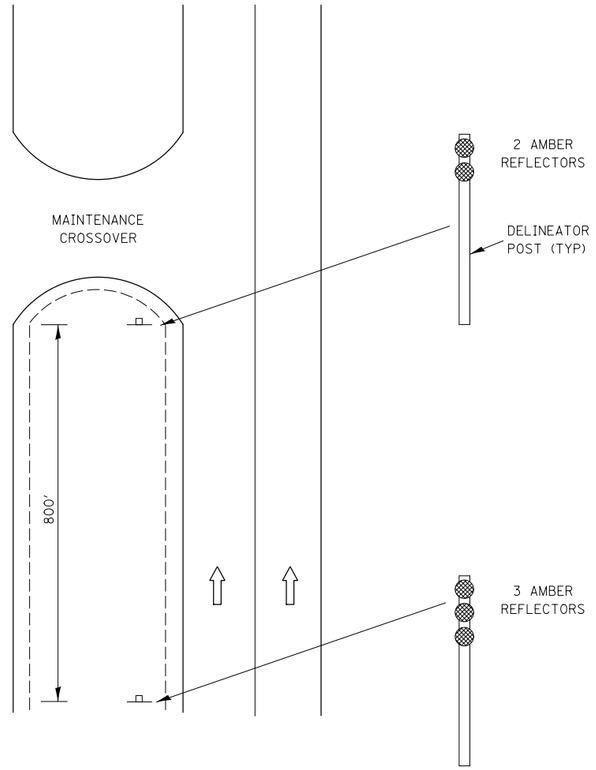
IT IS INTENTED THAT THE AUTOMATIC FLAP GATES SHALL BE A COMMERCIAL PRODUCT PRODUCED BY A RELIABLE MANUFACTURER. THE GATE MAY BE MADE OF CAST IRON, CAST STEEL OR OTHER SUITABLE MATERIALS AND HAVE A BEVELED SEATING FACE. THE DESIGN MAY DIFFER FROM THE DRAWING IF IT WILL WORK IN A SATISFACTORY, TROUBLE FREE MANNER AND WILL WITHSTAND THE WATER PRESSURE AT THE INSTALLATION LOCATION. THE GATE SHALL BE APPROVED BY THE ENGINEER.

THE SIZE OF AUTOMATIC FLAP GATES SHALL REFER TO THE DIAMETER OF THE OUTLET PIPE OR OPENING.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR FLAP GATES OF THE SIZE SPECIFIED AND SHALL INCLUDE ALL MATERIALS AND COMPLETE INSTALLATION.

TABLE OF DIMENSIONS

DIAM	A	B	C	D	E	F	G	H	J	T
8″	10 3/4″	1 3/8″	5 11/16 ″	10″	1/2″	1 1/8″	3 9/16″	1 1/4″	3/8″	3/8″
10″	12 3/4″	1 3/8″	7 1/8″	12 1/4″	1/2″	1 1/8″	4 3/8″	1 1/2″	1/2″	7/16″
12″	14 3/4″	1 3/8″	8 1/2″	14 1/2″	1/2″	1 1/8″	5 1/8″	1 1/2″	1/2″	1/2″
14″	17 1/4″	1 3/8″	9 7/8″	16 3/4″	1/2″	1 1/4″	5 15/16 ″	1 1/2″	1/2″	9/16″
15″	17 3/4″	1 3/8″	10 5/8″	17 3/4″	1/2″	1 1/4″	6 1/4″	1 1/2″	1/2″	9/16″
16″	19 1/4″	1 3/8″	11 1/4″	18 3/4″	1/2″	1 1/4″	6 5/8″	1 1/2″	1/2″	9/16″
18″	22 1/4″	2″	12 5/8″	21″	3/4″	1 9/16″	7 7/16″	1 3/4″	9/16″	9/16″
20″	24 3/4″	2″	14 1/8″	23 3/4″	3/4″	1 3/8″	8 1/4″	1 3/4″	5/8″	5/8″
21″	25 1/4″	2″	14 7/8″	24 1/4″	3/4″	1 3/8″	8 9/16″	1 3/4″	5/8″	5/8″
24″	28 1/4″	2″	17″	27 1/2″	3/4″	1 1/2″	9 3/4″	1 3/4″	5/8″	5/8″
30″	35 1/4″	2 1/2″	20 1/2″	34″	1″	1 9/16″	12″	2″	1 1/16″	5/8″
36″	41 1/2″	2 1/2″	25″	40 7/8″	1″	2 1/16″	14 7/16″	2 1/4″	1 1/8″	11/16″
42″	47 1/2″	2 1/2″	29 3/4″	47″	1″	2 5/16″	16 5/8″	2 1/4″	1 1/8″	3/4″
48″	53 1/2″	2 1/2″	34″	54″	1″	2 3/4″	19 1/16″	2 1/4″	1 3/8″	3/4″
54″	60 3/4″	2 1/2″	38″	62 1/4″	1 1/4″	2 3/4″	22″	3″	1 1/2″	7/8″
60″	67″	2 1/2″	42″	68 1/2″	1 1/4″	2 3/4″	24 1/4″	3″	1 1/2″	15/16″
66″	73 3/8″	2 1/2″	47″	75″	1 1/4″	2 7/8″	26 1/2″	3″	1 1/2″	1″
72″	79″	2 1/2″	51″	82″	1 1/4″	3″	29″	3″	1 1/2″	1″
78″	86″	2 1/2″	55 1/4″	88 3/4″	1 1/4″	3 1/2″	31 3/8″	3″	1 5/8″	1 1/8″
84″	92 1/2″	3 1/2″	59 1/2″	95 1/2″	1 1/2″	3 1/2″	33 3/4″	3″	1 3/4″	1 1/4″



DELINEATION FOR MAINTENANCE CROSSOVER (TYPICAL FOR BOTH DIRECTIONS)

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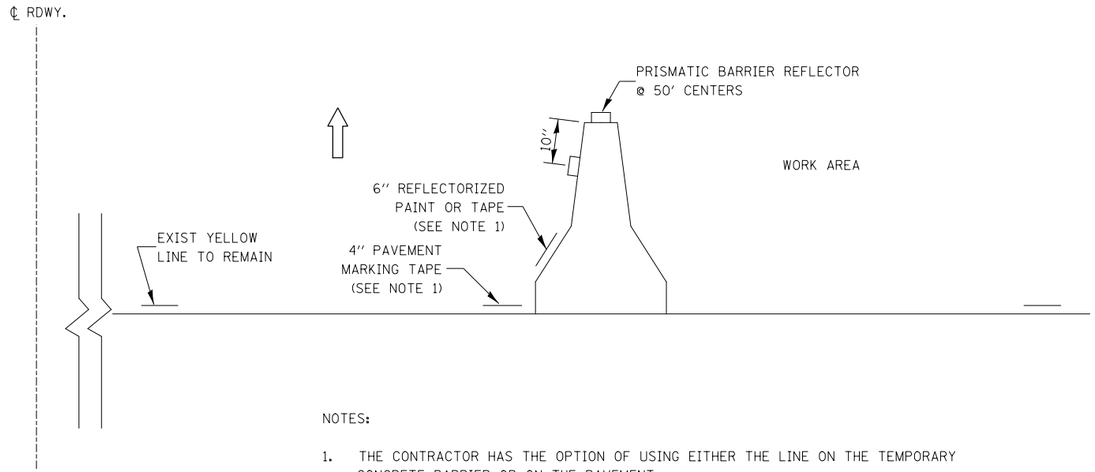
PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N/A | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]1	KANKAKEE	114	96
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



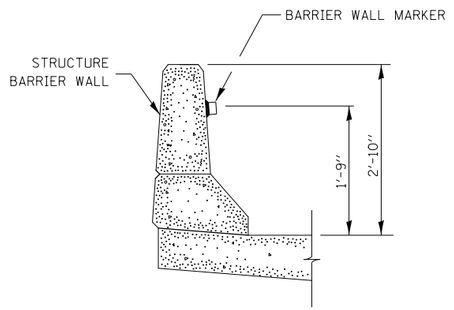
NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.

2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.

3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

TRAFFIC CONTROL DETAIL
FOR TEMPORARY CONCRETE BARRIER



BARRIER WALL MARKER

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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N/A | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1J1	KANKAKEE	114	97
		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
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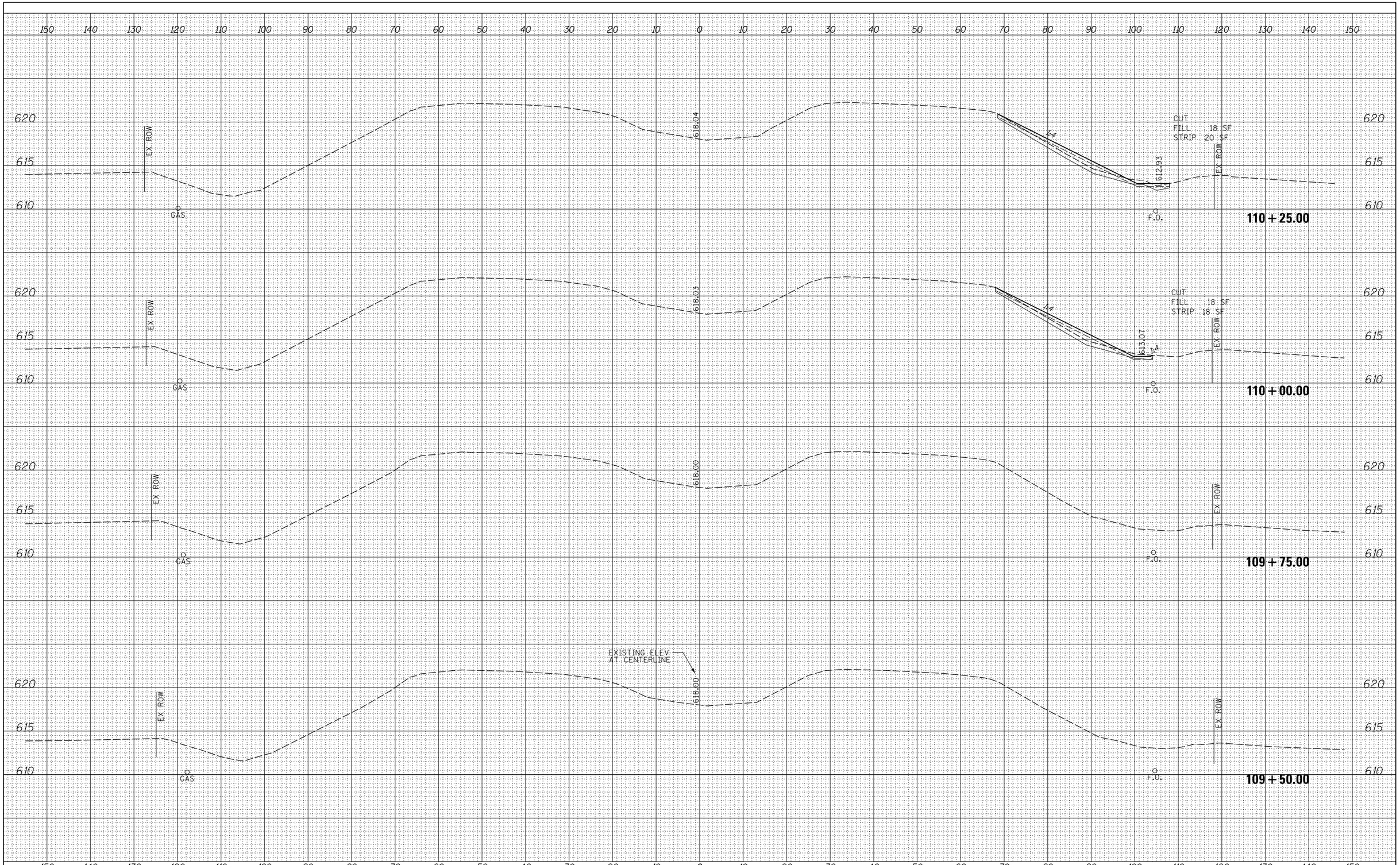
BY	DATE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 17 CROSS SECTIONS

SCALE: | SHEET 1 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	98
FINAL		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.

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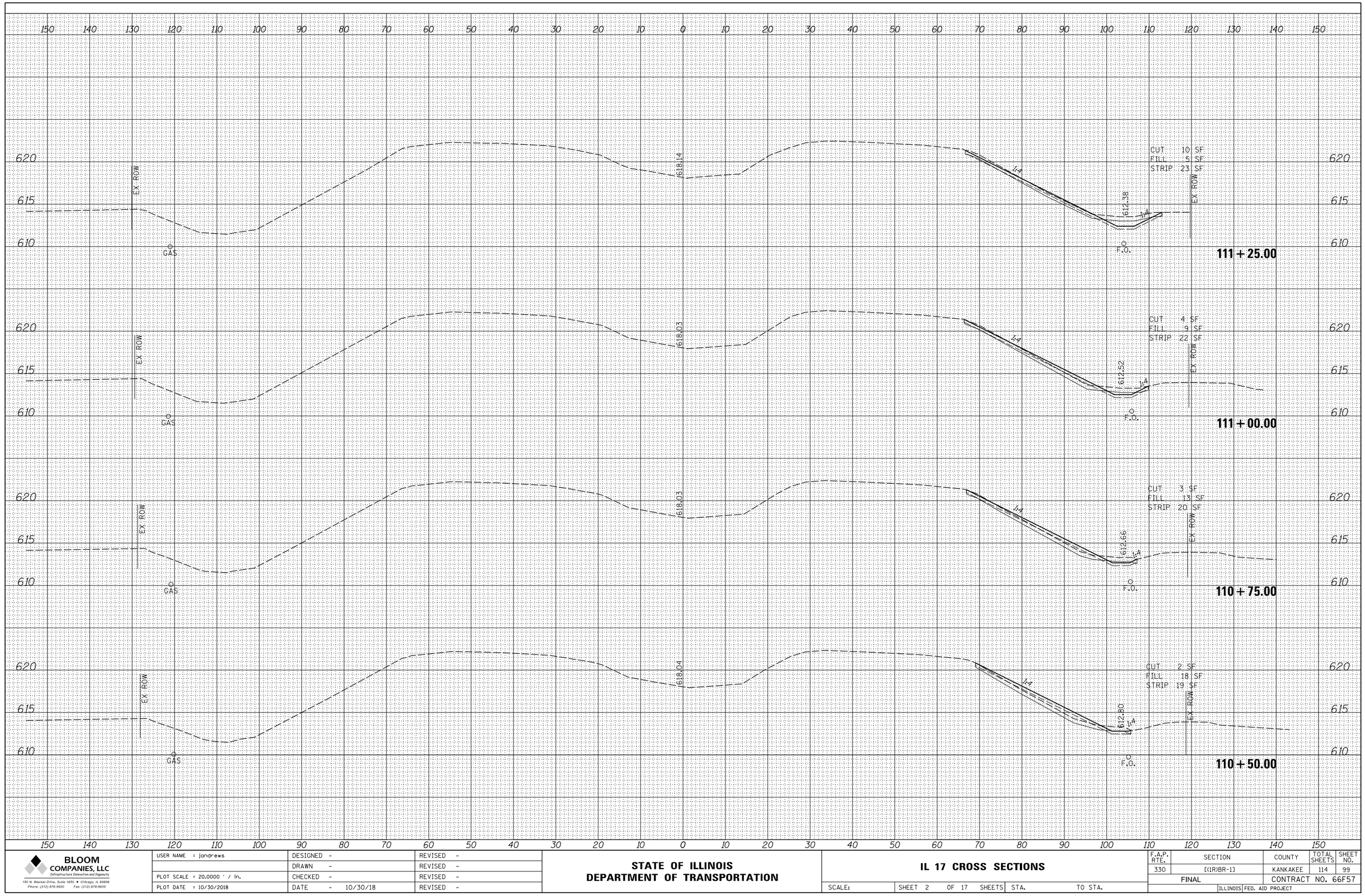

ORIGINAL SURVEY	NOTE BOOK	NO.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 17 CROSS SECTIONS

SCALE: | SHEET 2 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FINAL		CONTRACT NO. 66F57		
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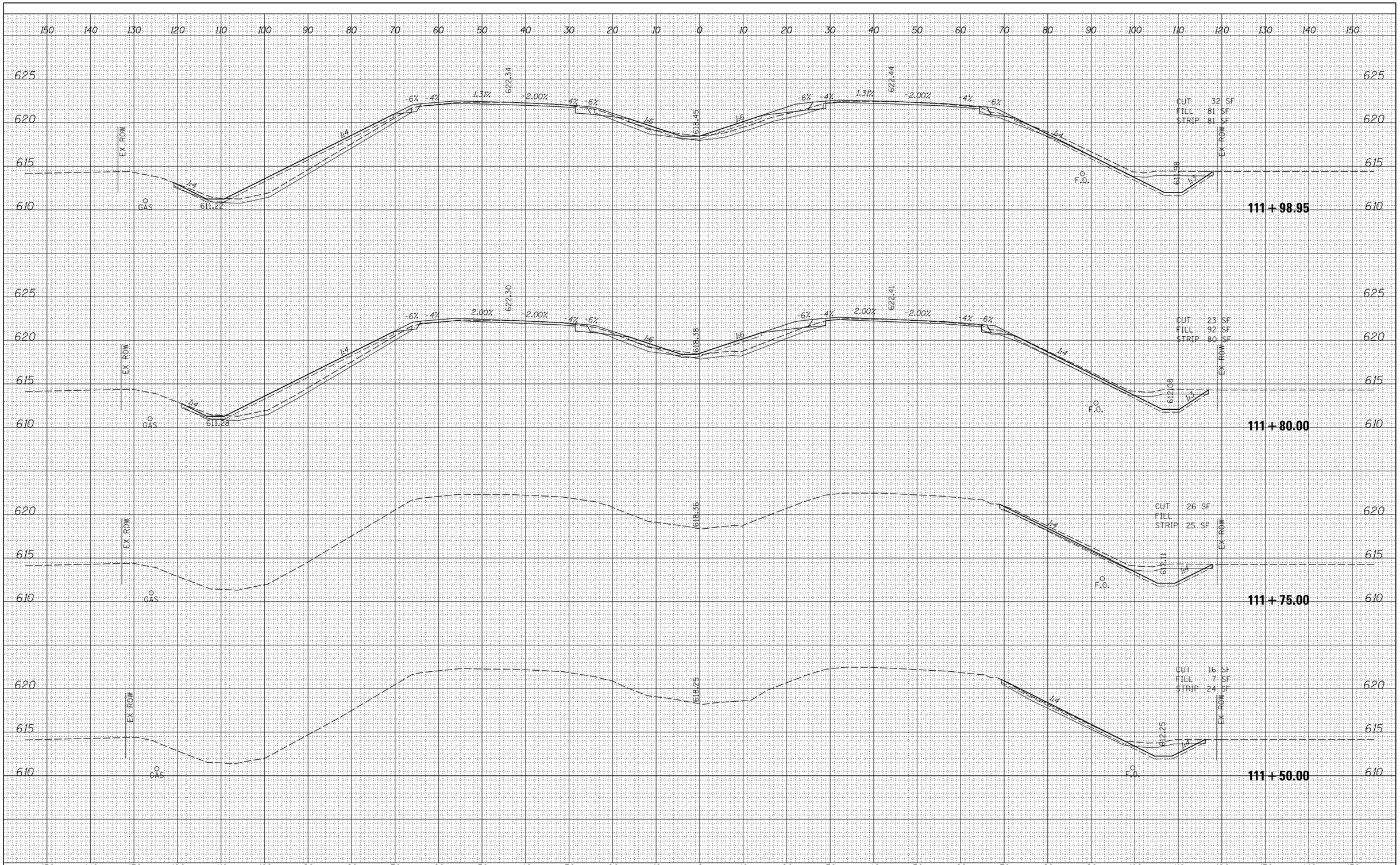

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
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TEMPLATE
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STATE OF ILLINOIS
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IL 17 CROSS SECTIONS

SCALE: | SHEET 3 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	100
FINAL		CONTRACT NO. 66F57		
	ILLINOIS	FED. AID PROJECT		

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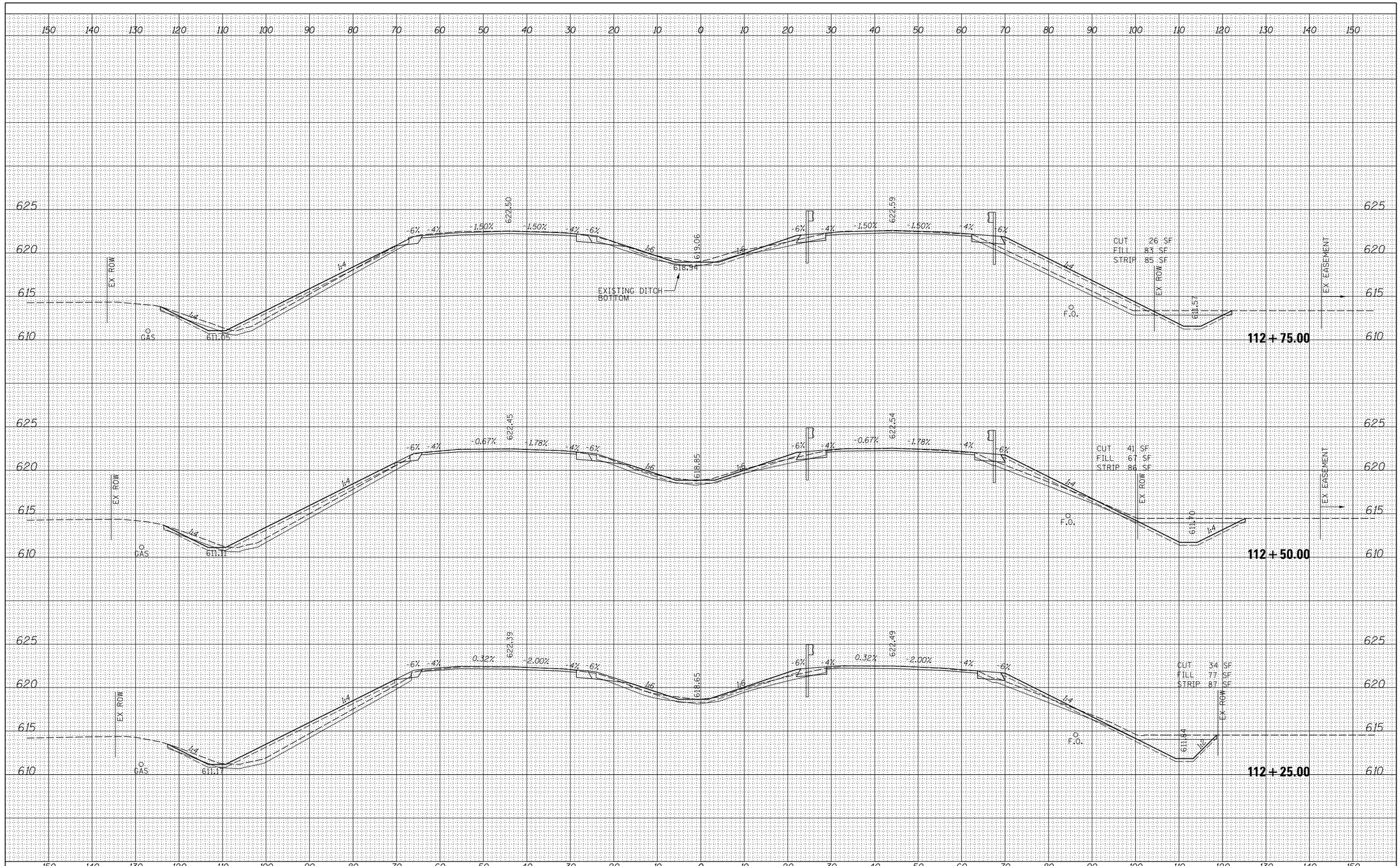

ORIGINAL SURVEY		BY	DATE
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NOTE BOOK	TEMPLATE		
	AREAS		
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STATE OF ILLINOIS
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IL 17 CROSS SECTIONS

SCALE: | SHEET 4 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FINAL		CONTRACT NO. 66F57		
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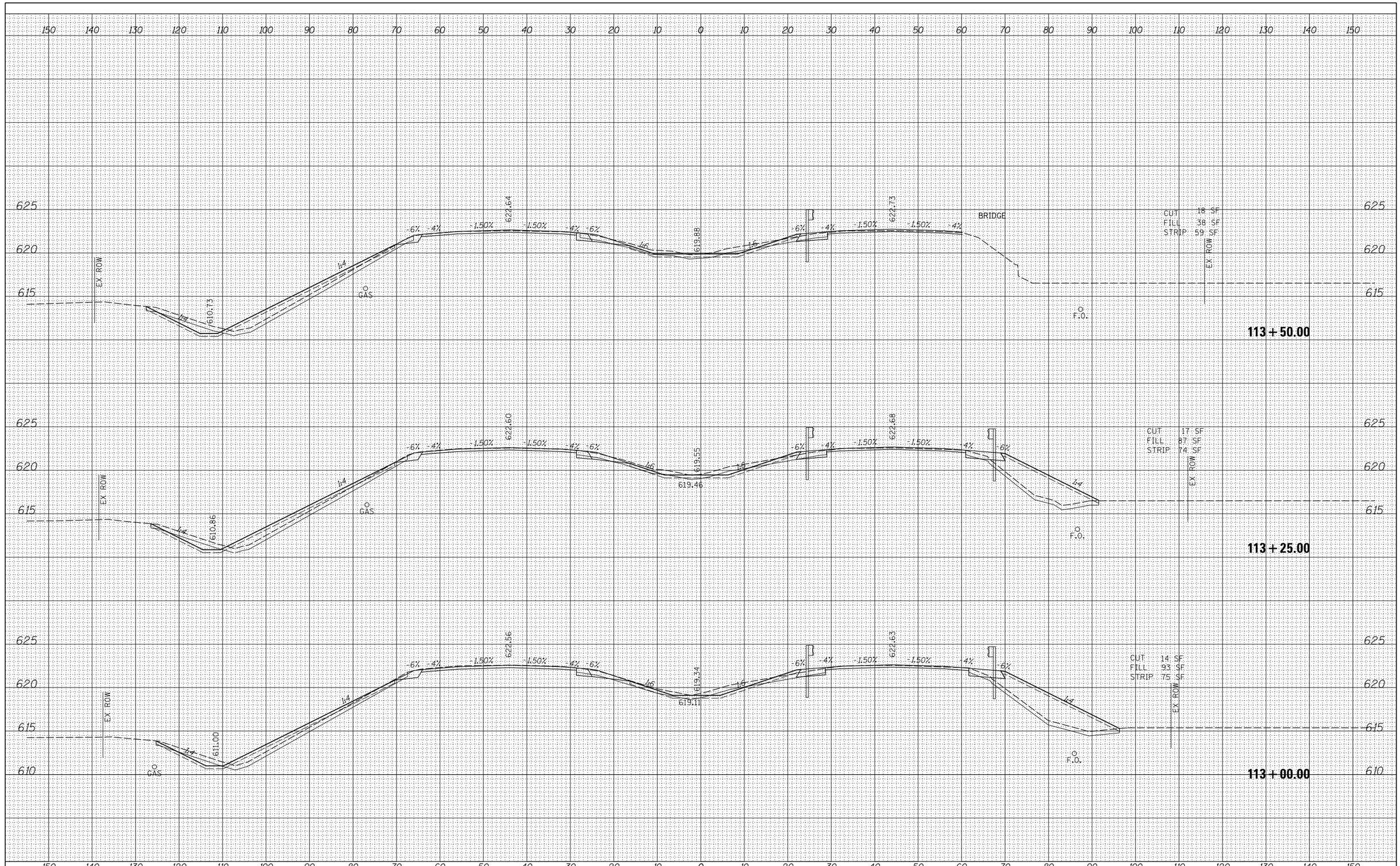

FINAL SURVEY

NO.	NOTE BOOK	BY	DATE

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PLOTTED
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AREAS
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ORIGINAL SURVEY

NO.	NOTE BOOK	BY	DATE

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IL 17 CROSS SECTIONS

SCALE: | SHEET 5 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	102
FINAL		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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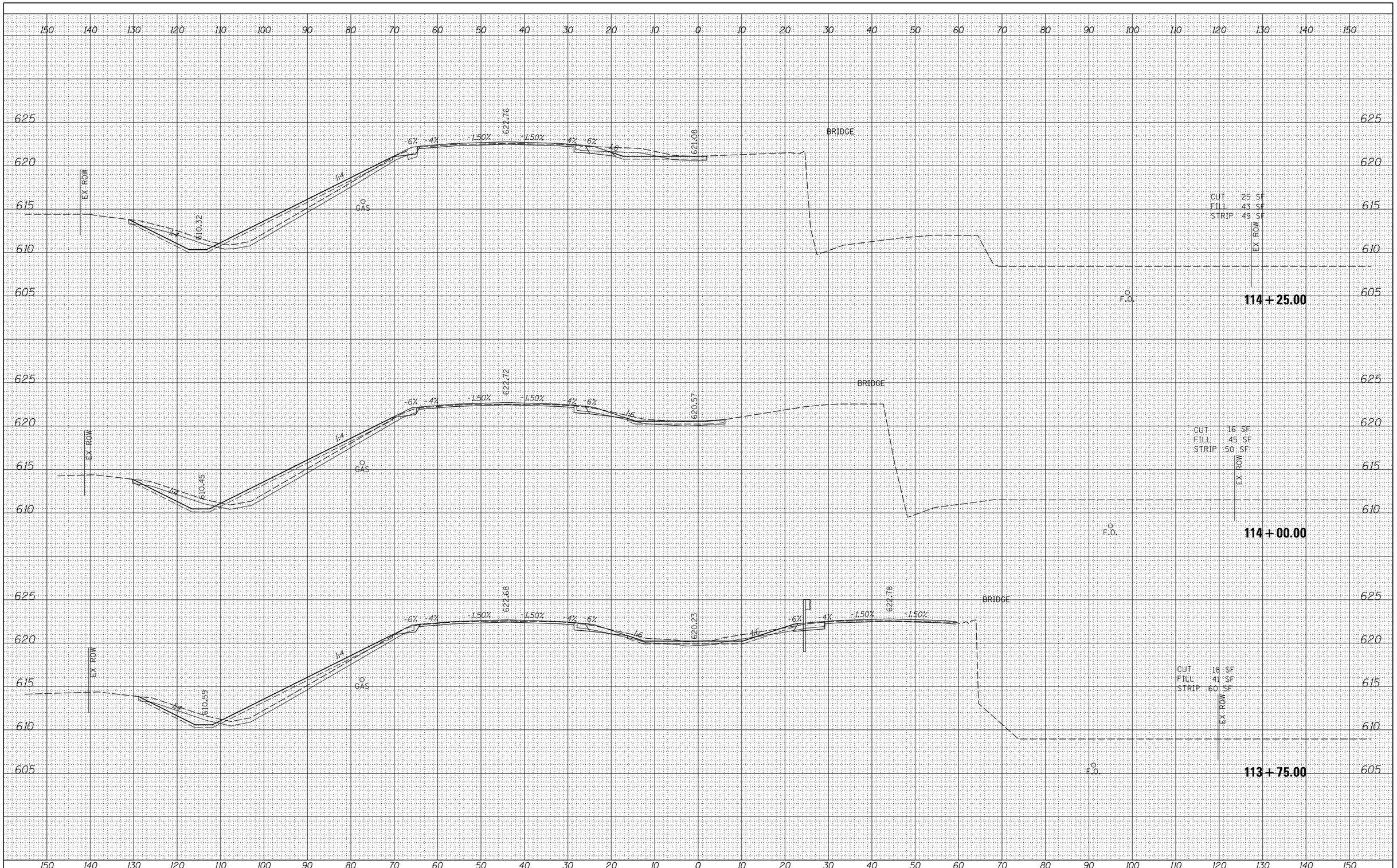

ORIGINAL SURVEY	BY	DATE
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TEMPLATE		
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AREAS		
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IL 17 CROSS SECTIONS

SCALE: | SHEET 6 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	103
	FINAL	CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY

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

ORIGINAL SURVEY

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

620 615 610 625

EX ROW — 4:1 — 609.51 — GAS — BRIDGE — 613.07 — BRIDGE — EX ROW — F.O.

CUT 26 SF
FILL 11 SF
STRIP 34 SF

115+00.00

EX ROW — 4:1 — 609.78 — -6% — -4% — 1.50% — 622.83 — GAS — BRIDGE — 616.96 — BRIDGE — EX ROW — F.O.

CUT 28 SF
FILL 42 SF
STRIP 36 SF

114+75.00

EX ROW — 4:1 — 610.05 — -6% — -4% — 1.50% — 622.79 — 1.50% — -4% — -6% — 4:1 — 621.67 — GAS — BRIDGE — EX ROW — F.O.

CUT 25 SF
FILL 43 SF
STRIP 50 SF

114+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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PLOT DATE = 10/30/2018	DATE - 10/30/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 17 CROSS SECTIONS

SCALE: | SHEET 7 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	104
	FINAL	CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

625 620 615 610

EX. ROW

GAS

BRIDGE

621.46

622.82

1:6 6% 4% 1:50% 1:50% 4% 6%

4%

610.28

1:4

F.O.

EX. ROW

CUT 18 SF
FILL
STRIP 44 SF

115 + 75.00

BRIDGE

622.86

1:6 6% 4% 1:50% 1:50% 4% 6%

4%

610.24

1:4

F.O.

EX. ROW

CUT 26 SF
FILL
STRIP 27 SF

115 + 50.00

607.27

BRIDGE

4%

610.21

1:4

F.O.

EX. ROW

CUT 35 SF
FILL 2 SF
STRIP 28 SF

115 + 25.00

606.94

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

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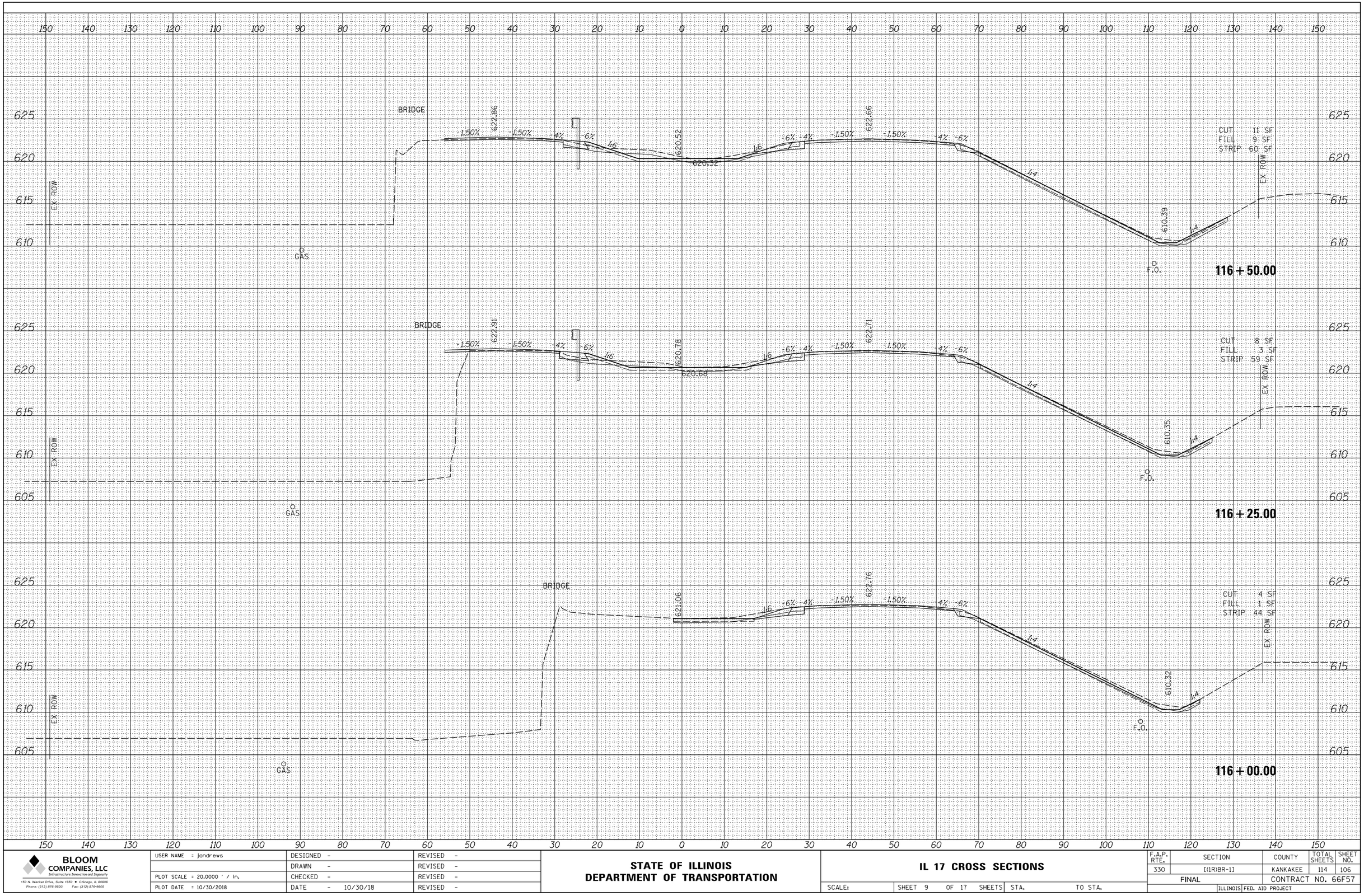
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 17 CROSS SECTIONS

SCALE: | SHEET 8 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	105
FINAL		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

NO.	NOTE BOOK	BY	DATE
	AREAS		
	AREAS CHECKED		

SURVEYED
PLOTTED
TEMPLATE

ORIGINAL SURVEY

NO.	NOTE BOOK	BY	DATE
	AREAS		
	AREAS CHECKED		

SURVEYED
PLOTTED
TEMPLATE

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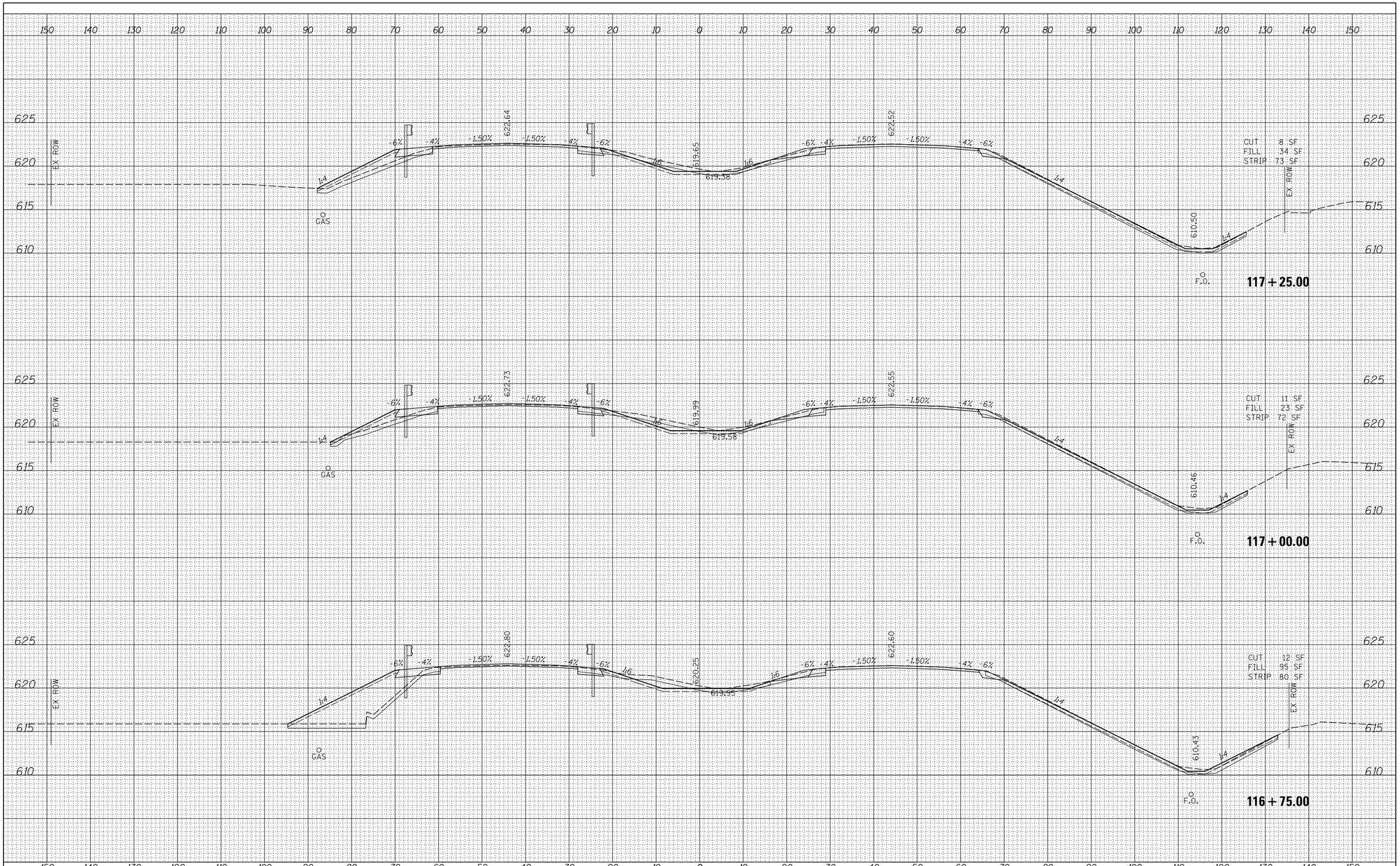
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 17 CROSS SECTIONS

SCALE: | SHEET 9 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	106
	FINAL	CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

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

ORIGINAL SURVEY

NO.	NOTE BOOK	BY	DATE
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	TEMPLATE		
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	SURVEYED		
	AREAS CHECKED		

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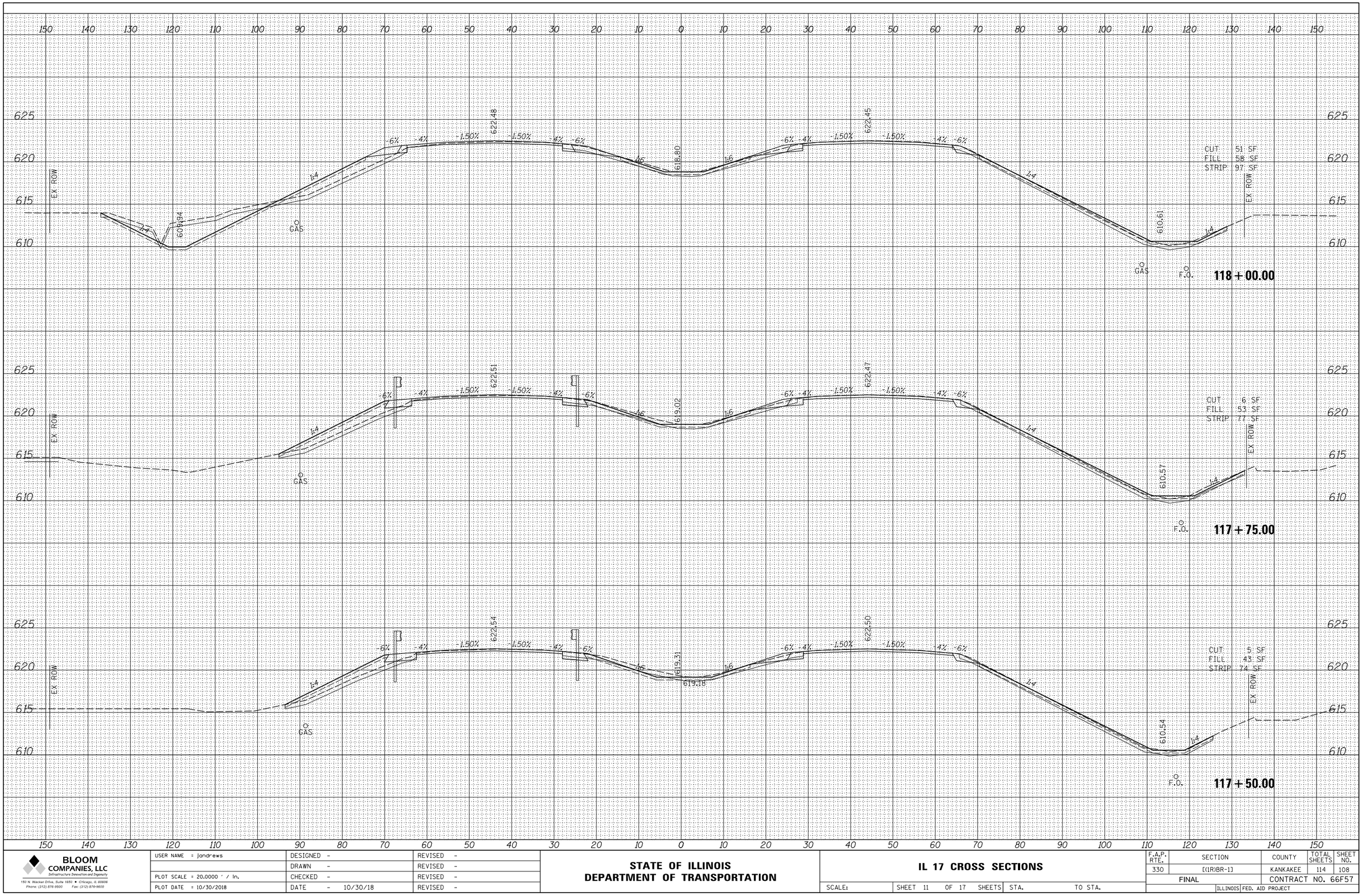
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 17 CROSS SECTIONS

SCALE: | SHEET 10 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	107
FINAL		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

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

ORIGINAL SURVEY

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

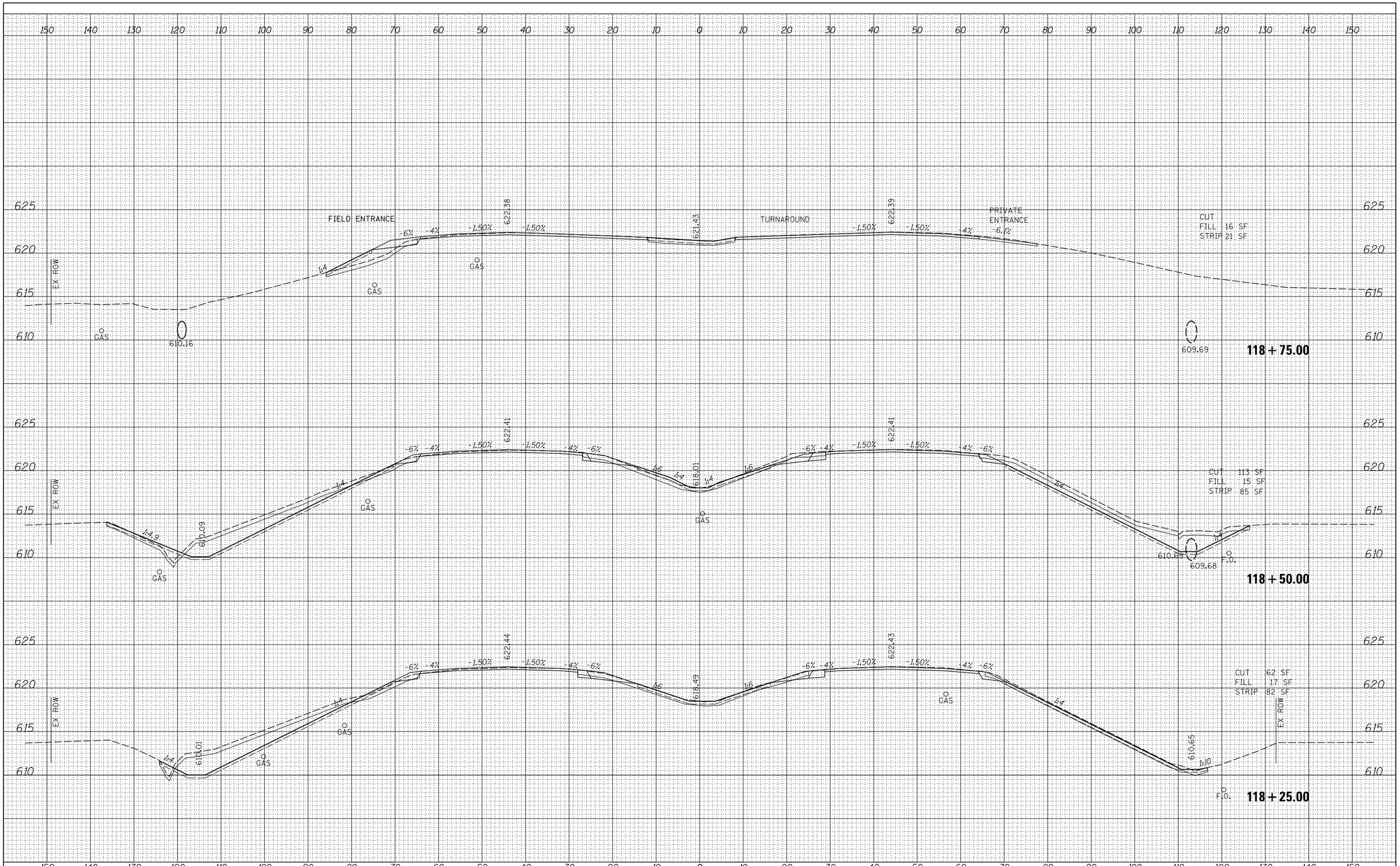
IL 17 CROSS SECTIONS

SCALE: | SHEET 11 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(IR)BR-1]	KANKAKEE	114	108
FINAL		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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

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



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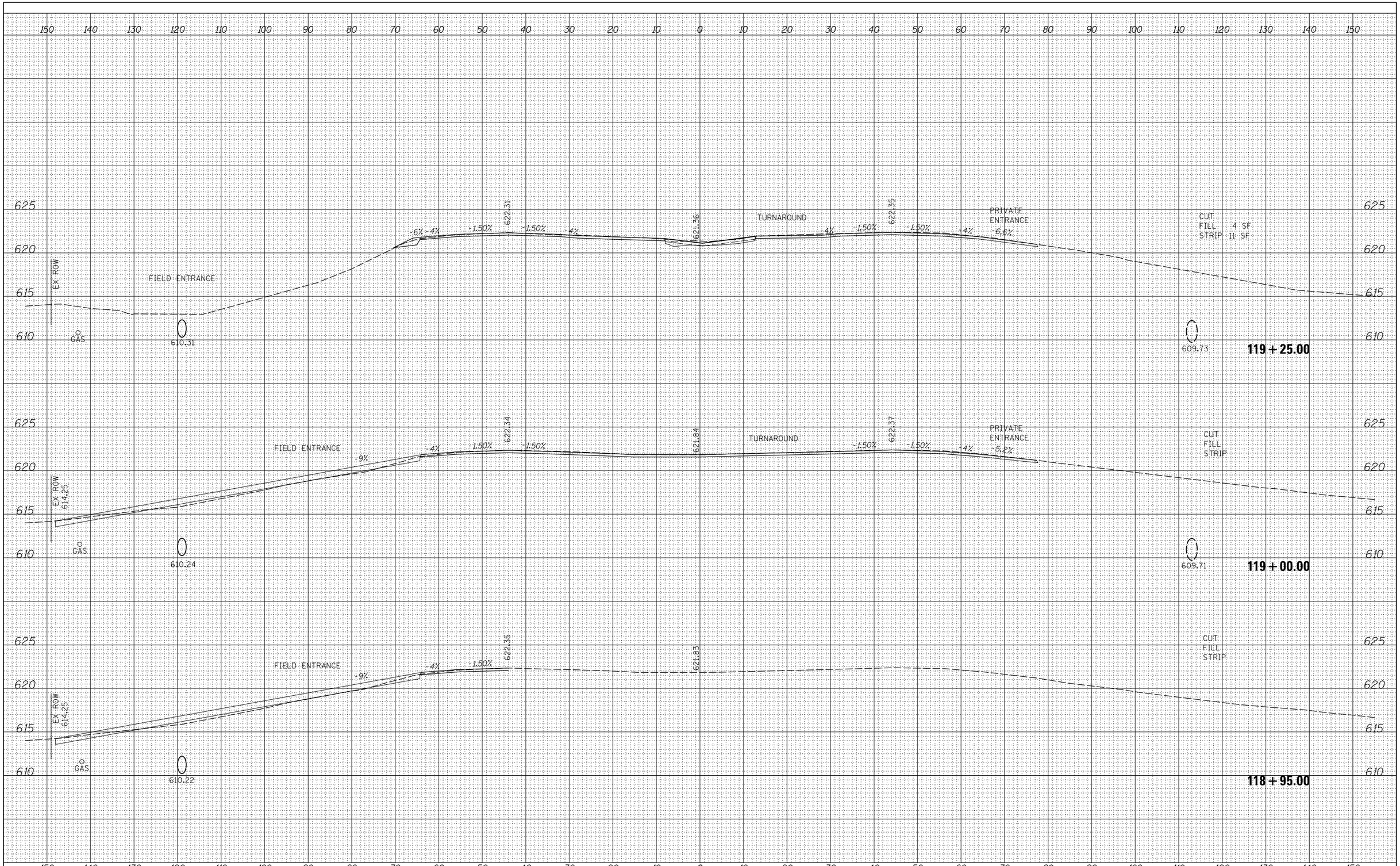
DEPARTMENT OF TRANSPORTATION

IL 17 CROSS SECTIONS

SCALE: | SHEET 12 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	109
FINAL		CONTRACT NO. 66F57		
	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.		

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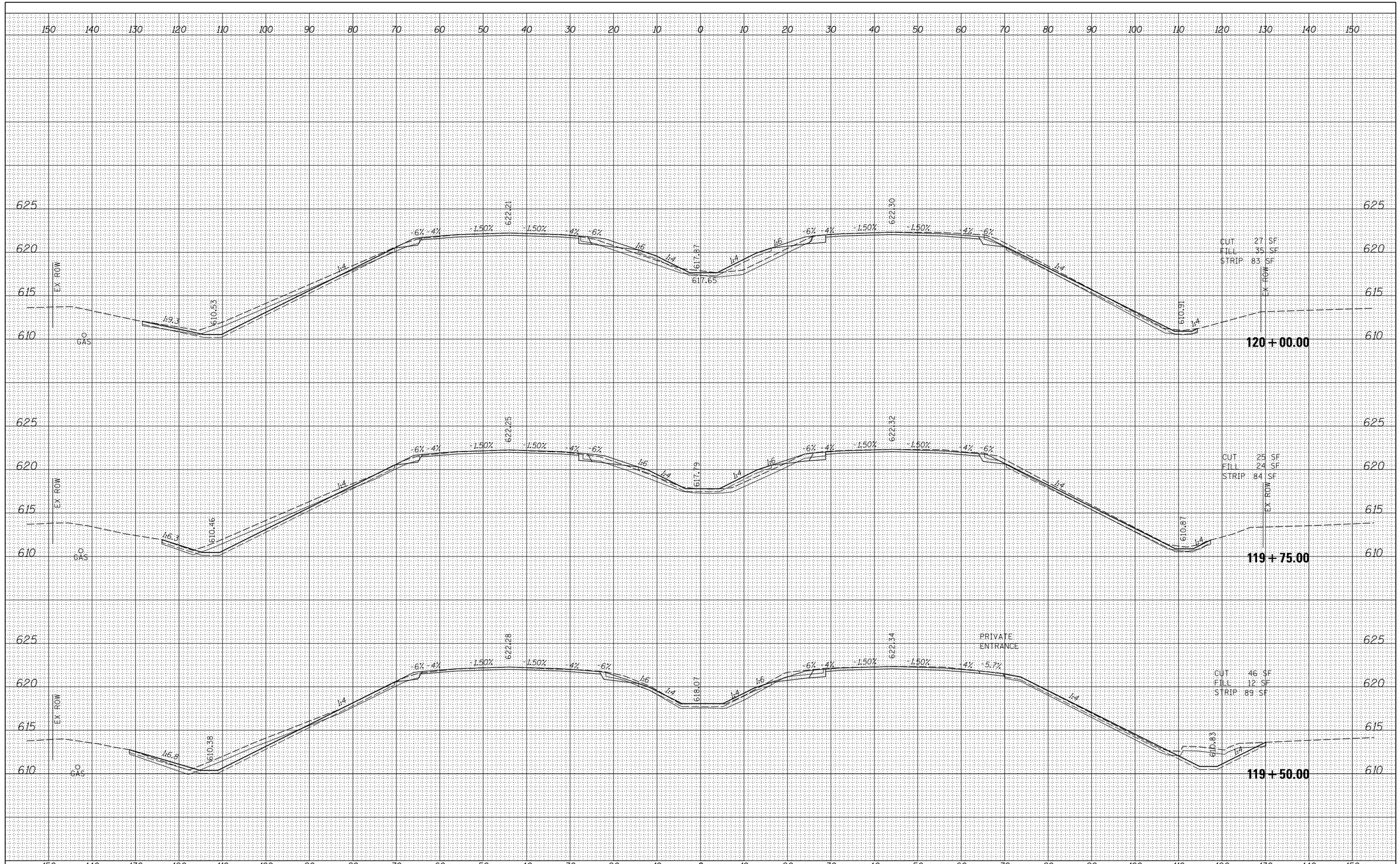
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 17 CROSS SECTIONS

SCALE: | SHEET 13 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	110
FINAL		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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



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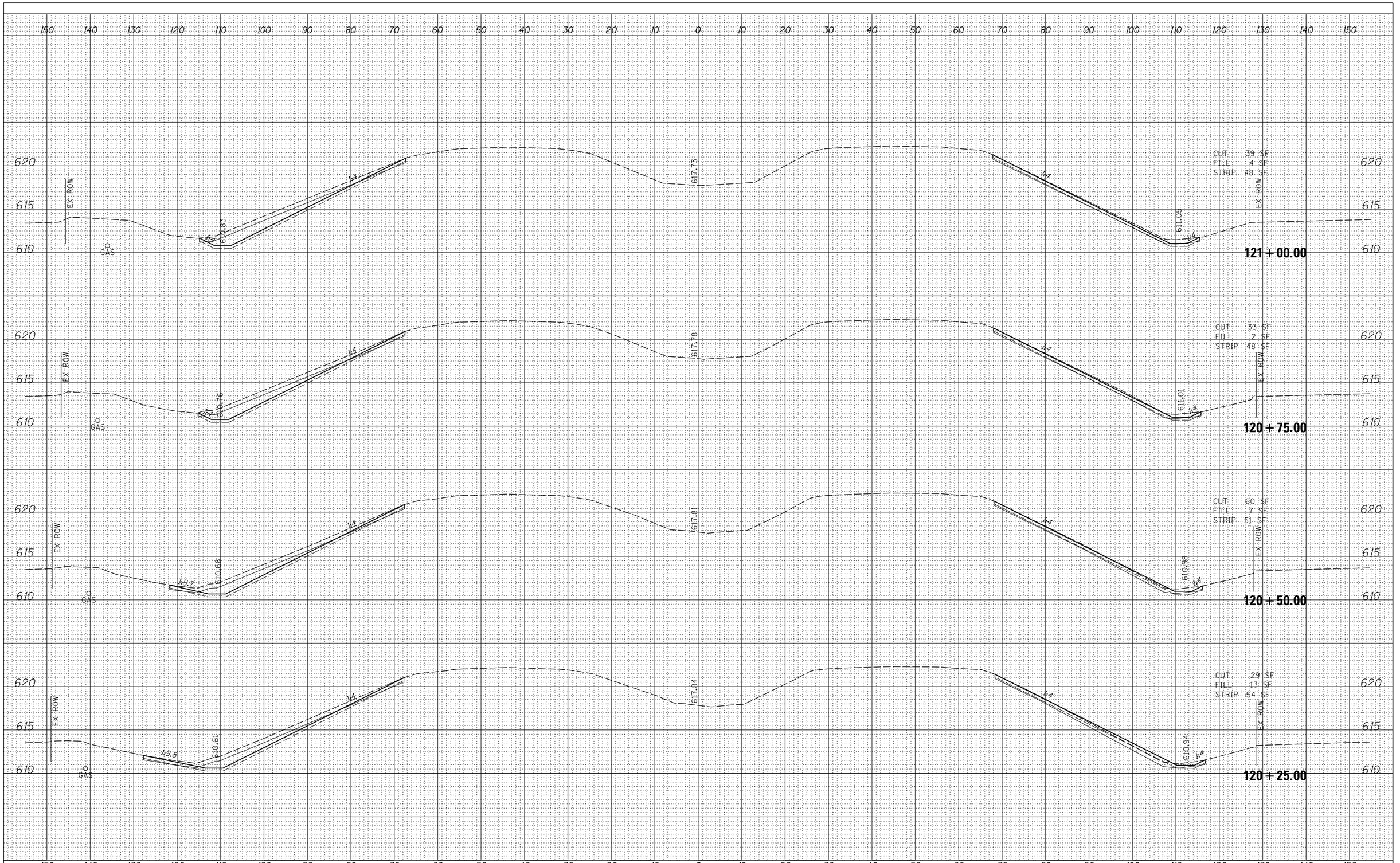
IL 17 CROSS SECTIONS

SCALE: | SHEET 14 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)BR-1	KANKAKEE	114	111
	FINAL	CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			



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

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

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IL 17 CROSS SECTIONS

SCALE: | SHEET 15 OF 17 SHEETS | STA. | TO STA.

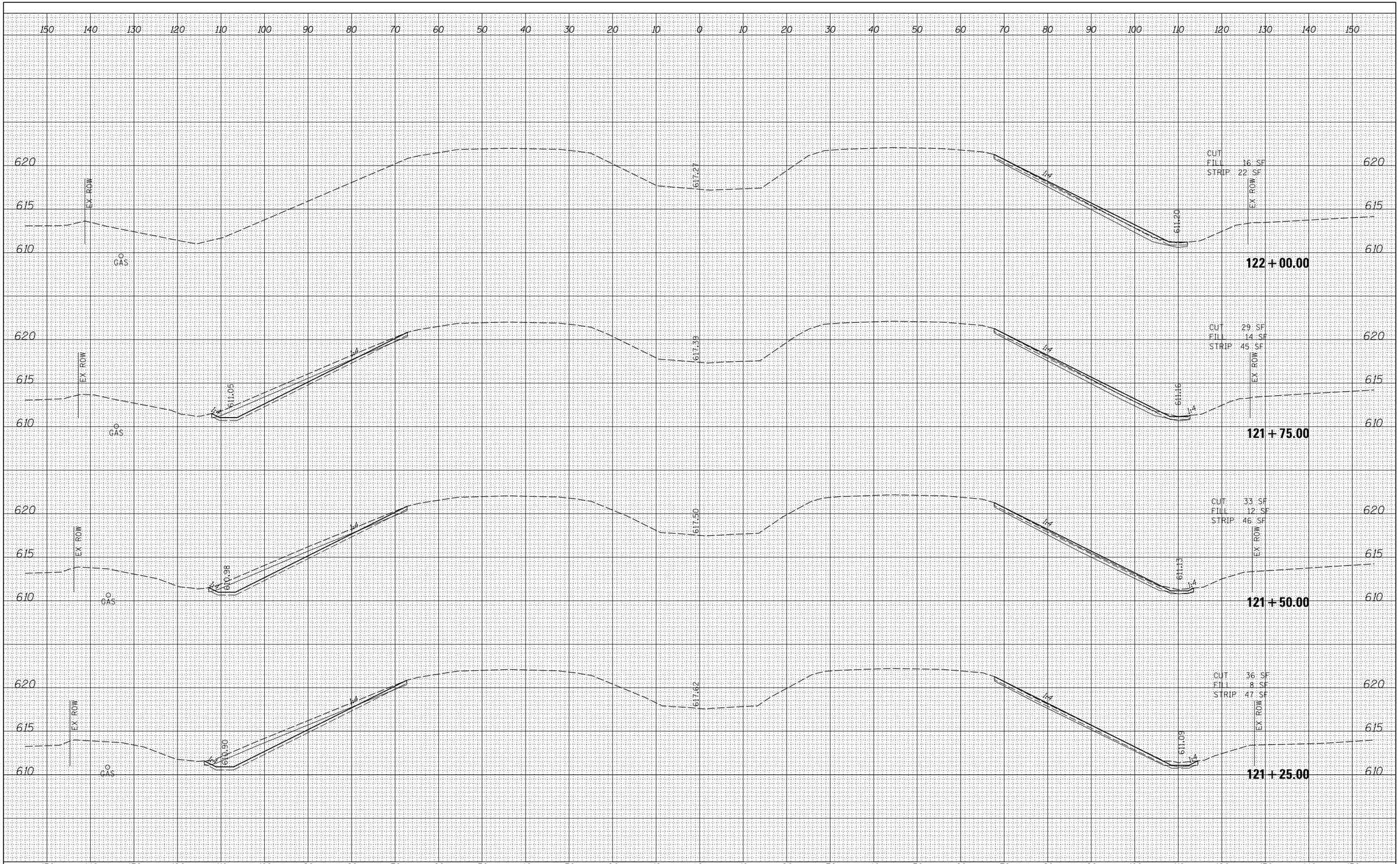
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	112
FINAL		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			

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



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IL 17 CROSS SECTIONS

SCALE: | SHEET 16 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	113
FINAL		CONTRACT NO. 66F57		
	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		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

620
615
610

EX. ROW
GAS
617.15
EX. ROW
122+50.00

620
615
610

EX. ROW
GAS
617.23
EX. ROW
122+25.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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IL 17 CROSS SECTIONS

SCALE: | SHEET 17 OF 17 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	[(1R)BR-1]	KANKAKEE	114	114
FINAL		CONTRACT NO. 66F57		
	ILLINOIS FED. AID PROJECT			