

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	1
		ILLINOIS	CONTRACT NO. 66F88	

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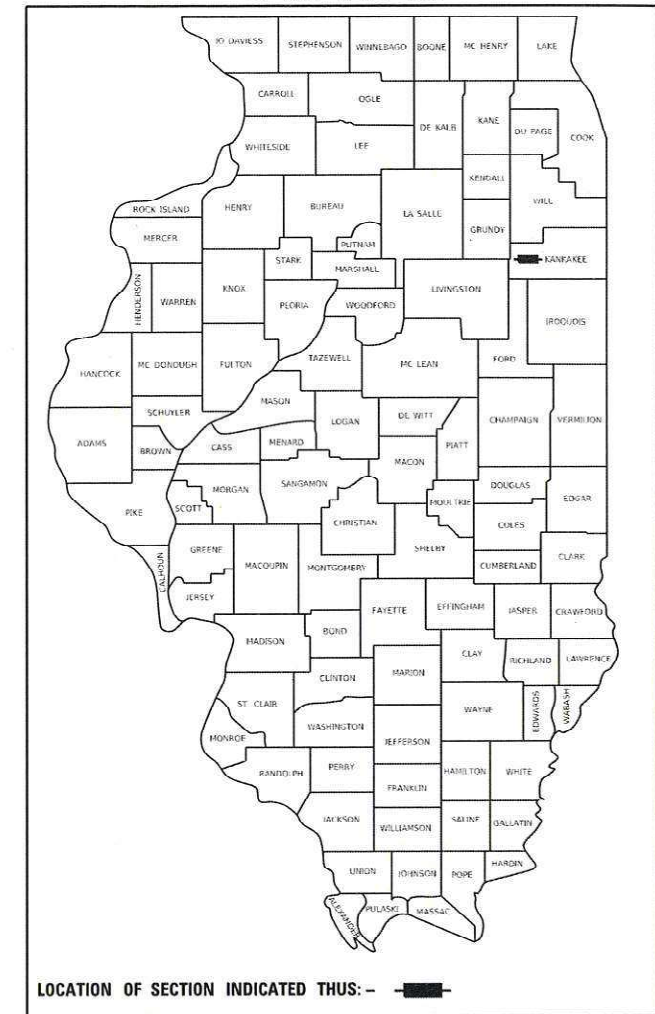
UNIT CHIEF: JORDAN LONGNECKER
 PROJECT ENGINEER: JOSEPH KANNEL, PE
 CONTRACT NO. 66F88

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

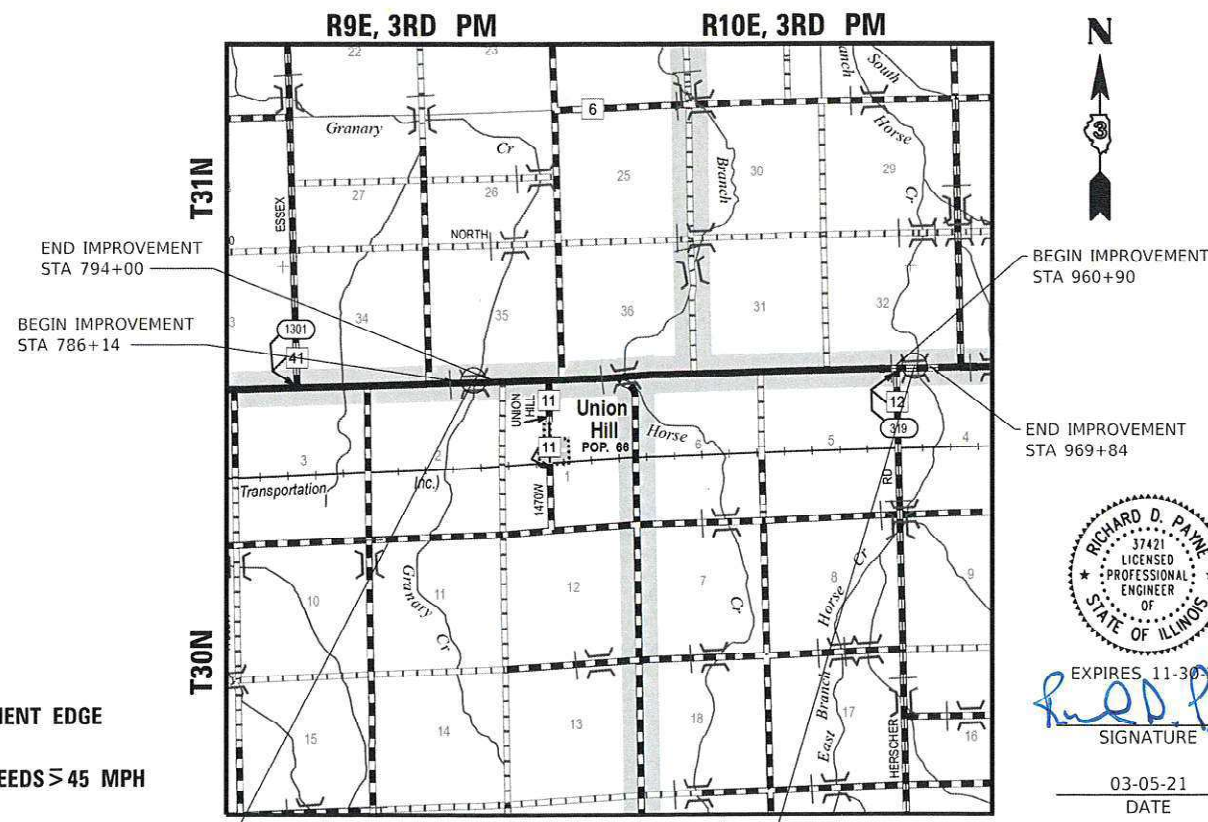
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
**PROPOSED
 HIGHWAY PLANS**
 FAP ROUTE 41 (IL 17)
 SECTION ((13)BR-1&(12)BR)BR
 PROJECT STP-CUIB(608)
**CULVERT REPLACEMENT
 OVER GRANARY CREEK
 BRIDGE REPLACEMENT
 OVER EAST BRANCH HORSE CREEK**
 KANKAKEE COUNTY

C-93-078-20

D-93-042-20



FUNCTIONAL CLASSIFICATION:
 MINOR ARTERIAL
 ADT: 4480 (2020)
 MU = 8.2% SU = 5.9% PC = 85.9%



EXPIRES 11-30-21
Richard D. Payne
 SIGNATURE
 03-05-21
 DATE

PROJECT LOCATION
 PROPOSED STRUCTURE SN 046-2018
 EXISTING STRUCTURE SN 046-0030

PROJECT LOCATION
 PROPOSED STRUCTURE SN 046-0161
 EXISTING STRUCTURE SN 046-0032

GROSS LENGTH = 1680 FT. = 0.318 MILE
 NET LENGTH = 1680 FT. = 0.318 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 25, 20 21

Thomas A. Howard
 REGIONAL ENGINEER

May 7, 2021
Scott A. Etkin
 ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021
Joseph M. Guerin
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

GENERAL NOTES

1. 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.
2. 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.
3. EXCEPT NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
4. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
5. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
6. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO THEIR OPERATIONS.
7. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
8. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
9. 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.
10. 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.
11. 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
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE
12. EXISTING BRIDGE WEIGHT LIMIT SIGNS SHALL BE DELIVERED TO IDOT AT A TIME AND LOCATION TO BE DETERMINED BY THE ENGINEER.
13. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

AT&T
14. NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

HMA MIXTURE REQUIREMENT TABLE

LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA SHOULDER 8" BOTTOM LIFT(S)	HMA SHOULDER 8" TOP LIFT	HMA BINDER	HMA SURFACE	HMA TEMPORARY SHOULDER & BASE COURSE
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 19.0	IL 9.5FG	IL 9.5FG	IL 9.5	IL 19.0
FRICTION AGGREGATE:				MIXTURE C	
MIXTURE WEIGHT:	112.0 LB/SY/IN	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	QCQA
SUBLOT SIZE:	NA	NA	NA	NA	NA
DENSITY TEST METHOD:	CORES	CORES	CORES	CORES	CORES

COMMITMENTS

1. NOTIFY AERONAUTICS IF CONSTRUCTION ACTIVITIES EXCEED 40 FEET VERTICALLY FROM ROADWAY.
2. NO TREES WILL BE REMOVED BETWEEN APRIL 1 AND SEPTEMBER 30.
3. THE CONTRACTOR SHALL ADHERE TO THE LEGAL LOAD POSTING FOR CONSTRUCTION TRUCKS AND EQUIPMENT.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

SUPERVISING CONSTRUCTION FIELD ENGINEER

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

RESIDENT ENGINEER / TECHNICIAN

DATE: _____

START & END DATES
OF CONSTRUCTION: _____

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

INSPECTORS: _____

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

MODEL_PLOT
FILE_NAME: Y:\IUDOT\1352-02_66F88\CADD\Highway\CADD_Sheets\1352\66F88-shs-gennote01.dgn



USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES AND COMMITMENTS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	2
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 046-2018	0010 S.N. 046-0161
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	170	170		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	24	24		
20200100	EARTH EXCAVATION	CU YD	1939	1939		
20400800	FURNISHED EXCAVATION	CU YD	985	985		
20700220	POROUS GRANULAR EMBANKMENT	CU YD	507		507	
25000210	SEEDING, CLASS 2A	ACRE	2.25	2.25		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	210	210		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	210	210		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	210	210		
25100630	EROSION CONTROL BLANKET	SQ YD	11150	11150		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	450	450		
28000305	TEMPORARY DITCH CHECKS	FOOT	138	138		
28000400	PERIMETER EROSION BARRIER	FOOT	3082	3082		
28000500	INLET AND PIPE PROTECTION	EACH	5	5		

MODEL: PLOT01
FILE NAME: Y:\J01011352-02_66F88\CADD\Highway\CADD_Sheets\0366F88.stx_scp01.dgn



USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/5/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 1 OF 8 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	3
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 046-2018	0010 S.N. 046-0161
28100105	STONE RIPRAP, CLASS A3	SQ YD	16	16		
28100107	STONE RIPRAP, CLASS A4	SQ YD	1026		136	890
28200200	FILTER FABRIC	SQ YD	1042	16	136	890
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	415	415		
35501319	HOT-MIX ASPHALT BASE COURSE, 8 3/4"	SQ YD	374	374		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	283	283		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	330	330		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	934	934		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3832	3832		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1.3	1.3		
40600990	TEMPORARY RAMP	SQ YD	316	316		
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	682	682		
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	377	377		
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	124	124		

MODEL PLOT03
FILE NAME: Y:\UT01\1352-02_66F88\CADD\Highway\CADD_Sheets\0366F88-sh1-csg01.dgn



USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/10/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	4
CONTRACT NO. 66F88			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 046-2018	0010 S.N. 046-0161
44000100	PAVEMENT REMOVAL	SQ YD	488	488		
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	3960	3960		
44004250	PAVED SHOULDER REMOVAL	SQ YD	506	506		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	103	103		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1109	1109		
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1			1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1	
50105220	PIPE CULVERT REMOVAL	FOOT	155	155		
50200100	STRUCTURE EXCAVATION	CU YD	200			200
50300225	CONCRETE STRUCTURES	CU YD	71.4			71.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	172.8			172.8
50300260	BRIDGE DECK GROOVING	SQ YD	609			609
50300300	PROTECTIVE COAT	SQ YD	769			769
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	106			106.0

MODEL PLOT03
FILE NAME: Y:\03\1352-02_66F88\CADD\Highway\CADD_Sheets\03\66F88-sh5-csg01.dgn



USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/5/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	5
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 046-2018	0010 S.N. 046-0161
50401325	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL45N	FOOT	602			602.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	101890		14340	87550
50800515	BAR SPLICERS	EACH	618			618
51201900	FURNISHING STEEL PILES HP14X89	FOOT	414			414
51500100	NAME PLATES	EACH	2		1	1
52200010	TEMPORARY SHEET PILING	SQ FT	521		521	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	520			520
54003000	CONCRETE BOX CULVERTS	CU YD	88.5		88.5	
54011208	PRECAST CONCRETE BOX CULVERTS 12' X 8'	FOOT	80		80	
54213453	END SECTIONS 18"	EACH	4	4		
54213459	END SECTIONS 24"	EACH	4	4		
54213483	END SECTIONS 48"	EACH	2	2		
5421D018	PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	FOOT	116	116		
5421D024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	166	166		

MODEL: PLOT04
FILE NAME: Y:\DOT\1352-02_66F88\CADD\Highway\CADD_Sheets\0366F88.sft_scp01.dgn



USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/5/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	6
CONTRACT NO. 66F88			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 046-2018	0010 S.N. 046-0161
5421D048	PIPE CULVERTS, CLASS D, TYPE 1 48" (TEMPORARY)	FOOT	60	60		
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	116	116		
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	166	166		
542D0253	PIPE CULVERTS, CLASS D, TYPE 1 48"	FOOT	48	48		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	153			153
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	75			75
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	400	400		
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	37.5	37.5		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	8		
63200310	GUARDRAIL REMOVAL	FOOT	928	928		
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	2425	2425		
* 66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8	8		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	17	17		

* SPECIALTY ITEM

MODEL PLOTS
FILE NAME: Y:\03011352-02_66F88\CADD\Highway\CADD_Sheets\03011352-02_66F88-sh1-0001.dgn



USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/5/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	7
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

REV. 4/29/21

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 046-2018	0010 S.N. 046-0161
67100100	MOBILIZATION	L SUM	1	1		
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	2		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	2		
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	12		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	510	510		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	170	170		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3360	3360		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	430	430		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1325	1325		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	800	800		
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2		

* SPECIALTY ITEM

MODEL: PLOT06
FILE NAME: Y:\DOT\1352-02_66F88\CADD\Highway\CADD_Sheets\0366F88.stf_scp01.dgn



USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/5/2021

DESIGNED - SMA	REVISED -
DRAWN - SMA	REVISED -
CHECKED - RDP/SKM	REVISED -
DATE - 03/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	8
CONTRACT NO. 66F88			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 046-2018	0010 S.N. 046-0161
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2		
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE,NARROW), TEST LEVEL 3	EACH	2	2		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	6720	6720		
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	860	860		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	22	22		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	18	18		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	19	19		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	335	335		
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	20	20		
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	190		190	
X4810100	TEMPORARY SHOULDERS	SQ YD	1031	1031		

* SPECIALTY ITEM

MODEL: PLOT07
FILE NAME: Y:\03\011352-02_66F88\CADD\Highway\CADD_Sheets\03\66F88-shf-csg01.dgn



USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/5/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	9
CONTRACT NO. 66F88				
ILLINOIS		FED. AID PROJECT		

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 046-2018	0010 S.N. 046-0161
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1335	1335		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	138	138		
X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	2	2		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	84	84		
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	1680	1680		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	133			133
Z0065001	DRILLING AND SETTING PILES (IN SOIL)	CU FT	1442			1442
Z0065002	DRILLING AND SETTING PILES (IN ROCK)	CU FT	472			472
Z0073410	TEMPORARY SUPPORT SYSTEM, LOCATION 1	EACH	1			1
Z0073420	TEMPORARY SUPPORT SYSTEM, LOCATION 2	EACH	1		1	

* SPECIALTY ITEM

MODEL: PLOT09
FILE NAME: Y:\01011355-02_66F88\CADD\Highway\CADD_Sheets\0366F88.sht.scp01.dgn



USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/5/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

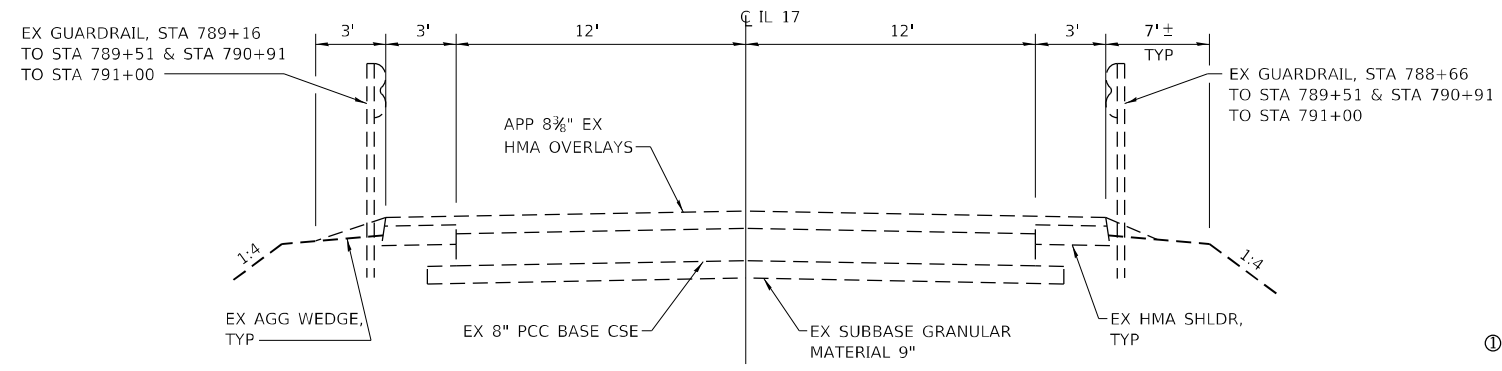
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

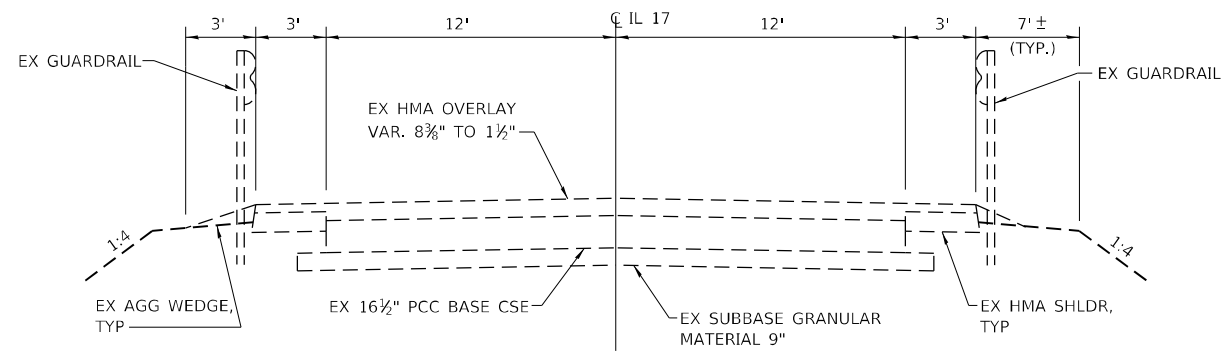
SCALE: NONE SHEET NO. 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	10
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

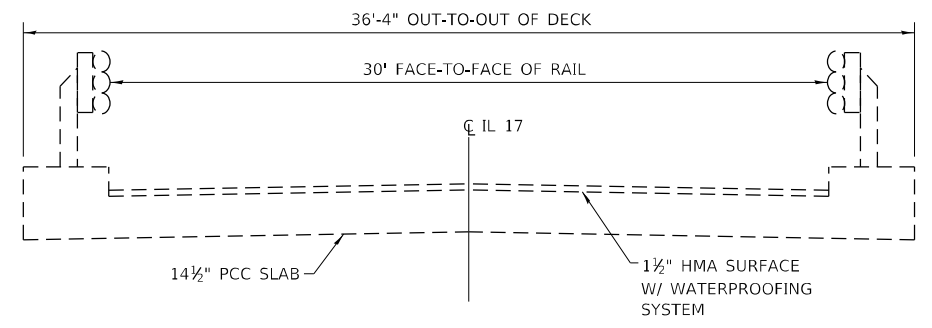
REV. 5/10/21 REV. 4/29/21



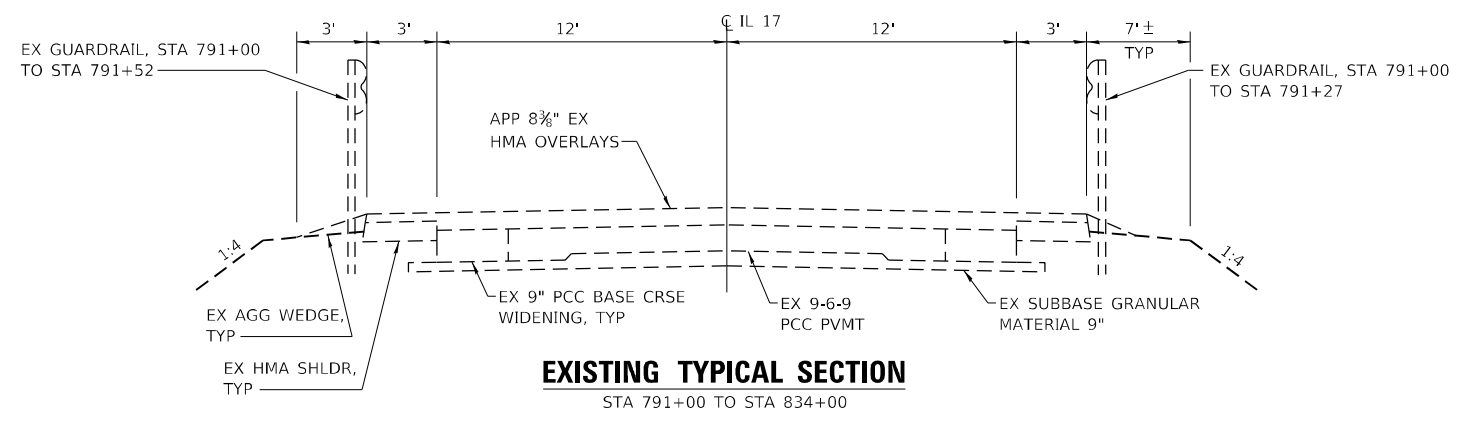
EXISTING TYPICAL SECTION
 STA 778+00 TO STA 789+51
 STA 790+91 TO STA 791+00



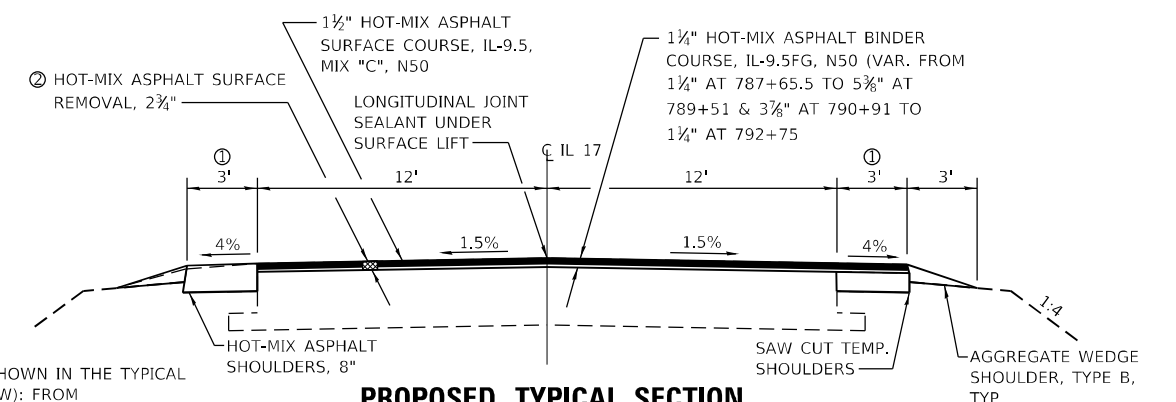
EXISTING TYPICAL SECTION
 STA 789+51 TO STA 789+91
 STA 790+51 TO STA 790+91



EXISTING TYPICAL SECTION
 STA 789+91 TO STA 790+51



EXISTING TYPICAL SECTION
 STA 791+00 TO STA 834+00

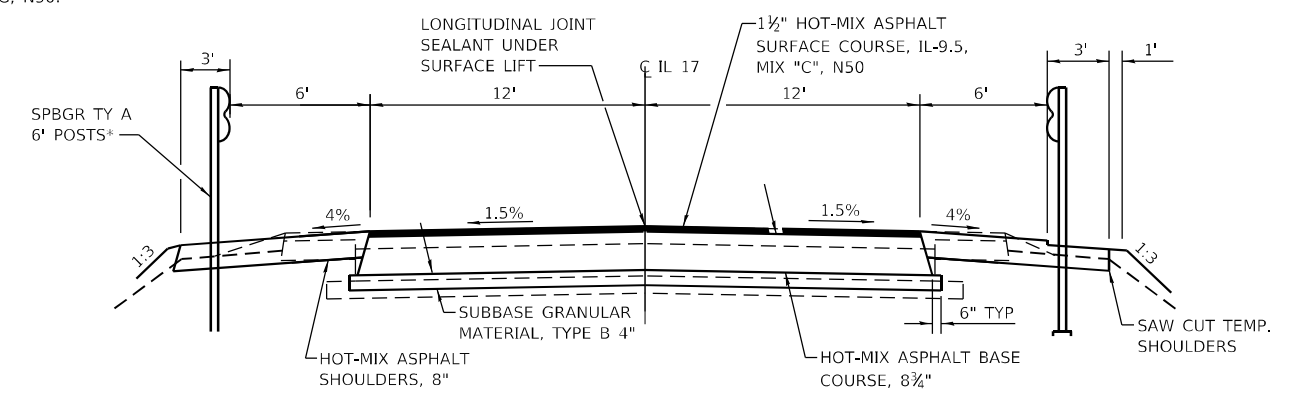


PROPOSED TYPICAL SECTION
 STA 787+65.5 TO STA 789+51.0
 STA 790+90.9 TO STA 792+75

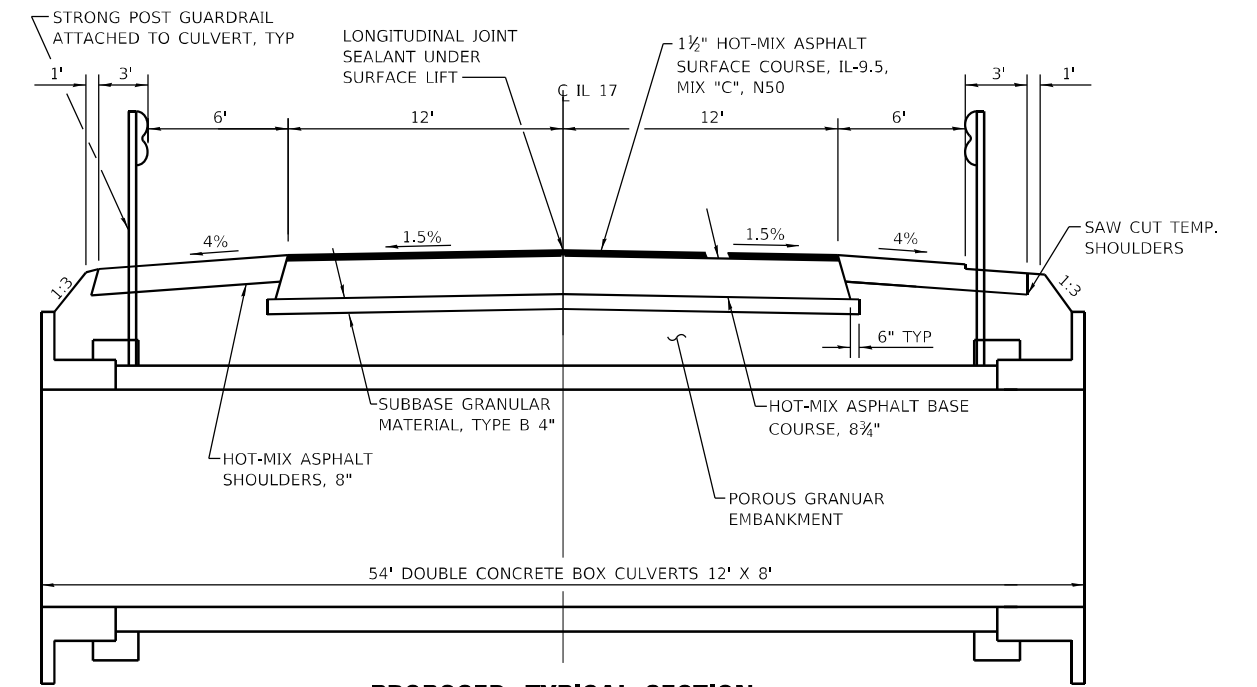
① 6' WIDTH (AS SHOWN IN THE TYPICAL SECTIONS BELOW): FROM LT STA 788+89 TO STA 789+51, LT STA 790+90.9 TO STA 792+07, RT STA 788+35 TO STA 789+51, AND RT STA 790+90.9 TO STA 791+53

② HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4" - 24' WIDTH CONTINUES FROM STA 786+14 TO STA 784+65.5 AND FROM STA 792+75 TO STA 794+00. THIS AREA SHALL BE REPLACED WITH 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 ON 1 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50.

* SHOWING GUARDRAIL (SEE SHEET 19 FOR LIMITS)



PROPOSED TYPICAL SECTION
 STA 789+51.0 TO STA 790+08
 STA 790+35 TO STA 790+90.9



PROPOSED TYPICAL SECTION
 STA 790+08 TO STA 790+35

MODEL_PLOT FILE NAME: Y:\PROJECTS\1352-02_66F8B8\ADD\Highway\CADD_Sheets\1352-02_66F8B8-shs-tyr-01.dgn



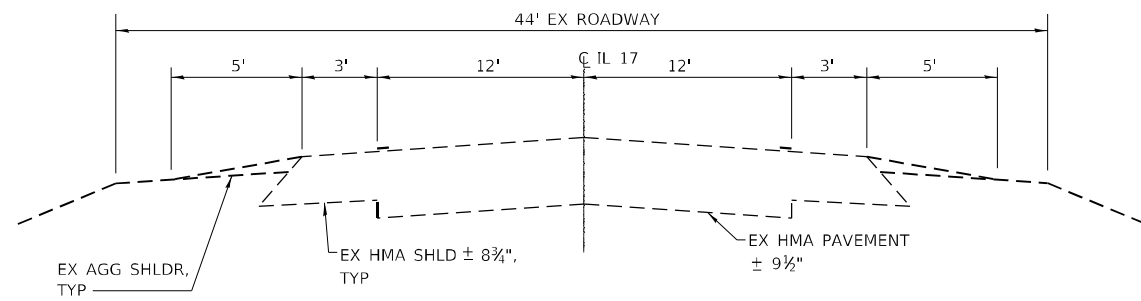
USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 (SN 046-2018)**

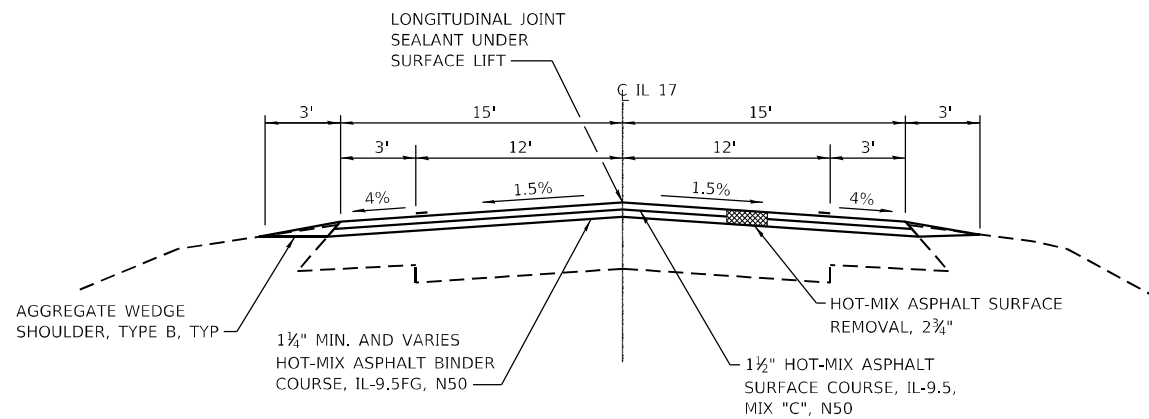
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	11
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

STA 961+00 TO STA 965+37
STA 966+32 TO STA 969+50



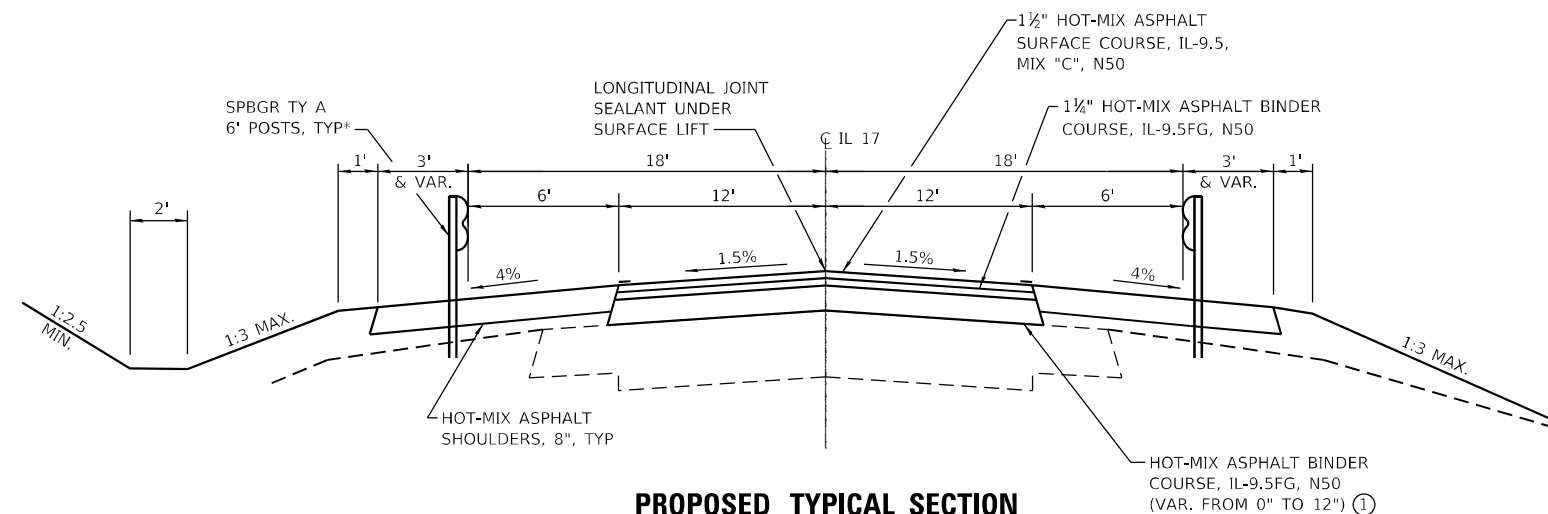
PROPOSED TYPICAL SECTION

LT STA 960+90 TO STA 964+22
RT STA 960+90 TO STA 963+72
LT STA 967+97 TO STA 969+84
RT STA 967+47 TO STA 969+84

PERMANENT SURVEY MARKERS OR OTHER MONUMENTS TO BE SET

GPS NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
N/A	NO CENTERLINE OR SECTION CORNER PERMANENT SURVEY MARKERS TO BE SET ON THIS JOB	N/A	N/A	N/A	N/A

NO KNOWN LAND SECTION OR CENTERLINE MONUMENTS ARE ON THE ROAD SURFACE THAT WILL BE DISRUPTED BY THE BRIDGE REPLACEMENT WORK. UNKNOWN MONUMENTS MAY EXIST. IF FOUND, R.E. WILL TIE AND REQUEST PLATS AND PLANS TO GPS ANY UNKNOWN MONUMENT SUBJECT TO DESTRUCTION FROM THE CONSTRUCTION WORK, AND INFORM THEM TO RESET THE MONUMENT UPON JOB COMPLETION. MONUMENTS EXIST NEARBY. R.E. WILL INFORM PLATS AND PLANS IF THE IMPROVEMENT LIMITS ARE INCREASED DURING CONSTRUCTION. NO MONUMENT RECORDS WILL BE REQUIRED BASED ON THE PROJECT REPORT IMPROVEMENT LIMITS APPROVED 12-21-2018.



PROPOSED TYPICAL SECTION

LT STA 964+22 TO STA 964+89
RT STA 963+72 TO STA 964+89
LT STA 966+80 TO STA 967+97
RT STA 966+80 TO STA 967+47

* SHOWING GUARDRAIL (SEE SHEET 20 FOR LIMITS)

① MULTIPLE LIFTS ARE REQUIRED. MAXIMUM LIFT THICKNESS SHALL BE NO MORE THAN 6 TIMES THE NOMINAL MAXIMUM AGGREGATE SIZE OF THE MIXTURE USED.

MODEL_PLOT FILE NAME: Y:\PROJECTS\1352-02_66F88\CDM\Highway\CADD_Sheets\1352-02_66F88-shs-tyr-0402.dgn



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.2" / in.
PLOT DATE = 3/4/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
(SN 046-0161)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	12
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE								
LOCATION	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING - LINE 4"	PAINT PAVEMENT MARKING - LINE 6"	RAISED REFLECTIVE PAVEMENT MARKER
	FOOT	SQ FT	FOOT	FOOT	SQ FT	FOOT	FOOT	EACH
STA 786+14 TO STA 794+00	240	80	1572	200	624	3144	400	10
STA 960+90 TO STA 969+84	270	90	1788	230	711	3576	460	12
TOTALS	510	170	3360	430	1335	6720	860	22

TEMPORARY CONCRETE BARRIER SCHEDULE							
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW) TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW) TEST LEVEL 3	PINNING TEMPORARY CONCRETE BARRIER
	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH
STAGE I (SN 046-2018)	362.5		2				21
STAGE II (SN 046-2018)	525	362.5		2	2		63
POST-STAGE II (SN 046-2018)						2	
STAGE I (SN 046-0161)	437.5		2				54
STAGE II (SN 046-0161)		437.5			2		
TOTALS	1325	800	4	2	4	2	138

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL SCHEDULE	
LOCATION	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
	EACH
STA 787+65.5 TO STA 792+75	8
STA 961+00 TO STA 969+50	11
TOTAL	19

DRAINAGE SCHEDULE									
LOCATION	PIPE CULVERTS, CLASS D, TYPE 1 18"	PIPE CULVERTS, CLASS D, TYPE 1 24"	PIPE CULVERTS, CLASS D, TYPE 1 48"	PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	PIPE CULVERTS, CLASS D, TYPE 1 48" (TEMPORARY)	END SECTIONS 18"	END SECTIONS 24"	END SECTIONS 48"
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH
LT STA 788+04	50						2		
LT STA 961+53	66						2		
LT STA 968+95		83						2	
RT STA 968+95		83						2	
RT STA 962+26			48						2
AS DIRECTED BY ENGINEER				116	166	60			
TOTALS	116	166	48	116	166	60	4	4	2

GUARDRAIL SCHEDULE									
LOCATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STRONG POST GUARDRAIL ATTACHED TO CULVERT	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A
	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH
LT STA 789+61.6 TO STA 790+11.6	81	50			1			1	
LT STA 790+30.4 TO STA 791+30.4	105	100			1			1	
STA 790+11.6 TO STA 790+30.4			37.5						
RT STA 789+11.6 TO STA 790+11.6	130	100							
RT STA 790+30.4 TO STA 790+80.4	80	50			1			1	
LT STA 789+61.6 TO STA 791+30.4					1			1	4
RT STA 789+11.6 TO STA 790+80.4								1	4
RT STA 964+30.4 TO STA 964+80.4		50							2
LT STA 966+88.4 TO STA 964+38.4		50							3
LT STA 964+80.4 TO STA 965+20.6					1				2
LT STA 966+48.4 TO STA 966+88.4					1				
RT STA 964+80.4 TO STA 965+20.6					1	1			1
RT STA 966+48.4 TO STA 966+88.4					1	1			2
LT STA 964+30.4 TO STA 964+80.4	127				1			1	
LT STA 967+38.4 TO STA 967+88.4	126				1			1	
RT STA 963+80.4 TO STA 964+30.4	177				1		1	2	
RT STA 966+88.4 TO STA 967+38.4	102				1		1	2	
TOTALS	928	400	37.5	4	8	2	2	10	18

PAVEMENT MARKING REMOVAL SCHEDULE	
LOCATION	PAVEMENT MARKING REMOVAL - WATER BLASTING
	SQ FT
STA 786+14 TO STA 788+40	60
STA 792+02.5 TO STA 793+62	14
STA 788+40 TO STA 792+02.5	122
STA 961+83 TO STA 963+77.4	17
STA 967+90.1 TO STA 969+84	17
STA 963+57.5 TO STA 976+91.0	145
TOTAL	335

TEMPORARY RAMP SCHEDULE	
LOCATION	TEMPORARY RAMP
	SQ YD
STAGE I (SN 046-2018)	11
STAGE II (SN 046-2018)	11
STAGE I (SN 046-0161)	101
STAGE II (SN 046-0161)	193
TOTAL	316

MODEL_PLOT
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USER NAME = skm
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/5/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

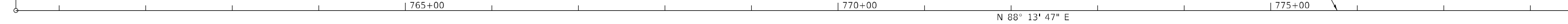
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

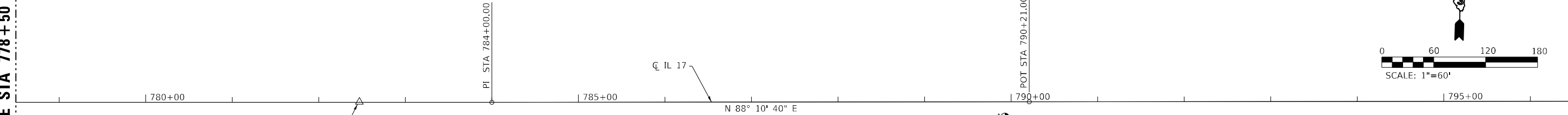
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	14
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

POT STA 760+50.00



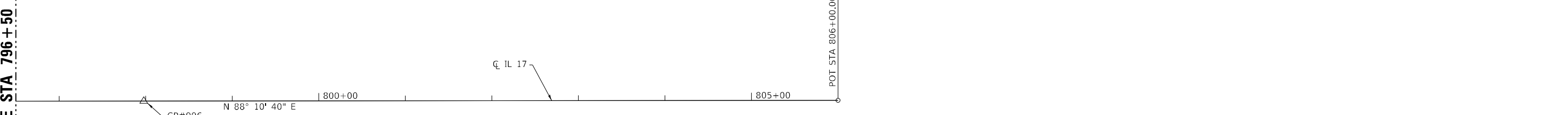
MATCH LINE STA 778 + 50

MATCH LINE STA 778 + 50



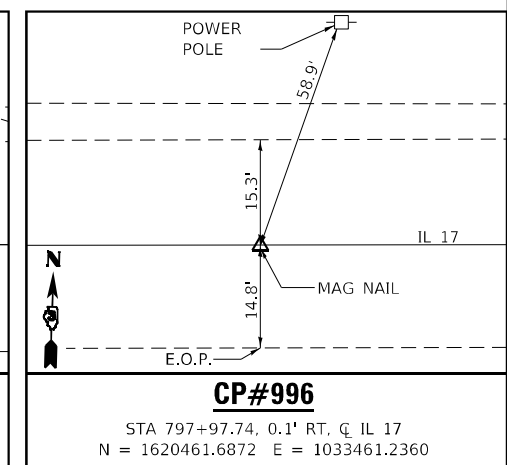
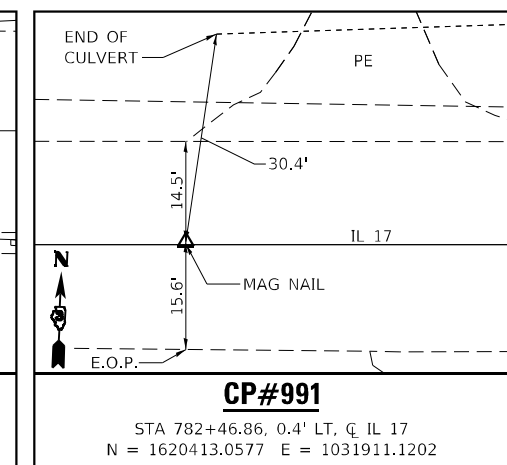
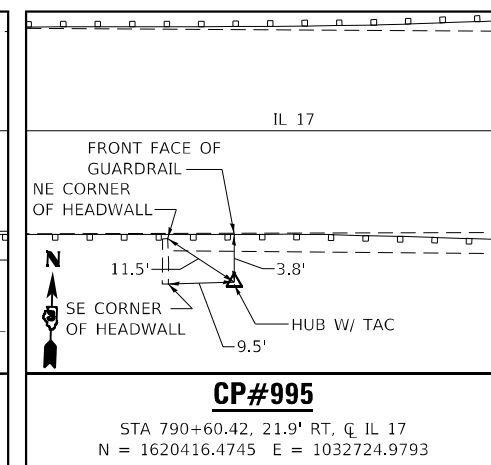
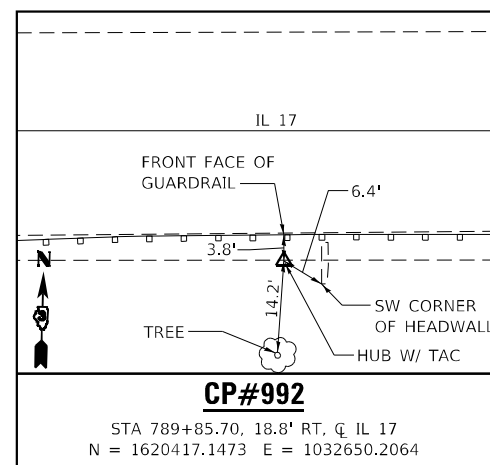
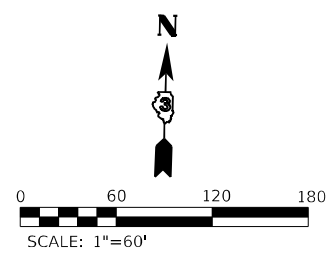
MATCH LINE STA 796 + 50

MATCH LINE STA 796 + 50



BENCHMARK

SBM 2 - CHISELED SQUARE ON SOUTH WINGWALL OF WEST ABUTMENT, SN 046-0030.
18.0' RT OF \bar{C} IL 17, STA 789+92.89, EL 612.86



MODEL_PLOT
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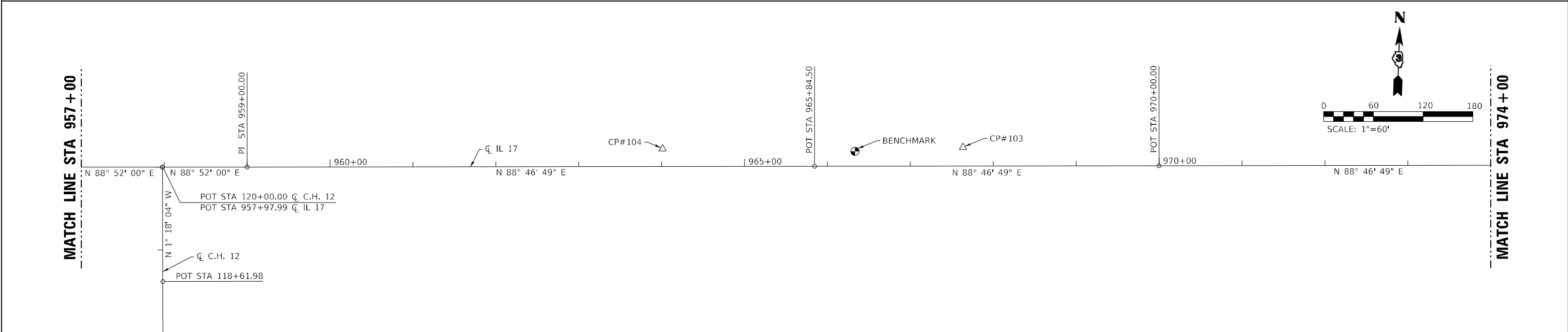
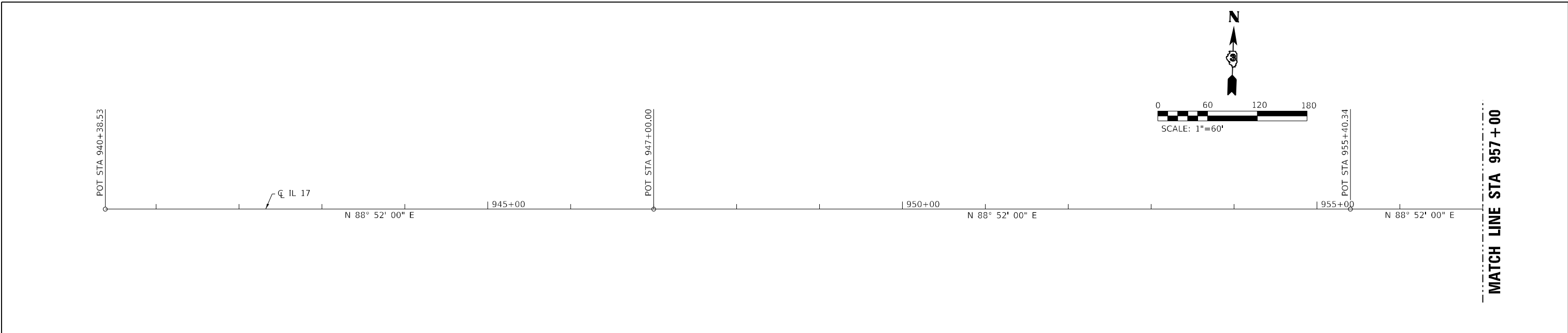
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ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

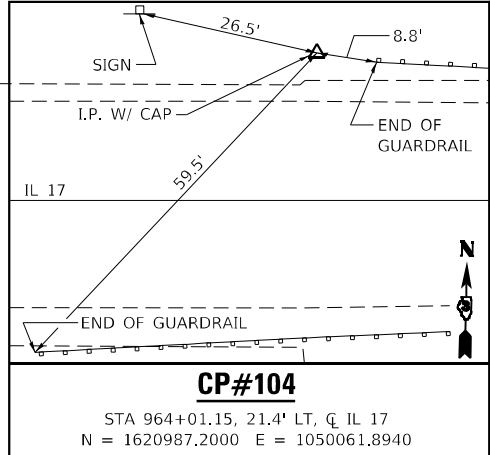
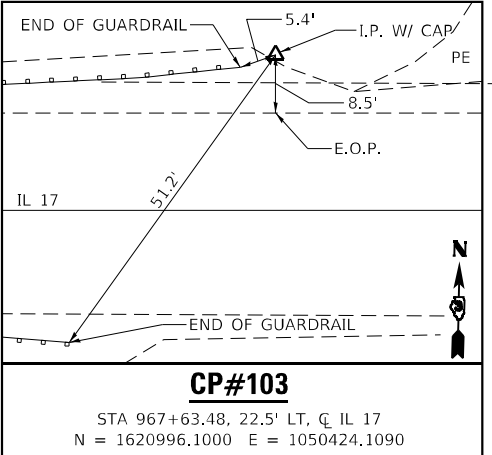
ALIGNMENT, TIES & BENCHMARKS
SCALE: 1"=60' SHEET NO. 1 OF 1 SHEETS STA. 760+50.0 TO STA. 806+00.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	15
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

MODEL_PLOT
FILE_NAME: Y:\H01\1352-02_66F88\CADD\Highway\CADD_Sheets\1352-02_66F88-sh-8102.dgn



BENCHMARK NAVD 88
 BENCHMARK - CHIS "X" ON TOP OF THE EXIST. NE WINGWALL OF SN 046-0032.
 17.9' LT OF CL IL 17, STA 966+33.28, EL 619.12



USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -




**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

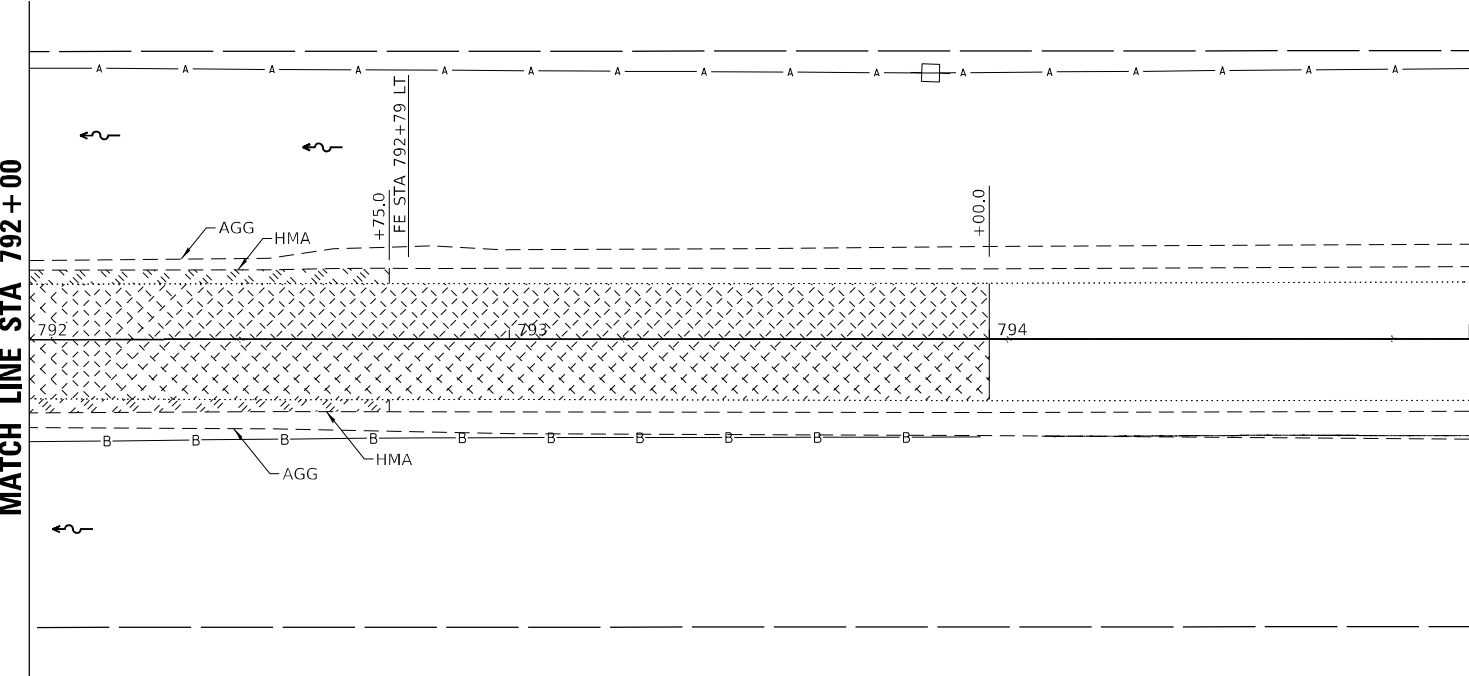
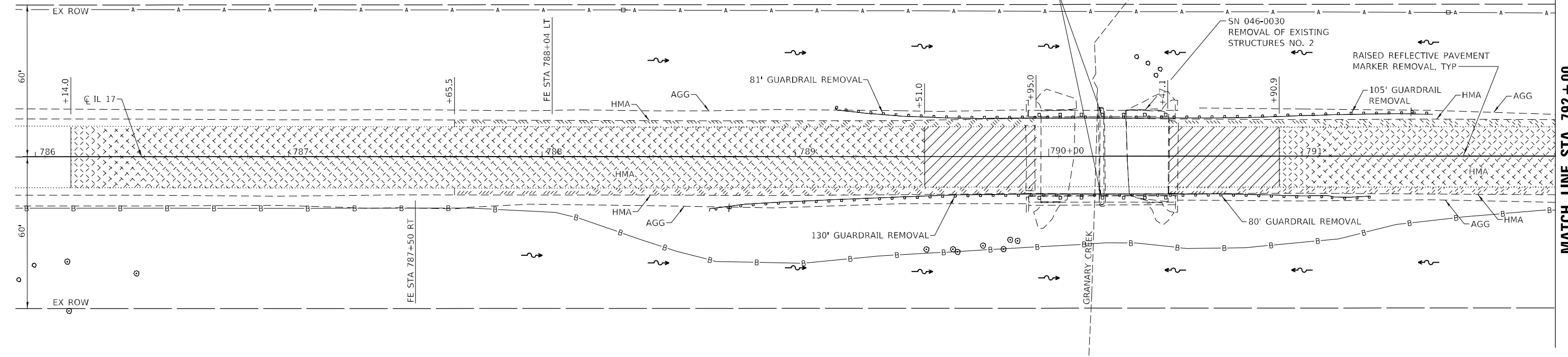
ALIGNMENT, TIES & BENCHMARKS
 SCALE: 1"=60' SHEET NO. 1 OF 1 SHEETS STA. 940+38.5 TO STA. 978+41.8

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	16
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



LEGEND

-  PAVEMENT REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
-  PAVED SHOULDER REMOVAL



MODEL_PLOT
FILE_NAME: Y:\PROJECTS\1352-02_66F88\CD\Highway\CADD_Sheets\1352-02_66F88-shr-com01.dgn



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/4/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

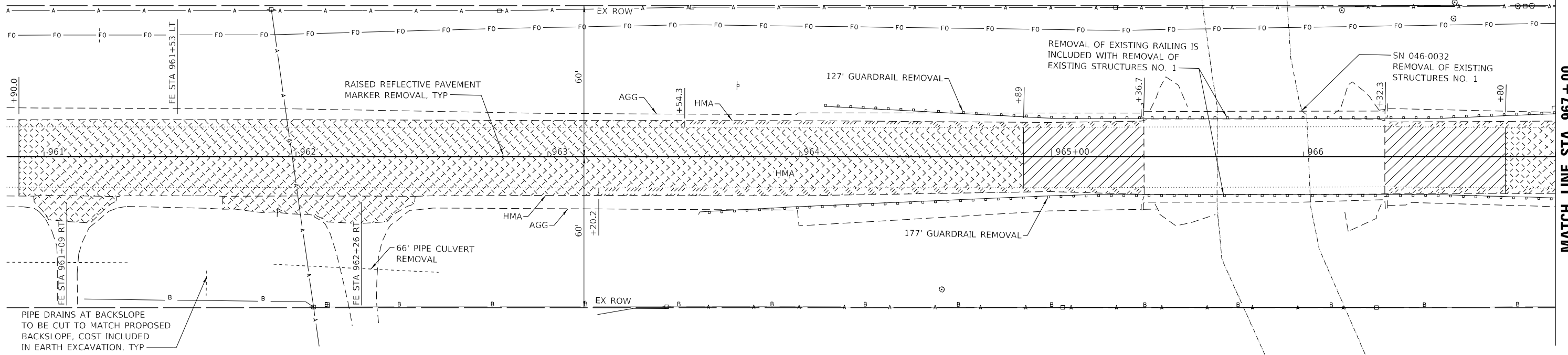
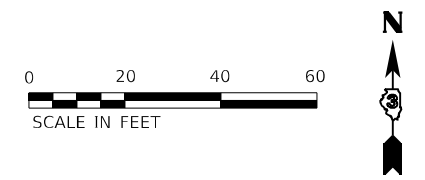
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
 (SN 046-2018)**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 785+92.2 TO STA. 795+00.0

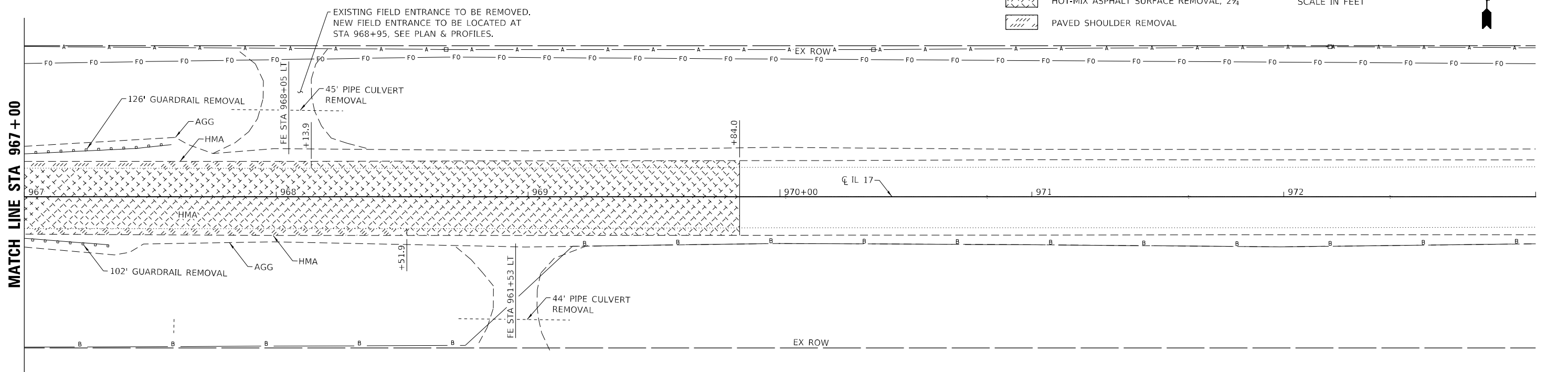
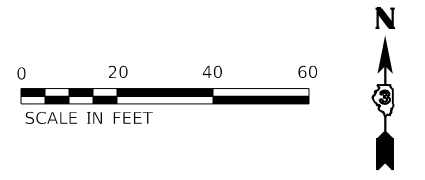
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	17
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



PIPE DRAINS AT BACKSLOPE TO BE CUT TO MATCH PROPOSED BACKSLOPE, COST INCLUDED IN EARTH EXCAVATION, TYP

LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- PAVED SHOULDER REMOVAL



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/4/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
 (SN 046-0161)**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 960+85.2 TO STA. 973+00.0

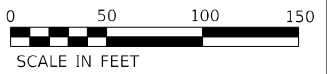
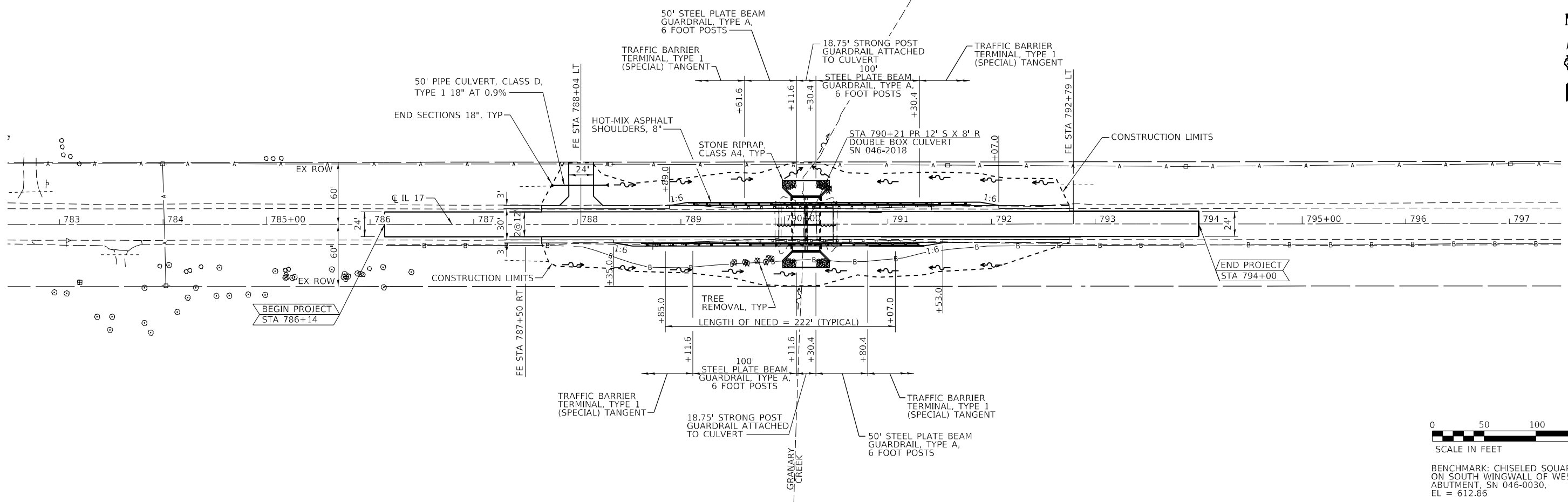
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	18
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

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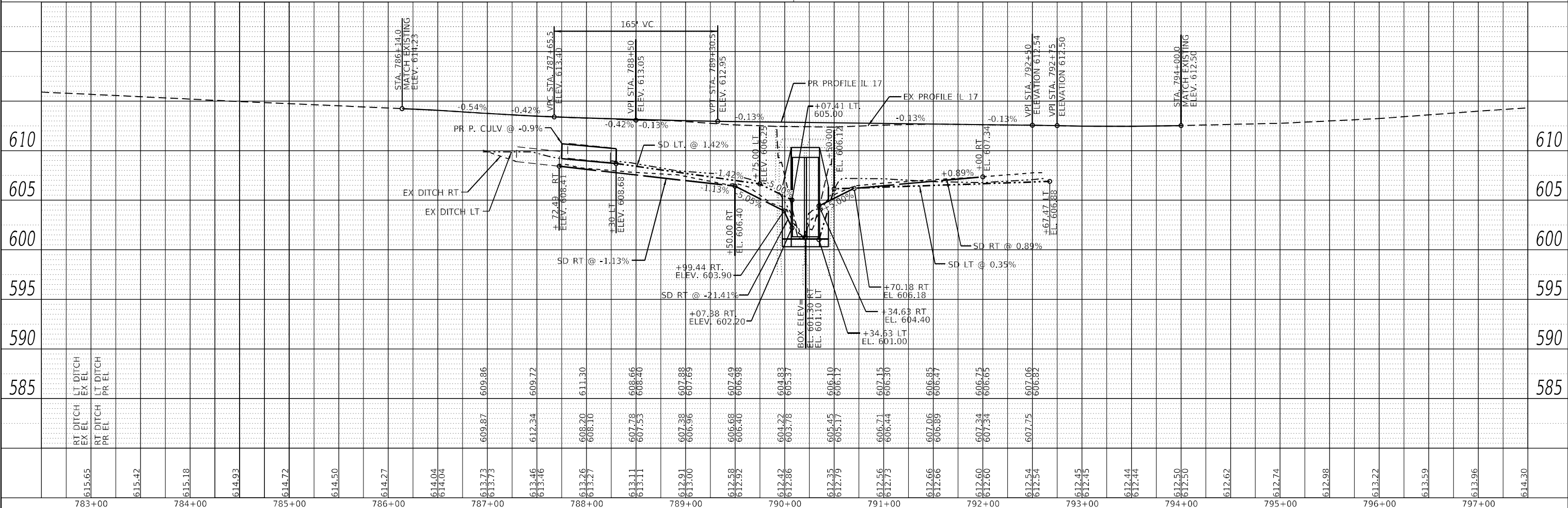
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	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

MODEL: Default
FILE NAME: Y:\0001\1352-02_66F88\CAD\Highway\CAD_Sheets\1352-02-66F88-sh-plnprf01.dwg



BENCHMARK: CHISELED SQUARE ON SOUTH WINGWALL OF WEST ABUTMENT, SN 046-0030, EL = 612.86



783+00	784+00	785+00	786+00	787+00	788+00	789+00	790+00	791+00	792+00	793+00	794+00	795+00	796+00	797+00
615.65	615.42	615.18	614.93	614.72	614.50	614.27	614.04	614.04	613.73	613.73	613.46	613.46	613.26	613.27
613.78	613.78	613.73	613.73	613.46	613.46	613.26	613.27	613.11	613.11	612.91	612.91	612.91	612.58	612.92
612.56	612.56	612.56	612.56	612.56	612.56	612.56	612.56	612.56	612.56	612.56	612.56	612.56	612.56	612.56



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 100,0000' / in.
PLOT DATE = 3/4/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

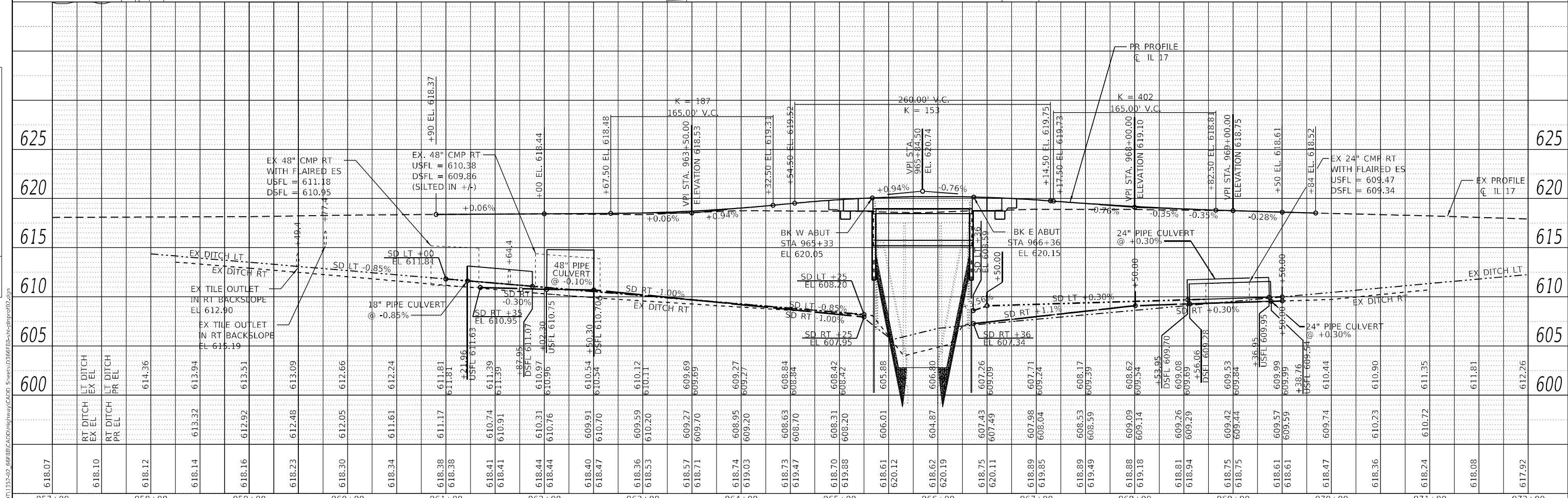
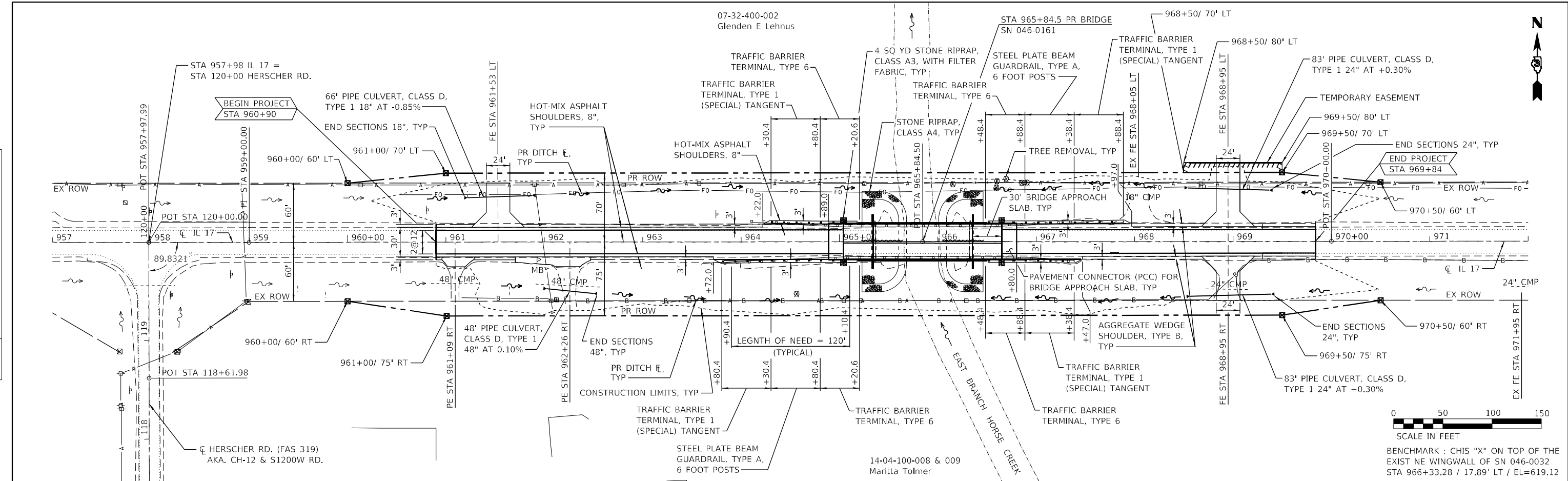
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 17 PLAN & PROFILE
(SN 046-2018)**
SCALE: AS NOTED SHEET NO. 1 OF 1 SHEETS STA. 782+50.0 TO STA. 797+50.0

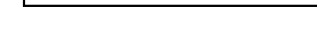
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	19
CONTRACT NO. 66F88			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



618.07	618.10	618.12	618.14	618.16	618.23	618.30	618.34	618.38	618.41	618.41	618.44	618.44	618.40	618.47	618.36	618.53	618.57	618.71	618.74	619.03	618.73	619.47	618.70	619.88	618.61	620.12	618.62	620.19	618.75	620.11	618.89	619.85	618.89	619.49	618.88	619.18	618.81	618.94	618.75	618.75	618.61	618.61	618.47	618.36	618.24	618.08	617.92
957+00	958+00	959+00	960+00	961+00	962+00	963+00	964+00	965+00	966+00	967+00	968+00	969+00	970+00	971+00	972+00																																



USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

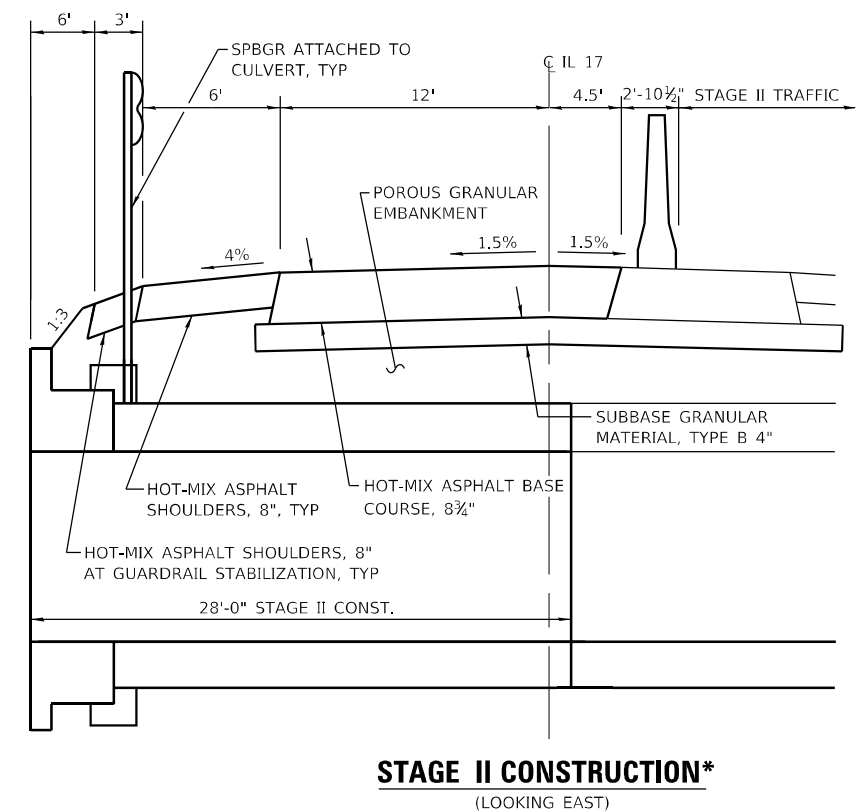
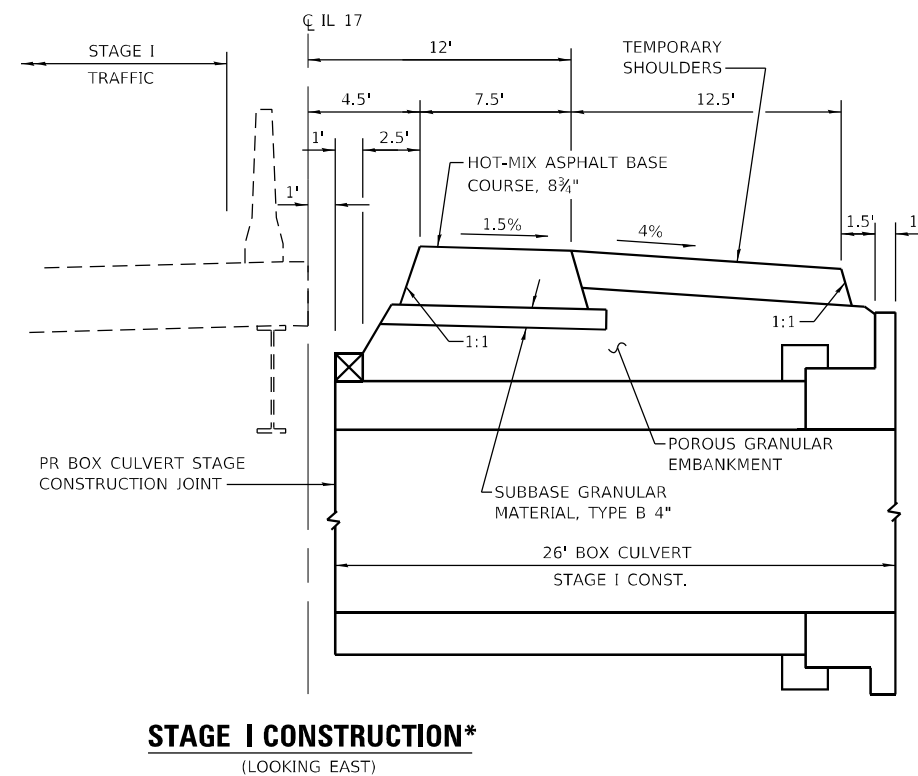
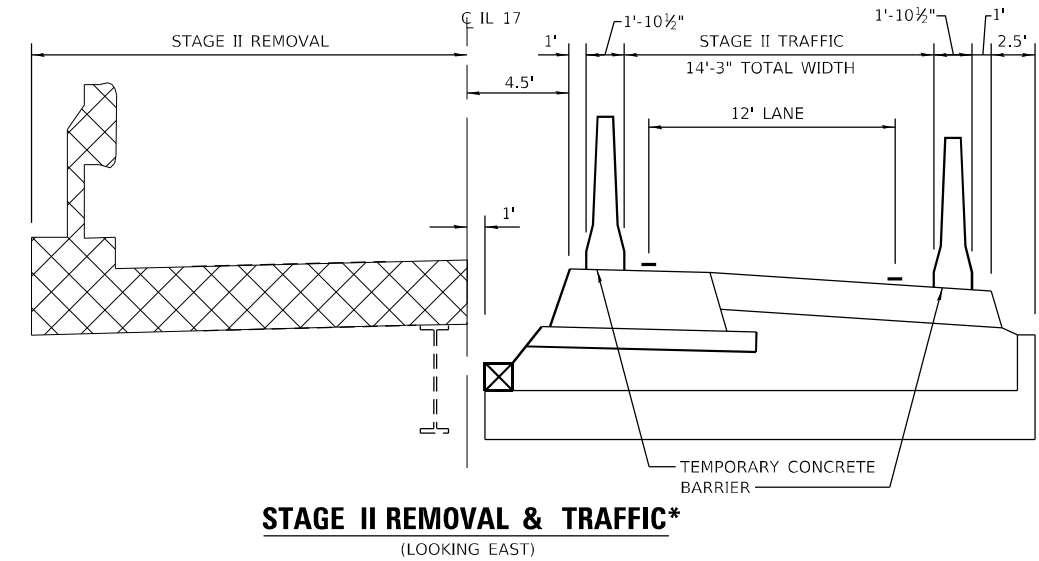
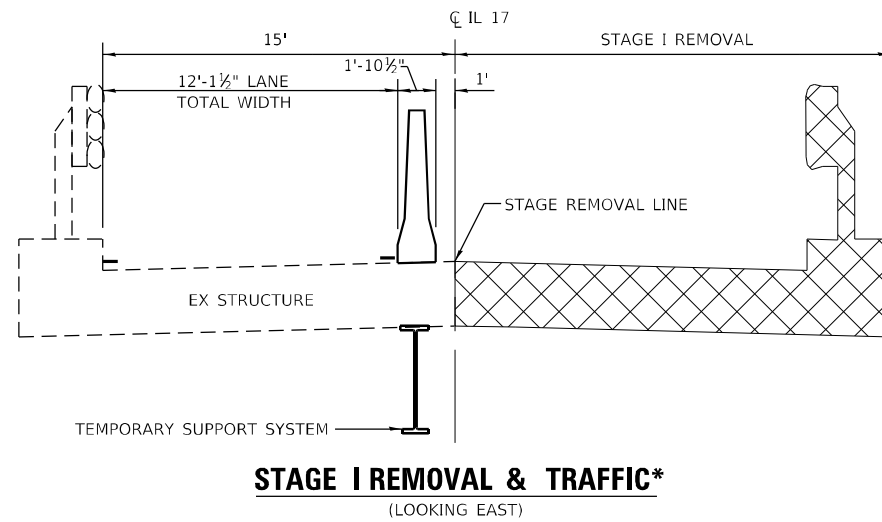
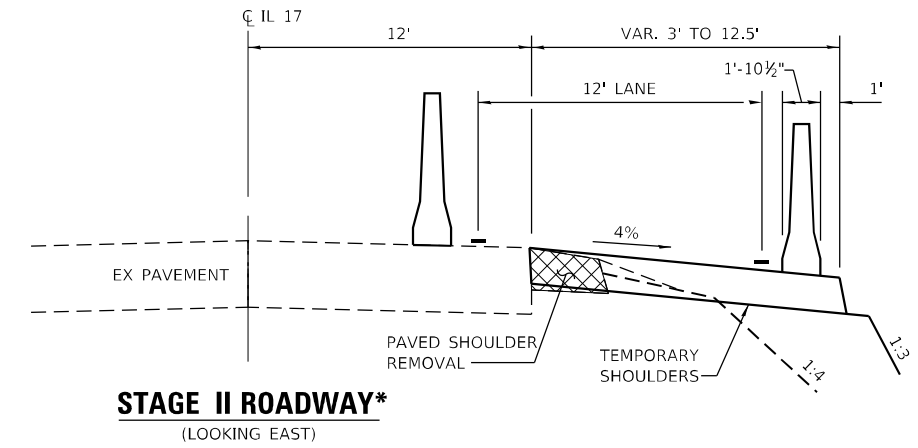
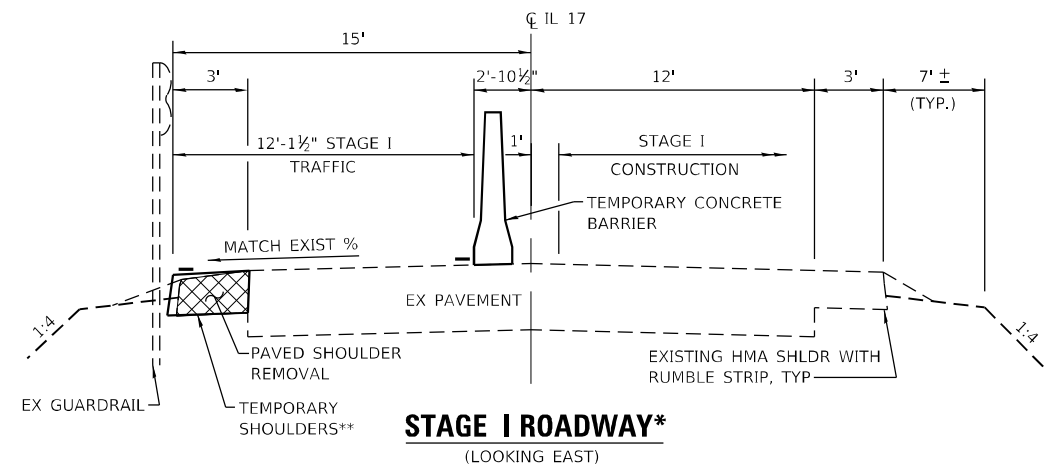
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 17 PLAN & PROFILE
(SN 046-0161)**

SCALE: AS NOTED SHEET NO. 1 OF 1 SHEETS STA. 957+00.0 TO STA. 972+00.0

F.A.P. RTE. 41	SECTION (13)BR-1 (12)BR	COUNTY KANKAKEE	TOTAL SHEETS 103	SHEET NO. 20
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

MODEL: Defaulr
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* SEE SHEET 22 FOR STATIONING
** PRE-STAGE 1

MODEL: PLOT
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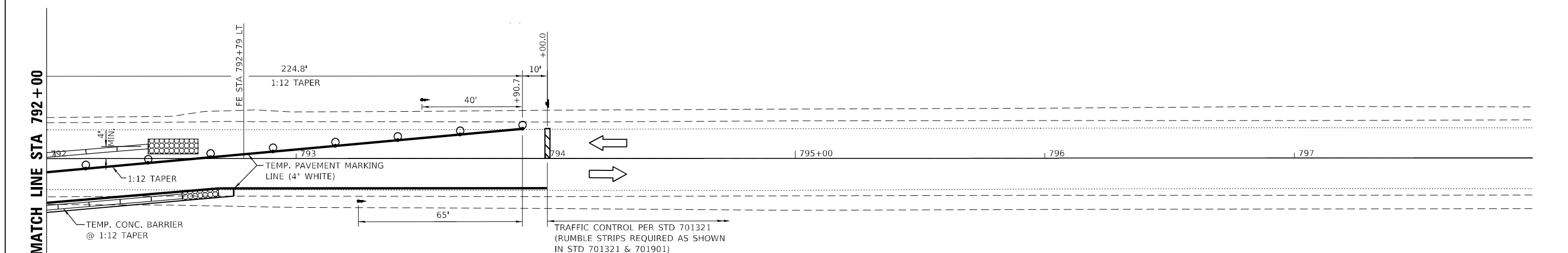
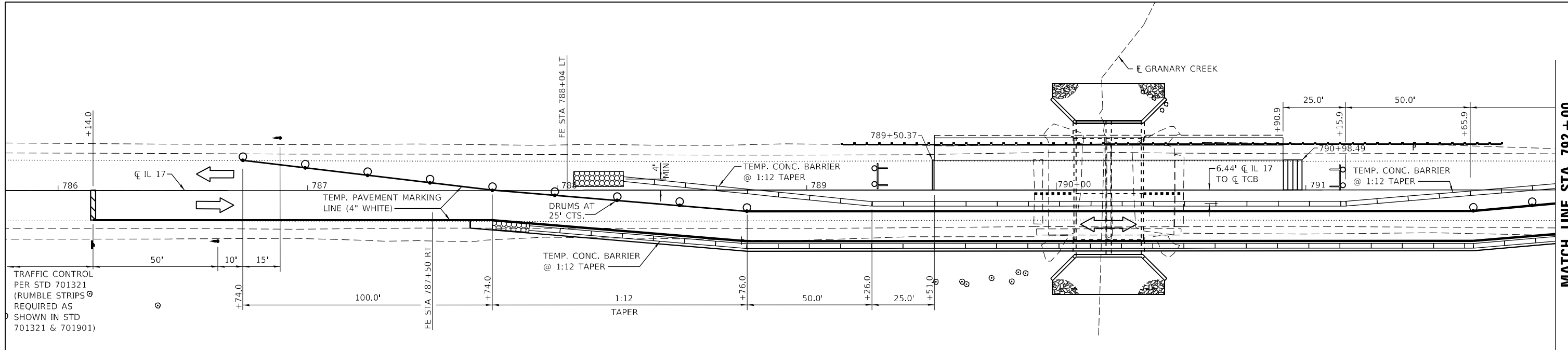
USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION TYPICAL SECTIONS
(SN 046-2018)

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	21
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



STAGE II PLAN

STAGE II NOTES

- RELOCATE AND PLACE STAGE CONTROL DEVICES TO MEET THE STAGE II CONFIGURATION. OPEN THE EASTBOUND LANE OF IL 17 AT THE NEWLY CONSTRUCTED CULVERT, MAINTAIN ONE LANE TWO-WAY TRAFFIC ON THIS LANE FOR THE DURATION OF STAGE II WITH TEMPORARY TRAFFIC SIGNALS.
- BUILD THE REMAINDER OF THE CULVERT AND INSTALL SPBGR ATTACHED TO CULVERT FOR THE WESTBOUND LANE. TEMPORARY SHOULDERS WILL HAVE TO BE REMOVED FOR PORTIONS OF THIS CONSTRUCTION.
- PROVIDE HMA BASE COURSE, 8 3/4" AND PERMANENT HMA SHOULDER LIFTS TO WITHIN 1 1/2" OF THE FINAL PROFILE GRADE FROM STA 789+51.0 TO STA 790+90.9.
- BUILD A CONSTANT SLOPE TEMPORARY HMA RAMP AS SHOWN ON THE STAGE II PLAN.
- BUILD REMAINDER OF PERMANENT SHOULDERS AND INSTALL GUARDRAIL FOR WESTBOUND LANE. HMA SHOULDERS AT GUARDRAIL STABILIZATION ARE TO BE CONSTRUCTED AT FINAL ELEVATION AND SLOPE.

POST-STAGE II NOTES

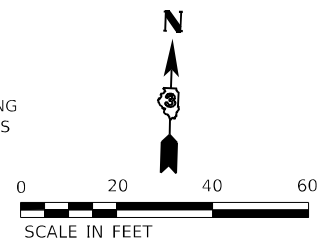
- UPON COMPLETION OF STAGE II CONSTRUCTION, REMOVE ALL STAGE II TRAFFIC CONTROL EXCEPT THE SOUTH PARALLEL TEMPORARY CONCRETE BARRIER AND ITS TWO RESPECTIVE IMPACT ATTENUATORS; REMOVE THE TAPERED PORTIONS OF THE SOUTH BARRIER, AND RELOCATE THE IMPACT ATTENUATORS TO EACH END OF THE REMAINING UN-TAPERED PORTION OF THE SOUTH TEMPORARY CONCRETE BARRIER.
- USING TRAFFIC CONTROL STANDARD 701306, INSTALL THE GUARD RAIL (INCLUDING POSTS MOUNTED TO TOP OF CULVERT) ADJACENT TO THE EASTBOUND LANE. IDEALLY, ALL THE GUARDRAIL ON TOP OF THE CULVERT AND ON THE APPROACHES CAN BE INSTALLED IN ONE DAYLIGHT PERIOD.
- REMOVE THE REMAINING TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS AFTER THE GUARDRAIL IS IN PLACE.
- USING TRAFFIC CONTROL STANDARD 701306, REMOVE TEMPORARY RAMPS, PORTIONS OF TEMPORARY SHOULDERS, AND COMPLETE THE FINAL PAVING AND ALL OTHER WORK AS SHOWN ON SHEET 19. PLACEMENT OF FINAL SHOULDER SURFACE WILL BE LIMITED TO A WIDTH EXTENDING TO THE FACE OF NEW GUARDRAIL WHERE APPLICABLE.

GENERAL NOTES

- DIMENSIONS TO TEMPORARY CONCRETE BARRIER IS TO THE CENTER OF BARRIER.
- ALL SIGNS, TRAFFIC CONTROL EQUIPMENT AND TEMPORARY PAVEMENT MARKINGS NOT PAID FOR ELSEWHERE SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR TRAFFIC CONTROL AND PROTECTION STANDARD 701321.
- ALL TEMPORARY TRAFFIC SIGNALS WILL BE MEASURED AS 1 (ONE) UNIT.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE STAGE TRAFFIC PATTERNS DURING ALL STAGES SHALL BE REMOVED VIA WATER BLASTING.
- ALL TRAFFIC CONTROL ITEMS NOT SHOWN ON STAGE I AND STAGE II PLAN VIEWS SHALL BE PER THE REQUIREMENTS OF STANDARD 701321.
- ALL EXCAVATION AND EMBANKMENT REQUIRED TO CONSTRUCT THE ELEMENTS IN EACH CONSTRUCTION STAGE SHALL BE PROVIDED AS REQUIRED IN THAT STAGE.
- DURING THE STAGES OF CONSTRUCTION TEMPORARY ACCESS FIELD ENTRANCES WILL BE BUILT AT THE DISCRETION AND LOCATION SPECIFIED BY THE RESIDENT ENGINEER DUE TO BLOCKED ACCESS AT THE FIELD ENTRANCES AT STA 787+50 RT, STA 788+04 LT, AND STA 792+79 LT. TEMPORARY ACCESS ENTRANCES WILL INCLUDE AGGREGATE FOR TEMPORARY ACCESS AND PIPE CULVERTS, CLASS D, TYPE 1 (TEMPORARY).

LEGEND

- TWO-WAY STAGE TRAFFIC
- ONE-WAY TRAFFIC
- TEMPORARY TRAFFIC SIGNAL W/ BACKPLATE. DIRECTION AS INDICATED
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHTS (PLACE WHEN NO WORK IS BEING PERFORMED)
- TEMPORARY RAMP (1:40)
- IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3



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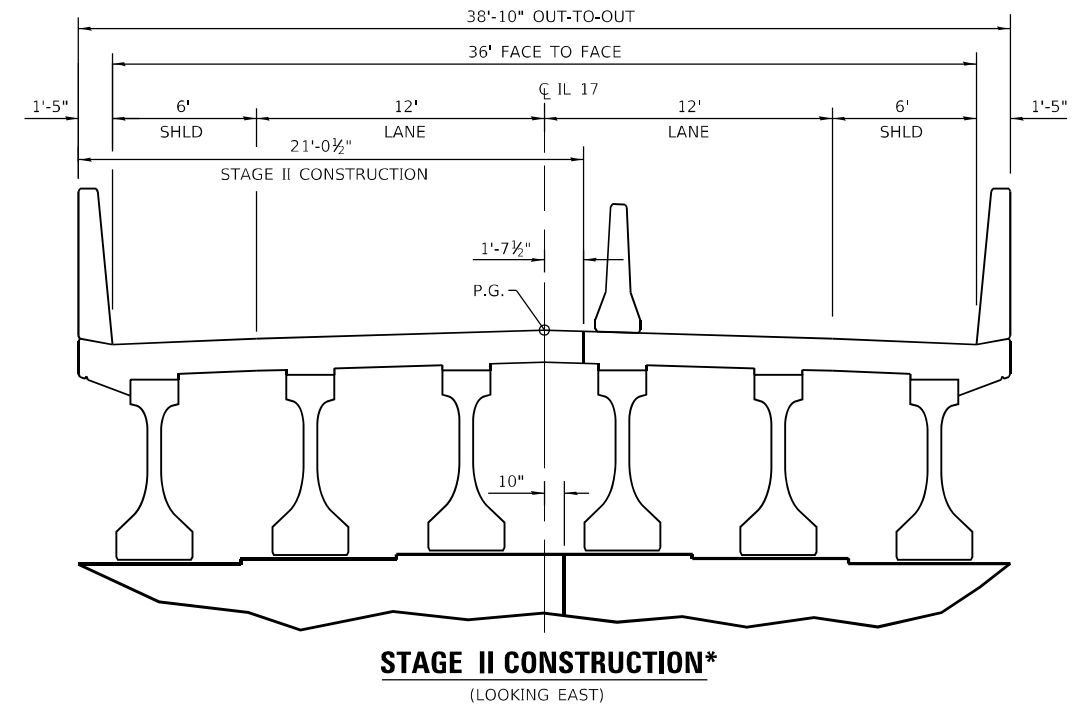
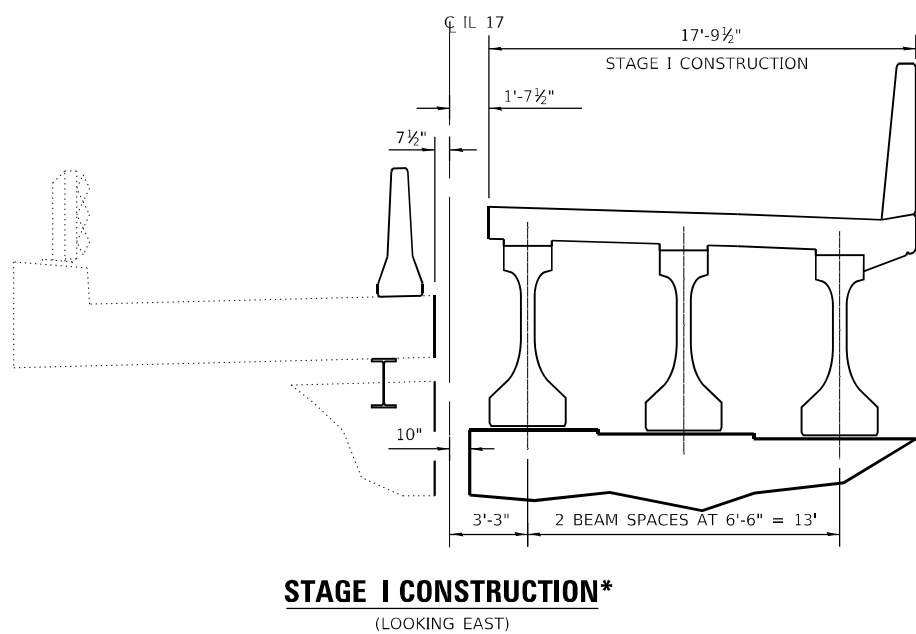
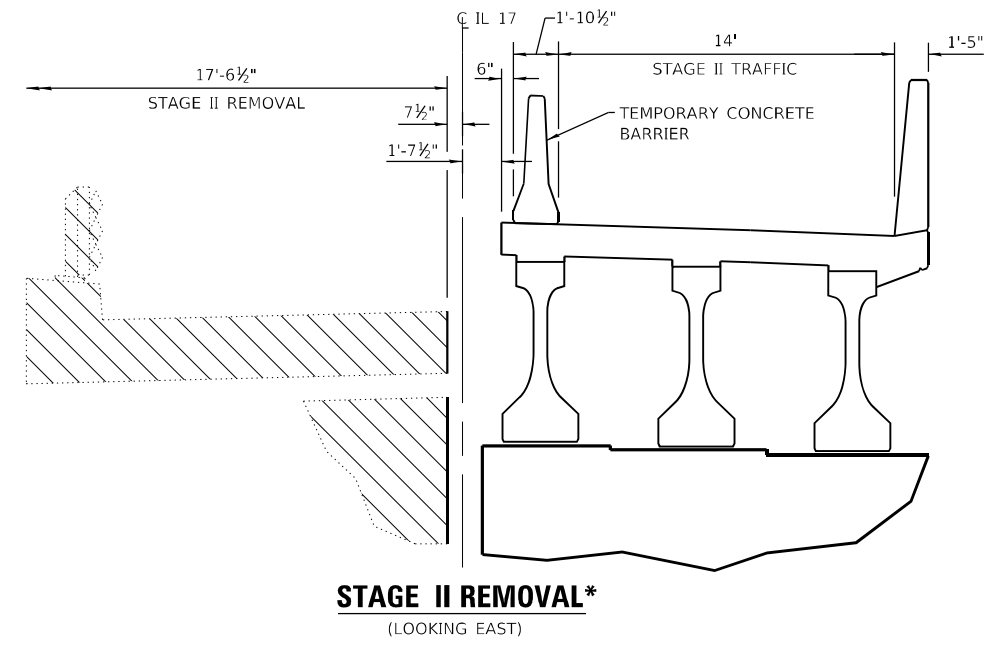
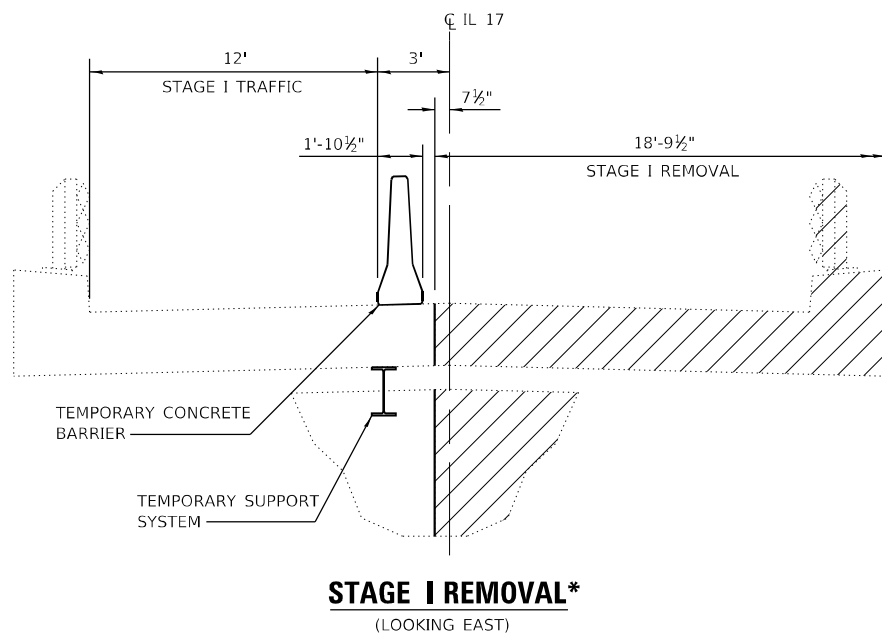
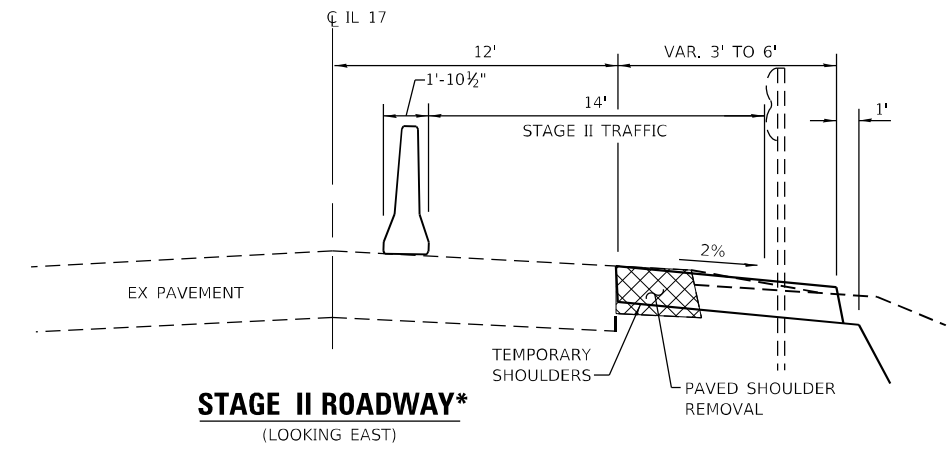
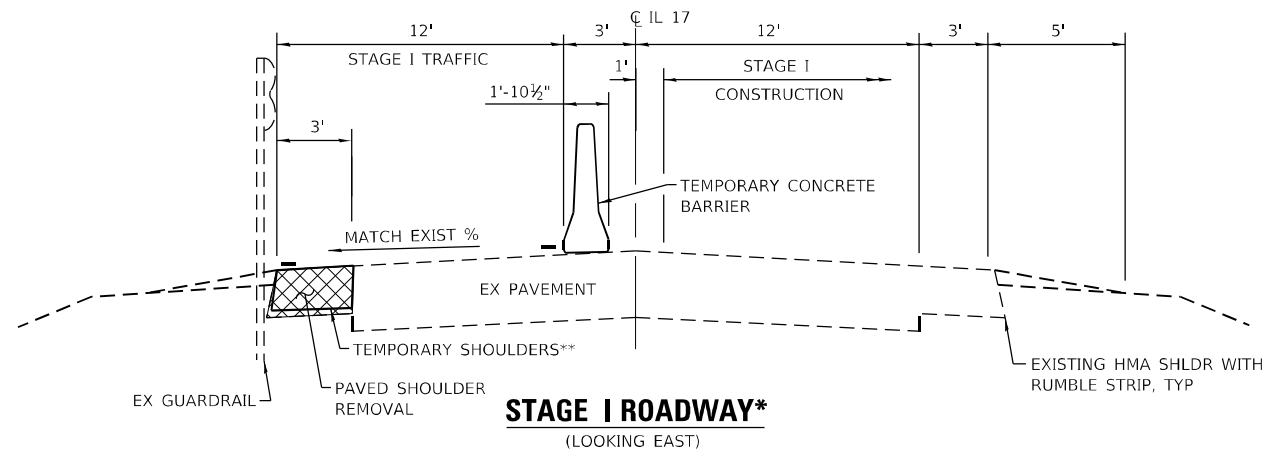
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ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE II TRAFFIC CONTROL
(SN 046-2018)**

SCALE: 1"=20' SHEET NO. 3 OF 3 SHEETS STA. 785+78.8 TO STA. 797+95.3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	23
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



* SEE SHEET 25 FOR STATIONING
** PRE-STAGE I

MODEL_PLOT
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USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
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PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

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DRAWN - SMA	REVISED -
CHECKED - RDP/SKM	REVISED -
DATE - 03/21	REVISED -

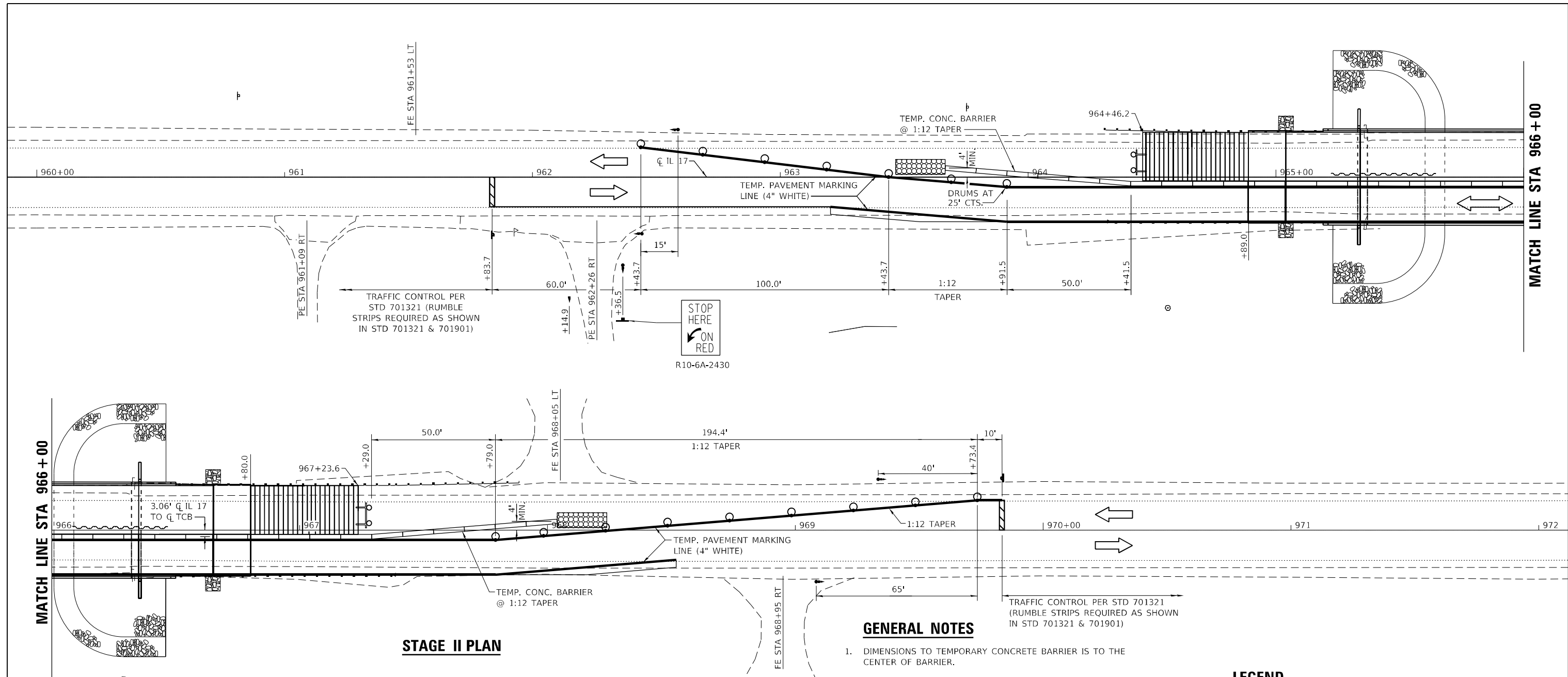
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION TYPICAL SECTIONS
(SN 046-0161)

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	24
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

MODEL_PLOT
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STAGE II PLAN

STAGE II NOTES

- RELOCATE AND PLACE STAGE CONTROL DEVICES TO MEET THE STAGE II CONFIGURATION. OPEN THE EASTBOUND LANE OF IL 17 AT THE NEWLY CONSTRUCTED BRIDGE. MAINTAIN ONE LANE TWO-WAY TRAFFIC ON THIS LANE FOR THE DURATION OF STAGE II WITH TEMPORARY TRAFFIC SIGNALS.
- BUILD THE REMAINDER OF THE BRIDGE, PCC PAVEMENT CONNECTORS AND APPROACH SLABS. TEMPORARY SHOULDERS WILL HAVE TO BE REMOVED FOR PORTIONS OF THIS CONSTRUCTION.
- BUILD A CONSTANT SLOPE TEMPORARY HMA RAMP AS SHOWN ON THE STAGE II PLAN.
- BUILD REMAINDER OF PERMANENT SHOULDERS AND INSTALL GUARDRAIL FOR WESTBOUND LANE. HMA SHOULDERS AT GUARDRAIL STABILIZATION ARE TO BE CONSTRUCTED AT FINAL ELEVATION AND SLOPE.

POST-STAGE II NOTES

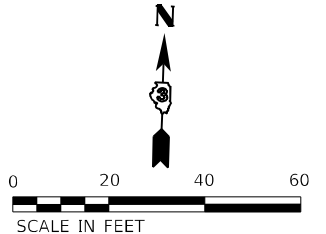
- REMOVE TEMPORARY RAMPS, TEMPORARY GUARDRAIL, TEMPORARY SHOULDERS AT PROPOSED PAVEMENT CONNECTORS AND APPROACH SLABS AND COMPLETE ALL FINAL WORK AS SHOWN ON SHEET 20.
- THE POST STAGE II WORK SHALL BE COMPLETED UNDER TRAFFIC CONTROL ACCORDING TO STANDARD 701306.

GENERAL NOTES

- DIMENSIONS TO TEMPORARY CONCRETE BARRIER IS TO THE CENTER OF BARRIER.
- ALL SIGNS, TRAFFIC CONTROL EQUIPMENT AND TEMPORARY PAVEMENT MARKINGS NOT PAID FOR ELSEWHERE SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR TRAFFIC CONTROL AND PROTECTION STANDARD 701321.
- ALL TEMPORARY TRAFFIC SIGNALS WILL BE MEASURED AS 1 (ONE) UNIT. TEMPORARY TRAFFIC SIGNALS SHALL BE A 3-PHASE SIGNAL WITH ACTIVATION PROVIDED FOR PE AT STA 962+26 RT.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE STAGE TRAFFIC PATTERNS DURING ALL STAGES SHALL BE REMOVED VIA WATER BLASTING.
- ALL TRAFFIC CONTROL ITEMS NOT SHOWN ON STAGE I AND STAGE II PLAN VIEWS SHALL BE PER THE REQUIREMENTS OF STANDARD 701321.
- ALL EXCAVATION AND EMBANKMENT REQUIRED TO CONSTRUCT THE ELEMENTS IN EACH CONSTRUCTION STAGE SHALL BE PROVIDED AS REQUIRED IN THAT STAGE.
- DURING THE STAGES OF CONSTRUCTION TEMPORARY ACCESS ENTRANCES WILL BE BUILT AT THE DISCRETION AND LOCATION SPECIFIED BY THE RESIDENT ENGINEER DUE TO BLOCKED ACCESS AT THE ENTRANCES AT STA 962+26 RT, STA 968+05 LT, AND STA 968+95 RT. TEMPORARY ACCESS ENTRANCES WILL INCLUDE AGGREGATE FOR TEMPORARY ACCESS AND PIPE CULVERTS, CLASS D, TYPE 1 (TEMPORARY).

LEGEND

- TWO-WAY STAGE TRAFFIC
- ONE-WAY TRAFFIC
- TEMPORARY TRAFFIC SIGNAL W/ BACKPLATE, DIRECTION AS INDICATED
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHTS (PLACE WHEN NO WORK IS BEING PERFORMED)
- TEMPORARY RAMP (1:40)
- IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/4/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

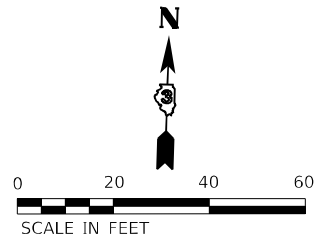
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE II TRAFFIC CONTROL
(SN 046-0161)**

SCALE: 1"=20' SHEET NO. 3 OF 3 SHEETS STA. 959+88.1 TO STA. 972+12.0

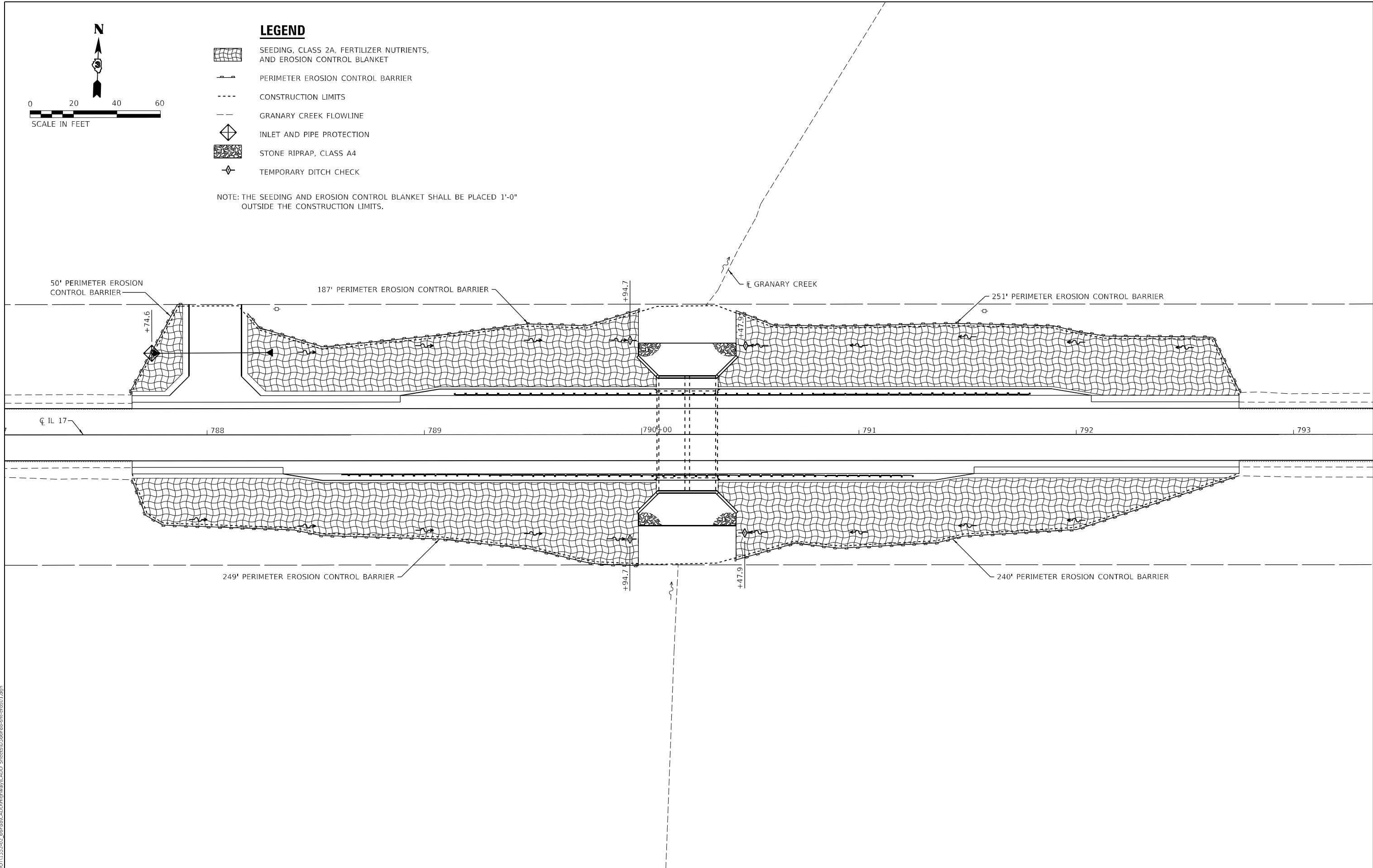
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	26
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



LEGEND

- SEEDING, CLASS 2A, FERTILIZER NUTRIENTS, AND EROSION CONTROL BLANKET
- PERIMETER EROSION CONTROL BARRIER
- CONSTRUCTION LIMITS
- GRANARY CREEK FLOWLINE
- INLET AND PIPE PROTECTION
- STONE RIPRAP, CLASS A4
- TEMPORARY DITCH CHECK

NOTE: THE SEEDING AND EROSION CONTROL BLANKET SHALL BE PLACED 1'-0" OUTSIDE THE CONSTRUCTION LIMITS.



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ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/4/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
(SN 046-2018)**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 787+06.8 TO STA. 793+36.8

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	27
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



197' PERIMETER EROSION CONTROL BARRIER

397' PERIMETER EROSION CONTROL BARRIER

+18.2

960+00

961

962

963

964

965+00

MATCH LINE STA 966 + 00

139' PERIMETER EROSION CONTROL BARRIER

349' PERIMETER EROSION CONTROL BARRIER

+98.2

+58.4

+64.3

LEGEND

- SEEDING, CLASS 2A, FERTILIZER NUTRIENTS, AND EROSION CONTROL BLANKET
- PERIMETER EROSION CONTROL BARRIER
- CONSTRUCTION LIMITS
- EAST BRANCH HORSE CREEK FLOWLINE
- INLET AND PIPE PROTECTION
- STONE RIPRAP, CLASS A4
- TEMPORARY DITCH CHECK

NOTE: THE SEEDING AND EROSION CONTROL BLANKET SHALL BE PLACED 1'-0" OUTSIDE THE CONSTRUCTION LIMITS.

302' PERIMETER EROSION CONTROL BARRIER

233' PERIMETER EROSION CONTROL BARRIER

+40.8

MATCH LINE STA 966 + 00

966

967

968

969

970+00

971

CL IL 17



USER NAME = skm
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/5/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
 (SN 046-0161)**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 959+93.6 TO STA. 972+00.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	28
			CONTRACT NO. 66F88	
ILLINOIS FED. AID PROJECT				

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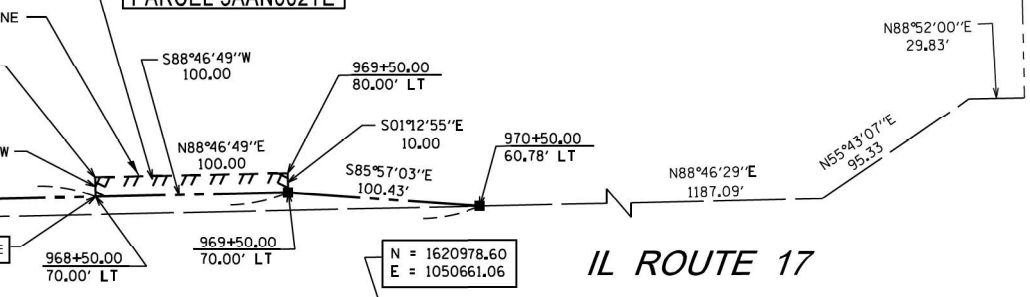
SOUTHEAST 1/4 OF SEC. 32, T. 31 N., R. 10 E., 3RD P.M.



PARCEL 3AAN002

TOTAL HOLDING = 77.300 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.202 AC. +/- (8811 S.F.)
 REMAINDER = 77.098 AC. +/-
 TEMPORARY EASEMENT = 0.023 AC +/- (1000 S.F.)

PARCEL 3AAN002TE



IL ROUTE 17

P.O.C. 3AAN001
 P.O.C. 3AAN002
 P.O.C. 3AAN002TE
 P.O.C. 3AAN003

FOUND IRON PIPE AT CORNER
 NORTHWEST CORNER OF ROW DEDICATION
 PARCEL 2 DESCRIBED IN DEDICATION
 RECORDED JUNE 16, 1958 IN BOOK 798 PAGE 319
 AS DOCUMENT 511559

N=1620955.19
 E=1049561.30

PARCEL 3AAN003

TOTAL HOLDING = 6.198 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.015 AC. +/- (655 S.F.)
 REMAINDER = 6.183 AC. +/-

PARCEL 3AAN001

PARCEL 3AAN001

TOTAL HOLDING = 153.533 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.328 AC. +/- (14,285 S.F.)
 REMAINDER = 153.205 AC. +/-

FOUND REBAR AT CORNER
 SOUTHEAST CORNER OF ROW DEDICATION
 DESCRIBED IN DEDICATION RECORDED
 MAY 28, 1958 IN BOOK 798 PAGE 299
 AS DOCUMENT 510747

SURVEYOR'S STATEMENT

I, CHRIS E. PETERSON, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF S.B.I. ROUTE 17 WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____

BY: CHRIS E. PETERSON, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3678 (EXPIRES NOV. 2022)

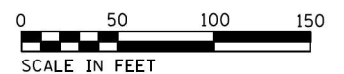


NOTE: GRID BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2011 ADJ.).

ALL AREAS ARE BASED ON GROUND MEASUREMENTS

COMBINED FACTOR = 0.99995479

TOTAL HOI DING ARFA TAKFN FROM TAX ASSESSOR (NOT SURVEYED)



NORTHWEST 1/4 OF SEC. 4, T. 30 N., R. 10 E., 3RD P.M.

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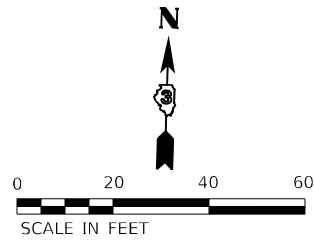
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PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN

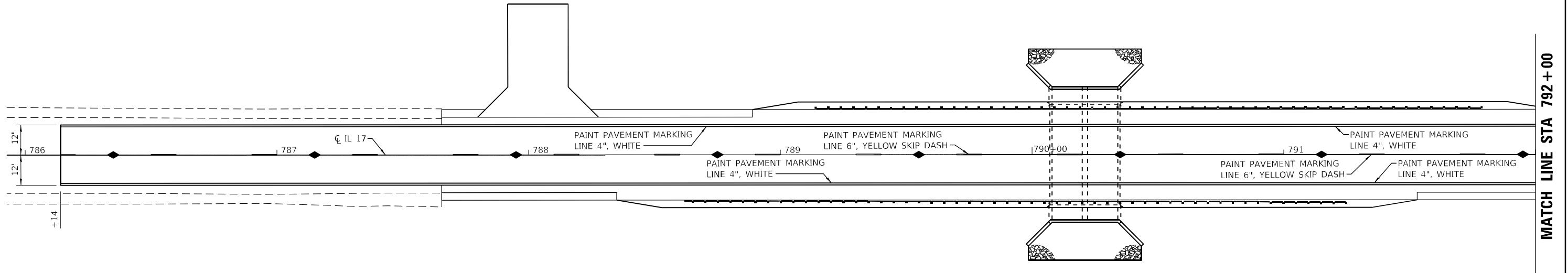
SCALE: NA SHEET NO. 1 OF 1 SHEETS STA. 957+97 TO STA. 983+46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	29
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

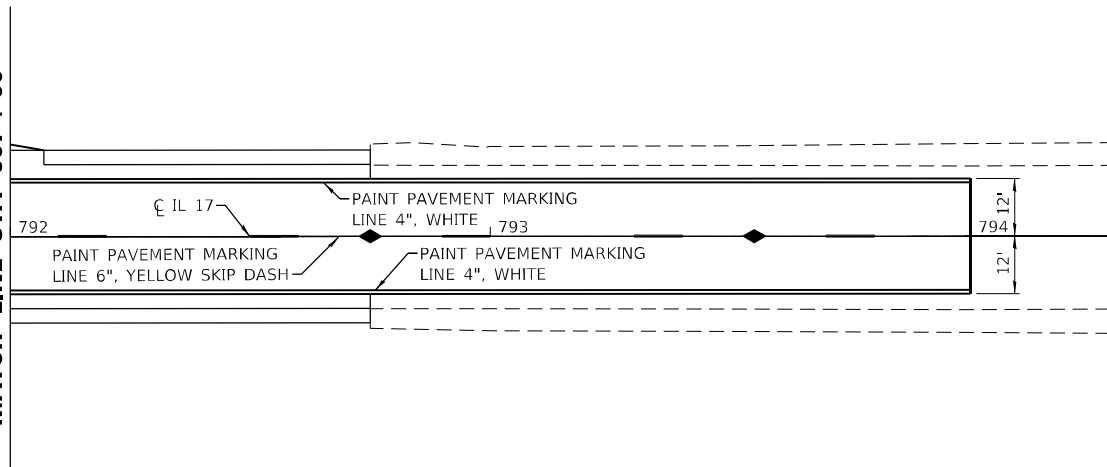


LEGEND

◆ RAISED REFLECTIVE PAVEMENT MARKER



MATCH LINE STA 967 + 00



MODEL_PLOT
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PLOT DATE = 3/4/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
(SN 046-2018)**

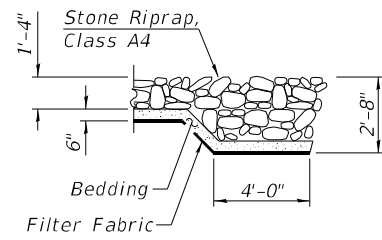
SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 785+92.7 TO STA. 794+28.2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	30
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

BENCHMARK: Chiseled square on South Wingwall of West Abutment, SN 046-0030, Elev. 612.86

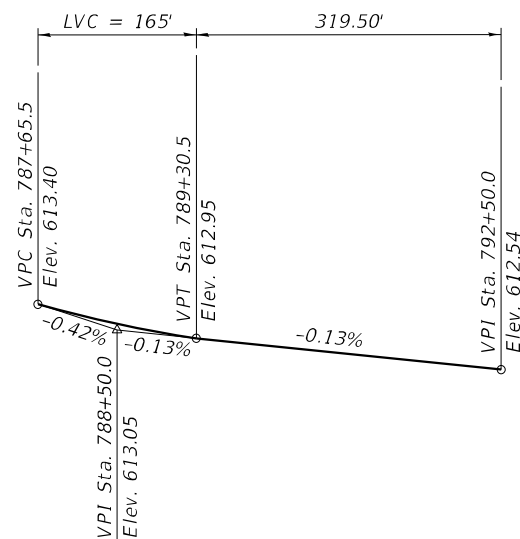
EXISTING STRUCTURE:
SN 046-00030 was originally built in 1959 as SBI-17, Section 13-BR. It is a two span 14½" reinforced concrete slab on pile supported open concrete abutments and a pier supported on a spread footing. The distance back to back of the abutments is 60'-0" and the clear distance between the bridge rails is 30'-0". There is no skew. In 1982 the concrete guardrails were replaced with tubular thrie beam rail. Traffic will be maintained using stage construction.

No salvage.

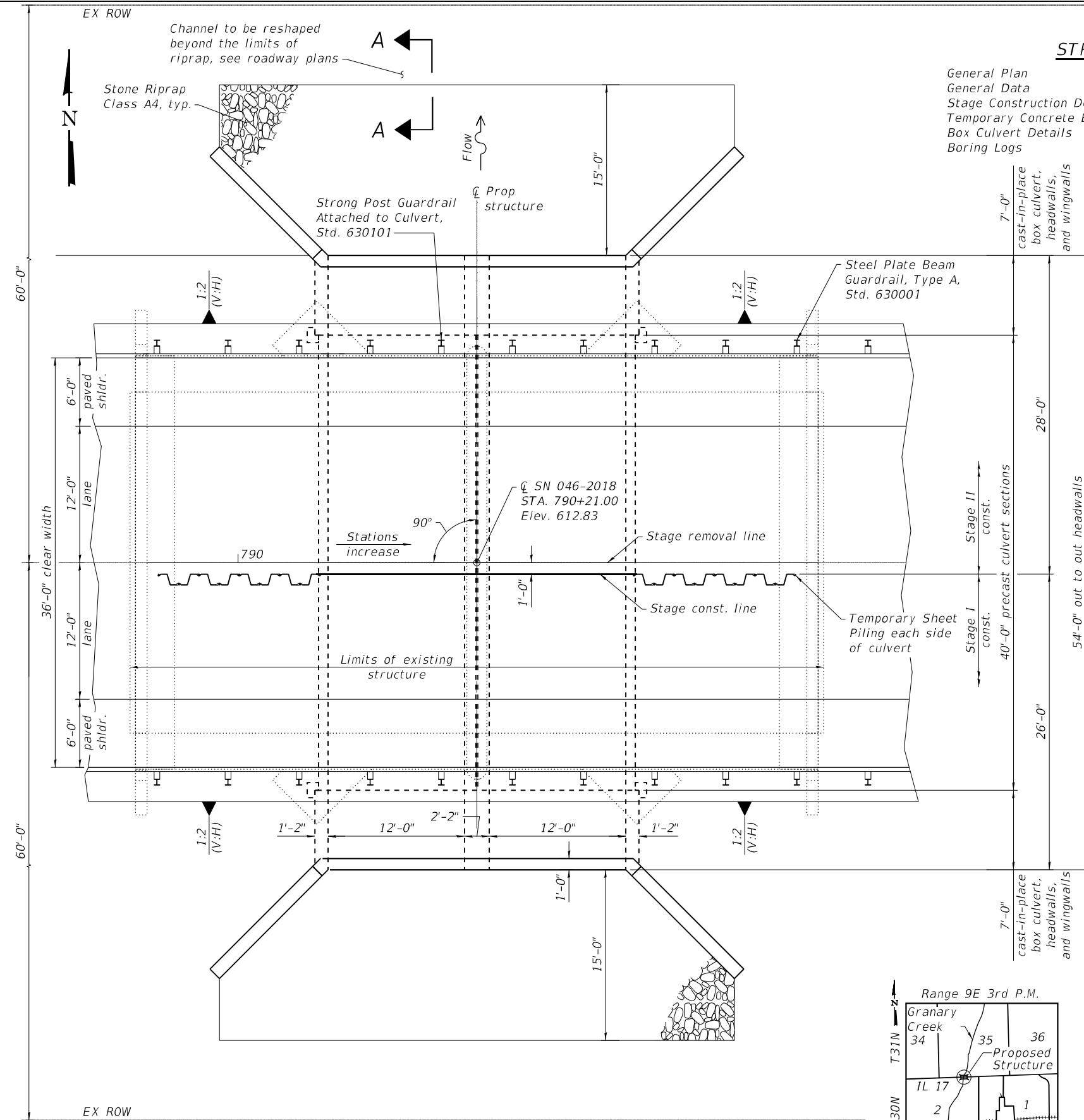


SECTION A-A

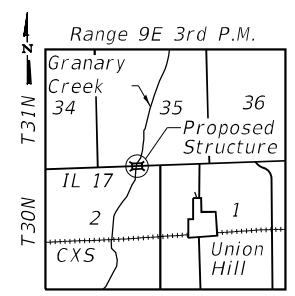
Boring 02



IL 17 PROFILE GRADE
(Along centerline roadway)



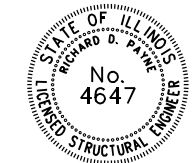
PLAN



LOCATION SKETCH

STRUCTURE INDEX OF SHEETS

General Plan	Sheet No. 1 of 10
General Data	Sheet No. 2 of 10
Stage Construction Details	Sheet No. 3-4 of 10
Temporary Concrete Barrier for Stage Construction	Sheet No. 5 of 10
Box Culvert Details	Sheet No. 6-8 of 10
Boring Logs	Sheet No. 9-10 of 10



Expires: 11-30-2022
Signature: Richard D. Pope
Date: 03-05-2021

DESIGN SPECIFICATIONS

2017 AASHTO LRFD
Bridge Design Specifications
8th Edition

LOADING HL-93

Allow 50 psf for future wearing surface

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (reinforcement)

GENERAL PLAN

IL 17 OVER GRANARY CREEK
FAP ROUTE 41 - SECTION 13BR-1
KANKAKEE COUNTY
STATION 790+21 IL 17
STRUCTURE NO. 046-2018

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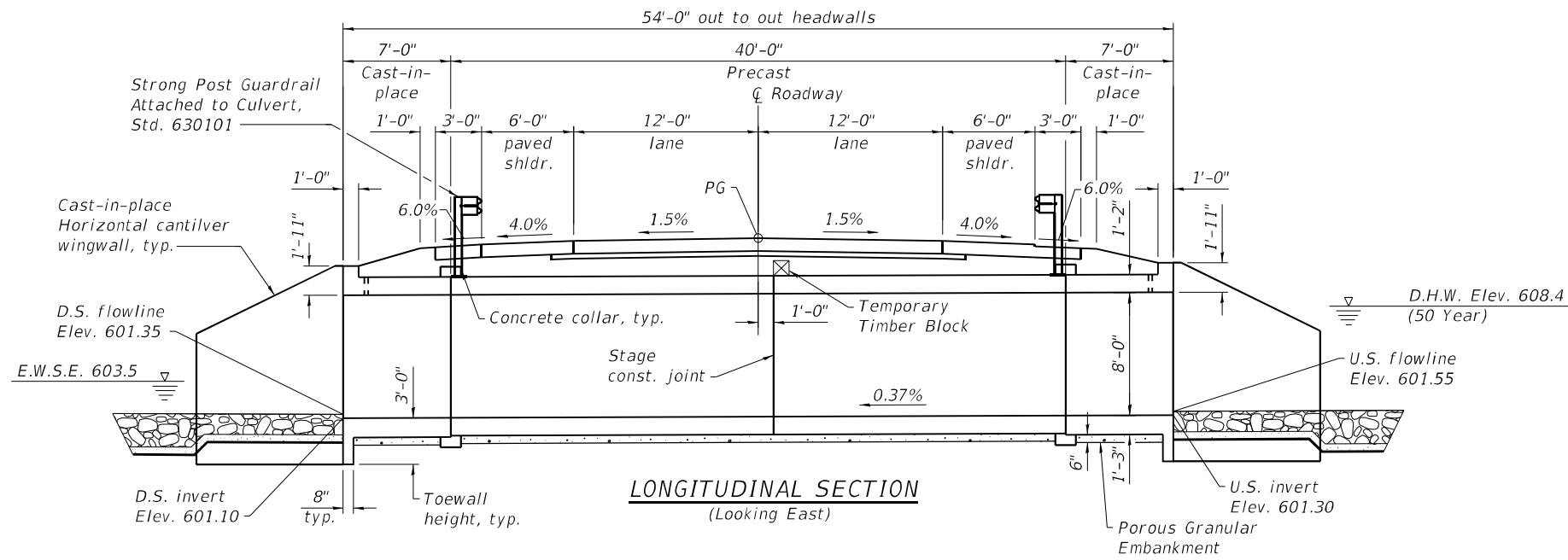


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PLOT DATE = 3/4/2021	CHECKED - RDP 11/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	13BR-1	KANKAKEE	103	32
CONTRACT NO. 66F88				

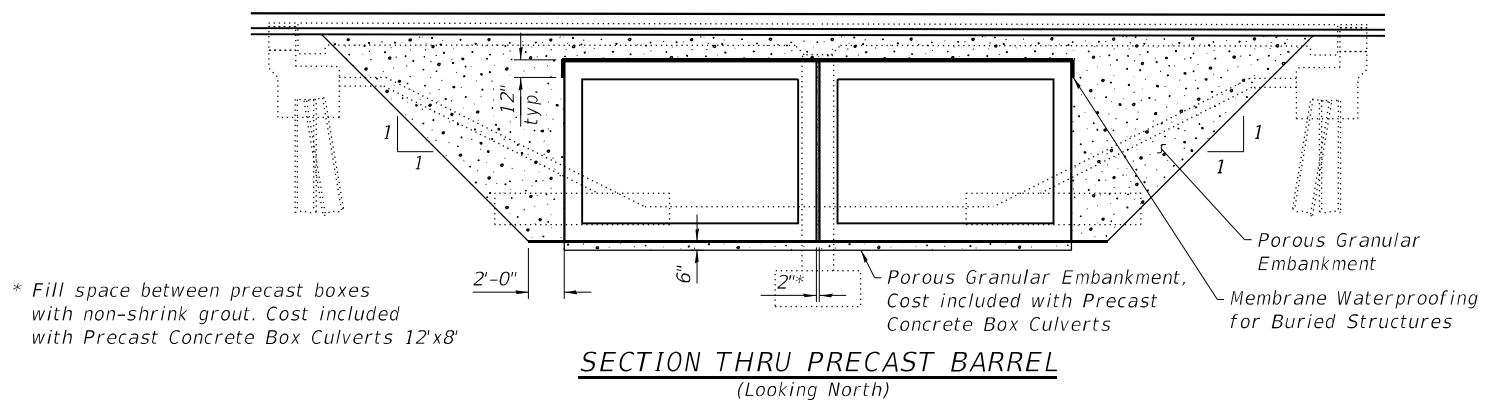


GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. Modify existing channel to match culvert at each end as directed by the Engineer, cost included in the pay item for Stone Riprap, Class A4.

STATION 790+21.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 41 SEC. 13BR-1
LOADING HL-93
STR. NO. 046-2018

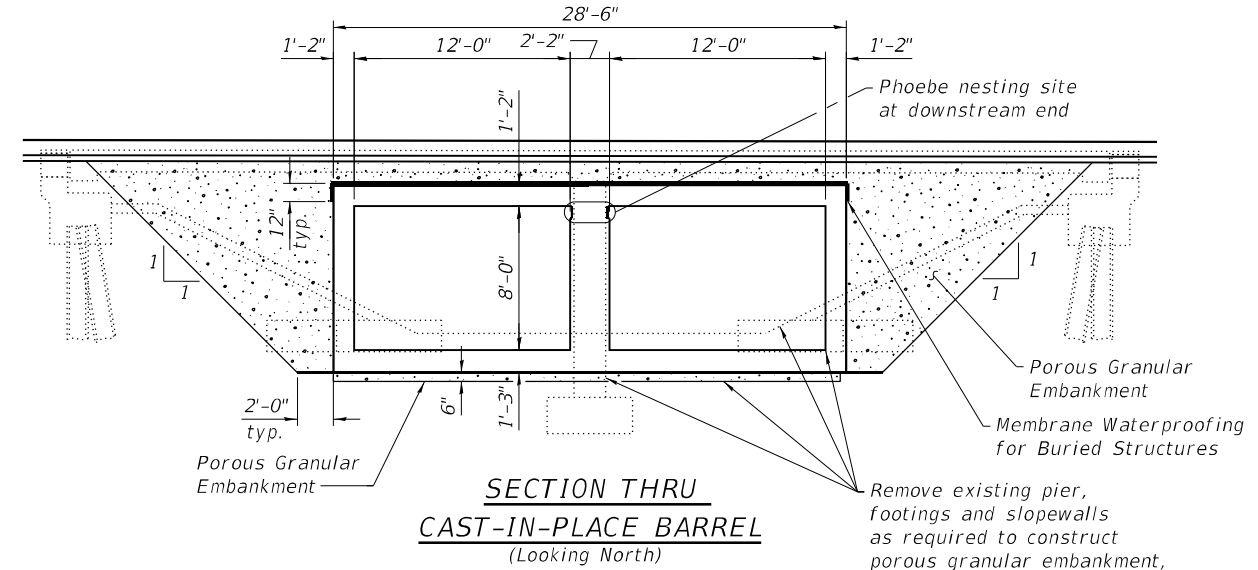
NAME PLATE
See Std. 515001



TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Porous Granular Embankment	Cu. Yd.	507
Stone Riprap, Class A4	Sq. Yd.	136
Filter Fabric	Sq. Yd.	136
Removal of Existing Structures No. 2	Each	1
Reinforcement Bars, Epoxy Coated	Pound	14340
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	521
Concrete Box Culverts	Cu. Yd.	88.5
Precast Concrete Box Culverts 12' x 8'	Foot	80
Membrane Waterproofing System for Buried Structures	Sq. Yd.	190
Temporary Support System, Location 2	Each	1

See roadway plans for quantities of Temporary Concrete Barrier, Earth Excavation, and Pavement Removal.



SN 046-2018 WATERWAY INFORMATION

Flood Event	Freq. Yr.	Discharge (C.F.S.)	Waterway Opening (Sq. ft.)		Natural H.W.E. (ft.)	Head (ft.)		Headwater Elev. (ft.)	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	322	163	150	607.8	0.3	0.0	608.1	607.8
Base	50	480	190	165	608.4	0.5	0.1	608.9	608.5
Scour Design Check	100	550	198	169	608.6	0.7	0.2	609.3	608.8
Overtop Existing	200	592	202	172	608.7	0.7	0.3	609.4	609.0
Overtop Proposed	-	-	-	-	-	-	-	-	-
Max. Calc.	500	713	211	177	608.9	1.0	0.5	609.9	609.4

10 Year Velocity through Existing Structure = 2.0 ft/s
10 Year Velocity through Proposed Structure = 2.1 ft/s

Notes: Excavation for construction of the box culvert, including the excavation necessary to construct the granular backfill, is included in Earth Excavation, see roadway plans.

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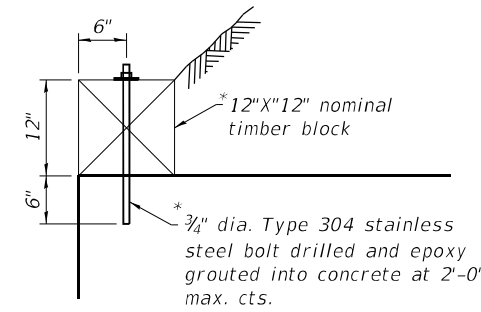
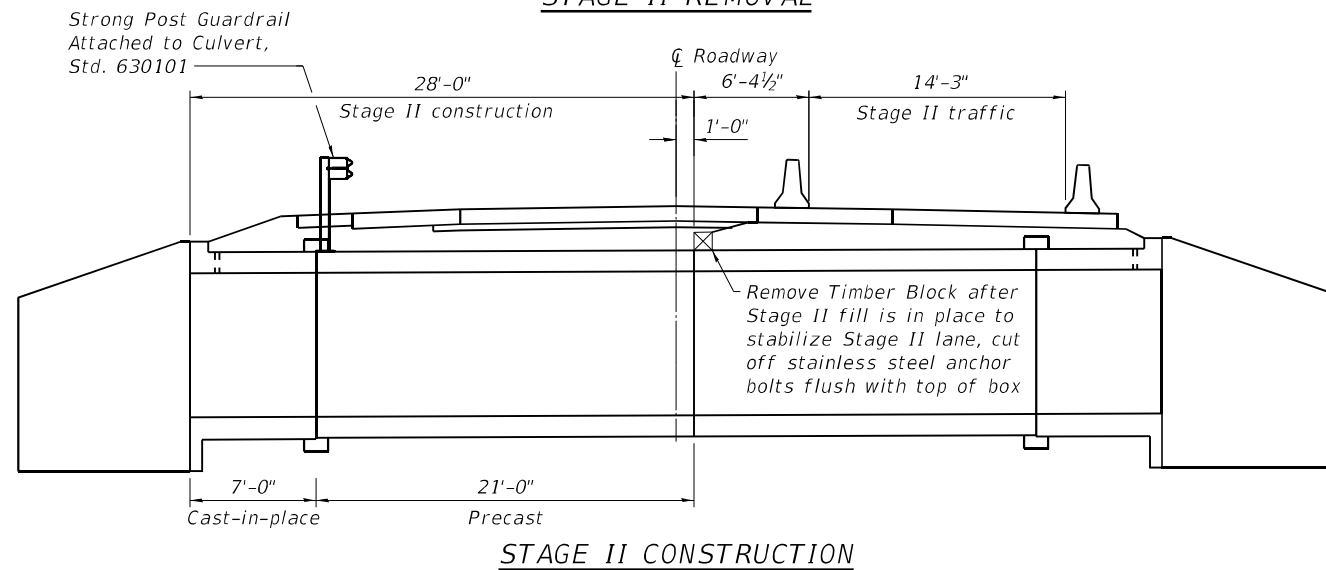
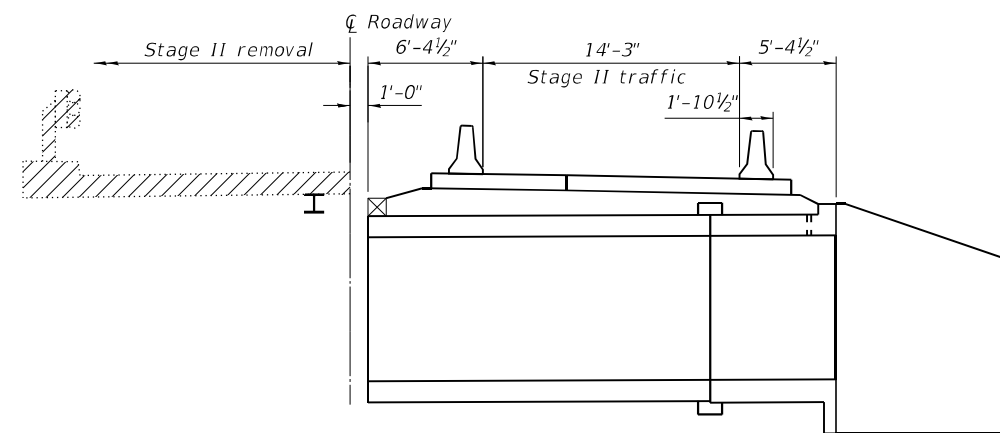
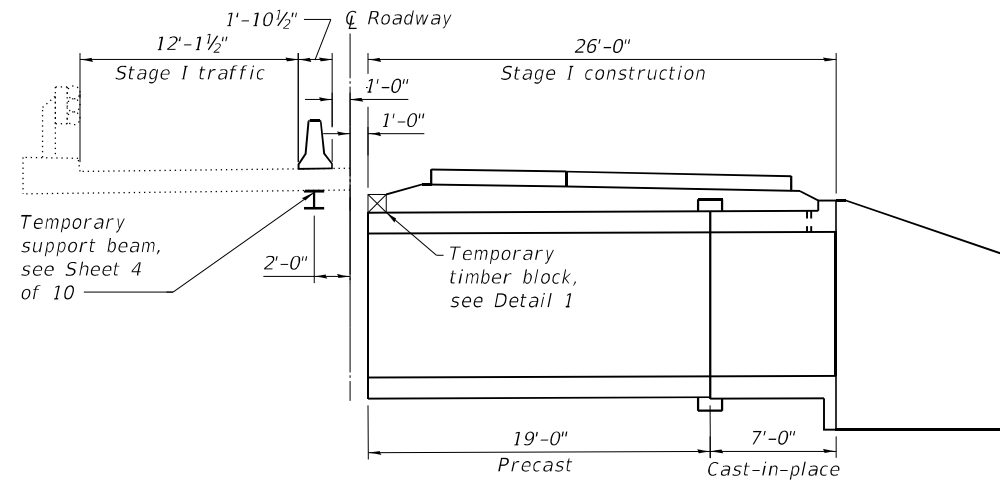
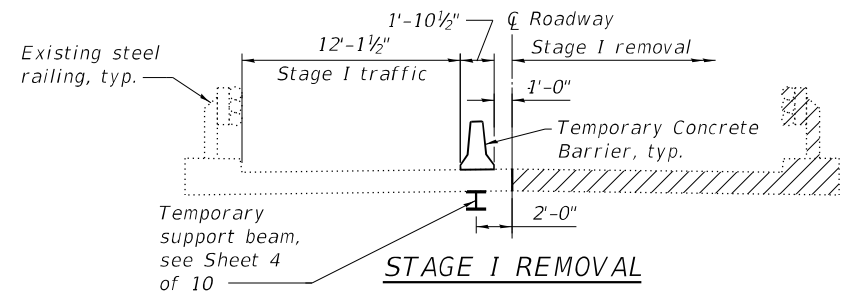


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PLOT DATE = 3/10/2021	CHECKED - RDP 11/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
STRUCTURE NO. 046-2018**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	13BR-1	KANKAKEE	103	33
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



* Cost of installation and removal included with Precast Concrete Box Culverts

DETAIL 1

STAGE CONSTRUCTION NOTES

1. All staging sections looking east.
2. Hatched areas indicate removal.
3. See roadway plans for quantity of Temporary Concrete Barrier.

Note: Install Permanent Guardrail on South side of Roadway Post - Stage II

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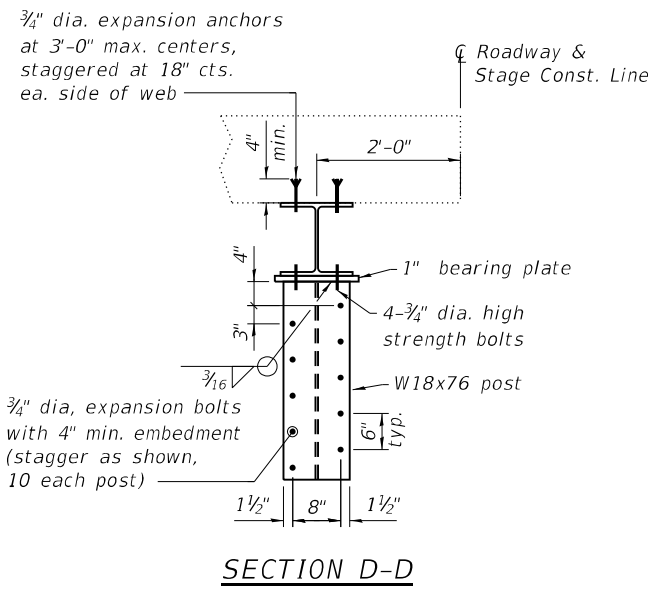
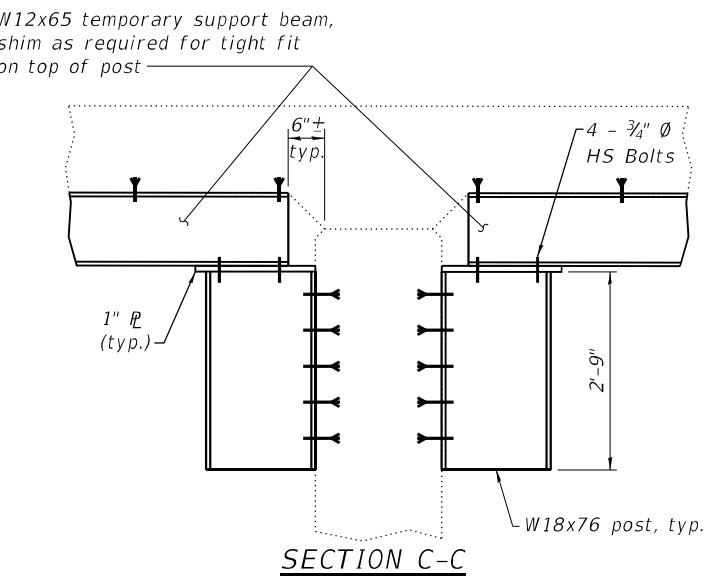
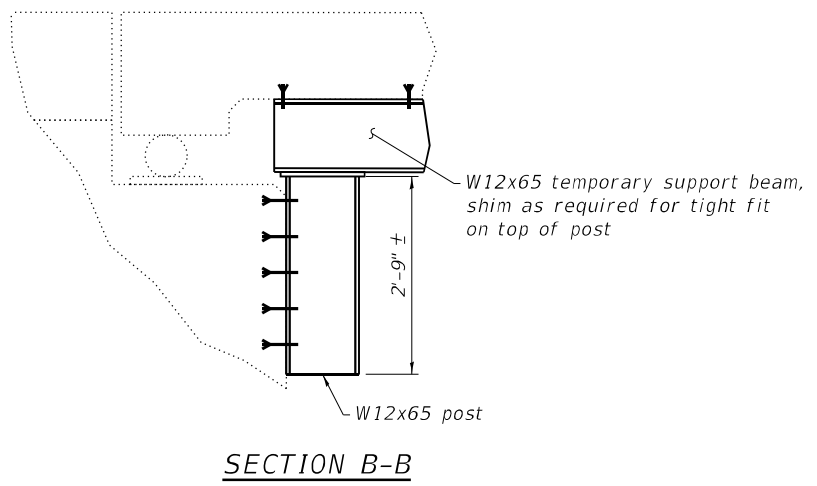
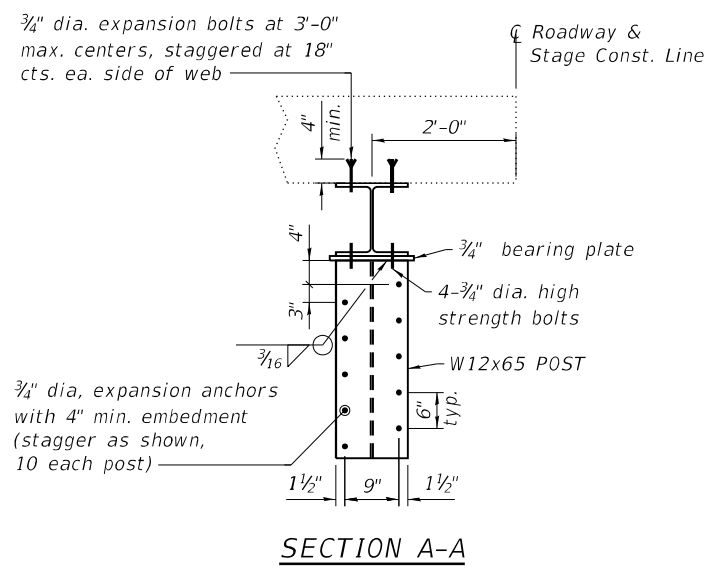
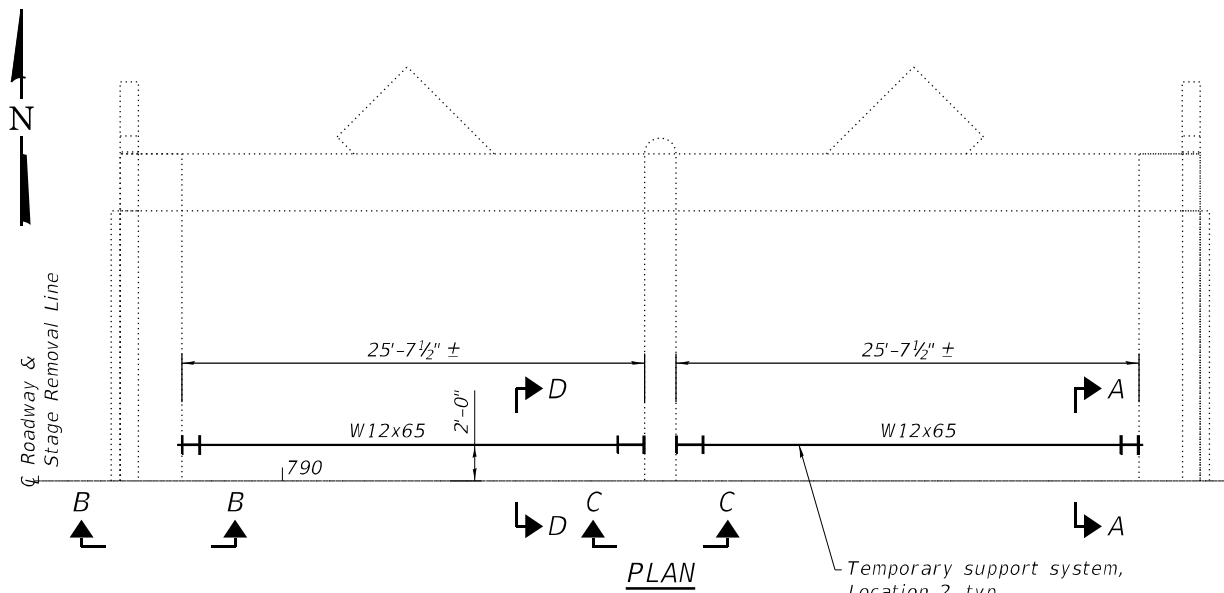
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PLOT DATE = 3/4/2021	CHECKED - RDP 11/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 046-2018

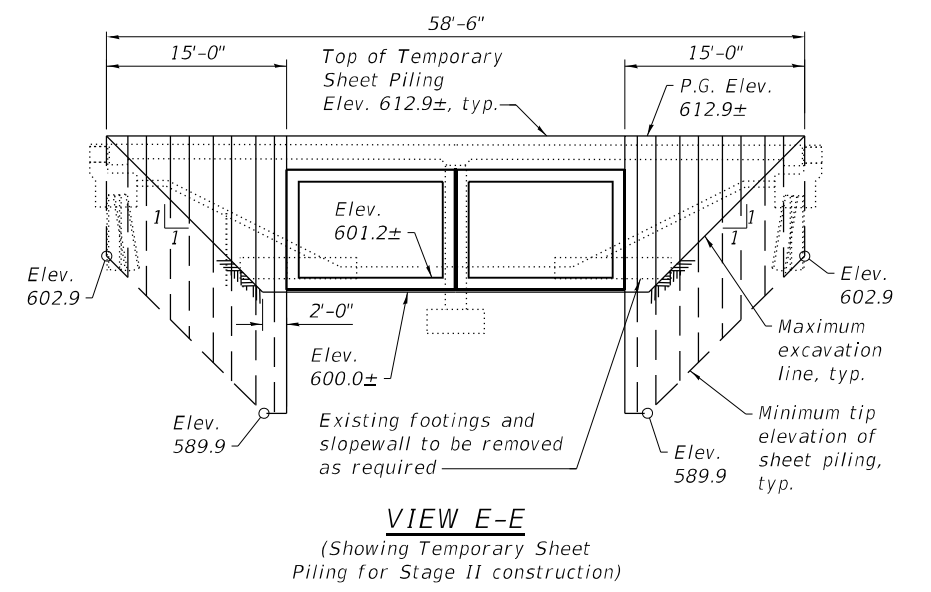
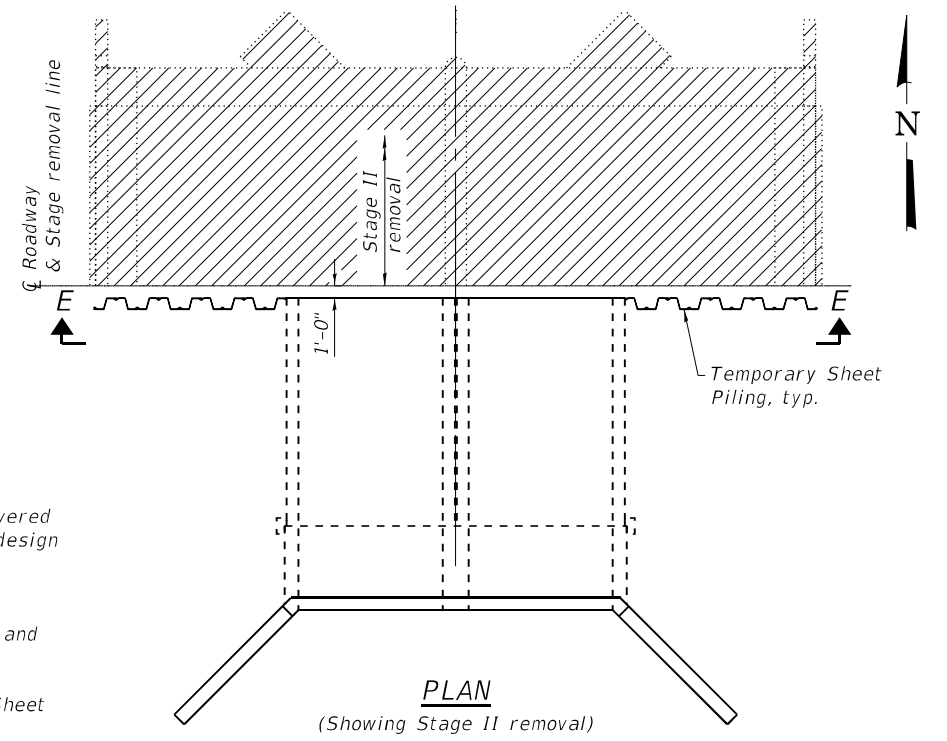
SHEET 3 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	13BR-1	KANKAKEE	103	34
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



TEMPORARY SHEET PILING NOTES

1. If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
2. Existing structure details are taken from existing plans and are subject to nominal construction variations.
3. Dimensions and slopes are shown along the Temporary Sheet Piling unless noted otherwise.



TEMPORARY SUPPORT SYSTEM NOTES

1. Holes for 3/4" dia. high strength (H.S.) bolts shall be 1 3/16" dia. unless otherwise noted.
2. Holes for 3/4" dia. expansion anchors shall be as required by the expansion anchor manufacturer for the diameter of anchor specified.
3. Reinforcement bars in the existing concrete structure may conflict with specific expansion anchor locations. Reinforcement bars in conflict with anchors may be drilled through to facilitate installation of the expansion anchors at plan locations.
4. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The contractor shall field verify existing dimensions and details affecting the Temporary Support System 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 work, but shall be included with Temporary Support System, Location 2.

5. If the Contractor chooses to alter the Temporary Support System shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
6. Steel shim plates shall be provided at each temporary support post as required for tight fit of beam against existing concrete deck. Plan dimensions of shim plates shall match bearing plates. Number and thickness of shim plates shall be determined by the contractor in the field.
7. Member sizes shown are the minimum required. Larger sections may be substituted to facilitate material acquisition or use of salvaged material at no additional cost to the department.
8. The Temporary Support System shall be in place prior to allowing traffic on the Stage I portion of the existing deck.
9. Temporary support of both existing spans is included with Temporary Support System, Location 2.

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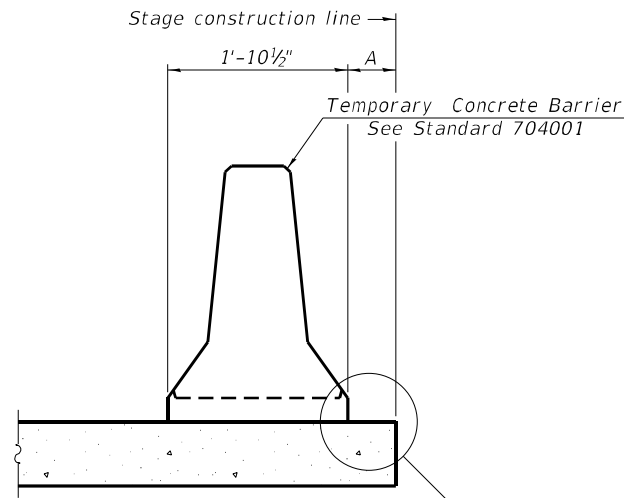
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CHECKED - RDP	12/20	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 046-2018**

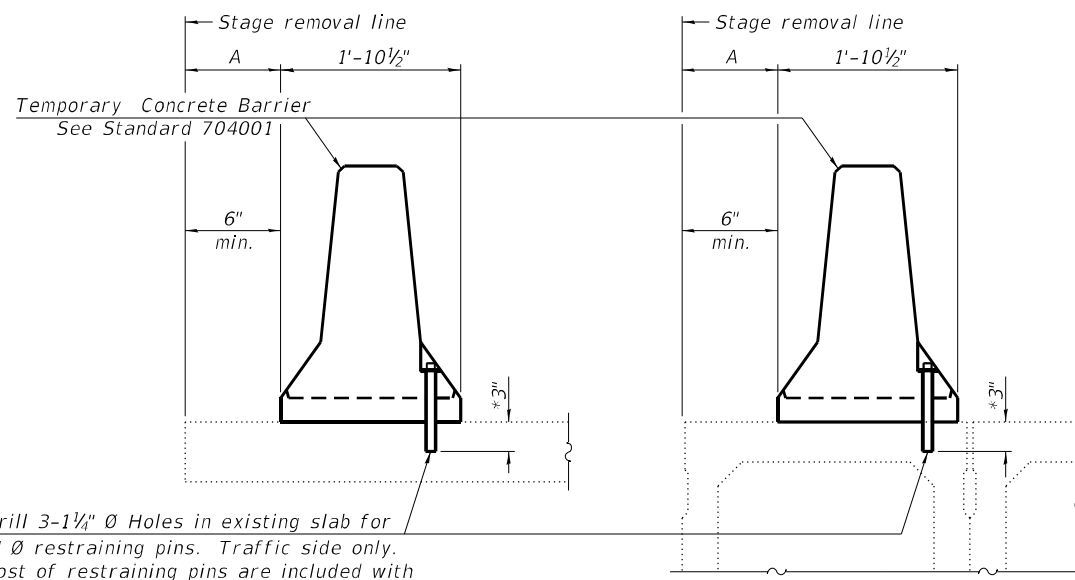
SHEET 4 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	13BR-1	KANKAKEE	103	35
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



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

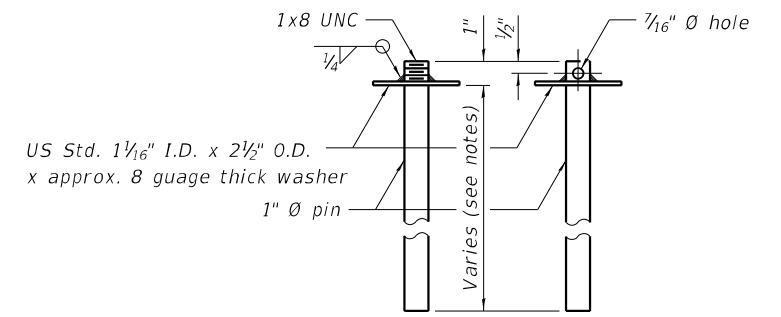
NEW SLAB OR NEW DECK BEAM



Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

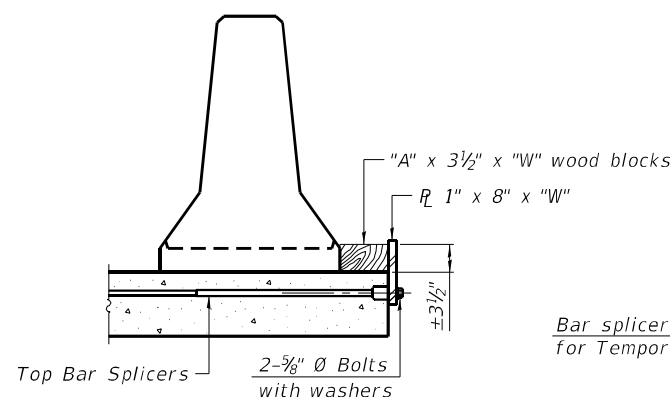
EXISTING DECK BEAM



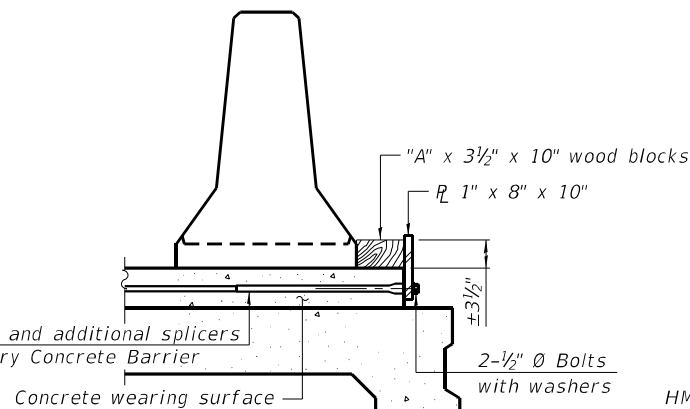
RESTRAINING PIN

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

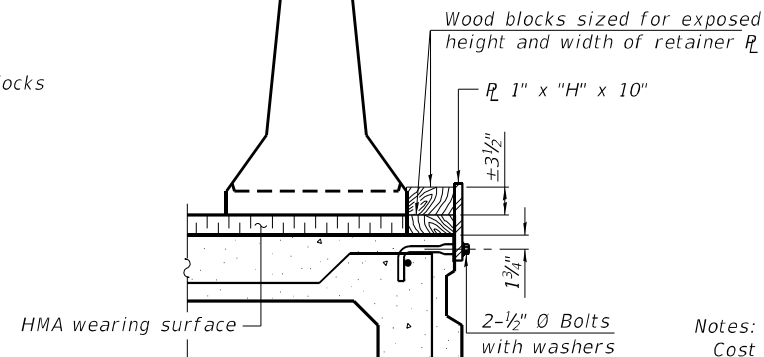
SECTIONS THRU SLAB OR DECK BEAM



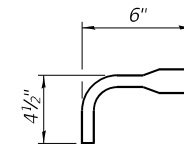
DETAIL I



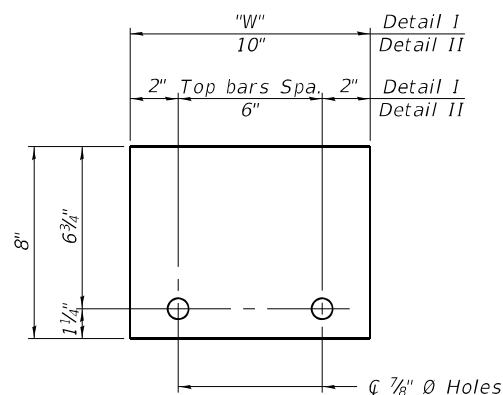
DETAIL II



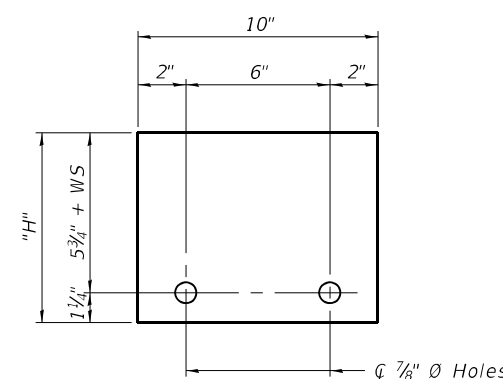
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate C 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 1 1/2', 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.

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R-27 2-17-2017



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 PLOT DATE = 3/4/2021

DESIGNED - RDP 11/20
 CHECKED - RDP 11/20
 DRAWN - KAH 11/20
 CHECKED - RDP 11/20

REVISED -
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 REVISED -
 REVISED -

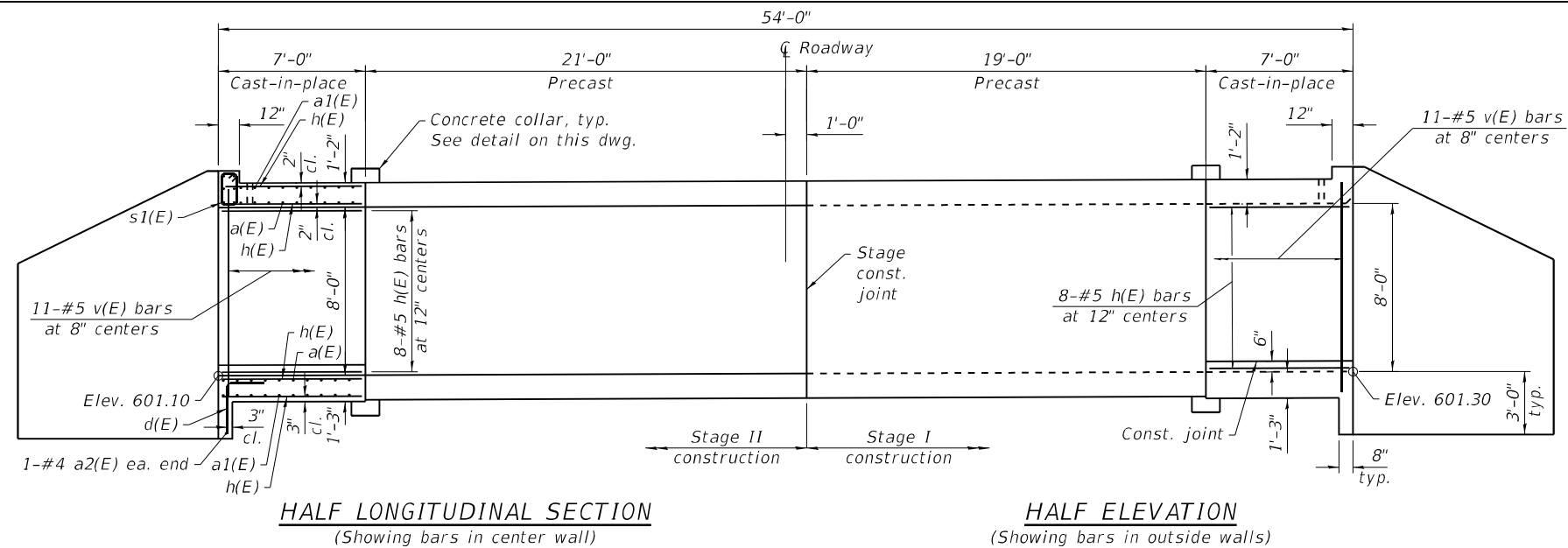
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
 STRUCTURE NO. 046-2018**

SHEET 5 OF 10 SHEETS

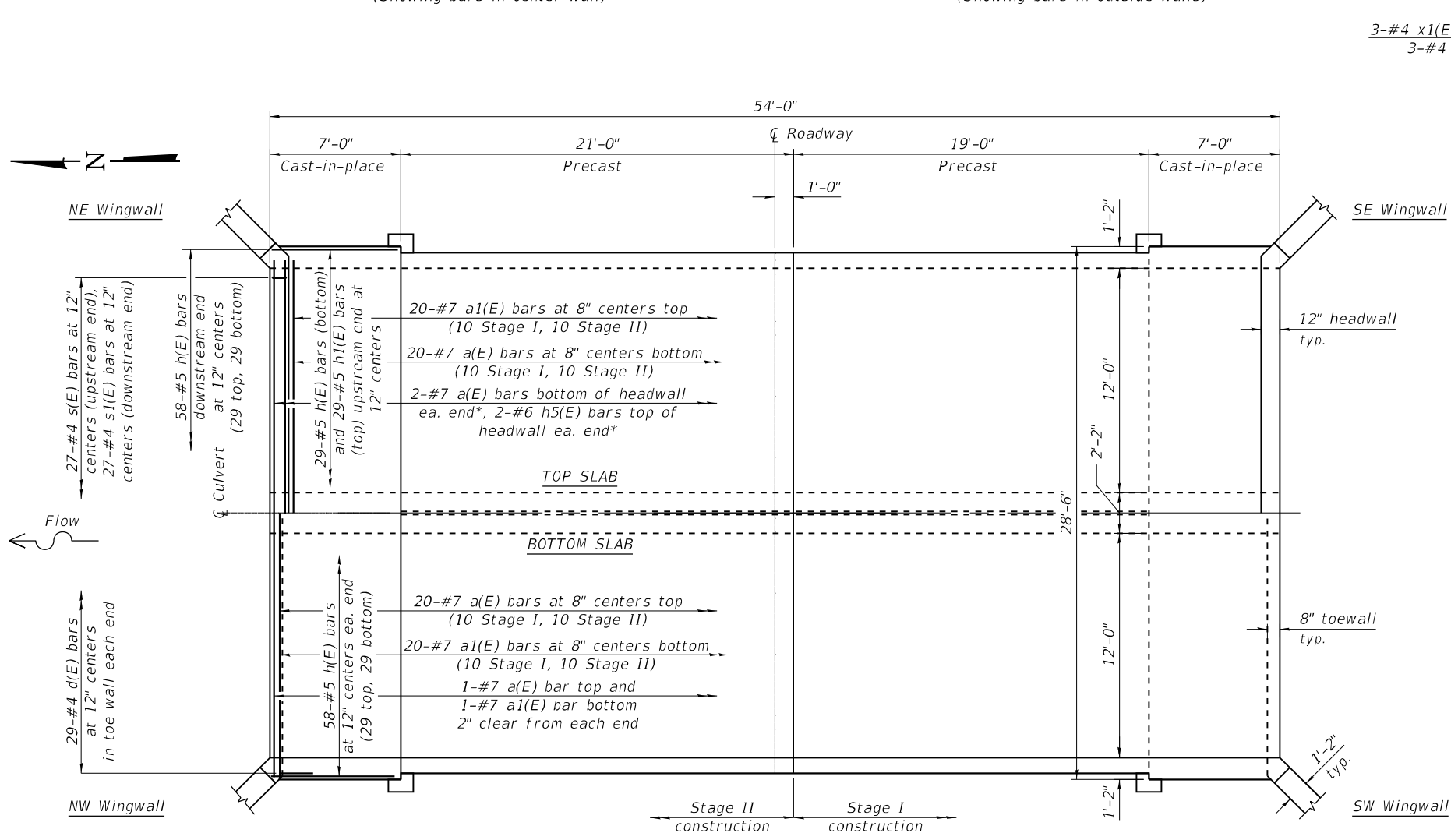
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41	13BR-1	KANKAKEE	103	36
			CONTRACT NO. 66F88	

ILLINOIS FED. AID PROJECT



HALF LONGITUDINAL SECTION
(Showing bars in center wall)

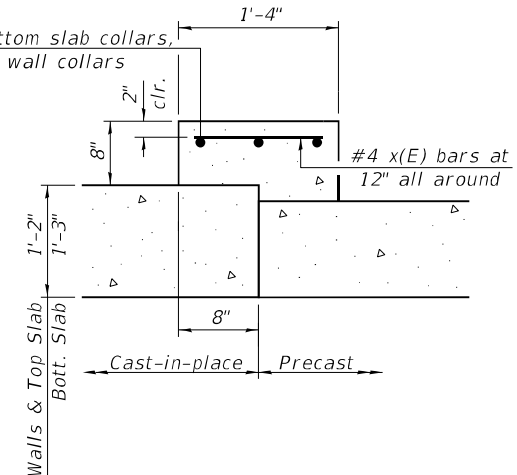
HALF ELEVATION
(Showing bars in outside walls)



SHOWING REINFORCEMENT

PLAN

SHOWING OUTLINES



COLLAR DETAIL

* See Headwall Details on Sheet 8 of 10

Notes: See Sheet 7 of 10 for wingwall details.
See Sheet 8 of 10 for additional details and Bill of Material.
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the horizontal cantilever wingwalls.

(Sheet 1 of 3)

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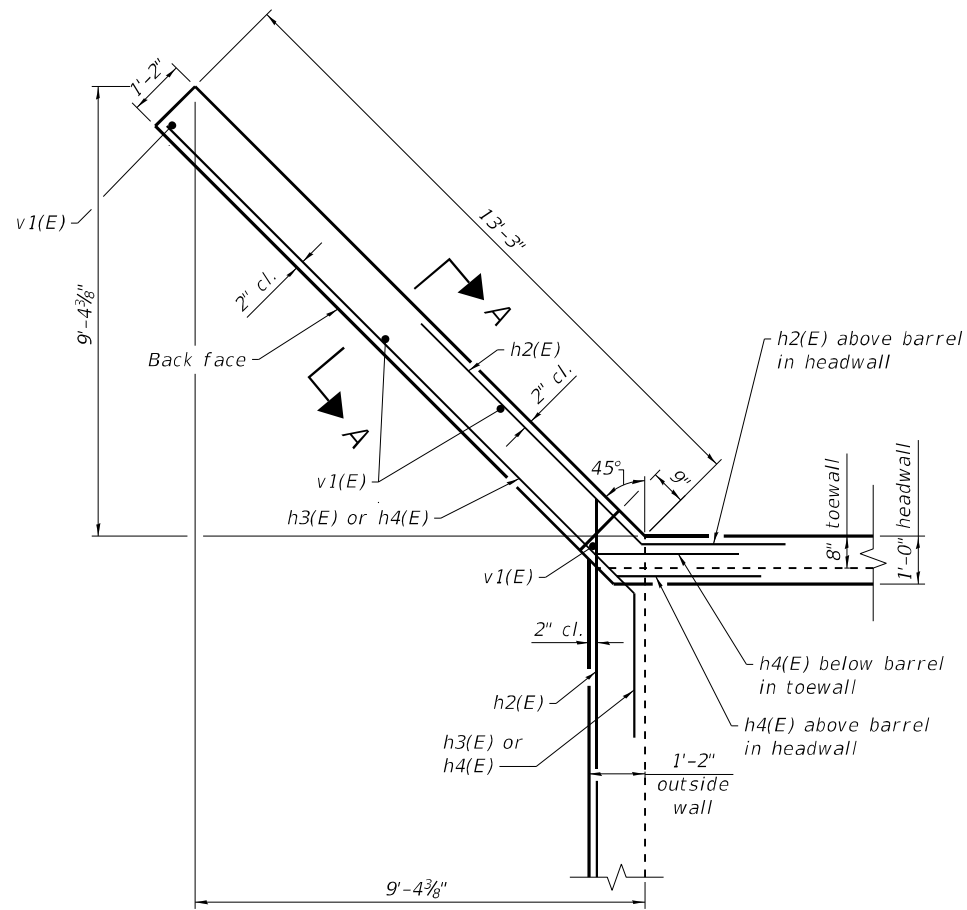
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS
STRUCTURE NO. 046-2018**

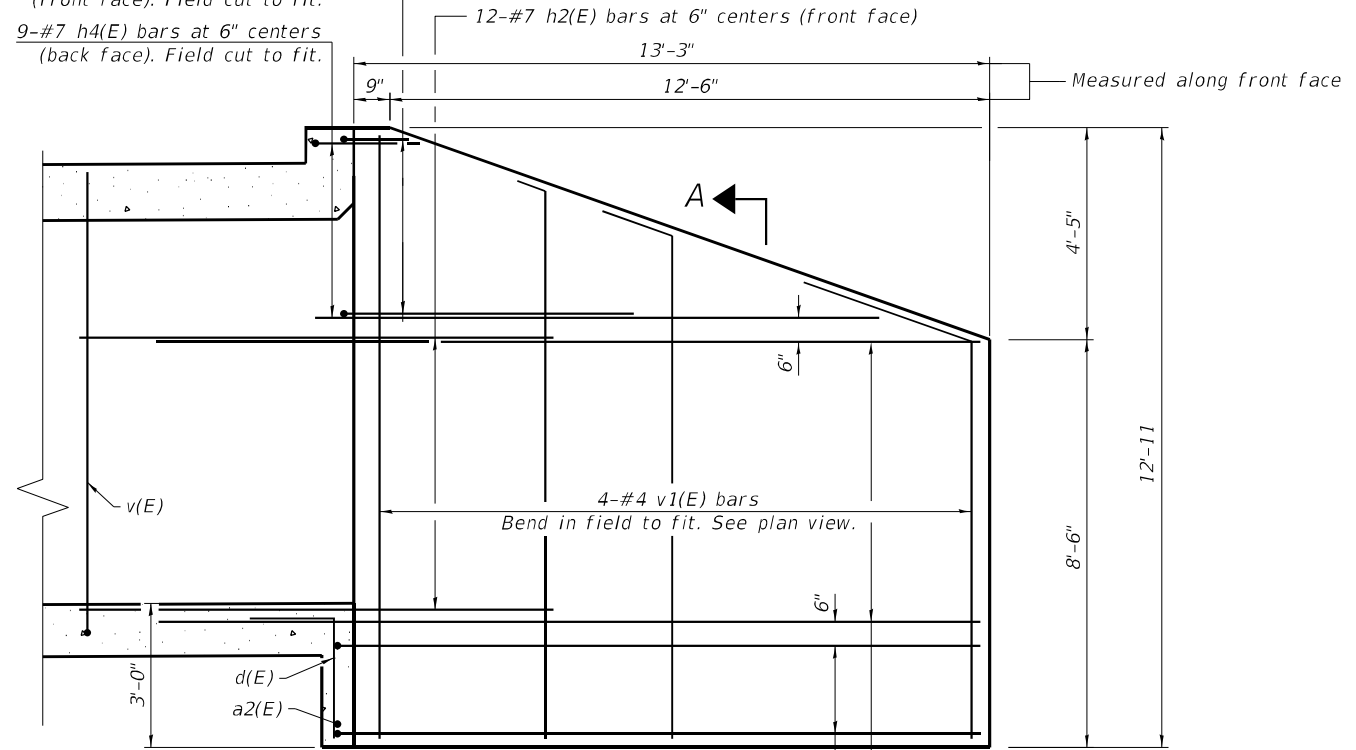
SHEET 6 OF 10 SHEETS

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41	13BR-1	KANKAKEE	103	37
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



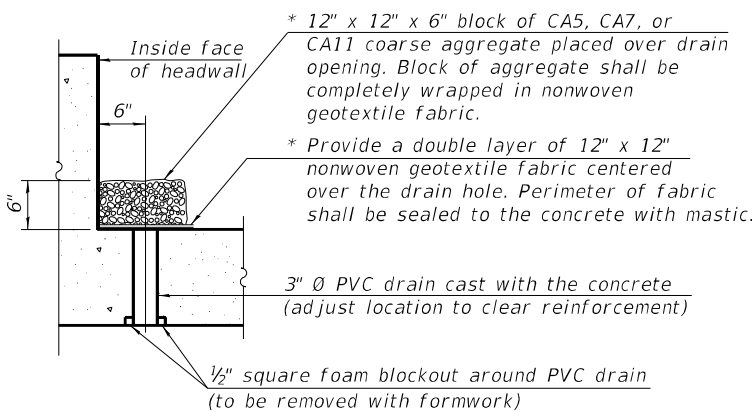
WINGWALL PLAN
(All wingwalls similar)

9-#7 h2(E) bars at 6" centers
(front face). Field cut to fit.
9-#7 h4(E) bars at 6" centers
(back face). Field cut to fit.



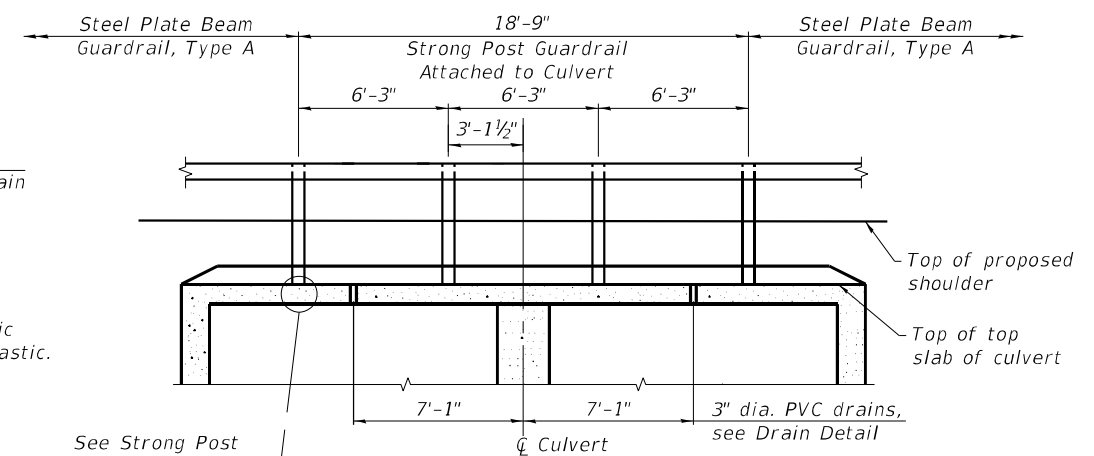
WINGWALL ELEVATION
(All wingwalls similar)

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



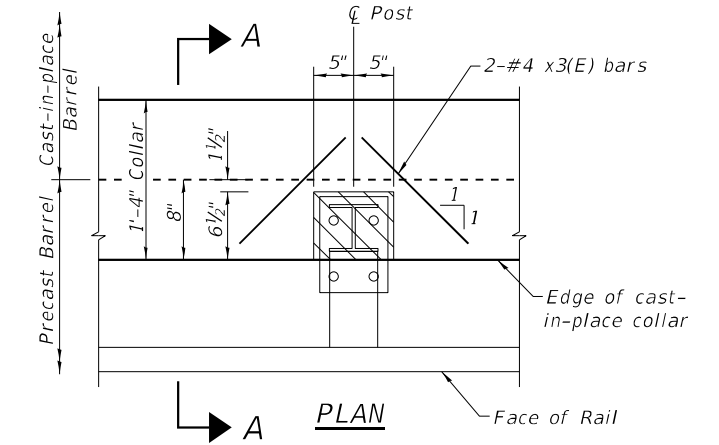
DRAIN DETAIL

All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.
One drain required at the center of each span at each headwall.

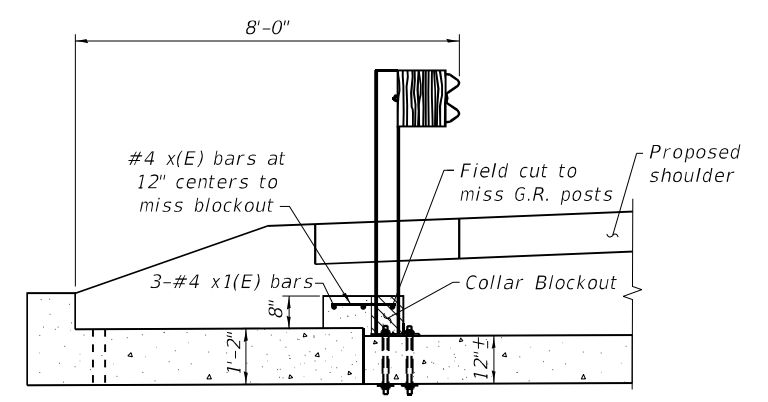


INSIDE ELEVATION OF RAILING

See Strong Post Guardrail Attached to Culvert Detail this sheet, typ.



PLAN



SECTION A-A

STRONG POST GUARDRAIL ATTACHED TO CULVERT DETAIL

See Std. 630101 for mounting plate detail and anchor rod detail.
Space reinforcement to miss anchor rods.

Note: Fill blockout with concrete after G.R. post is set

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS
STRUCTURE NO. 046-2018**

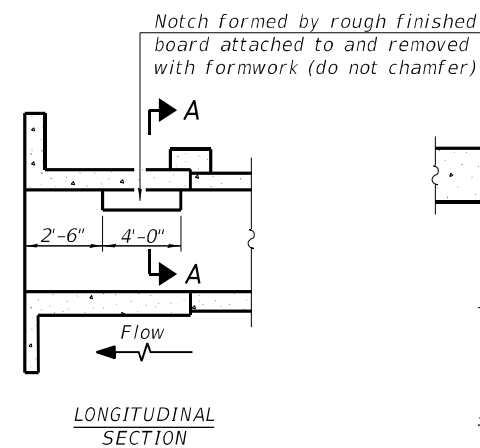
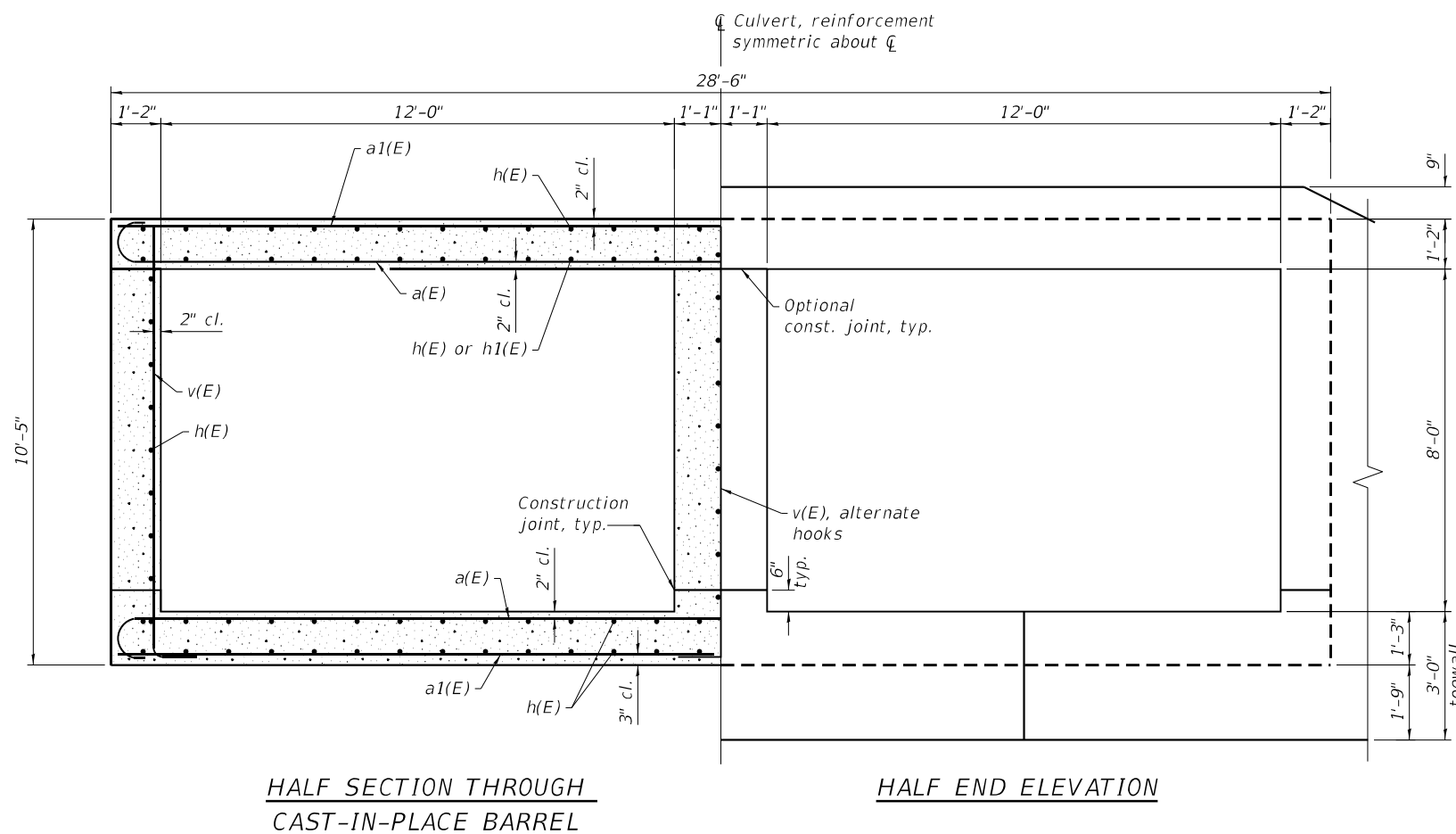
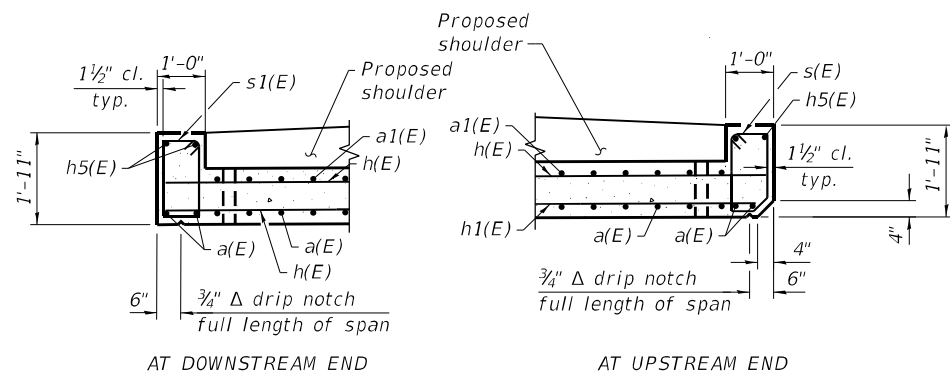
SHEET 7 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	13BR-1	KANKAKEE	103	38

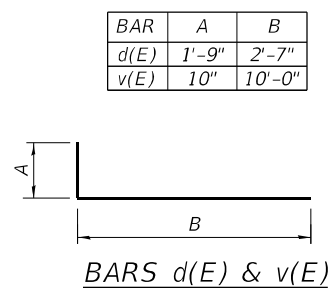
ILLINOIS FED. AID PROJECT

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	46	#7	29'-6"	
a1(E)	42	#7	28'-2"	
a2(E)	2	#4	28'-2"	
d(E)	58	#4	4'-4"	
h(E)	251	#5	6'-8"	
h1(E)	29	#5	6'-4"	
h2(E)	84	#7	9'-6"	
h3(E)	52	#7	16'-9"	
h4(E)	56	#7	16'-3"	
h5(E)	4	#6	28'-2"	
s(E)	27	#4	5'-3"	
s1(E)	27	#4	5'-5"	
v(E)	66	#5	10'-10"	
v1(E)	16	#4	12'-7"	
x(E)	166	#4	1'-0"	
x1(E)	12	#4	29'-6"	
x2(E)	12	#4	15'-8"	
x3(E)	16	#4	1'-5"	
Concrete Box Culverts			Cu. Yd.	88.5
Reinforcement Bars, Epoxy Coated			Pound	14340

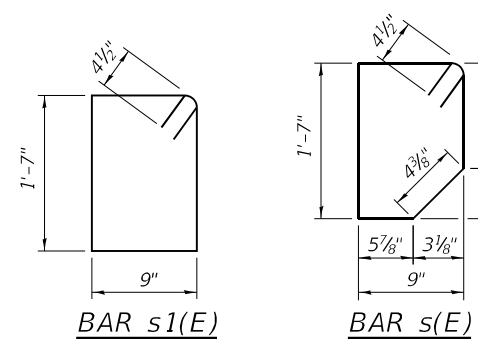
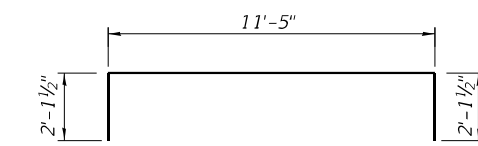


**PHOEBE NESTING
SITE DETAILS
(Downstream End Only)**



BAR	A	B
h2(E)	6'-6"	2'-1 1/2"
h3(E)	13'-9"	2'-1 1/2"
h4(E)	13'-3"	2'-1 1/2"

BARS h2(E) THRU h4(E)



(Sheet 3 of 3)

MODEL: PLOT
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PLOT DATE = 3/4/2021	CHECKED - RDP 11/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS
STRUCTURE NO. 046-2018**

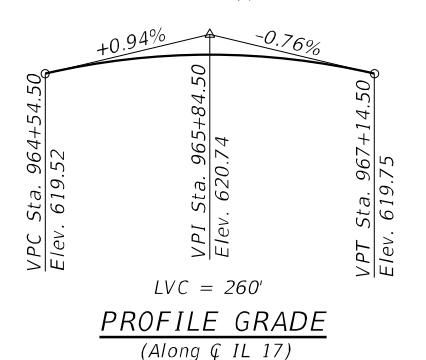
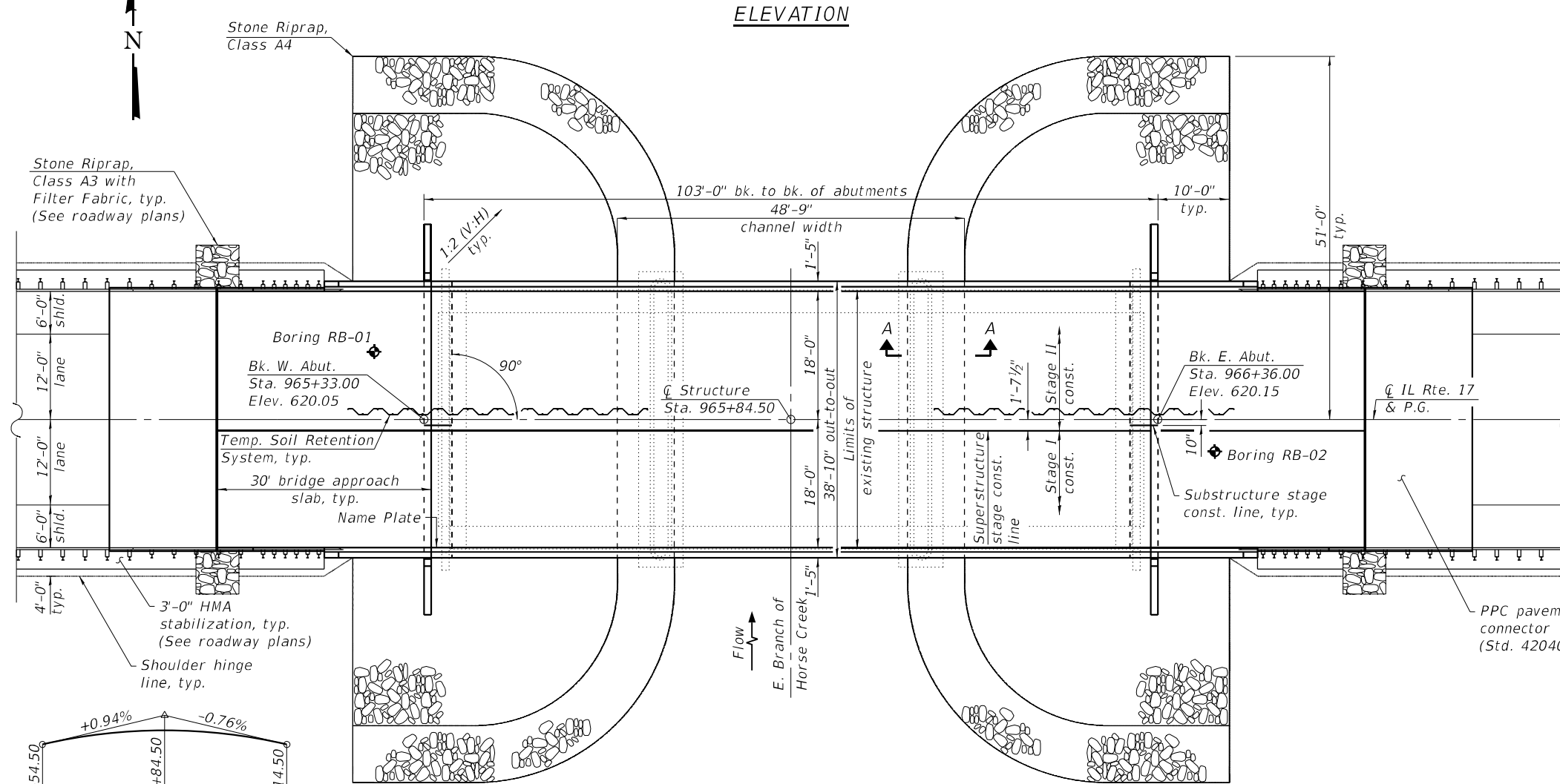
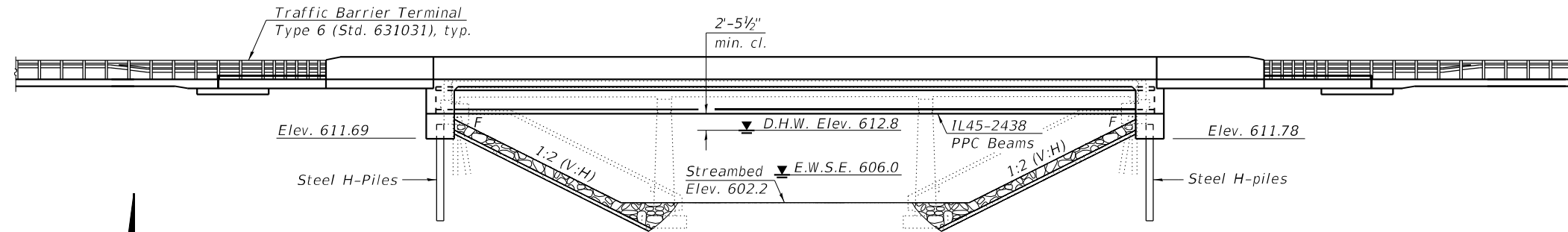
SHEET 8 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	13BR-1	KANKAKEE	103	39
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

Benchmark: BM 111: Chiseled "X" on top of the NE wingwall of SN 046-0032; Elev. 619.12, Sta. 966+33.28, offset 17.89' Lt.

Existing Structure: SN 046-0032 was originally constructed in 1959 as S.B.I. Route 17, Section 12-BR at Station 965+84.5. The existing 3-span reinforced concrete slab superstructure is supported by open pile bent abutments on steel H-piles and tapered solid wall piers on spread footings. The outer spans are 29'-0" and the middle span is 36'-6" with no skew. The back-to-back of abutments measure 98'-0" and the out-to-out width is 36'-4". The existing structure will be removed and replaced utilizing staged construction.

No salvage.



PLAN
Note: See Sheet 2 of 24 for Section A-A

STRUCTURE INDEX OF SHEETS

General Plan & Elevation	Sheet No. 1 of 24
General Data	Sheet No. 2 of 24
Stage Construction Details	Sheet No. 3-5 of 24
Temporary Concrete Barrier for Stage Construction	Sheet No. 6 of 24
Top of Slab Elevations	Sheet No. 7 of 24
Top of West Approach Slab Elevations	Sheet No. 8 of 24
Top of East Approach Slab Elevations	Sheet No. 9 of 24
Superstructure	Sheet No. 10 of 24
Superstructure Details	Sheet No. 11 of 24
Diaphragm Details	Sheet No. 12 of 24
Bridge Approach Slab Details	Sheet No. 13-14 of 24
PPC Beam Framing Plan and Details	Sheet No. 15 of 24
IL45-2438 PPC Beam Details	Sheet No. 16-17 of 24
West Abutment	Sheet No. 18 of 24
East Abutment	Sheet No. 19 of 24
HP Pile Details	Sheet No. 20 of 24
Bar Splicer Assembly and Mechanical Splicer Details	Sheet No. 21 of 24
Concrete Parapet Slipforming Option	Sheet No. 22 of 24
Boring Logs	Sheet No. 23-24 of 24

DESIGN SPECIFICATIONS

2020 AASHTO LRFD
Bridge Design Specifications,
9th Edition

LOADING HL-93

Allow 50 psf for future wearing surface

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi (substructure concrete)
 $f'_c = 4,000$ psi (superstructure concrete)
 $f_y = 60,000$ psi (reinforcement)

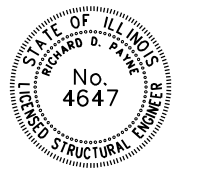
PRECAST PRESTRESSED UNITS

$f'_c = 8,500$ psi
 $f'_{ci} = 6,500$ psi
 $f_{pu} = 270,000$ psi (0.6" \emptyset low relaxation strands)
 $f_{pbt} = 202,300$ psi (0.6" \emptyset low relaxation strands)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.073 g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.128 g
Soil Site Class = C

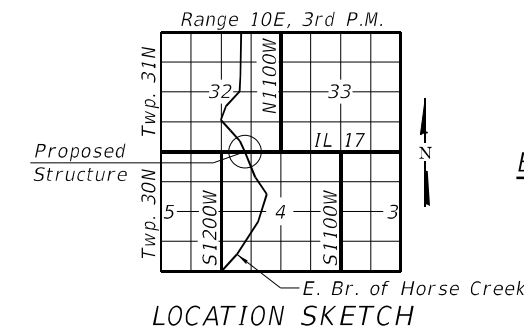
APPROVED
For Structural Adequacy Only
Richard D. Payne
Engineer of Bridges & Structures



EXPIRES 11-30-22
Richard D. Payne
SIGNATURE

05-06-2021
DATE

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 17 OVER
EAST BRANCH OF HORSE CREEK
F.A.P. RTE. 41 - SEC. (12)BR
KANKAKEE COUNTY
STATION 965+84.50
STRUCTURE NO. 046-0161



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DRAWN - KAH 05/21
CHECKED - RDP 05/21

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REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	42
CONTRACT NO. 66F88				

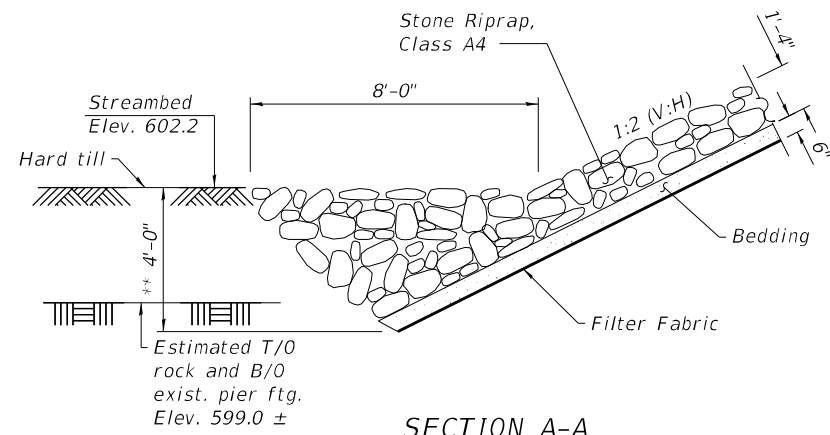
ILLINOIS FED. AID PROJECT

GENERAL NOTES

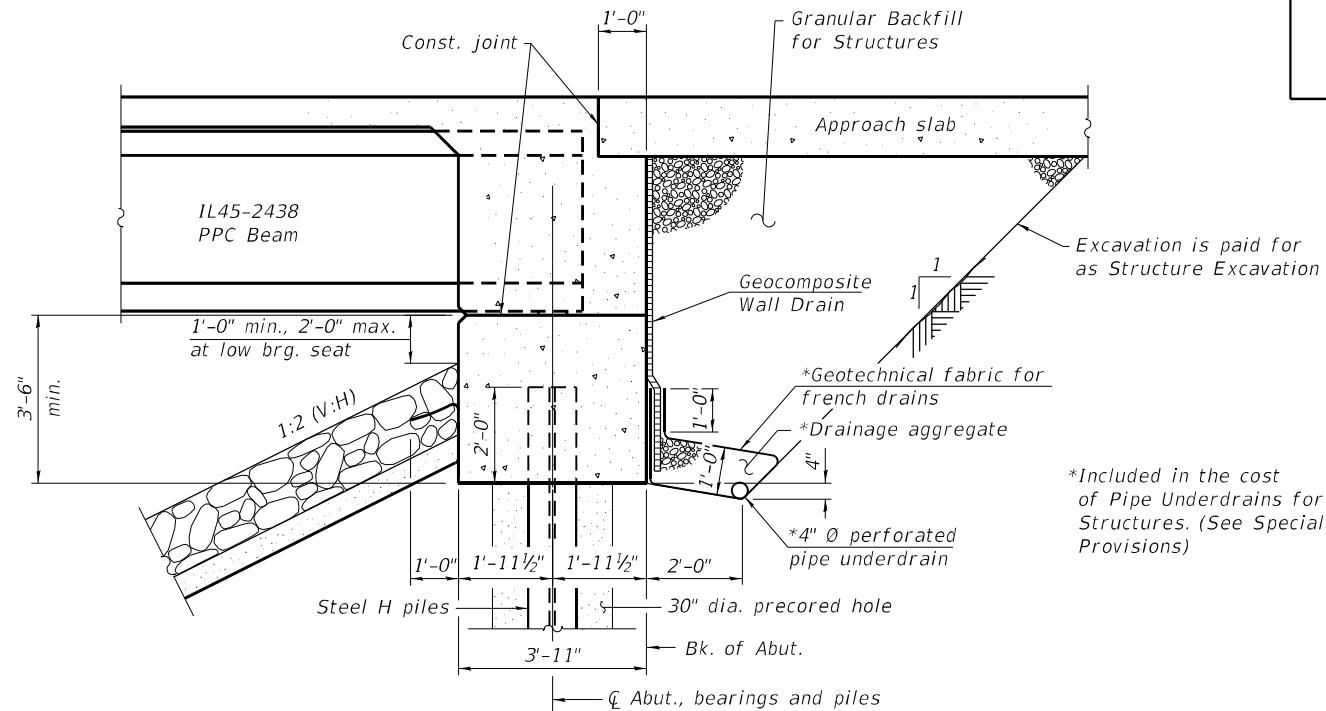
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
4. The cost of slope wall removal is included with Removal of Existing Structures No. 1.

STATION 965+84.50
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 41 SEC. (12)BR
LOADING HL-93
STR. NO. 046-0161

NAME PLATE
 See Std. 515001



** If rock is encountered during excavation for riprap, stop excavation at top of rock and reduce this dimension.



SECTION THRU INTEGRAL ABUTMENT

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

DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)			Item 113
	W. Abut.	E. Abut.	Item 113	
Q100	611.69	611.78		8
Q200	611.69	611.78		
Design	611.69	611.78		
Check	611.69	611.78		

WATERWAY INFORMATION

Flood	Freq. Yr.	Q (C.F.S.)	Waterway Opening (Sq. ft.)		Natural H.W.E. (ft.)	Head (ft.)		Headwater Elev. (ft.)	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Drainage Area = 27.1 Sq. Mi. Exist. Overtopping Elev. 617.56 at Sta. 975+00 Prop. Overtopping Elev. 617.56 at Sta. 975+00									
Design	10	1350	434	683	612.1	0.2	0.1	612.3	612.3
Base	50	2040	475	739	612.8	0.4	0.2	613.1	613.0
Scour Design Check	100	2350	494	767	613.1	0.5	0.2	613.5	613.3
Max. Calc.	200	2668	512	792	613.3	0.5	0.3	613.9	613.6
	500	3100	535	823	613.7	0.7	0.4	614.4	614.0

10 Year velocity through existing structure = 3.1 ft/s
 10 Year velocity through proposed structure = 2.0 ft/s

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		890	890
Filter Fabric	Sq. Yd.		890	890
Removal of Existing Structures No. 1	Each			1
Structure Excavation	Cu. Yd.		200	200
Concrete Structures	Cu. Yd.		71.4	71.4
Concrete Superstructure	Cu. Yd.	172.8		172.8
Bridge Deck Grooving	Sq. Yd.	609		609
Protective Coat	Sq. Yd.	769		769
Concrete Superstructure (Approach Slab)	Cu. Yd.	106.0		106.0
Furnishing and Erecting Precast Prestressed Concrete Beams, 1L45N	Foot	602.0		602.0
Reinforcement Bars, Epoxy Coated	Pound	78,110	9,440	87,550
Bar Splicers	Each	518	100	618
Furnishing Steel Piles HP14x89	Foot		414	414
Name Plates	Each	1		1
Temporary Soil Retention System	Sq. Ft.		520	520
Granular Backfill for Structures	Cu. Yd.		153	153
Geocomposite Wall Drain	Sq. Yd.		75	75
Pipe Underdrains for Structures 4"	Foot		133	133
Drilling and Setting Piles (in Soil)	Cu. Ft.		1443	1443
Drilling and Setting Piles (in Rock)	Cu. Ft.		472	472
Temporary Support System, Location 1	Each	1		1

See roadway plans for quantities of Temporary Concrete Barrier, Earth Excavation, and Pavement Removal.

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 CHECKED - RDP 05/21

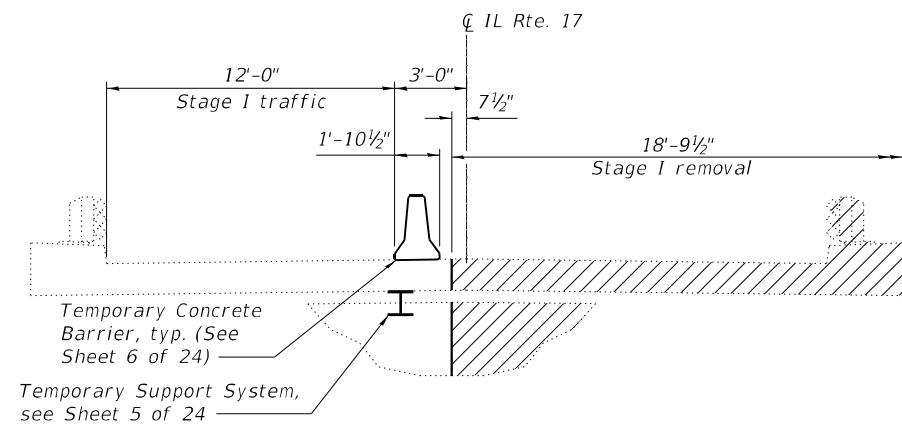
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

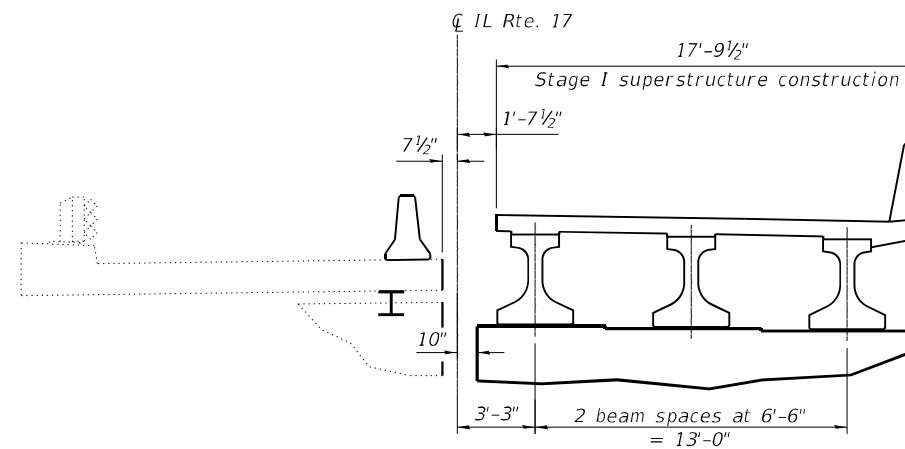
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STRUCTURE NO. 046-0161

SHEET 2 OF 24 SHEETS

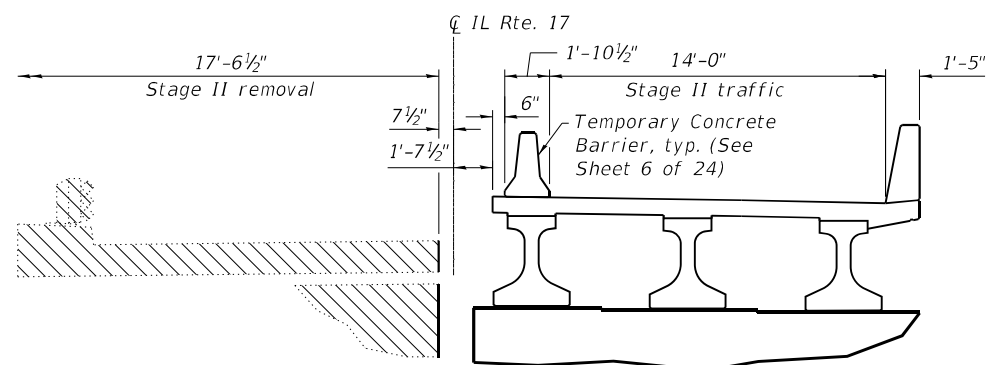
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CONTRACT NO. 66F88				
ILLINOIS		FED. AID PROJECT		



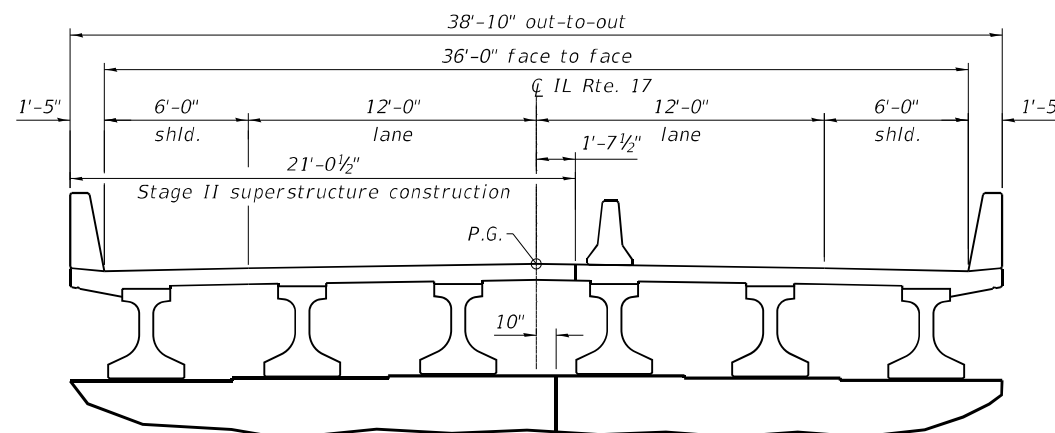
STAGE I REMOVAL
(Looking East)



STAGE I CONSTRUCTION
(Looking East)



STAGE II REMOVAL
(Looking East)



STAGE II CONSTRUCTION
(Looking East)

Notes:
 Hatched areas indicate Removal of Existing Structures No. 1 which shall include removal of the existing asphalt wearing surface.
 For quantities of Temporary Concrete Barrier, see roadway plans.
 Cost of removing the existing bridge rail is included with Removal of Existing Structures No. 1.
 The stage construction lines for the abutments differ from the stage construction line for the superstructure, see Sheets 18 and 19 of 24 for details.

(Sheet 1 of 3)

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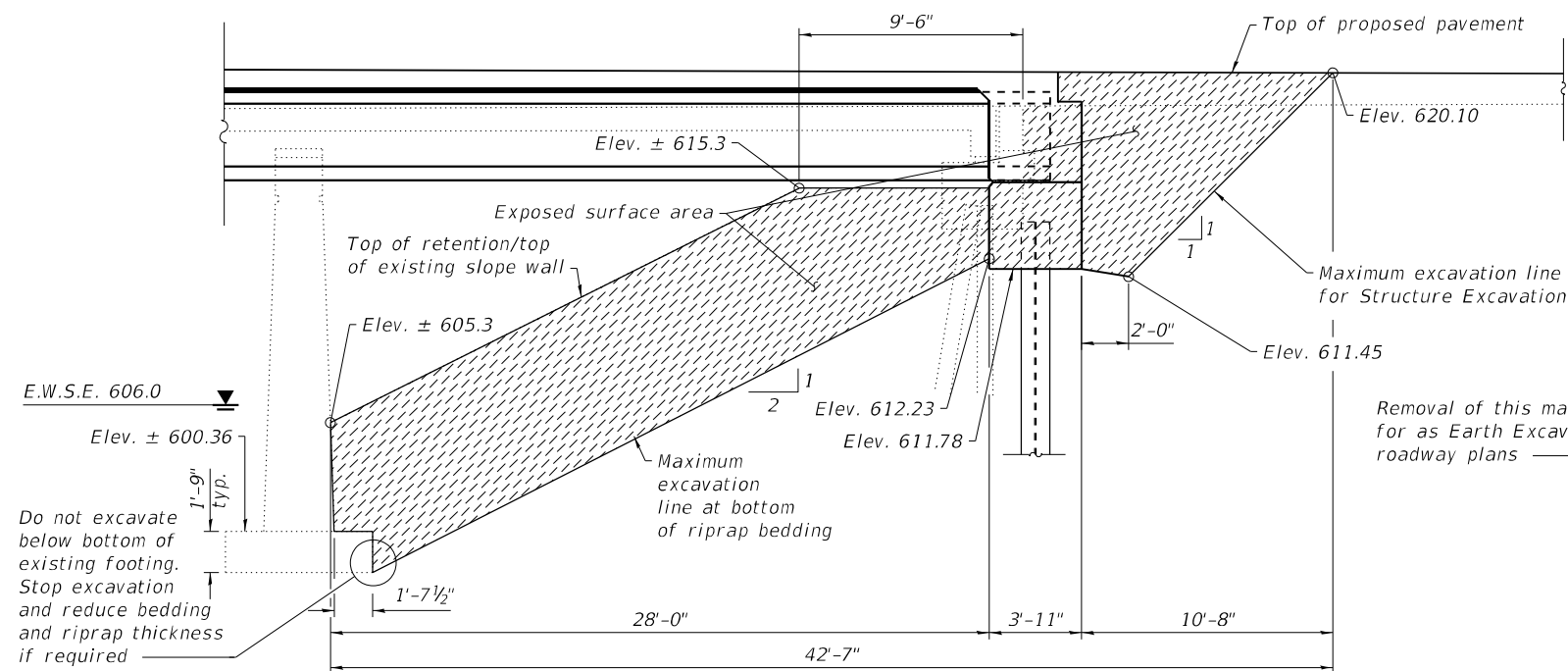
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ESCA PROJECT NO. 1352.02	CHECKED - RDP	REVISED -
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PLOT DATE = 3/4/2021	CHECKED - RDP	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

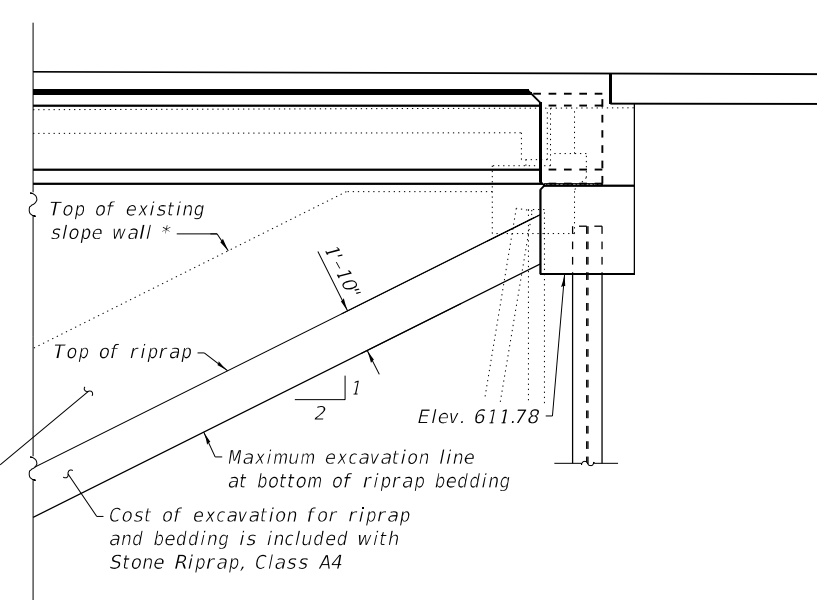
**STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 046-0161**

SHEET 3 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	44
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

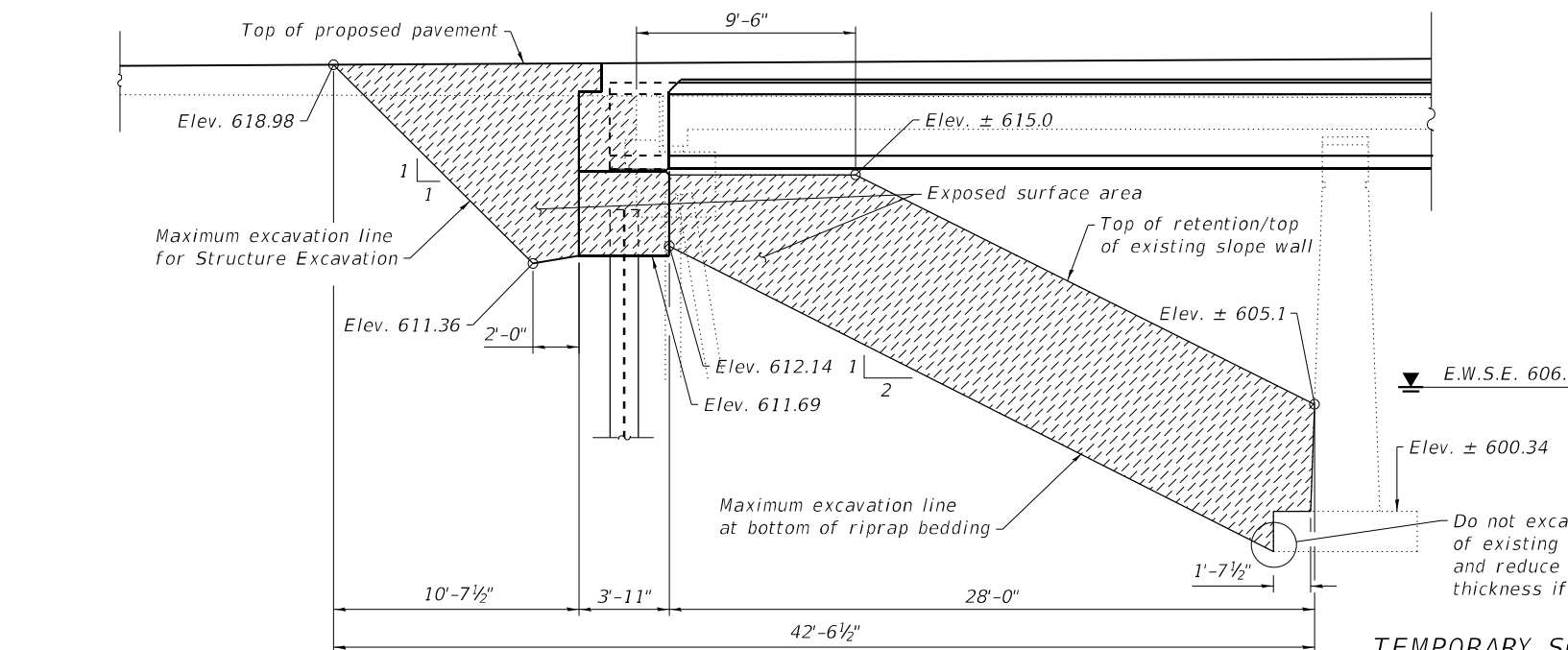


**EAST ABUTMENT
TEMPORARY SOIL RETENTION SYSTEM**

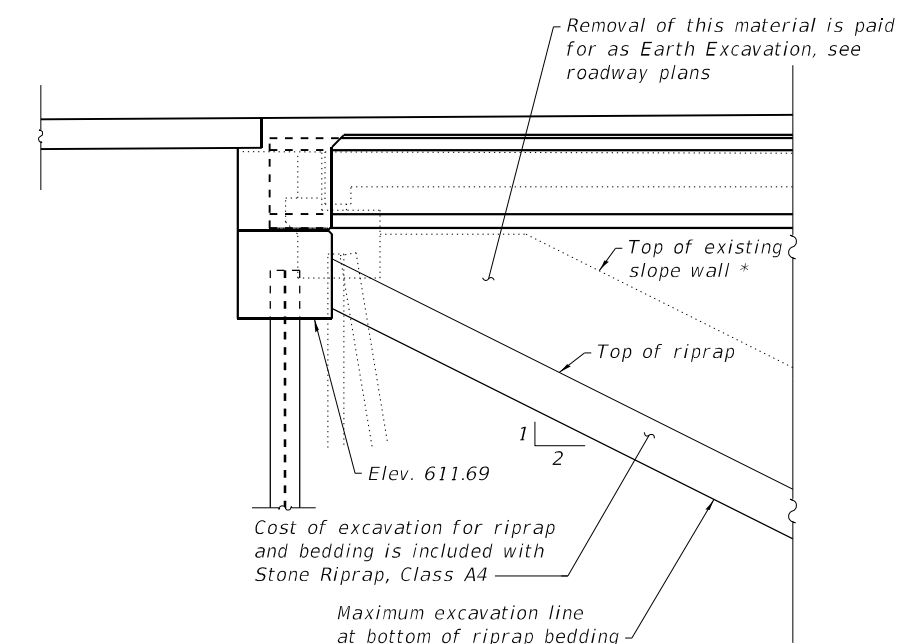


EAST ABUTMENT EXCAVATION DETAIL

* Removal of slope wall is included with "Removal of Existing Structures No. 1"



**WEST ABUTMENT
TEMPORARY SOIL RETENTION SYSTEM**



WEST ABUTMENT EXCAVATION DETAIL

TEMPORARY SOIL RETENTION SYSTEM NOTES

- At both abutments, 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.
- Dimensions and slopes are shown along the temporary soil retention unless otherwise noted.
- Existing structure details are taken from existing plans and are subject to nominal construction variations.

BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	520

(Sheet 2 of 3)

MODEL: PLOT
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USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.167' / in.
PLOT DATE = 3/4/2021

DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP

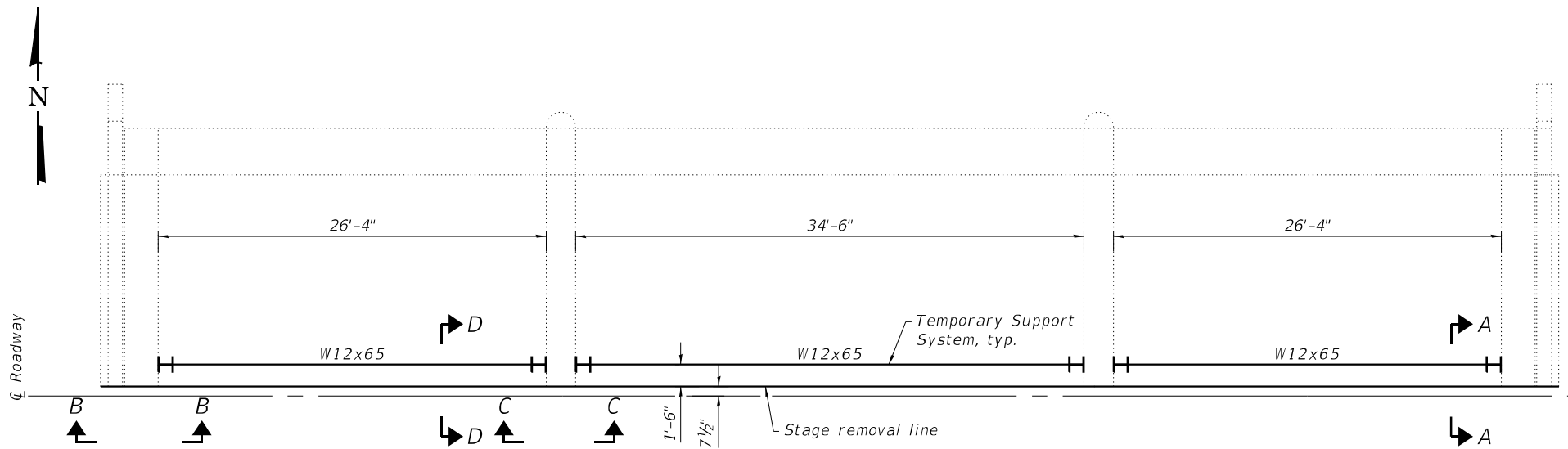
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 046-0161**

SHEET 4 OF 24 SHEETS

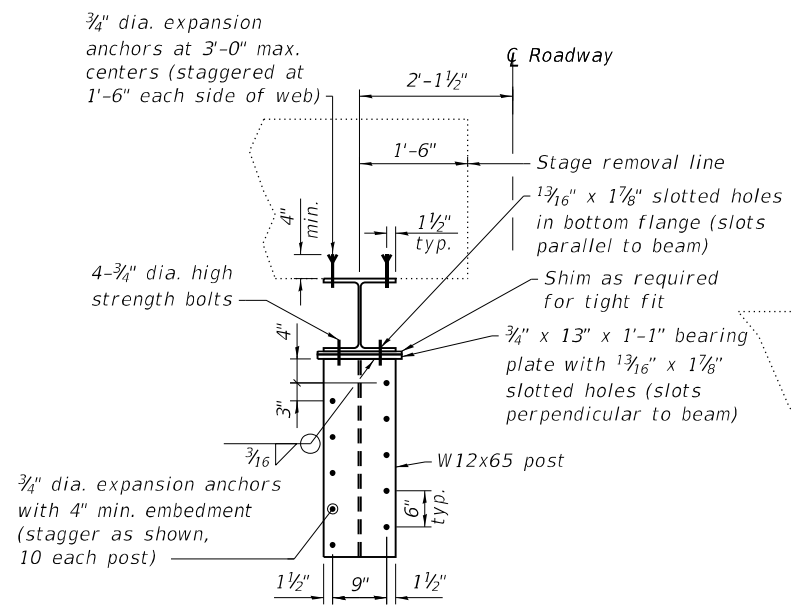
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41	(12)BR	KANKAKEE	103	45
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



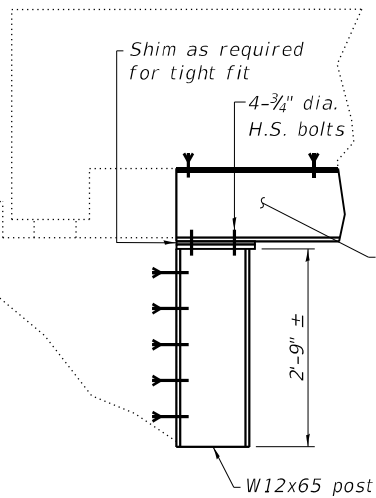
PLAN

TEMPORARY SUPPORT SYSTEM NOTES

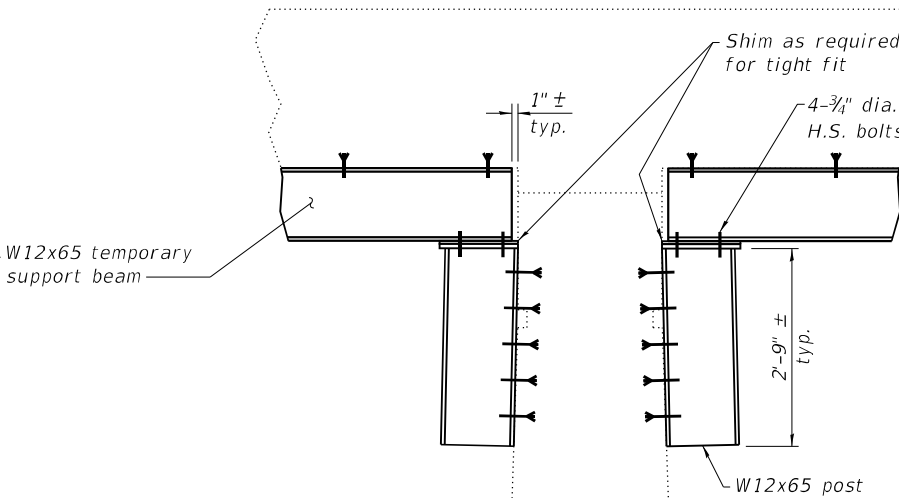
- Holes for $\frac{3}{4}$ " dia. high strength (H.S.) bolts shall be $\frac{1}{16}$ " dia. unless otherwise noted.
- Holes for $\frac{3}{4}$ " dia. expansion anchors shall be as required by the expansion anchor manufacturer for the diameter of anchor specified.
- Reinforcement bars in the existing concrete structure may conflict with specific expansion anchor locations. Reinforcement bars in conflict with anchors may be drilled through to facilitate installation of the expansion anchors at plan locations.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting the Temporary Support System 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 work, but shall be included with Temporary Support System, Location 1.
- If the Contractor chooses to alter the Temporary Support System shown on the plans, a design submittal including plan details and calculations prepared and sealed by an Illinois Licensed Structural Engineer will be required for review and acceptance by the Engineer.
- Steel shim plates shall be provided at each temporary support post as required for tight fit of beam against existing concrete deck. Plan dimensions of shim plates shall match bearing plates. Number and thickness of shim plates shall be determined by the Contractor in the field.
- Member sizes shown are the minimum required. Larger sections may be substituted to facilitate material acquisition or use of salvaged material at no additional cost to the department.
- The Temporary Support System shall be in place prior to allowing traffic on the Stage 1 portion of the existing deck.
- Temporary support of all three existing spans is included with Temporary Support System, Location 1.



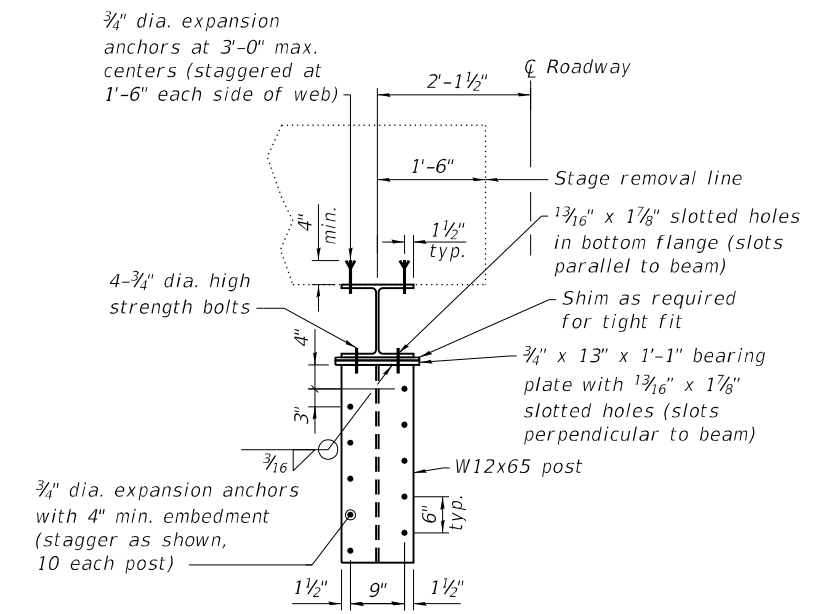
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BILL OF MATERIAL

Item	Unit	Total
Temporary Support System, Location 1	Each	1

(Sheet 3 of 3)

MODEL: PLOT
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USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.2" = 1' / in.
PLOT DATE = 3/4/2021

DESIGNED - RDP
CHECKED - SHL
DRAWN - KAH
CHECKED - RDP

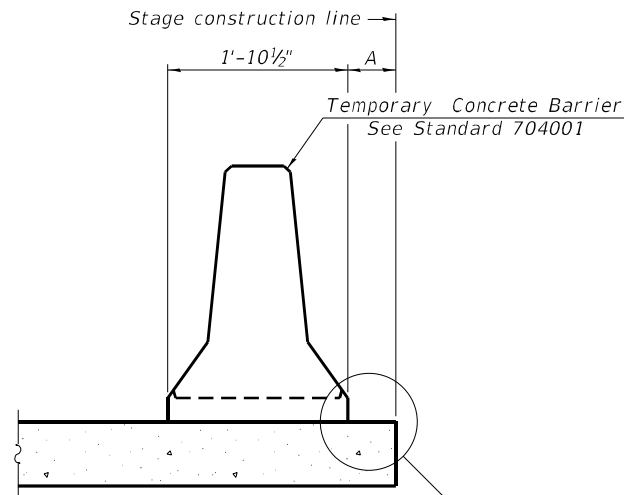
REVISED -
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REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 046-0161

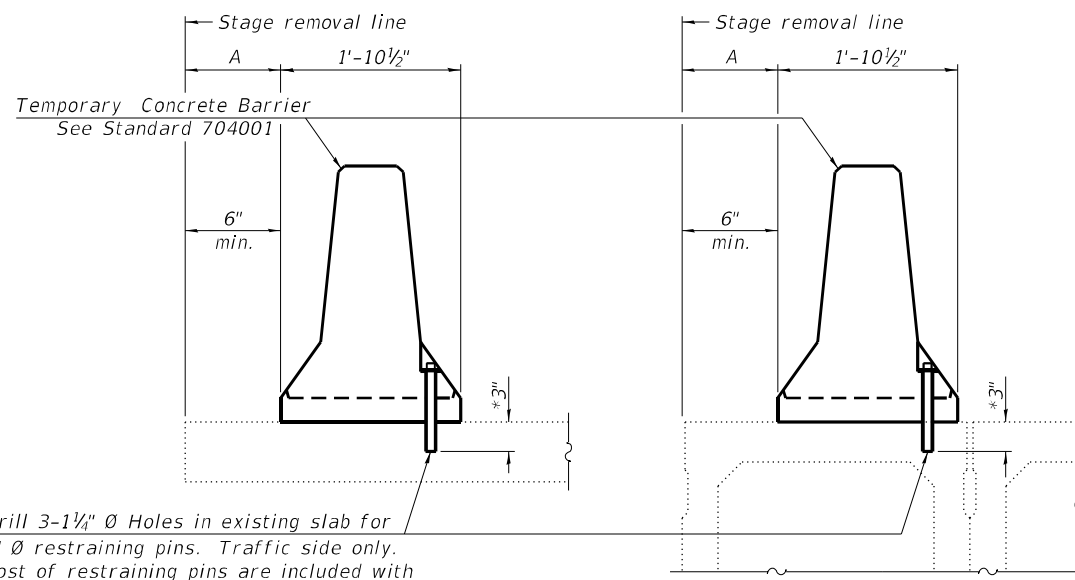
SHEET 5 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	46
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



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

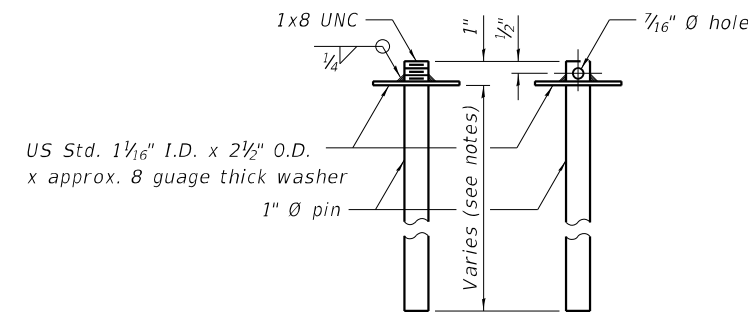
NEW SLAB OR NEW DECK BEAM



Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

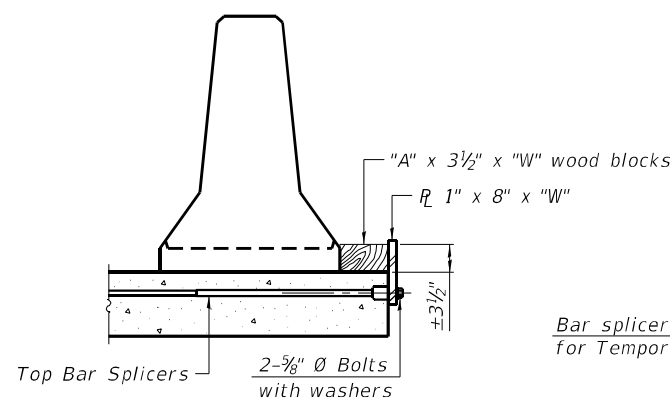
EXISTING DECK BEAM



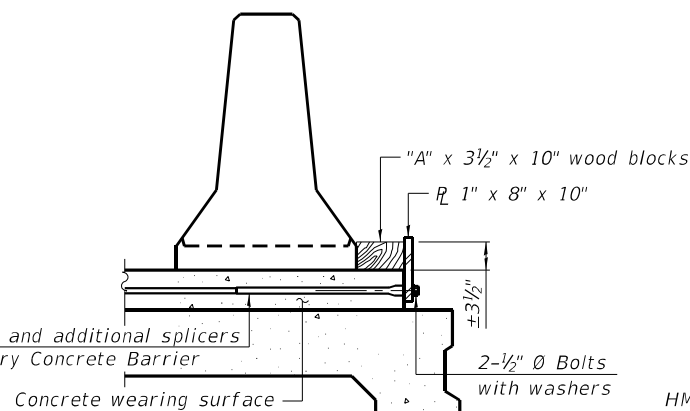
RESTRAINING PIN

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

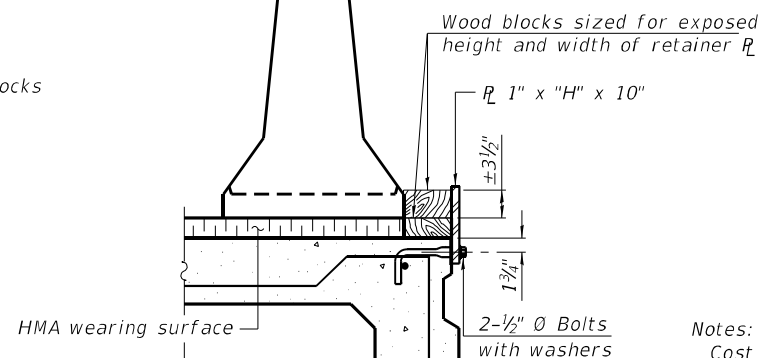
SECTIONS THRU SLAB OR DECK BEAM



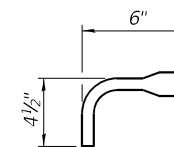
DETAIL I



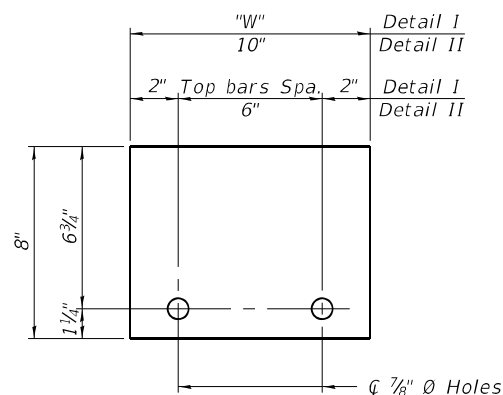
DETAIL II



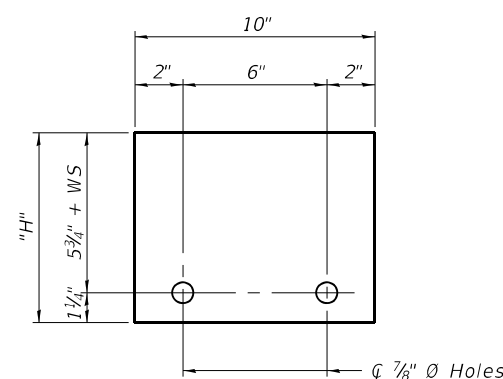
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate \bar{C} 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 1 1/2', 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.

MODEL: PLOT
 FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-06-TCB.dgn

R-27 2-17-2017



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/4/2021

DESIGNED - SHL
 CHECKED - RDP
 DRAWN - KAH
 CHECKED - RDP

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
 STRUCTURE NO. 046-0161

SHEET 6 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	47
CONTRACT NO. 66F88				

ILLINOIS FED. AID PROJECT

BEAM 1

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	965+33.00	-16.25	619.79	619.79
W. End of Slab	965+34.00	-16.25	619.79	619.79
☐ Brg. W. Abut.	965+34.96	-16.25	619.79	619.79
a	965+44.96	-16.25	619.83	619.88
b	965+54.96	-16.25	619.86	619.95
c	965+64.96	-16.25	619.89	620.01
d	965+74.96	-16.25	619.91	620.05
e	965+84.96	-16.25	619.92	620.07
f	965+94.96	-16.25	619.92	620.06
g	966+04.96	-16.25	619.92	620.05
h	966+14.96	-16.25	619.91	620.00
i	966+24.96	-16.25	619.90	619.94
☐ Brg. E. Abut.	966+34.04	-16.25	619.88	619.88
E. End of Slab	966+35.00	-16.25	619.88	619.88
Bk. of E. Abut.	966+36.00	-16.25	619.88	619.88

BEAM 2

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	965+33.00	-9.75	619.91	619.91
W. End of Slab	965+34.00	-9.75	619.91	619.91
☐ Brg. W. Abut.	965+34.96	-9.75	619.91	619.91
a	965+44.96	-9.75	619.95	620.00
b	965+54.96	-9.75	619.98	620.07
c	965+64.96	-9.75	620.01	620.13
d	965+74.96	-9.75	620.03	620.17
e	965+84.96	-9.75	620.04	620.19
f	965+94.96	-9.75	620.04	620.18
g	966+04.96	-9.75	620.04	620.17
h	966+14.96	-9.75	620.03	620.12
i	966+24.96	-9.75	620.02	620.06
☐ Brg. E. Abut.	966+34.04	-9.75	620.00	620.00
E. End of Slab	966+35.00	-9.75	620.00	620.00
Bk. of E. Abut.	966+36.00	-9.75	620.00	620.00

BEAM 3

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	965+33.00	-3.25	620.01	620.01
W. End of Slab	965+34.00	-3.25	620.01	620.01
☐ Brg. W. Abut.	965+34.96	-3.25	620.01	620.01
a	965+44.96	-3.25	620.05	620.10
b	965+54.96	-3.25	620.08	620.17
c	965+64.96	-3.25	620.11	620.23
d	965+74.96	-3.25	620.13	620.27
e	965+84.96	-3.25	620.14	620.29
f	965+94.96	-3.25	620.14	620.28
g	966+04.96	-3.25	620.14	620.27
h	966+14.96	-3.25	620.13	620.22
i	966+24.96	-3.25	620.12	620.16
☐ Brg. E. Abut.	966+34.04	-3.25	620.10	620.10
E. End of Slab	966+35.00	-3.25	620.10	620.10
Bk. of E. Abut.	966+36.00	-3.25	620.10	620.10

☐ ROADWAY & PROFILE GRADE

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	965+33.00	0.00	620.06	620.06
W. End of Slab	965+34.00	0.00	620.06	620.06
☐ Brg. W. Abut.	965+34.96	0.00	620.06	620.06
a	965+44.96	0.00	620.10	620.15
b	965+54.96	0.00	620.13	620.22
c	965+64.96	0.00	620.16	620.28
d	965+74.96	0.00	620.18	620.32
e	965+84.96	0.00	620.19	620.34
f	965+94.96	0.00	620.19	620.34
g	966+04.96	0.00	620.19	620.31
h	966+14.96	0.00	620.18	620.27
i	966+24.96	0.00	620.17	620.21
☐ Brg. E. Abut.	966+34.04	0.00	620.15	620.15
E. End of Slab	966+35.00	0.00	620.15	620.15
Bk. of E. Abut.	966+36.00	0.00	620.15	620.15

STAGE CONSTRUCTION LINE

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	965+33.00	1.63	620.03	620.03
W. End of Slab	965+34.00	1.63	620.04	620.04
☐ Brg. W. Abut.	965+34.96	1.63	620.04	620.04
a	965+44.96	1.63	620.07	620.12
b	965+54.96	1.63	620.11	620.19
c	965+64.96	1.63	620.14	620.25
d	965+74.96	1.63	620.16	620.29
e	965+84.96	1.63	620.17	620.30
f	965+94.96	1.63	620.17	620.30
g	966+04.96	1.63	620.17	620.28
h	966+14.96	1.63	620.16	620.24
i	966+24.96	1.63	620.15	620.19
☐ Brg. E. Abut.	966+34.04	1.63	620.13	620.13
E. End of Slab	966+35.00	1.63	620.13	620.13
Bk. of E. Abut.	966+36.00	1.63	620.12	620.12

BEAM 4

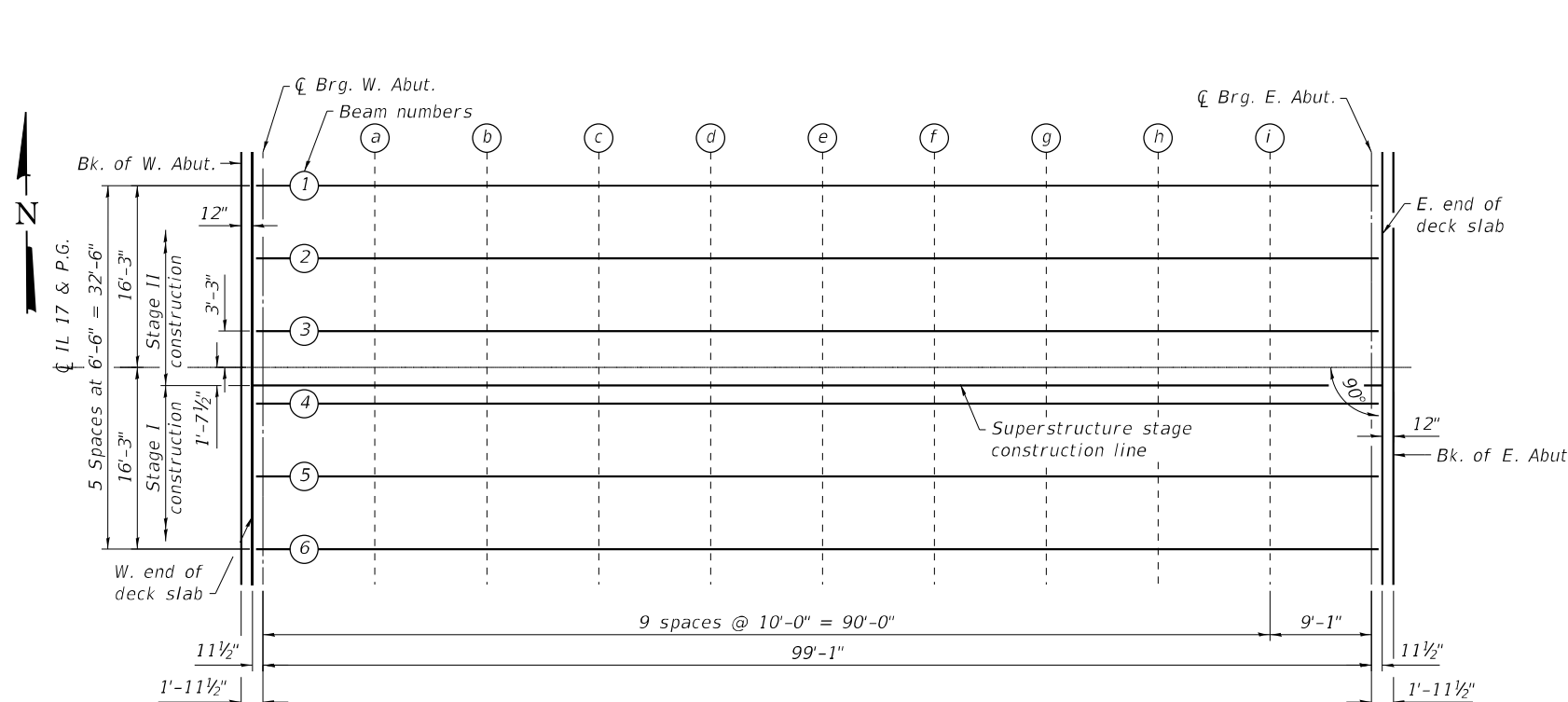
Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	965+33.00	3.25	620.01	620.01
W. End of Slab	965+34.00	3.25	620.01	620.01
☐ Brg. W. Abut.	965+34.96	3.25	620.01	620.01
a	965+44.96	3.25	620.05	620.10
b	965+54.96	3.25	620.08	620.17
c	965+64.96	3.25	620.11	620.23
d	965+74.96	3.25	620.13	620.27
e	965+84.96	3.25	620.14	620.29
f	965+94.96	3.25	620.14	620.28
g	966+04.96	3.25	620.14	620.27
h	966+14.96	3.25	620.13	620.22
i	966+24.96	3.25	620.12	620.16
☐ Brg. E. Abut.	966+34.04	3.25	620.10	620.10
E. End of Slab	966+35.00	3.25	620.10	620.10
Bk. of E. Abut.	966+36.00	3.25	620.10	620.10

BEAM 5

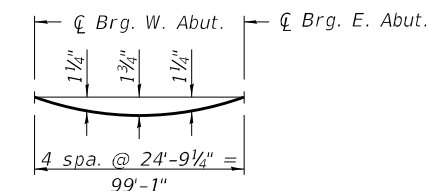
Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	965+33.00	9.75	619.91	619.91
W. End of Slab	965+34.00	9.75	619.91	619.91
☐ Brg. W. Abut.	965+34.96	9.75	619.91	619.91
a	965+44.96	9.75	619.95	620.00
b	965+54.96	9.75	619.98	620.07
c	965+64.96	9.75	620.01	620.13
d	965+74.96	9.75	620.03	620.17
e	965+84.96	9.75	620.04	620.19
f	965+94.96	9.75	620.04	620.18
g	966+04.96	9.75	620.04	620.17
h	966+14.96	9.75	620.03	620.12
i	966+24.96	9.75	620.02	620.06
☐ Brg. E. Abut.	966+34.04	9.75	620.00	620.00
E. End of Slab	966+35.00	9.75	620.00	620.00
Bk. of E. Abut.	966+36.00	9.75	620.00	620.00

BEAM 6

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	965+33.00	16.25	619.79	619.79
W. End of Slab	965+34.00	16.25	619.79	619.79
☐ Brg. W. Abut.	965+34.96	16.25	619.79	619.79
a	965+44.96	16.25	619.83	619.88
b	965+54.96	16.25	619.86	619.95
c	965+64.96	16.25	619.89	620.01
d	965+74.96	16.25	619.91	620.05
e	965+84.96	16.25	619.92	620.07
f	965+94.96	16.25	619.92	620.06
g	966+04.96	16.25	619.92	620.05
h	966+14.96	16.25	619.91	620.00
i	966+24.96	16.25	619.90	619.94
☐ Brg. E. Abut.	966+34.04	16.25	619.88	619.88
E. End of Slab	966+35.00	16.25	619.88	619.88
Bk. of E. Abut.	966+36.00	16.25	619.88	619.88

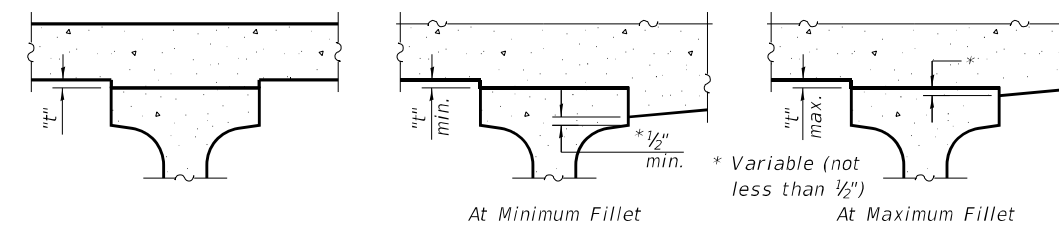


PLAN



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only, excluding beams)

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



INTERIOR BEAMS

EXTERIOR BEAMS

To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown above, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

MODEL: PLOT
FILE NAME: Y:\DOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-07-TSlabElev.dgn



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/4/2021

DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 046-0161**

SHEET 7 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	48
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

NORTH EDGE OF SHOULDER

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of W. Appr.	965+04.00	-18.00	619.60
A1	965+14.00	-18.00	619.66
A2	965+24.00	-18.00	619.71
E. End of W. Appr.	965+34.00	-18.00	619.76

NORTH EDGE OF ROADWAY

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of W. Appr.	965+04.00	-12.00	619.72
A1	965+14.00	-12.00	619.78
A2	965+24.00	-12.00	619.83
E. End of W. Appr.	965+34.00	-12.00	619.88

CL ROADWAY & P.G.

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of W. Appr.	965+04.00	0.00	619.90
A1	965+14.00	0.00	619.96
A2	965+24.00	0.00	620.01
E. End of W. Appr.	965+34.00	0.00	620.06

STAGE CONSTRUCTION LINE

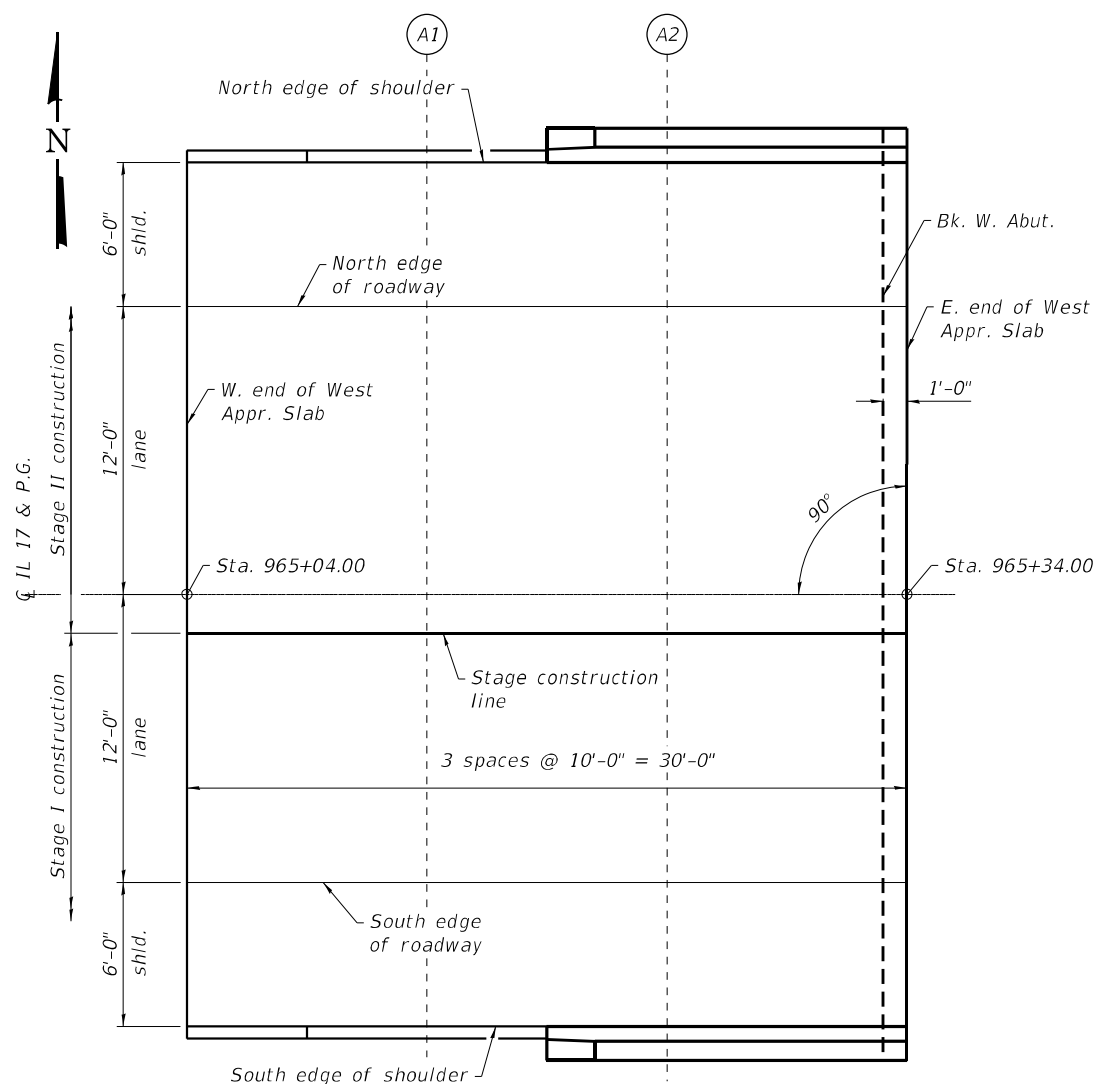
Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of W. Appr.	965+04.00	1.63	619.88
A1	965+14.00	1.63	619.94
A2	965+24.00	1.63	619.99
E. End of W. Appr.	965+34.00	1.63	620.04

SOUTH EDGE OF ROADWAY

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of W. Appr.	965+04.00	12.00	619.72
A1	965+14.00	12.00	619.78
A2	965+24.00	12.00	619.83
E. End of W. Appr.	965+34.00	12.00	619.88

SOUTH EDGE OF SHOULDER

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of W. Appr.	965+04.00	18.00	619.60
A1	965+14.00	18.00	619.66
A2	965+24.00	18.00	619.71
E. End of W. Appr.	965+34.00	18.00	619.76



WEST APPROACH SLAB PLAN

MODEL: PLOT
FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-08-TAppSlabElev.dgn



USER NAME = kah	DESIGNED - SHL	REVISED -
ESCA PROJECT NO. 1352.02	CHECKED - RDP	REVISED -
PLOT SCALE = 0.2" / in.	DRAWN - KAH	REVISED -
PLOT DATE = 3/4/2021	CHECKED - RDP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 046-0161**

SHEET 8 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	49
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

NORTH EDGE OF SHOULDER

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of E. Appr.	966+35.00	-18.00	619.85
A3	966+45.00	-18.00	619.82
A4	966+55.00	-18.00	619.79
E. End of E. Appr.	966+65.00	-18.00	619.75

NORTH EDGE OF ROADWAY

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of E. Appr.	966+35.00	-12.00	619.97
A3	966+45.00	-12.00	619.94
A4	966+55.00	-12.00	619.91
E. End of E. Appr.	966+65.00	-12.00	619.87

CL ROADWAY & P.G.

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of E. Appr.	966+35.00	0.00	620.15
A3	966+45.00	0.00	620.12
A4	966+55.00	0.00	620.09
E. End of E. Appr.	966+65.00	0.00	620.05

STAGE CONSTRUCTION LINE

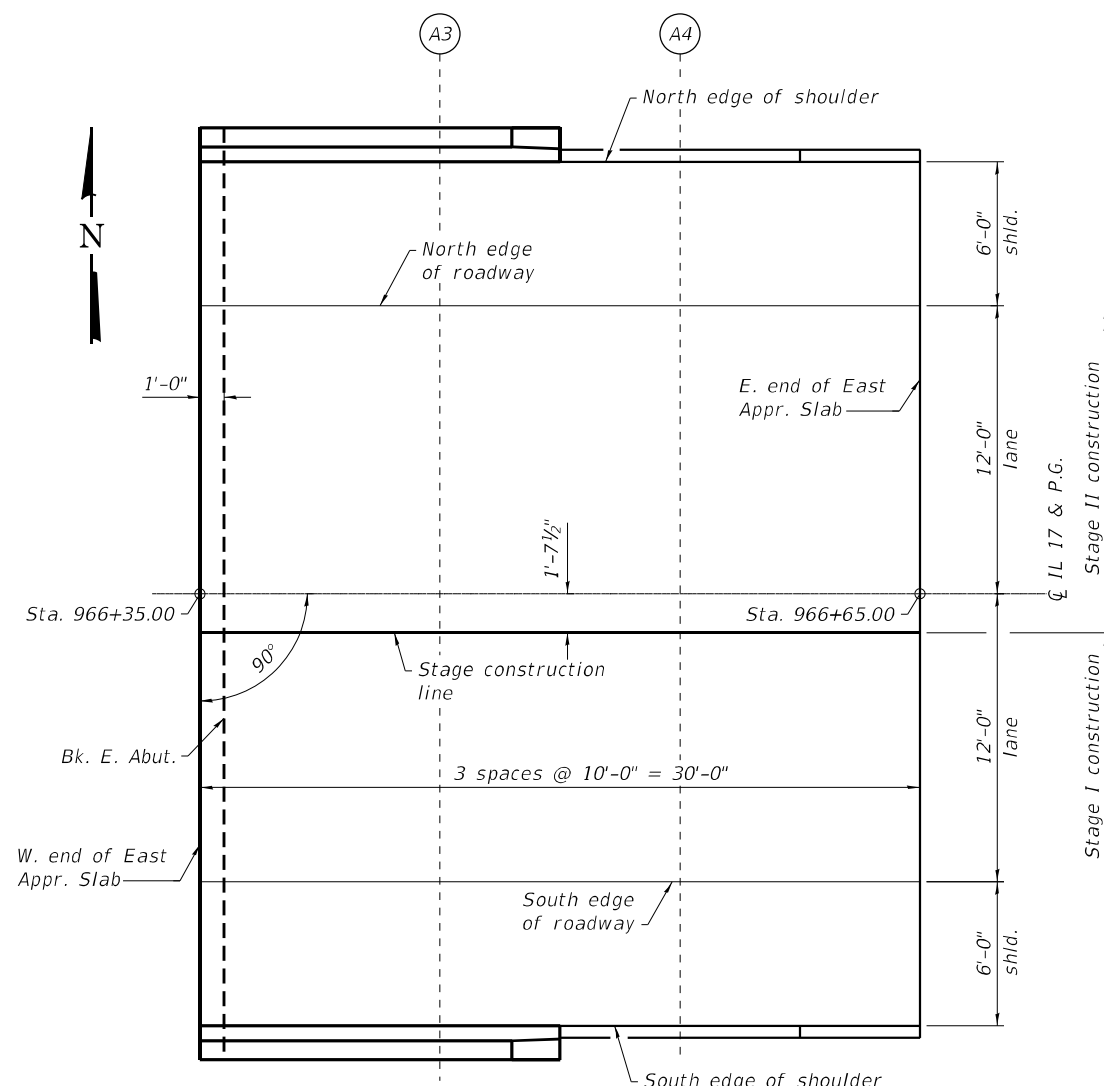
Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of E. Appr.	966+35.00	1.63	620.13
A3	966+45.00	1.63	620.10
A4	966+55.00	1.63	620.07
E. End of E. Appr.	966+65.00	1.63	620.04

SOUTH EDGE OF ROADWAY

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of E. Appr.	966+35.00	12.00	619.97
A3	966+45.00	12.00	619.94
A4	966+55.00	12.00	619.91
E. End of E. Appr.	966+65.00	12.00	619.87

SOUTH EDGE OF SHOULDER

Location	Station	Offset (ft.)	Theoretical Grade Elevations
W. End of E. Appr.	966+35.00	18.00	619.85
A3	966+45.00	18.00	619.82
A4	966+55.00	18.00	619.79
E. End of E. Appr.	966+65.00	18.00	619.75



EAST APPROACH SLAB PLAN

MODEL: PLOT
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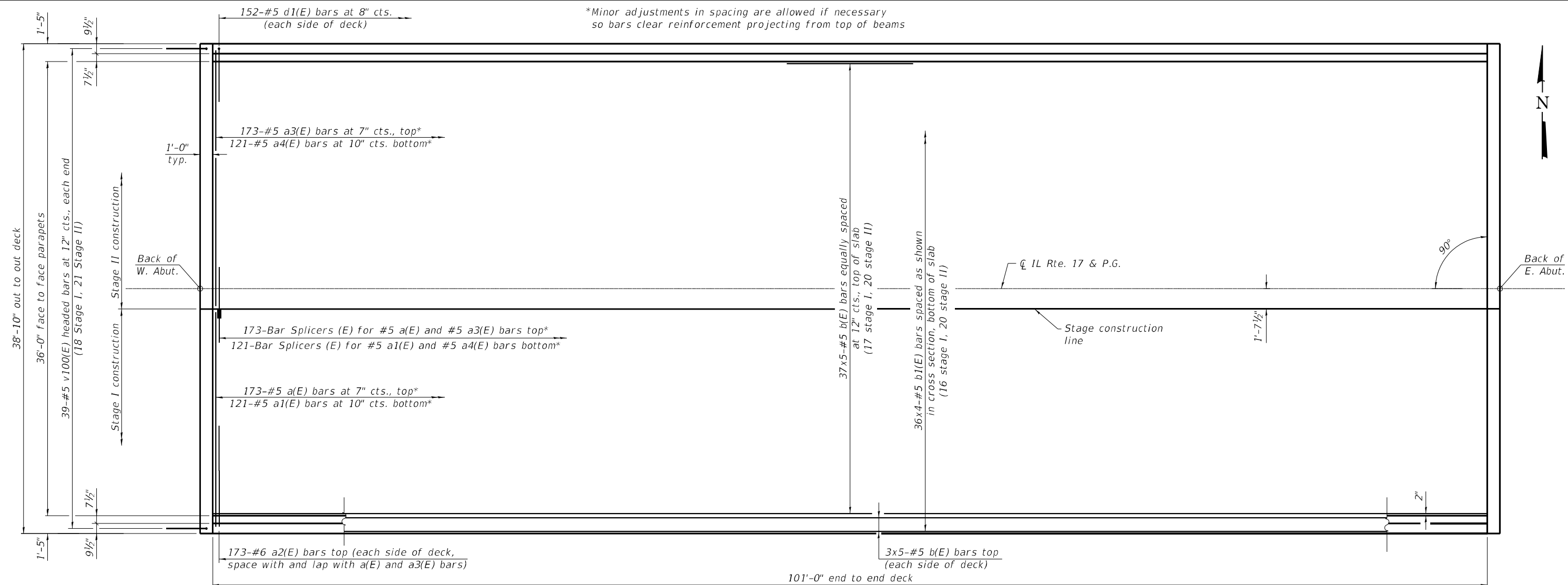
USER NAME = kah	DESIGNED - SHL	REVISED -
ESCA PROJECT NO. 1352.02	CHECKED - RDP	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH	REVISED -
PLOT DATE = 3/4/2021	CHECKED - RDP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 046-0161**

SHEET 9 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	50
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

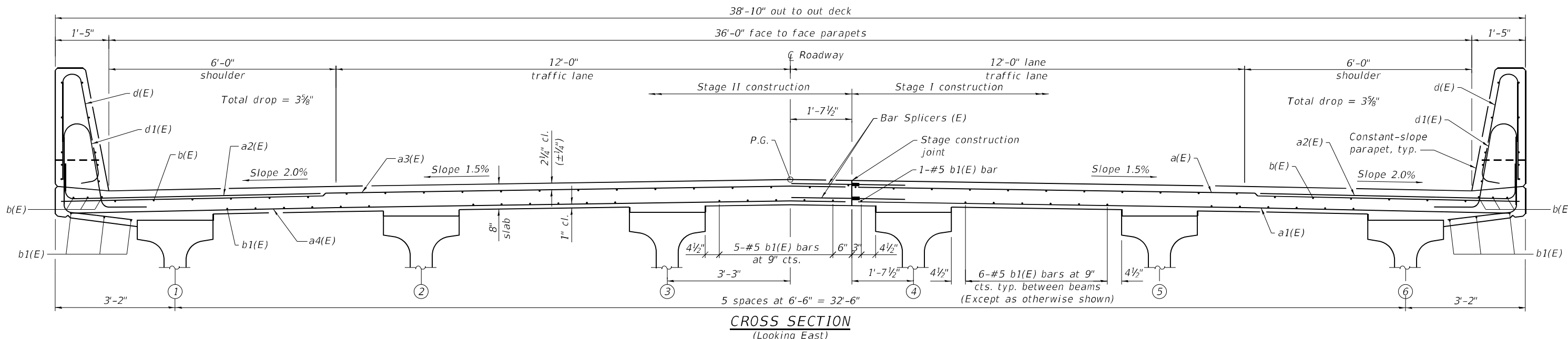


*Minor adjustments in spacing are allowed if necessary so bars clear reinforcement projecting from top of beams

MINIMUM BAR LAP
#5 bar = 3'-6"

Notes:
See Sheet 11 of 24 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.

PLAN



CROSS SECTION
(Looking East)

MODEL: PLOT
FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66f88-10-5prc.dgn



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.2" = 1' / in.
PLOT DATE = 3/4/2021

DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP

REVISED -
REVISED -
REVISED -
REVISED -

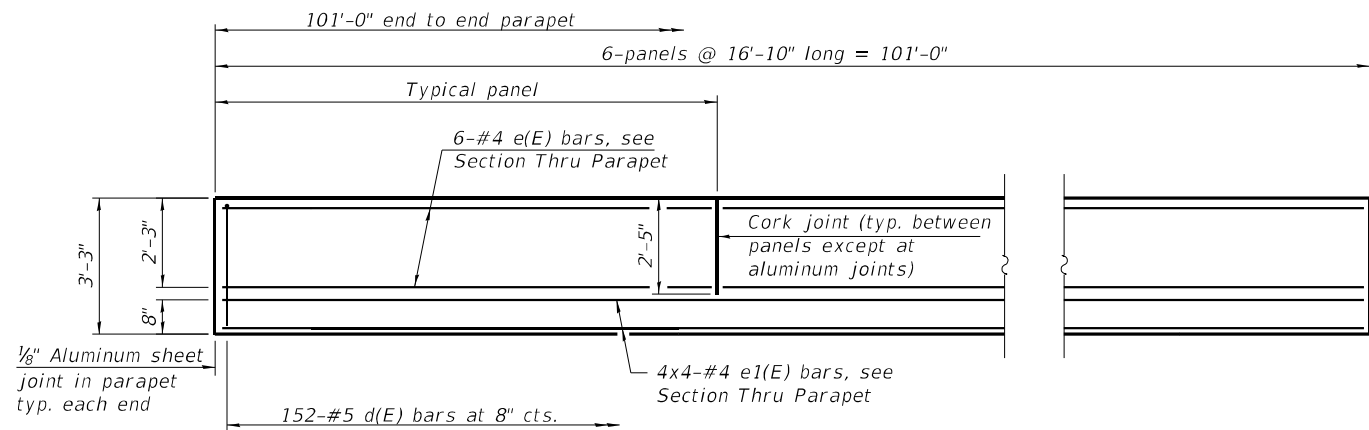
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 046-0161

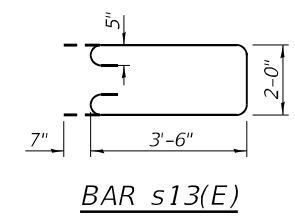
SHEET 10 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	51
CONTRACT NO. 66F88				

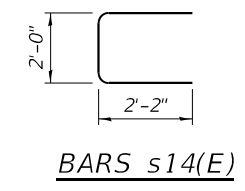
ILLINOIS FED. AID PROJECT



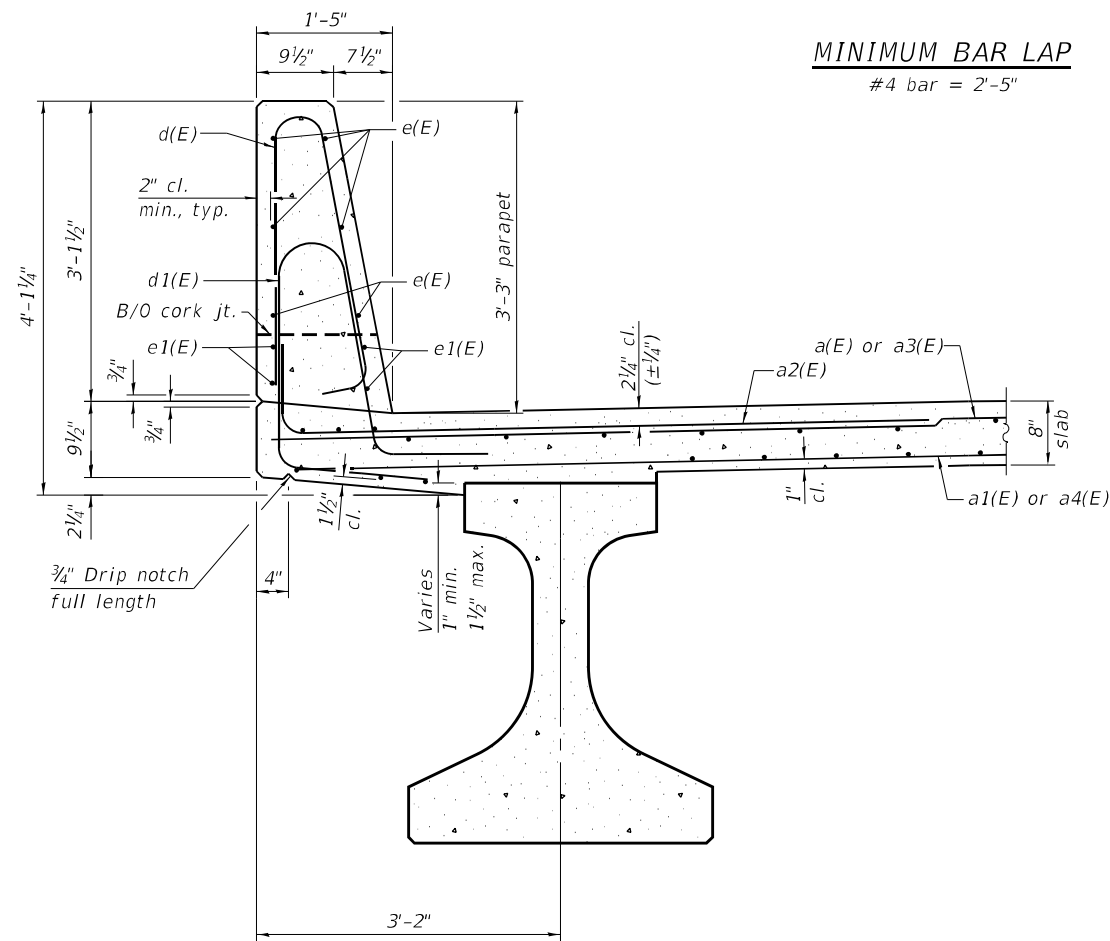
INSIDE ELEVATION OF PARAPET



BAR s13(E)



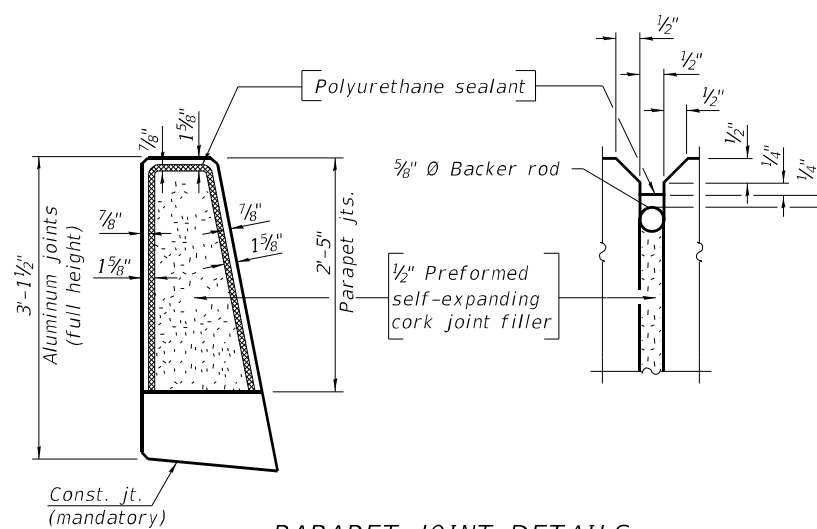
BARS s14(E)



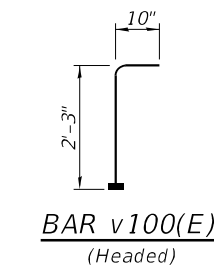
SECTION THRU PARAPET

MINIMUM BAR LAP

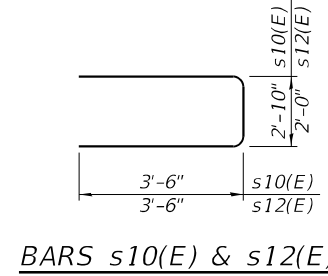
#4 bar = 2'-5"



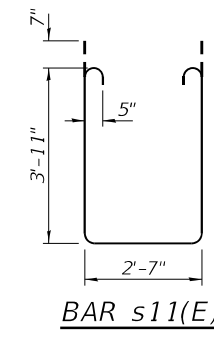
PARAPET JOINT DETAILS



**BAR v100(E)
(Headed)**



BARS s10(E) & s12(E)



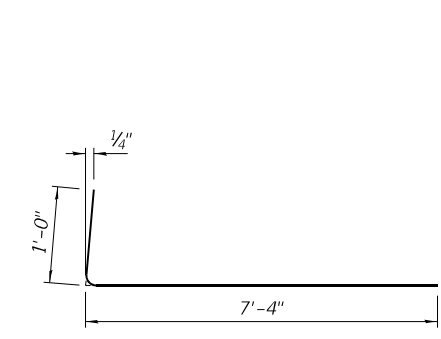
BAR s11(E)

Notes:

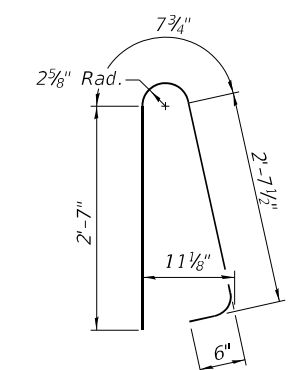
The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

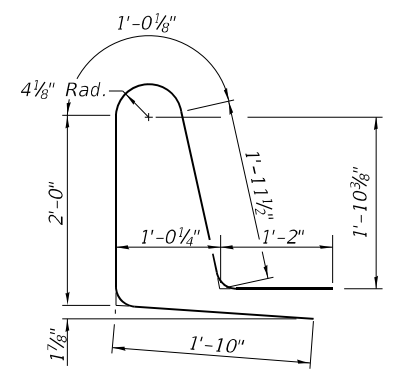
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



BAR a2(E)



BAR d(E)



BAR d1(E)

**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	173	#5	17'-6"	—
a1(E)	121	#5	16'-11"	—
a2(E)	346	#6	8'-4"	—
a3(E)	173	#5	20'-9"	—
a4(E)	121	#5	20'-2"	—
b(E)	215	#5	23'-1"	—
b1(E)	144	#5	27'-10"	—
d(E)	304	#5	6'-5"	—
d1(E)	304	#5	8'-0"	—
e(E)	72	#4	16'-6"	—
e1(E)	32	#4	27'-0"	—
m10(E)	12	#6	17'-6"	—
m11(E)	40	#6	5'-2"	—
m12(E)	16	#6	2'-7"	—
m13(E)	10	#6	3'-0"	—
m14(E)	4	#6	1'-3"	—
m15(E)	24	#5	4'-0"	—
m16(E)	12	#6	20'-9"	—
s10(E)	48	#5	9'-10"	—
s11(E)	58	#5	11'-7"	—
s12(E)	44	#5	9'-0"	—
s13(E)	4	#5	10'-2"	—
s14(E)	2	#5	6'-4"	—
v100(E)	78	#5	3'-1"	—
Reinforcement Bars, Epoxy Coated		Pound	34,340	
Concrete Superstructure		Cu. Yd.	165.1	

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

MODEL: PLOT
FILE NAME: Y:\DOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66f88-11-SprDtls.dgn



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.2" = 1' / in.
PLOT DATE = 3/4/2021

DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP

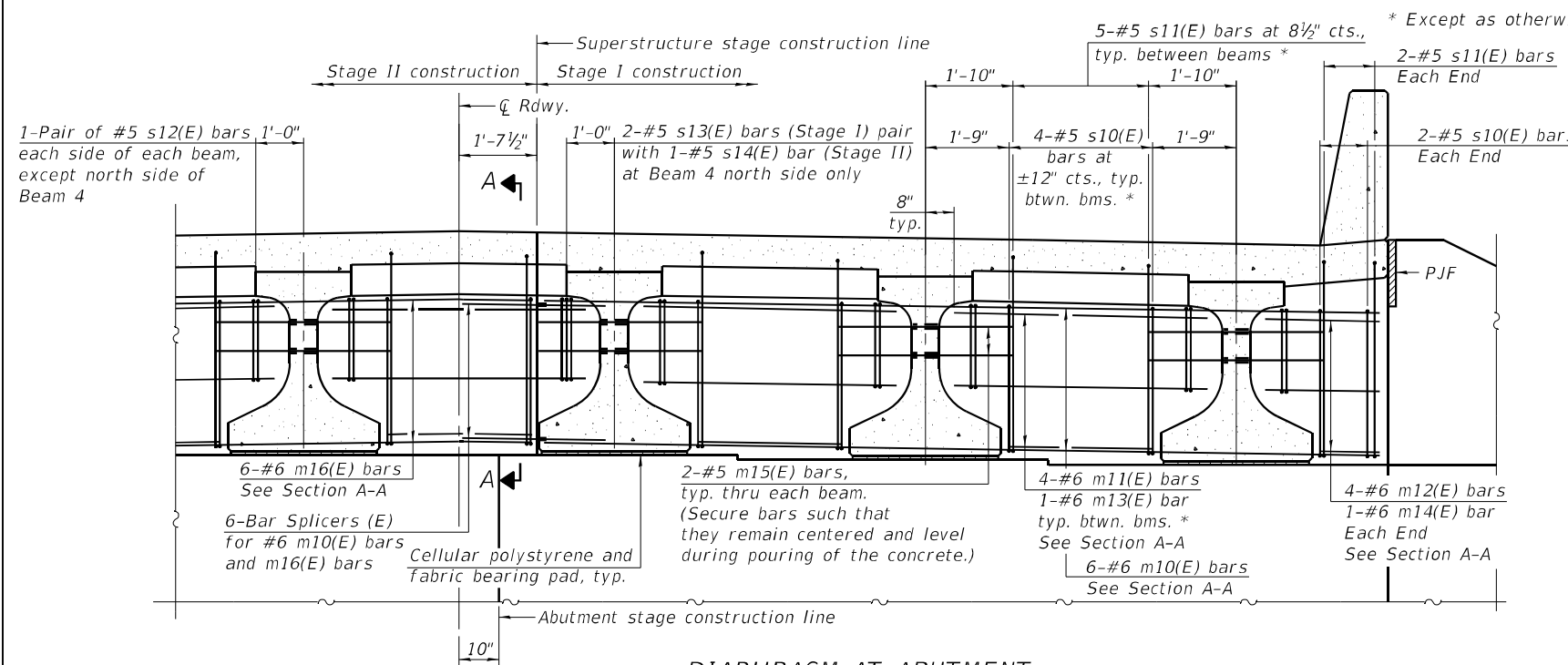
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

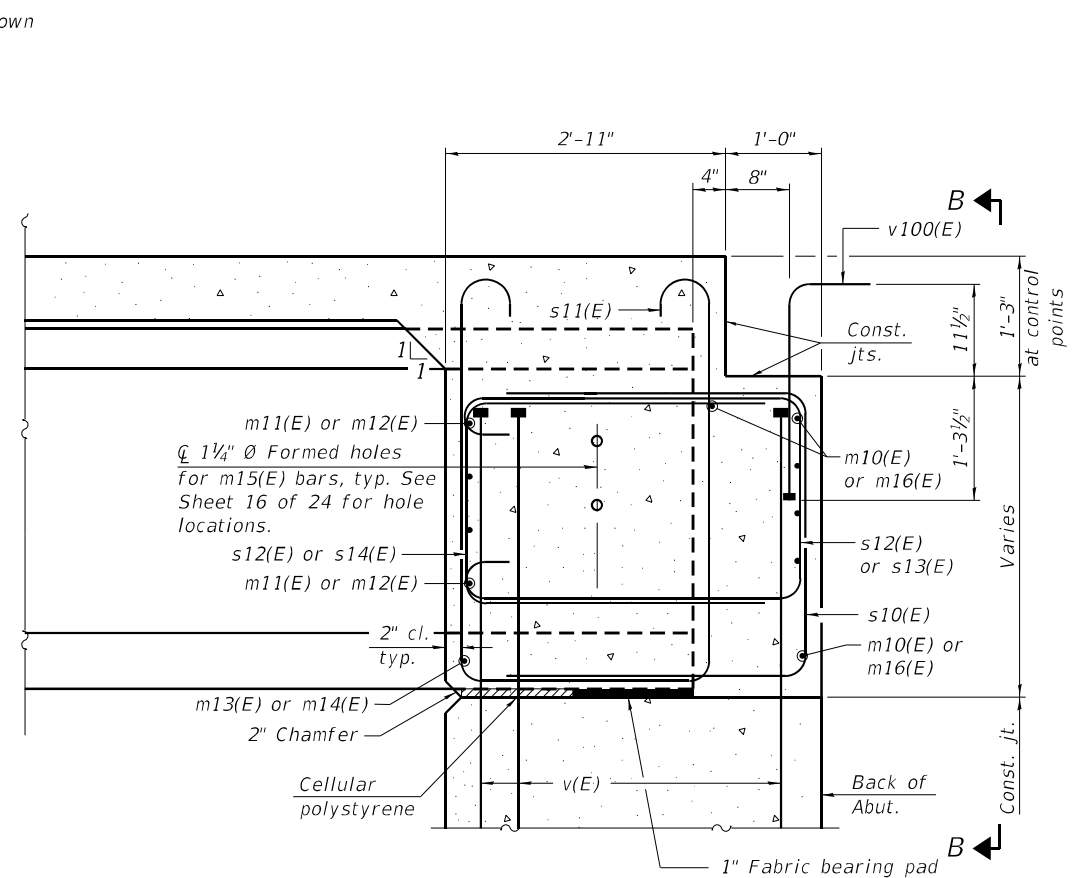
**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 046-0161**

SHEET 11 OF 24 SHEETS

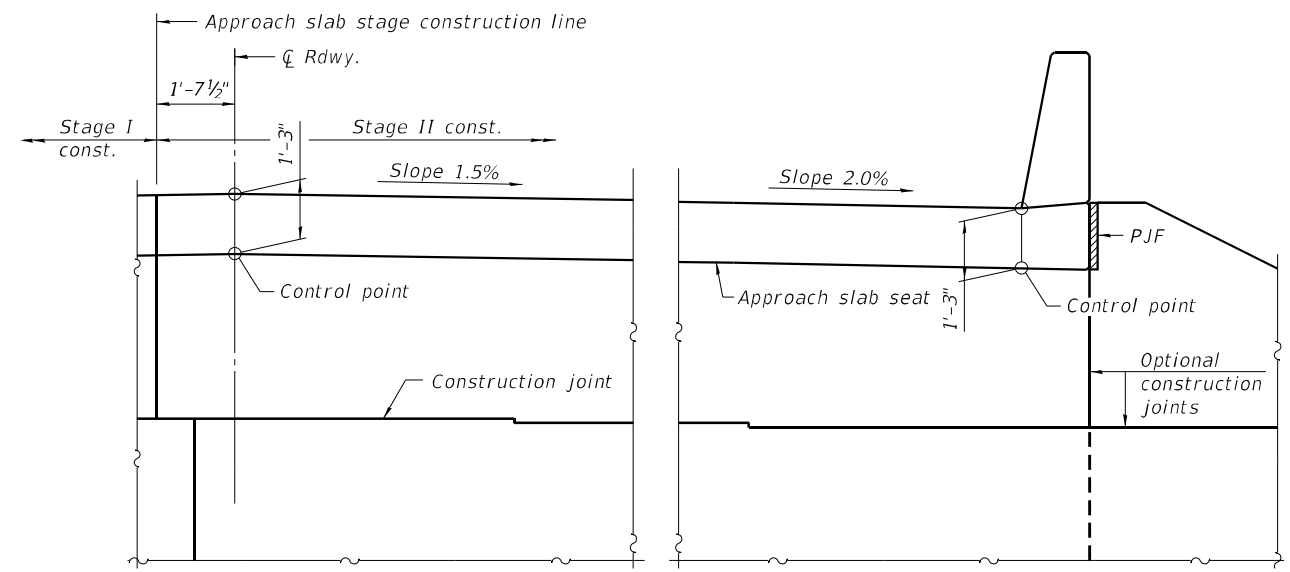
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66F88	



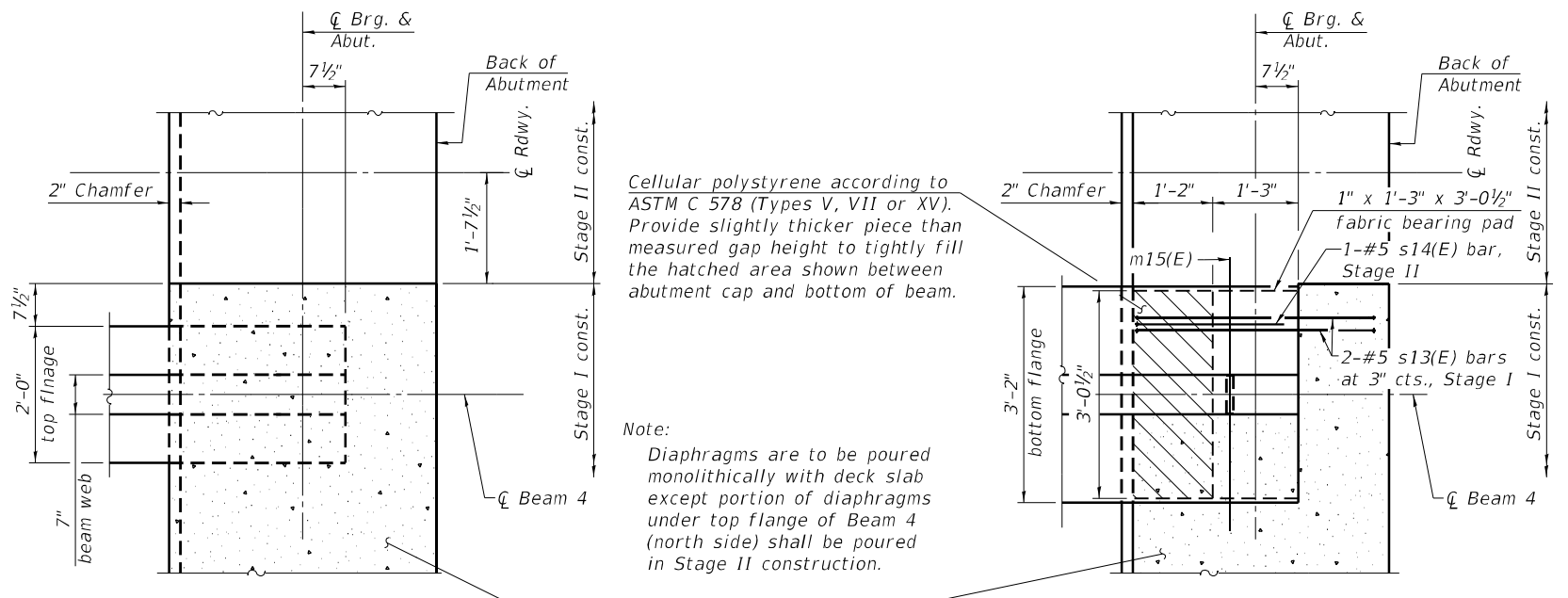
DIAPHRAGM AT ABUTMENT
(Looking East at East Abutment, West Abutment similar)



SECTION A-A



VIEW B-B
(Looking West at East Abutment, West Abutment similar)



ABOVE TOP FLANGE OF BEAM

BELOW TOP FLANGE OF BEAM

PARTIAL PLAN AT ABUTMENT
(East Abut. shown, West Abut. similar)

Notes:
Reinforcement bars in diaphragm are billed with superstructure on Sheet 11 of 24.
Concrete in diaphragm is included with Concrete Superstructure on Sheet 11 of 24.
For details of bars s10(E), s11(E), s12(E), s13(E), s14(E) and v100(E) see Sheet 11 of 24.
For details of bar v(E) see Sheets 18 and 19 of 24.
The approach slab seat shall have a constant slope determined from the control points shown.
Beams shall be braced for stability during erection and remain braced until the deck is poured and cured.
Cost of cellular polystyrene is included with Concrete Superstructure.
See Sheet 13 of 24 for P.J.F. details.

MODEL: PLOT
FILE NAME: Y:\DOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-12-Diaphragm.dgn



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.2" = 1' / in.
PLOT DATE = 3/4/2021

DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP
REVISED -
REVISED -
REVISED -
REVISED -

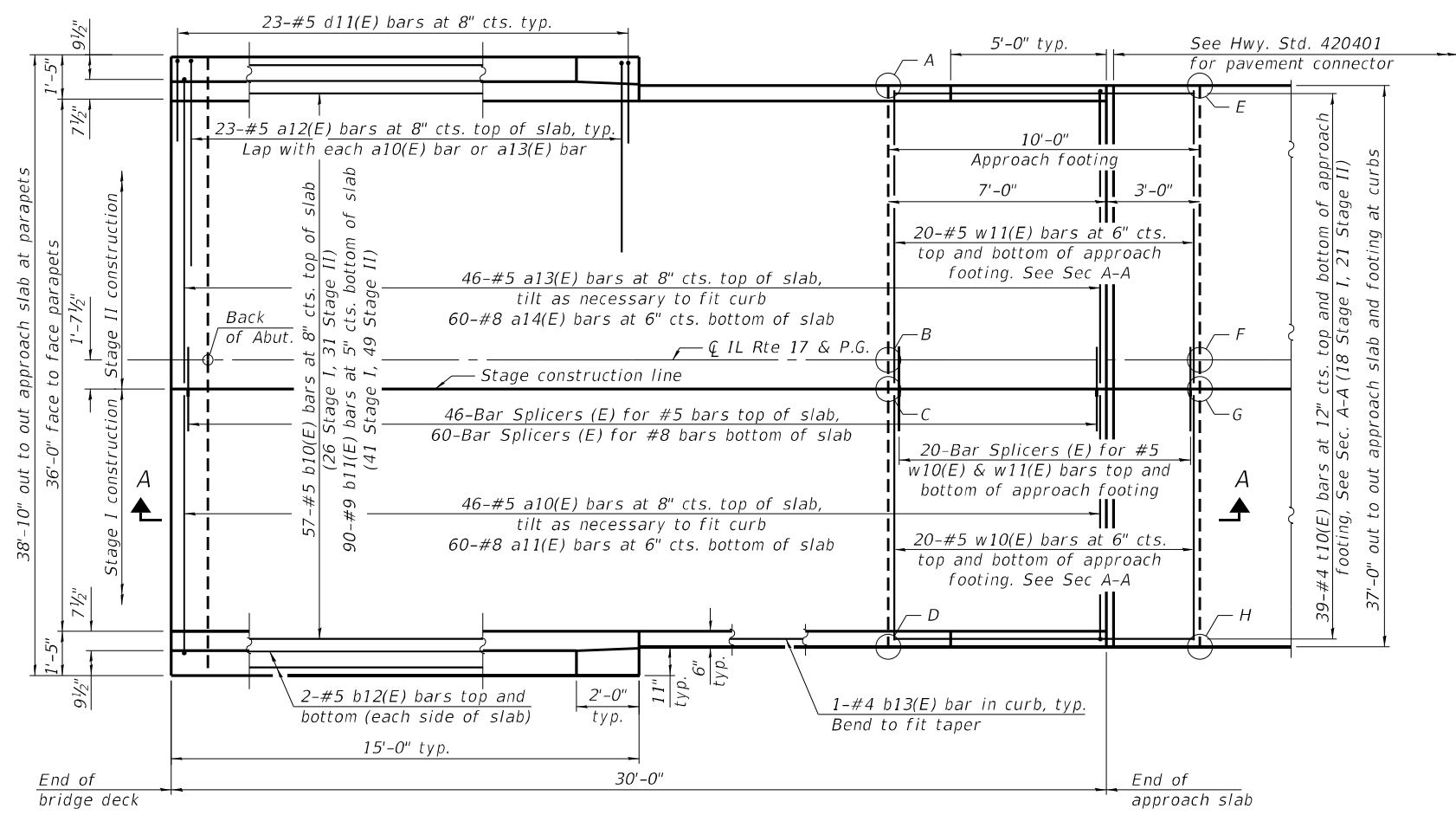
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS
STRUCTURE NO. 046-0161**

SHEET 12 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	53
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

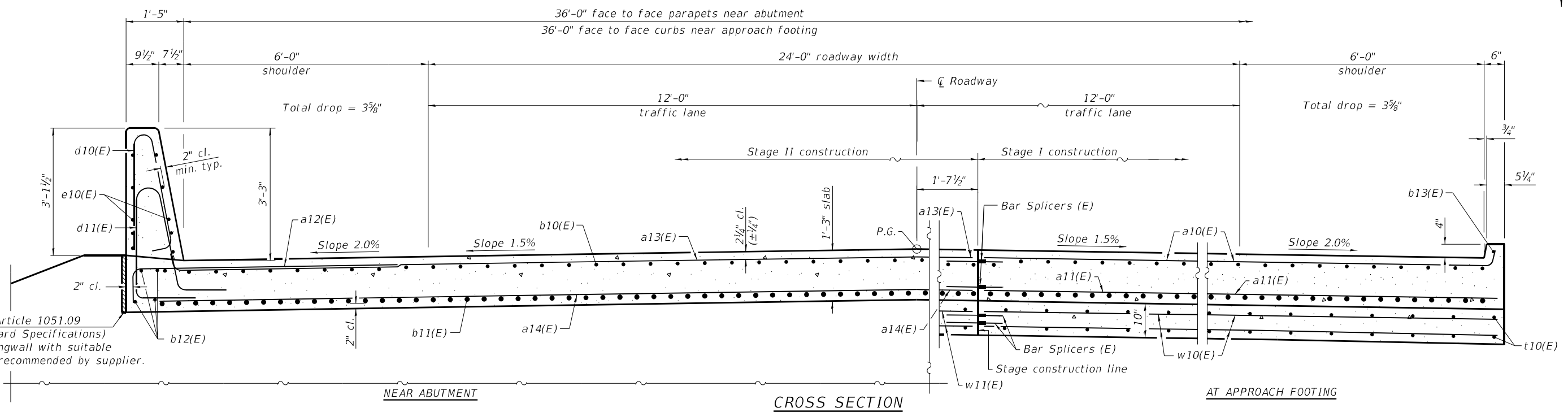
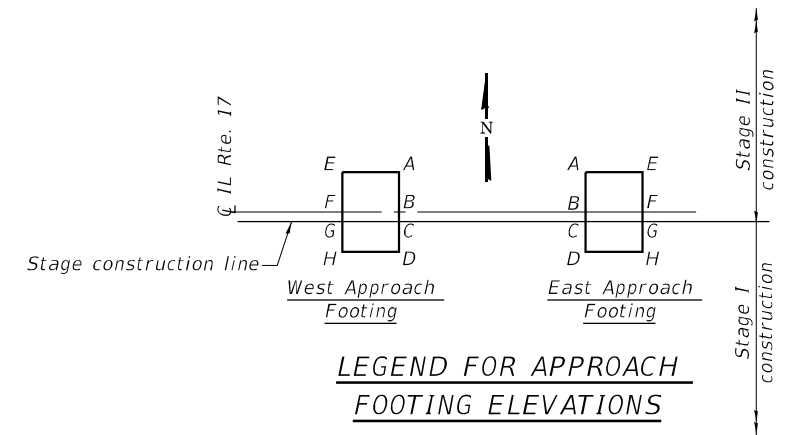
Note:
See Sheet 14 of 24 for Section A-A, Bill of Material and additional details.



PLAN
(Showing East Approach, West Approach similar)

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A	618.38	617.55	618.52	617.68
B	618.69	617.86	618.83	617.99
C	618.67	617.84	618.82	617.97
D	618.38	617.55	618.52	617.68
E	618.32	617.49	618.47	617.64
F	618.63	617.80	618.78	617.95
G	618.61	617.78	618.76	617.93
H	618.32	617.49	618.47	617.64



CROSS SECTION
(Looking East)
(Sheet 1 of 2)

MODEL: PLOT
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PLOT DATE = 3/4/2021

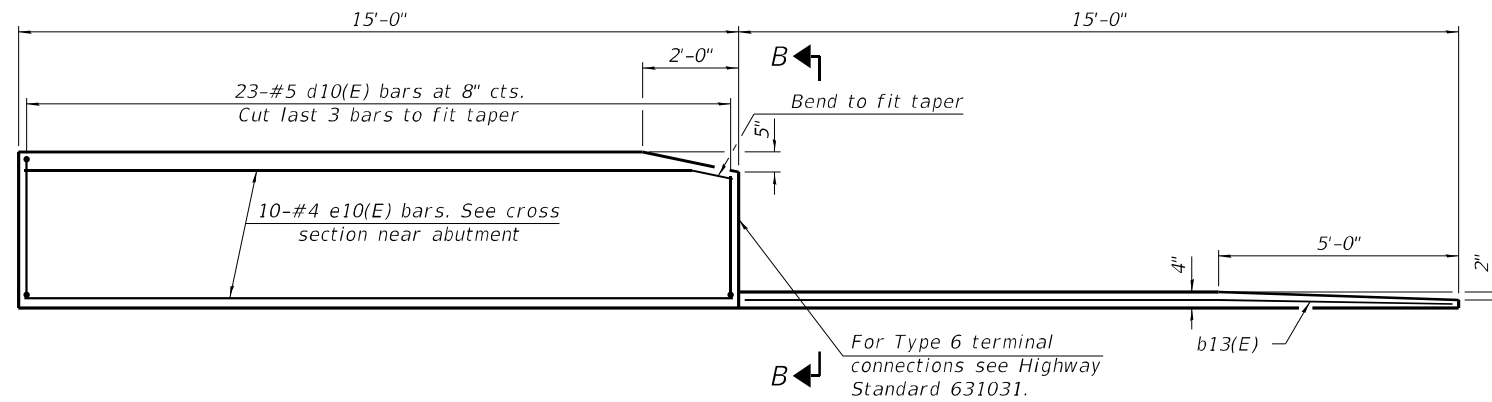
DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 046-0161**

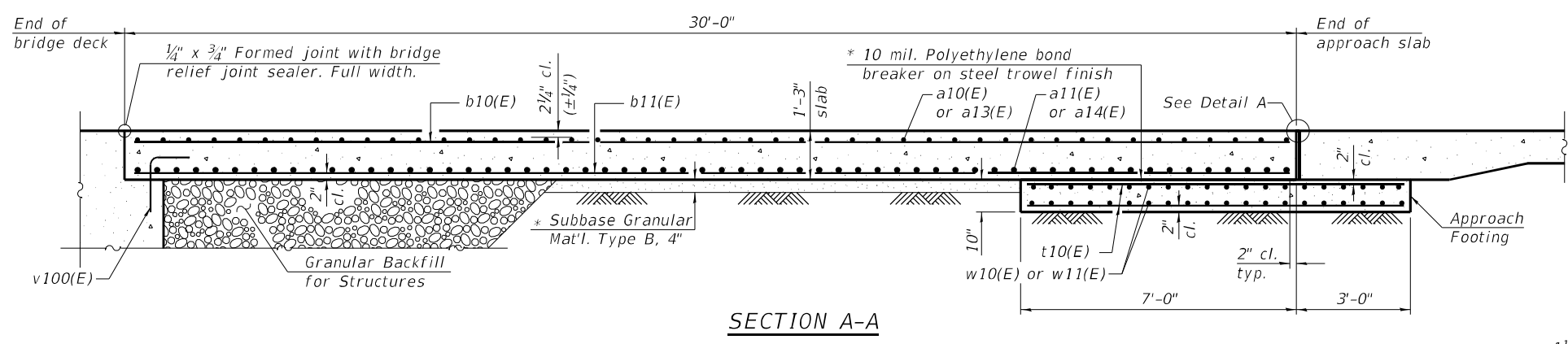
SHEET 13 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	54
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

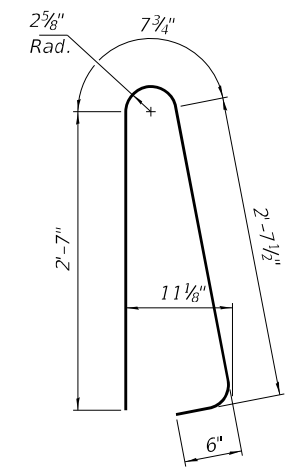


INSIDE ELEVATION OF PARAPET AND CURB

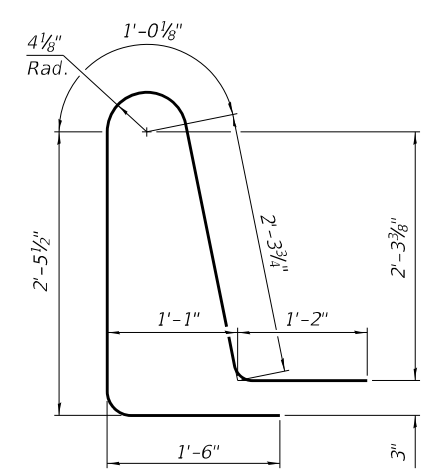
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach 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 2 of 24.



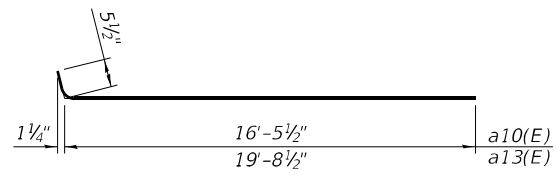
SECTION A-A



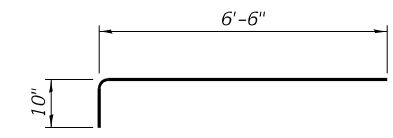
BAR d10(E)



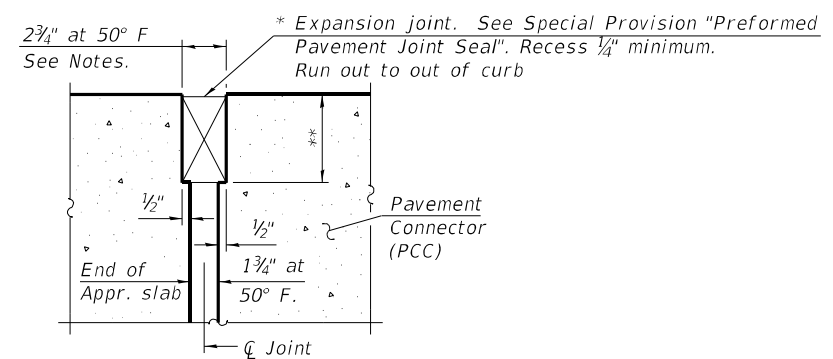
BAR d11(E)



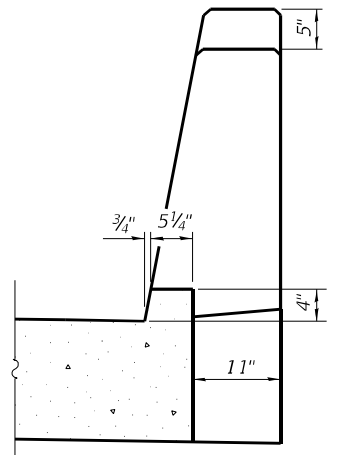
BARS a10(E) & a13(E)



BAR a12(E)



DETAIL A



VIEW B-B

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	92	#5	16'-11"	—
a11(E)	120	#8	16'-7"	—
a12(E)	92	#5	7'-4"	—
a13(E)	92	#5	20'-2"	—
a14(E)	120	#8	19'-10"	—
b10(E)	114	#5	29'-8"	—
b11(E)	180	#9	29'-8"	—
b12(E)	16	#5	14'-8"	—
b13(E)	4	#4	14'-8"	—
d10(E)	92	#5	6'-5"	⌒
d11(E)	92	#5	8'-6"	⌒
e10(E)	40	#4	14'-8"	—
t10(E)	156	#4	9'-8"	—
w10(E)	80	#5	16'-7"	—
w11(E)	80	#5	19'-10"	—
Concrete Superstructure		Cu. Yd.	7.7	
Concrete Superstructure (Approach Slab)		Cu. Yd.	106.0	
Concrete Structures		Cu. Yd.	22.8	
Reinforcement Bars, Epoxy Coated		Pound	43,770	

* Cost included with Concrete Superstructure (Approach Slab).
 ** Per manufacturer recommendations

MODEL: PLOT
 FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-14-ApprDtls.dgn



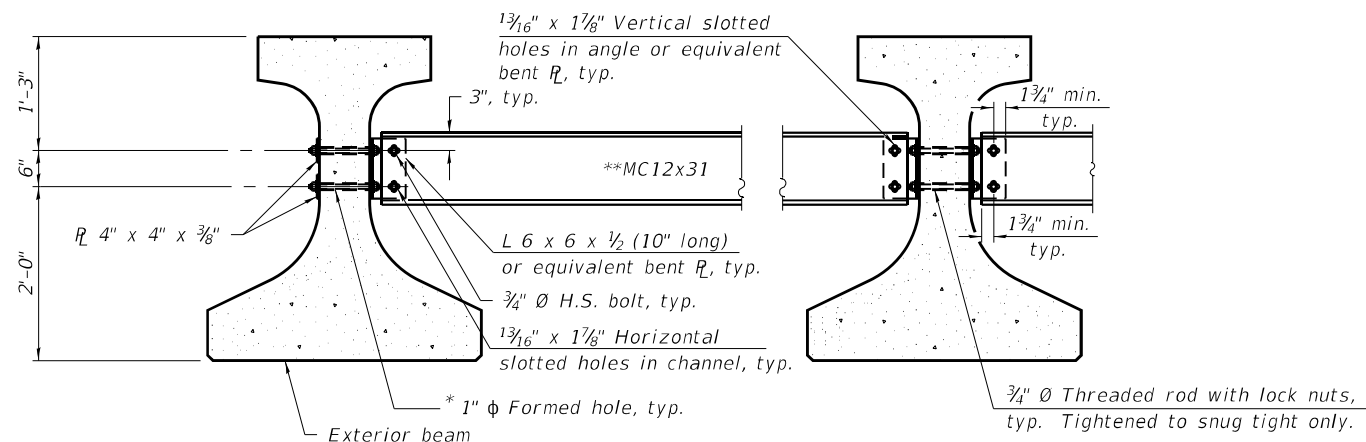
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ESCA PROJECT NO. 1352.02	CHECKED - RDP	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH	REVISED -
PLOT DATE = 3/4/2021	CHECKED - RDP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

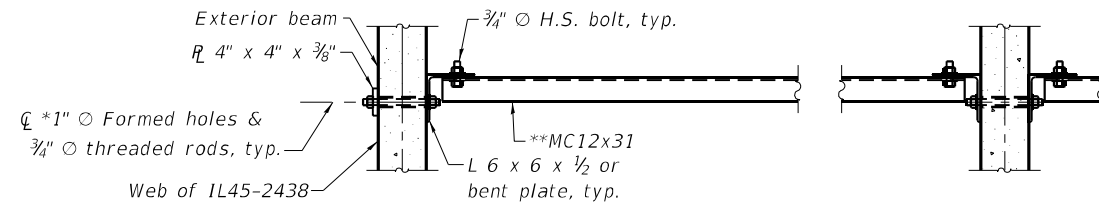
**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 046-0161**

SHEET 14 OF 24 SHEETS

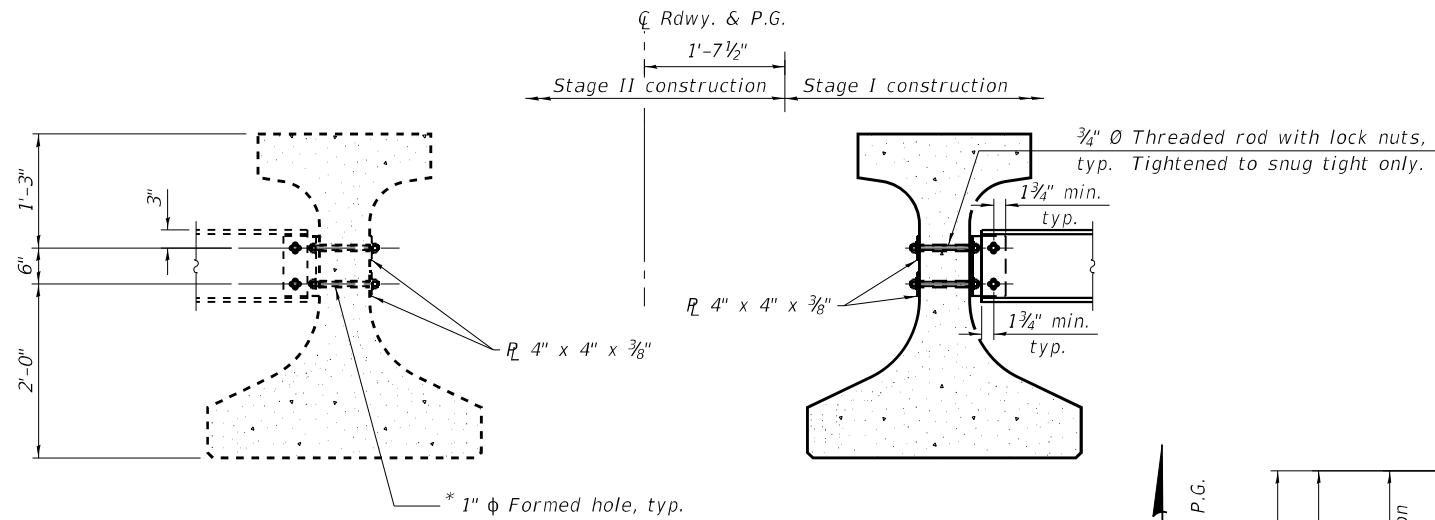
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	55
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



TYPICAL ELEVATION



TYPICAL PLAN



ELEVATION AT STAGE LINE
(Looking East)

Notes:
 All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.
 Two hardened washers are required for each set of oversized holes.
 All holes shall be 15/16" Ø unless otherwise noted.
 5/16" x 3" x 3" plate washers are required over all slotted holes.
 All bolts, threaded rods, and hardware shall be galvanized according to AASHTO M232.
 Threaded rods shall be ASTM F 1554 Grade 55.
 Bracing shall be installed as beams are erected and tightened as soon as possible during erection.
 Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete Beams.
 See Sheets 16 & 17 of 24 for additional PPC Beam details.

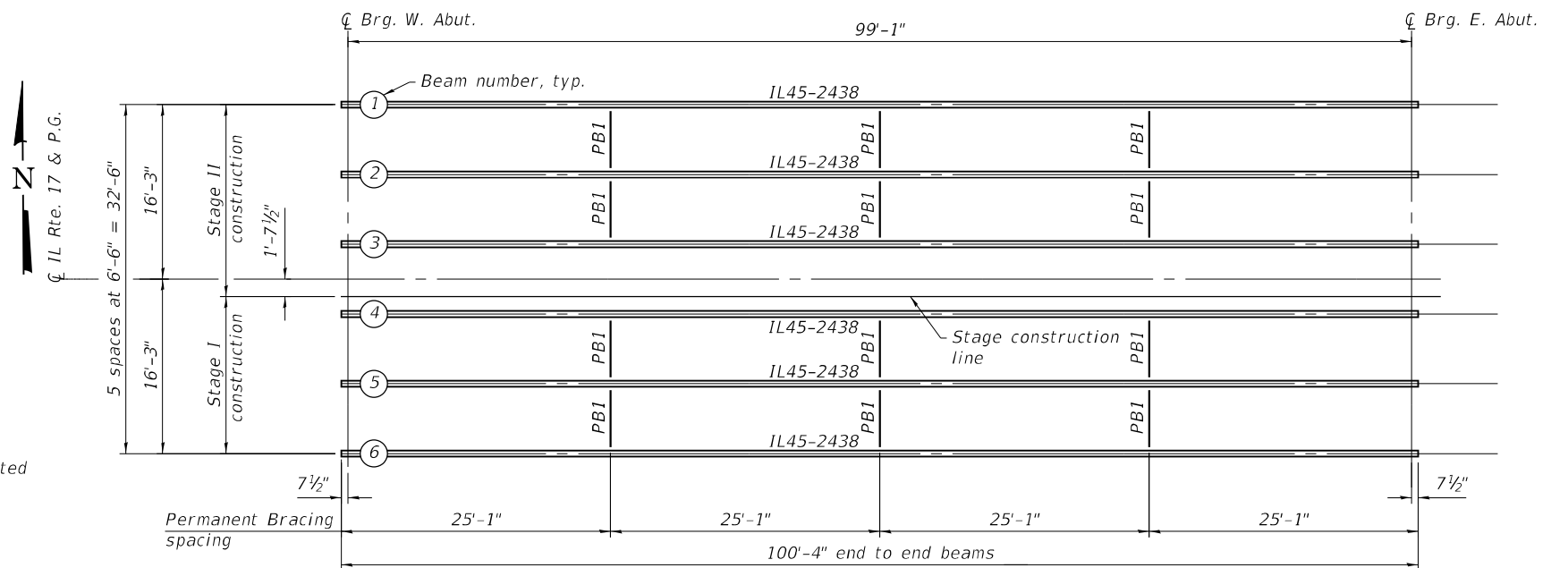
* Fabricator shall locate to miss strands within permissible tolerances.
 ** Alternate MC12x35 channels are permitted to facilitate material acquisition.

PERMANENT BRACING DETAILS (PB1)
(12 required)

INTERIOR BEAM MOMENT TABLE		
0.5 Span		
I	(in ⁴)	182,623
I'	(in ⁴)	462,855
S _b	(in ³)	10,045.2
S _b '	(in ³)	15,651.0
S _t	(in ³)	6,809.2
S _t '	(in ³)	30,003.9
DC1	(k/ft)	1.525
MDC1	(k)	1,872
DC2	(k/ft)	0.175
MDC2	(k)	215
DW	(k/ft)	0.300
MDW	(k)	368
LLDF		0.5718
M _{L + IM}	(k)	1,608

	Abutment	
	Interior	Exterior
LLDF	0.7072	0.5481
OCF	-	1.00
R _{DC1}	(k) 75.6	77.3
R _{DC2}	(k) 8.7	8.7
R _{DW}	(k) 14.9	14.9
R _L	(k) 69.1	53.6
R _{IM}	(k) 15.4	12.0
R _{Total}	(k) 183.7	166.5

I: Non-composite moment of inertia of beam section (in.⁴).
 I': Composite moment of inertia of beam section (in.⁴).
 S_b: Non-composite section modulus for the bottom fiber of the prestressed beam (in.³).
 S_b': Composite section modulus for the bottom fiber of the prestressed beam (in.³).
 S_t: Non-composite section modulus for the top fiber of the prestressed beam (in.³).
 S_t': Composite section modulus for the top fiber of the prestressed beam (in.³).
 DC1: Un-factored non-composite dead load (kips/ft.).
 MDC1: 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.).
 MDC2: 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.).
 MDW: 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.).
 LLDF: Live Load Distribution Factor computed according to Table 4.6.2.2b-1, Table 4.6.2.2d-1, Table 4.6.2.2.3a-1 and Table 4.6.2.3b-1.
 OCF: Obtuse Correction Factor computed according to Table 4.6.2.2.3c-1 or as simplified in Section 3.3.1 of the Bridge Manual.
 R_{DC1}: Un-factored reaction due to non-composite dead load (kips).
 R_{DC2}: Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kips).
 R_{DW}: Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kips).
 R_L: Un-factored reaction due to live load (kips).
 R_{IM}: Un-factored reaction due to dynamic load allowance (impact) (kips).
 R_{Total}: Un-factored total reaction (kips).



FRAMING PLAN

MODEL: PLOT
 FILE NAME: Y:\DOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-15-PPCBeam.dgn



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.2" = 1' / in.
 PLOT DATE = 3/4/2021

DESIGNED - SHL
 CHECKED - RDP
 DRAWN - KAH
 CHECKED - RDP

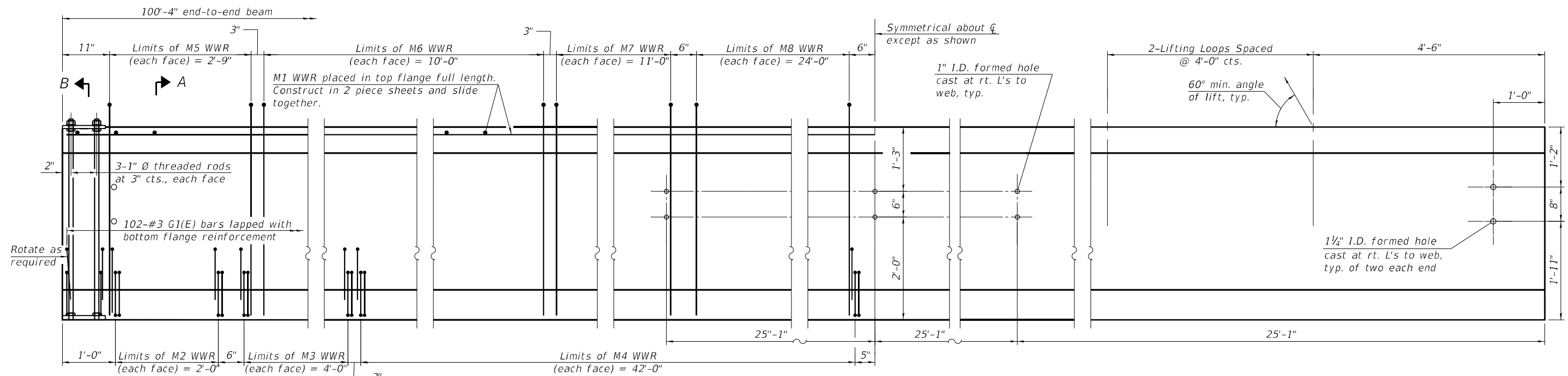
REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

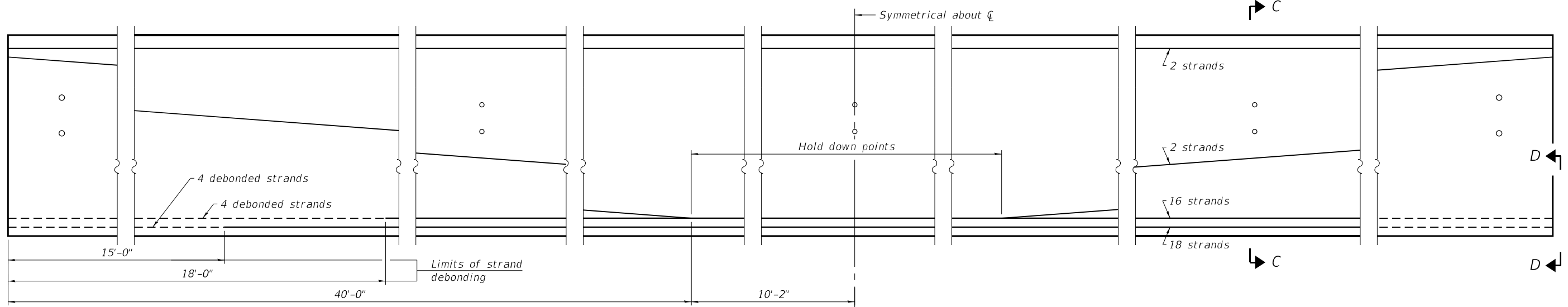
PPC BEAM FRAMING PLAN AND DETAILS
 STRUCTURE NO. 046-0161

SHEET 15 OF 24 SHEETS

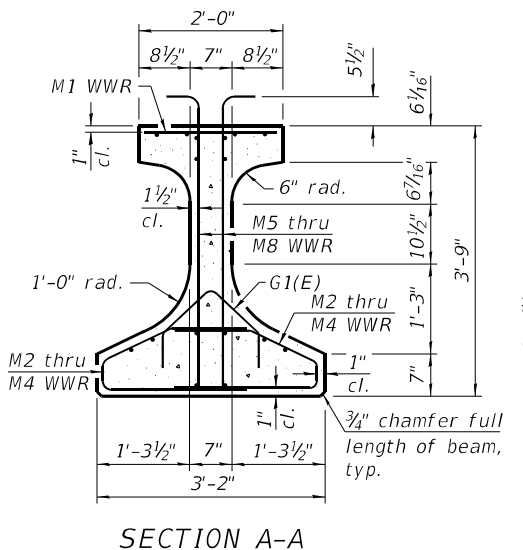
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	56
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



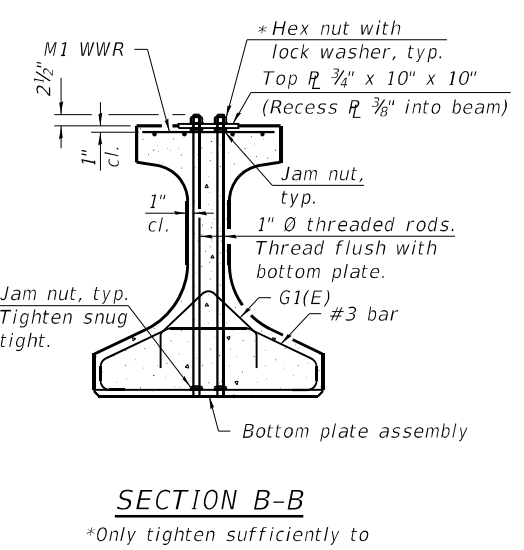
ELEVATION OF BEAM
(Showing reinforcement & dimensions)



ELEVATION OF BEAM
(Showing prestressing steel)

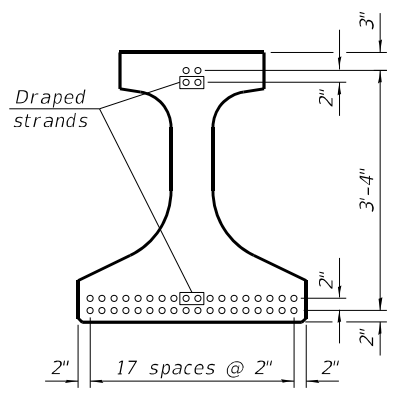


SECTION A-A

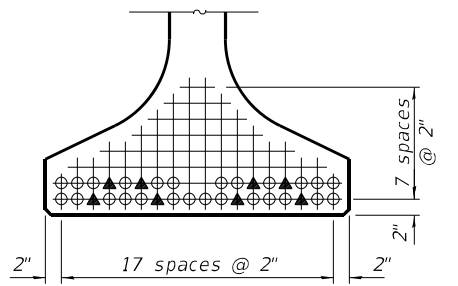


SECTION B-B

*Only tighten sufficiently to compress lock washers



SECTION C-C
(38-0.6" Ø 270 ksi strands)



VIEW D-D

○ Fully bonded strand
▲ Partially debonded strand

Note:
See Sheet 17 of 24 for additional details and Bill of Material.

(Sheet 1 of 2)

MODEL: PLOT
FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-16-PCCD16.dgn



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/4/2021

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CHECKED - RDP
DRAWN - KAH
CHECKED - RDP

REVISED -
REVISED -
REVISED -
REVISED -

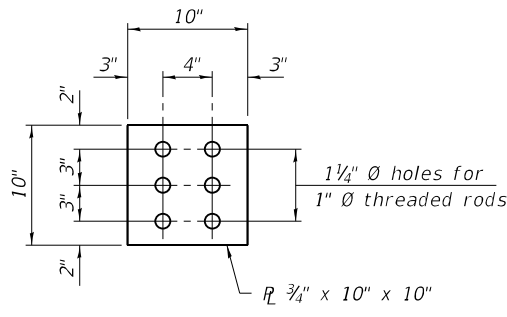
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL45-2438 PPC BEAM DETAILS
STRUCTURE NO. 046-0161

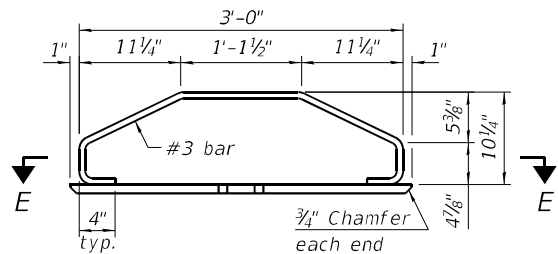
SHEET 16 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	57
CONTRACT NO. 66F88				

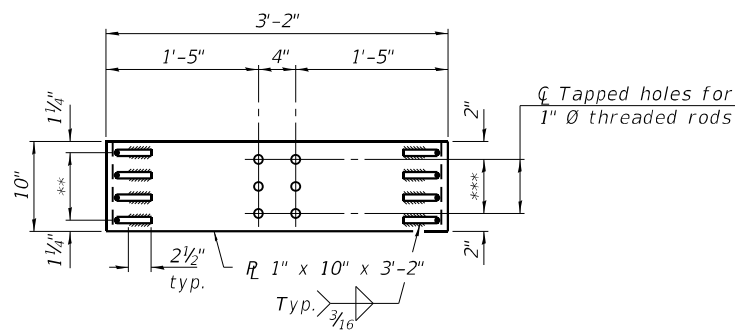
ILLINOIS FED. AID PROJECT



PLAN - TOP PLATE

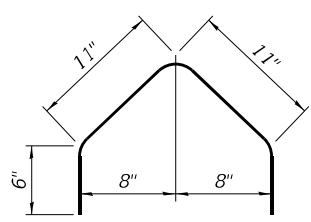


ELEVATION - BOTTOM PLATE ASSEMBLY

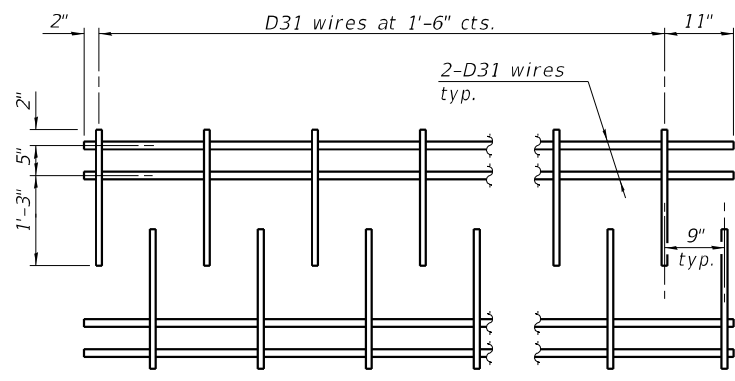


SECTION E-E

** 3 Spaces at 2 1/2" = 7 1/2"
 *** 2 Spaces at 3" = 6"

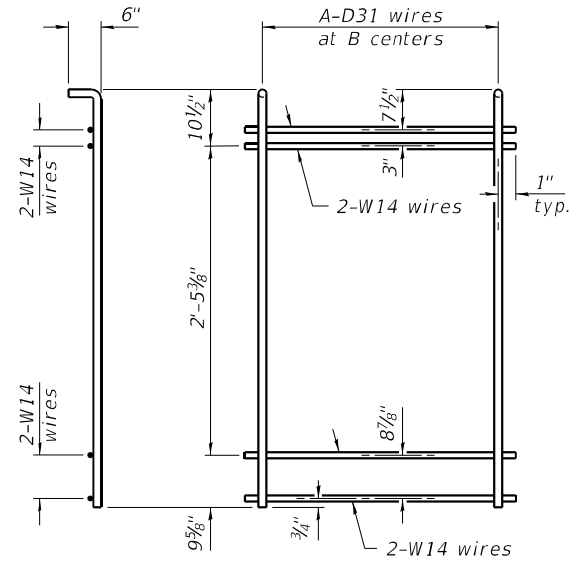


BAR G1(E)



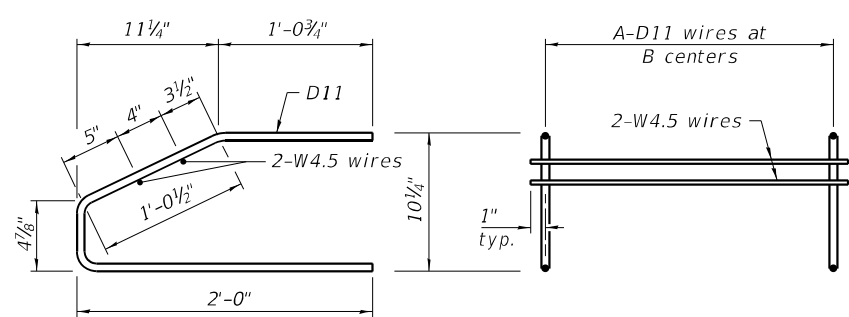
M1 WWR DETAIL

When multiple sheets of M1 WWR are required along the beam length, #5(E) bars (5'-0" long) shall be used to splice the longitudinal D31 wires together (Min. Lap 2'-2").



M5 THRU M8 WWR DETAIL

(See Table of Dimensions)



M2 THRU M4 WWR DETAIL

(See Table of Dimensions)

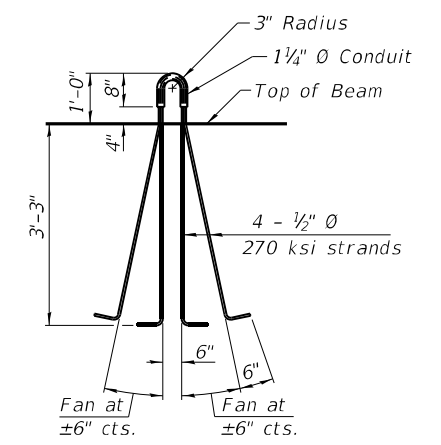
TABLE OF DIMENSIONS

(WWR tables are based on Grade 60)

WWR	SPAN	
	A	B
M2	9	3"
M3	9	6"
M4	29	1'-6"
M5	12	3"
M6	21	6"
M7	12	1'-0"
M8	13	2'-0"

NOTES

Inserts for 3/4" Ø threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.
 Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter for beam strands shall be 0.6" and the nominal cross-sectional area shall be 0.217 sq. in. The nominal diameter for lifting loops shall be 1/2" and the nominal cross sectional area shall be 0.153 sq. in.
 The beams shall have a final concrete compressive strength, f'c, of 8500 psi and a release concrete compressive strength, f'ci, of 6500 psi.
 A minimum 2 1/2" Ø lifting pin shall be used to engage the lifting loops during handling.
 The top and bottom plates shall be AASHTO M270 Grade 50.
 The top plates and bottom plate assemblies shall be galvanized according to AASHTO M111.
 The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.
 Threaded rods shall be ASTM F 1554 Grade 55.
 Welded Wire Reinforcement (WWR) shall conform to ASTM A884 with a Class A, Type 1 epoxy coating or ASTM A1060, Table 3 galvanized coating.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Beams, IL45N	Ft.	602.0

(Sheet 2 of 2)

MODEL: PLOT
 FILE NAME: Y:\DOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-17-PCCD18.dgn



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/4/2021

DESIGNED - SHL
 CHECKED - RDP
 DRAWN - KAH
 CHECKED - RDP

REVISED -
 REVISED -
 REVISED -
 REVISED -

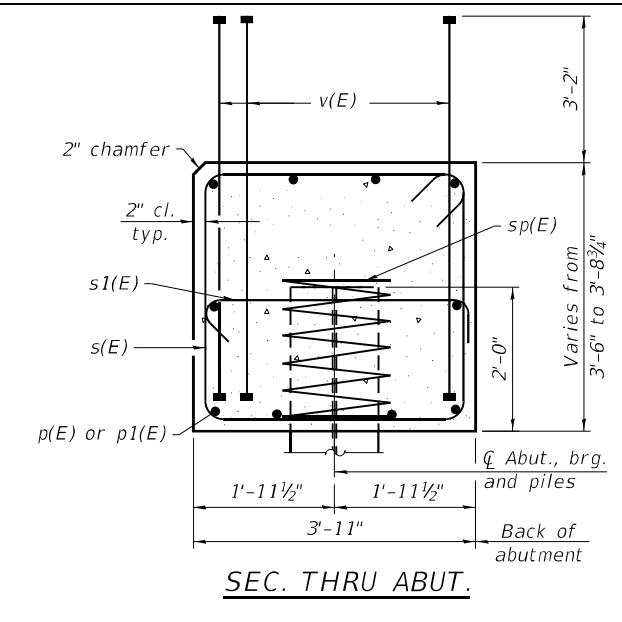
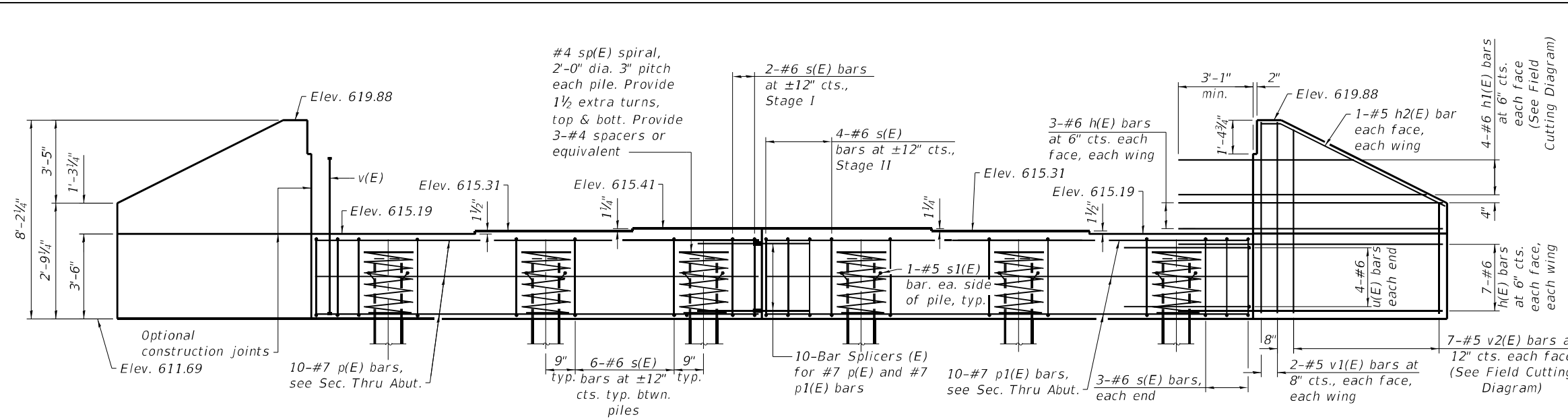
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL45-2438 PPC BEAM DETAILS
 STRUCTURE NO. 046-0161

SHEET 17 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	58
CONTRACT NO. 66F88				

ILLINOIS FED. AID PROJECT



South Wing

ELEVATION
(Looking West)

North Wing

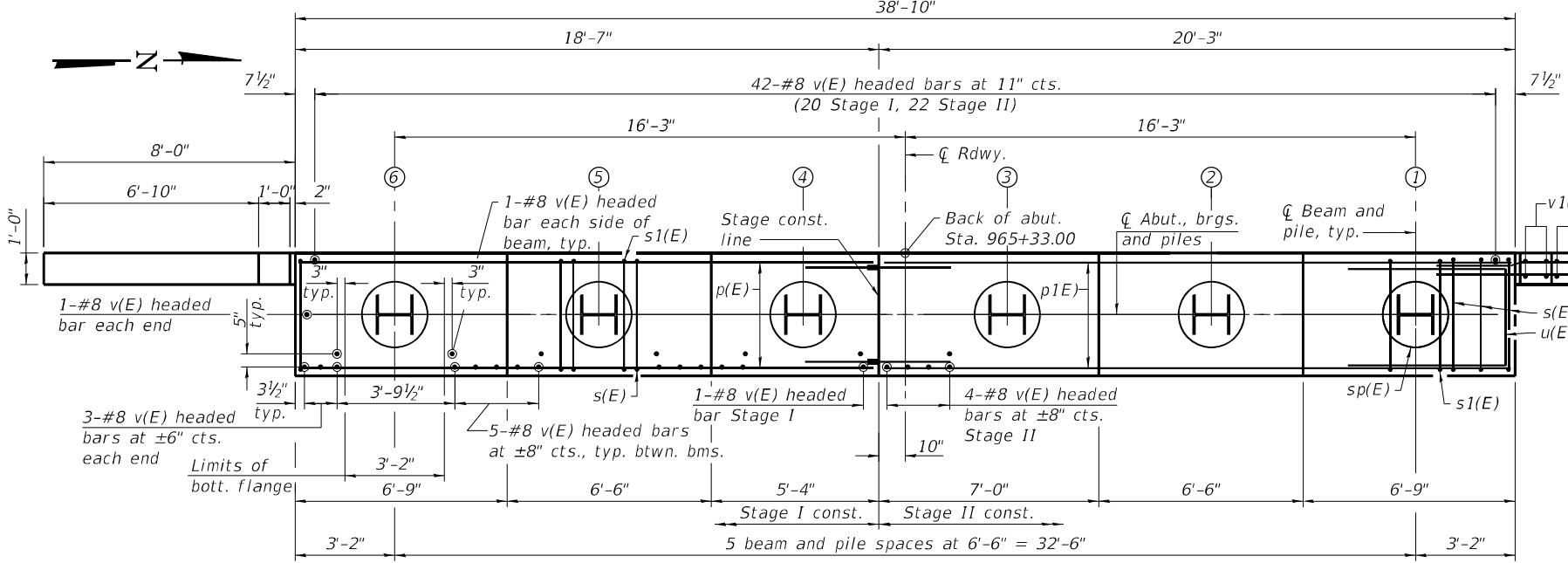
PILE DATA

Type: Steel HP 14x89
Nominal Required Bearing: Set in Rock
Factored Resistance Available: 388 kips
Estimated Length: 25 feet
No. Production Piles: 6
Estimated Top of Rock
and Top of Rock Socket Elevation: 594.6
Rock Socket Depth: 5 feet
Rock Socket Diameter: 2.5 feet

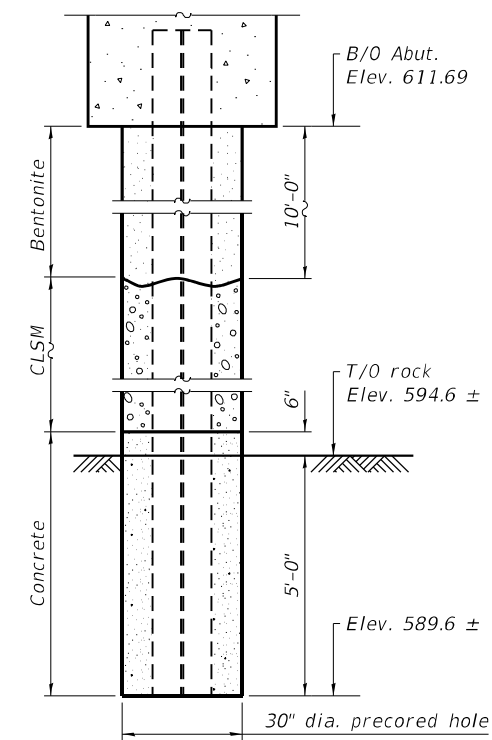
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	40	#6	10'-11"	—
h1(E)	8	#6	17'-6"	—
h2(E)	4	#5	8'-3"	—
p(E)	10	#7	18'-3"	—
p1(E)	10	#7	19'-11"	—
s(E)	36	#6	14'-10"	┌
s1(E)	12	#5	4'-7"	┌
sp(E)	6	#4	2'-0"	≡≡≡
u(E)	8	#6	12'-1"	┌
v(E)	87	#8	6'-6"	—
v1(E)	8	#5	7'-10"	—
v2(E)	14	#5	12'-2"	—
Structure Excavation		Cu. Yd.	100	
Concrete Structures		Cu. Yd.	24.3	
Reinforcement Bars, Epoxy Coated		Pound	4,720	
Furnishing Steel Piles HP14x89		Foot	150	
Drilling and Setting Piles (in Soil)		Cu. Ft.	530	
Drilling and Setting Piles (in Rock)		Cu. Ft.	148	

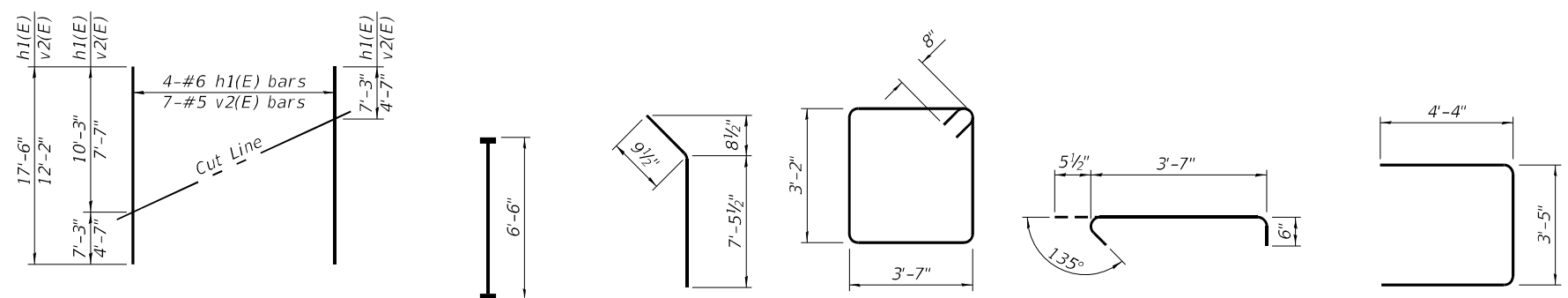
* Length is height of spiral.
Notes:
Pour steps monolithically with cap.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
For details of piles see Sheet 20 of 24.



PLAN



ROCK SOCKET DETAIL



FIELD CUTTING DIAGRAM
Order h1(E) and v2(E) full length. Cut as shown and use remainder of bars in opposite wing.

MODEL: PLOT FILE NAME: Y:\DOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-18-WAbut.dgn



USER NAME = shi	DESIGNED - SHL 05/21	REVISED -
ESCA PROJECT NO. 1352.02	CHECKED - RDP 05/21	REVISED -
PLOT SCALE = 0.2" = 1' / in.	DRAWN - KAH 05/21	REVISED -
PLOT DATE = 5/6/2021	CHECKED - RDP 05/21	REVISED -

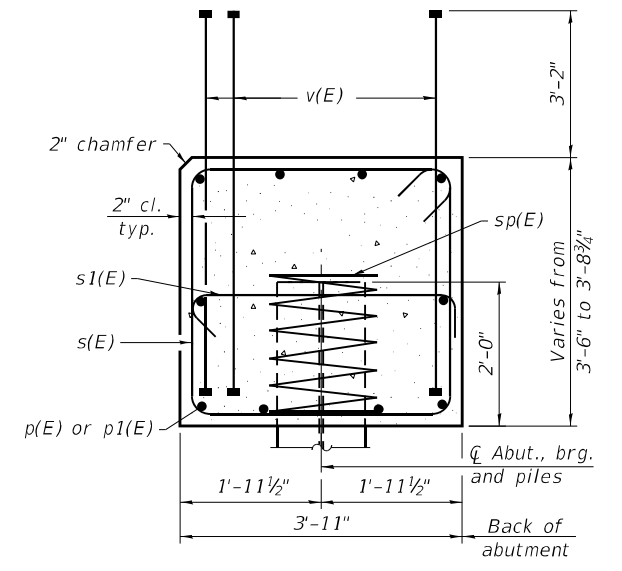
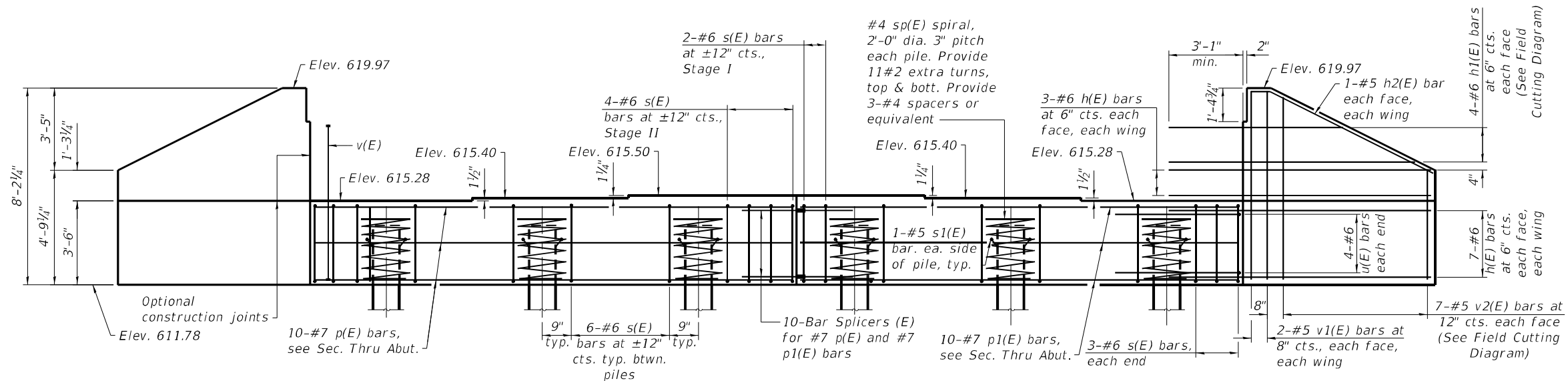
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 046-0161

SHEET 18 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	59
CONTRACT NO. 66F88				

ILLINOIS FED. AID PROJECT



North Wing

ELEVATION
(Looking East)

South Wing

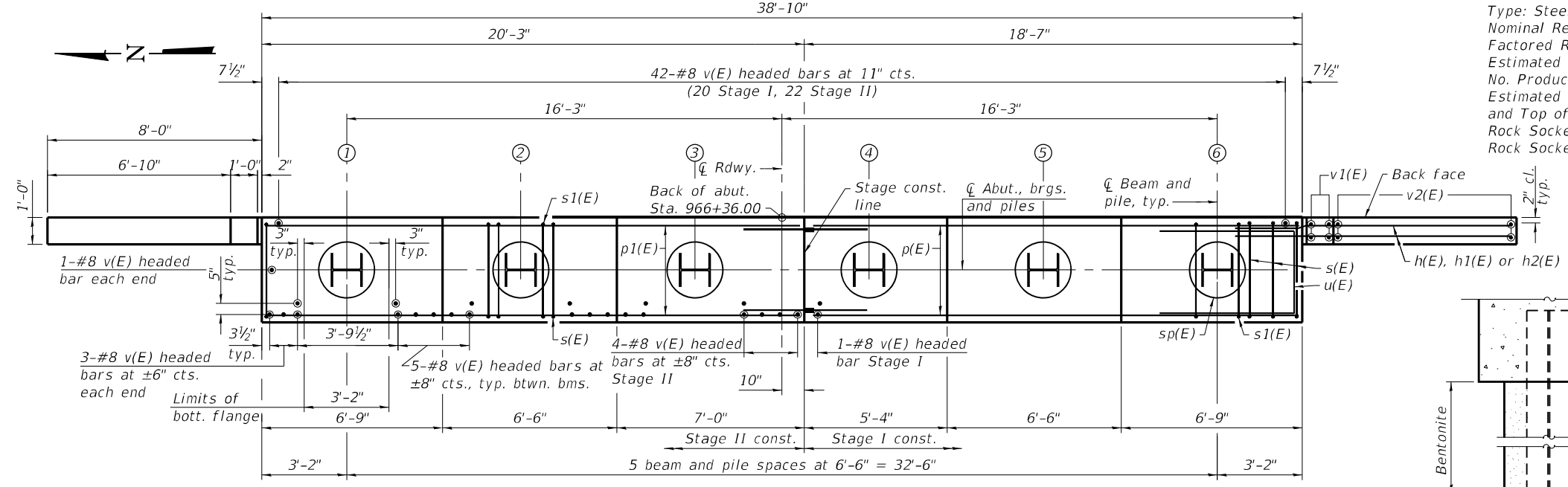
PILE DATA

SEC. THRU ABUT.

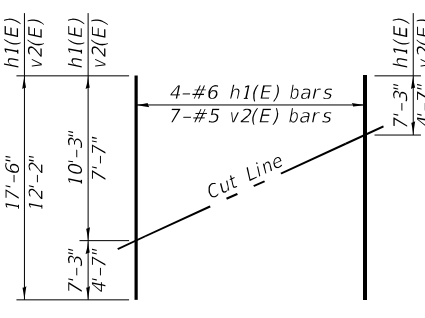
Type: Steel HP 14x89
 Nominal Required Bearing: Set in Rock
 Factored Resistance Available: 388 kips
 Estimated Length: 44 feet
 No. Production Piles: 6
 Estimated Top of Rock
 and Top of Rock Socket Elevation: 581.2
 Rock Socket Depth: 11 feet **
 Rock Socket Diameter: 2.5 feet

BILL OF MATERIAL

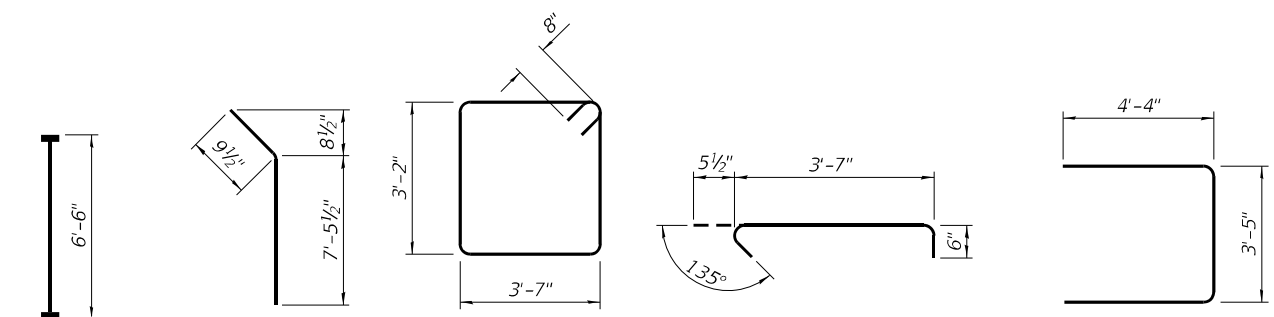
Bar	No.	Size	Length	Shape
h(E)	40	#6	10'-11"	—
h1(E)	8	#6	17'-6"	—
h2(E)	4	#5	8'-3"	—
p(E)	10	#7	18'-3"	—
p1(E)	10	#7	19'-11"	—
s(E)	36	#6	14'-10"	□
s1(E)	12	#5	4'-7"	┌
sp(E)	6	#4	2'-0"	≡≡≡
u(E)	8	#6	12'-1"	□
v(E)	87	#8	6'-6"	—
v1(E)	8	#5	7'-10"	—
v2(E)	14	#5	12'-2"	—
Structure Excavation	Cu. Yd.	100		
Concrete Structures	Cu. Yd.	24.3		
Reinforcement Bars, Epoxy Coated	Pound	4,720		
Furnishing Steel Piles HP14x89	Foot	264		
Drilling and Setting Piles (in Soil)	Cu. Ft.	913		
Drilling and Setting Piles (in Rock)	Cu. Ft.	324		



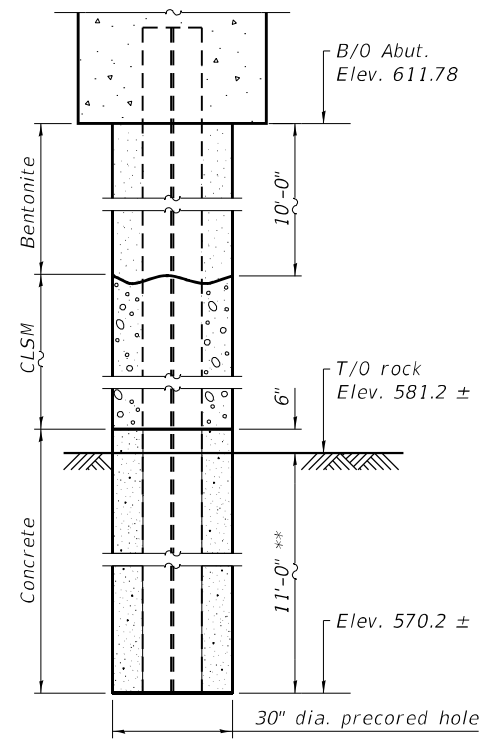
PLAN



FIELD CUTTING DIAGRAM
 Order h1(E) and v2(E) full length. Cut as shown and use remainder of bars in opposite wing.



BAR v(E) BAR h2(E) BAR s(E) BAR s1(E) BAR u(E)



ROCK SOCKET DETAIL

Notes:
 Pour steps monolithically with cap.
 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.
 For details of piles see Sheet 20 of 24.

** Insure that rock socket includes at least 5' of limestone.

MODEL: PLOT
 FILE NAME: Y:\DOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-19-EAbut.dgn



USER NAME = shi
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.2" = 1' / in.
 PLOT DATE = 5/6/2021

DESIGNED - SHL 05/21
 CHECKED - RDP 05/21
 DRAWN - KAH 05/21
 CHECKED - RDP 05/21

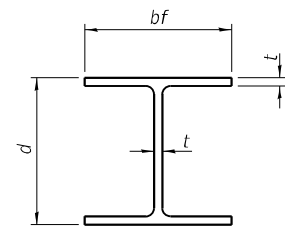
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT
 STRUCTURE NO. 046-0161

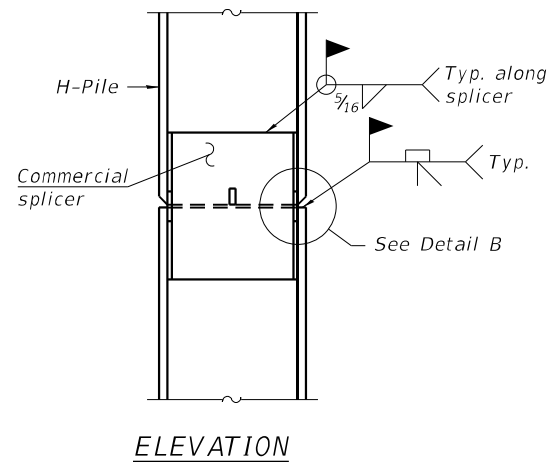
SHEET 19 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	60
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

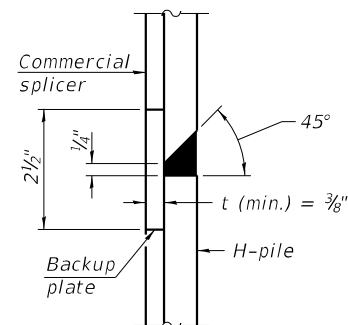


STEEL PILE TABLE

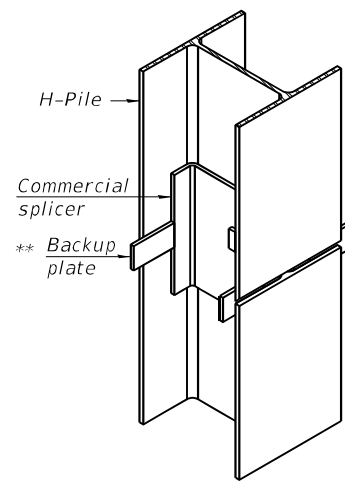
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

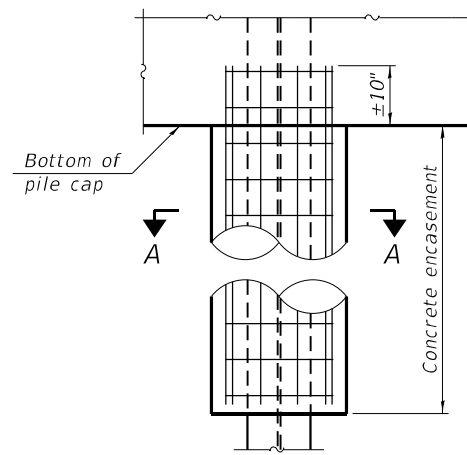


DETAIL "B"

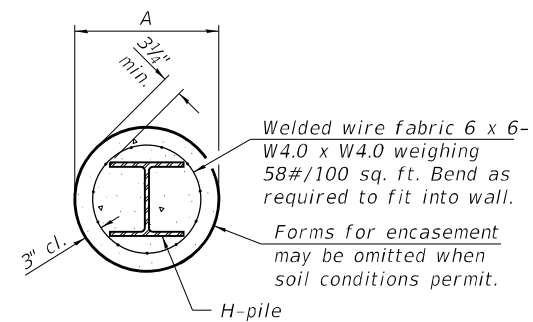


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

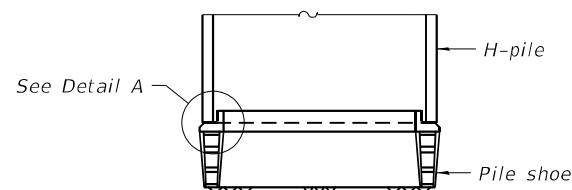


ELEVATION

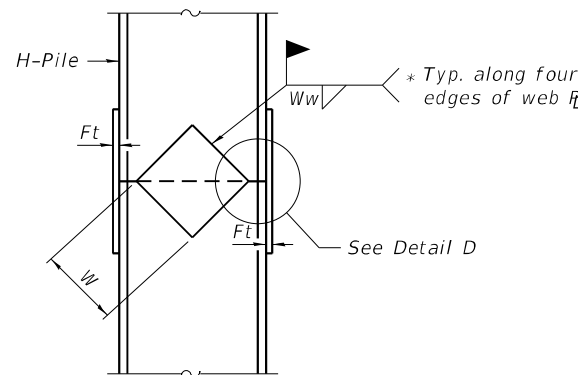


SECTION A-A

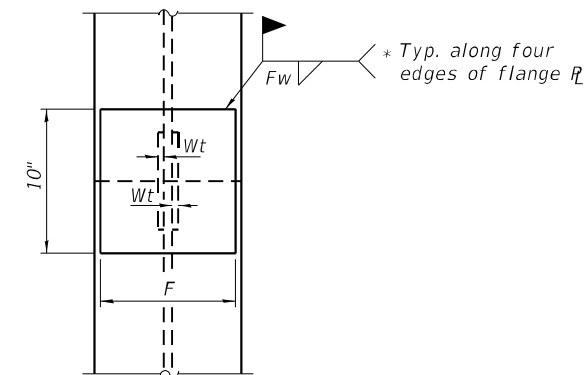
INDIVIDUAL PILE CONCRETE ENCASUREMENT (when specified)



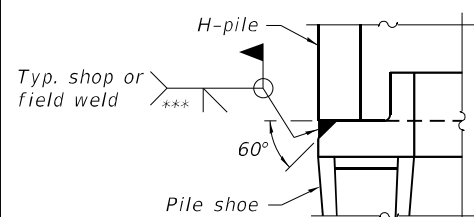
ELEVATION



ELEVATION

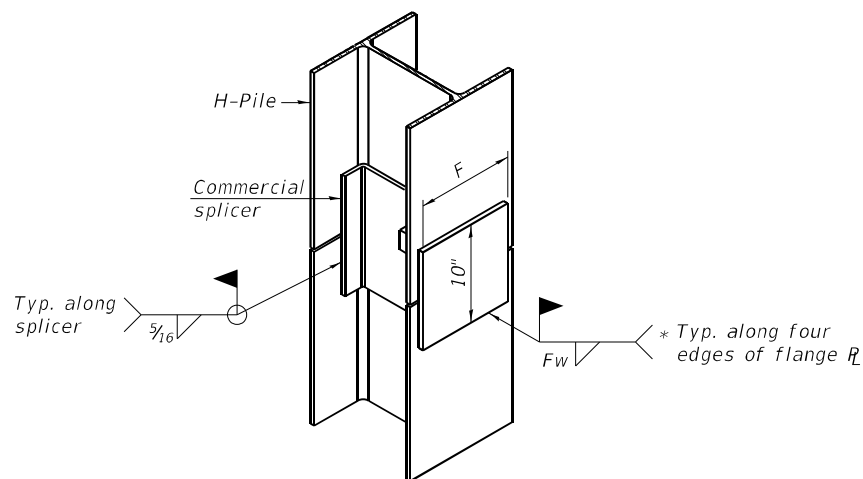


END VIEW



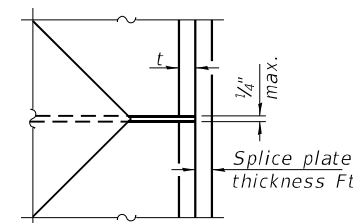
DETAIL A

SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

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

* Interrupt welds 1/4" from end of web and/or each flange.

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

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

MODEL: PLOT FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-20-HPDfils.dgn

F-HP 1-1-2020



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/4/2021

DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

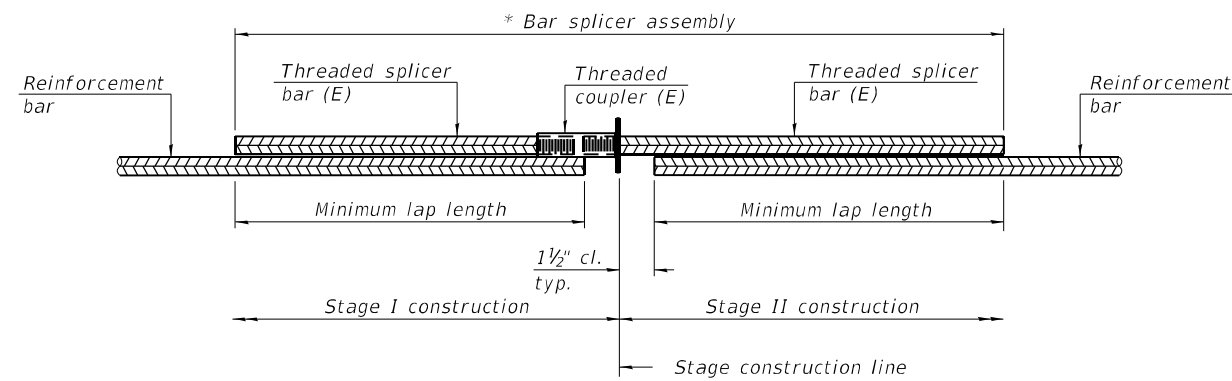
**HP PILE DETAILS
STRUCTURE NO. 046-0161**

SHEET 20 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	61

CONTRACT NO. 66F88

ILLINOIS FED. AID PROJECT



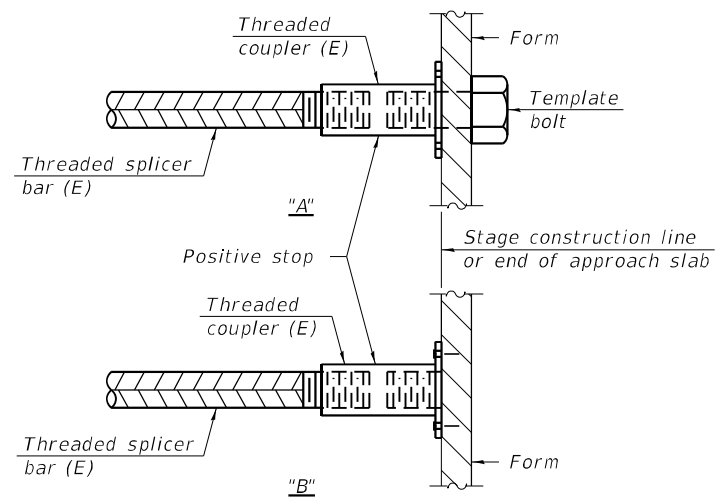
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + 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
Top of slab	#5	173	3'-6"
Bottom of slab	#5	121	3'-6"
Diaphragms	#6	12	4'-0"
Top of approach	#5	92	3'-4"
Bottom of approach	#8	120	4'-9"
Top of approach ftg.	#5	40	3'-2"
Bottom of approach ftg.	#5	40	3'-2"
West Abutment	#7	10	5'-0"
East Abutment	#7	10	5'-0"

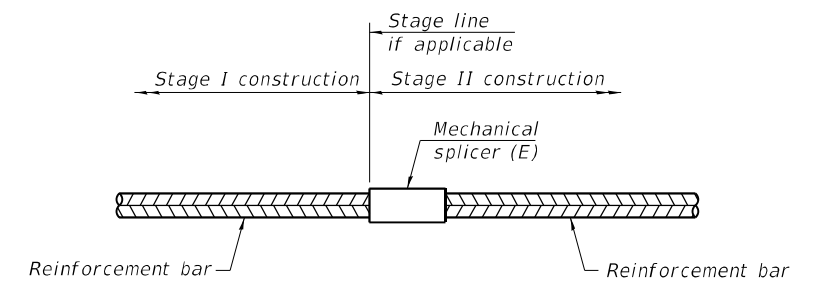


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

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.

MODEL: PLOT
FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-21-BarSplicrDtls.dgn

BSD-1

1-1-2020



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/4/2021

DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP

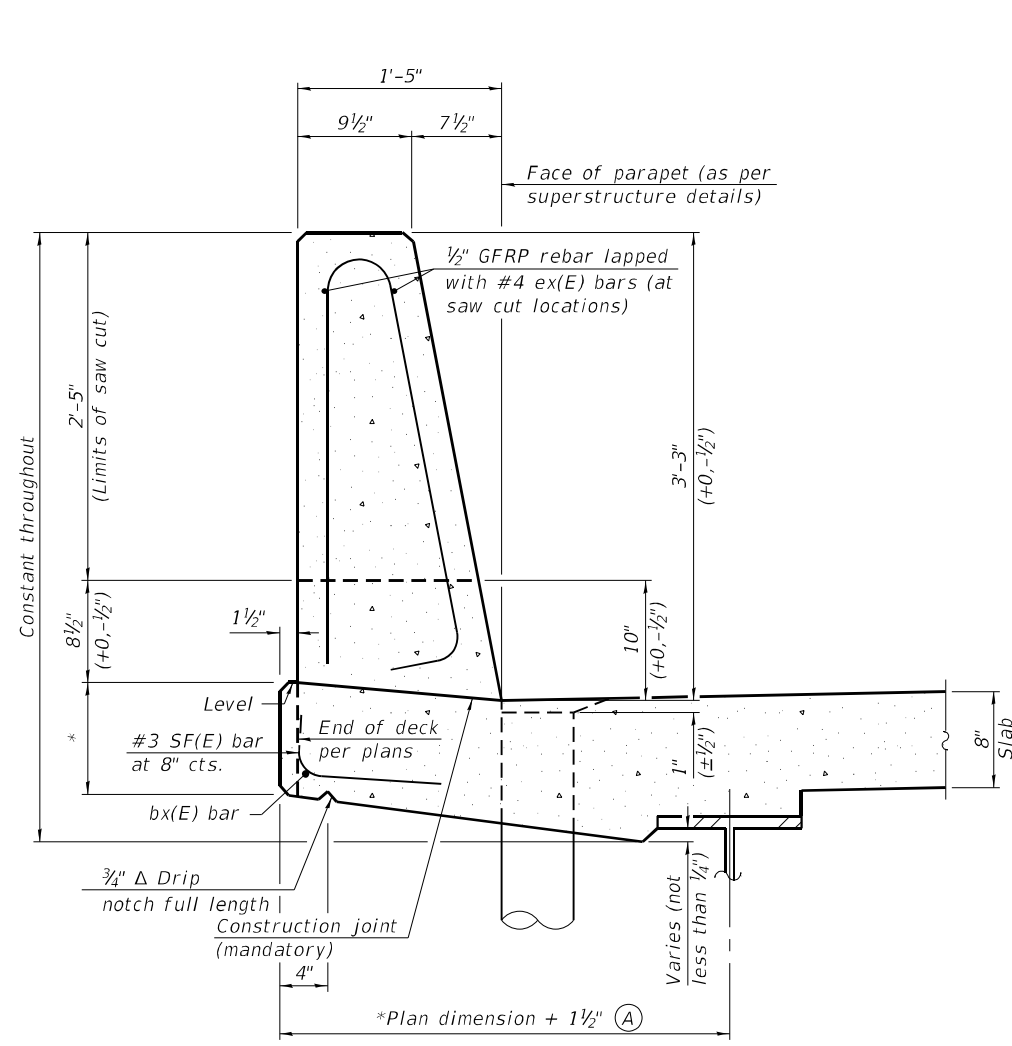
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 046-0161**

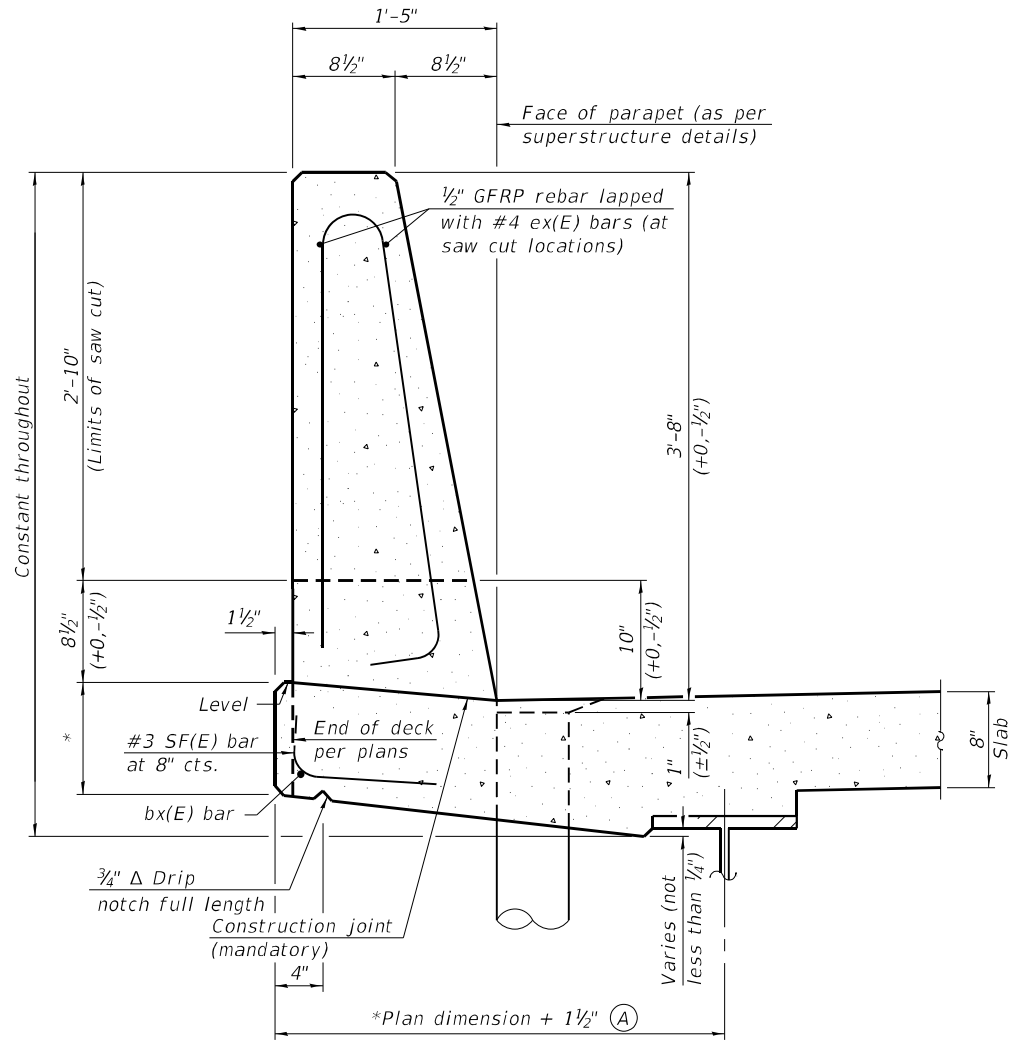
SHEET 21 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	62
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



**39" CONSTANT-SLOPE
PARAPET SECTION**

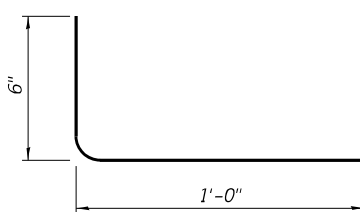
(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)



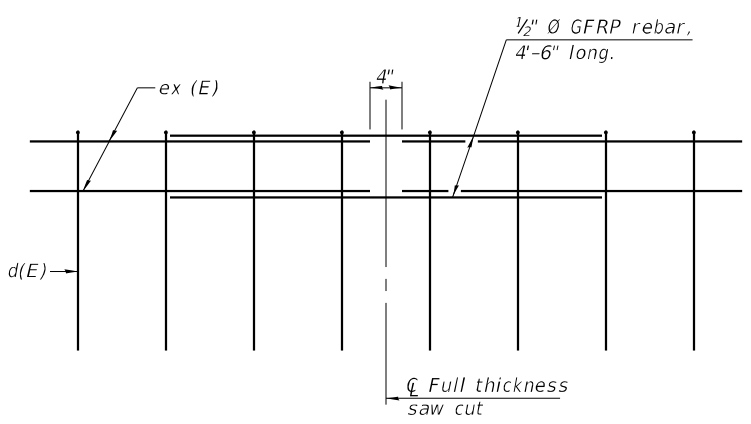
**44" CONSTANT-SLOPE
PARAPET SECTION**

(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)

*See Superstructure Details.



#3 SF(E) BAR



GFRP REBAR STIFFENING DETAIL

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

Notes:
All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" and 44" parapets.
Place full depth aluminum sheets as shown on superstructure details.
Replace all cork joint filler locations with a full thickness saw cut.
Steel superstructure shown. Other superstructure types similar.

MODEL: PLOT
FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-22-ConSlipForm.dgn



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.2" = 1' / in.
PLOT DATE = 3/4/2021

DESIGNED - SHL
CHECKED - RDP
DRAWN - KAH
CHECKED - RDP

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 046-0161**

SHEET 22 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	63
CONTRACT NO. 66F88				

ILLINOIS FED. AID PROJECT



SOIL BORING LOG

Date 3/12/21

ROUTE SBI-17 (IL 17) DESCRIPTION EB lane of IL-17 east of Horse Creek LOGGED BY J.I.
 SECTION 12-BR LOCATION SE 1/4 SEC. 4, TWP. 30N, RNG. 10E, 3rd PM
 COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 046-0032 (Exist.)
 Station 965+84.5
 BORING NO. RB-02
 Station 966+44
 Offset 4.5RT
 Ground Surface Elev. 618.70 ft

D E P T H H S	B L O W S	U C S Qu	M O I S T	Surface Water Elev. <u>603.91</u> ft				D E P T H H S			
				Stream Bed Elev. <u>602.06</u> ft				(ft)	(/6")	(tsf)	(%)
Approximately 4 inches of ASPHALT <u>618.37</u>				Very stiff to hard, gray SILTY CLAY LOAM, little sand and gravel (continued)							
Approximately 10 inches of CONCRETE <u>617.45</u>				▼							
Approximately 10 inches of SUBBASE STONE <u>616.62</u>				19 4.5 11							
FILL: brown sand, trace fines				30 P							
				21							
				595.20							
FILL: black and gray silty clay, little to some sand and gravel				8 6.5 16							
Some brown observed at approximately 6 feet below existing grade				11 S							
				17							
				37 4.5 13							
				42 P							
				47							
				42 4.5 10							
				53 P							
				57							
				50/3" 9							
Very stiff, gray SILT to SILT LOAM, trace sand and gravel				Very difficult drilling/chattering observed from approximately 31 to 37.5 feet below existing grade.							
				-35							
Very stiff to hard, gray SILTY CLAY LOAM, little sand and gravel				Auger refusal at approximately 37½ feet below existing grade.							
				Borehole continued with rock coring.							
Some Gravel				581.20							
				-40							
				-20 21							

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, from 137 (Rev. 8-99)

ROCK CORE LOG

Date 3/12/21

ROUTE SBI-17 (IL 17) DESCRIPTION EB lane of IL-17 east of Horse Creek LOGGED BY J.I.
 SECTION 12-BR LOCATION SE 1/4 SEC. 4, TWP. 30N, RNG. 10E, 3rd PM
 COUNTY Kankakee CORING METHOD 5 foot double tube NX

STRUCT. NO. 046-0032 (Exist.) CORING BARREL TYPE & SIZE NX
 Station 965+84.5
 BORING NO. RB-02 Core Diameter 2 in
 Station 966+44 Top of Rock Elev. 581.20 ft
 Offset 4.5RT Begin Core Elev. 581.20 ft
 Ground Surface Elev. 618.70 ft

D E P T H (ft)	C O R E (#)	R E C O V E R Y (%)	R · Q · D · (%)	C O R E T I M E (min/ft)	S T R E N G T H (tsf)
Borehole continued with rock coring. Dark gray to black SHALE, very poor, very weak to weak field strength, laminated, highly decomposed with interbedded lignite, with cohesive sediment infilling. Limestone lense at bottom two feet of sample					
-40					
575.20					
Gray LIMESTONE, poor, strong field strength, aphanitic, thinly bedded, pitted.					
Depth 44 feet 4 inches: Moisture Content: 4%, Dry Density: 165 pcf					
-45					
873					
Depth 46 feet: Moisture Content: 4%, Dry Density: 165 pcf					
-50					
2479					
568.20					
End of Boring					
-55					

Color pictures of the cores Yes
 Cores will be stored for examination until N/A
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
 BBS, form 138 (Rev. 8-99)

MODEL: PLOT FILE NAME: Y:\IDOT\1352-02_66F88\CADD\SP_SN_046-016\10460161-66F88-24-Soil.dgn



USER NAME = shi	DESIGNED - SHL 05/21	REVISED -
ESCA PROJECT NO. 1352.02	CHECKED - RDP 05/21	REVISED -
PLOT SCALE = 0.2" = 1' / in.	DRAWN - KAH 05/21	REVISED -
PLOT DATE = 5/6/2021	CHECKED - RDP 05/21	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

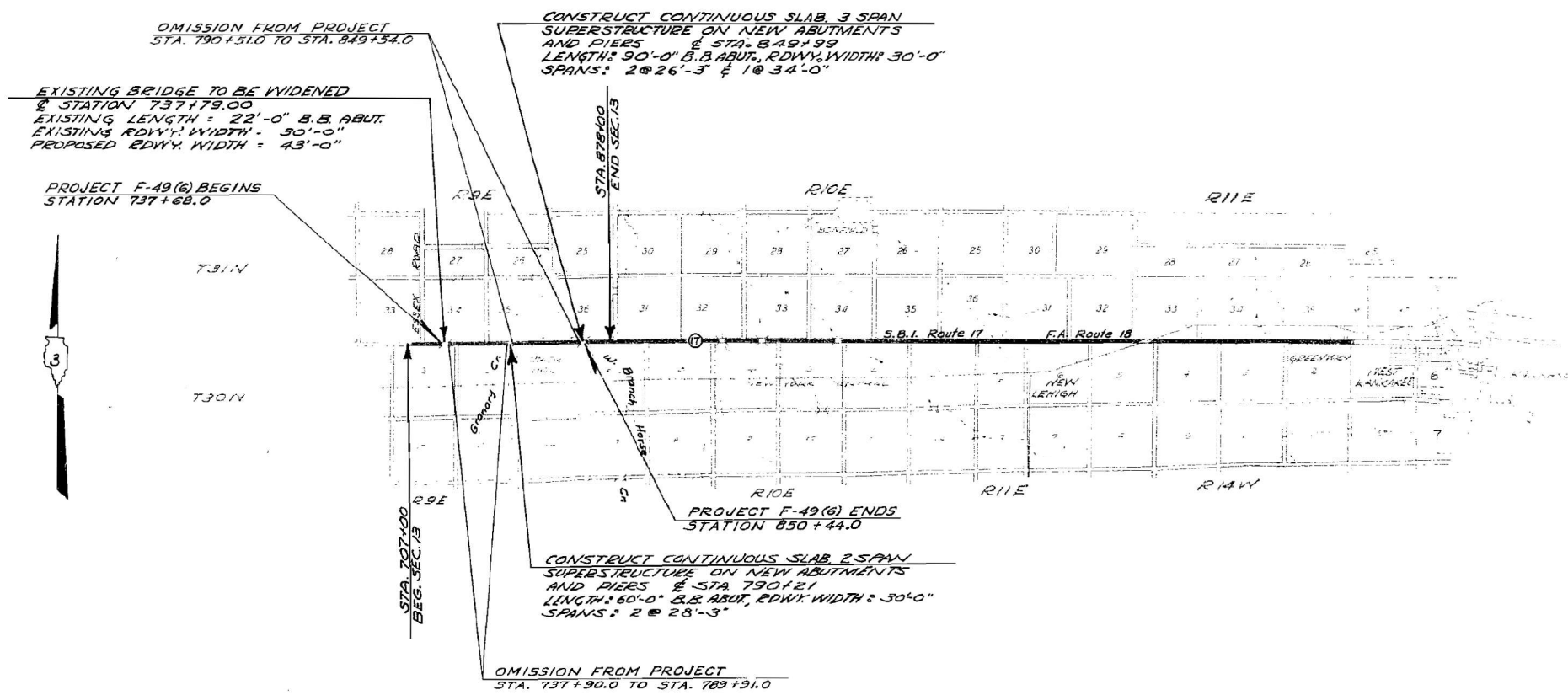
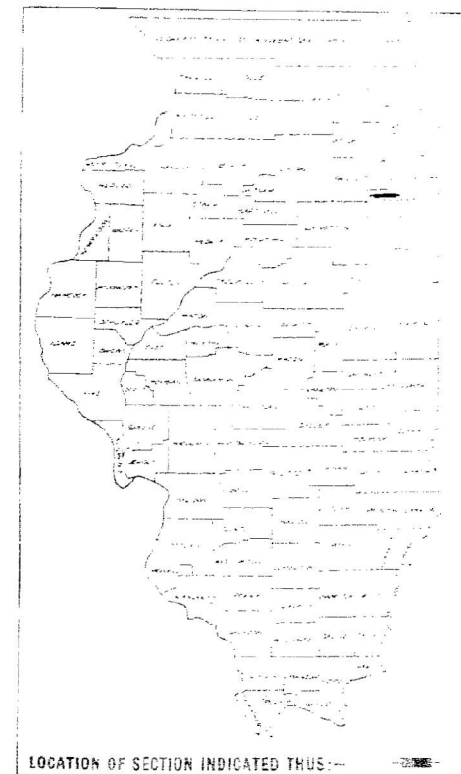
BORING LOGS
 STRUCTURE NO. 046-0161

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(12)BR	KANKAKEE	103	65
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 STATE BOND ISSUE HIGHWAY

17 13 BR KANKAKEE 19

S.B.I. ROUTE 17, SEC. 13 BR
 PROJECT, F-49 (6)
 KANKAKEE, COUNTY



Feb 16 1959
 March 9, 59
 March 9, 59
 March 9, 59
 March 9, 59

DEPARTMENT OF PUBLIC WORKS
 BUREAU OF PUBLIC STATE
 RECOMMENDED FOR APPROVAL
 DIVISION ENGINEER

KANKAKEE COUNTY SECTION 13-BR S.B.I. ROUTE 17

MODEL_PLOT
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USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 046-0030 EXISTING STRUCTURE PLANS
 FOR INFORMATION ONLY

SCALE: NA SHEET NO. 1 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	66
CONTRACT NO. 66F88				

ILLINOIS FED. AID PROJECT

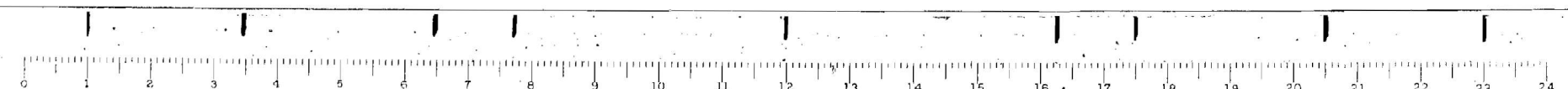
INDEX OF SHEETS

SHEET NO.	ITEM
SHEET NO. 1	COVER SHEET
SHEET NO. 2	INDEX OF SHEETS, SUMMARY OF QUANTITIES
SHEET NO. 3	TYPICAL SECTIONS
SHEET NO. 4	PLAN AND PROFILE STA. 710+00 TO 740+00
SHEET NO. 5	BRIDGE PLANS STA. 737+75 SHEET 1 OF 1
SHEET NO. 6	PLAN AND PROFILE STA. 770+00 TO 800+00
SHEET NO. 7 TO	
SHEET NO. 11 INCLUSIVE	BRIDGE PLANS STA. 790+21 SHEET 1 OF 5 TO 5 OF 5
SHEET NO. 12	PLAN AND PROFILE STA. 830+00 TO 860+00
SHEET NO. 13 TO	
SHEET NO. 16 INCLUSIVE	BRIDGE PLANS STA. 849+99 SHEET 1 OF 4 TO 4 OF 4
SHEET NO. 17	STD. 1971-3, STD. 1972-R, STD. 2114,
SHEET NO. 18	STD. 2070 BA, STD. 2113
SHEET NO. 19	STD. 2126

SUMMARY OF QUANTITIES

QUANTITY	ITEM
740 CU. YDS.	CHANNEL EXCAVATION
155 CU. YDS.	CLASS A EXCAVATION FOR STRUCTURES
390 CU. YDS.	CLASS B EXCAVATION FOR STRUCTURES
6 CU. YDS.	MASONRY REMOVAL
50-5.8 CU. YDS.	CLASS X CONCRETE
8.6 CU. YDS.	HANDBAIL CONCRETE
1380 SQ. YDS.	SLOPE WALL
11480 LBS.	FURNISHING AND ERECTING STRUCTURAL STEEL
79220 LBS.	REINFORCEMENT BARS
68 EACH	EXPANSION BOLTS
3 EACH	TEST PILES (CONCRETE)
1 EACH	TEST PILES (TIMBER)
340 LIN. FT.	FURNISHING CONCRETE PILES
340 LIN. FT.	DRIVING CONCRETE PILES
460 LIN. FT.	FURNISHING UNTREATED PILES, UP TO 30'
460 LIN. FT.	DRIVING TIMBER PILES
3 EACH	NAME PLATES
2 EACH	REMOVAL OF EXISTING STRUCTURES

TRAFFIC CLASSIFICATION
312 (DHY-1978) -M-70



MODEL PLOT
FILE NAME: Y:\PROJECTS\1352-02_66F88\CD\Highway\CADD_Sheets\1352-02_66F88-shr-com102.dgn



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/1/2021

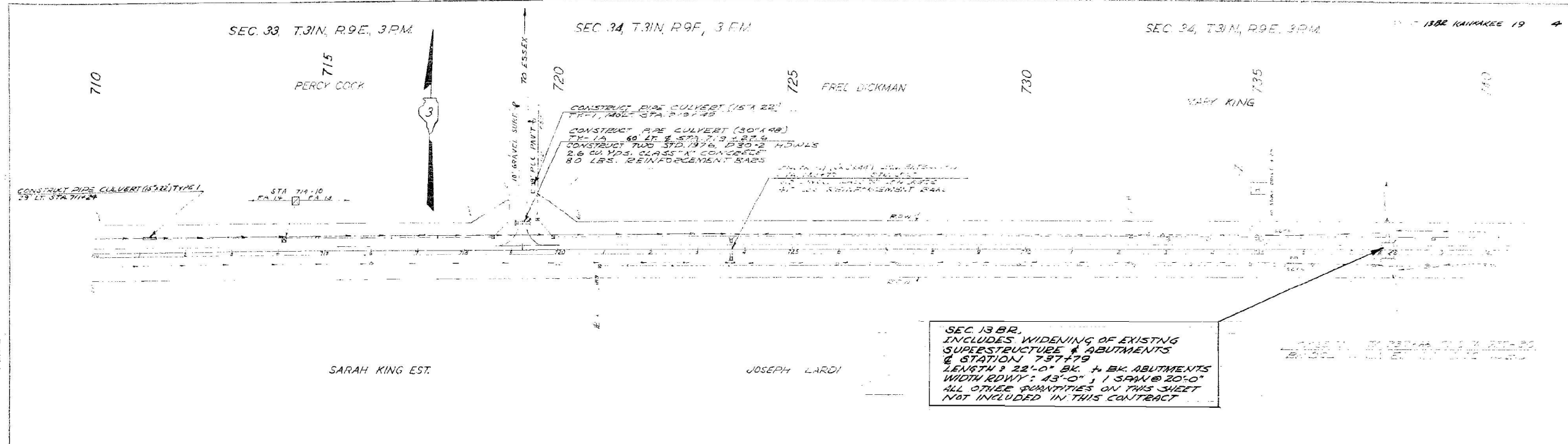
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DRAWN - SMA	REVISED -
CHECKED - RDP/SKM	REVISED -
DATE - 03/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

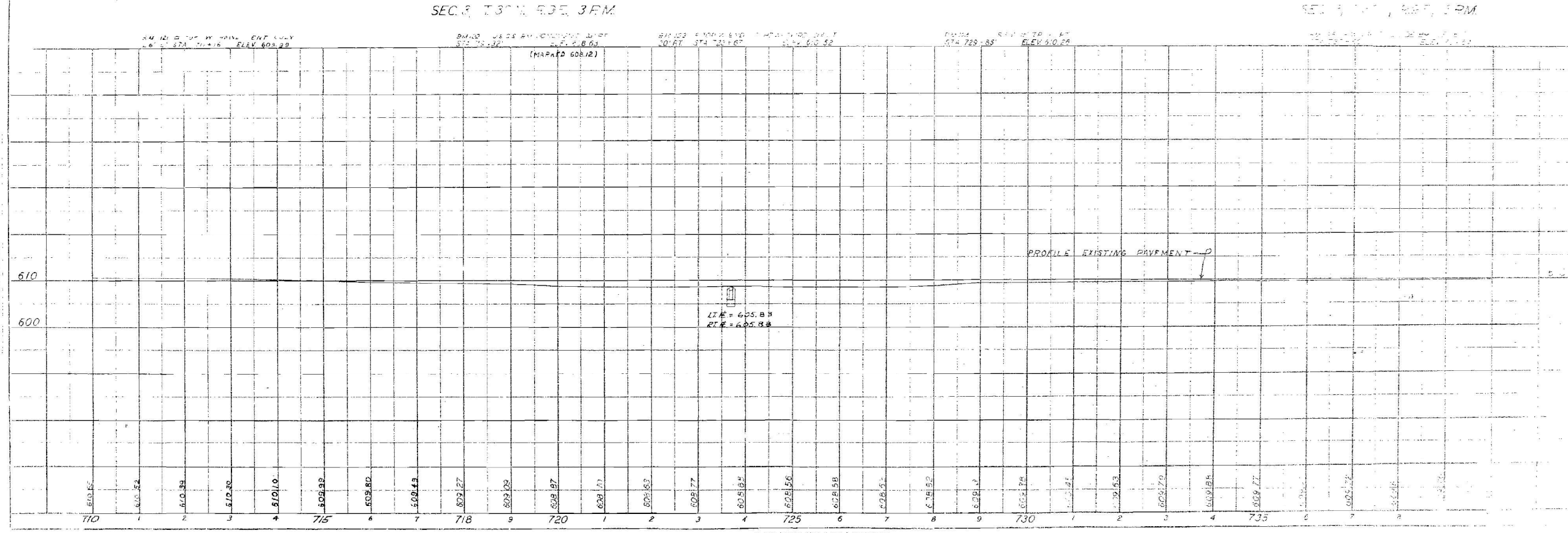
SN 046-0030 EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 2 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	67
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



SEC. 13 BR.
 INCLUDES WIDENING OF EXISTING
 SUPERSTRUCTURE & ABUTMENTS
 @ STATION 7+97+79
 LENGTH 22'-0" BK. + BK. ABUTMENTS
 WIDTH RDWY: 43'-0" @ 1 SPAN @ 20'-0"
 ALL OTHER QUANTITIES ON THIS SHEET
 NOT INCLUDED IN THIS CONTRACT



710	1	2	3	4	715	6	7	718	9	720	1	2	3	4	725	6	7	8	9	730	1	2	3	4	735	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
-----	---	---	---	---	-----	---	---	-----	---	-----	---	---	---	---	-----	---	---	---	---	-----	---	---	---	---	-----	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

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USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/1/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 046-0030 EXISTING STRUCTURE PLANS FOR INFORMATION ONLY	
SCALE: NA	SHEET NO. 4 OF 11 SHEETS
STA.	TO STA.

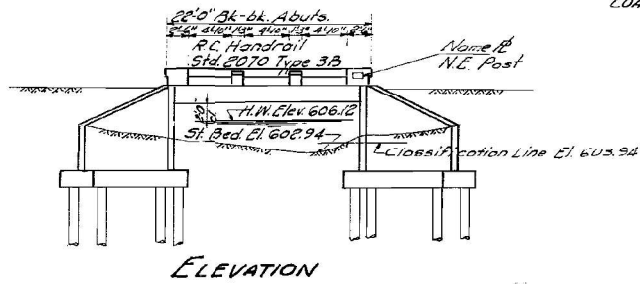
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	69
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

BM #125 on W. Abut. 3.30 ft. bridge
16' R. Sta. 737+69 Elev. 608.64

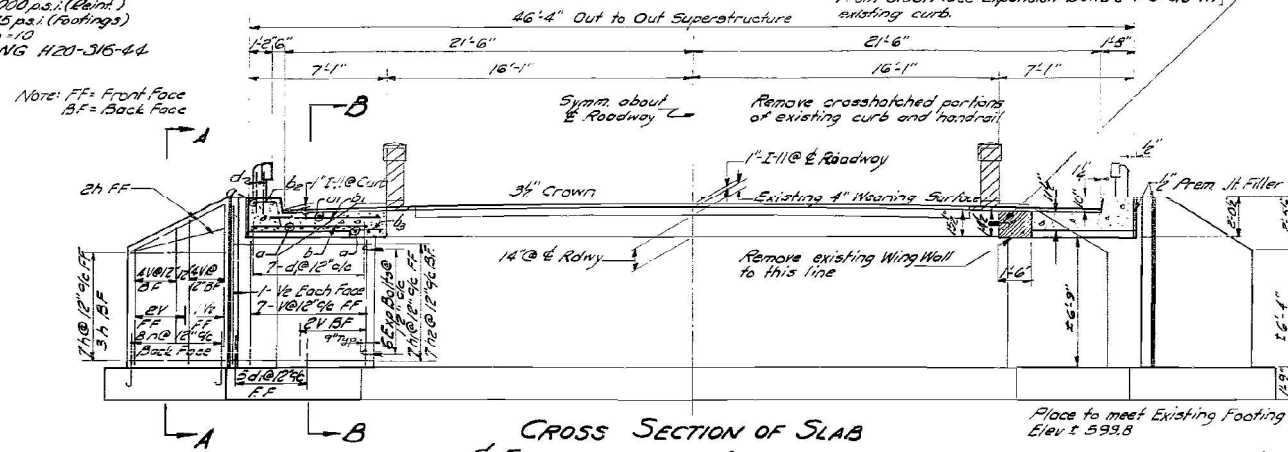
DESIGN STRESSES
 $f_c = 4000$ psi. (Super)
 $f_c = 1000$ psi. (Sub)
 $f_s = 20,000$ psi. (Reinf.)
 $f_c = 75$ psi. (Footings)
 $n = 10$
LOADING H-20-S16-44

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

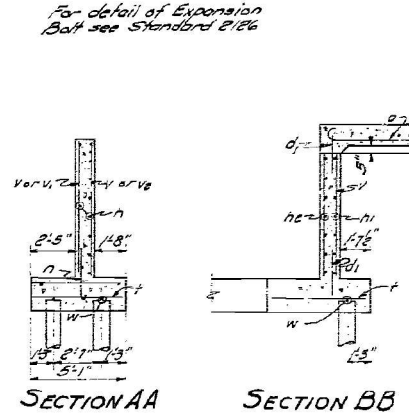
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / SHEETS
S.B.I. 17	13 BR	KANKAKEE	19	5	17 / 19
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					



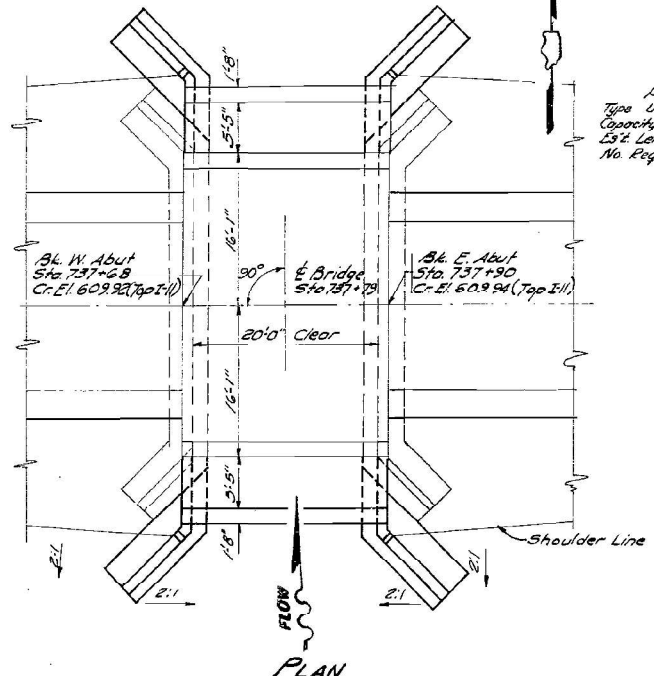
ELEVATION



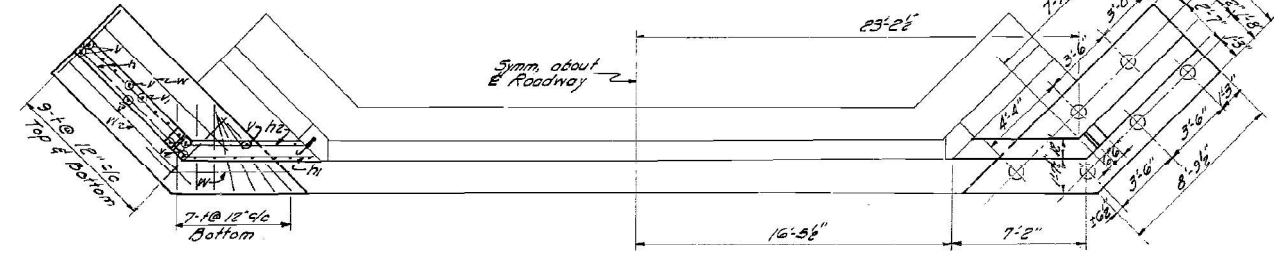
CROSS SECTION OF SLAB & ELEVATION OF ABUTMENT



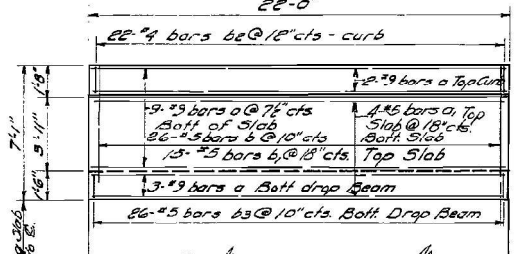
SECTION AA SECTION BB



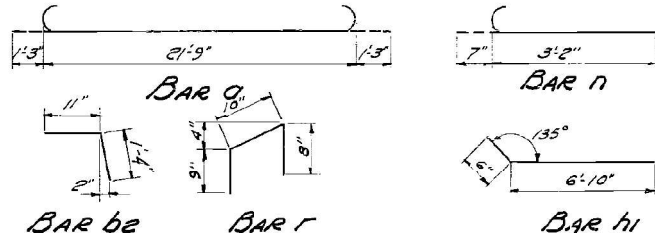
PLAN



PLAN OF ABUTMENT



PLAN SLAB WIDENING



GENERAL NOTES

Waterway Information

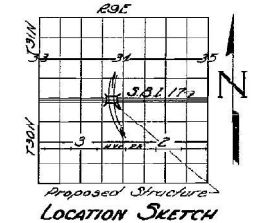
Drainage Area	520 Acres
Character	Level & Cult
Required Opening	35 Sq. Ft.
Present Opening	48 Sq. Ft.
Proposed Opening	48 Sq. Ft.
Low Water Elev.	602.94
Normal Water Elev.	603.94

BORING DATA

Boring #	Station	Soil Description
Boring #1	Sta. 737+99, 15 LL E.	5' - 0" MED. BLK. SILTY CLAY
		5' - 0" STIFF GRAY & YELLOW SANDY CLAY
		5' - 0" VERY STIFF GRAY-BROWN MOTTLED CLAY
		5' - 0" HARD GRAY SILTY TILL
		5' - 0" VERY DENSE GRAY SILT
		5' - 0" HARD GRAY CLAY TILL
Boring #2	Sta. 737+63, 17 RL E.	5' - 0" MED. BLK. SILTY CLAY
		5' - 0" STIFF YELLOW & GRAY SILTY CLAY
		5' - 0" VERY STIFF GRAY-BROWN MOTTLED CLAY
		5' - 0" HARD GRAY-BROWN SILTY CLAY
		5' - 0" HARD GRAY SILTY TILL
		5' - 0" VERY DENSE GRAY SILT
		5' - 0" HARD GRAY CLAY TILL

Note: N = Blows per foot of penetration of sampling spoon.
 Hammer Weight = 350 Lbs Drop = 12 inches.
 Qu = Unconfined compressive strength in tons per sq. ft.

Class X Concrete shall be used throughout except in handrails. Handrail concrete shall be used in handrails. Contractor shall drive one (1) test pile in permanent location as directed by the engineer. The handrail concrete in the railposts and railing shall be poured in separate operations. The back of the new abut. & wingwalls shall be waterproofed in accordance with Article 51.21 of the Standard Specifications.



STATION 737+79
 35' x 17' x 17'
 STATE OF ILLINOIS
 S.B.I. 17 SEC. 13 BR
 KANKAKEE COUNTY
 LOADING H-20-S16

NAME PLATE
 See Standard E113

BAR LIST SUPERSTRUCTURE

Bar No	Size	Length	Quantity
a	28	9'-0"	2
a1	8	21'-9"	1
b	52	5'-0"	1
b1	30	3'-0"	1
b2	44	4'-0"	1
b3	52	5'-0"	1
d	36	5'-0"	1
e	8	19'-3"	1
f	16	4'-0"	1

BAR LIST SUBSTRUCTURE

Bar No	Size	Length	Quantity
h	48	4'-0"	1
h1	28	4'-0"	1
h2	28	4'-0"	1
v	60	4'-0"	1
v1	16	4'-0"	1
v2	12	4'-0"	1
n	32	3'-0"	1
d1	48	4'-0"	1
f	100	4'-0"	1
w	12	4'-0"	1

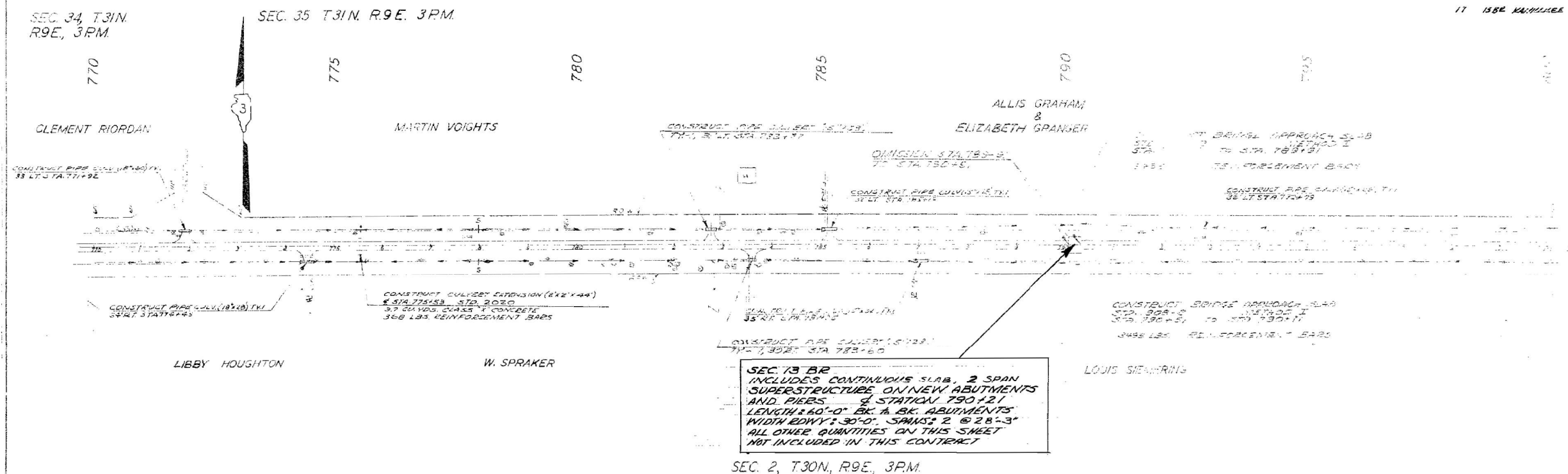
TOTAL BILL OF MATERIAL

Item	Super	Sub	Total
Class X Concrete	Cu. Yds. 142	299	441
Handrail Concrete	Cu. Yds. 13		13
Reinforcement Bars	Lbs. 3430	1460	4890
Expansion Bolts 3/8"	Each	1	63
Masonry Removal	Cu. Yds. 5		5
Untreated Timber Piles 4in x 6in	Lin. Ft.	460	460
Class A Excavation for Str. 24in			60
Class B Excavation for Str.	Cu. Yds.		60
Test Piles (Timber)	Each	One	One
Name Plates	Each	One	One

PROJECT F-49()
 BRANCH OF GRANARY CREEK
 S.B.I. 17 SEC. 13 BR
 KANKAKEE COUNTY
 STATION 737+79

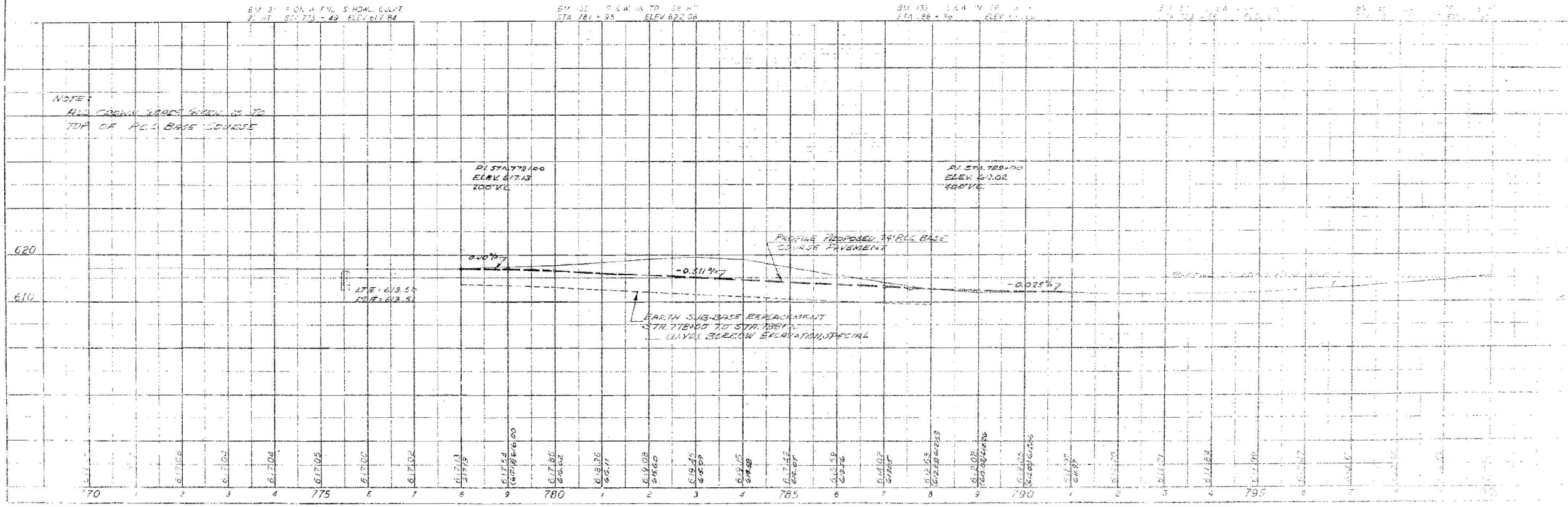
DESIGNED: *Ronald A. Kowatz*
 CHECKED: *W. J. Coville*
 DRAWN: *EMK*
 CHECKED: *M. J. R.*

DEC. 9 1958
 EXAMINED: *[Signature]*
 PASSED: *[Signature]*
 APPROVED: *[Signature]*



SEC. 13 BR
 INCLUDES CONTINUOUS SLAB, 2 SPAN
 SUPERSTRUCTURE ON NEW ABUTMENTS
 AND PIERS @ STATION 790+21
 LENGTH 60'-0" BK. & BK. ABUTMENTS
 WIDTH RDWY: 30'-0". SPANS: 2 @ 28'-3"
 ALL OTHER QUANTITIES ON THIS SHEET
 NOT INCLUDED IN THIS CONTRACT

SEC. 2, T.30N, R.9E., 3PM.



NOTE:
 ALL CROWN ELEVATIONS SHOWN IS TO
 TOP OF P.C.S. BASE COURSE

EARTH SUB-BASE REPLACEMENT
 STA. 778+00 TO STA. 787+00
 10% GRAVEL BORROW EXCAVATION SPECIAL

MODEL_PLOT
 FILE NAME: Y:\DOT\11352-02_66FB88\CD\Highway\CADD_Sheets\11352-02_66FB88\sh-cm106.dgn



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667' / 1 in.
 PLOT DATE = 3/1/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 046-0030 EXISTING STRUCTURE PLANS
 FOR INFORMATION ONLY

SCALE: NA SHEET NO. 6 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	71
CONTRACT NO. 66FB88				

ILLINOIS FED. AID PROJECT

B.M. 124 - S.W. in T.P. 30' R. Sta. 793+56
 Elev. 611.71
 Existing Structure - R.C. slab, 1 span @ 20'-0" with a 30'-4" Rdwy. on R.C. closed abut. Bridge Contractor to remove entire structure down to the top of exist. abut & wing footings.

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

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS	SHEET NO. /
13 BR	KANKAKEE	19	7	3 SHEETS

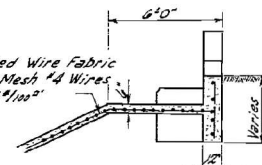
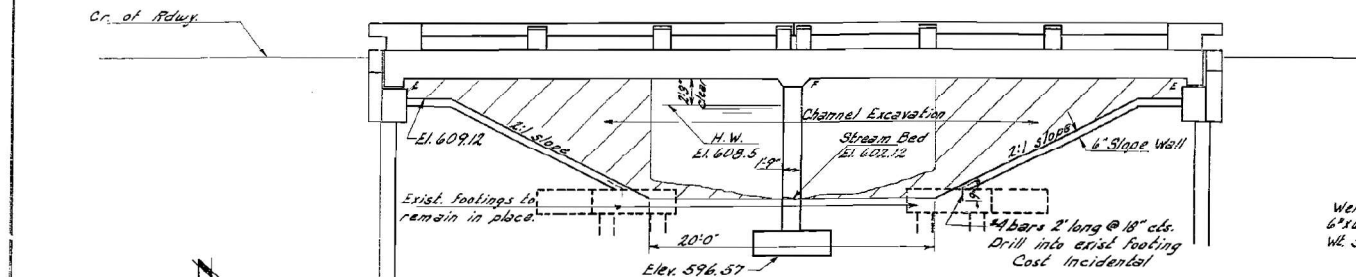
WATERWAY INFORMATION

Drainage Area.....3600 Acres
 Character.....level, cultivated
 Required Opening.....200 Sq. Ft.
 Present Opening.....70 Sq. Ft.
 Proposed Opening.....200 Sq. Ft.
 Ordinary Water Elev. 602.12
 Low Water Elev. 602.12

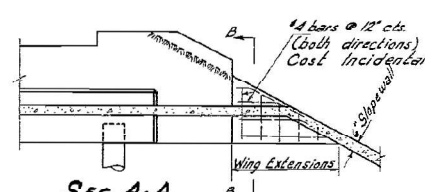
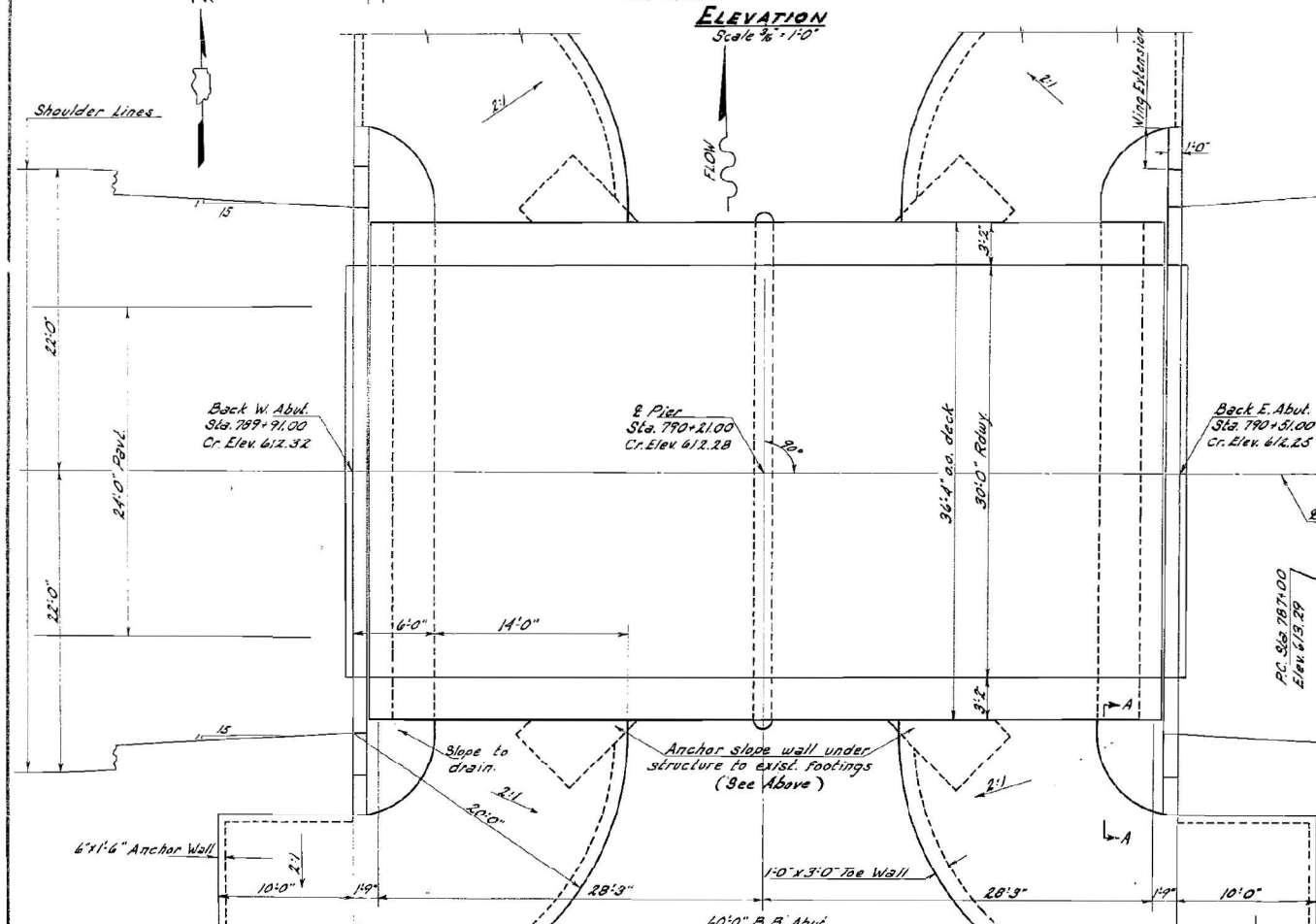
GENERAL NOTES

Class X Concrete shall be used throughout except in handrails.
 Handrail Concrete shall be used in handrails.
 The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
 Layout of slope walls may be varied to suit ground conditions in the field, as directed by the Engineer.
 The handrail concrete in the rail posts and railing shall be poured in separate operations.

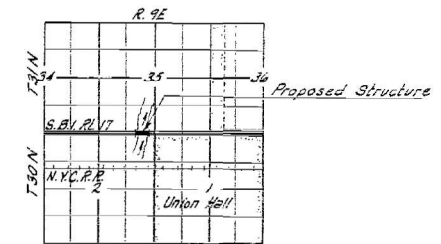
Rollers, bearing plates, lead plates and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel.
 All Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint, except that anchor studs shall not be painted.
 All paint shall be furnished by the Contractor.
 Contractor shall excavate channel as shown within the limits of the P.O.W. Est. 540 Cu. Yds.
 The contractor shall drive one test pile (in permanent location) at each abutment as directed by the Engineer before ordering remainder of piles.
 Expansion guards shall be fabricated and erected in accordance with Article 51.13(d) of the Standard Specifications and are included in quantity of Structural Steel.



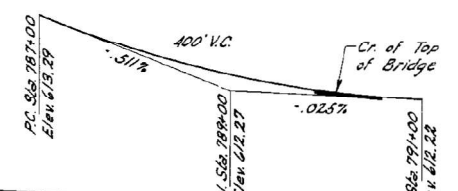
SEC. B-B



SEC. A-A



LOCATION PLAN



PROFILE

(Cr. of Rdwy. - Top of 3'-11" W.S.)

TOTAL BILL OF MATERIAL

Item	Super	Sub.	Total
Class X Concrete	Cu. Yds. 110.0	77.3	187.3
Handrail Concrete	Cu. Yds. 3.0	3.0	3.0
Reinforcement Bars	Lbs. 23,200	4,950	28,150
Structural Steel	Lbs. 5,280		5,280
Name Plates	Ea.	1	1
Concrete Piles	Lin. Ft.	160	160
Test Piles	Ea.	2	2
Slope Wall	Sq. Yds.	420	420
Channel Excavation	Cu. Yds.	540	540
Class A Excavation for Struct.	Cu. Yds.	80	80
Removal of Existing Struct.	Ea.	1	1
Class A Excav. for Struct.	Cu. Yds.	45	45

DESIGNED T.M. G...
 CHECKED H. K...
 DRAWN T.M. G...
 CHECKED H. K...
 EXAMINED...
 PASSED...
 APPROVED...
 DEC. 9 1958

PLAN Scale 3/8" = 1'-0"

DESIGN STRESSES
 f_c = 1400 p.s.i. Super & Sub.
 f_c = 25 p.s.i. (Pier Flg.)
 f_s = 20,000 p.s.i. Reinft.
 f_s = 18,000 p.s.i. Struct.
 n = 10
 LOADING H20-S16-44
 Max. Hg. pressure = 3900 #/sq. ft.

STATION 790+21
 BUILT 19 BY
 STATE OF ILLINOIS
 S.B.I. RT. 17 SEC. 13-BR
 F.A. PROJ. F-49C
 LOADING H20-S16
 NAME PLATE
 See Std. 211a

PROJ. F-49C
 GENERAL PLAN
 GRANARY CREEK
 S.B.I. RT. 17 SEC. 13 BR
 KANKAKEE COUNTY
 STA. 790+21

MODEL: PLOT
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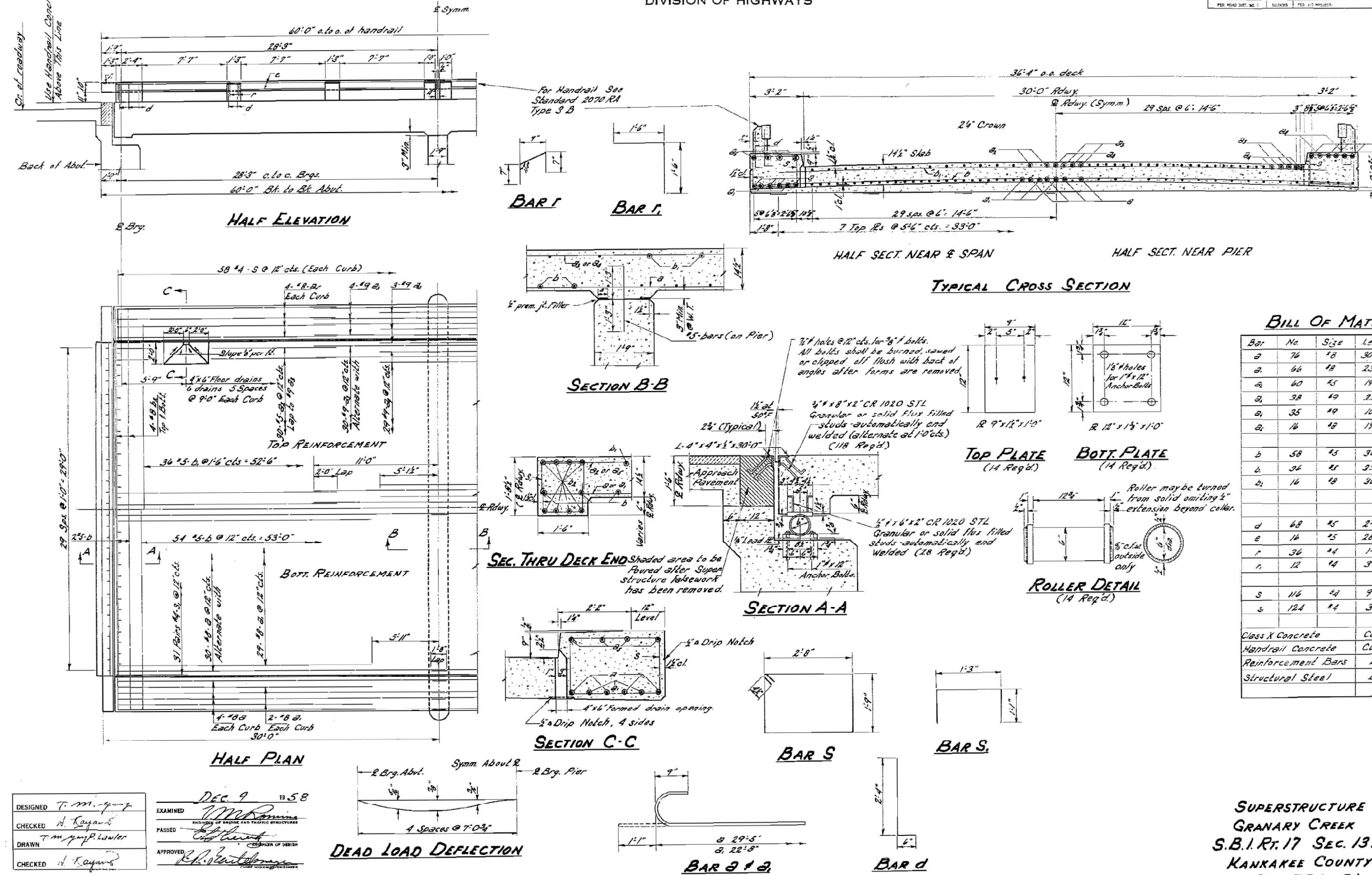
USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667 1/16"
 PLOT DATE = 3/1/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 046-0030 EXISTING STRUCTURE PLANS
 FOR INFORMATION ONLY
 SCALE: NA SHEET NO. 7 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	72
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



DESIGNED T.M. Gump
CHECKED H. Kayans
DRAWN T.M. Gump
CHECKED H. Kayans

EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]

DEC 9 1958

SUPERSTRUCTURE
GRANARY CREEK
S.B.I.Rt. 17 SEC. 13 BR
KANKAKEE COUNTY
STA. 790+21

MODEL: PLOT
FILE: NAME: Y:\DOT\11352-02_668BRCADD\Highway\CADD_Sheets\1352-02_668BRCADD\1352-02_668BRCADD.dwg



USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667 1/16"	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/1/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

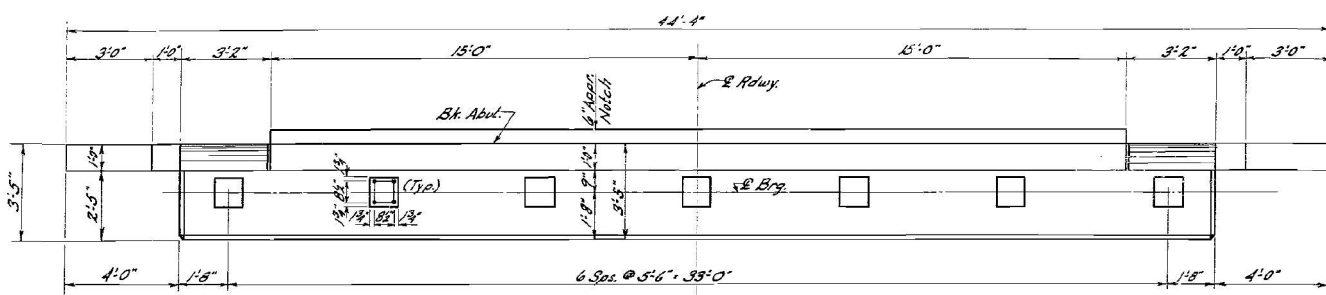
SN 046-0030 EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 8 OF 11 SHEETS STA. TO STA.

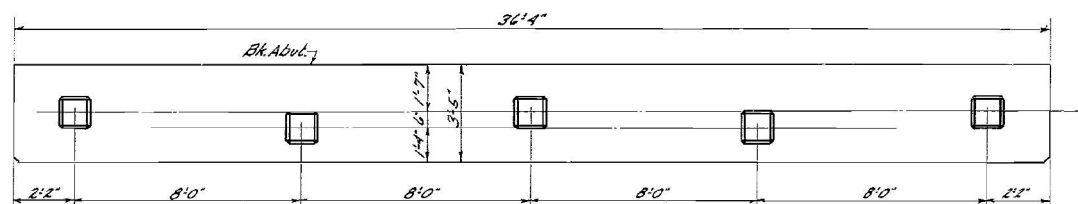
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	73
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

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

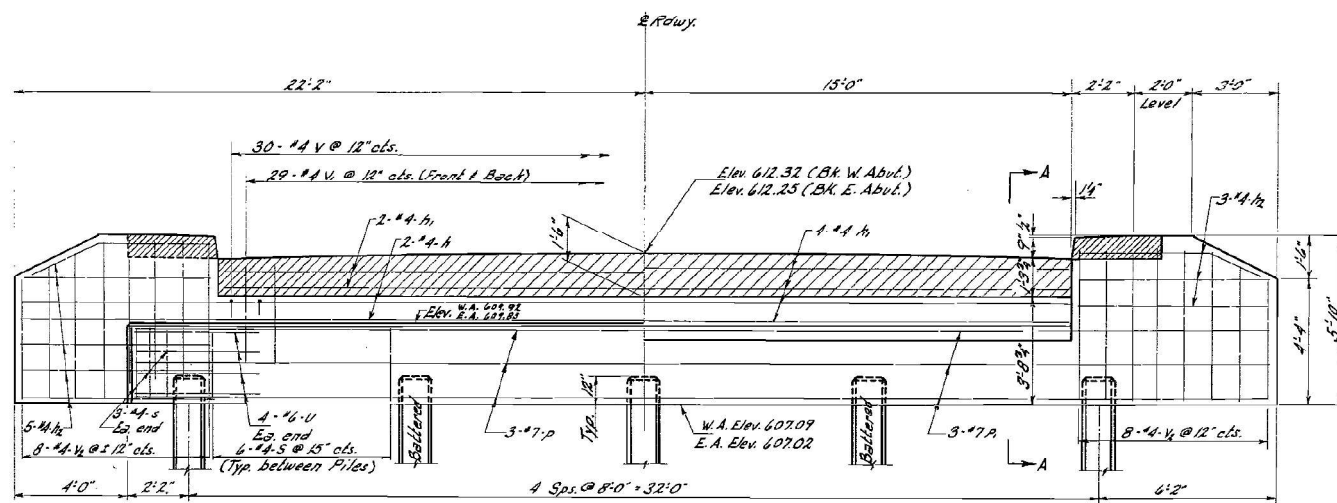
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
17	13BR	KANKAKEE	19	9	5 SHEETS
F.B. ROAD DIST. NO.	RELAY	RELAY NO.			



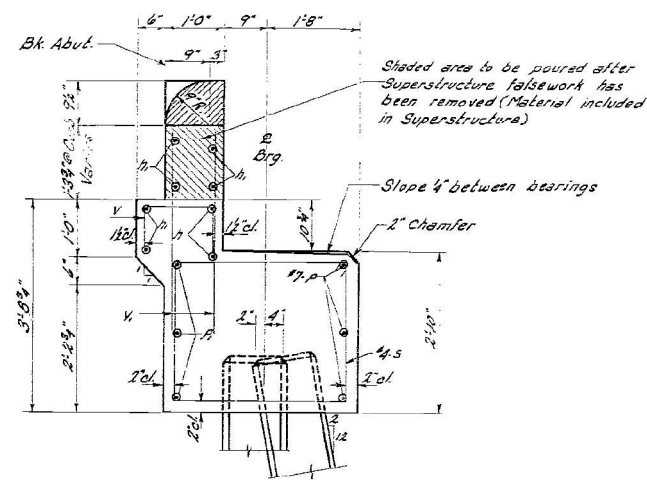
PLAN OF ABUTMENT



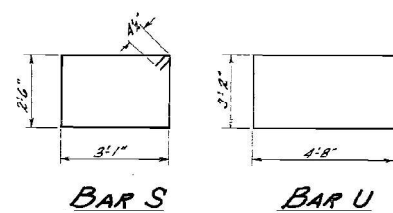
PLAN OF PILES



ELEVATION

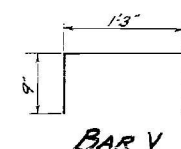


SEC. A-A



BAR S

BAR U



BAR V

BILL OF MATERIALS

(For Two Abutments)

Bar	No.	Size	Length	Shape	
n	8	#4	22'-6"		
h	24	#4	15'-6"		
1/2	32	#4	6'-11"		
v	60	#4	2'-9"		
v	116	#4	3'-9"		
1/2	64	#4	3'-1"		
p	6	#7	36'-0"		
p	6	#7	44'-0"		
s	60	#4	11'-11"		
u	16	#6	12'-6"		
Class X Concrete				Cu. Yd.	33.9
Reinforcement Bars				Lbs.	2,860
Concrete Piles				Lin. Ft.	160
Test Piles				Eq.	2
Class A Excav for Street				Cu. Yd.	45

PILE DATA
Type Concrete
Capacity 25 tons
Est. length 20 ft.
No. Required 10 (incl. two test piles)
Test Pile at Each Abut.

DESIGNED T. M. Yang
CHECKED N. Reynolds
DRAWN T. M. Yang, P. Lawler
CHECKED N. Reynolds

EXAMINED Dec. 9 1958
PASSED
APPROVED

ABUTMENTS
GRANARY CREEK
S.B.I. Rt. 17 Sec. 13 BR
KANKAKEE COUNTY
STA. 790+21

MODEL: PLOT
FILE NAME: Y:\HD011352-02_66F88CADD\Highway\CADD_Sheets\1352-02_66F88-9-109.dwg



USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667 1/16 in.
PLOT DATE = 3/1/2021

DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

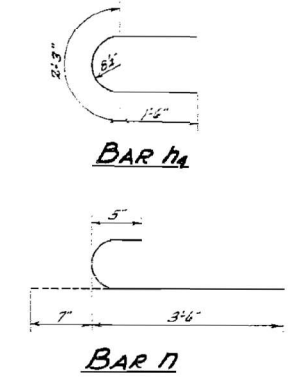
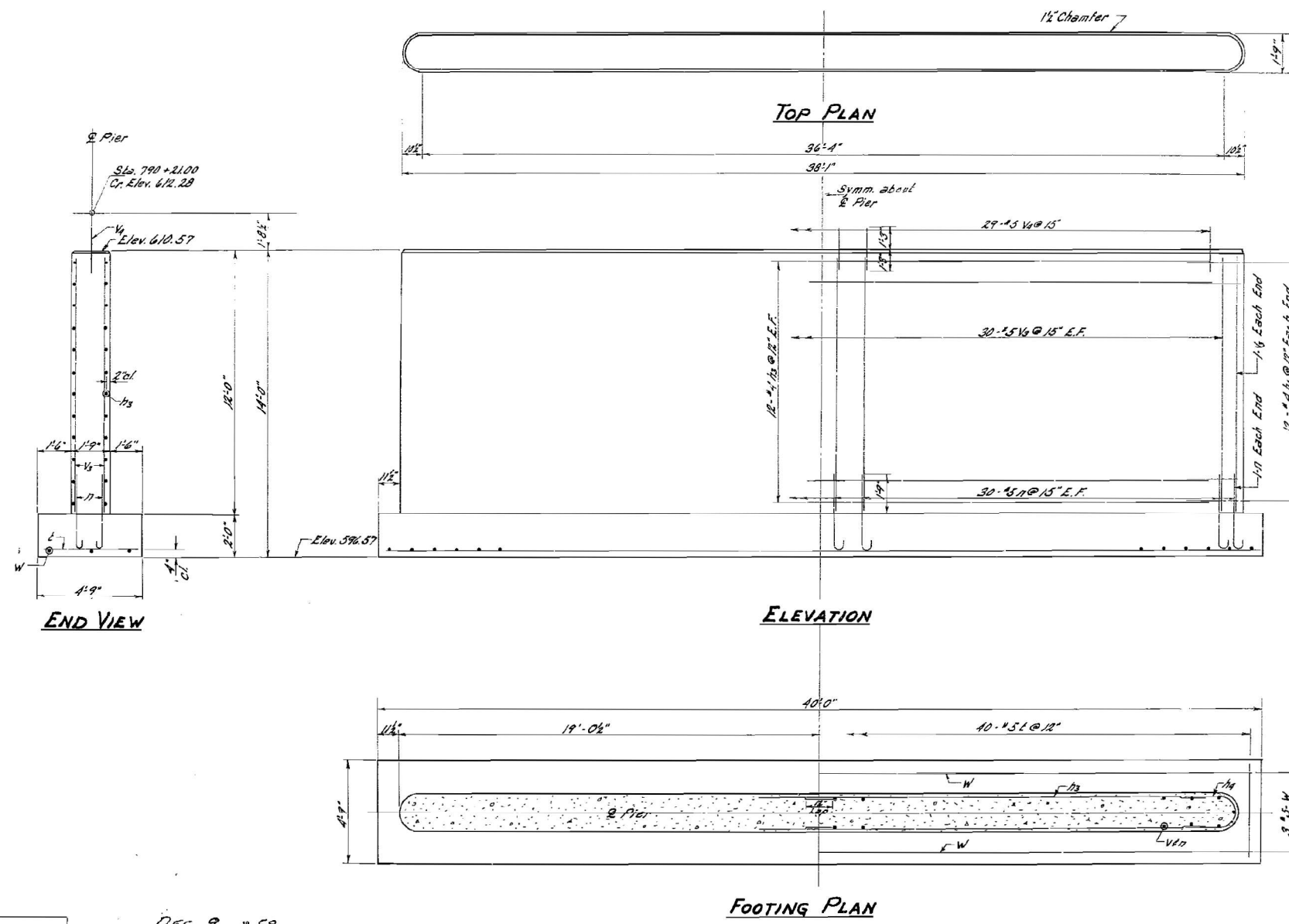
SN 046-0030 EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 9 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	74
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

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

ROUTE NO.	SECTION	SHEET NO.	TOTAL SHEETS
17	13 BR KANKAKEE	10	5



BILL OF MATERIALS

Bar	No	Size	Length	Shape
h ₂	48	#4	18'-3"	—
h ₄	24	#4	33"	—
v ₁	62	#5	11'-9"	—
w	29	#5	2'-6"	—
n	62	#5	4'-1"	—
t	40	#5	4'-6"	—
w	6	#5	20'-6"	—
Class X Concrete			Cu. Yds.	49.4
Reinforcement Bars			Lbs.	2,090
Class B Excav. for Struct.			Cu. Yds.	80

DESIGNED *T. M. Lawler*
CHECKED *H. Kayant*
DRAWN *T. M. Lawler*
CHECKED *H. Kayant*

EXAMINED *M. R. ...*
PASSED *H. Kayant*
APPROVED *R. B. ...*

DEC 9 19 58

PIER
GRANARY CREEK
S.B.I. RT. 17 - SEC. 13 BR
KANKAKEE COUNTY
STA. 790+21



MODEL_PLOT
FILE_NAME: Y:\PROJECTS\1352-02_668BR\ADD\Highway\CADD_Sheets\1352-02_668BR-10.dwg



USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/1/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

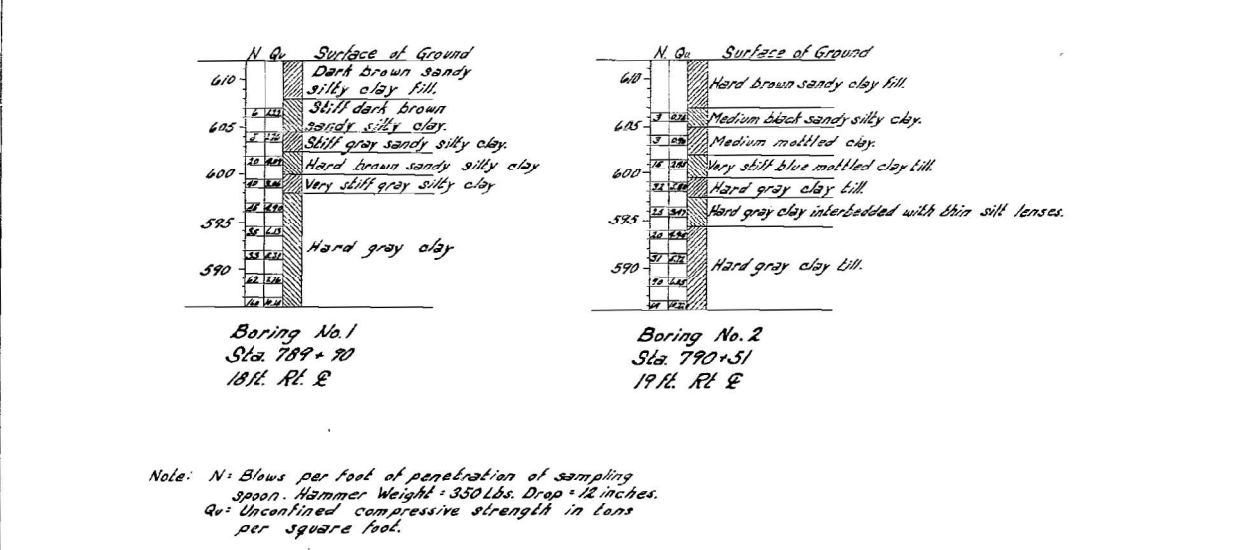
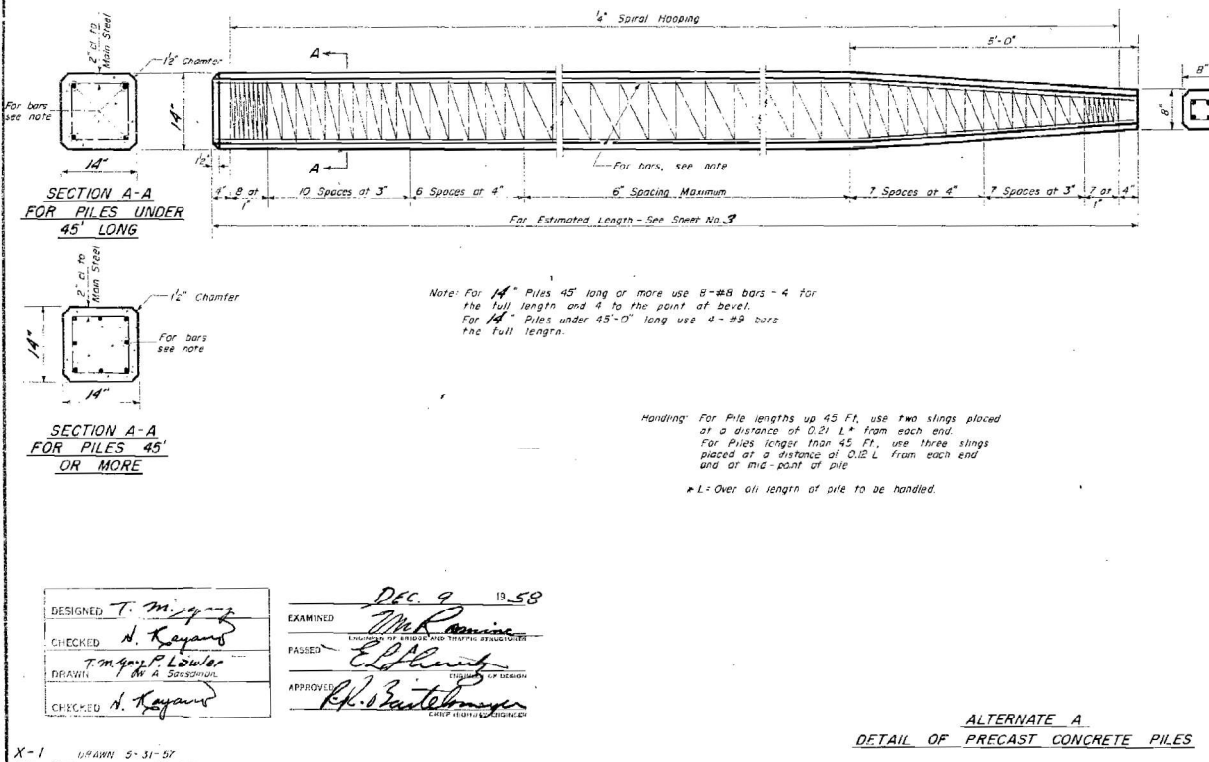
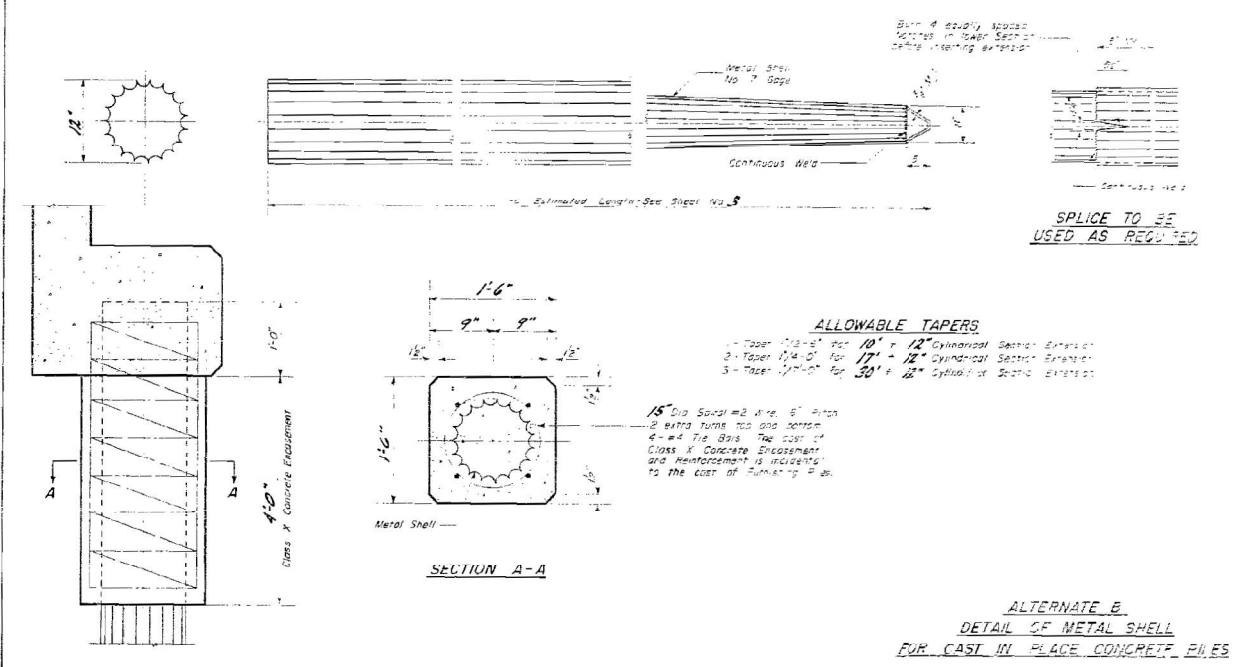
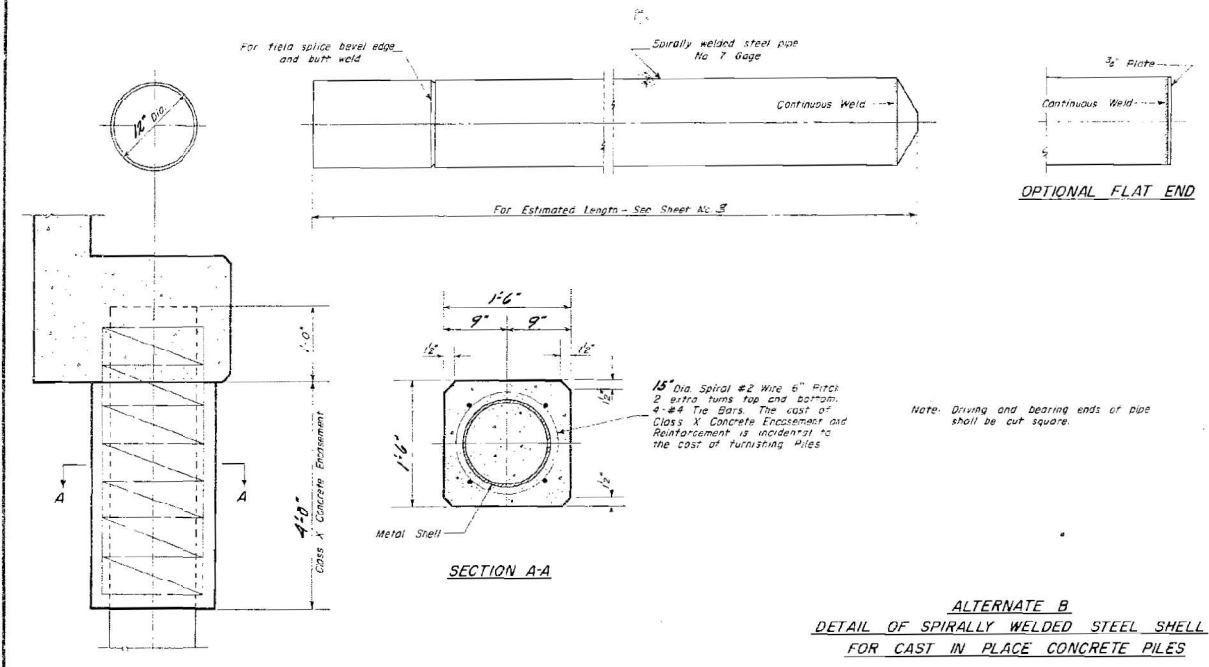
SN 046-0030 EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 10 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	75
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

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

PROJECT NO.	17	13 BR KANKAKEE	19	11	SHEET NO.	5
REVISED						



FILE ALTERNATES
AND BORING DATA
GRANARY CREEK
S.B.I. RT. 17 SEC. 13 BR
KANKAKEE COUNTY
STA. 790+21

DESIGNED	T. M. [Signature]	EXAMINED	DEC 9 1958
CHECKED	A. Kayard	PASSED	[Signature]
DRAWN	T. M. [Signature]	APPROVED	[Signature]
CHECKED	A. Kayard		

MODEL PLOT
FILE NAME: X:\DOT11352-02_668BRKADD\Highway\CADD_Sheets\1352-02_668BRKADD\111.dwg



USER NAME	= kah	DESIGNED	- SMA	REVISED	-
ESCA PROJECT NO.	1352.02	DRAWN	- SMA	REVISED	-
PLOT SCALE	= 0.1667 1/16"	CHECKED	- RDP/SKM	REVISED	-
PLOT DATE	= 3/4/2021	DATE	- 03/21	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

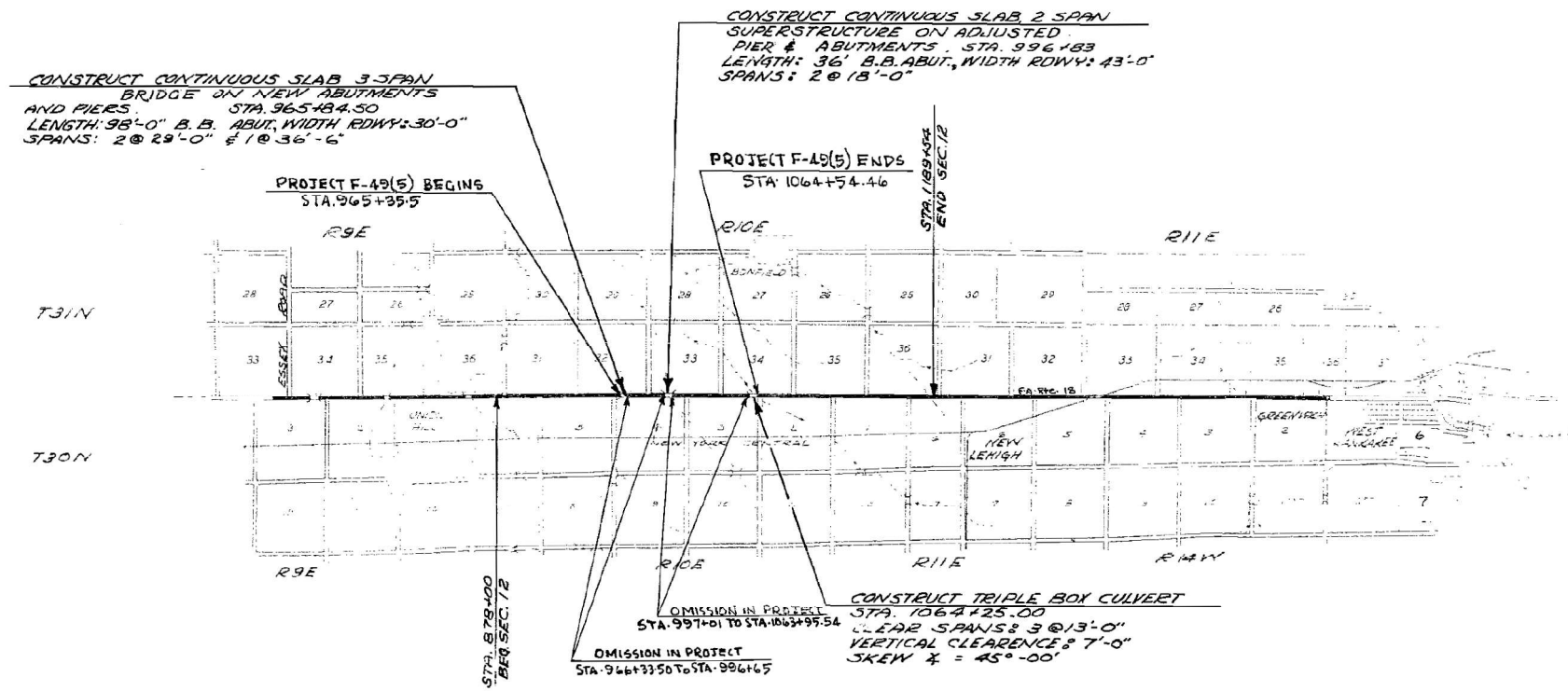
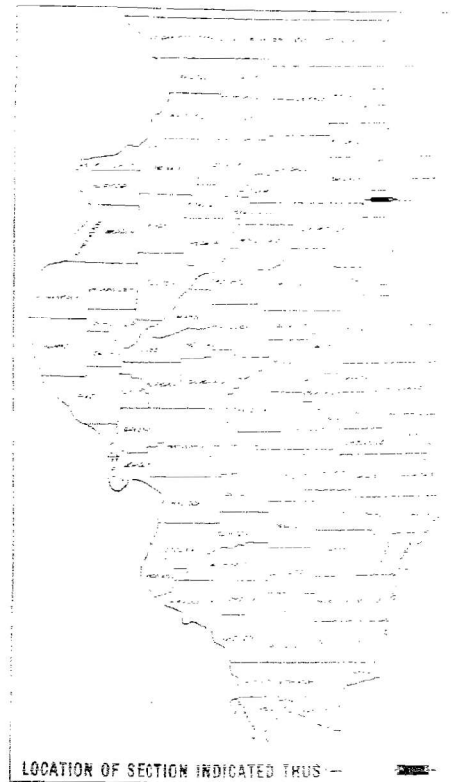
SN 046-0030 EXISTING STRUCTURE PLANS FOR INFORMATION ONLY	
SCALE: NA	SHEET NO. 11 OF 11 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	76
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 STATE BOND ISSUE HIGHWAY**

S.B.I. ROUTE 17, SEC. 12 BR
 PROJECT F-49 (5)
 KANKAKEE COUNTY

SCALE: 1" = 40' VERT.
 1" = 100' HORZ.



APPROVED

March 5, 59
 March 5, 59
 March 5, 59
 March 5, 59

DEPARTMENT OF ILLINOIS
 WORKS AND BUILDINGS
 DIVISION ENGINEER

MODEL_PLOT
 FILE NAME: Y:\H01011352-02_668BRCADD\Highway\CADD_Sheets\103668B88-shr-com201.dgn



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667 1 / in.
 PLOT DATE = 3/4/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 046-0032 EXISTING STRUCTURE PLANS
 FOR INFORMATION ONLY

SCALE: NA SHEET NO. 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	77
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

BRIDGE AT STA. 965+84.5	BRIDGE AT STA. 996+83	CULVERT AT STA. 1064+25	TOTAL	UNIT	ITEM
383	200	250	833	CU. YDS.	CHANNEL EXCAVATION
66	45		111	CU. YDS.	CLASS A EXCAVATION FOR STRUCTURES
191	70		261	CU. YDS.	CLASS B EXCAVATION FOR STRUCTURES
	5		5	CU. YDS.	CONCRETE REMOVAL
159.4			159.4	CU. YDS.	CLASS A CONCRETE
220.9	193.0	251.8	665.7	CU. YDS.	CLASS X CONCRETE
4.5	1.9		6.4	CU. YDS.	HANDRAIL CONCRETE
52,670	24,360	47,140	124,170	LBS.	REINFORCEMENT BARS
6,190			6,190	LBS.	FURNISHING AND ERECTING STRUCTURAL STEEL
	74		74	EACH	EXPANSION BOLTS
764			764	SQ. YDS.	SLOPE WALL
	255		255	SQ. YDS.	BROKEN CONCRETE RIPRAP
300			300	LIN. FT.	FURNISHING STEEL PILES (8BP36)
300			300	LIN. FT.	DRIVING STEEL PILES
2			2	EACH	TEST PILES (8BP36)
1	1	1	3	EACH	NAME PLATES
1			2	EACH	REMOVAL OF EXISTING STRUCTURES
	1		1	EACH	REMOVAL OF EXISTING SUPERSTRUCTURES

INDEX OF SHEETS

SHEET NO.	ITEM
SHEET NO. 1	COVER SHEET
SHEET NO. 2	INDEX OF SHEETS, SUMMARY OF QUANTITIES
SHEET NO. 3	TYPICAL SECTIONS
SHEET NO. 4	PLAN & PROFILE, STA. 950+00 TO 980+00
SHEET NO. 5-9 INCLUSIVE	BRIDGE PLANS, STA. 965+84.5, SHEET 1 of 5 TO SHEET 5 of 5
SHEET NO. 10	PLAN & PROFILE, STA. 980+00 TO 1010+00
SHEET NO. 11-14 INCLUSIVE	BRIDGE PLANS, STA. 996+83, SHEET 1 of 4 TO SHEET 4 of 4
SHEET NO. 15	PLAN & PROFILE, STA. 1064+00 TO 1070+00
SHEET NO. 16	BRIDGE PLANS, STA. 1064+25 SHEET 1 of 1
SHEET NO. 17	STD. 1971-S, STD. 1972-R, STD. 2113
SHEET NO. 18	STD. 2070-RA, STD. 2070-RB
SHEET NO. 19	STD. 2126, 2136

TRAFFIC CLASSIFICATION
312 (DHW-1978)-M-70

Note: One sign conforming to standard 2136 shall be erected at a location as directed by the Engineer.

MODEL_PLOT
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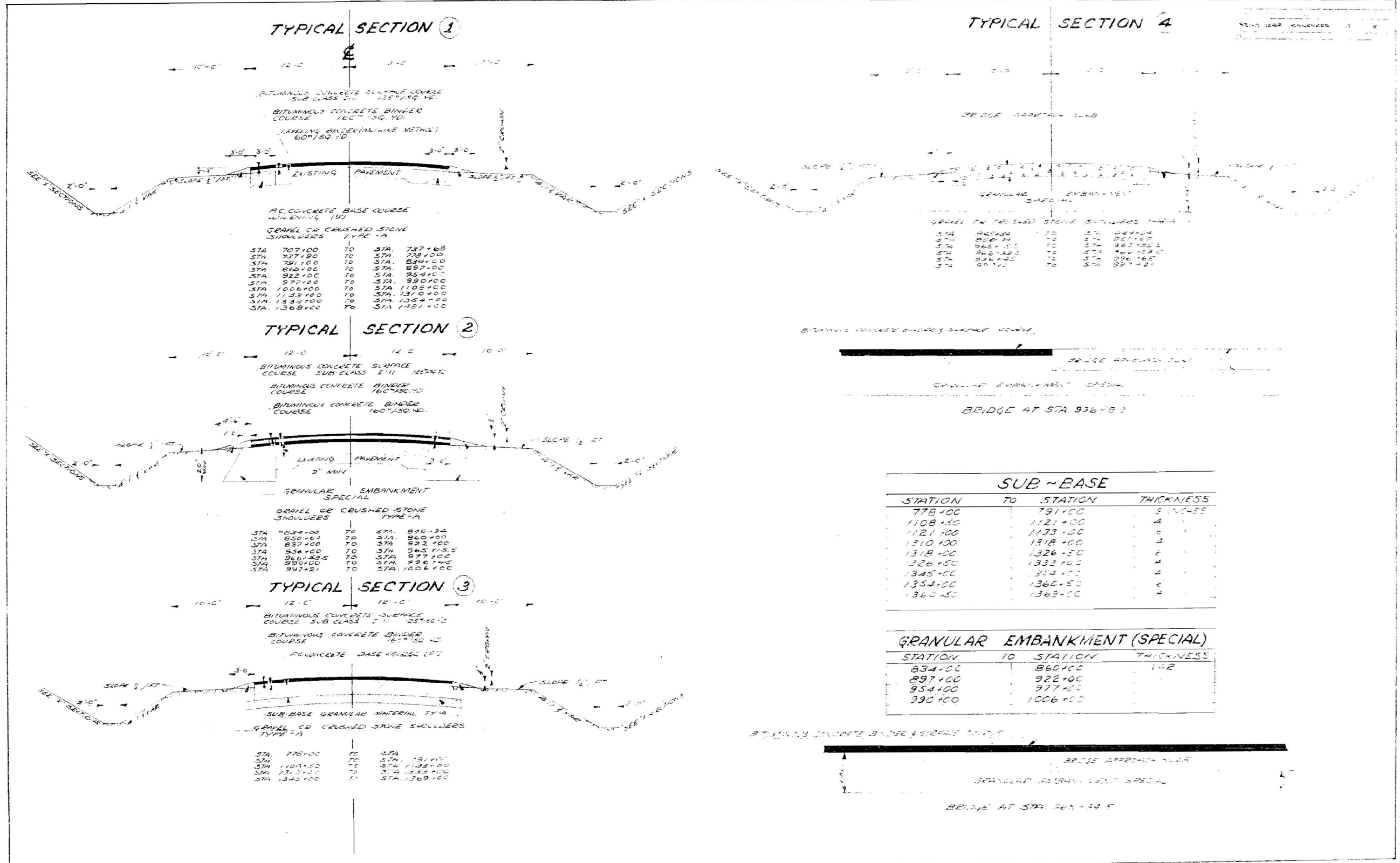
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ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 046-0032 EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 2 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	78
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION 1

TYPICAL SECTION 4

TYPICAL SECTION 2

TYPICAL SECTION 3

SUB-BASE		
STATION	TO STATION	THICKNESS
778+00	791+00	8 INCHES
1108+50	1121+00	4
1121+00	1133+00	2
1310+00	1318+00	2
1318+00	1326+50	2
1326+50	1332+00	4
1345+00	1354+00	2
1354+00	1360+50	2
1360+50	1368+00	4

GRANULAR EMBANKMENT (SPECIAL)		
STATION	TO STATION	THICKNESS
834+00	860+00	1-2
897+00	922+00	
954+00	977+00	
990+00	1006+00	

MODEL_PLOT
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USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/1/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

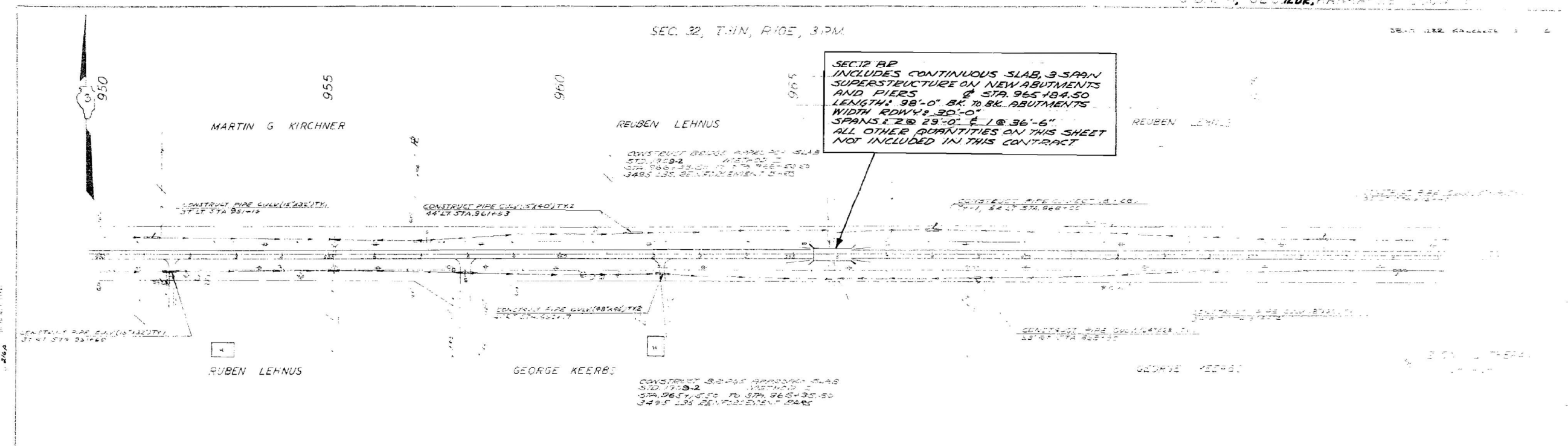
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 046-0032 EXISTING STRUCTURE PLANS
 FOR INFORMATION ONLY

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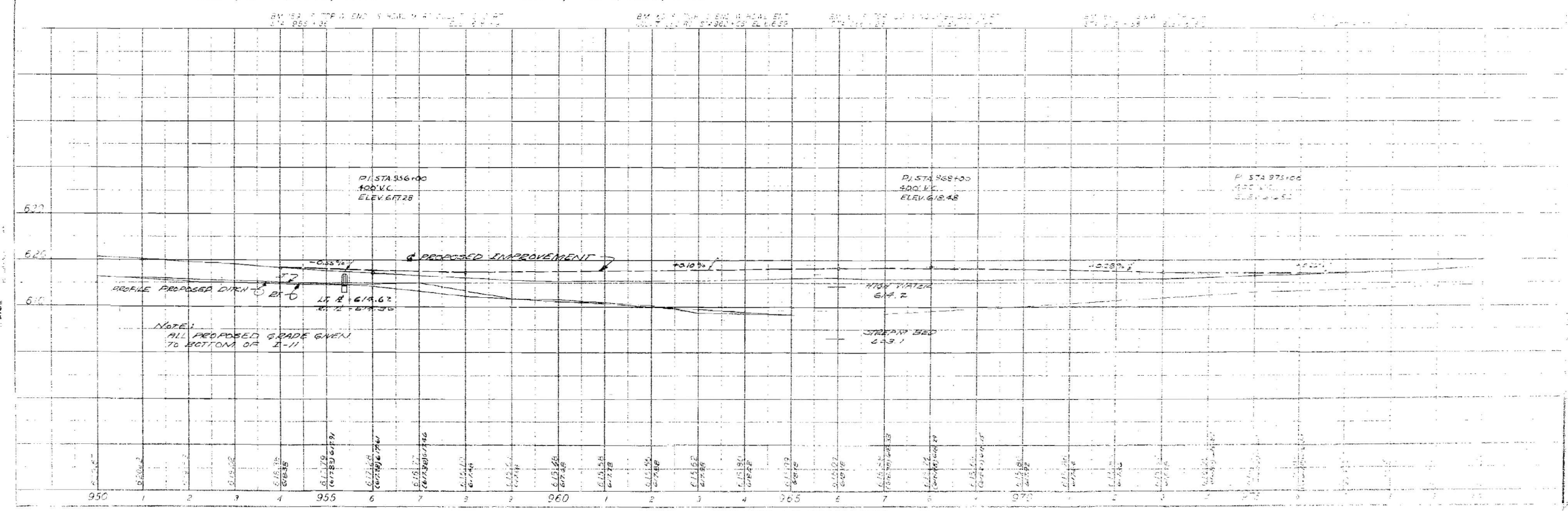
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	79
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

SEC. 32, T.31N, R.10E, 3.PM



SEC. 5, T.30N, R.10E, 3.PM

SEC. 4, T.30N, R.10E, 3.PM



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USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667 1/16"
 PLOT DATE = 3/1/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 046-0032 EXISTING STRUCTURE PLANS
 FOR INFORMATION ONLY

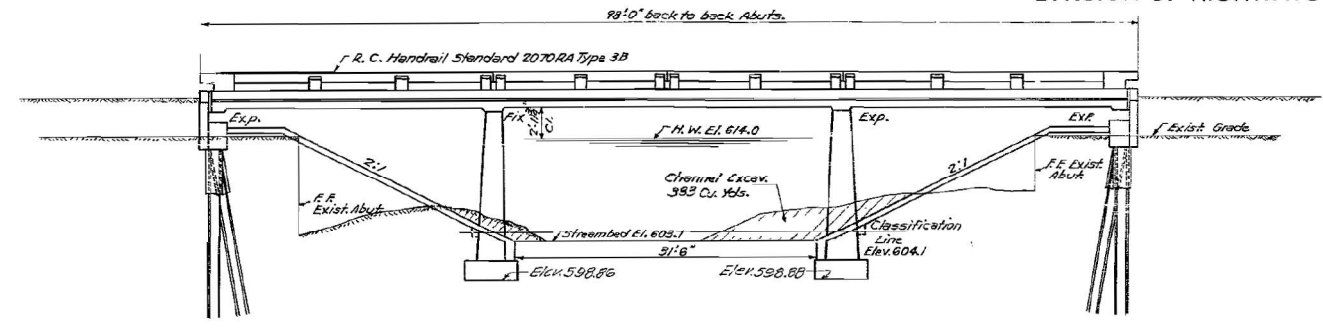
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CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

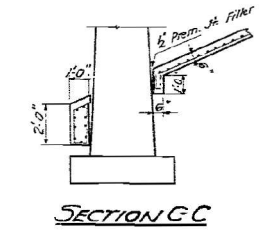
5.17. 161' Top S.E. Wing Bridge 12' Ht. Sfs. 766+23 Elev. 615.88
 Existing Structure: R.C. 3x6 3 spans @ 25' R.C. Closed Abuts.
 Bridge Contractor to remove existing structure before new const.

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

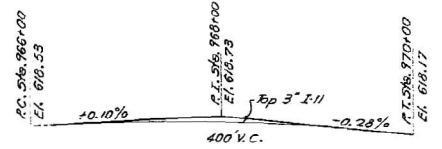
DATE	BY	CHECKED	SCALE	SHEET NO.
11/17	BR	Kankakee	1/8"	5
PROJECT NO. 046-0032				5 SHEETS



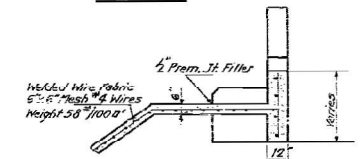
ELEVATION



SECTION C-C



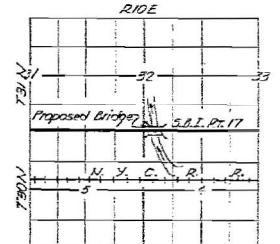
V.C. DATA



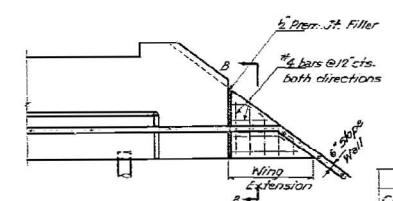
SECTION B-B

WATERWAY INFORMATION

Drainage Area	17800 acrs
Character	Cultivated
Required Opening (25 Year Flood)	325 Sq. Ft.
Present Opening	623 Sq. Ft.
Proposed Opening	623 Sq. Ft.
Ordinary Water Elev.	604.08
Low Water Elev.	603.08



LOCATION SKETCH

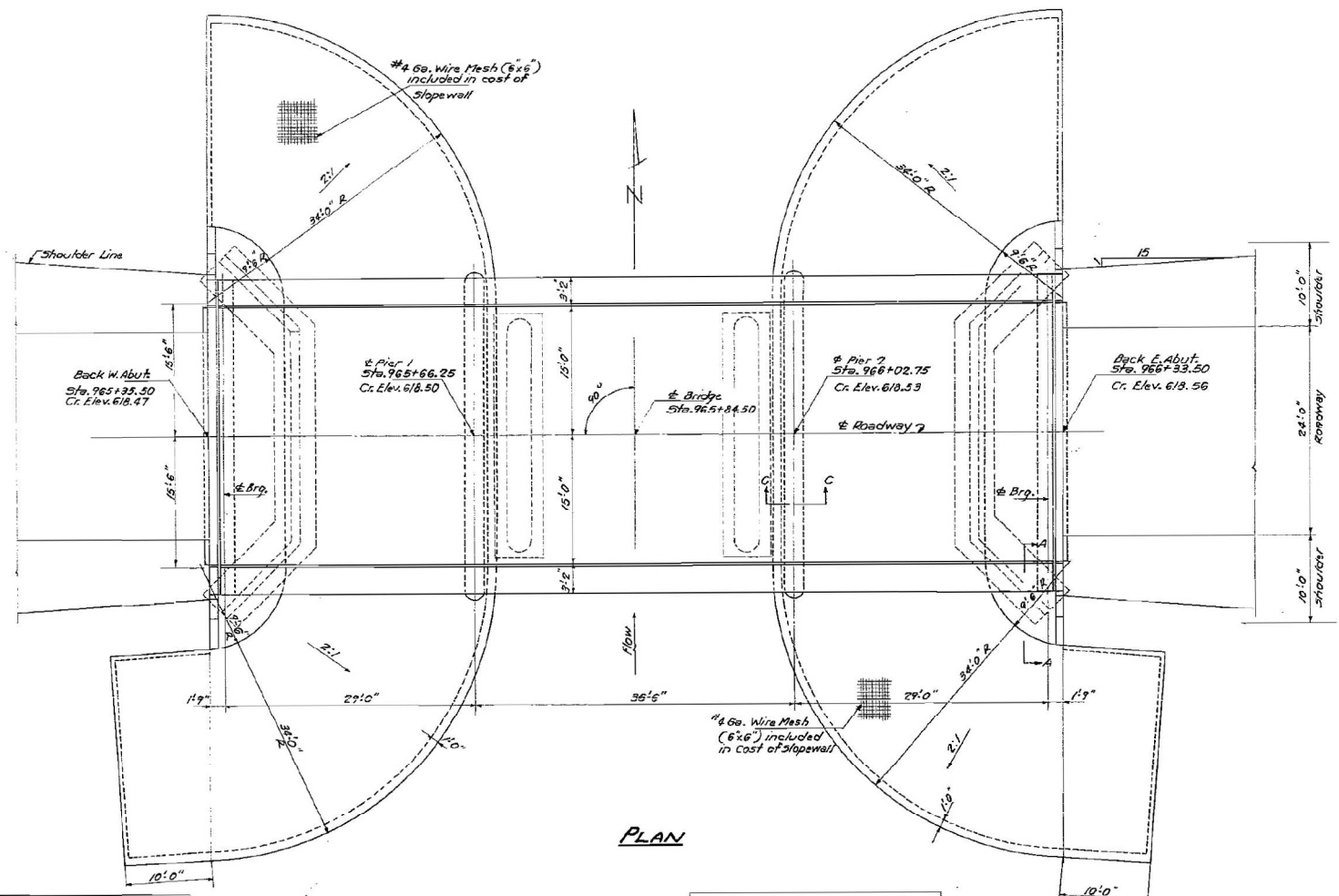


SECTION A-A

TOTAL BILL OF MATERIAL

Item	Unit	Superst.	Substr.	Total
Class 'C' Concrete	Cu.Yds.	185.6	32.3	220.9
Handrail Concrete	Cu.Yds.	4.5		4.5
Reinforcement Bars	Lbs.	42640	10030	52670
Slope Wall	Sq.Yds.			764
Steel Piles (BBP36)	Lin.Ft.		300	300
Test Piles (BBP36)	Each		2	2
Class-A Excavation for Struct.	Cu.Yds.		66	66
Class-B Excavation for Struct.	Cu.Yds.		191	191
Name Plates	Each	1		1
Channel Excavation	Cu.Yds.			383
Structural Steel	Lbs.	6190		6190
Removal of Existing Structure	Each			1
Class A Concrete	Cu.Yds.		159.4	159.4

DESIGN STRESSES
 f_c - 1800 lb./sq. Super.
 f_s - 20000 lb./sq. Reinf.
 V_c - 75 lb./sq. Footings
 H - 10
 Max. Hy. Pressure - 2 tons/sq'



PLAN

DESIGNED: *Ken A. Lindell*
 CHECKED: *Walter J. Willy*
 DRAWN: *W. Miller*
 CHECKED: *Y. H.*

EXAMINED: *Nov. 6 19 58*
 PASSED: *R.R. Basch*
 APPROVED: *R.R. Basch*

STATION 965+84.5
 BUILT 1955 BY
 STATE OF ILLINOIS
 S.B.I. RT. 17-SEC.12-BR
 F.A. PROJECT F-49(15)
 LOADING H20-516

LETTERING FOR NAME PLATE
 See Standard 2113

F.A. PROJECT F-49(5)
 GENERAL PLAN & ELEVATION
 EAST BRANCH OF HORSE CREEK
 S.B.I. RT. 17- SEC. 12- BR
 KANKAKEE COUNTY
 STATION 965+84.5

Loading H20-516-44

MODEL: PLOT
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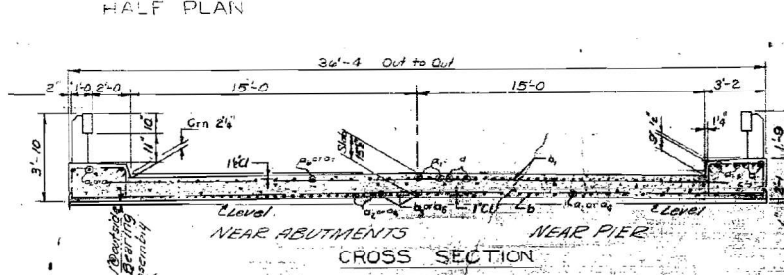
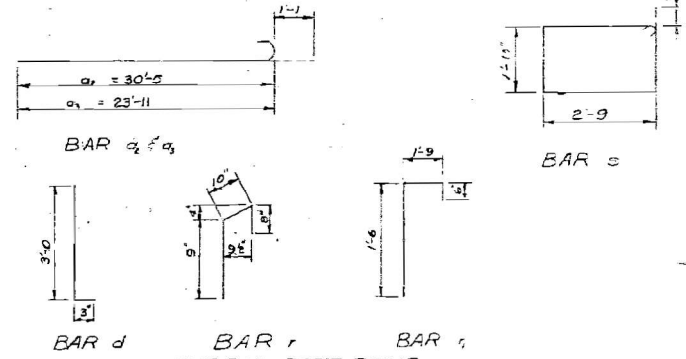
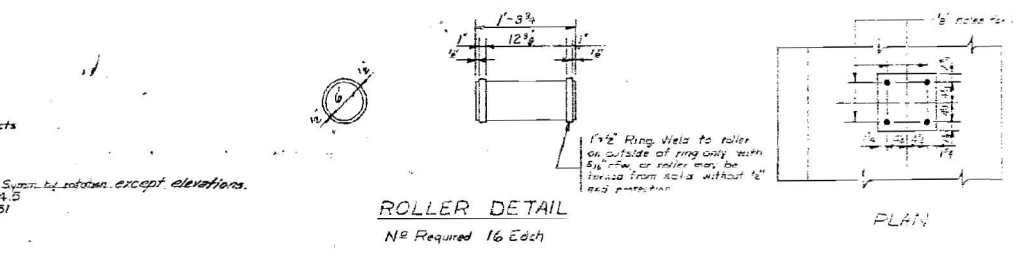
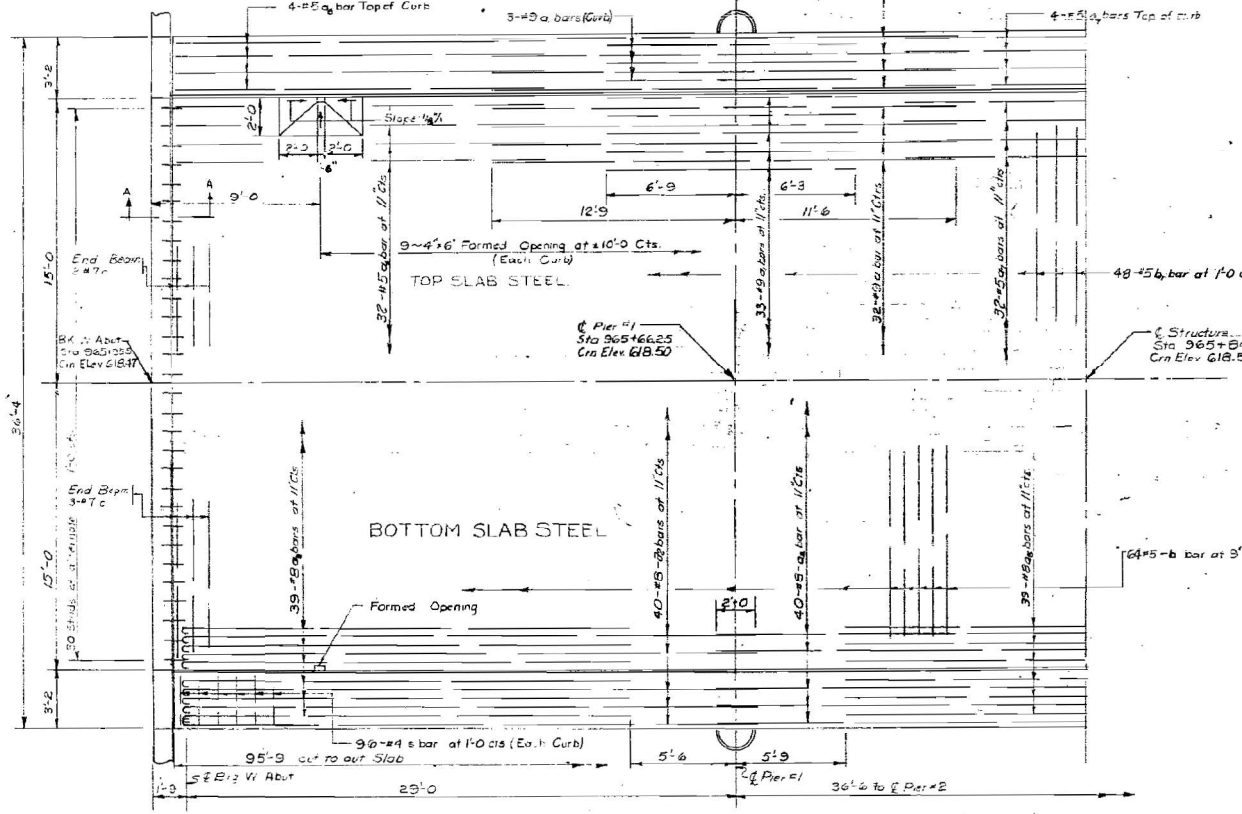
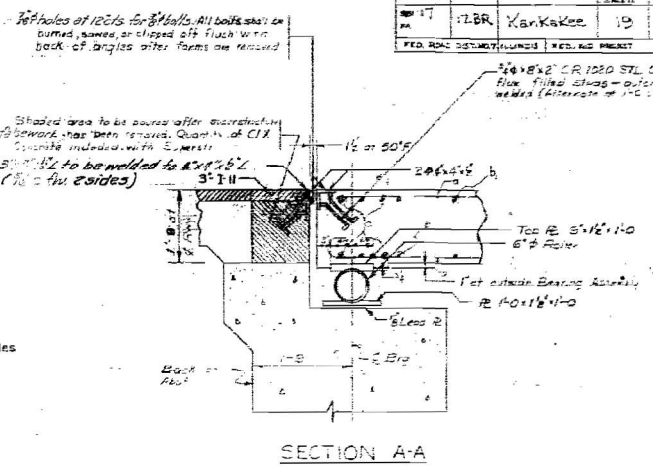
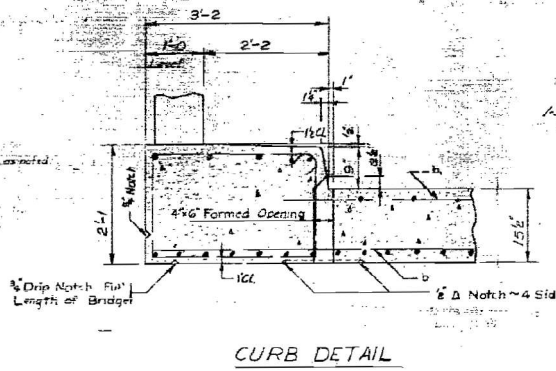
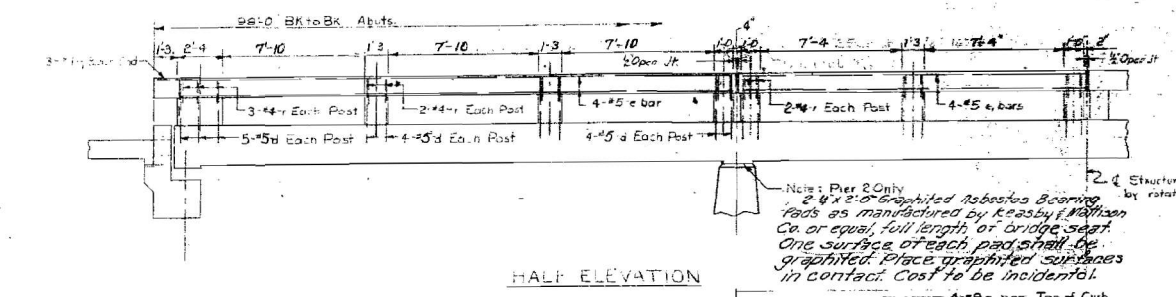
USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667 1/16"	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/1/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SN 046-0032 EXISTING STRUCTURE PLANS
 FOR INFORMATION ONLY

SCALE: NA SHEET NO. 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	81
CONTRACT NO. 66F88			ILLINOIS FED. AID PROJECT	



SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Spaced
a	80	5	24'-3"	
b	78	5	13'-0"	
c	80	5	31'-6"	
d	78	5	24'-0"	
e	40	5	38'-6"	
f	39	5	25'-3"	
g	20	5	48'-3"	
h	40	5	12'-0"	
i	128	5	36'-0"	
b ₁	86	5	36'-0"	
c	12	7	36'-0"	
s	192	4	7'-0"	
a	116	5	2'-3"	
e	16	5	29'-6"	
e	16	5	18'-0"	
r	60	4	2'-3"	
t	12	4	3'-9"	
Class X Concrete Cu Yds 188.8				
Handrail Concrete Cu Yds 4.5				
Reinforcement Bars Lbs 142,642				
* Structural Steel Lbs 61,900				
Name Plate lb 1				

* Weight of Rollers, Bearing Plates, Lead Plates, and Anchor Bolts included at Structure. Est. Weight = 3940 lbs.

DESIGN *J. A. Smith*
 CHECKED *Walter Hilley*
 DRAWN *Wm. A. Sereff*
 CHECKED *J. G. H.*

EXAMINED *W. M. Romine*
 PASSED *J. F. Shultz*
 APPROVED *R. R. Paulding*

Nov. 6 1958

SUPERSTRUCTURE DETAILS
 SBI R17 SEC 12 BR
 Kankakee County
 STA 965+84.5

MODEL: PLOT FILE: NAME: Y:\DOT\11352-02_668BRCADD\Highway\CADD_Sheets\11352-02_668BRCADD\Highway\DOT\11352-02_668BRCADD.dwg



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667 1/16"
 PLOT DATE = 3/1/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

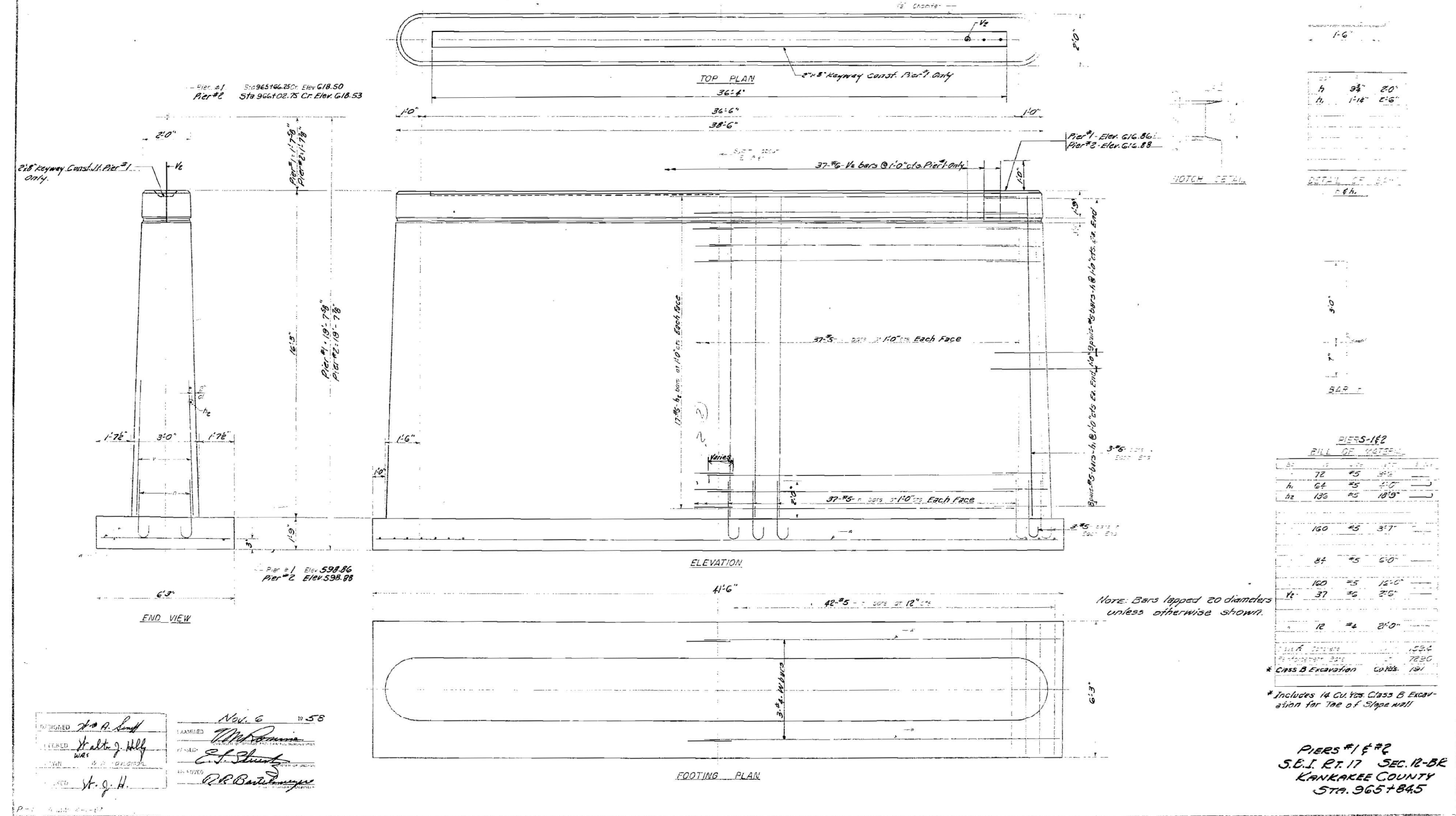
SN 046-0032 EXISTING STRUCTURE PLANS
 FOR INFORMATION ONLY

SCALE: NA SHEET NO. 6 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1 (12)BR	KANKAKEE	103	82
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

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

17 12BR Kankakee 10 7 5



DESIGNED: *A. R. Smith*
CHECKED: *Walter J. Kelly*
DRAWN: *W. J. Kelly*
DATE: *Nov. 6 1958*

EXAMINED: *W. J. Kelly*
DATE: *Nov. 6 1958*

APPROVED: *W. J. Kelly*
DATE: *Nov. 6 1958*

MODEL: PLOT
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ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667 1/16"	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

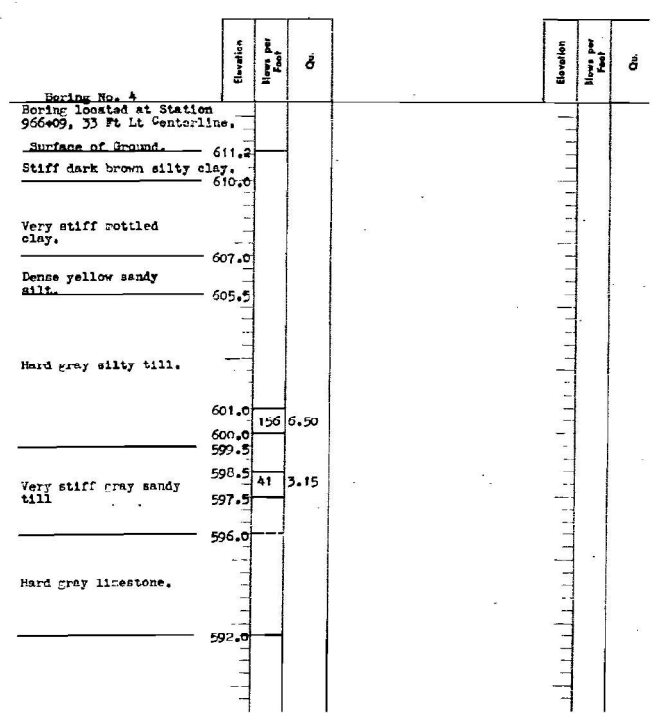
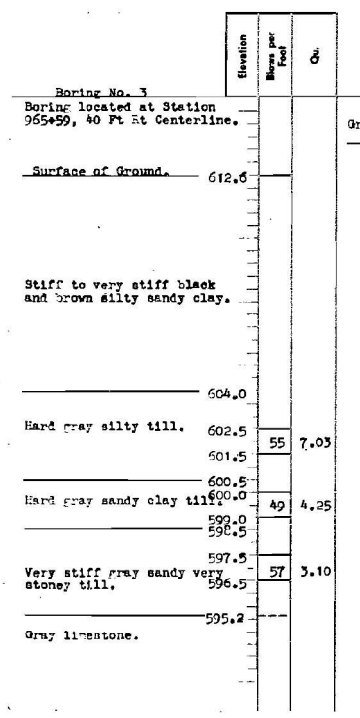
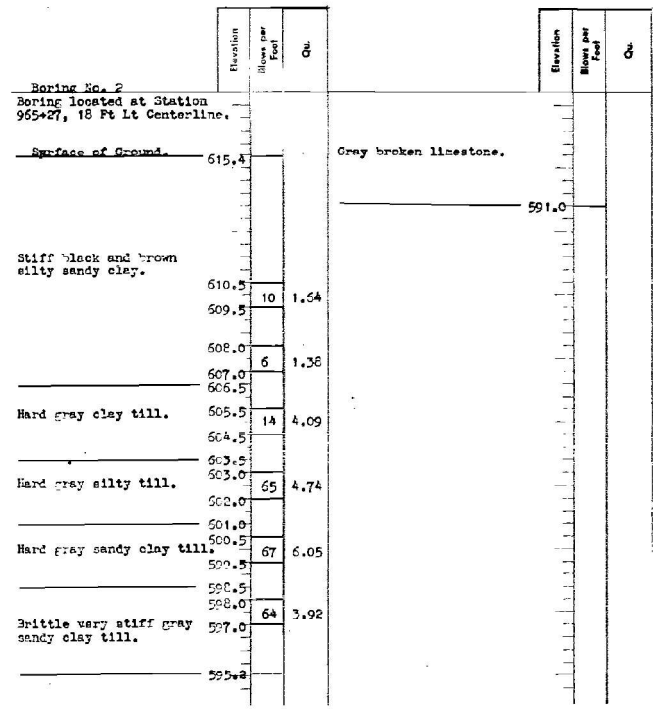
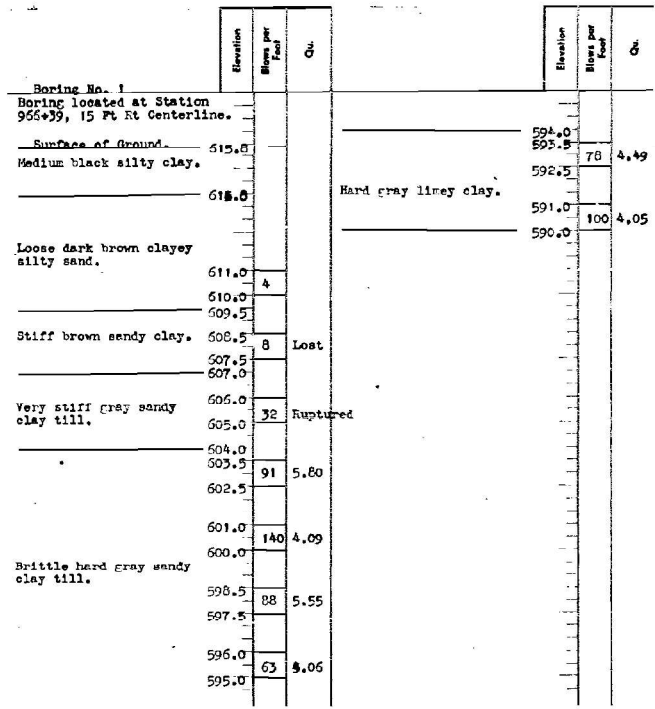
SN 046-0032 EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	83
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

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

SHEET NO. 5
17 BR Kankakee 13 5 SHEETS



Note: N = Blows per foot of penetration of sampling spoon. Hammer Wt = 350 lbs
D_{sp} = 2 inches
Cu = Unconfined compressive strength in tons per square foot.

BORING DATA
S.B.I. Rt. 17 SEC. 12BR
KANKAKEE COUNTY
STA. 965+845

DESIGNED: *Nov. 6 11.58*
CHECKED: *W. G. H.*
DRAWN: *W. G. H.*
EXAMINED: *W. G. H.*
PASSED: *W. G. H.*
APPROVED: *W. G. H.*

MODEL: PLOT
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USER NAME = kah
ESCA PROJECT NO. 1352.02
PLOT SCALE = 0.1667' / in.
PLOT DATE = 3/4/2021

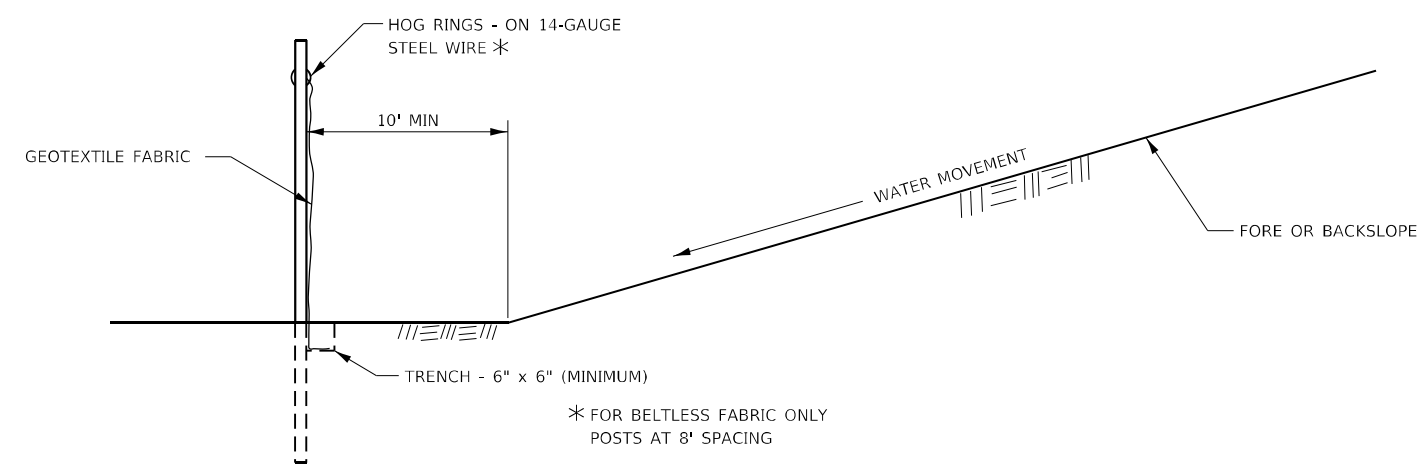
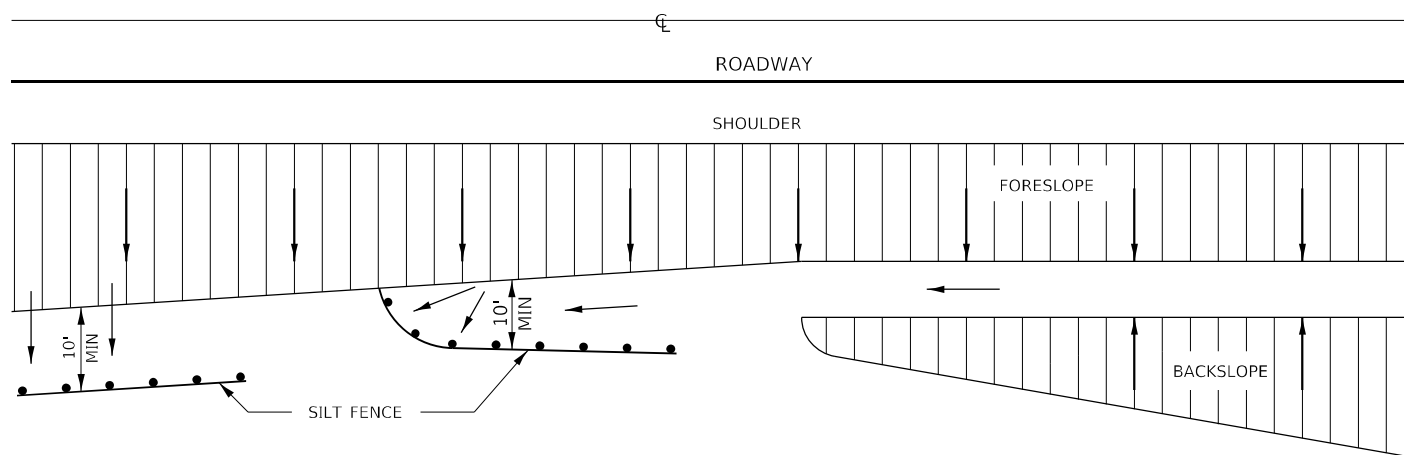
DESIGNED - SMA
DRAWN - SMA
CHECKED - RDP/SKM
DATE - 03/21

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

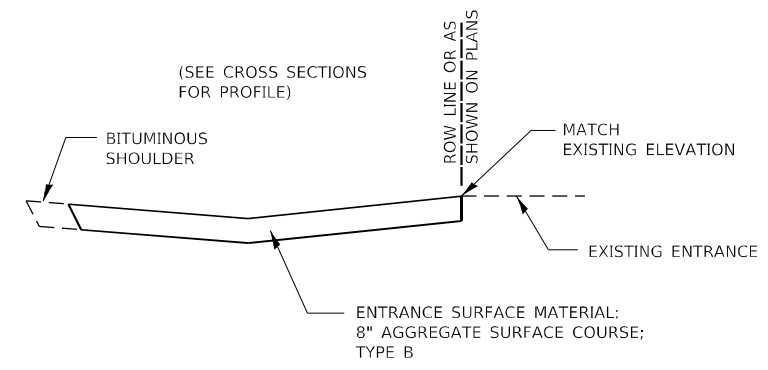
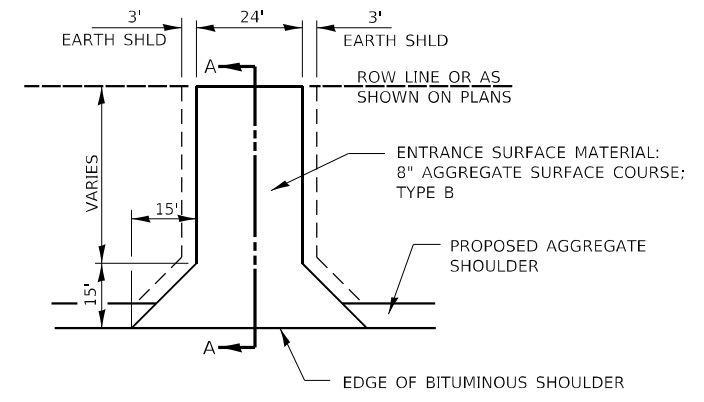
SN 046-0032 EXISTING STRUCTURE PLANS
FOR INFORMATION ONLY
SCALE: NA SHEET NO. 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	85
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

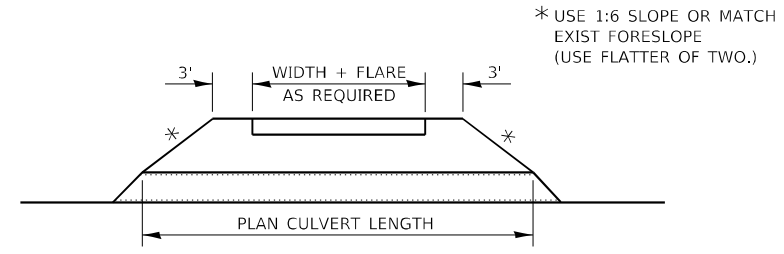


DETAILS OF SILT FENCE

**EROSION CONTROL DETAILS
FOR SILT FENCE**



SECTION A-A



FIELD ENTRANCE DETAIL

280-1

402-1

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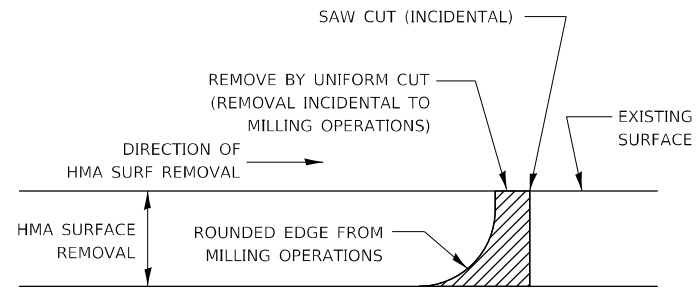


USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS			
SCALE: NONE	SHEET NO. 1 OF 4	SHEETS	STA. TO STA.

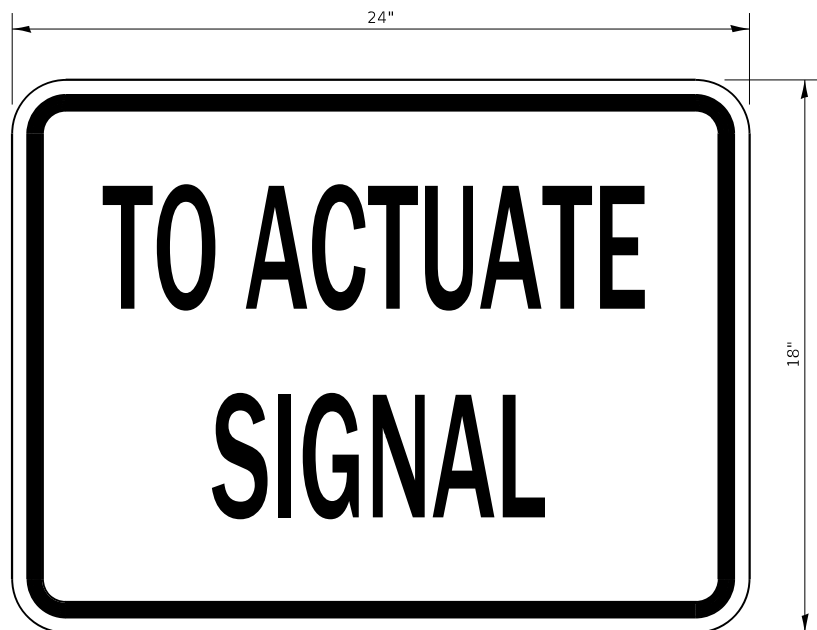
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	86
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



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

406-8



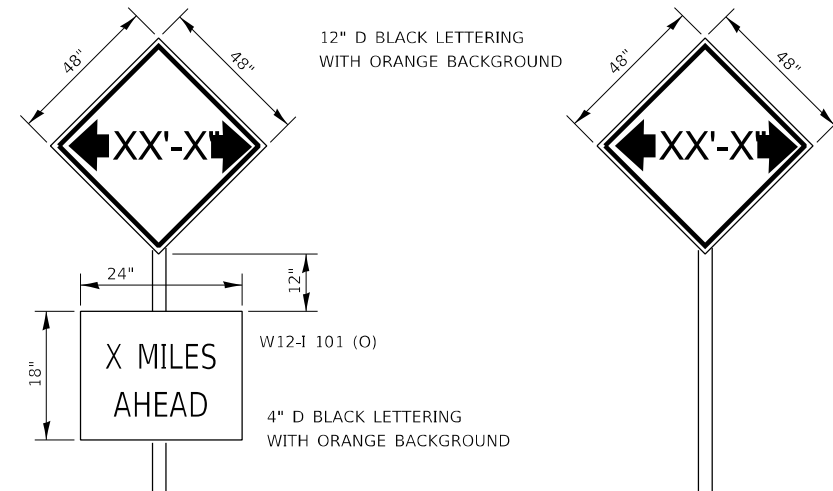
SIZE: 24" x 18"
 4" CAPITAL LETTERS - BLACK
 1/2" BORDER - BLACK
 WHITE REFLECTIVE - TYPE B
 ENGINEERING GRADE SHEETING

GENERAL NOTE:

THIS SIGN SHALL BE INSTALLED AT THE
 STOP LINE AS DIRECTED BY THE ENGINEER.

STOP LINE SIGN FOR TEMPORARY SIGNALS

720-4

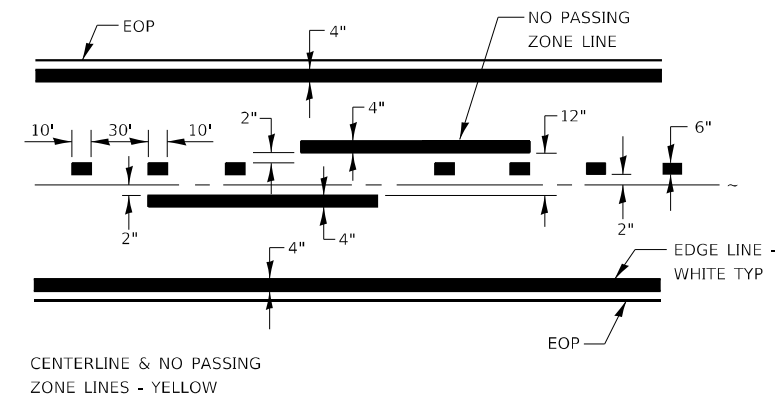


TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS
 SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS

701-6



PAVEMENT MARKING

780-8

MODEL_PLOT
 FILE_NAME: Y:\PROJECTS\1352-02_66F88\CADD\Highway\CADD_Sheets\1352-02_66F88-shs-detail02.dgn



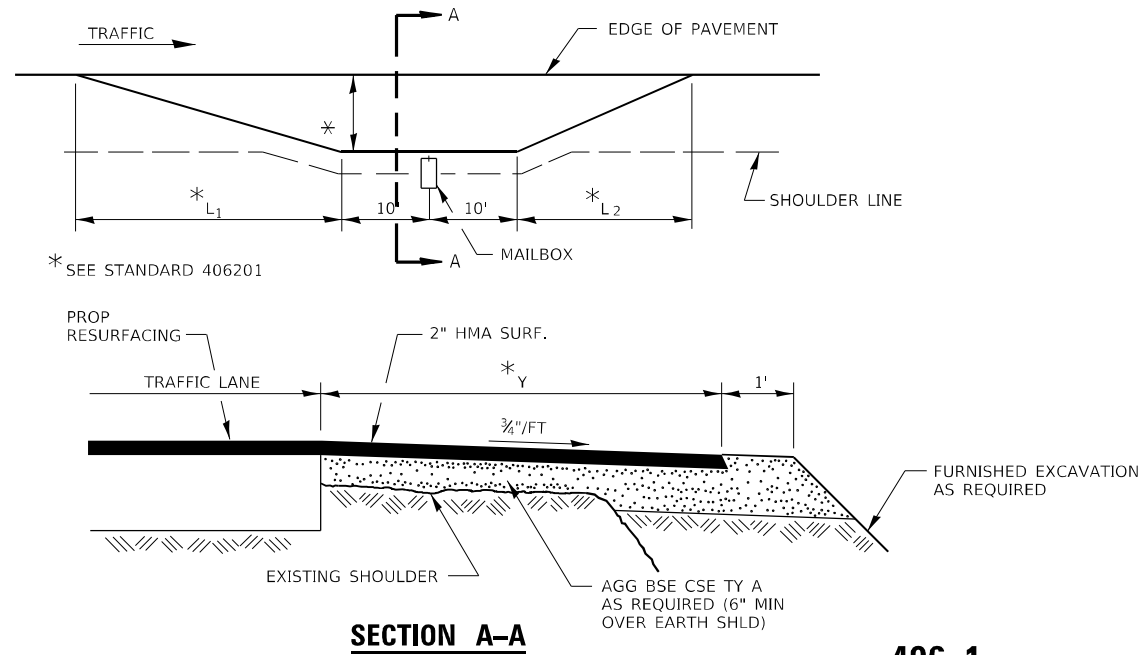
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ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/4/2021	DATE - 03/21	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

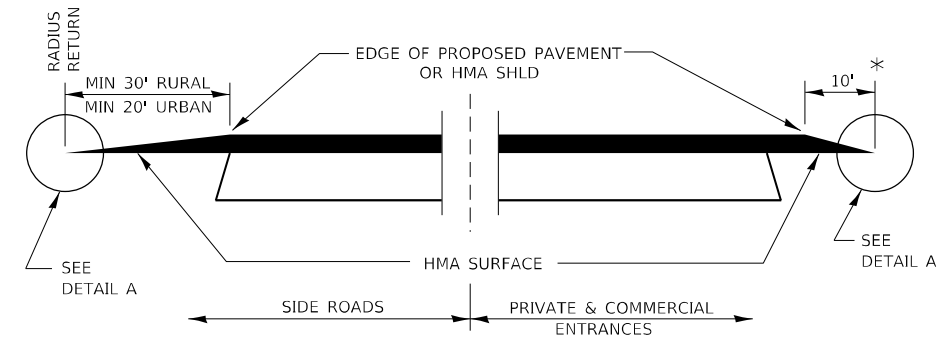
DETAILS

SCALE: NONE SHEET NO. 2 OF 4 SHEETS STA. TO STA.

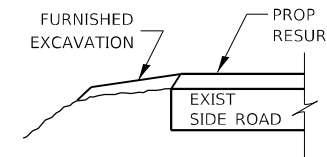
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	87
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



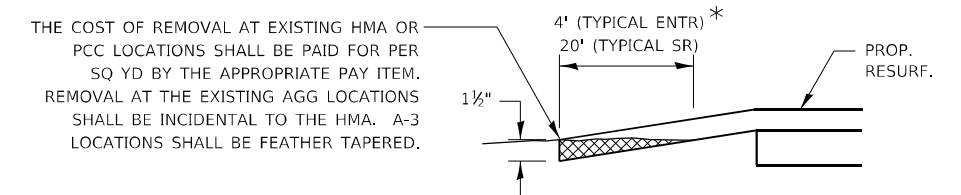
SECTION A-A
RURAL MAILBOX TURNOUT DETAILS
406-1



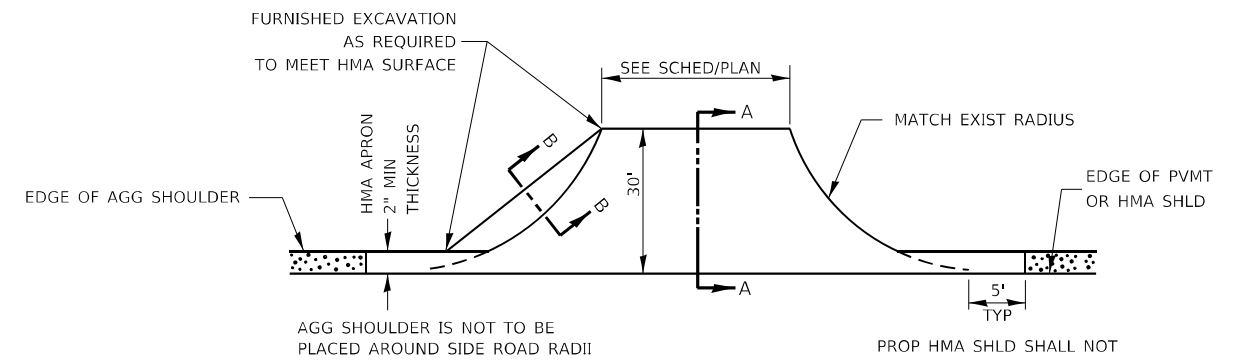
SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS



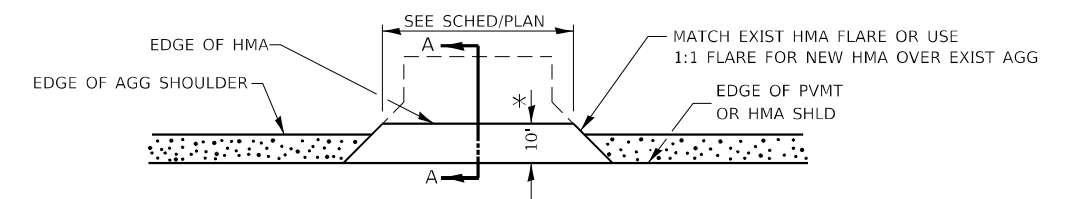
SECTION B-B



DETAIL A



PLAN AT SIDE ROADS



PLAN AT PRIVATE & COMMERCIAL ENTRANCES

* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

406-2

MODEL_PLOT
 FILE_NAME: Y:\PROJECTS\1352-02_66F88\CADD\Highway\CADD_Sheets\1352-02_66F88-shs-detail02.dgn



USER NAME = kah
 ESCA PROJECT NO. 1352.02
 PLOT SCALE = 0.1667' / in.
 PLOT DATE = 3/4/2021

DESIGNED - SMA
 DRAWN - SMA
 CHECKED - RDP/SKM
 DATE - 03/21

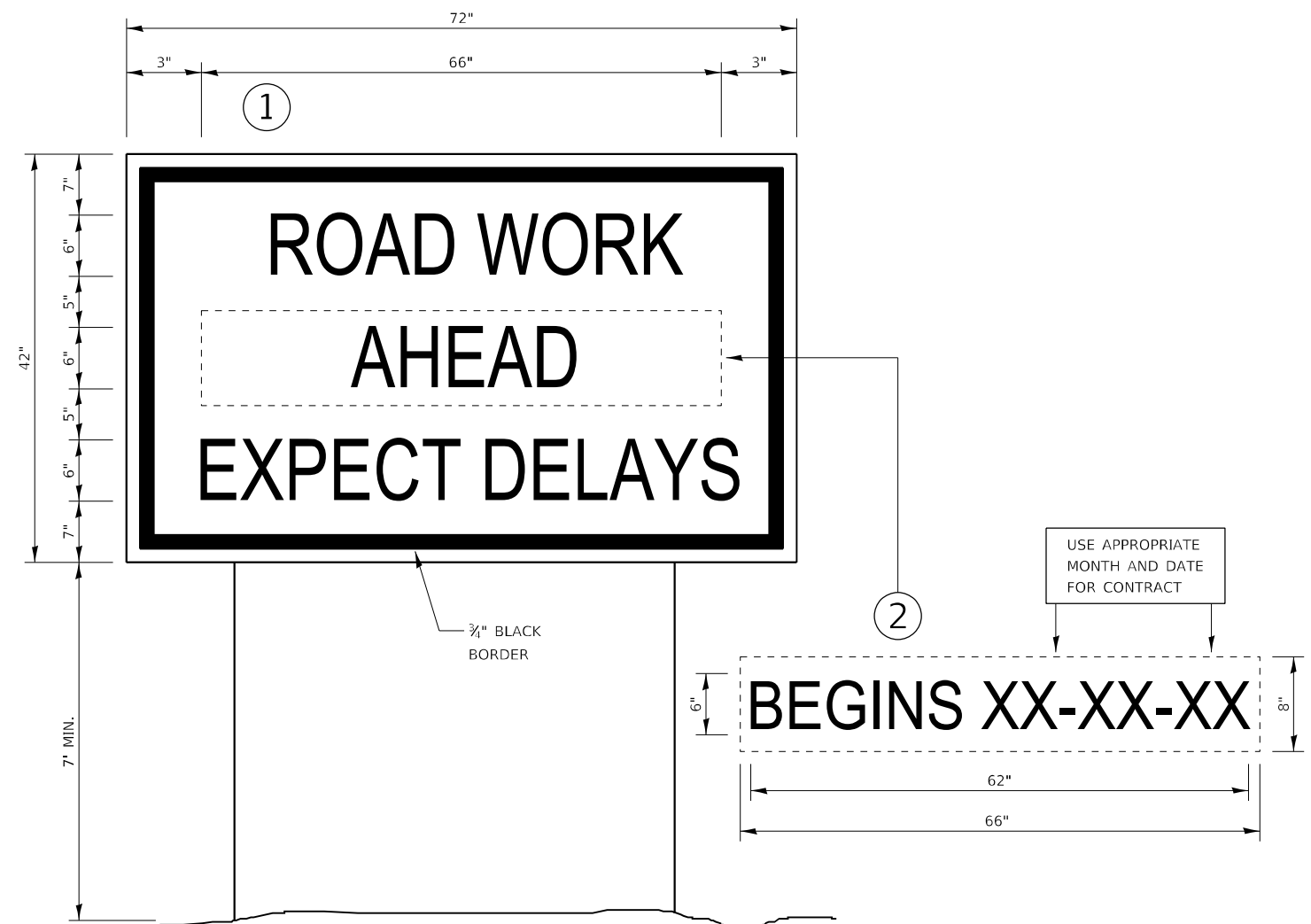
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: NONE SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	88
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-8

MODEL_PLOT
FILE_NAME: Y:\PROJECTS\1352-02_66F88\CDM\Highway\CADD_Sheets\1352-02_66F88-shs-detail04.dgn



USER NAME = kah	DESIGNED - SMA	REVISED -
ESCA PROJECT NO. 1352.02	DRAWN - SMA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - RDP/SKM	REVISED -
PLOT DATE = 3/1/2021	DATE - 03/21	REVISED -

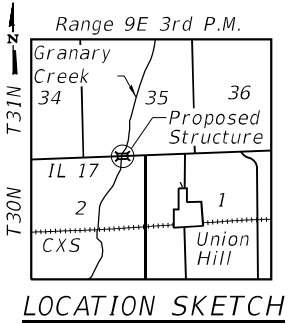
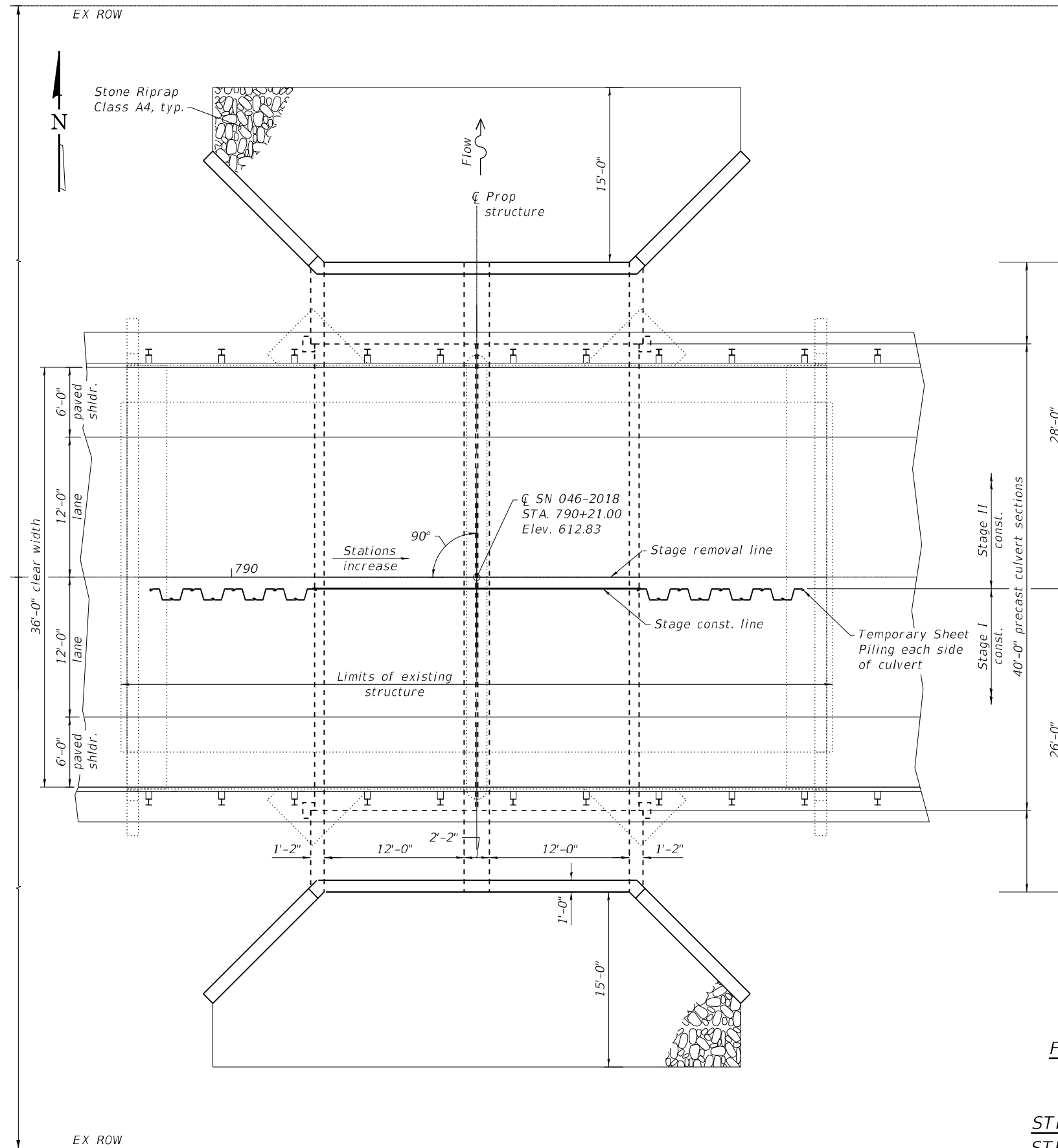
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS

SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	89
			CONTRACT NO. 66F88	
ILLINOIS FED. AID PROJECT				

EXHIBIT



GENERAL PLAN
IL 17 OVER GRANARY CREEK
FAP ROUTE 41 - SECTION 13BR-1
KANKAKEE COUNTY
STATION 790+21 IL 17
STRUCTURE NO. 046-0030 (EXISTING)
STRUCTURE NO. 046-2018 (PROPOSED)

Not to Scale

PLAN

MODEL: PLOT
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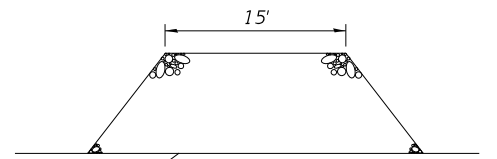
USER NAME = kah	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

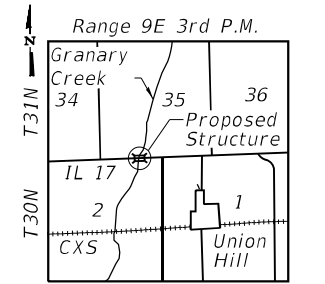
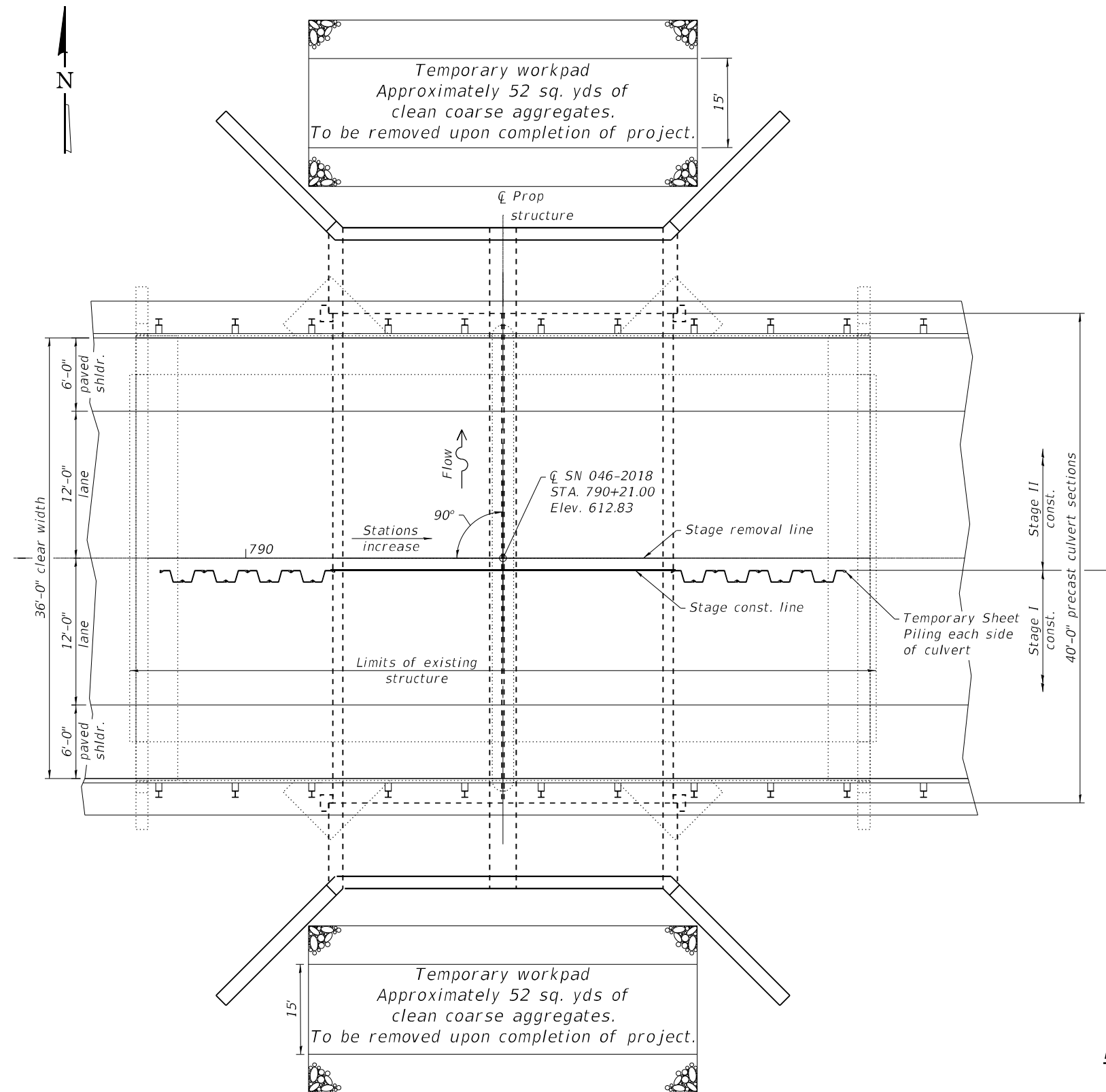
WORK PAD PLAN			
STRUCTURE NO. 046-2018			
SCALE: 1"=60'	SHEET NO. 1 OF 2	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	90
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

EXHIBIT



Section thru work pad
To be removed upon completion of project.



LOCATION SKETCH

Not to Scale

PLAN

GENERAL PLAN
IL 17 OVER GRANARY CREEK
FAP ROUTE 41 - SECTION 13BR-1
KANKAKEE COUNTY
STATION 790+21 IL 17
STRUCTURE NO. 046-0030 (EXISTING)
STRUCTURE NO. 046-2018 (PROPOSED)

MODEL: PLOT
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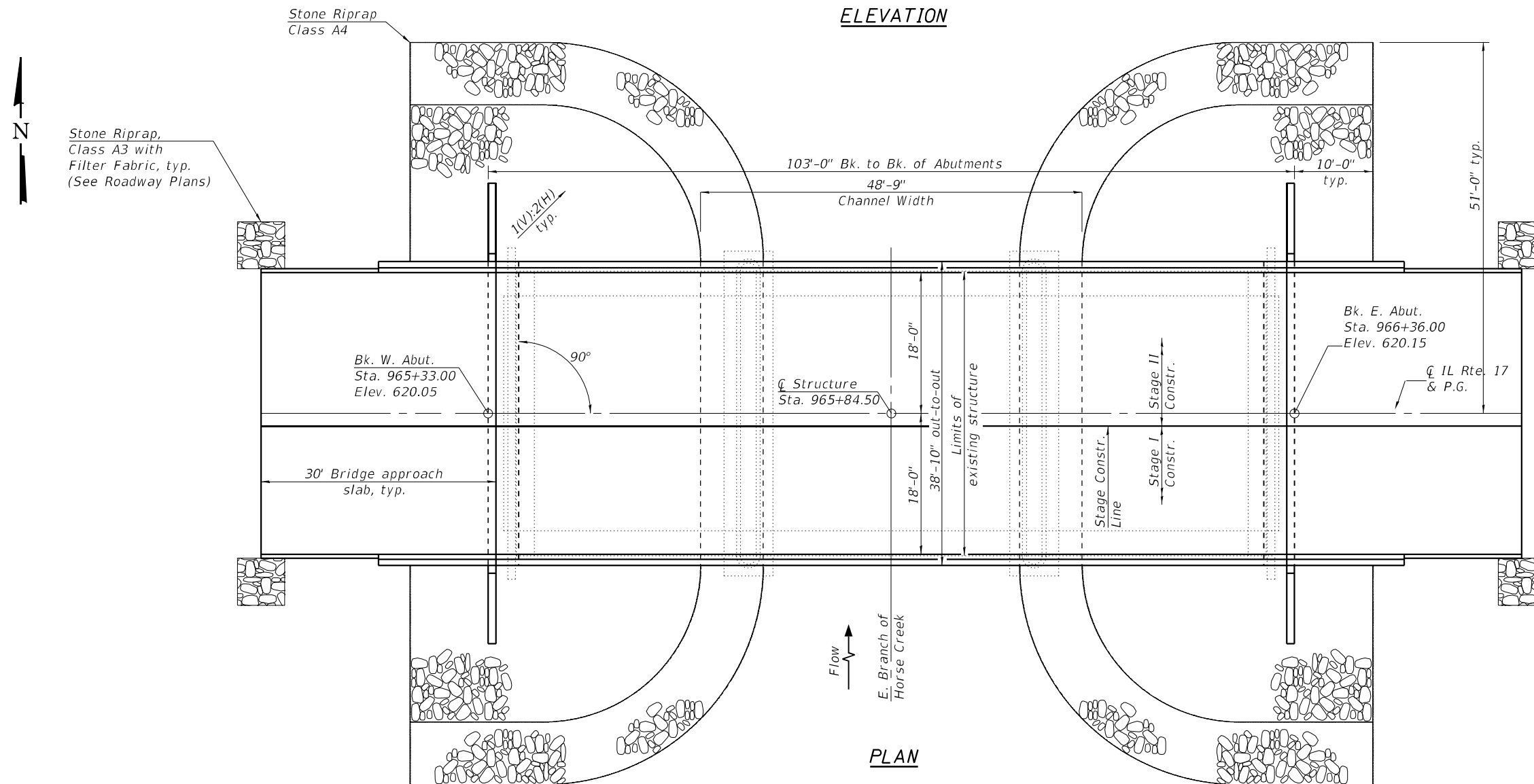
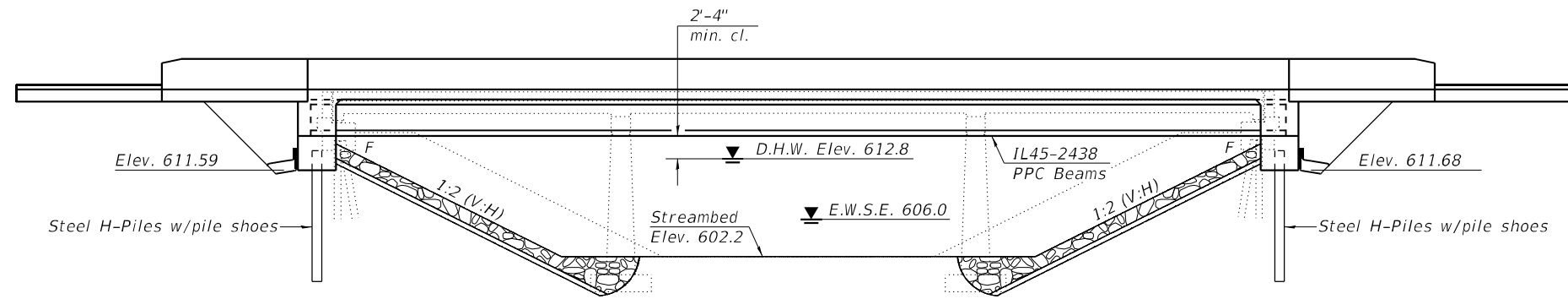
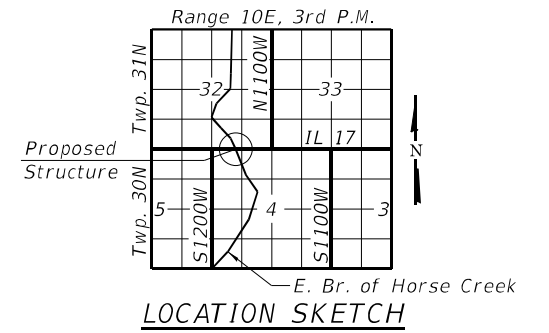
USER NAME = kah	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 3/1/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WORK PAD PLAN	
STRUCTURE NO. 046-2018	
SCALE: NA	SHEET NO. 2 OF 2 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	91
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

Exhibit



No to Scale

**GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 17 OVER
EAST BRANCH OF HORSE CREEK
F.A.P. RTE. 41 - SEC. (12)BR
KANKAKEE COUNTY
STATION 965+84.50
EXISTING STRUCTURE NO. 046-0032
PROPOSED STRUCTURE NO. 046-0161**

MODEL_PLOT
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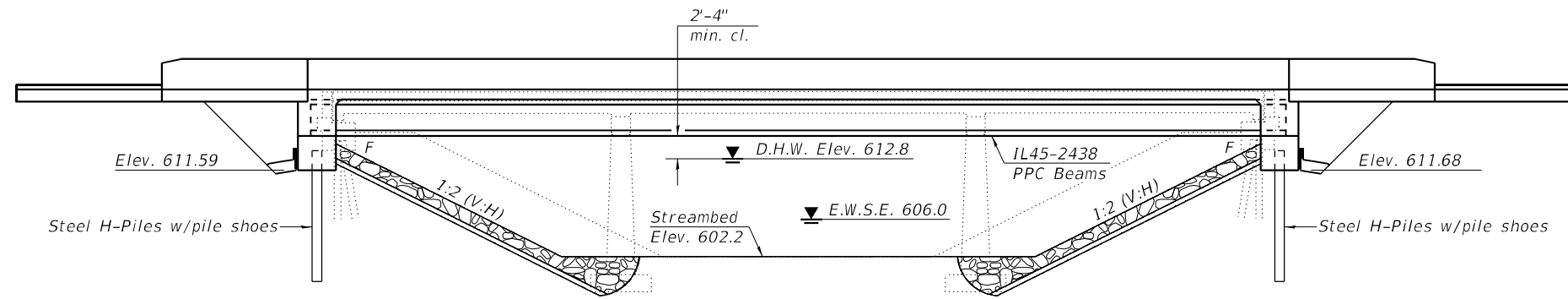
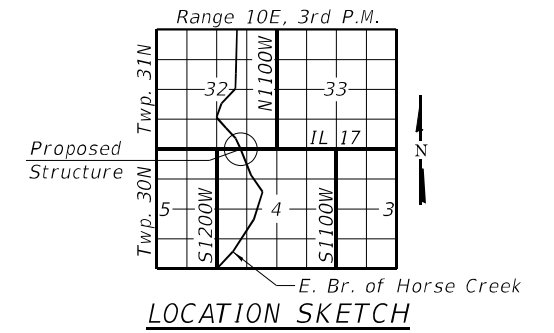
USER NAME = kah	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

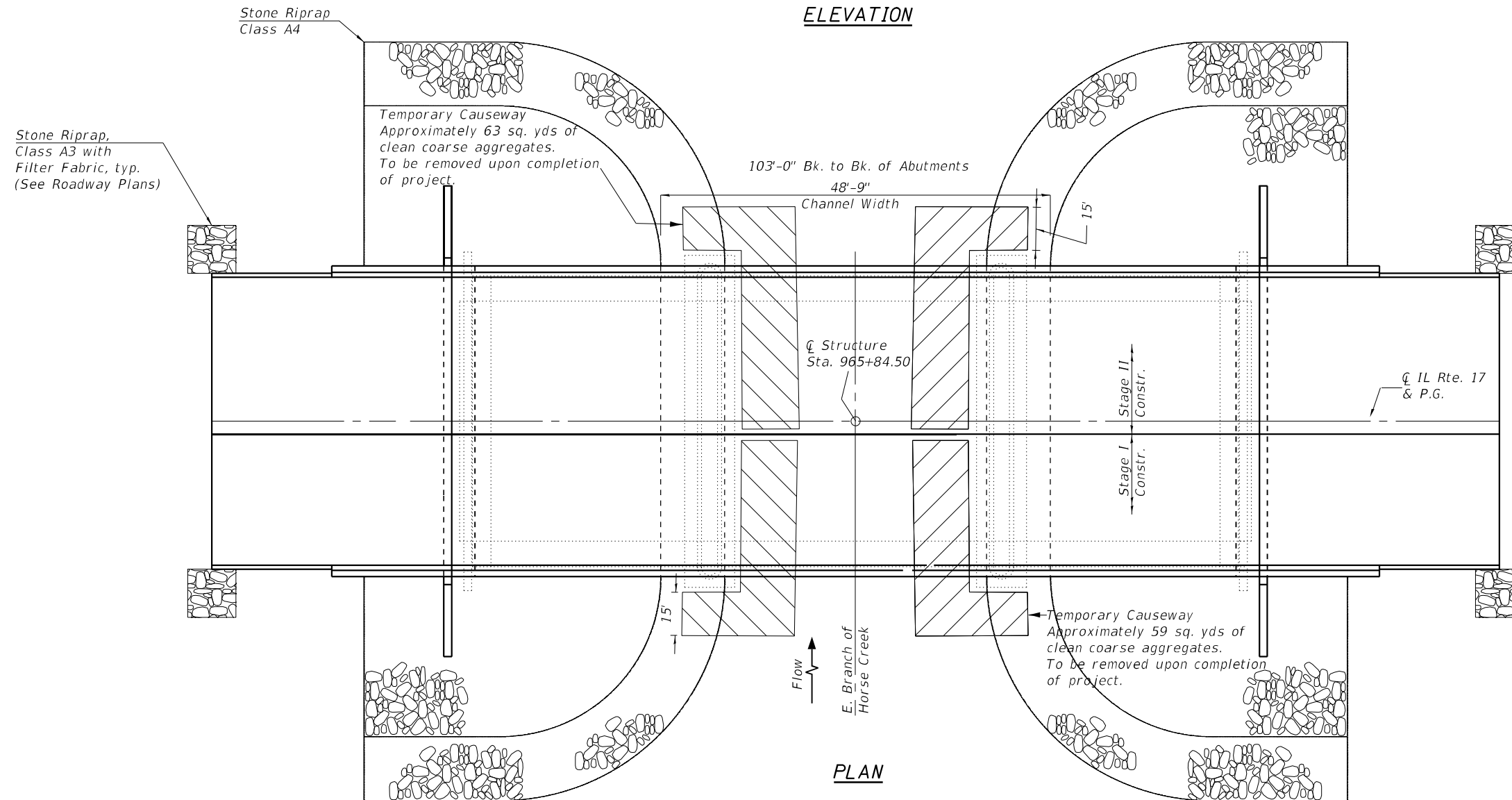
WORK PAD / CAUSEWAY PLAN STRUCTURE NO. 046-0161			
SCALE: NA	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1; (12)BR	KANKAKEE	103	92
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

Exhibit



ELEVATION



PLAN

No to Scale

**GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 17 OVER
EAST BRANCH OF HORSE CREEK
F.A.P. RTE. 41 - SEC. (12)BR
KANKAKEE COUNTY
STATION 965+84.50
EXISTING STRUCTURE NO. 046-0032
PROPOSED STRUCTURE NO. 046-0161**

MODEL_PLOT
FILE_NAME: Y:\PROJECTS\1332-02_66F88\CAADD\Highway\CAADD_Sheets\0366F88-216-misc04.dwg

USER NAME = kah	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WORK PAD / CAUSEWAY PLAN
STRUCTURE NO. 046-0161**

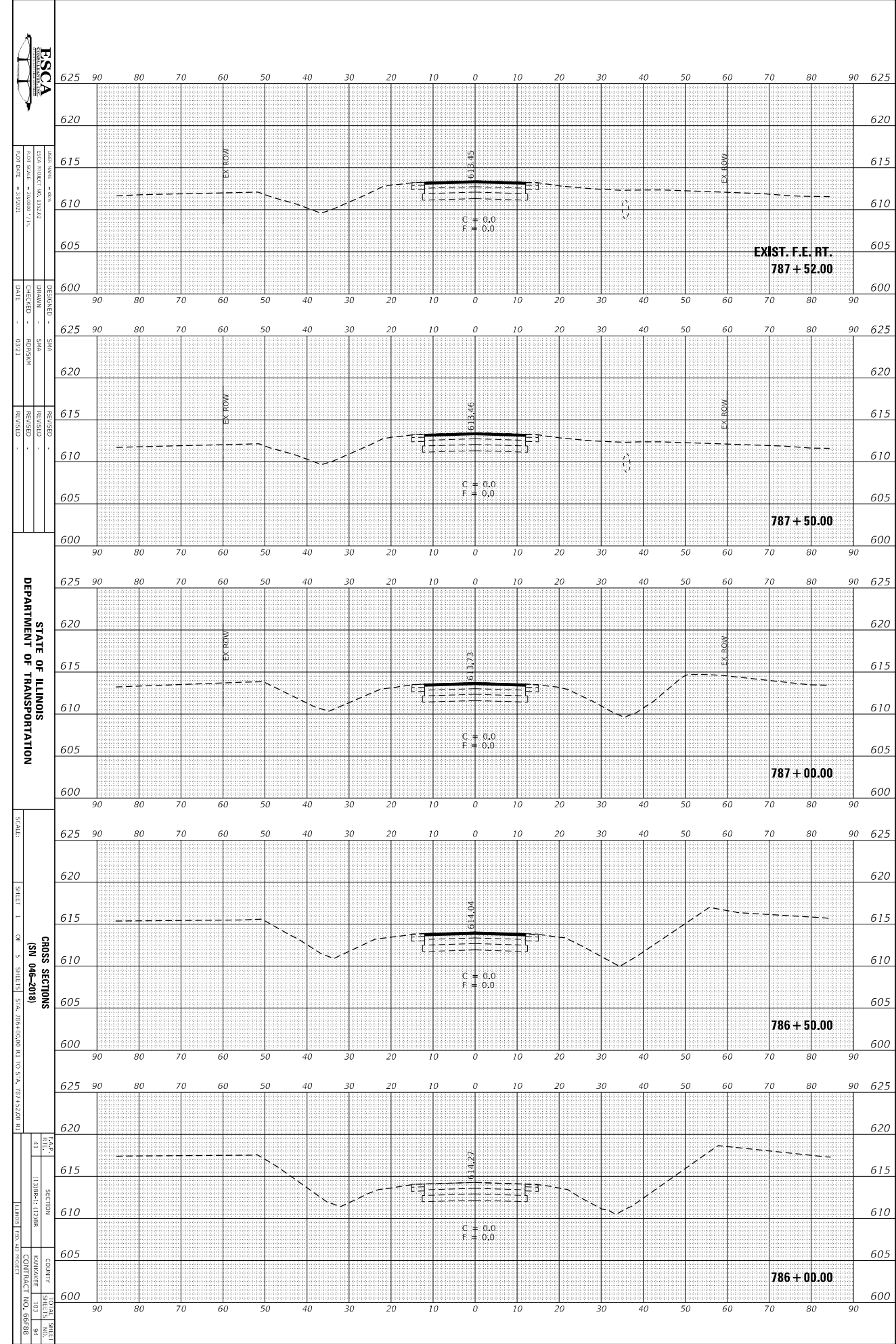
SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	(13)BR-1: (12)BR	KANKAKEE	103	93
CONTRACT NO. 66F88				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

MODEL: EXCL_7
FILE NAME: Y:\DOT\11332-02_686B-CAD\Highway\CADD Sheets\B366F88-the-sec01.dwg



DATE PLOTTED - 1/11/2011
SCALE - 1"=40'
SHEET NO. - 1
SHEET TOTAL - 5

DESIGNED - SMA
CHECKED - RDP/SKA
DATE - 02/21

REVISIONS
REVISION
REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE

SHEET 1 OF 5 SHEETS STA. 786+00.00 R/L TO STA. 787+52.00 R/L

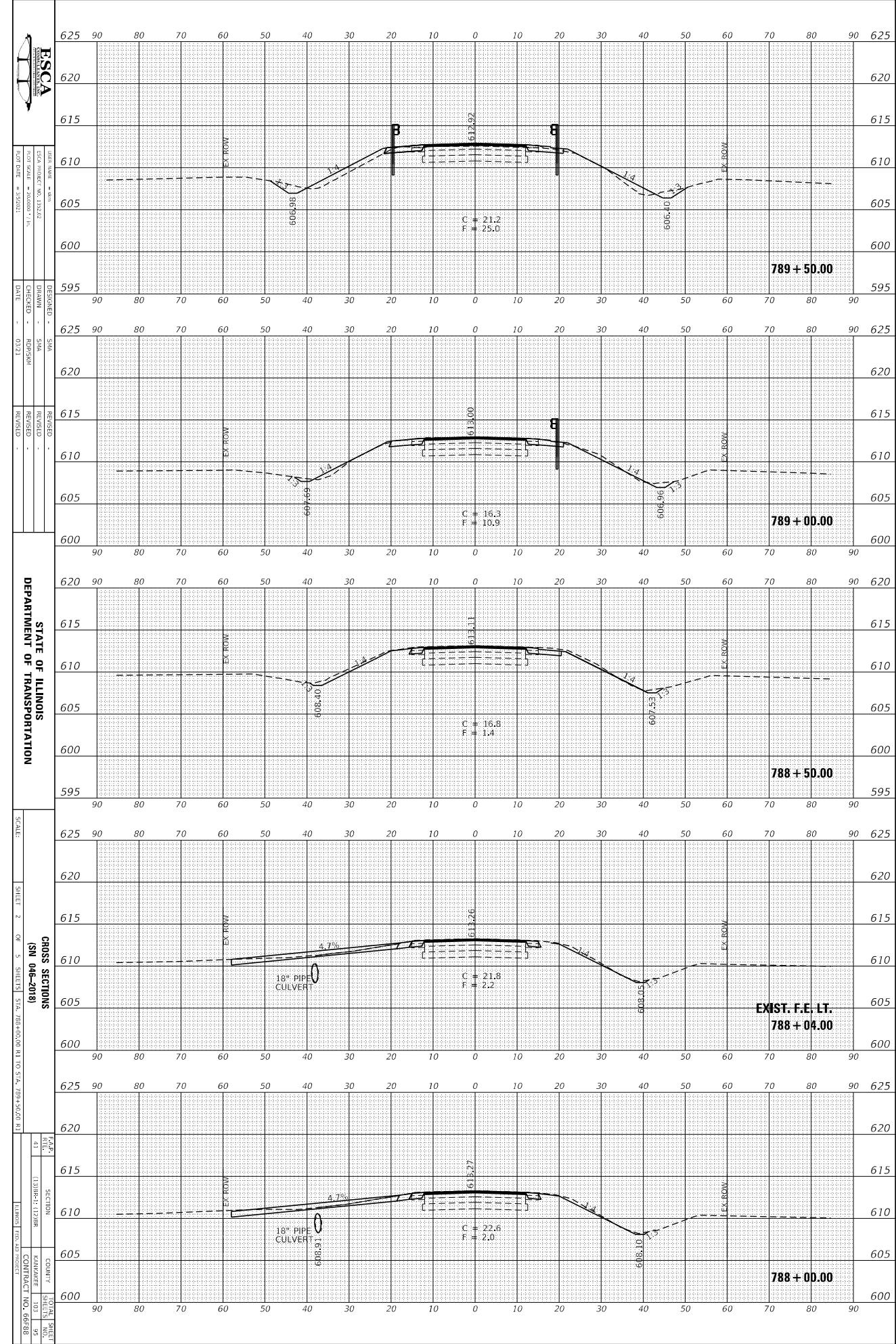
CROSS SECTIONS
(S/N 046-2010)

SECTION
113B-11-1218B
COUNTY
KANEASSEE
CONTRACT NO. 66788

ORIGINAL SURVEY	SURVEYED BY	DATE
NOTE BOOK	PLOTTED TEMPLATE	
	AREA CHECKED	

FINAL SURVEY	SURVEYED BY	DATE
NOTE BOOK	PLOTTED TEMPLATE	
	AREA CHECKED	

MODEL: EXCL_7
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ESCA PROJECT NO. 133202
 DATE: 02/21
 DESIGNED: SMA
 CHECKED: RDP/SKA
 REVISIONS:
 DEPARTMENT OF TRANSPORTATION
 STATE OF ILLINOIS
 SHEET 2 OF 5 SHEETS STA. 788+00.00 R/L TO STA. 789+50.00 R/L
 CROSS SECTIONS (SRI 046-2018)
 COUNTY: KANEASHEE
 CONTRACT NO. 666B88

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

MODEL: EXCL_7
 FILE NAME: Y:\DOT\11332-02_6R6B-CAD\Highway\CAD Sheets\B366F88-the-sec2.dwg



DATE: 11/11/11
 DESIGNED: SMA
 CHECKED: RDP/SKA
 DATE: 02/21

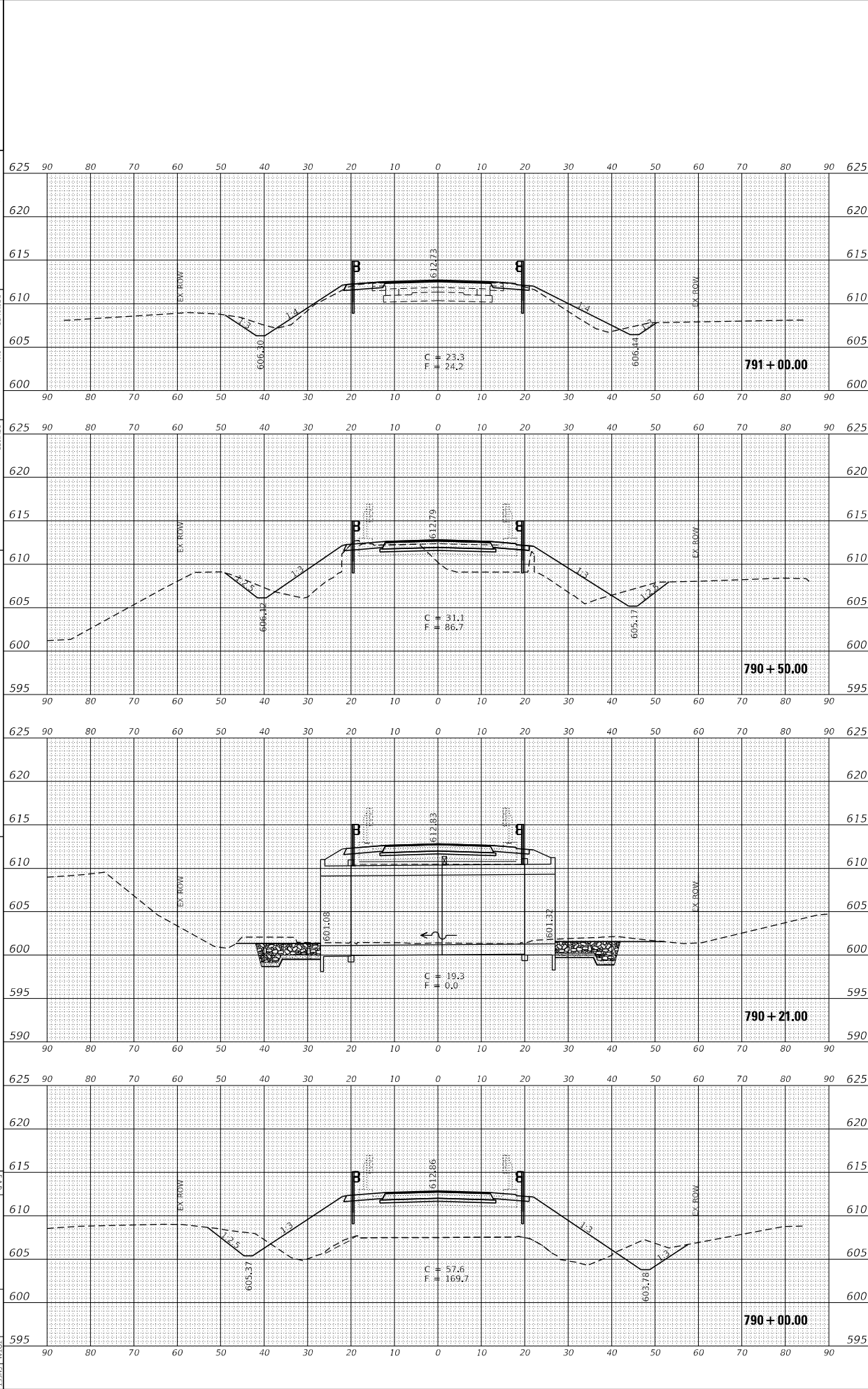
REVISIONS:
 1. 11/11/11

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:

SHEET 3 OF 5 SHEETS STA. 799+00.00 R/L TO STA. 791+00.00 R/L

CROSS SECTIONS
 (SN 046-2018)
 COUNTY: KANEAS
 CONTRACT NO. 666B8



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

MODEL: EXCL_7
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DATE PLOTTED - 1/11/2011
 PLOT SCALE - 1"=40'
 PLOT DATE - 1/11/2011

DESIGNED - SNA
 DRAWN - SNA
 CHECKED - RDP/SNA
 DATE - 07/21

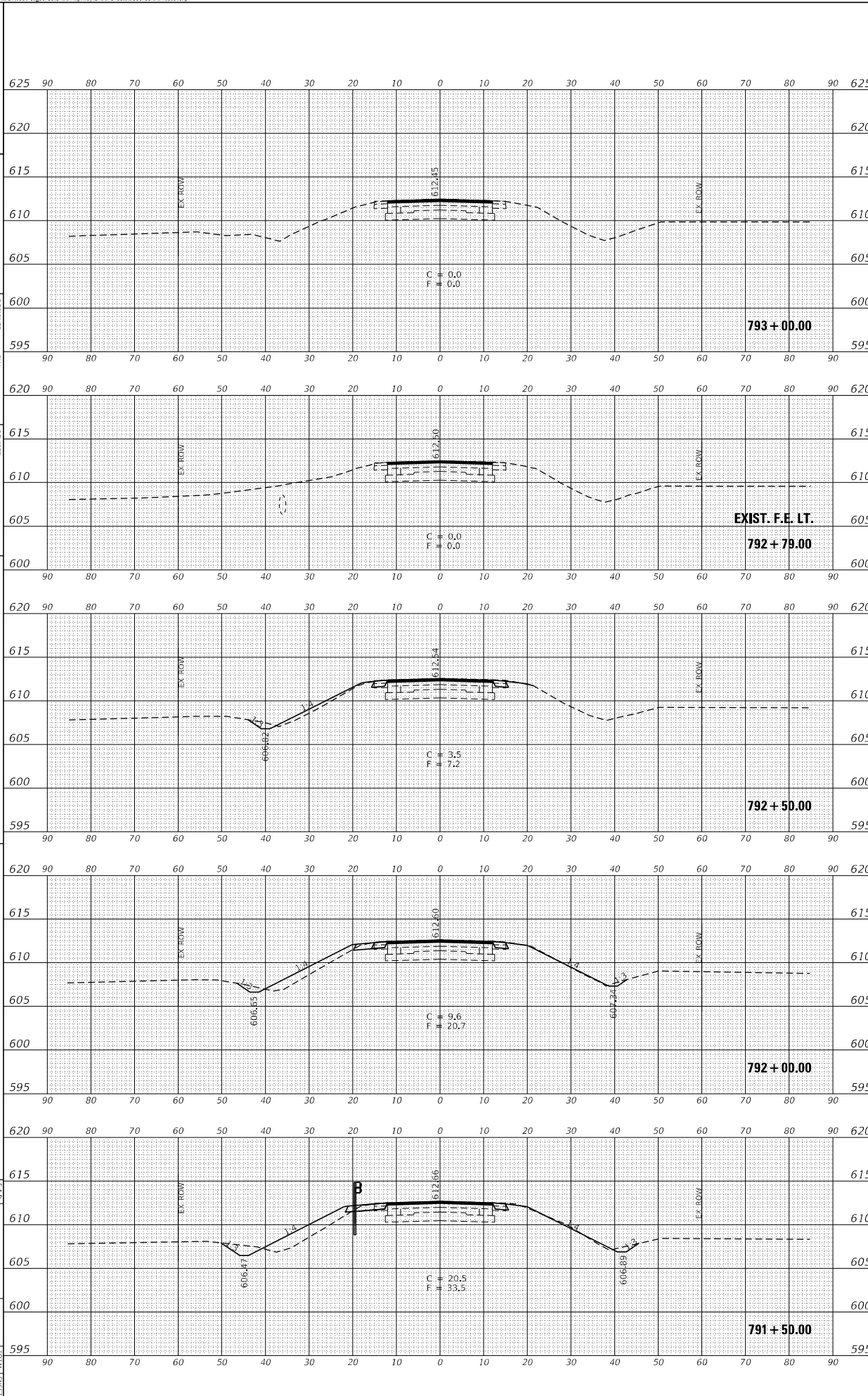
REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE

SHEET 4 OF 5
 CROSS SECTIONS
 (SRI 046-2018)

SECTION
 COUNTY
 CONTRACT NO. 66688



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA		
	AREAS CHECKED		

MODEL: EXCL_7
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DATE PLOTTED = 8/1/01
ESCA PROJECT NO. 1332-02
SHEET NO. 08 OF 10
SHEET DATE = 8/1/01

DESIGNED BY SMA
DRAWN BY SMA
CHECKED BY RJP/SJK
DATE = 07/21

REVISIONS
REVISION
REVISION
REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

SHEET 5

OF 5 SHEETS

STA. 793+50.00 R/L TO STA. 794+50.00 R/L

CROSS SECTIONS
(SHEET 08-208)

SECTION

133B-1127B

CONTRACT NO. 666B

COUNTY

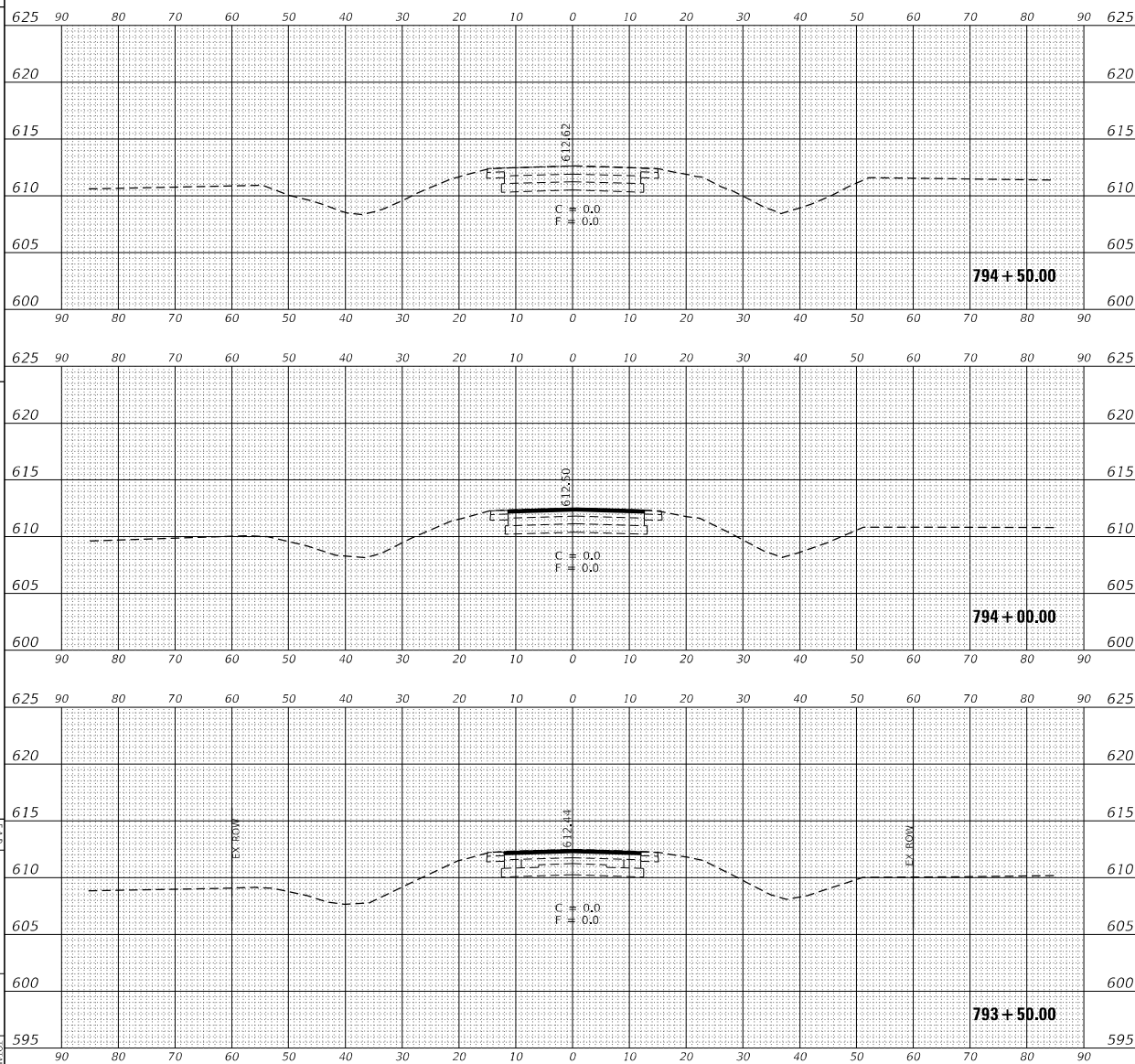
KANKAKEE

SHEET NO.

08 OF 10

DATE

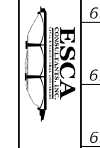
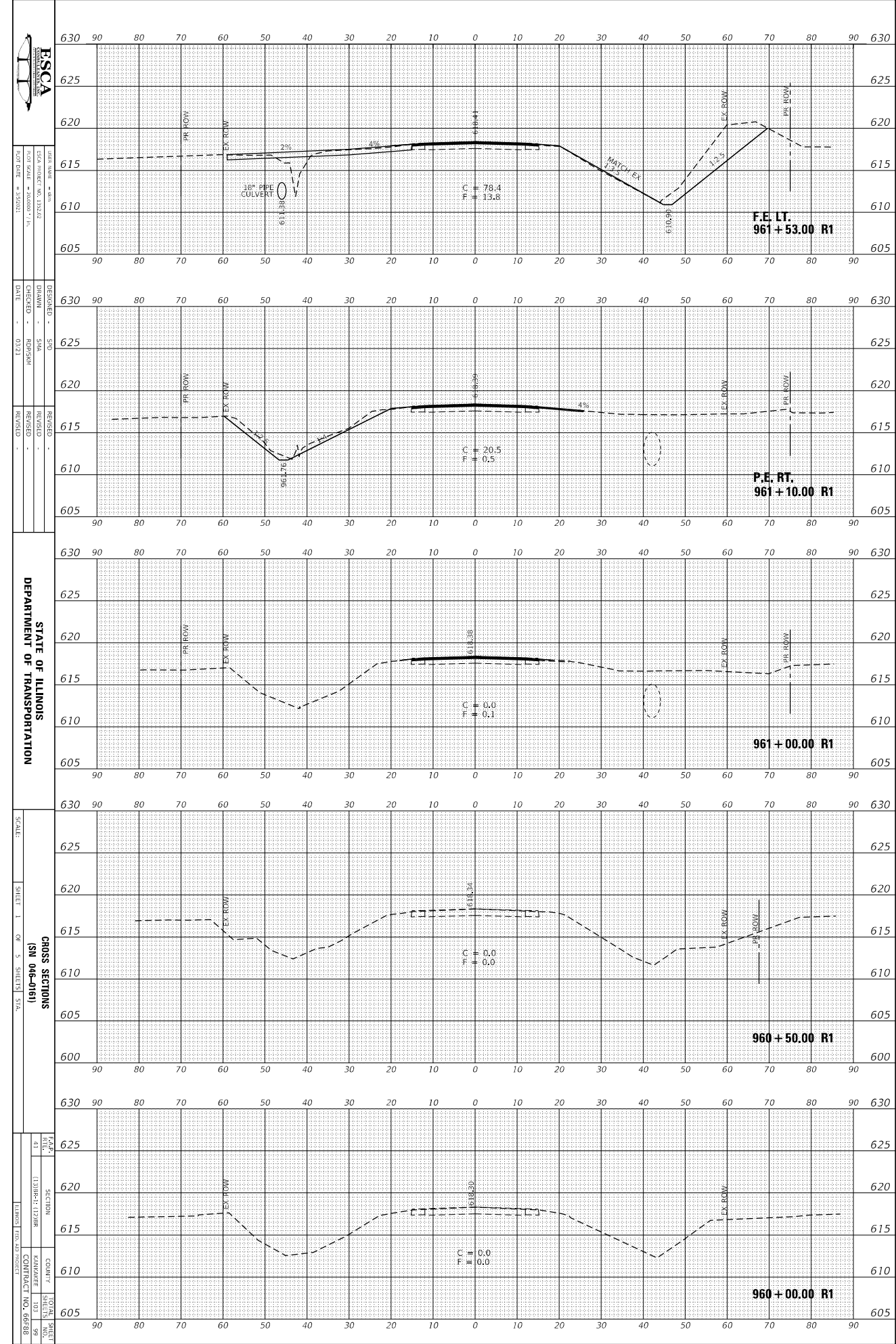
8/1/01



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

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

MODEL: R317C
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DATE: 02/21/2021
 DESIGNED BY: SMO
 DRAWN BY: SNA
 CHECKED BY: RDP/SNA
 DATE: 02/21

DESIGNED BY: SMO
 DRAWN BY: SNA
 CHECKED BY: RDP/SNA
 DATE: 02/21

REVISIONS:
 REVISION NO. DATE BY

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 1 OF 5 SHEETS STA.
 CROSS SECTIONS
 (SRI 046-0161)

SECTION: 113B61-1228B
 COUNTY: KANEAS
 TOTAL SHEETS: 99
 CONTRACT NO.: 666B

ORIGINAL SURVEY	DATE	BY	SHEET

FINAL SURVEY	DATE	BY	SHEET

MODEL: R317C
FILE NAME: Y:\DOT\1133-20_666B-CAD\Highway\CADD Sheets\B366F08-the-sec07.dwg



DATE: 11/11/2011
SCALE: 1"=40'
SHEET: 2 OF 5 SHEETS STA. 962+00.00 TO 964+00.00

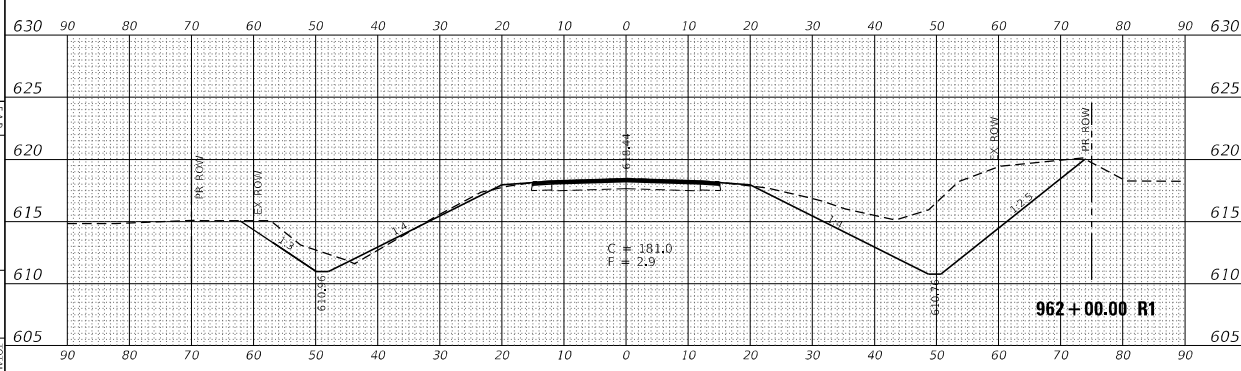
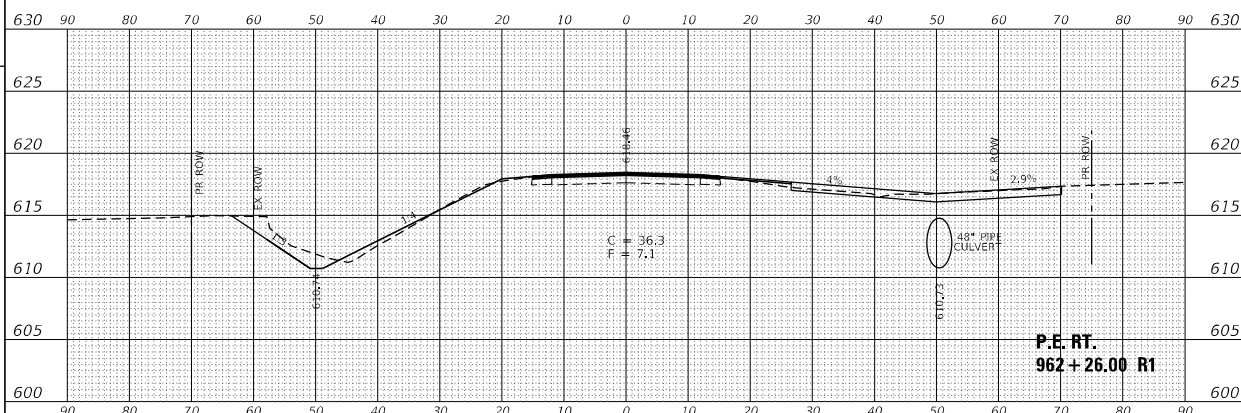
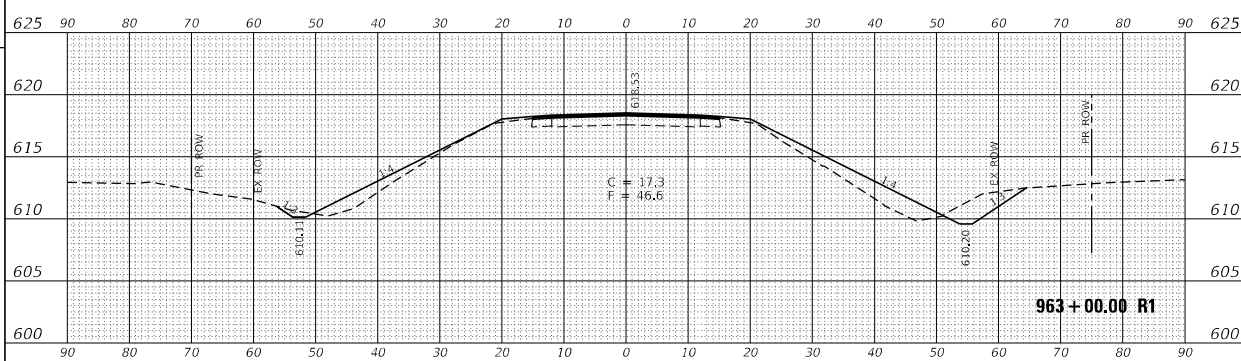
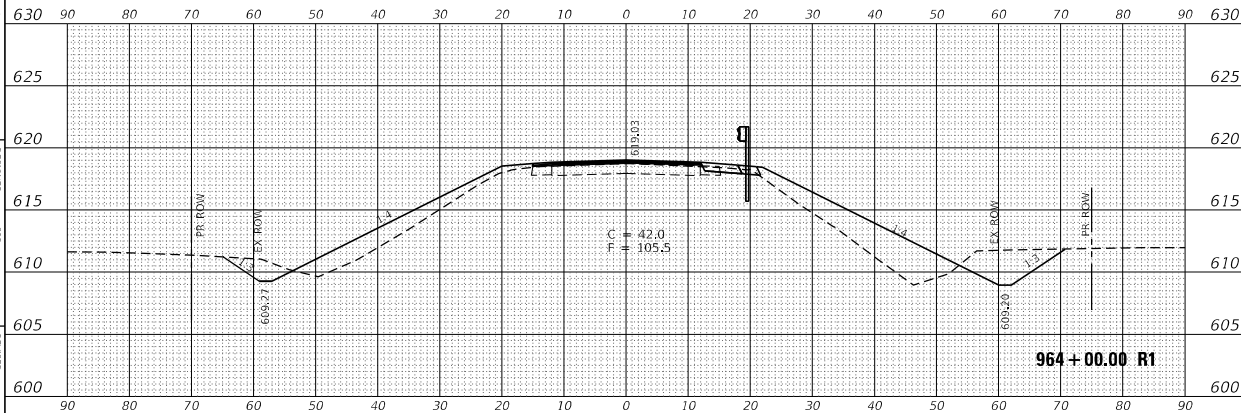
DESIGNED: SMO
DRAWN: SJA
CHECKED: RDP/SMK
DATE: 02/21

REVISIONS:
REVISION NO. DATE BY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
(SHEET 046-0161)
SCALE: SHEET 2 OF 5 SHEETS STA.

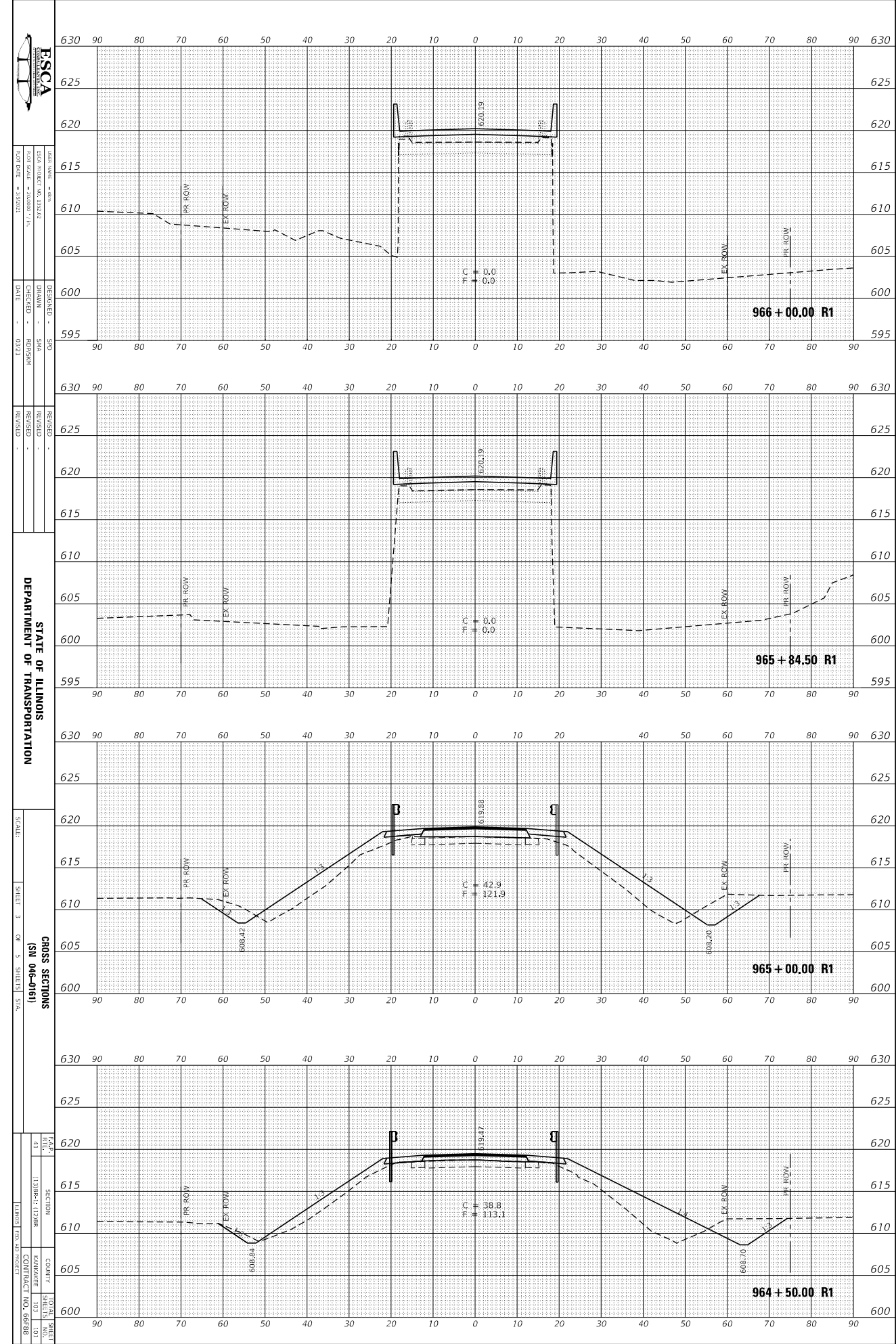
SECTION: 113B(1)-12(2)BR
COUNTY: KANEASHEE
CONTRACT NO.: 666B



ORIGINAL SURVEY	DATE	BY	SHEET

FINAL SURVEY	DATE	BY	SHEET

MODEL: R17C_2
FILE NAME: Y:\DOT\11332-02_6R6B\CADD\Highway\CADD Sheets\B366F08-dm-sec03.dwg



DATE: 11/11/2011
SCALE: 1"=40'
SHEET: 3 OF 5 SHEETS

DESIGNED BY: SMO
DRAWN BY: SIA
CHECKED BY: RDP/SJK
DATE: 07/21

REVISIONS:
REVISION NO. DESCRIPTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
(SRU 046-0161)

PROJECT: I-174/174B
SECTION: I-174/174B
COUNTY: KANEASSEE
CONTRACT NO.: 66B/88

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

MODEL: R317C
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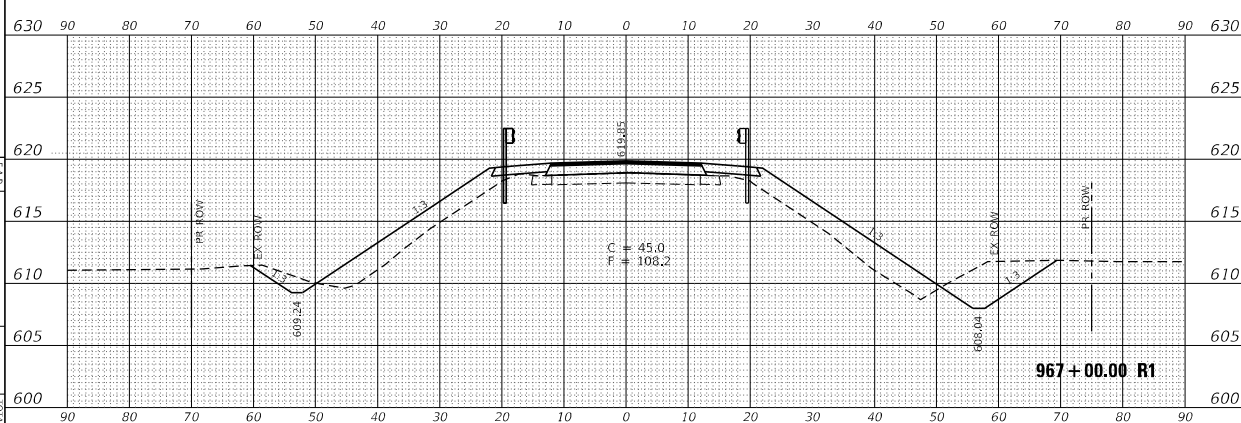
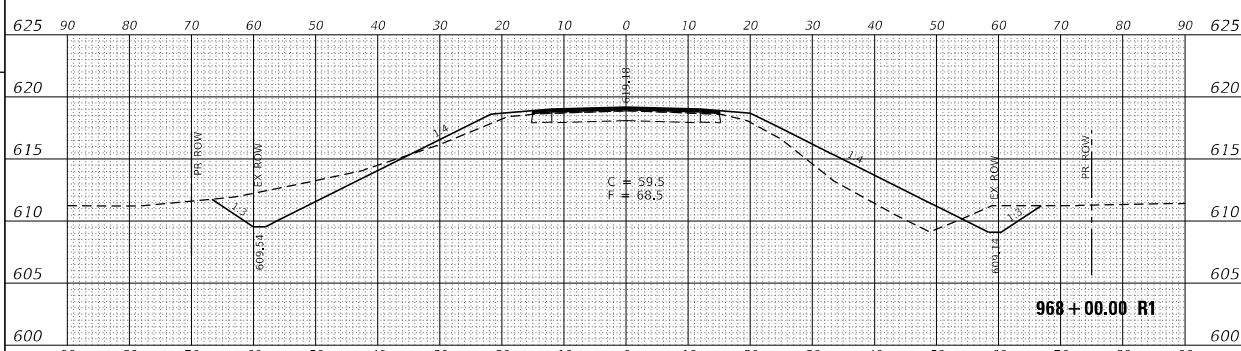
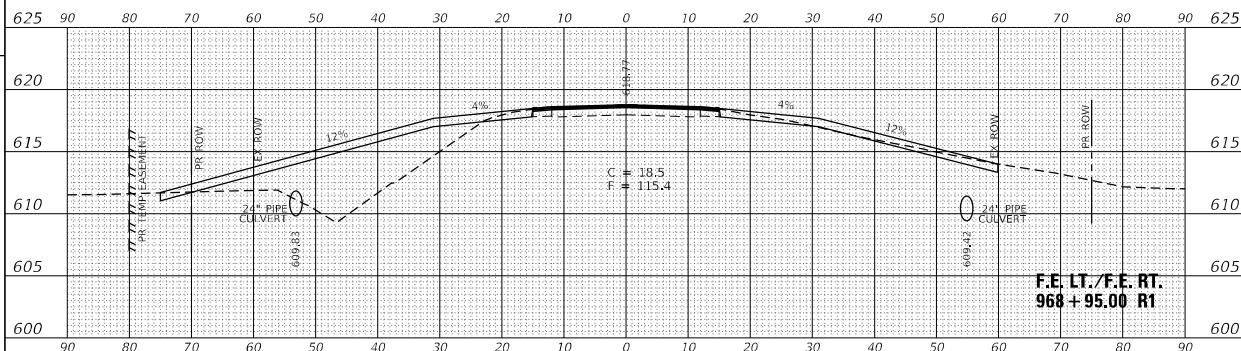
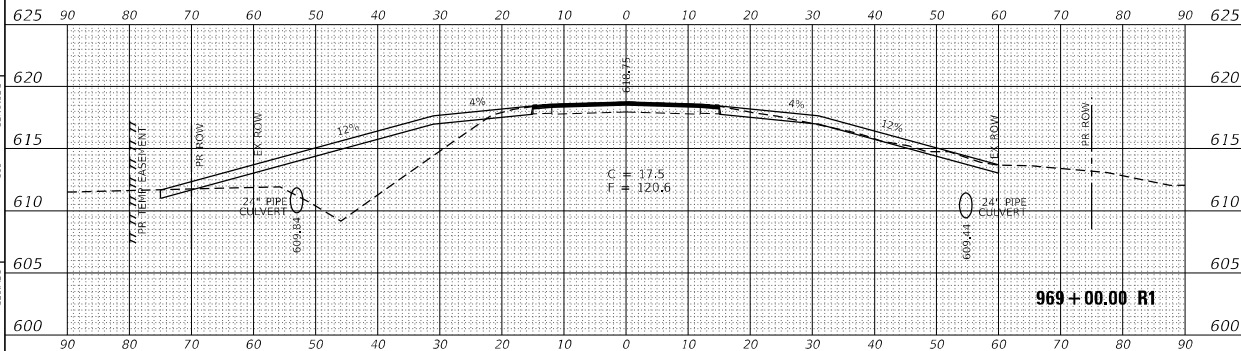


DATE PLOTTED	DATE
DESIGNED	BY
CHECKED	BY
DATE	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE	SHEET	OF	SHEETS
	4	OF	5

SECTION	COUNTY	SHEET
113B(1)-12(2)B	KANEASSEE	103
ILLINOIS (EX. 40 PROJECT)	CONTRACT NO.	66688



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

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

MODEL: R17C
FILE NAME: Y:\DOT\11332-02_666B\CADD\Highway\CADD Sheets\0366B\03-06-08\0366B.dwg



DATE PLOTTED = 04/01/08
SCALE = 1"=40'
SHEET NO. = 0366B
SHEET TOTAL = 0366B

DESIGNED BY: SMO
DRAWN BY: SIA
CHECKED BY: RDP/SJK
DATE: 02/21

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=40'
SHEET 3 OF 5 SHEETS STA. CROSS SECTIONS (SRN 046-0161)

SECTION: 113B(1)-127BR
COUNTY: KANEASHEE
CONTRACT NO.: 666B

