

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	1
		ILLINOIS	CONTRACT NO. 78151	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP 776 (IL ROUTE 142)
SECTION 124B-2
PROJECT STP - IU11 (231)
BRIDGE REPLACEMENT OVER INDIAN CREEK
SALINE COUNTY
C-99-005-10

FOR INDEX OF SHEETS SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES SEE SHEET NO. 4-8

DESIGN DESIGNATION: N/A

COORDINATE SYSTEM: ILLINOIS COORDINATE SYSTEM,
EAST ZONE

POSTED SPEED: 55 MPH

TRAFFIC DATA

FAP 776 (IL 142)

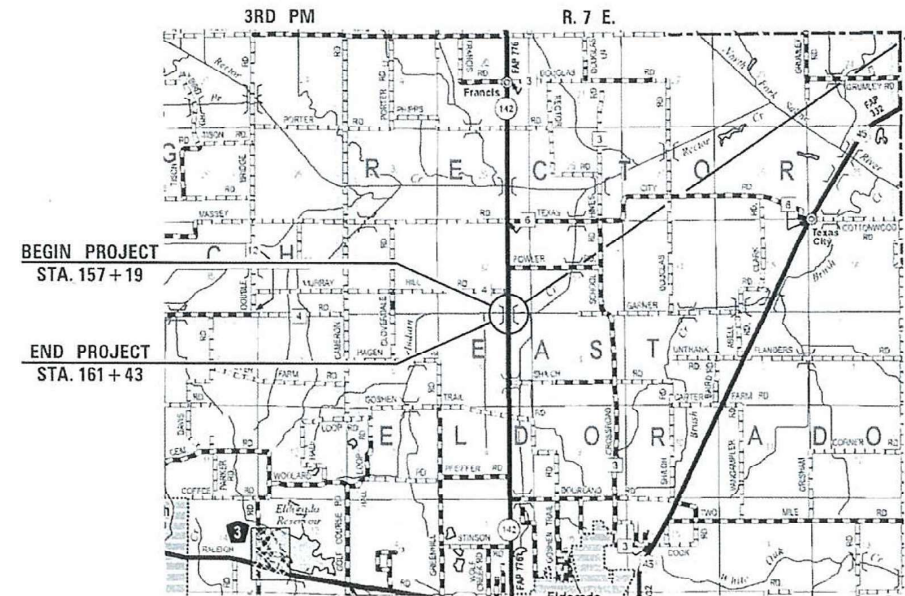
EXISTING ADT = 2050 (2017)

%SU = 325 (6.07%)

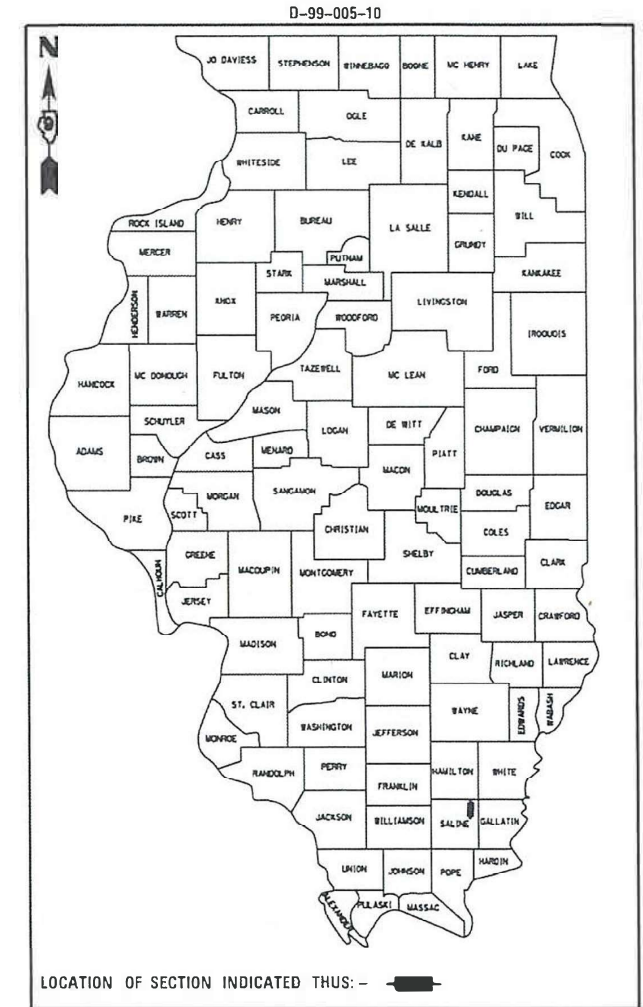
%MU = 450 (8.41%)

RECTOR AND ELDORADO TOWNSHIPS

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL (NON-URBAN)



EXISTING SN 083-0032
STRUCTURE STA. 159 + 30.52
PROPOSED SN 083-0071
STRUCTURE STA. 159 + 30.52
IL 142 OVER INDIAN CREEK
SINGLE SPAN W27 BEAMS
67'-4" BK. TO BK. INTEGRAL ABUTMENTS
34'-10" OUT TO OUT DECK, 0° SKEW



**LOCATION MAP
(NOT TO SCALE)**

GROSS LENGTH = 424.00 FT. = 0.080 MILE
NET LENGTH = 424.00 FT. = 0.080 MILE



Christopher P. Kohlman 9/16/20
EXPIRATION: 11/30/2021

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

PROJECT ENGINEER: GRANT DETERDING

CONTRACT NO. 78151



Veenstra & Kimm, Inc.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10-07-2020
KR

REGION FIVE ENGINEER

March 19, 2021 *[Signature]*
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2021 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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MODELS: \PROGRAMS\ARCS
FILE NAME: ETELLS



Veenstra & Kimm, Inc.
Springfield, IL Phone: (217)544-8033

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	2
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				

PREPARED BY: Charles Stein
DISTRICT STUDIES AND PLANS ENGINEER

EXAMINED BY: Nanigster
DISTRICT LAND ACQUISITION ENGINEER

EXAMINED BY: Connie Hicks
DISTRICT PROGRAM DEVELOPMENT ENGINEER

EXAMINED BY: Keith Kelly
DISTRICT OPERATIONS ENGINEER

EXAMINED BY: W. Kelly
DISTRICT PROJECT IMPLEMENTATION ENGINEER

EXAMINED BY: Douglas J. Keel
DISTRICT CONSTRUCTION ENGINEER

EXAMINED BY: [Signature]
DISTRICT MATERIALS ENGINEER

GENERAL NOTES

1.) THE CENTERLINE PAVEMENT MARKING SHALL BE REMOVED FROM THE STOP BAR TO THE SAND ATENUATORS OR DRUMS. EDGE LINE PAVEMENT MARKING SHALL BE REMOVED IF A 10 FOOT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHALL BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL AGGREGATE MATERIAL	2.05 TON/CU. YD.
ALL HOT-MIX ASPHALT	2.016 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.

COMMITMENTS

1.) NONE AS OF 10/16/20

INDEX OF SHEETS

1	TITLE SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES, COMMITMENTS & PROJECT SPECIFIC NOTES
4-8	SUMMARY OF QUANTITIES
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11-13	SCHEDULE OF QUANTITIES
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16	WIDTH RESTRICTION SIGNING
17-18	STAGING PLAN
19	ROADWAY STAGING TYPICAL SECTIONS
20	EROSION CONTROL PLAN
21	ROW PLAN
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27-51	STRUCTURE PLANS
52-57	CROSS SECTIONS

LOCATIONS	HMA SURFACE COURSE	HMA SHOULDERS (LOWER LIFT)	HMA SHOULDERS (TOP LIFT)	HMA BINDER AND BASE COURSE WIDENING
MIXTURE USES:	HMA SURFACE COURSE, MIX C, N70	HMA BINDER COURSE, N30, 19.0L	HMA SURFACE COURSE, MIX C, N30, 9.5L	HMA BINDER COURSE, N70, IL-19.0
AB/PG	PG64-22	PG64-22	PG64-22	PG64-22
ABR % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0%, 70 GYRATION DESIGN	4.0%, 30 GYRATION DESIGN	4.0%, 30 GYRATION DESIGN	4.0%, 70 GYRATION DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5MM	IL-19.0L	IL-9.5L	IL-19.0MM
FRICTION AGGREGATE	C SURFACE	NONE	NONE	NONE
MIXTURE WEIGHT	112 LBS./SQ. YD./INCH	112 LBS./SQ. YD./INCH	112 LBS./SQ. YD./INCH	112 LBS./SQ. YD./INCH
QUALITY MANAGEMENT PROGRAM	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE	NA	NA	NA	NA

STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420401-13 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
- 420701-03 PAVEMENT WELDED WIRE FABRIC
- 515001-04 NAME PLATE FOR BRIDGES
- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 630201-07 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINAL
- 631031-17 TRAFFIC BARRIER TERMINAL, TYPE 6
- 643001-02 SAND MODULE IMPACT ATTENUATORS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24' (600mm) FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701321-18 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
- 701901-08 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 725001-01 OBJECT AND TERMINAL MARKERS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

REV. - MS

MODEL: 4400DELNAMMS
FILE NAME: SELE5



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, COMMITMENTS & PROJECT SPECIFIC NOTES

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	1248-2	SALINE	57	3
			CONTRACT NO. 78151	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	COUNTY	
			ROUTE	SALINE
			FUNDING	80% FED/20% STATE
			LOCATION	RURAL
			TOTAL QUANTITY	SN 083-0032
				CONST CODE
				0010
20200100	EARTH EXCAVATION	CU YD	294	294
20300100	CHANNEL EXCAVATION	CU YD	426	426
20400800	FURNISHED EXCAVATION	CU YD	288	288
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75
25000350	SEEDING, CLASS 7	ACRE	0.75	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68	68
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	68	68
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68	68
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1	1
25100115	MULCH, METHOD 2	ACRE	0.75	0.75
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	933	933
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	75	75
28000305	TEMPORARY DITCH CHECKS	FOOT	43	43
28000400	PERIMETER EROSION BARRIER	FOOT	800	800

* - SEE SPECIAL PROVISIONS

MODEL: 4400BELNAMES
FILE NAME: 81215



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PLOT DATE = \$DATES	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	1248-2	SALINE	57	4
			CONTRACT NO. 78151	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	COUNTY	
			ROUTE	SALINE
			FUNDING	80% FED/20% STATE
			LOCATION	RURAL
			TOTAL QUANTITY	SN 083-0032
				CONST CODE
				0010
28100109	STONE RIPRAP, CLASS A5	SQ YD	775	775
28200200	FILTER FABRIC	SQ YD	775	775
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	142	142
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	680	680
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	109	109
40604000	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50	TON	85	85
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	108	108
44000100	PAVEMENT REMOVAL	SQ YD	388	388
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SQ YD	771	771
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	344	344
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50200100	STRUCTURE EXCAVATION	CU YD	194	194
50300100	FLOOR DRAINS	EACH	8	8
50300225	CONCRETE STRUCTURES	CU YD	62.2	62.2

* - SEE SPECIAL PROVISIONS

MODEL: 4400BELNAMES
FILE NAME: 81215



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	1248-2	SALINE	57	5
			CONTRACT NO. 78151	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	COUNTY	
			ROUTE	SALINE
			FUNDING	80% FED/20% STATE
			LOCATION	RURAL
			TOTAL QUANTITY	SN 083-0032
				CONST CODE
				0010
50300255	CONCRETE SUPERSTRUCTURE	CU YD	107.2	107.2
50300260	BRIDGE DECK GROOVING	SQ YD	418	418
50300300	PROTECTIVE COAT	SQ YD	538	538
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	95.2	95.2
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1
50500505	STUD SHEAR CONNECTORS	EACH	1176	1176
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	65510	65510
50800515	BAR SPLICERS	EACH	506	506
51201600	FURNISHING STEEL PILES HP12X53	FOOT	624	624
51202305	DRIVING PILES	FOOT	624	624
51204650	PILE SHOES	EACH	12	12
51500100	NAME PLATES	EACH	1	1
52100520	ANCHOR BOLTS, 1"	EACH	24	24
52200010	TEMPORARY SHEET PILING	SQ FT	723	723

* - SEE SPECIAL PROVISIONS

MODEL NAME: V&K
FILE NAME: SHEETS



USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALES	CHECKED -	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	1248-2	SALINE	57	6
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	COUNTY	
			ROUTE	SALINE
			FUNDING	80% FED/20% STATE
			LOCATION	RURAL
			TOTAL QUANTITY	SN 083-0032
				CONST CODE
				0010
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	87	87
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	50	50
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	175	175
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	616	616
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	16	16
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28

* SPECIALTY ITEM

* - SEE SPECIAL PROVISIONS

MODEL: #40DELNAME\$
FILE NAME: STELS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	7
			CONTRACT NO. 78151	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	COUNTY	
			ROUTE	SALINE
			FUNDING	80% FED/20% STATE
			LOCATION	RURAL
			TOTAL QUANTITY	SN 083-0032
				CONST CODE
				0010
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2216	2216
70400100	TEMPORARY CONCRETE BARRIER	FOOT	412.5	412.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	362.5	362.5
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1200	1200
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6	6
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	4
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	192	192
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	738	738
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	12	12
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	28	28
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	129	129

* SPECIALTY ITEM

* - SEE SPECIAL PROVISIONS

REV. - MS

MODEL: 4400DELNAME\$
FILE NAME: 071515



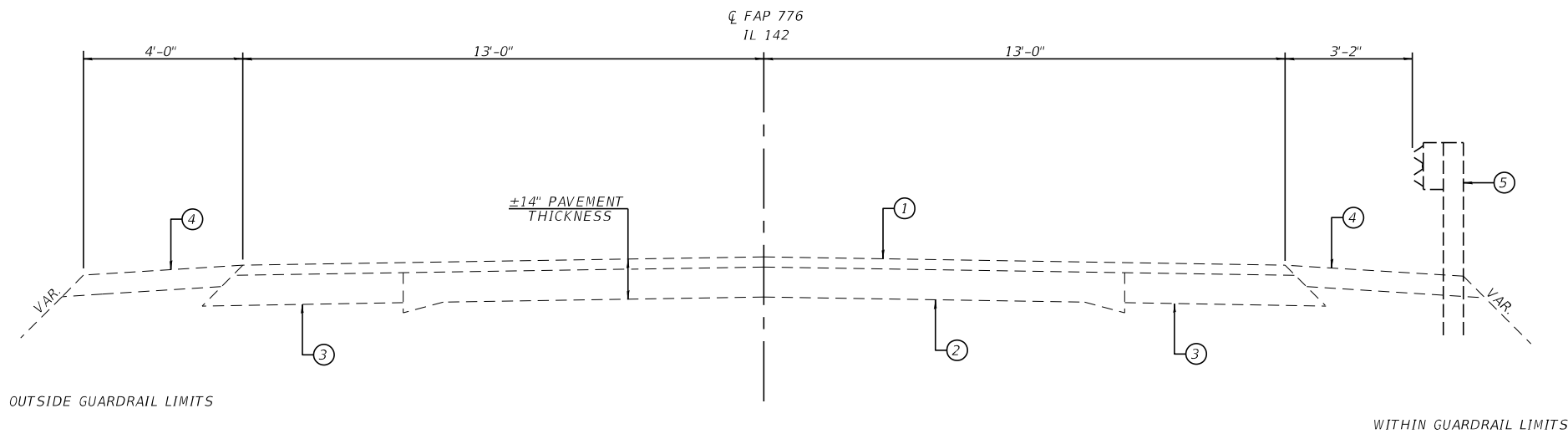
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

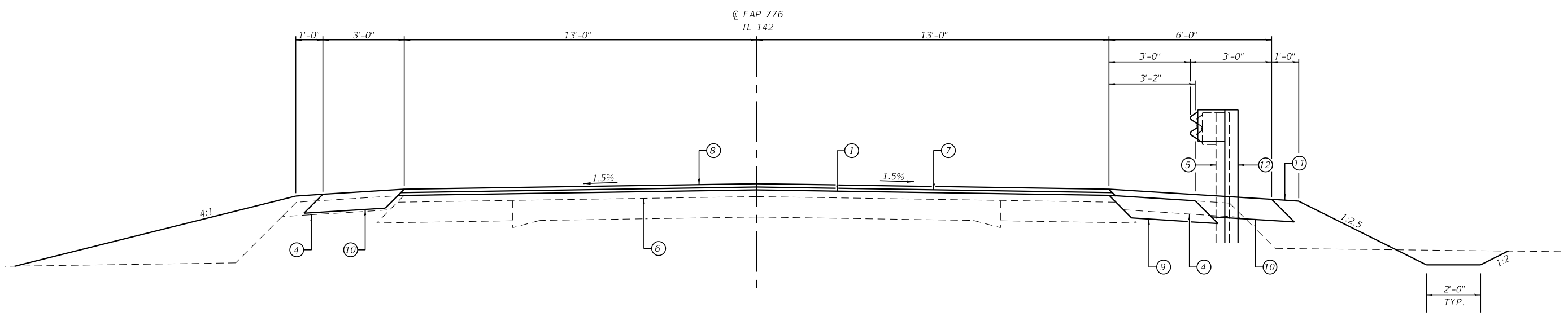
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	8
CONTRACT NO. 78151			ILLINOIS FED. AID PROJECT	



EXISTING CROSS SECTION
 (STA. 156+80 TO STA. 158+85 &
 STA. 159+68 TO STA. 161+85)



PROPOSED CROSS SECTION
 (STA. 156+80 TO STA. 158+66.85
 & STA. 159+94.19 TO STA. 161+85)

PAVEMENT LEGEND

- ① EXISTING HMA OVERLAYS (±5')
- ② EXISTING PCC PAVEMENT (9-6-9)
- ③ EXISTING BASE COURSE WIDENING
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING GUARDRAIL
- ⑥ PROPOSED HMA MILLING (1/2")
- ⑦ PROPOSED HMA BINDER COURSE, IL-19.0, N50 (1-1/4" MIN.)
- ⑧ PROPOSED HMA SURFACE COURSE, IL-9.5 FG, MIX "C", N50, (1-1/2")
- ⑨ PROPOSED HMA BASE COURSE WIDENING, 10"
- ⑩ PROPOSED HMA SHOULDERS, 10"
- ⑪ PROPOSED EARTH SHOULDER
- ⑫ PROPOSED GUARDRAIL



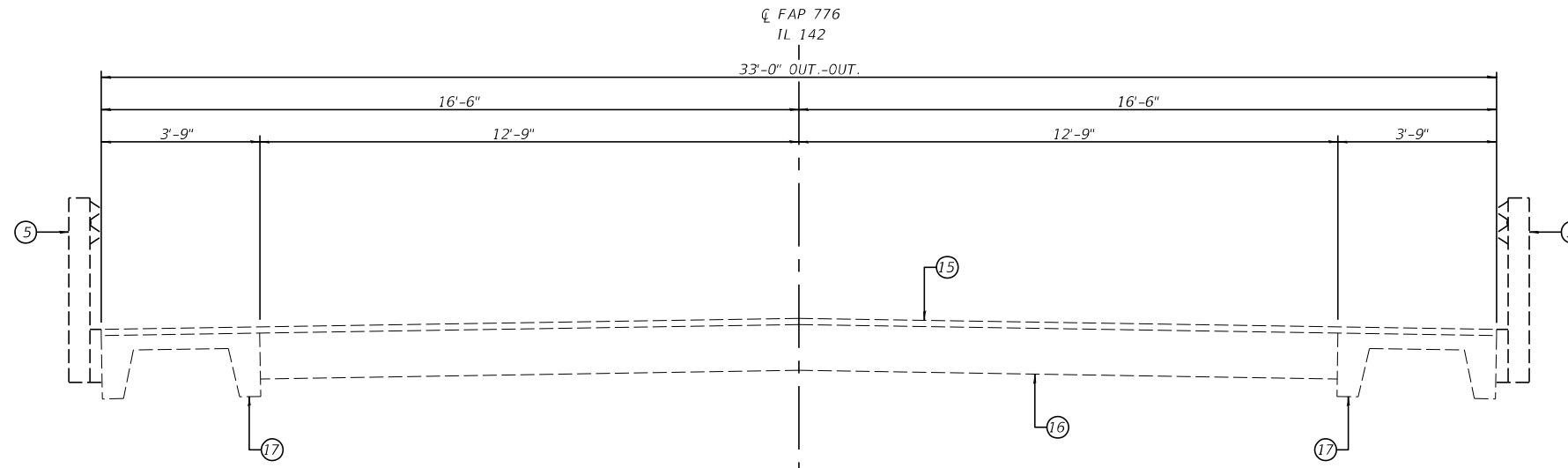
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

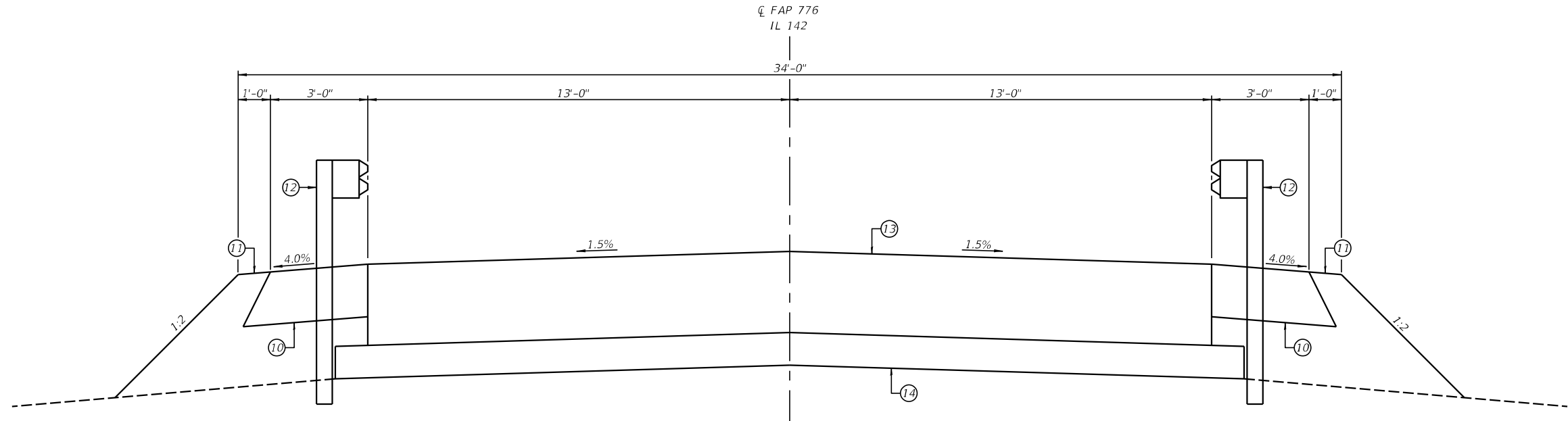
TYPICAL SECTIONS

SCALE: SHEET NO. ___ OF ___ SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	9
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				



EXISTING CROSS SECTION
 (STA. 158+85 TO STA. 159+05
 & STA. 159+48 TO STA. 159+68)



PROPOSED CROSS SECTION
 (STA. 158+66.85 TO STA. 158+96.85
 & STA. 159+64.19 TO STA. 159+94.19)

PAVEMENT LEGEND

- ⑤ EXISTING GUARDRAIL
- ⑩ PROPOSED HMA SHOULDERS, 10"
- ⑪ PROPOSED EARTH SHOULDER
- ⑫ PROPOSED GUARDRAIL
- ⑬ PROPOSED BRIDGE APPROACH SLAB
- ⑭ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- ⑮ EXISTING HMA OVERLAYS (±1 3/4" AND VARIES)
- ⑯ EXISTING 13" APPROACH SLAB
- ⑰ EXISTING PRECAST SLAB UNIT



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET NO. ___ OF ___ SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	10
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				

PERMANENT SEEDING							
LOCATION	SEEDING CLASS 2A	NITROGEN FERT. NUT.	PHOSPHORUS FERT. NUT.	POTASSIUM FERT. NUT.	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2	SEEDING CLASS 7
	ACRE	POUND	POUND	POUND	TON	ACRE	ACRE
STA. 156+86 TO STA. 158+87 RT.	0.14	13	13	13	0.28	0.10	0.10
STA. 156+86 TO STA. 158+87 LT.	0.15	14	14	14	0.30	0.03	0.03
STA. 159+74 TO STA.161+85 RT.	0.15	14	14	14	0.30	0.20	0.20
STA. 159+74 TO STA.161+85 LT.	0.14	13	13	13	0.28	0.20	0.20
TOTAL	0.58	54	54	54	1.16	0.53	0.53

USE 0.75 ACRE USE 68 LBS. USE 68 LBS. USE 68 LBS. USE 1.5 TON USE 0.75 ACRE USE 0.75 ACRE

EARTHWORK				
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	FURNISHED EXCAVATION
	CU. YD.	CU. YD.	CU. YD.	CU. YD.
STA. 156+80 TO STA. 158+96.85	116	87	289	202
STA. 159+64.19 TO STA. 161+85	178	133	357	224
TOTAL	294			426

25100635 HEAVY DUTY EROSION CONTROL BLANKET	
	HEAVY DUTY EROSION CONTROL BLANKET
	SQ. FT.
STA. 157+50 TO STA. 158+86.85 RT.	305
STA. 158+00 TO STA. 158+86.85 LT	153
STA. 159+74.19 TO STA. 160+50 RT.	165
STA. 159+74.19 TO STA. 161+00 LT.	310
TOTAL	933

TEMPORARY EROSION CONTROL ITEMS			
LOCATION	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER
	POUND	FOOT	FOOT
STA. 156+86 TO STA. 158+87 RT.	14		
STA. 156+86 TO STA. 158+87 LT.	15		
STA. 159+74 TO STA.161+85 RT.	15		
STA. 159+74 TO STA.161+85 LT.	14		
STA. 157+50 38' RT.		7	
STA. 158+50 41' RT.		7	
STA. 160+00 39.5' RT. & LT.		14	
STA. 161+00 37' LT.		7	
STA. 161+00 45' RT.		8	
STA. 157+00 TO STA. 159+10 RT.			210
STA. 157+00 TO STA. 159+10 LT.			210
STA. 159+60 TO STA. 161+50 RT.			190
STA. 159+60 TO STA. 161+50 LT.			190
TOTAL	58	43	800

USE 75 LBS.

HMA SHOULDERS AND BASE COURSE WIDENING		
	HOT-MIX ASPHALT BASE COURSE WIDENING 10"	HOT-MIX ASPHALT SHOULDERS 10"
	SQ. YD.	SQ. YD.
STA. 156+87.5 TO STA. 158+85 RT.	70	
STA. 159+68 TO STA. 161+70.5 RT.	72	
STA. 156+80 TO STA. 157+45 RT.		34
STA. 157+45 TO STA. 158+51.85 RT.		34
STA. 160+09.19 TO STA. 161+16 RT.		61
STA. 161+16 TO STA. 161+85 RT.		23
STA. 156+80 TO STA. 158+51.85 LT.		85
STA. 160+09.19 TO STA. 161+85 LT.		107
TOTAL	142	344



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUANTITIES SCHEDULES

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	11
			CONTRACT NO. 78151	
ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE				
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX"C", N50	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"
	TON	TON	POUND	SQ. YD.
STA. 157+19 TO STA. 158+51.85	46			384
STA. 160+09.19 TO STA. 161+43	109			387
STA. 156+80 TO STA. 158+51.85		42	224	
STA. 160+09.19 TO STA. 161+85		43	229	
STA. 156+80 TO STA. 158+51.85 (FOG COAT)			112	
STA. 160+09.19 TO STA. 161+85 (FOG COAT)			115	
TOTAL	155	85	680	771

42000070 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	
	PAVEMENT CONNECTOR FOR BRIDGE APPROACH SLAB SQ. YD.
STA. 158+51.85 TO STA. 158+66.85	54
STA. 159+94.19 TO STA. 160+09.19	54
TOTAL	108

PAVEMENT REMOVAL	
	PAVEMENT REMOVAL SQ. YD.
STA. 158+51.85 TO STA. 159+11.52	194
STA. 159+49.52 TO STA. 160+09.19	194
TOTAL	388

TEMPORARY PAVEMENT MARKING		
	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING REMOVAL
	FOOT	SQ. FT.
STA. 156+24 TO STA. 162+93 CENTERLINE STAGE I	670	223
STA. 157+25 TO STA. 161+40 EDGE STAGE I	415	137
STA. 155+67 TO STA. 162.36.5 CENTERLINE STAGE II	670	223
STA. 157+00 TO STA. 161+60 EDGE STAGE II	460	152
TOTAL	2215	735

STEEL RAILING AND GUARDRAIL SCHEDULE					
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	STEEL PLATE BEAM GUARDRAIL 9 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REMOVAL
	EACH	FOOT	EACH	EACH	FOOT
STA. 157+20.0 TO STA. 157+70.0 RT.	1				
STA. 157 +70.0 TO STA. 158+45.0 RT.		75			
STA. 158+45.0 TO STA. 158+81.85 RT.			1		
STA. 157+82.5 TO STA. 158+32.5 LT.	1				
STA. 158+32.5 TO STA. 158+45.0 LT.		12.5			
STA. 158+45.0 TO STA. 158+81.85 LT.			1		
STA. 159+79.15 TO STA. 160+16.0 RT.			1		
STA. 160+16.0 TO STA. 160+28.5 RT.		12.5			
STA. 160+28.5 TO STA. 160+78.5 RT.	1				
STA. 159+79.15 TO STA. 160+16.0 LT.			1		
STA. 160+16.0 TO STA. 160+91.0 LT.		75			
STA. 160+91.0 TO STA. 161+41.0 LT.	1				
STA. 157+20 RT.				1	
STA. 157+82.5 LT.				1	
STA. 160+78.5 RT.				1	
STA. 161+41.0 LT.				1	
STA. 156+58 TO STA. 159+11.5 RT.					254
STA. 158+45 TO STA. 159+11.5 LT.					67
STA. 159+49.5 TO STA. 160+03 RT.					54
STA. 159+49.5 TO STA. 161+90 LT.					241
TOTAL	4	175	4	4	616

70106500 TEMPORARY BRIDGE TRAFFIC SIGNALS	
	TEMPORARY BRIDGE TRAFFIC SIGNALS EACH
STA. 156+22 26' RT.	0.25
STA. 156+47 26' LT.	0.25
STA. 162+65 26' RT.	0.25
STA. 162+90 26' LT.	0.25
TOTAL	1

70107025 CHANGEABLE MESSAGE SIGN	
	CHANGEABLE MESSAGE SIGN CAL. DAY
MESSAGE BOARD SOUTH OF PROJECT	14
MESSAGE BOARD NORTH OF PROJECT	14
TOTAL	28

70106700 TEMPORARY RUMBLE STRIPS	
	TEMPORARY RUMBLE STRIPS EACH
STA. 138+72 RT.	1
STA. 143+72 RT.	1
STA. 148+72 RT.	1
STA. 170+40 LT.	1
STA. 175+40 LT.	1
STA. 180+40 LT.	1
TOTAL	6



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUANTITIES SCHEDULES

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78151	

TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS				
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW) TEST LEVEL 3
	EACH	FOOT	FOOT	EACH
STA. 156+91.7 TO STA. 157+24.3	1			
STA. 157+24.3 TO STA. 161+36.2 (STAGE I)		412.5		
STA. 161+36.2 TO STA. 161+68.8	1			
STA. 157+16.7 TO STA. 157+49.3				1
STA. 157+49.3 TO STA. 161+11.2 (STAGE II)			362.5	
STA. 161+11.2 TO STA. 161+43.8				1
TOTAL	2	412.5	362.5	2

RAISED REFLECTIVE PAVEMENT MARKERS		
	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
	EACH	EACH
STA. 156+80 TO STA. 161+85	6	
STA. 156+80 TO STA. 158+51.85		2
STA. 160+09.19 TO STA. 161+85		2
TOTAL	6	4

PINNING TEMPORARY CONCRETE BARRIER	
LOCATION	PINNING TEMPORARY CONCRETE BARRIER
	EACH
STAGE I	
STA. 158+24 TO STA. 158+36.5	1
STA. 158+36.5 TO STA. 158+49	2
STA. 158+49 TO STA. 158+99	12
STA. 159+49 TO STA. 160+11.5	15
STA. 160+11.5 TO STA. 160+24	2
STA. 160+24 TO STA. 160+36.5	1
STAGE II	
STA. 158+24 TO STA. 158+36.5	1
STA. 158+36.5 TO STA. 158+49	2
STA. 158+49 TO STA. 158+61.5	3
STA. 159+99 TO STA. 160+11.5	3
STA. 160+11.5 TO STA. 160+24	2
STA. 160+24 TO STA. 160+36.5	1
TOTAL	45

PAINT PAVEMENT MARKING - LINE 4"		
LOCATION	30' SKIP 10' DASH YELLOW FOOT	EDGE LINE WHITE FOOT
STA. 155+42.7 TO STA. 163+03.1	190	
STA. 156+80 TO STA. 161+85		1010
SUBTOTAL	190	1010

X0327979 PAVEMENT MARKING REMOVAL - GRINDING	
	PAVEMENT MARKING REMOVAL - GRINDING
	SQ. FT.
STA. 155+42.7 TO STA. 157+24 CENTERLINE SKIP DASH	17
STA. 156+87.5 TO STA. 161+70.5 (WHITE EDGE LINE RT.)	161
STA. 161+30 TO STA. 163+03 CENTERLINE SKIP DASH	14
TOTAL	192

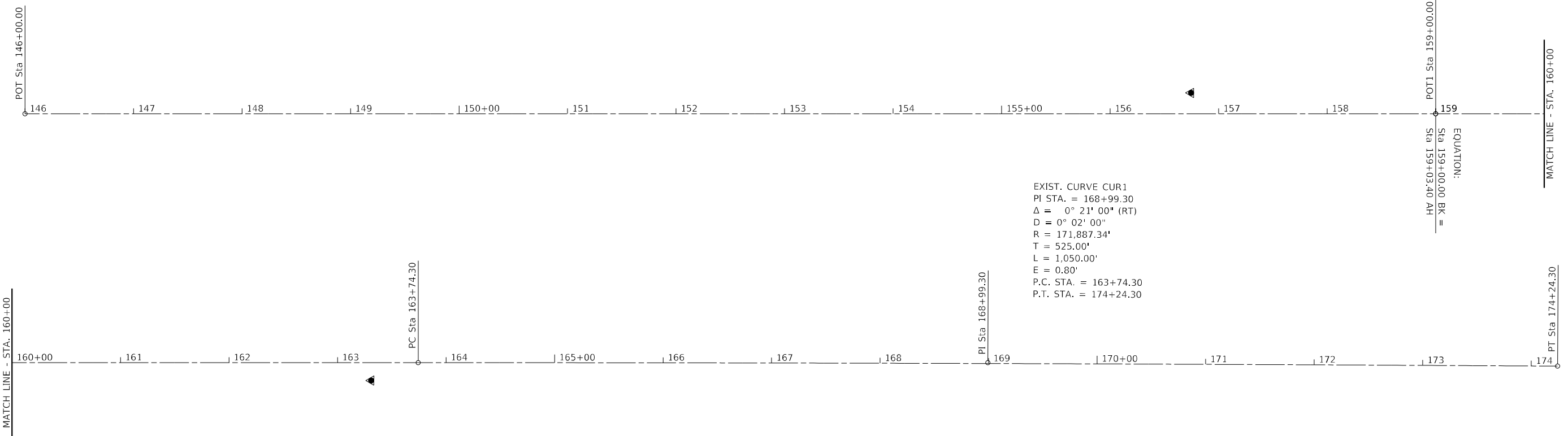


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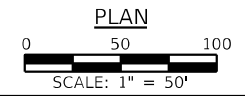
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUANTITIES SCHEDULES	
SCALE:	SHEET NO. 3 OF 3 SHEETS
STA.	TO STA.

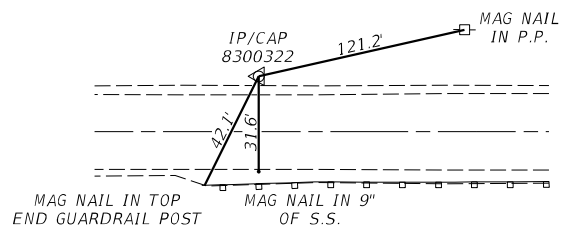
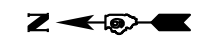
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	13
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				



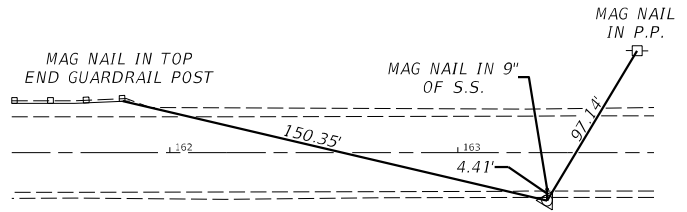
EXIST. CURVE CUR1
 PI STA. = 168+99.30
 Δ = 0° 21' 00" (RT)
 D = 0° 02' 00"
 R = 171,887.34'
 T = 525.00'
 L = 1,050.00'
 E = 0.80'
 P.C. STA. = 163+74.30
 P.T. STA. = 174+24.30



BENCHMARKS: BM#505 - CHISELED "□" ON N.E. CORNER OF WINGWALL OF STRUCTURE NO. 083-0032
 18.0' RT. STA. 14+83 ELEV. 368.79



TIE #1
 #5 REBAR WITH IDOT CAP
 19' LT. STA. 156+75
 N 436016.51
 E 949771.94



TIE #2
 #5 REBAR WITH IDOT CAP
 16.5' RT. STA. 163+31
 N 435359.90
 E 949740.63



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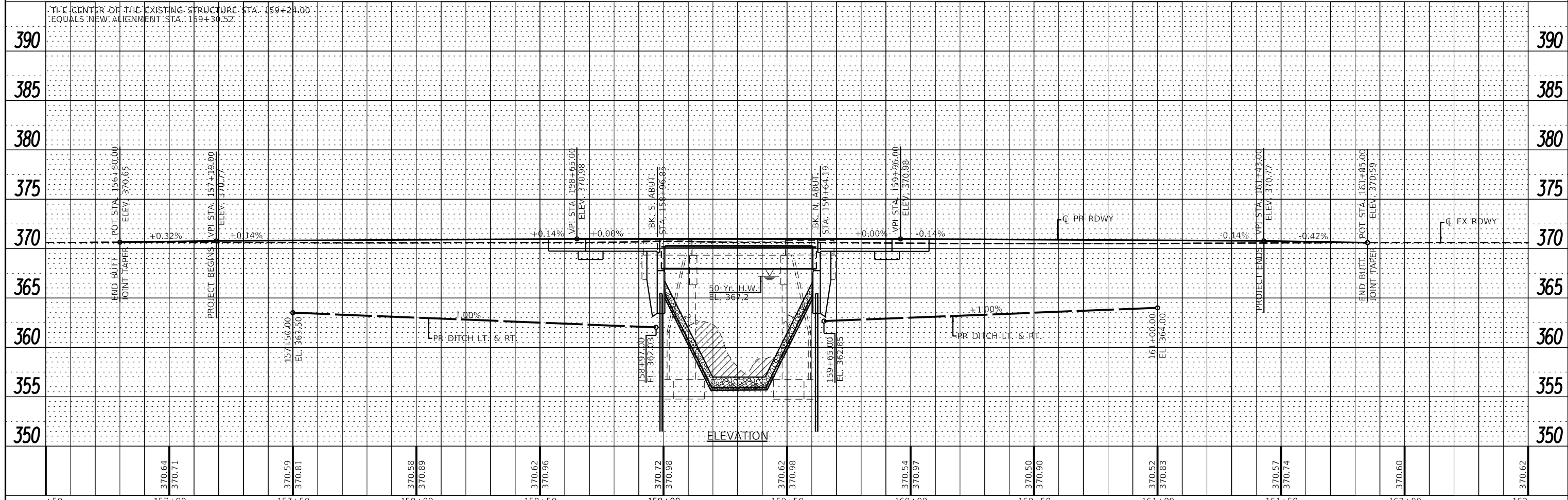
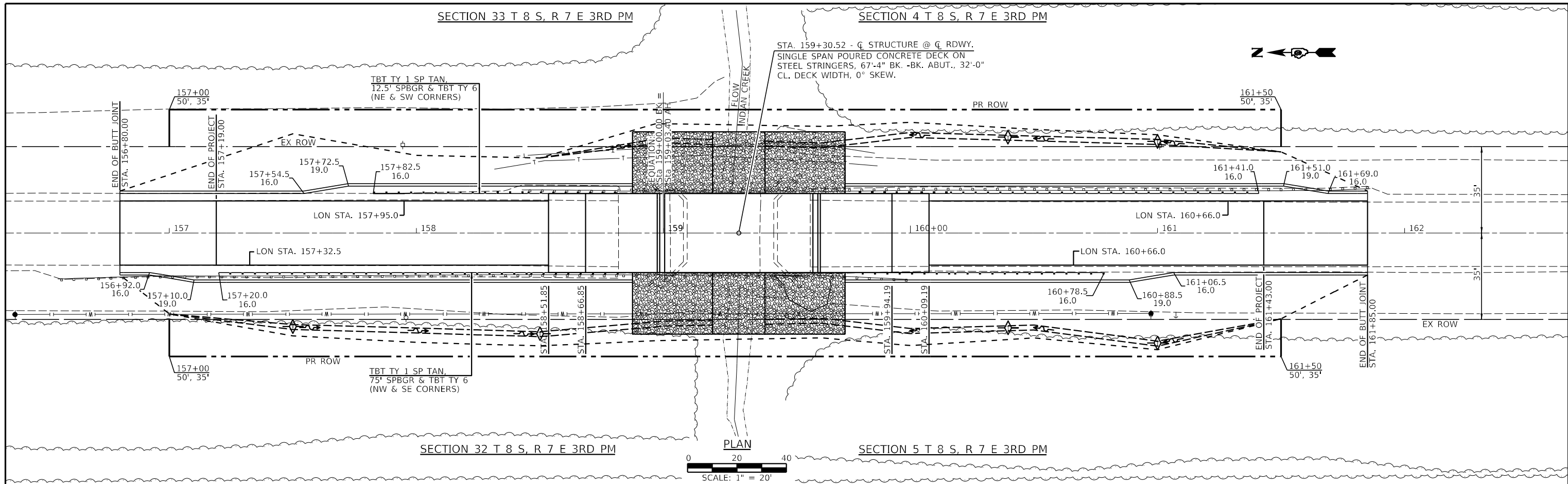
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS	
SCALE:	SHEET NO. ___ OF ___ SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	14
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CHECKED	
	ALIGNED	
	FILED	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CHECKED	
	ALIGNED	
	FILED	
	CARD FILE NAME	



370.64	370.71	370.59	370.81	370.58	370.89	370.62	370.96	370.72	370.98	370.62	370.98	370.54	370.97	370.50	370.90	370.52	370.83	370.57	370.74	370.60	370.62
+50	157+00	157+50	158+00	158+50	159+00	159+50	160+00	160+50	161+00	161+50	162+00	162+00	162+00	162+00	162+00	162+00	162+00	162+00	162+00	162+00	162+00

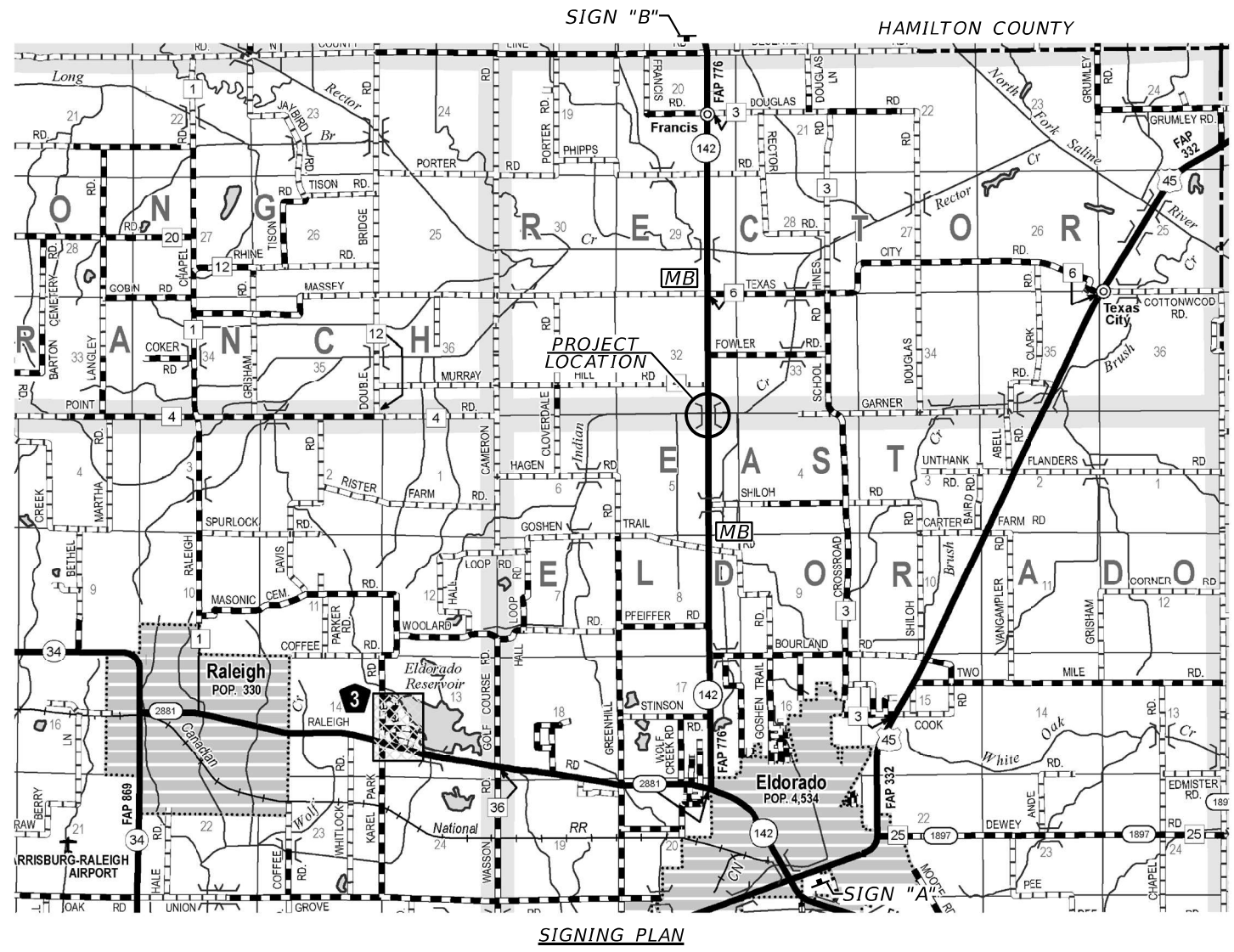
V&K
 Veenstra & Kimm, Inc.
 Springfield, IL Phone: (217)544-8033

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CHECKED -	REVISOR -	
DATE -	REVISOR -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	15
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				



STAGING GENERAL NOTES

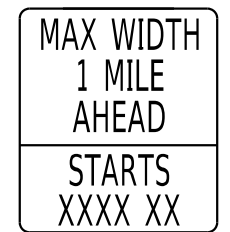
1. TRAFFIC CONTROL SHALL BE ERECTED AS SHOWN AND ACCORDING TO TRAFFIC CONTROL AND PROTECTION, STANDARD 701321. SEE STANDARD 701321 FOR THE COMPLETION OF STAGE CONSTRUCTION TRAFFIC CONTROL THAT IS NOT SHOWN THAT INCLUDES, BUT IS NOT LIMITED TO, ADVANCE SIGNING, ADVANCE LOOP PLACEMENT, DRUMS WITH STEADY BURNING LIGHTS, DOUBLE VERTICAL PANELS AND BARRIER WALL/GUARDRAIL MARKERS.
2. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.
3. TEMPORARY RUMBLE STRIPS SHOWN ON STANDARD 701321 WILL BE REQUIRED.
4. THE DIMENSION SHOWN ON THE WIDTH RESTRICTION SIGN (W12-10210)-48) SHOWN ON STANDARD 701321 AND ON THE ADVANCE WARNING SIGN (W12-1103) SHOWN ON THIS SHEET SHALL BE 12'-2" FOR STAGE I CONSTRUCTION AND 14'-0" FOR STAGE II CONSTRUCTION.
5. THE CENTERLINE PAVEMENT MARKING SHALL BE REMOVED FROM THE STOP BAR TO THE SAND ATTENUATORS OR DRUMS, EDGE LINE PAVEMENT MARKING SHALL BE REMOVED IF A 10 FT. LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHALL BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
6. THE TEMPORARY SIGNALS SHALL REMAIN IN OPERATION AND THE TEMPORARY BARRIERS SHALL REMAIN IN PLACE UNTIL THE BRIDGE, PCC PAVEMENT CONNECTOR, APPROACH SLAB, HMA SHOULDERS, GUARDRAIL AND TRAFFIC BARRIER TERMINALS ARE COMPLETED. AFTER COMPLETION OF THE DESIGNATED WORK THE TEMPORARY SIGNALS WILL BE EITHER REMOVED OR TURNED OFF AND COVERED AND THE TEMPORARY CONCRETE BARRIER REMOVED.
7. THE TEMPORARY CONCRETE BARRIER SHALL BE PINNED AS SPECIFIED IN SECTION 704 OF THE SUPPLEMENTAL SPECIFICATIONS AND AS SHOWN ON THE PLANS.
8. THE COST OF PROVIDING SIGNS A,B,C & D AND THEIR POSTS AND ALL WORK NECESSARY TO INSTALL THEM IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701321.



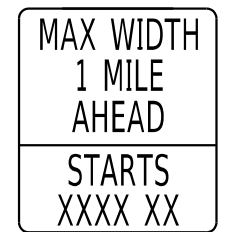
SIGN A
 W12-1103 48" X 48" WITH XX' XX"
 LETTERS BLACK ON ORANGE
 MAX WIDTH & 2 MILES AHEAD
 BLACK ON WHITE WITH M3-1 30X15
 AND M1-1100 30X24
 LOCATED NORTH OF THE INTERSECTION
 OF IL 142 AND DESERTER ROAD (CR 2100N)



SIGN B
 W12-1103 48" X 48" WITH XX' XX"
 LETTERS BLACK ON ORANGE
 MAX WIDTH & 2 MILES AHEAD
 BLACK ON WHITE WITH M3-1 30X15
 AND M1-1100 30X24
 LOCATED SOUTH OF THE INTERSECTION
 OF IL 142 AND US ROUTE 45



MESSAGE BOARD
 LOCATED SOUTH OF THE INTERSECTION
 OF IL 142 AND SHILOH ROAD



MESSAGE BOARD
 LOCATED NORTH OF THE INTERSECTION
 OF IL 142 AND TEXAS CITY ROAD (CH 6)

MESSAGE BOARDS TO BE PLACED TWO
 WEEKS BEFORE CONSTRUCTION BEGINS



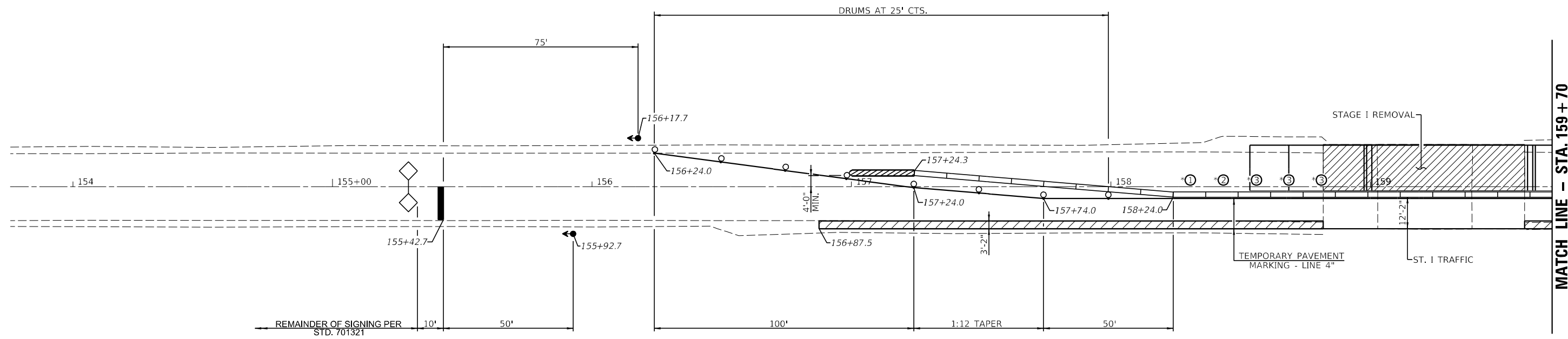
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 DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING

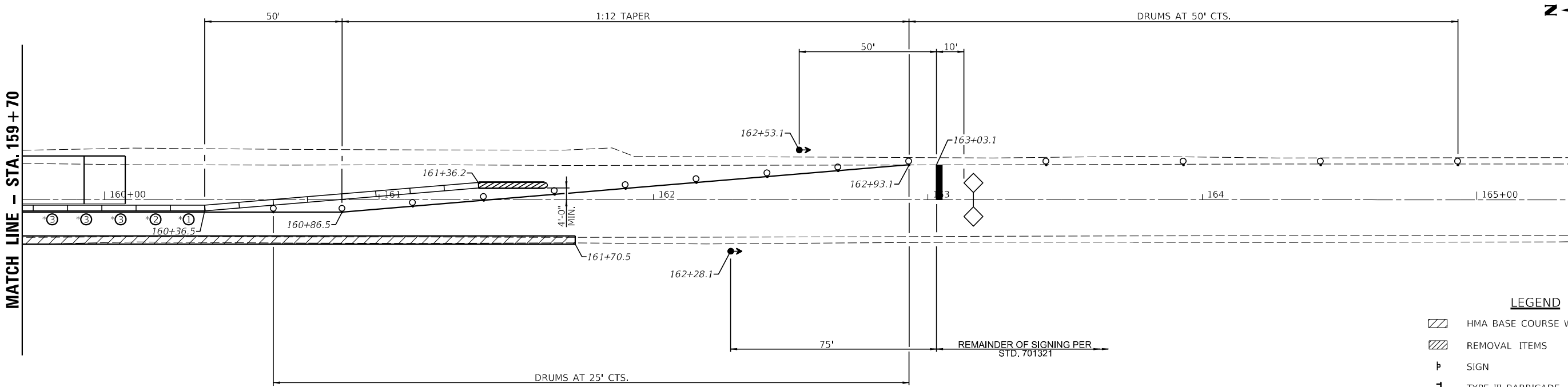
SCALE: SHEET NO. ___ OF ___ SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	16
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				



MATCH LINE - STA. 159 + 70

* - PINNING OF TEMPORARY CONCRETE BARRIER

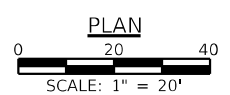


MATCH LINE - STA. 159 + 70



LEGEND

- HMA BASE COURSE WIDENING 10"
- REMOVAL ITEMS
- SIGN
- TYPE III BARRICADE
- DRUM WITH STEADY BURNING LIGHT
- BARRICADE WITH STEADY BURNING LIGHT
- TRAFFIC SIGNAL
- INDUCTION LOOP DETECTOR
- DOUBLE VERTICAL PANEL
- TYPE C BIDIRECTIONAL REFLECTOR
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS



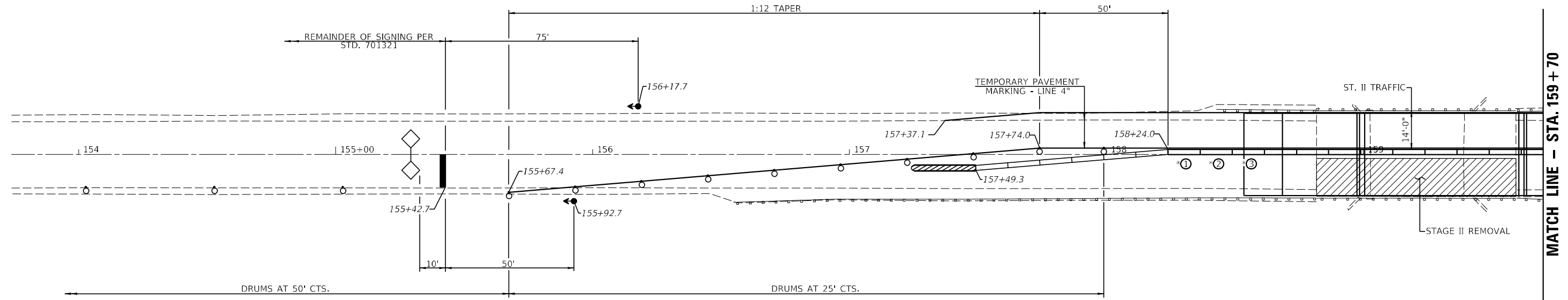
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DEPARTMENT OF TRANSPORTATION**

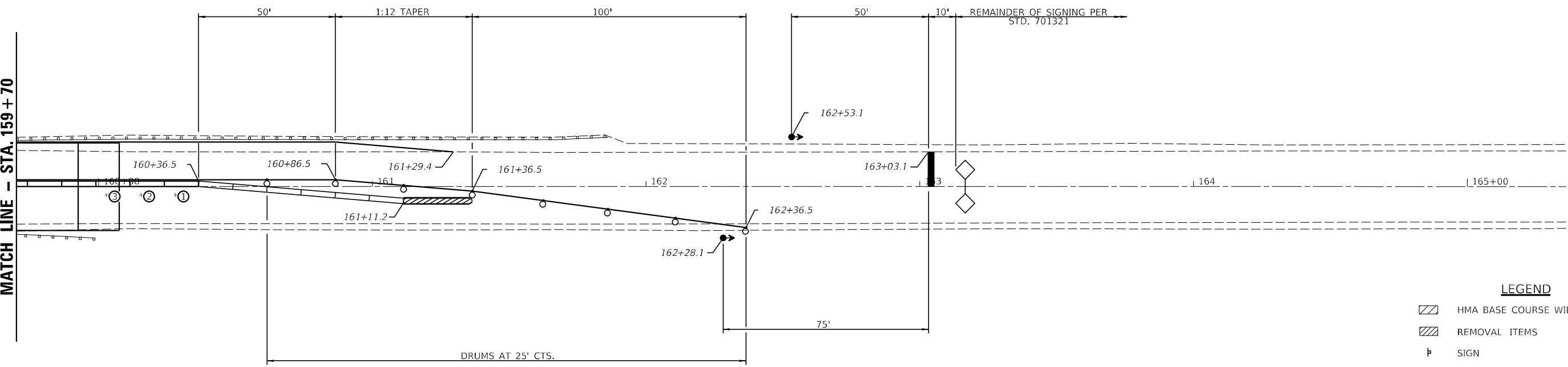
STAGE I TRAFFIC

SCALE: SHEET NO. ___ OF ___ SHEETS STA. TO STA.

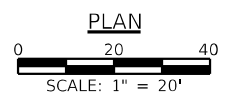
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	17
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				



* - PINNING OF TEMPORARY CONCRETE BARRIER



- LEGEND**
- HMA BASE COURSE WIDENING 10"
 - REMOVAL ITEMS
 - SIGN
 - TYPE III BARRICADE
 - DRUM WITH STEADY BURNING LIGHT
 - BARRICADE WITH STEADY BURNING LIGHT
 - TRAFFIC SIGNAL
 - INDUCTION LOOP DETECTOR
 - DOUBLE VERTICAL PANEL
 - TYPE C BIDIRECTIONAL REFLECTOR
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATOR
 - STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS

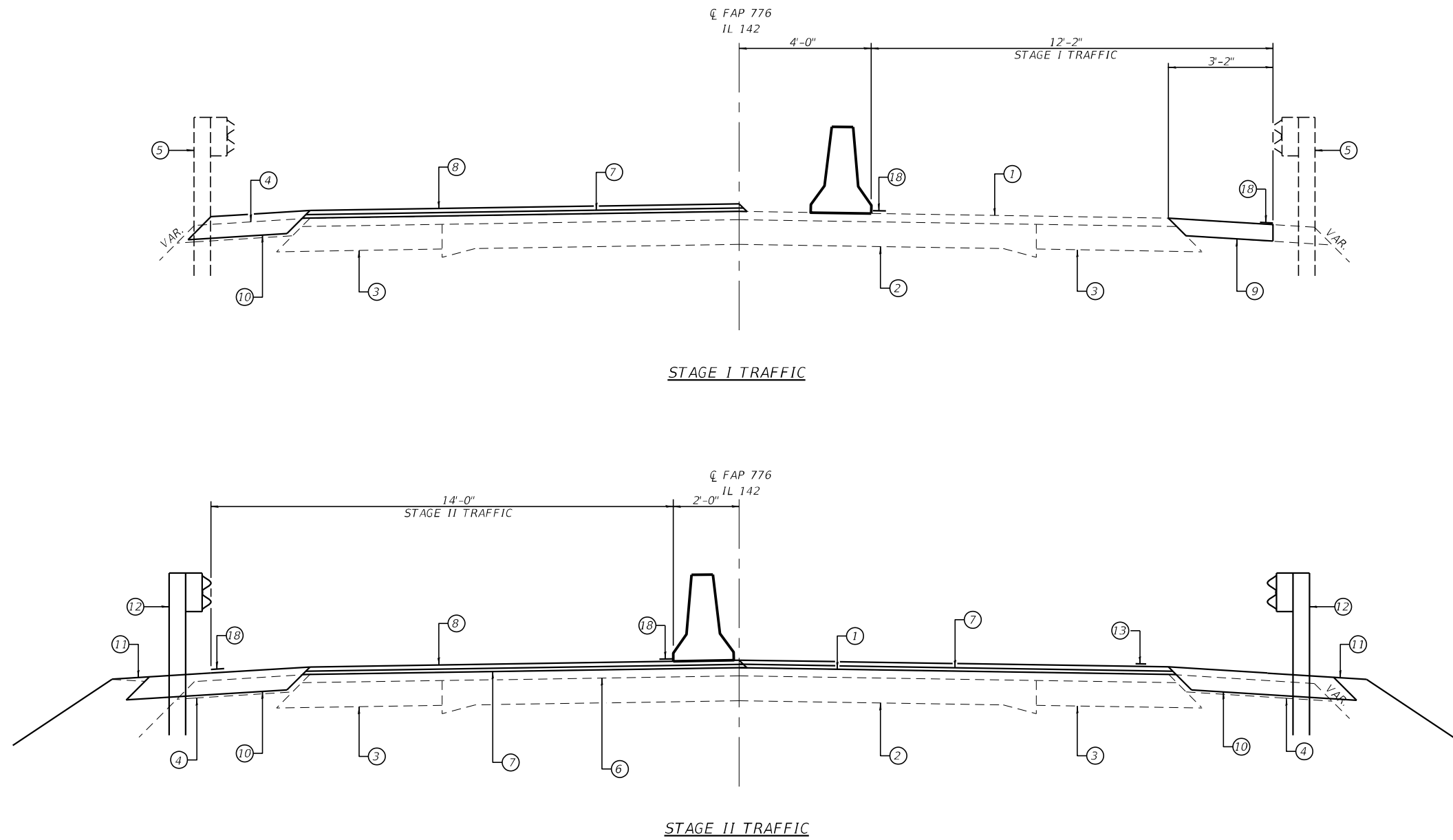


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET NO. ___ OF ___ SHEETS		STA. TO STA.	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	18
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				



- PAVEMENT LEGEND**
- ① EXISTING HMA OVERLAYS (±5")
 - ② EXISTING PCC PAVEMENT (9-6-9)
 - ③ EXISTING BASE COURSE WIDENING
 - ④ EXISTING AGGREGATE SHOULDER
 - ⑤ EXISTING GUARDRAIL
 - ⑥ PROPOSED HMA MILLING (1/2")
 - ⑦ PROPOSED HMA BINDER COURSE, IL-19.0, N50 (1-1/4" MIN.)
 - ⑧ PROPOSED HMA SURFACE COURSE, IL-9.5 FG, MIX "C", N50, (1-1/2")
 - ⑨ PROPOSED HMA BASE COURSE WIDENING, 10"
 - ⑩ PROPOSED HMA SHOULDERS, 10"
 - ⑪ PROPOSED EARTH SHOULDER
 - ⑫ PROPOSED GUARDRAIL
 - ⑬ PROPOSED TEMPORARY PAINT PAVEMENT MARKING - LINE 4"

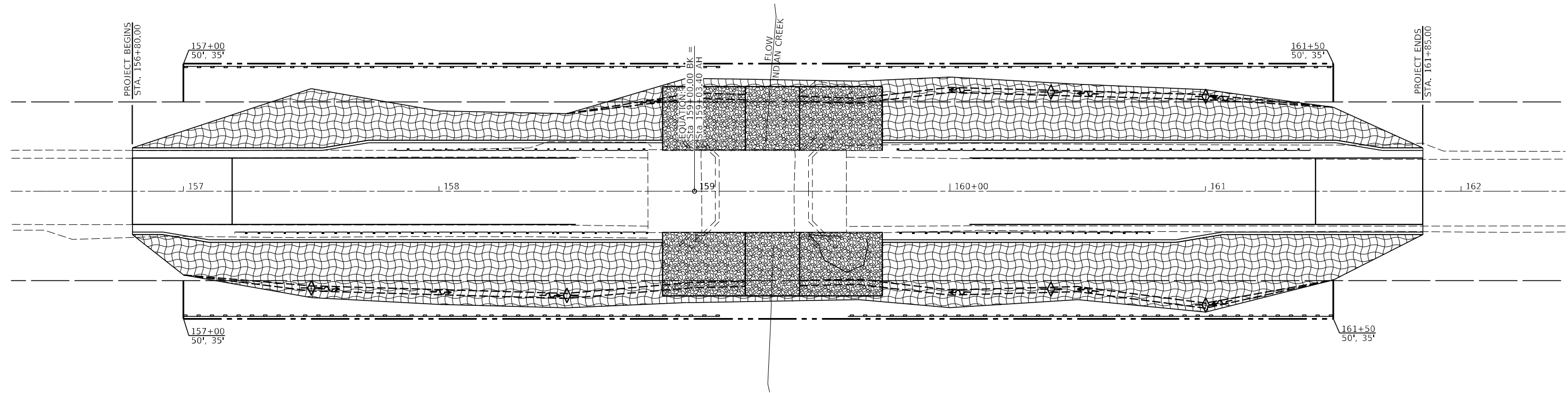


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PLOT SCALE =	DRAWN -	REVISED -
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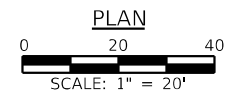
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY STAGING	
SCALE:	SHEET NO. ___ OF ___ SHEETS STA. TO STA.

F.A.P. RTE. 776	SECTION 124B-2	COUNTY SALINE	TOTAL SHEETS 57	SHEET NO. 19
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- INDICATES PERIMETER EROSION BARRIER
 - INDICATES STONE RIPRAP CLASS A5
 - INDICATES SEEDING, CLASS 2A & HEAVY DUTY EROSION CONTROL BLANKET
 - INDICATES TEMPORARY DITCH CHECK



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CHECKED -	REVISIONS -	
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PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: SHEET NO. ___ OF ___ SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	20
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				

PARCEL #	OWNERS NAME	PURPOSE	ACREAGE
012	TINA ETIENNE	R.O.W.	0.160 AC±
013	JUNE VANGAMPLER	R.O.W.	0.074 AC±
014	ARTHUR VANGAMPLER CREDIT SHIELD TRUST	R.O.W.	0.074 AC±

TINA ETIENNE
PARCEL 012
A

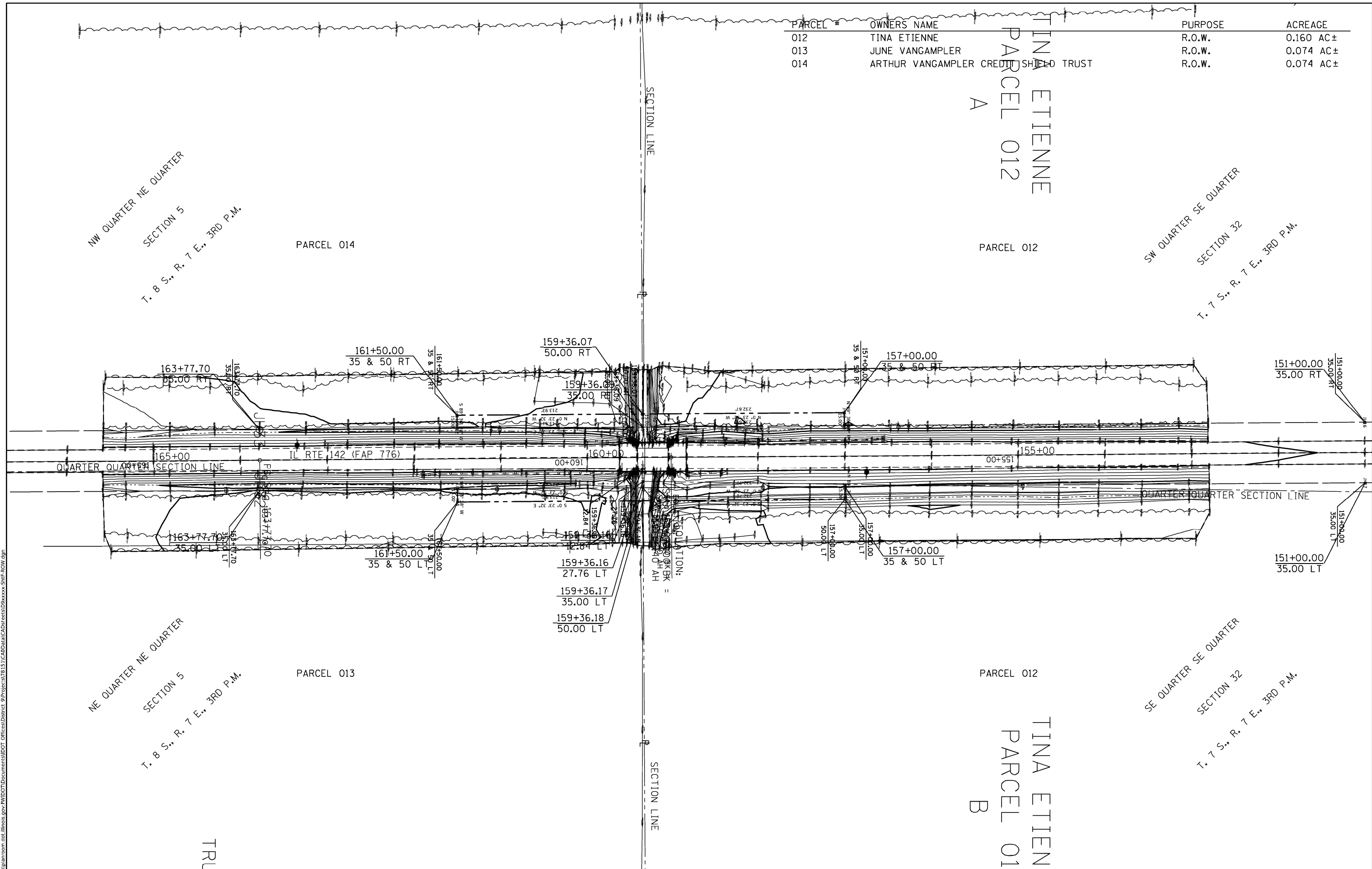
TINA ETIENNE
PARCEL 01
B

NW QUARTER NE QUARTER
SECTION 5
T. 8 S., R. 7 E., 3RD P.M.

SW QUARTER SE QUARTER
SECTION 32
T. 7 S., R. 7 E., 3RD P.M.

NE QUARTER NE QUARTER
SECTION 5
T. 8 S., R. 7 E., 3RD P.M.

SE QUARTER SE QUARTER
SECTION 32
T. 7 S., R. 7 E., 3RD P.M.



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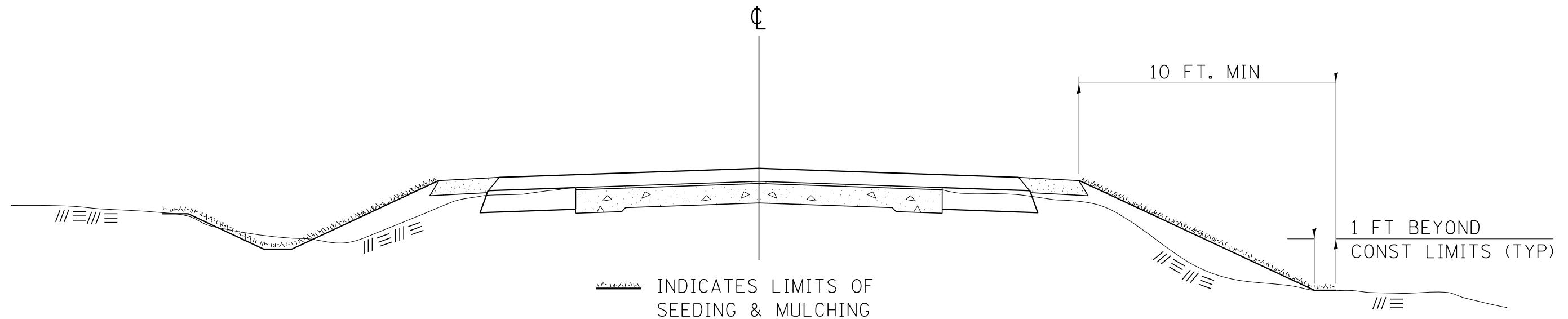
USER NAME = dclerdingj	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 99.9971' / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS			
PROJECT	JOB NO. R-99-002-10		
SCALE: 1" = 100'	SHEET 1	OF 1 SHEETS	TO STA. 166+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	67	21
IL 142 SN083-0032		CONTRACT NO. 78151		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

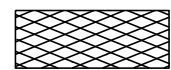
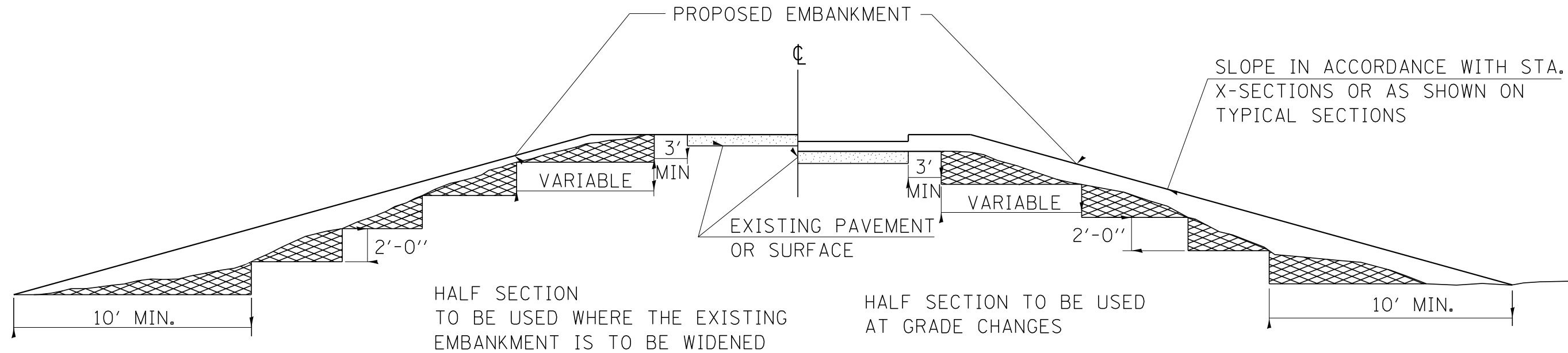
REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

STD. 9-12

 Veenstra & Kimm, Inc. Springfield, IL Phone: (217)544-8033	USER NAME = ___	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = ___	DRAWN - ___	REVISED - ___		SCALE:	SHEET NO. ___ OF ___ SHEETS	STA. TO STA.	776	124B-2	SALINE	57	22
PLOT DATE = ___	CHECKED - ___	REVISED - ___					CONTRACT NO. 78151			ILLINOIS FED. AID PROJECT		

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL

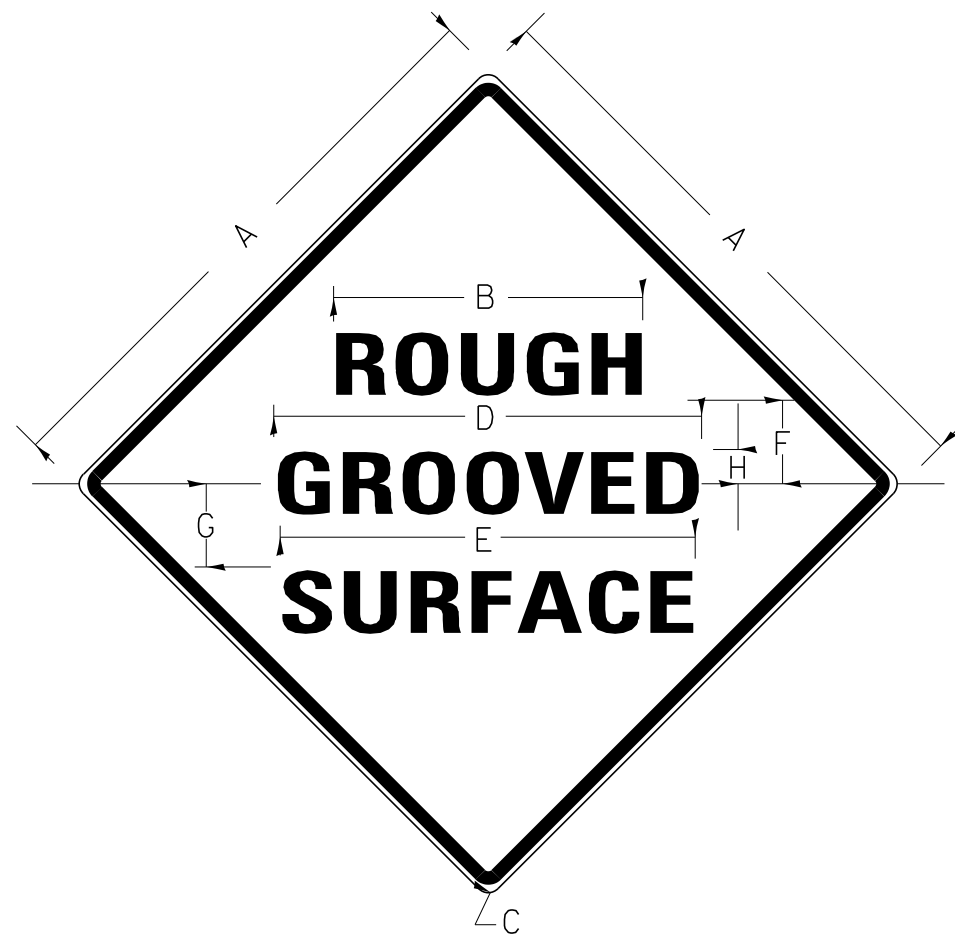


MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08
REVIEWED	5-17-13

STD. 9-16

ILLINOIS STANDARD



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
 BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

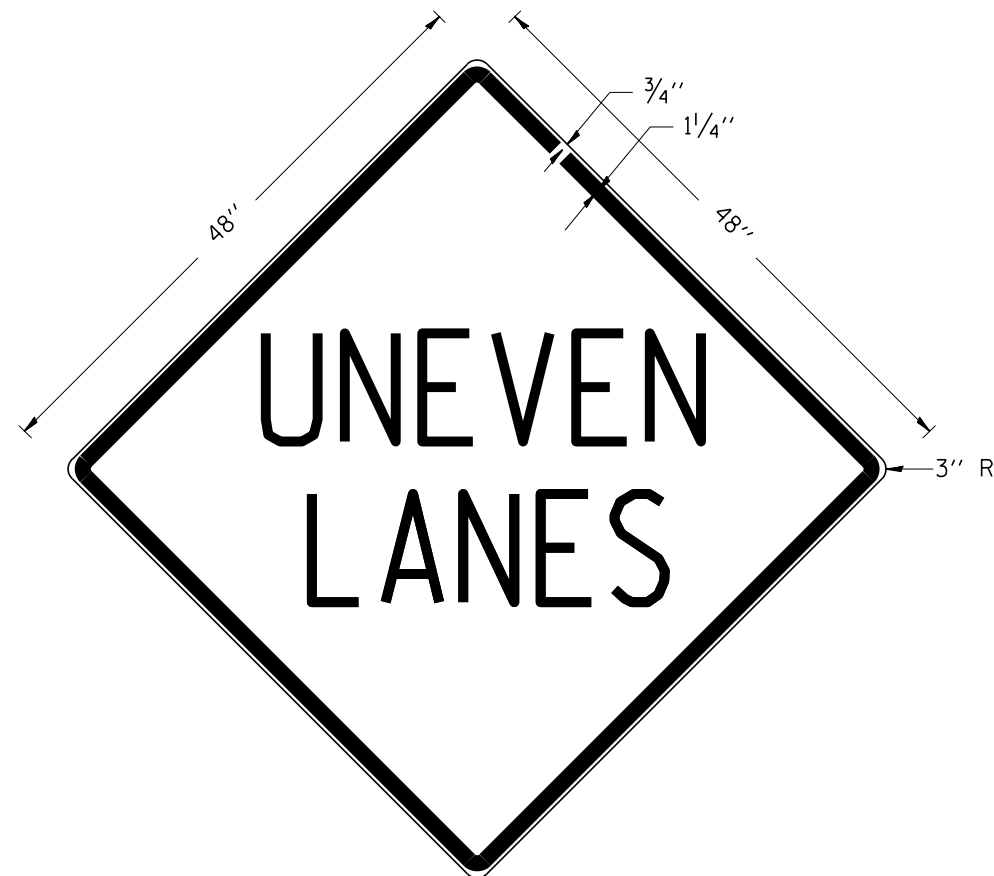
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

STD. 9-39

 Veenstra & Kimm, Inc. Springfield, IL. Phone: (217)544-8033	USER NAME = ___	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = ___	DRAWN - ___	REVISED - ___		SCALE:	SHEET NO. ___ OF ___ SHEETS	STA. TO STA.	776	124B-2	SALINE	57	24
PLOT DATE = ___	CHECKED - ___	REVISED - ___					CONTRACT NO. 78151					
ILLINOIS FED. AID PROJECT												

UNEVEN LANES SIGN

W8-11 (48'' x 48'')



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
 BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

STD. 9-41

 Veenstra & Kimm, Inc. Springfield, IL. Phone: (217)544-8033	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN -	REVISED -					776	124B-2	SALINE	57	26
PLOT DATE =	CHECKED -	REVISED -			SCALE:	SHEET NO. ___ OF ___ SHEETS	STA. TO STA.	CONTRACT NO. 78151				
					ILLINOIS FED. AID PROJECT							

Benchmark: BM 505: Chiseled "d" on the Northeast corner of wingwall of SN 083-0032 at Sta. 159+09, 18' right, Elev. 368.794.

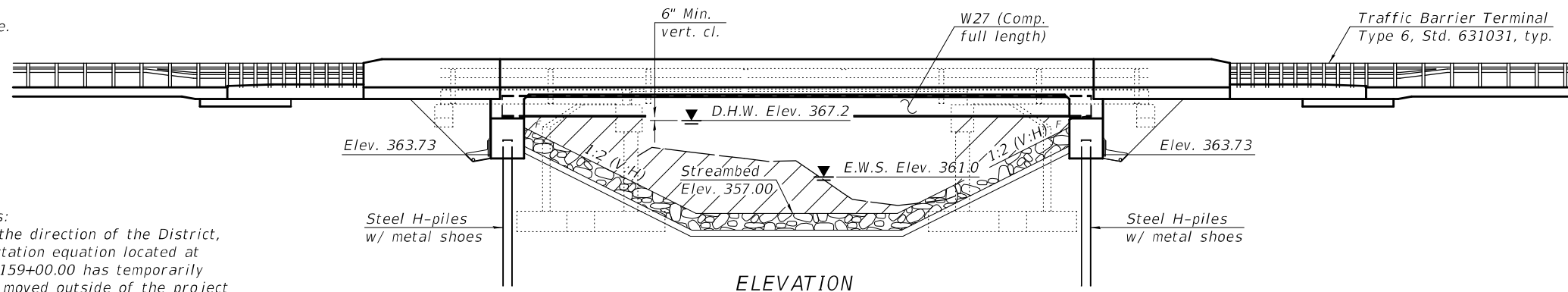
Existing Structure: Structure number 083-0032 was originally constructed in 1928 under SBI 142, Section 124B. In 1974, the structure was surfaced under F.A. Route 185, Section (124,124X)W,RS. In 1983, the structure was reconstructed under FA Route 776, Section 124 BC-DR-1, consisting of substructure widening, superstructure replacement, approach replacement, waterproofing, and overlay. The superstructure consists of a single span, 11 - 17" x 36" PPC deck beams on closed abutments with shallow foundation spread footings. The structure is 38'-0" back-to-back of abutments, no skew, and has a 33'-0" out-to-out bridge width. The structure will be replaced utilizing stage construction.

No salvage.

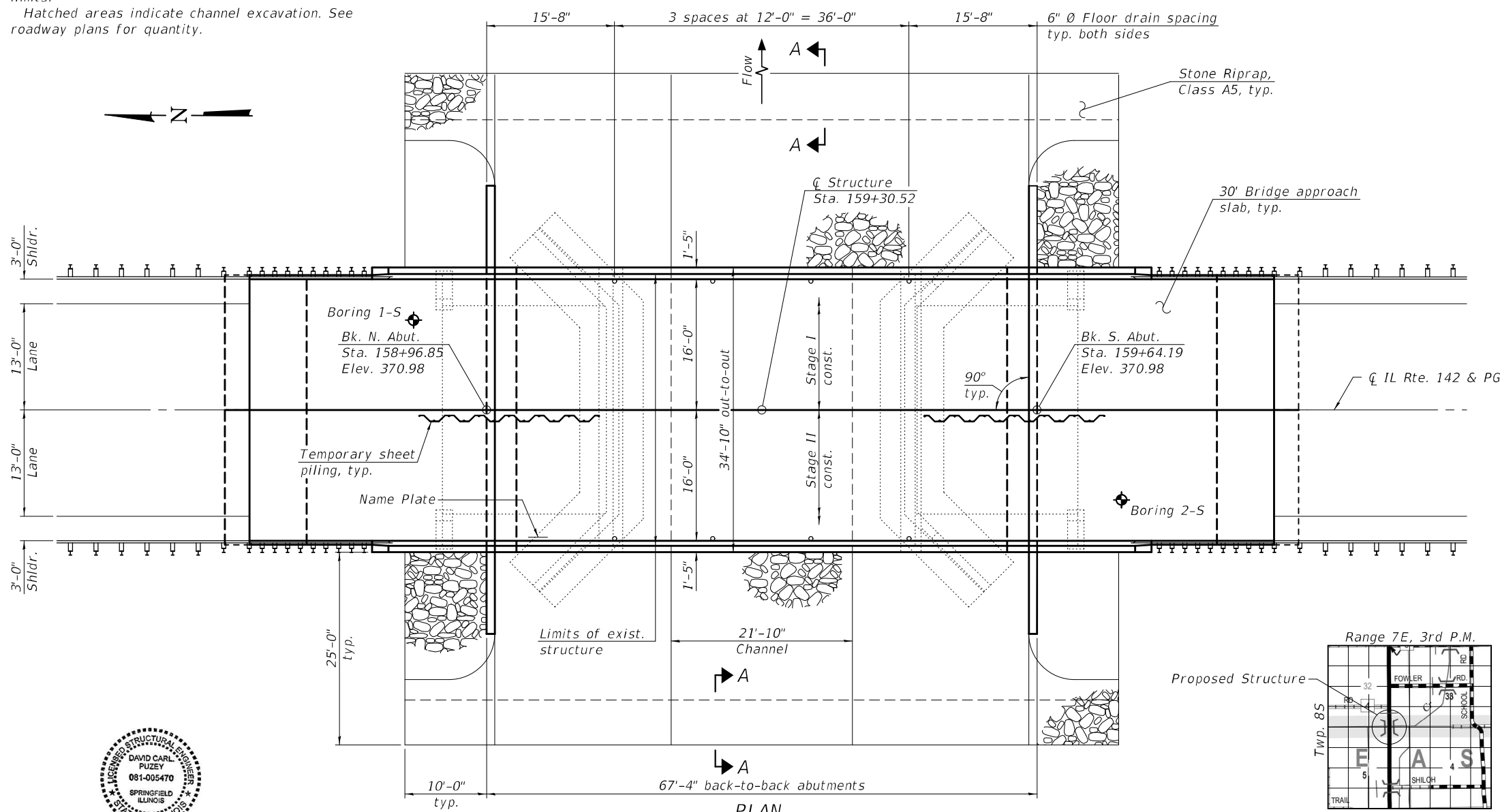
Notes:

At the direction of the District, the station equation located at Sta. 159+00.00 has temporarily been moved outside of the project limits.

Hatched areas indicate channel excavation. See roadway plans for quantity.



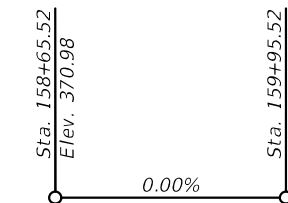
ELEVATION



PLAN

INDEX OF SHEETS

- 1 General Plan & Elevation
- 2 General Details
- 3 Temporary Sheet Piling
- 4 Stage Construction Details
- 5 Temporary Concrete Barrier for Stage Construction
- 6-8 Top of Slab Elevations
- 9-10 Top of Approach Slab Elevations
- 11 Superstructure
- 12-13 Superstructure Details
- 14 Diaphragm Details
- 15 Approach Slab
- 16 Approach Slab Details
- 17 Structural Steel
- 18 Structural Steel Details
- 19 North Abutment
- 20 South Abutment
- 21 Abutment Details
- 22 HP Pile Details
- 23 Bar Splicer Details
- 24-25 Soil Boring Logs



PROFILE GRADE
(Along \bar{C} IL Rte. 142)

DESIGN SPECIFICATIONS
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES

FIELD UNITS

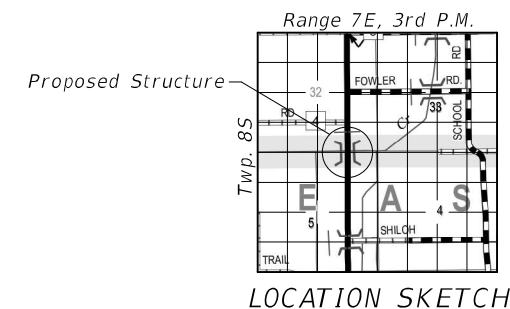
- $f'_c = 3,500$ psi (Concrete)
- $f'_c = 4,000$ psi (Superstructure Concrete)
- $f_y = 60,000$ psi (Reinforcement)
- $f_y = 50,000$ psi (M270 Grade 50)

LOADING HL-93

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

SEISMIC DATA

- Seismic Performance Zone (SPZ) = 3
- Design Spectral Acceleration at 1.0 sec. (SD1) = 0.324 g
- Design Spectral Acceleration at 0.2 sec. (SDS) = 0.766 g
- Soil Site Class = D



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ILLINOIS RTE. 142 OVER INDIAN CREEK
F.A.P. RTE. 776 - SEC. 124B-2
SALINE COUNTY
STATION 159+30.52
STRUCTURE NO. 083-0071

MODEL: 0830071-78151-001
FILE NAME: p:\w\planroom\dot\illinois\gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0830071\CADD Plans\0830071-78151.dgn



EXPIRES 11-30-2022

DESIGNED - RYAN P. NEGANGARD	EXAMINED - <i>Jay F. Ash</i>
CHECKED - TIFFANY L. MEIER	PASSED - <i>David Carl Puzey</i>
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	

DATE - 11/10/2020
REVISI -
REVISI -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

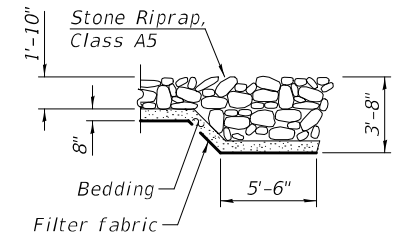
F.A.P. RTE. 776	SECTION 124B-2	COUNTY SALINE	TOTAL SHEETS 57	SHEET NO. 27
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in metallized areas. Bolts 3/4 in. Ø, holes 1 1/16 in. Ø, unless otherwise noted.
 All new structural steel shall be metallized. See Special Provisions for "Metallizing of Structural Steel".
 Calculated weight of Structural Steel = 64,670 (M270 grade 50).
 Calculated weight of Structural Steel = 6,680 (M270 grade 36).
 No field welding is permitted except as specified in the contract documents.
 Reinforcement bars designated (E) shall be epoxy coated.
 Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
 The contractor is advised that the existing PPC deck beams are in deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

TOTAL BILL OF MATERIAL

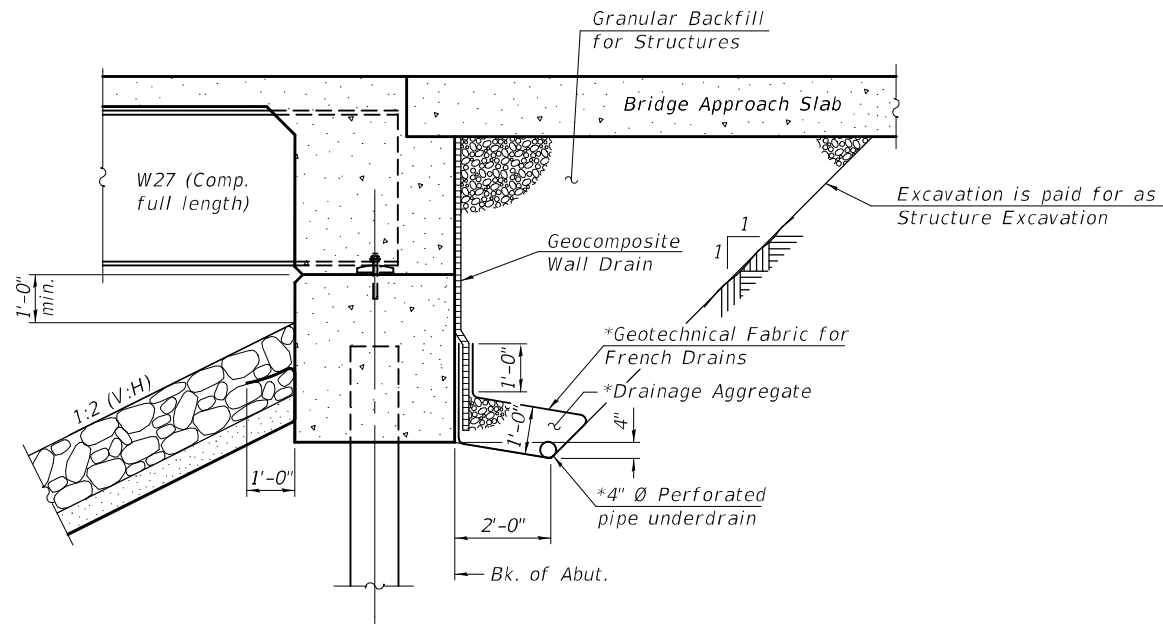
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		775	775
Filter Fabric	Sq. Yd.		775	775
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		194	194
Floor Drains	Each	8		8
Concrete Structures	Cu. Yd.		62.2	62.2
Concrete Superstructure	Cu. Yd.	107.2		107.2
Bridge Deck Grooving	Sq. Yd.	418		418
Protective Coat	Sq. Yd.	538		538
Concrete Superstructure (Approach Slab)	Cu. Yd.	95.2		95.2
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	1,176		1,176
Reinforcement Bars, Epoxy Coated	Pound	58,950	6,560	65,510
Bar Splicers	Each	406	100	506
Furnishing Steel Piles HP 12 X 53	Foot		624	624
Driving Piles	Foot		624	624
Pile Shoes	Each		12	12
Name Plates	Each	1		1
Anchor Bolts, 1"	Each	24		24
Temporary Sheet Piling	Sq. Ft.		723	723
Granular Backfill for Structures	Cu. Yd.		87	87
Geocomposite Wall Drain	Sq. Yd.		50	50
Asbestos Bearing Pad Removal	Each	28		28
Pipe Underdrains for Structures 4"	Foot		129	129



SECTION A-A

STATION 159 + 30.52
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.P. RTE 776 SEC. 124B-2
 LOADING HL-93
 STRUCTURE NO. 083-0071

NAME PLATE
 See Std. 515001



SECTION THRU INTEGRAL ABUTMENT

*Included in the cost of Pipe Underdrains for Structures.
 (See Special Provisions)

Note:

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

WATERWAY INFORMATION

Drainage Area = 71.4 mi.² Existing & Proposed Low Grade Elev. 368.23 @ Sta. 82+00

Flood	Freq. Yr.	Structure Number	Q (C.F.S.)		Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Overtopping	*10	083-0032	538	538	130	293	364.7	0.7	0.3	365.4	365.0
	32	083-0031	10,180	9,659	1,169	1,169	366.0	2.6	2.5	368.6	368.5
		083-0032	1,660	2,181	173	363					
		Total	11,840		1,342	1,532					
Design	50	083-0031	11,670	10,591	1,307	1,307	367.2	2.1	2.1	369.3	369.3
		083-0032	1,300	2,379	214	434					
		Total	12,970		1,521	1,741					
Base	100	083-0031	14,224	13,676	1,307	1,307	369.5	0.2	0.2	369.7	369.7
		083-0032	806	1,354	271	461					
		Total	15,030		1,578	1,768					

* 083-0032 modeled individually for 10 year frequency

Existing 10 year velocity = 4.1 ft/s
 Proposed 10 year velocity = 1.8 ft/s

DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)		
	N. Abut.	S. Abut.	Item 113
Q100	363.73	363.73	8
Q200	363.73	363.73	
Design	363.73	363.73	
Check	363.73	363.73	

MODEL: 0830071-78151-002
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DESIGNED - RYAN P. NEGANGARD	EXAMINED - <i>Joanne F. Joffe</i>	DATE - NOVEMBER 10, 2020
CHECKED - TIFFANY L. MEIER	PASSED - <i>Carl King</i>	REVISER -
DRAWN - GLENN W. STOVER	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -
CHECKED - R.P.N./T.L.M./G.R.A.		

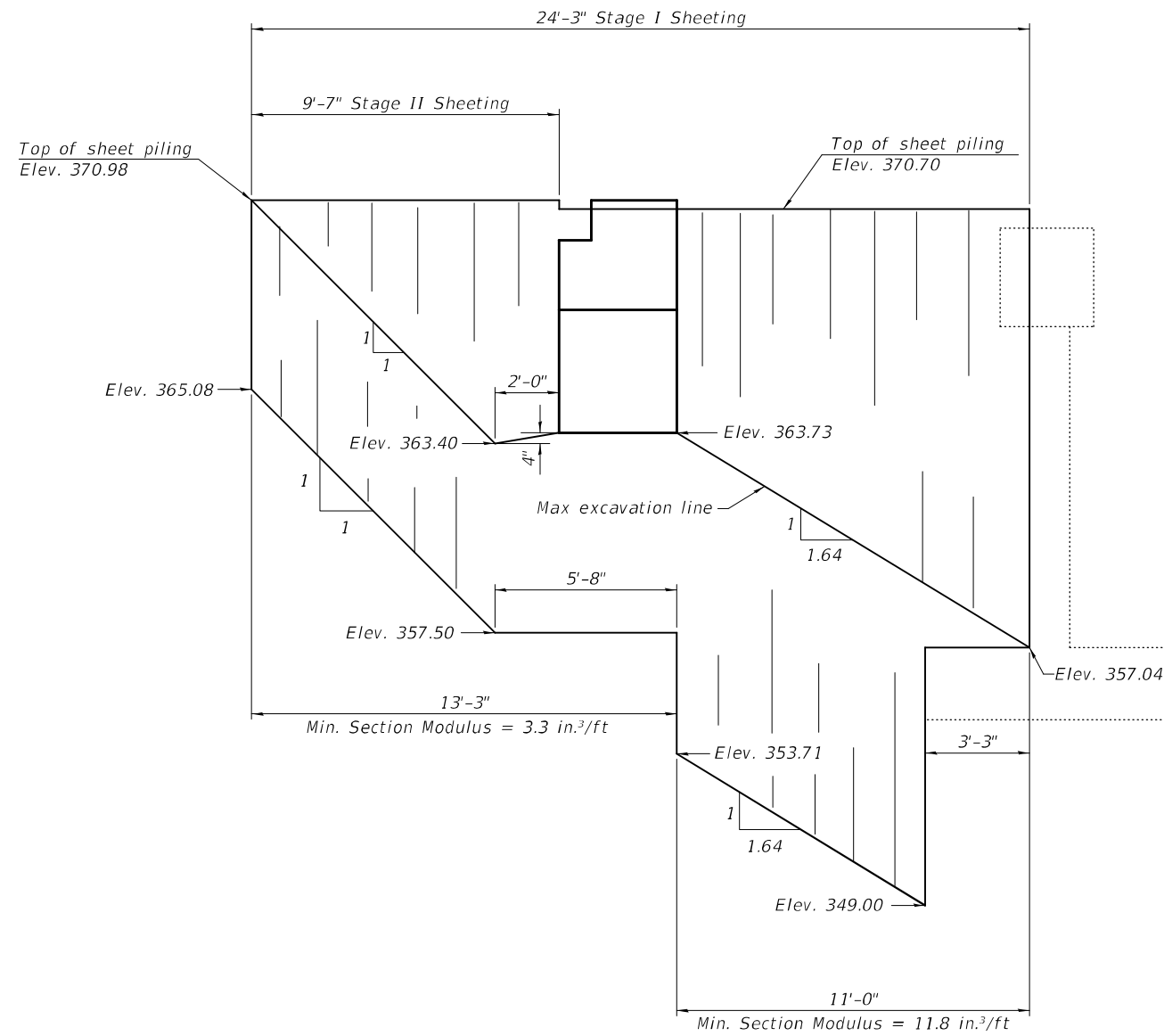
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DETAILS
 STRUCTURE NO. 083-0071**

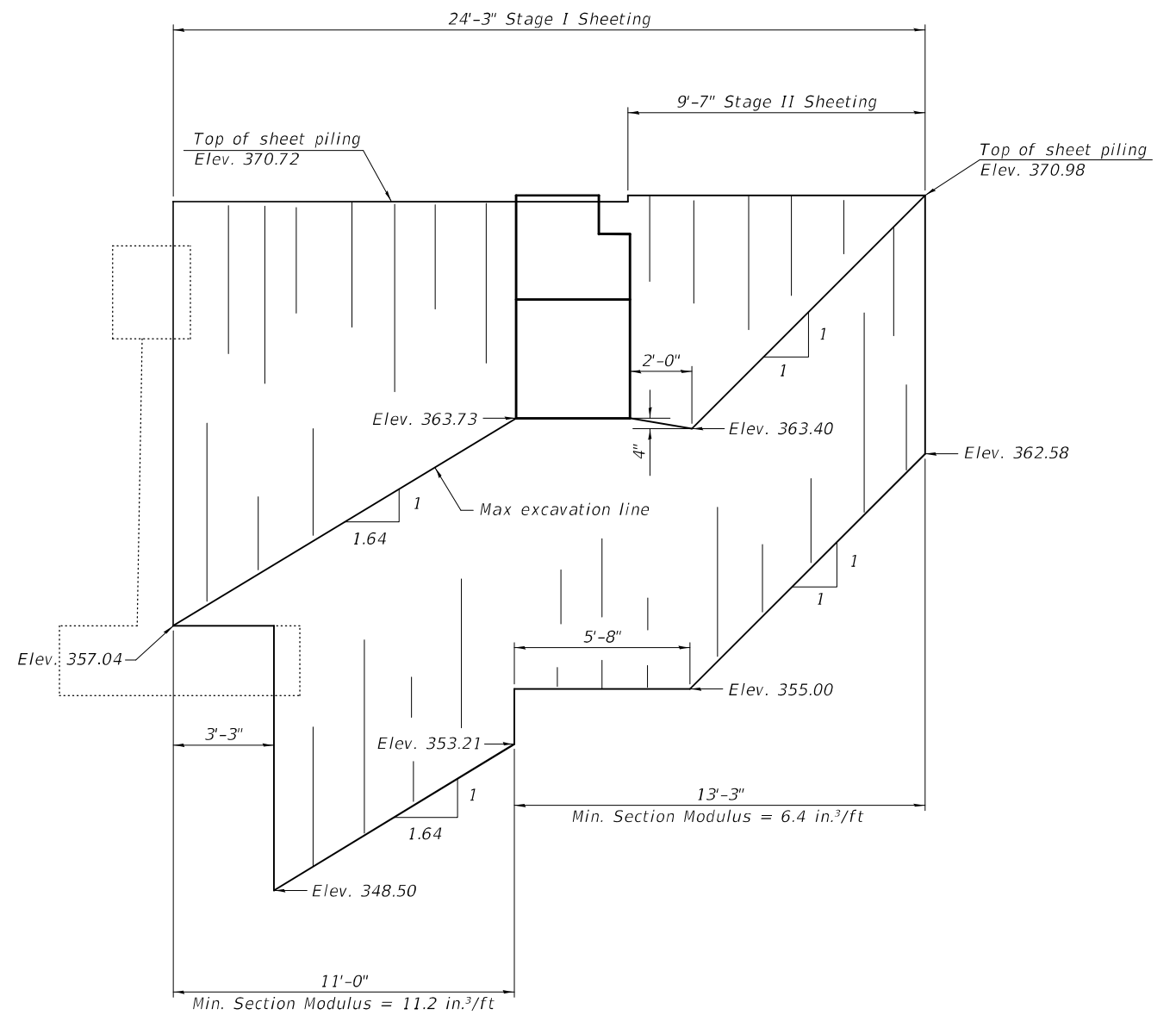
SHEET 2 OF 25 SHEETS

F.A.P. RTE. 776	SECTION 124B-2	COUNTY SALINE	TOTAL SHEETS 57	SHEET NO. 28
ILLINOIS		FED. AID PROJECT		

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Temporary Sheet Piling
 (North Abutment looking East)

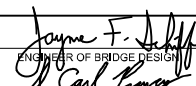



Temporary Sheet Piling
 (South Abutment looking East)

Notes:

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

DESIGNED - RYAN P. NEGANGARD	EXAMINED
CHECKED - TIFFANY L. MEIER	PASSED
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	


 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

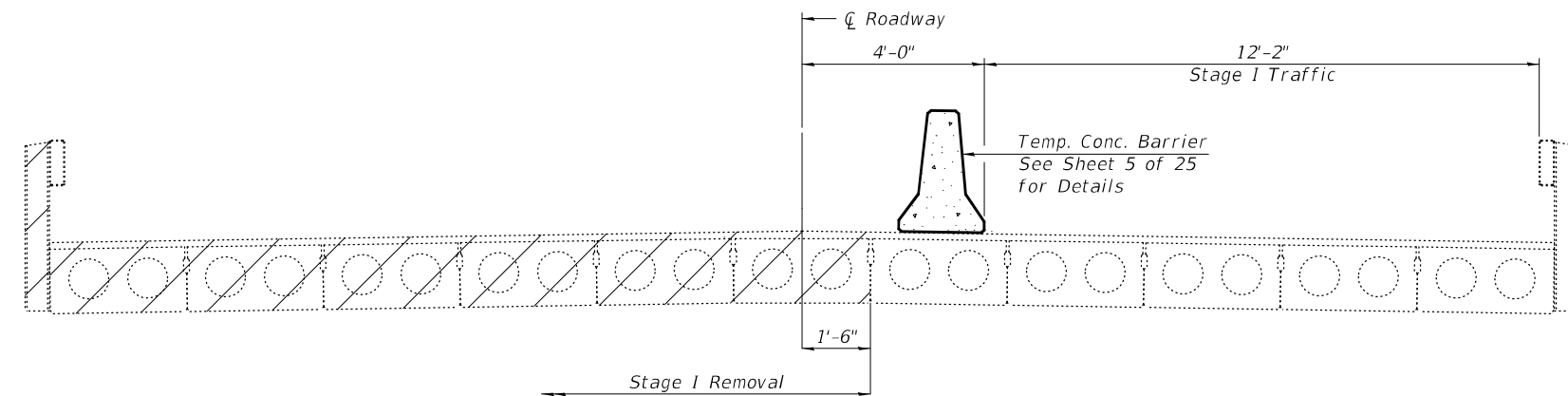
DATE - NOVEMBER 10, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

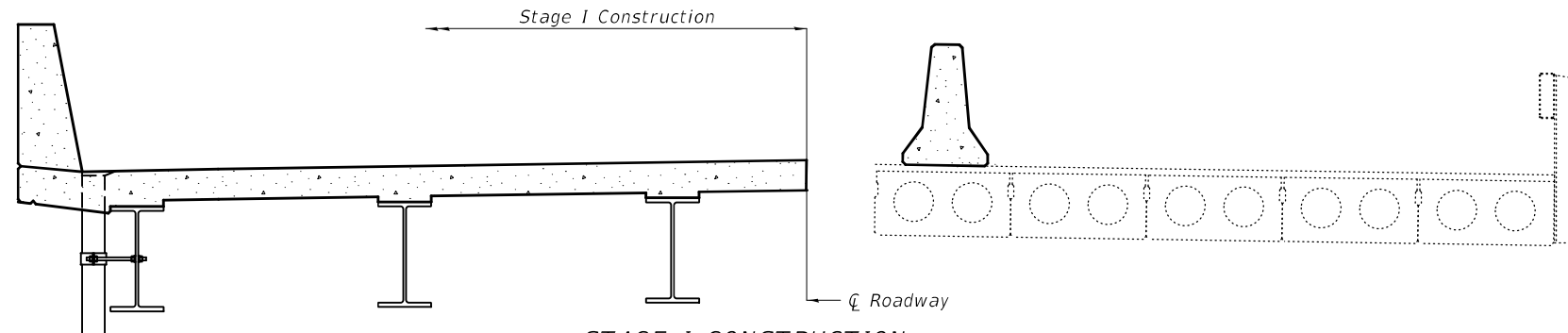
TEMPORARY SHEET PILING
STRUCTURE NO. 083-0071

SHEET 3 OF 25 SHEETS

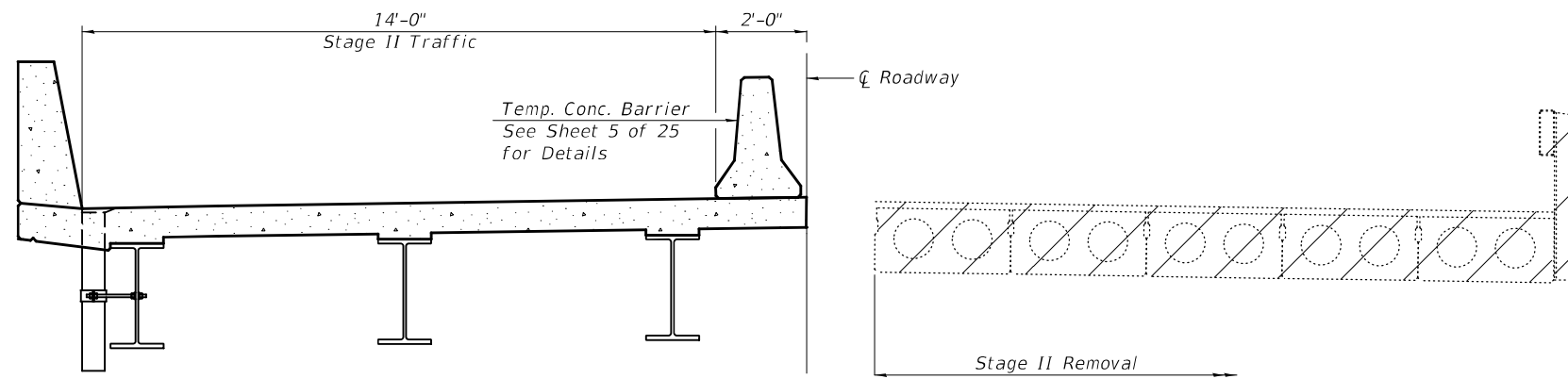
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	29
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		



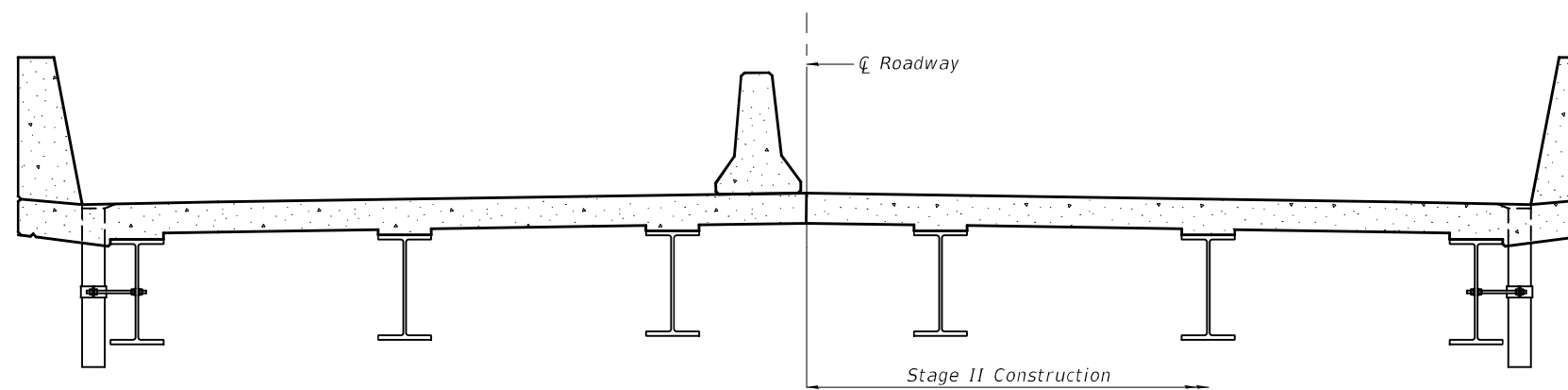
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION

Notes:
 All Staging cross sections are looking South.
 Hatched areas indicate removal of existing structure.
 For quantity of Temporary Concrete Barrier, see
 roadway plans.

MODEL: 0830071-78151-004
 FILE NAME: p:\v\lanroom.doi.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0830071\CADD Plans\0830071-78151.dgn

DESIGNED - RYAN P. NEGANGARD	EXAMINED
CHECKED - TIFFANY L. MEIER	PASSED
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	

EXAMINED
 PASSED
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - NOVEMBER 10, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

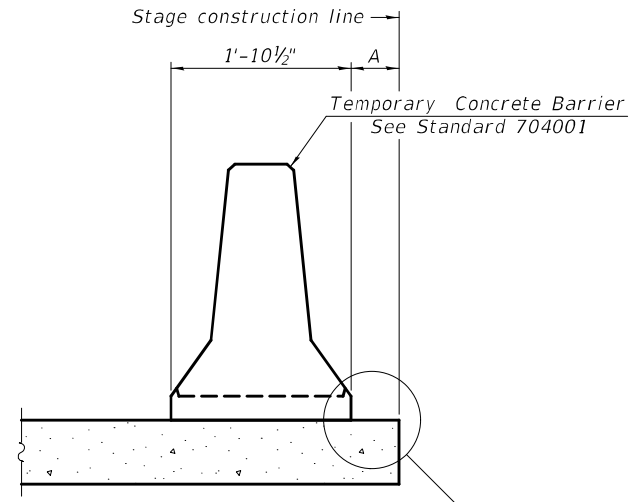
STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 083-0071

SHEET 4 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	30
CONTRACT NO. 78151				
		ILLINOIS	FED. AID PROJECT	

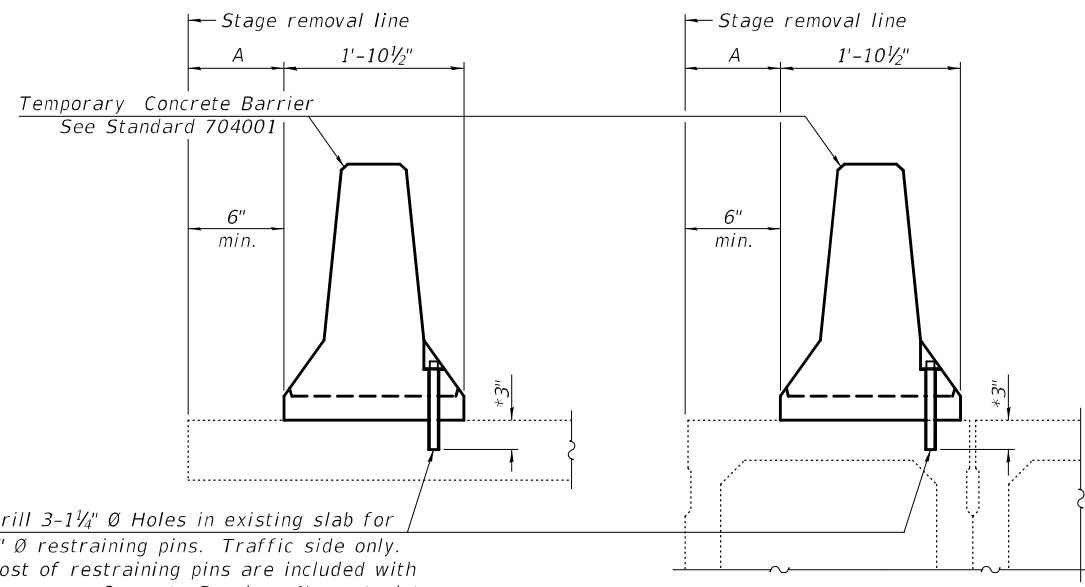
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When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



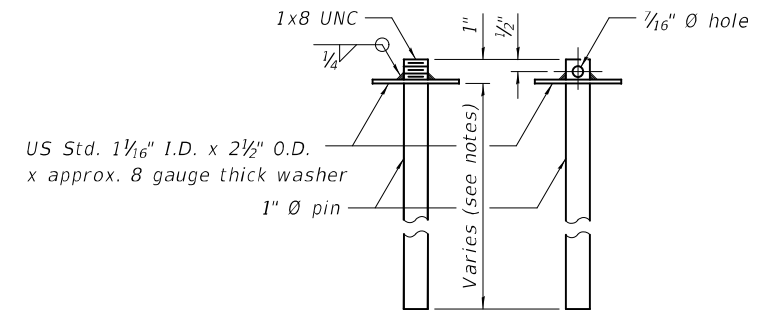
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

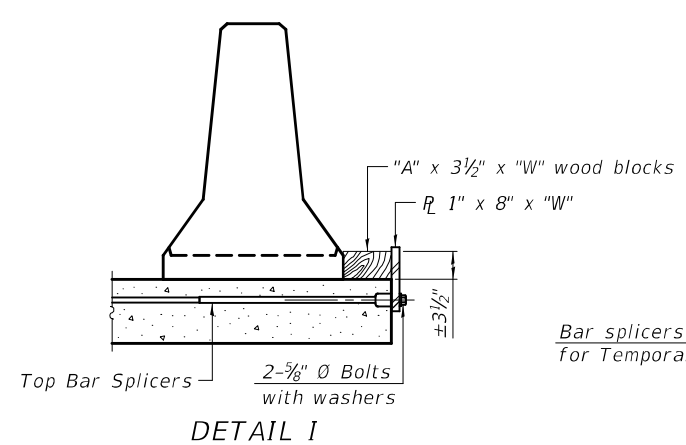
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

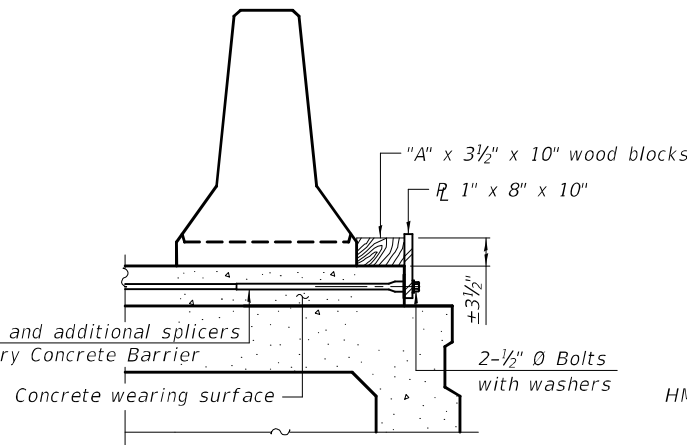
SECTIONS THRU SLAB OR DECK BEAM



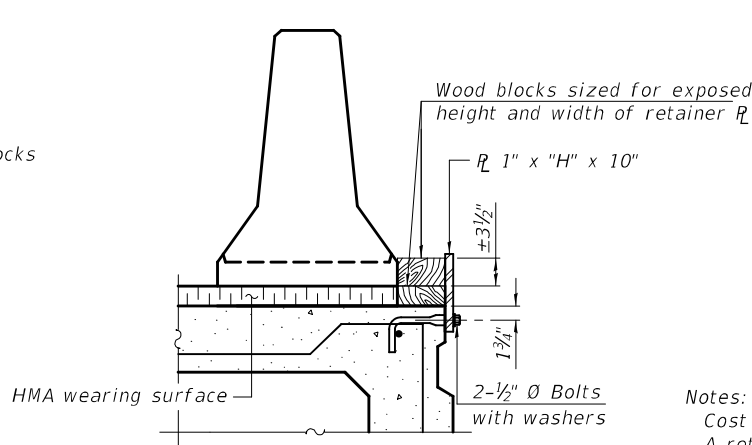
RESTRAINING PIN



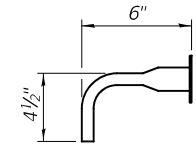
DETAIL I



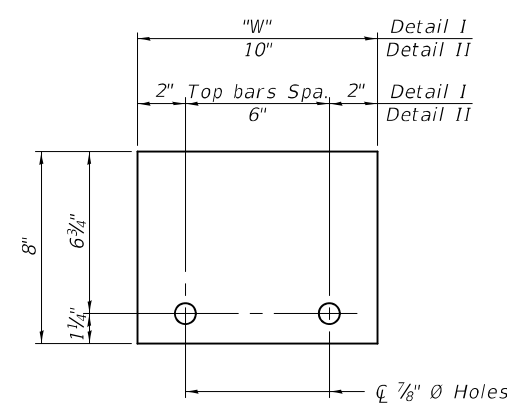
DETAIL II



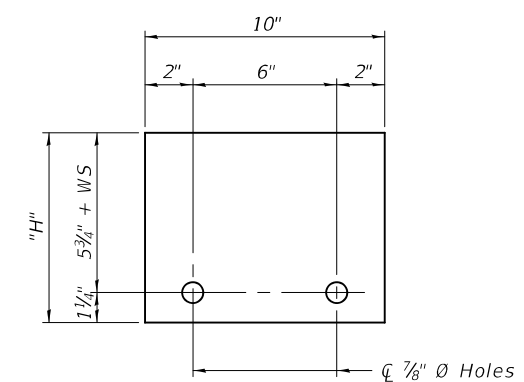
DETAIL III



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 center 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.

R-27 2-17-2017

DESIGNED	- RYAN P. NEGANGARD
CHECKED	- TIFFANY L. MEIER
DRAWN	- GLENN W. STOVER
CHECKED	- R.P.N./T.L.M./G.R.A.

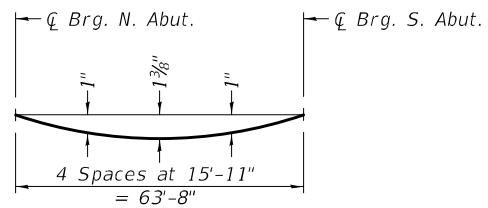
EXAMINED	<i>Jaime F. Joffe</i>	DATE	- NOVEMBER 10, 2020
PASSED	<i>Carl Kasper</i>	REVISED	-
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 083-0071**

SHEET 5 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	31
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		

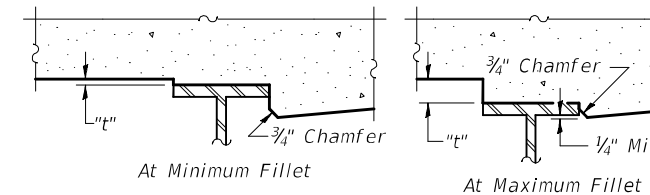


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

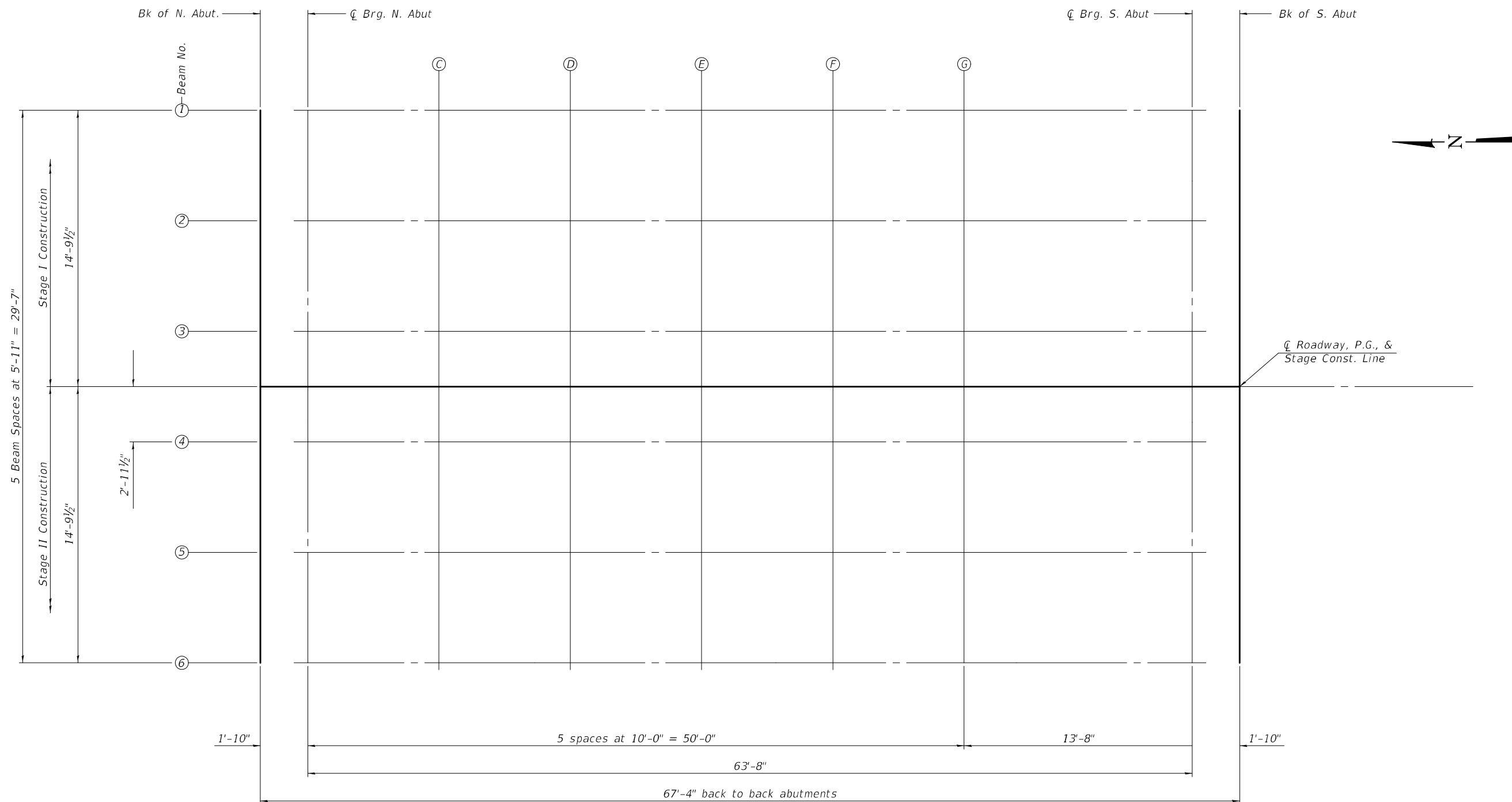
Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 7 thru 8 of 25.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 7 thru 8 of 25, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

MODEL: 0830071-78151-006
FILE NAME: p:\planroom\dot.illinois.gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0830071\CADD Plans\0830071-78151.dgn

DESIGNED	- RYAN P. NEGANGARD
CHECKED	- TIFFANY L. MEIER
DRAWN	- GLENN W. STOVER
CHECKED	- R.P.N./T.L.M./G.R.A.

EXAMINED	
PASSED	

DATE	- NOVEMBER 10, 2020
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 083-0071**

SHEET 6 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	32
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of N. Abut.	158+96.85	-14.79	370.75	370.75
Q Brg. N. Abut.	158+98.69	-14.79	370.75	370.75
C	159+08.69	-14.79	370.75	370.80
D	159+18.69	-14.79	370.75	370.84
E	159+28.69	-14.79	370.75	370.86
F	159+38.69	-14.79	370.75	370.85
G	159+48.69	-14.79	370.75	370.82
Q Brg. S. Abut.	159+62.35	-14.79	370.75	370.75
Bk. of S. Abut.	159+64.19	-14.79	370.75	370.75

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of N. Abut.	158+96.85	-8.88	370.85	370.85
Q Brg. N. Abut.	158+98.69	-8.88	370.85	370.85
C	159+08.69	-8.88	370.85	370.90
D	159+18.69	-8.88	370.85	370.94
E	159+28.69	-8.88	370.85	370.96
F	159+38.69	-8.88	370.85	370.95
G	159+48.69	-8.88	370.85	370.92
Q Brg. S. Abut.	159+62.35	-8.88	370.85	370.85
Bk. of S. Abut.	159+64.19	-8.88	370.85	370.85

BEAM 3

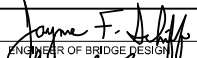

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of N. Abut.	158+96.85	-2.96	370.94	370.94
Q Brg. N. Abut.	158+98.69	-2.96	370.94	370.94
C	159+08.69	-2.96	370.94	370.99
D	159+18.69	-2.96	370.94	371.03
E	159+28.69	-2.96	370.94	371.05
F	159+38.69	-2.96	370.94	371.03
G	159+48.69	-2.96	370.94	371.01
Q Brg. S. Abut.	159+62.35	-2.96	370.94	370.94
Bk. of S. Abut.	159+64.19	-2.96	370.94	370.94

Q ROADWAY, P.G., & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of N. Abut.	158+96.85	0.00	370.98	370.98
Q Brg. N. Abut.	158+98.69	0.00	370.98	370.98
C	159+08.69	0.00	370.98	371.03
D	159+18.69	0.00	370.98	371.07
E	159+28.69	0.00	370.98	371.09
F	159+38.69	0.00	370.98	371.08
G	159+48.69	0.00	370.98	371.05
Q Brg. S. Abut.	159+62.35	0.00	370.98	370.98
Bk. of S. Abut.	159+64.19	0.00	370.98	370.98

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DESIGNED	- RYAN P. NEGANGARD
CHECKED	- TIFFANY L. MEIER
DRAWN	- GLENN W. STOVER
CHECKED	- R.P.N./T.L.M./G.R.A.

EXAMINED	
PASSED	
	ENGINEER OF BRIDGES AND STRUCTURES

DATE	- NOVEMBER 10, 2020
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 083-0071**

SHEET 7 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	33
			CONTRACT NO. 78151	
		ILLINOIS	FED. AID PROJECT	

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of N. Abut.	158+96.85	2.96	370.94	370.94
☒ Brg. N. Abut.	158+98.69	2.96	370.94	370.94
C	159+08.69	2.96	370.94	370.99
D	159+18.69	2.96	370.94	371.03
E	159+28.69	2.96	370.94	371.05
F	159+38.69	2.96	370.94	371.03
G	159+48.69	2.96	370.94	371.01
☒ Brg. S. Abut.	159+62.35	2.96	370.94	370.94
Bk. of S. Abut.	159+64.19	2.96	370.94	370.94

BEAM 5

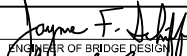

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of N. Abut.	158+96.85	8.88	370.85	370.85
☒ Brg. N. Abut.	158+98.69	8.88	370.85	370.85
C	159+08.69	8.88	370.85	370.90
D	159+18.69	8.88	370.85	370.94
E	159+28.69	8.88	370.85	370.96
F	159+38.69	8.88	370.85	370.95
G	159+48.69	8.88	370.85	370.92
☒ Brg. S. Abut.	159+62.35	8.88	370.85	370.85
Bk. of S. Abut.	159+64.19	8.88	370.85	370.85

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of N. Abut.	158+96.85	14.79	370.75	370.75
☒ Brg. N. Abut.	158+98.69	14.79	370.75	370.75
C	159+08.69	14.79	370.75	370.80
D	159+18.69	14.79	370.75	370.84
E	159+28.69	14.79	370.75	370.86
F	159+38.69	14.79	370.75	370.85
G	159+48.69	14.79	370.75	370.82
☒ Brg. S. Abut.	159+62.35	14.79	370.75	370.75
Bk. of S. Abut.	159+64.19	14.79	370.75	370.75

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DESIGNED - RYAN P. NEGANGARD
CHECKED - TIFFANY L. MEIER
DRAWN - GLENN W. STOVER
CHECKED - R.P.N./T.L.M./G.R.A.

EXAMINED	 ENGINEER OF BRIDGE DESIGN
PASSED	 ENGINEER OF BRIDGES AND STRUCTURES

DATE - NOVEMBER 10, 2020
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
 STRUCTURE NO. 083-0071**

SHEET 8 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	34
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr.	158+67.85	-16.00	370.73
A	158+77.85	-16.00	370.73
B	158+87.85	-16.00	370.73
S. End of N. Appr.	158+97.85	-16.00	370.73

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr.	158+67.85	-13.00	370.79
A	158+77.85	-13.00	370.79
B	158+87.85	-13.00	370.79
S. End of N. Appr.	158+97.85	-13.00	370.79

℄ ROADWAY, P.G., & STAGE CONSTRUCTION JOINT

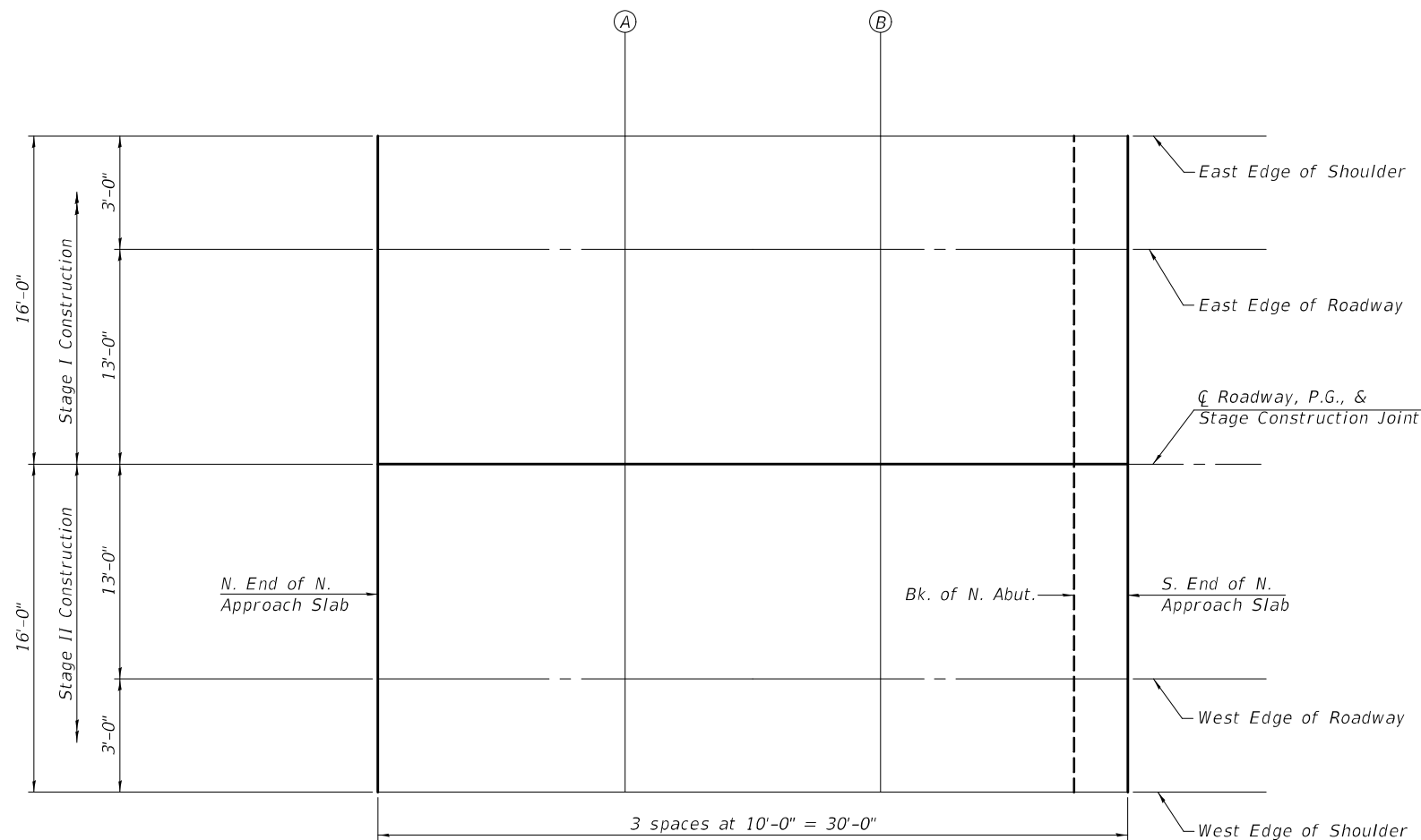
Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr.	158+67.85	0.00	370.98
A	158+77.85	0.00	370.98
B	158+87.85	0.00	370.98
S. End of N. Appr.	158+97.85	0.00	370.98

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr.	158+67.85	13.00	370.79
A	158+77.85	13.00	370.79
B	158+87.85	13.00	370.79
S. End of N. Appr.	158+97.85	13.00	370.79

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr.	158+67.85	16.00	370.73
A	158+77.85	16.00	370.73
B	158+87.85	16.00	370.73
S. End of N. Appr.	158+97.85	16.00	370.73



PLAN

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DESIGNED - RYAN P. NEGANGARD	EXAMINED - <i>Joanne F. Joffe</i>	DATE - NOVEMBER 10, 2020
CHECKED - TIFFANY L. MEIER	PASSED - <i>Carl Kasper</i>	REVISER -
DRAWN - GLENN W. STOVER	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -
CHECKED - R.P.N./T.L.M./G.R.A.		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATION
STRUCTURE NO. 083-0071**

SHEET 9 OF 25 SHEETS

F.A.P. RTE. 776	SECTION 124B-2	COUNTY SALINE	TOTAL SHEETS 57	SHEET NO. 35
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				

EAST EDGE OF SHOULDER

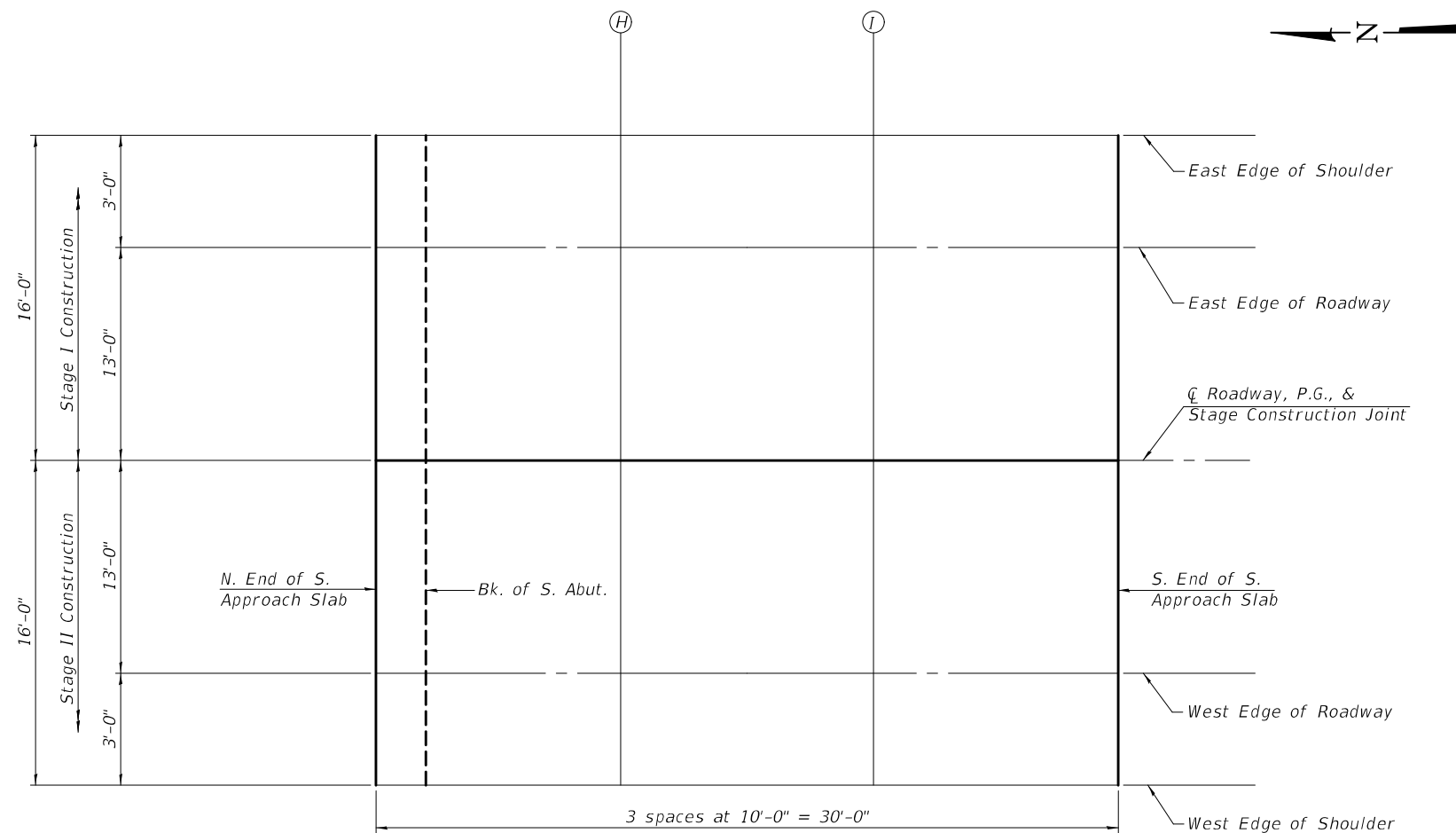
Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	159+63.19	-16.00	370.73
H	159+73.19	-16.00	370.73
I	159+83.19	-16.00	370.73
S. End of S. Appr.	159+93.19	-16.00	370.73

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	159+63.19	-13.00	370.79
H	159+73.19	-13.00	370.79
I	159+83.19	-13.00	370.79
S. End of S. Appr.	159+93.19	-13.00	370.79

☐ ROADWAY, P.G., & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	159+63.19	0.00	370.98
H	159+73.19	0.00	370.98
I	159+83.19	0.00	370.98
S. End of S. Appr.	159+93.19	0.00	370.98



WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	159+63.19	13.00	370.79
H	159+73.19	13.00	370.79
I	159+83.19	13.00	370.79
S. End of S. Appr.	159+93.19	13.00	370.79

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	159+63.19	16.00	370.73
H	159+73.19	16.00	370.73
I	159+83.19	16.00	370.73
S. End of S. Appr.	159+93.19	16.00	370.73

PLAN

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DESIGNED - RYAN P. NEGANGARD	EXAMINED
CHECKED - TIFFANY L. MEIER	PASSED
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	

DATE - NOVEMBER 10, 2020
 ENGINEER OF BRIDGE DESIGN
 ENGINEER OF BRIDGES AND STRUCTURES

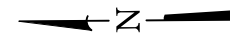
REVISIONS	
REVISIONS	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
 STRUCTURE NO. 083-0071

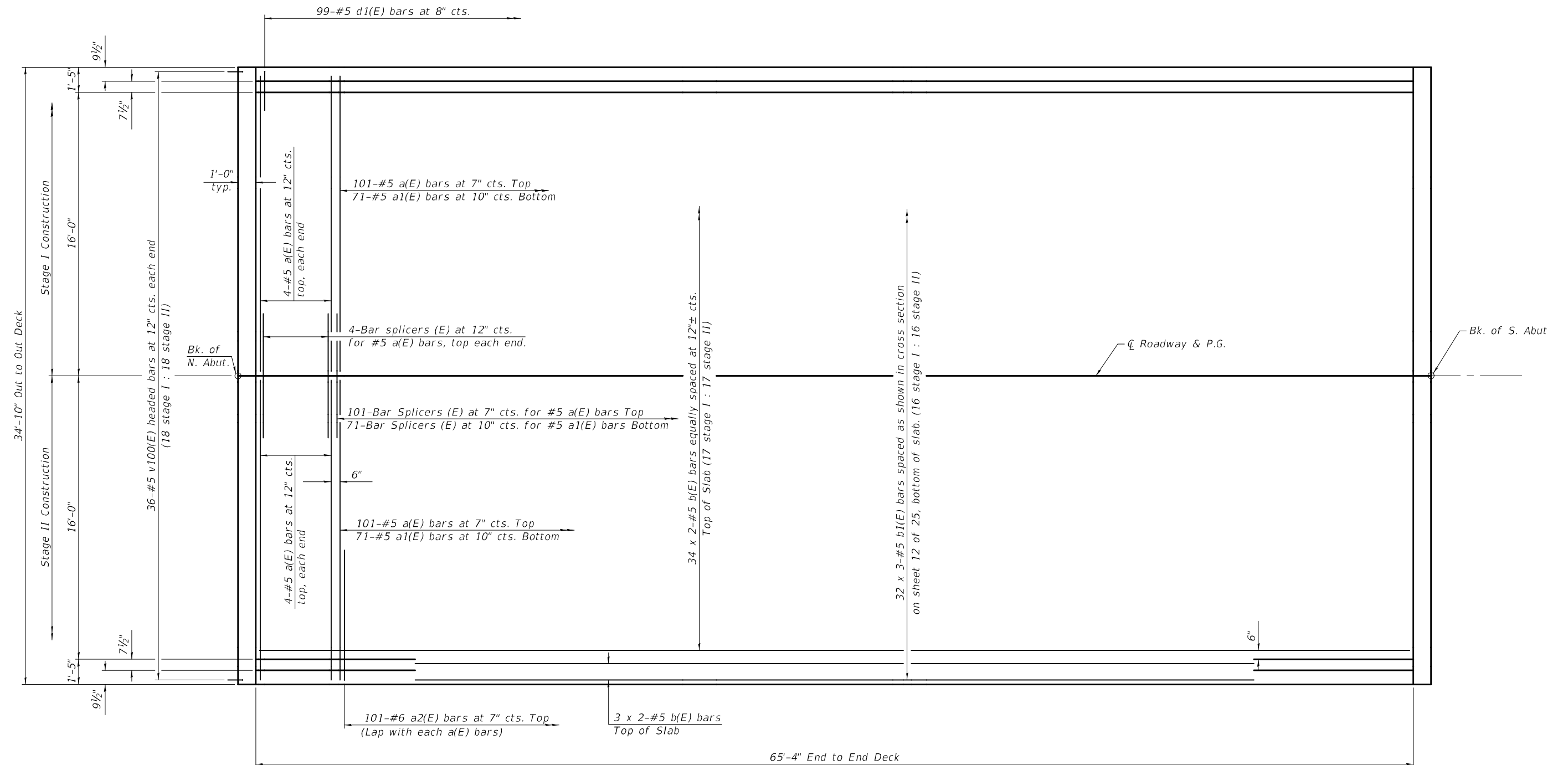
SHEET 10 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	36
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		



MIN. BAR LAP
#5 bar = 3'-6"

Notes:
See sheets 12 thru 13 of 25 for Superstructure details and Bill of Material.
Bars indicated thus 32 x 3-#5 etc. indicates 32 lines of bars with 3 lengths per line.



PLAN

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FILE NAME: p:\planroom\dot.illinois.gov\PWDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0830071\CADD Plans\0830071-78151.dgn

DESIGNED	- RYAN P. NEGANGARD
CHECKED	- TIFFANY L. MEIER
DRAWN	- GLENN W. STOVER
CHECKED	- R.P.N./T.L.M./G.R.A.

EXAMINED	<i>Joanne F. [Signature]</i>
PASSED	<i>Carl [Signature]</i>

DATE	- NOVEMBER 10, 2020
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

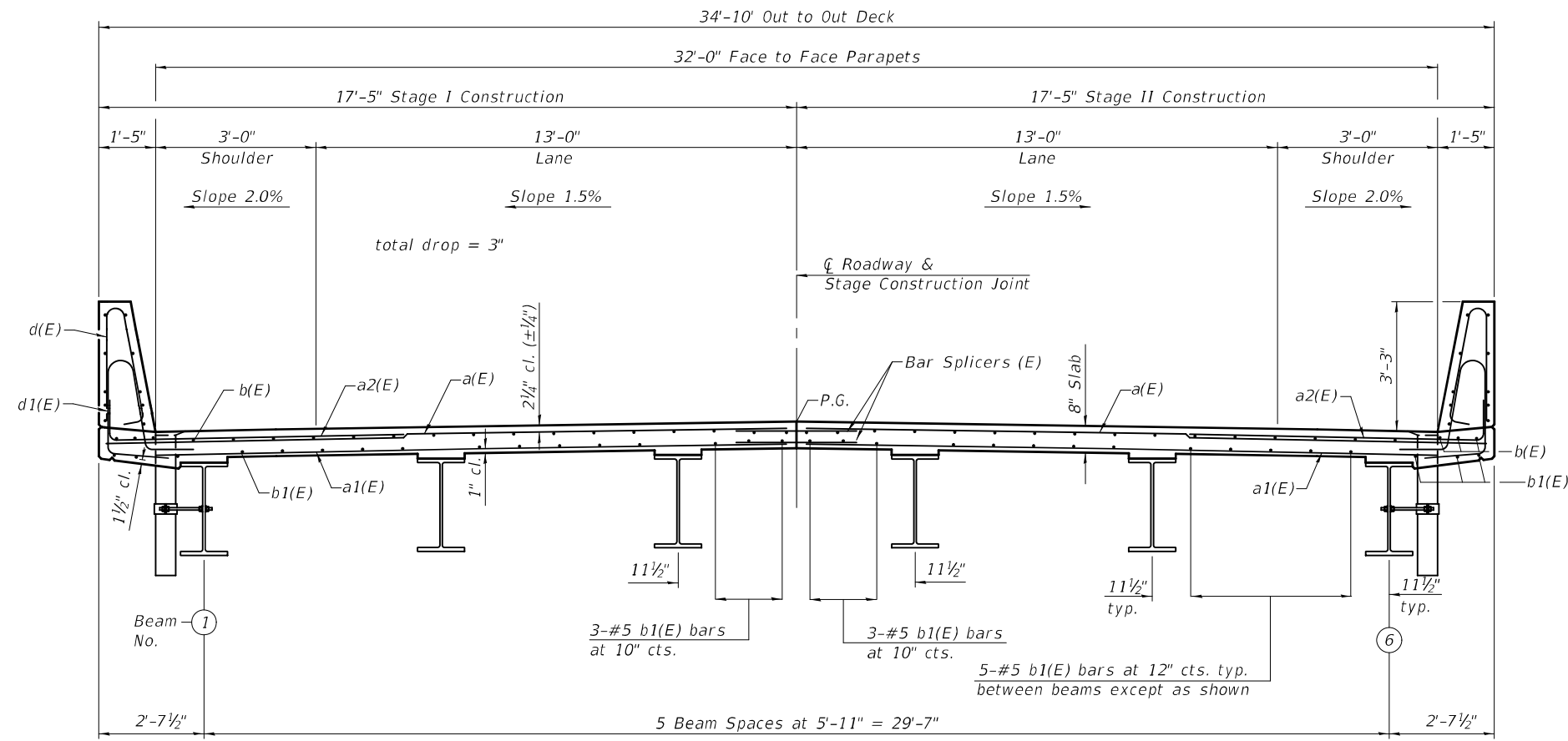
**SUPERSTRUCTURE
STRUCTURE NO. 083-0071**

SHEET 11 OF 25 SHEETS

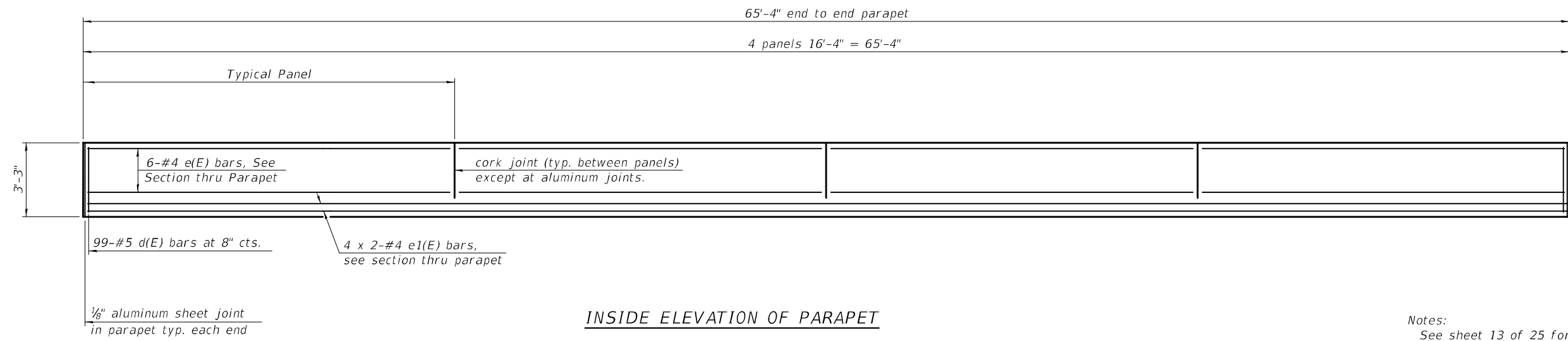
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	37
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		

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CROSS SECTION
 (Looking South)



INSIDE ELEVATION OF PARAPET

MIN. BAR LAP
 #4 bar = 2'-5"

Notes:
 See sheet 13 of 25 for Bar details and Bill of Material.
 Bars indicated thus 4 x 2-#4 etc. indicates 4 lines of bars with 2 lengths per line.

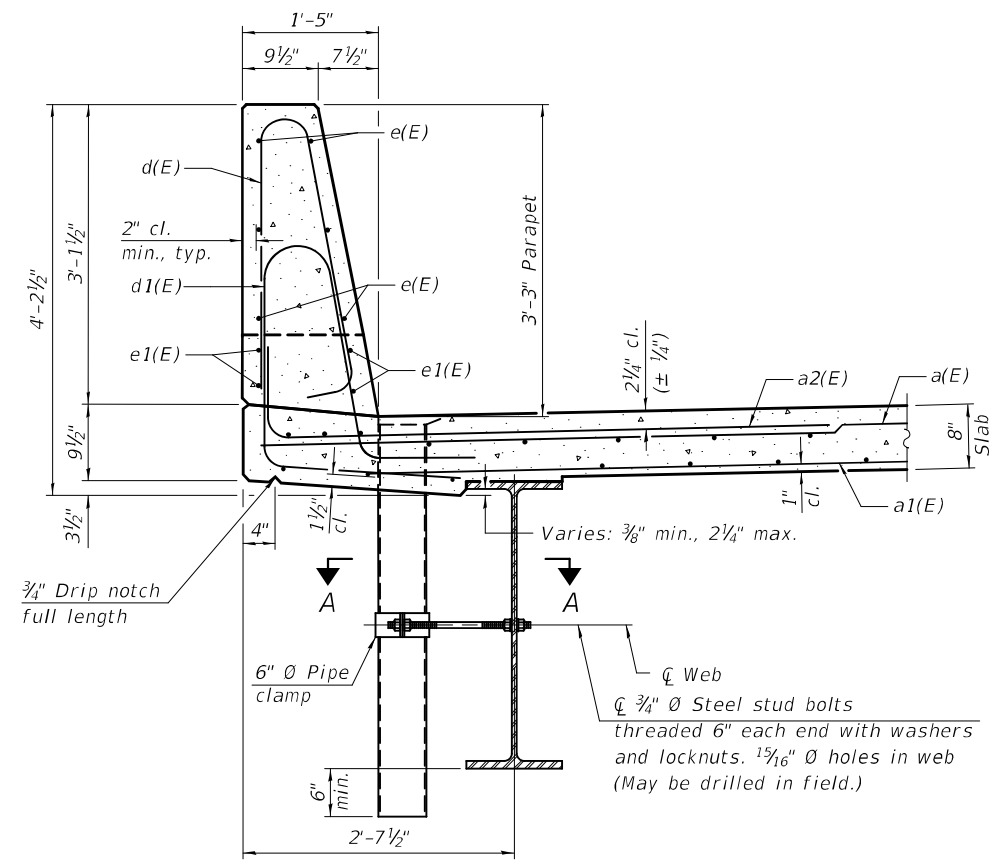
DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - NOVEMBER 10, 2020
CHECKED - TIFFANY L. MEIER	<i>Joanne F. [Signature]</i>	
DRAWN - GLENN W. STOVER	ENGINEER OF BRIDGE DESIGN	
CHECKED - R.P.N./T.L.M./G.R.A.	PASSED	REVISER -
	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

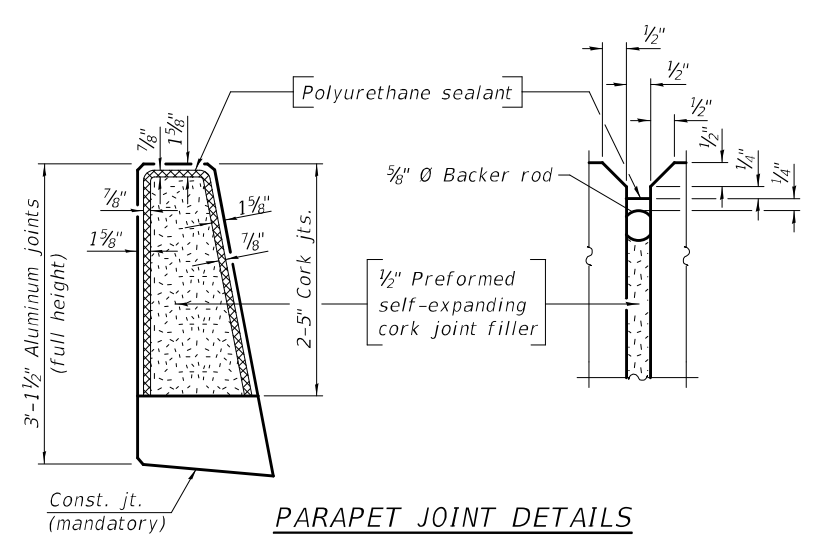
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 083-0071
 SHEET 12 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	38
			CONTRACT NO. 78151	
		ILLINOIS	FED. AID PROJECT	

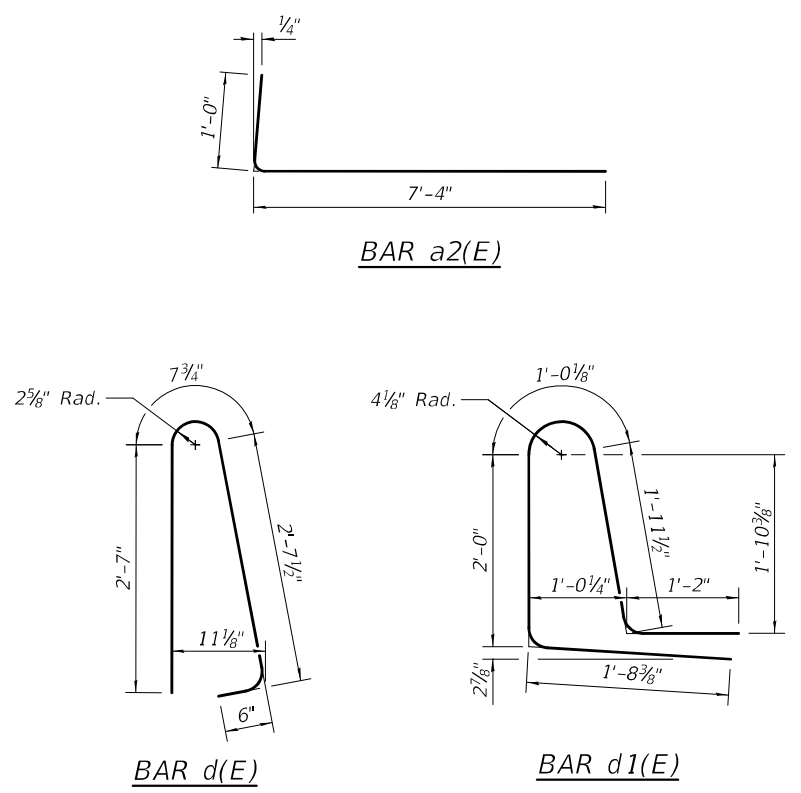
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SECTION THRU PARAPET



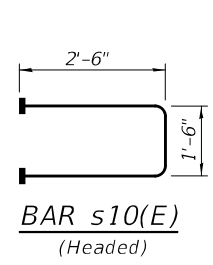
PARAPET JOINT DETAILS



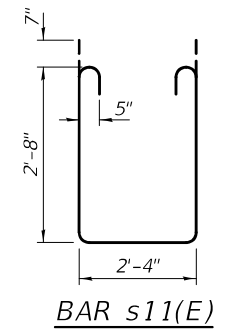
BAR a2(E)

BAR d(E)

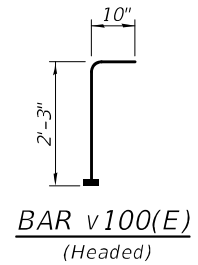
BAR d1(E)



**BAR s10(E)
(Headed)**



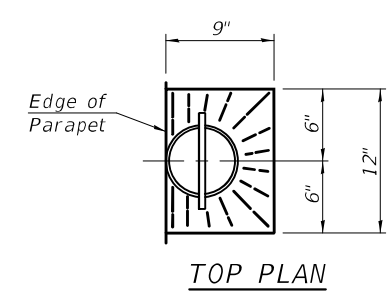
BAR s11(E)



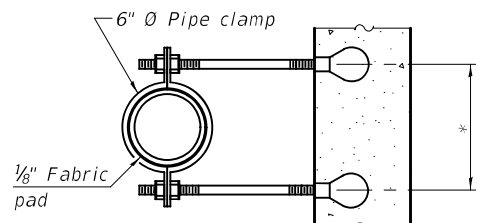
**BAR v100(E)
(Headed)**

**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	218	#5	17'-1"	—
a1(E)	142	#5	16'-3"	—
a2(E)	202	#6	8'-4"	└
b(E)	80	#5	34'-3"	—
b1(E)	96	#5	24'-0"	—
d(E)	198	#5	6'-5"	└
d1(E)	198	#5	7'-10"	└
e(E)	48	#4	16'-0"	—
e1(E)	16	#4	33'-9"	—
m10(E)	16	#6	17'-1"	—
m11(E)	24	#6	5'-7"	—
m12(E)	12	#6	2'-3"	—
s10(E)	64	#5	6'-6"	└
s11(E)	64	#5	8'-10"	└
v100(E)	72	#5	3'-1"	└
Reinforcement Bars, Epoxy Coated			Pound	19,800
Concrete Superstructure			Cu. Yds.	99.4

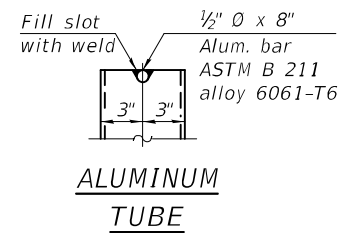


TOP PLAN

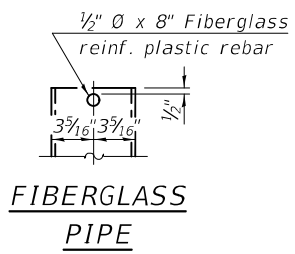


SECTION A-A

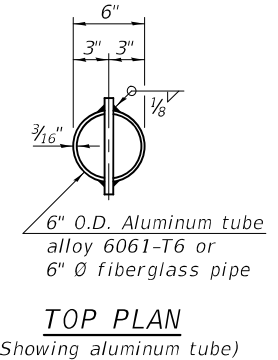
*Dimension as required by pipe clamp



**ALUMINUM
TUBE**



**FIBERGLASS
PIPE**



**TOP PLAN
(Showing aluminum tube)**

Notes:
 Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coatings Spec. SSPC-SP1 prior to painting.
 The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete. The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
 The 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.

DESIGNED - RYAN P. NEGANGARD	EXAMINED - <i>Joanne F. Joffe</i>	DATE - NOVEMBER 10, 2020
CHECKED - TIFFANY L. MEIER	PASSED - <i>Carl Kasper</i>	REVISIONS -
DRAWN - GLENN W. STOVER	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS -
CHECKED - R.P.N./T.L.M./G.R.A.		

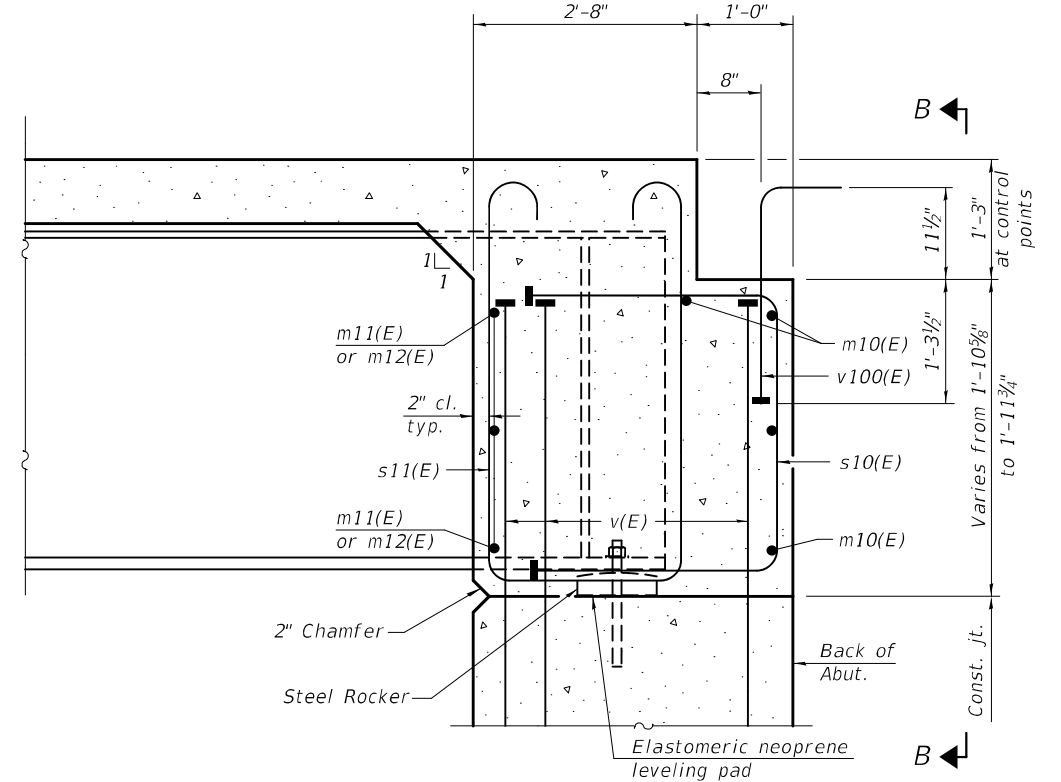
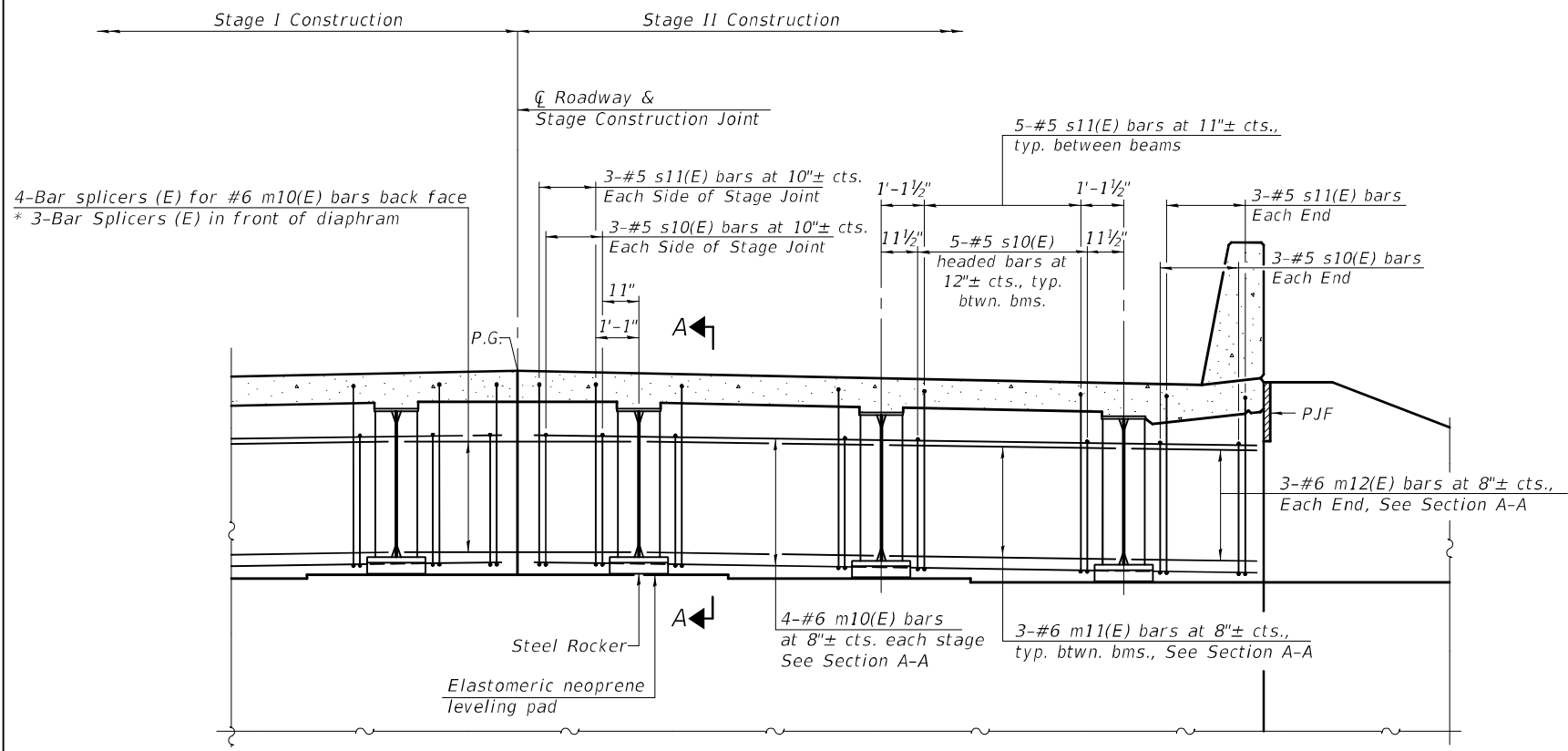
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 083-0071**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	39
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		

SHEET 13 OF 25 SHEETS

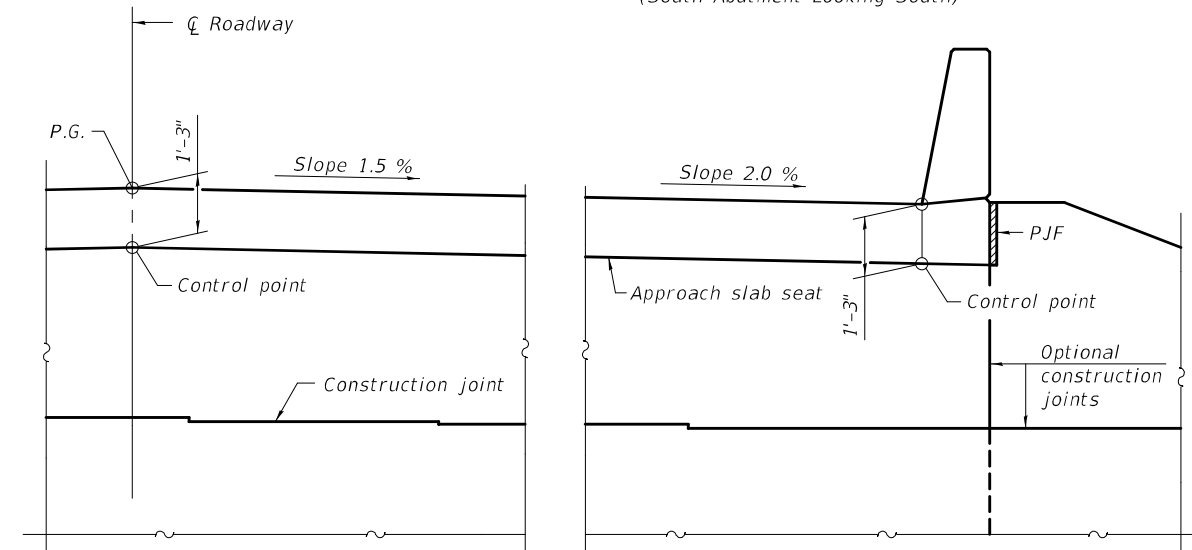
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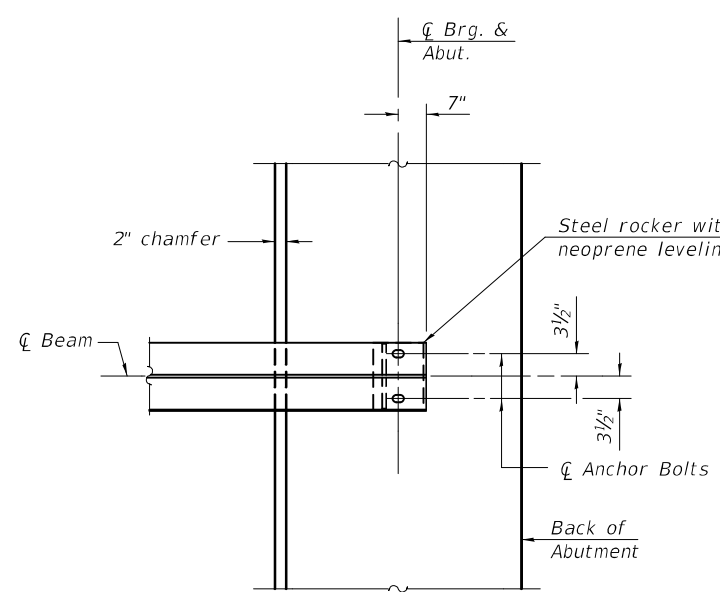
SECTION A-A

DIAPHRAGM AT ABUTMENT
 (South Abutment Looking South)

* See sheet 23 of 25 for detail of bar splicer in front face of diaphragm



VIEW B-B



PLAN AT ABUTMENT
 (Showing bottom flange of beam)

Notes:
 See sheet 13 of 25 for superstructure details and Bill of Material.
 See sheet 16 of 25 for P.J.F. details.
 The approach slab seat shall have a constant slope determined from the control points shown.

DESIGNED - RYAN P. NEGANGARD	EXAMINED	DATE - NOVEMBER 10, 2020
CHECKED - TIFFANY L. MEIER	 ENGINEER OF BRIDGE DESIGN	REVISED -
DRAWN - GLENN W. STOVER		REVISED -
CHECKED - R.P.N./T.L.M./G.R.A.		REVISED -
 ENGINEER OF BRIDGES AND STRUCTURES		

STATE OF ILLINOIS
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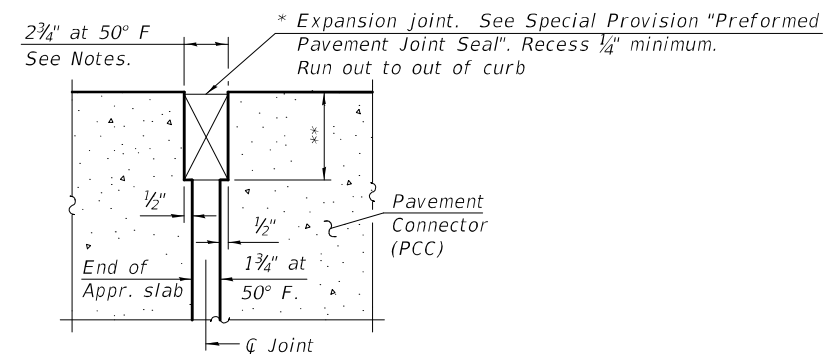
DIAPHRAGM DETAILS
 STRUCTURE NO. 083-0071

SHEET 14 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	40
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		

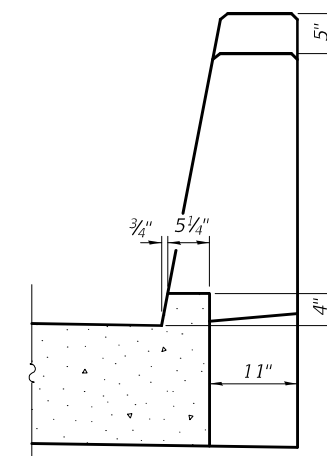
TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING

Point	South Approach		North Approach	
	Top	Bottom	Top	Bottom
A	369.47	368.64	369.47	368.64
B	369.73	368.90	369.73	368.90
C	369.47	368.64	369.47	368.64
D	369.47	368.64	369.47	368.64
E	369.73	368.90	369.73	368.90
F	369.47	368.64	369.47	368.64

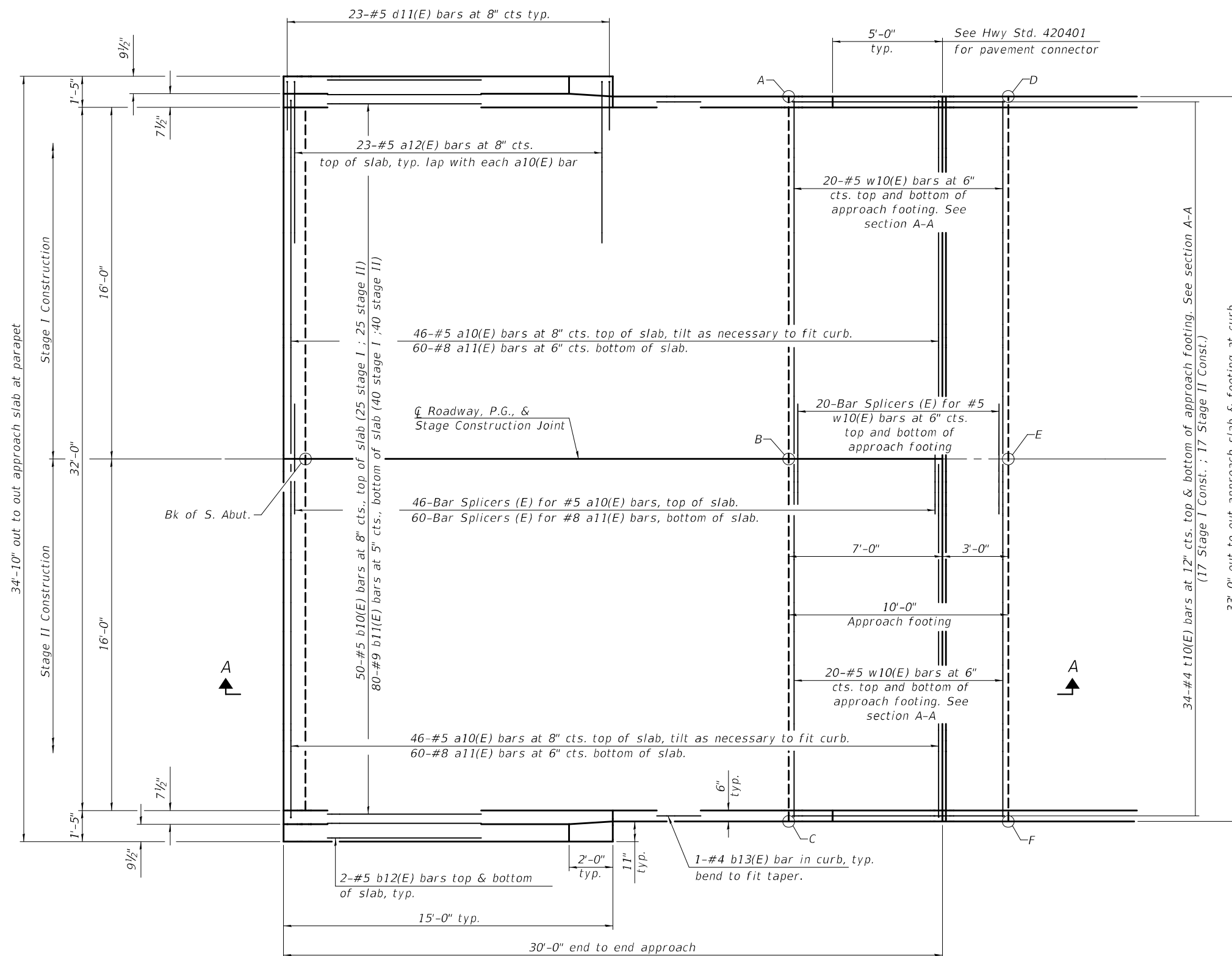


DETAIL A

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



VIEW B-B



PLAN

(South Approach shown, North Approach similar by 180° rotation)

(Sheet 1 of 2)

MODEL: 0830071-78151-015
FILE NAME: p:\lanroom\dot\illinois\dot\Projects\0830071\CADD Plans\0830071-78151.dgn

DESIGNED	- RYAN P. NEGANGARD
CHECKED	- TIFFANY L. MEIER
DRAWN	- GLENN W. STOVER
CHECKED	- R.P.N./T.L.M./G.R.A.

EXAMINED	<i>Jaime F. Joffe</i>
PASSED	<i>Carl Kasper</i>

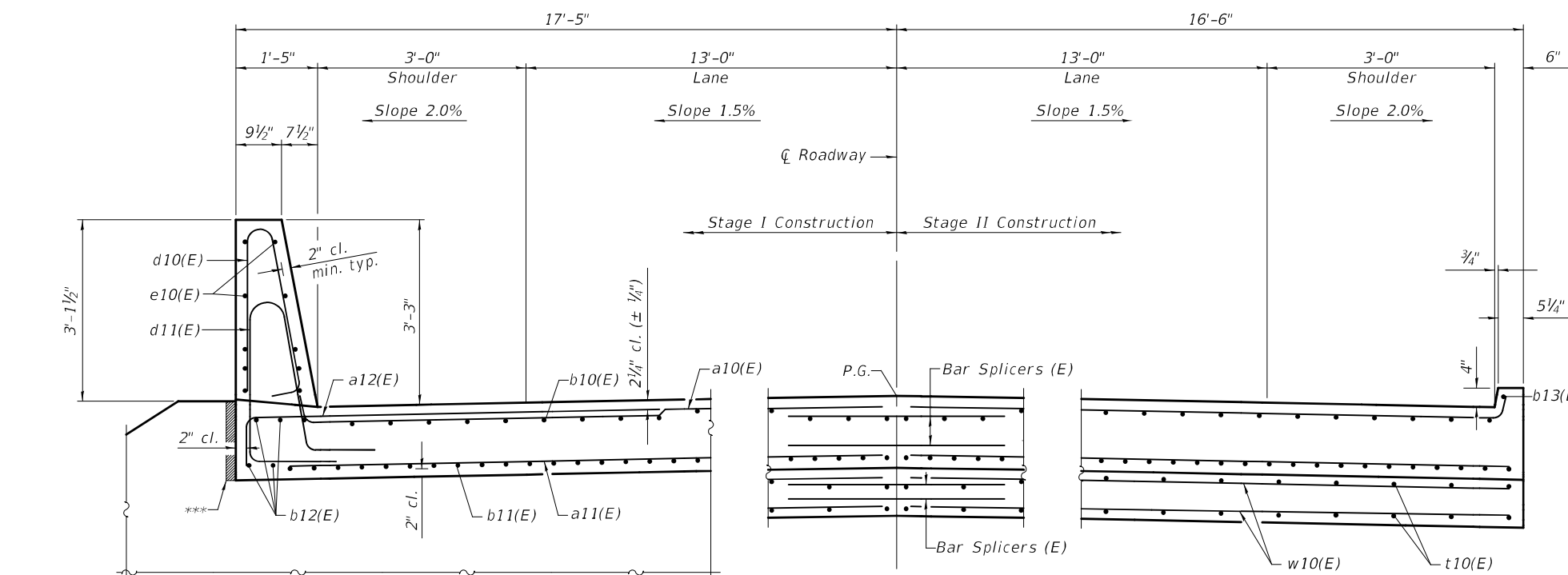
DATE	- NOVEMBER 10, 2020
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 083-0071

SHEET 15 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	41
CONTRACT NO. 78151				
ILLINOIS FED. AID PROJECT				

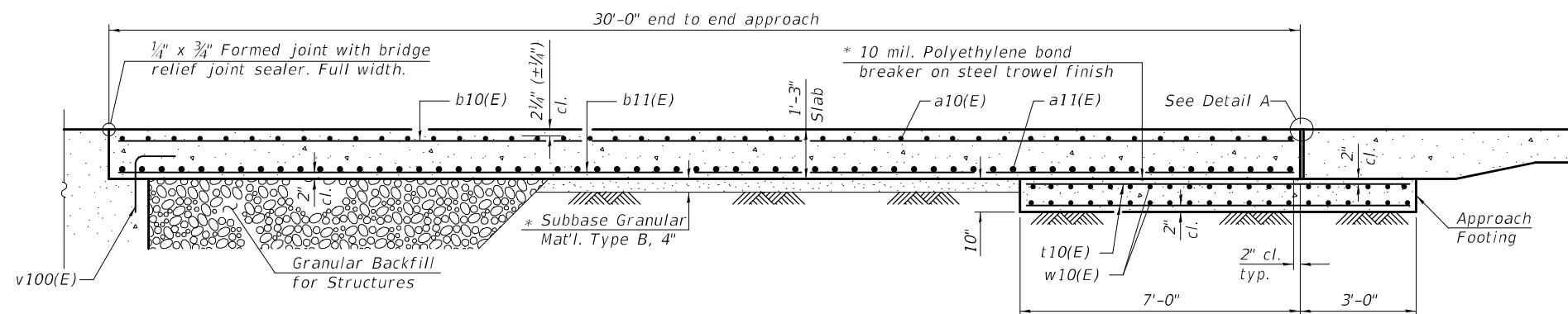


*** 2" PJF (per Article 1051.09 of the Standard Specifications) bonded to wingwall with suitable adhesive as recommended by supplier.

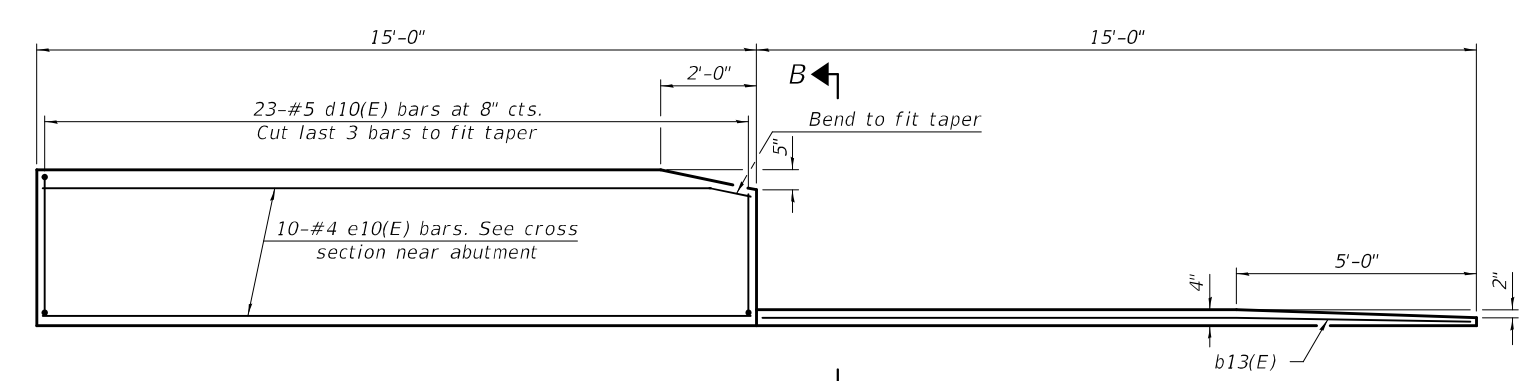
NEAR ABUTMENT

CROSS SECTION
(Looking South)

AT APPROACH FOOTING



SECTION A-A

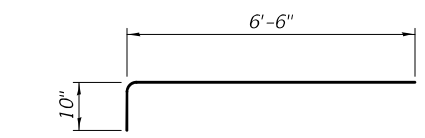


INSIDE ELEVATION OF PARAPET AND CURB

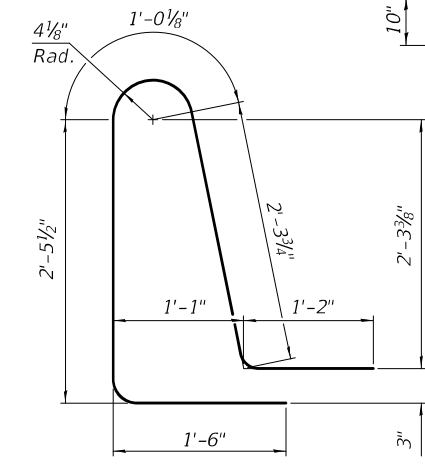
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach 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 (Q_{max}) = 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 25.



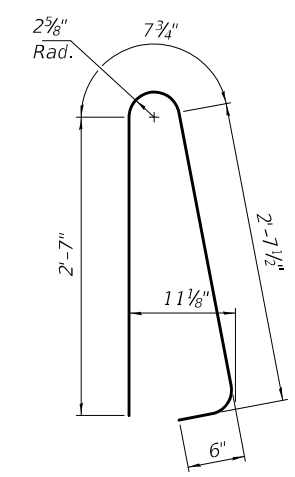
BAR a10(E)



BAR a12(E)



BAR d11(E)



BAR d10(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	184	#5	16'-6"	—
a11(E)	240	#8	16'-2"	—
a12(E)	92	#5	7'-4"	—
b10(E)	100	#5	29'-8"	—
b11(E)	160	#9	29'-8"	—
b12(E)	16	#5	14'-8"	—
b13(E)	4	#4	14'-8"	—
d10(E)	92	#5	6'-5"	U
d11(E)	92	#5	8'-6"	U
e10(E)	40	#4	14'-8"	—
t10(E)	136	#4	9'-8"	—
w10(E)	160	#5	16'-2"	—
Concrete Superstructure			Cu. Yd.	7.8
Concrete Superstructure (Approach Slab)			Cu. Yd.	95.2
Concrete Structures			Cu. Yd.	20.4
Reinforcement Bars, Epoxy Coated			Pound	39,150

(Sheet 2 of 2)

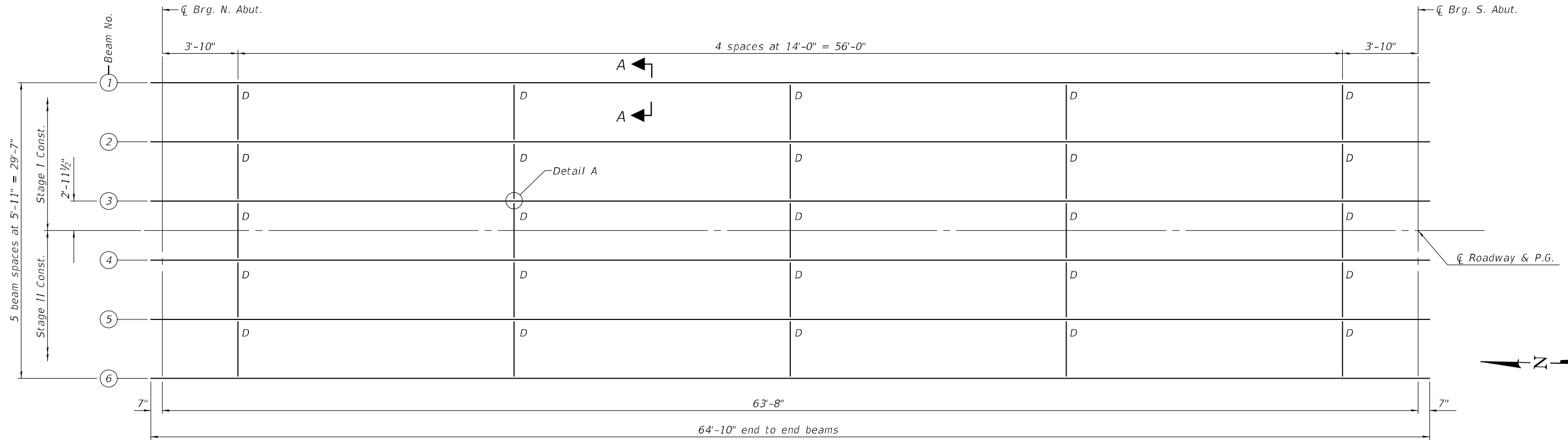
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DESIGNED - RYAN P. NEGANGARD	EXAMINED - <i>Joanne F. Joffe</i>	DATE - NOVEMBER 10, 2020
CHECKED - TIFFANY L. MEIER	PASSED - <i>Carl Ringer</i>	REVISOR -
DRAWN - GLENN W. STOVER	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -
CHECKED - R.P.N./T.L.M./G.R.A.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

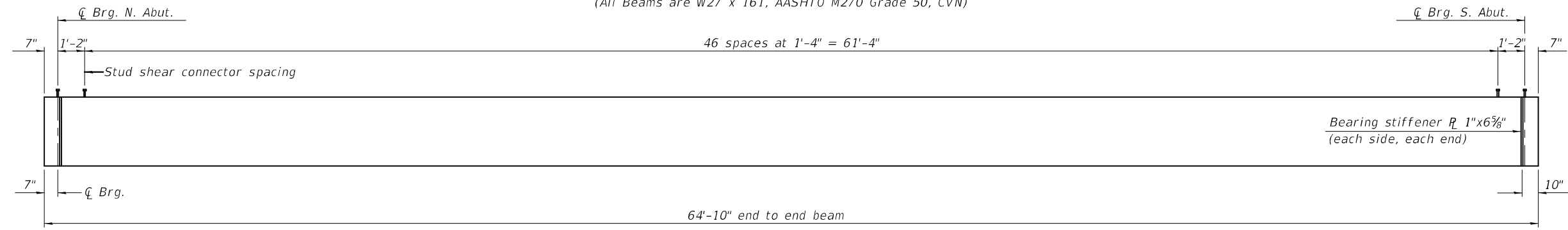
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 083-0071

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	42
CONTRACT NO. 78151				
SHEET 16 OF 25 SHEETS		ILLINOIS FED. AID PROJECT		

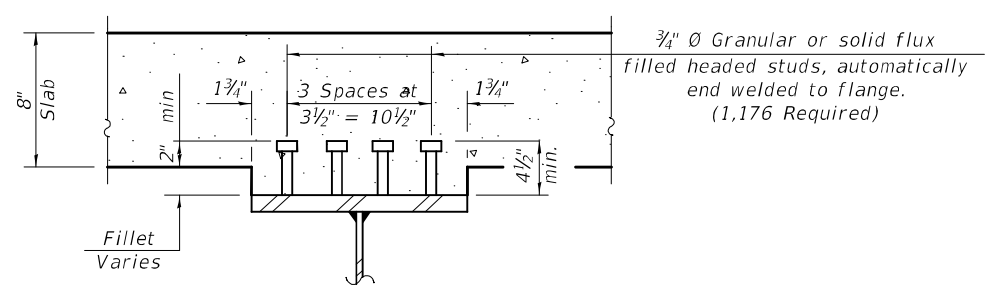


PLAN

(All Beams are W27 x 161, AASHTO M270 Grade 50, CVN)



BEAM ELEVATION



SECTION A-A

(Typical at each beam)

*** TOP OF BEAM ELEVATIONS**

Location	☐ Brg. N. Abut.	☐ Brg. S. Abut.
Beam 1	370.04	370.04
Beam 2	370.13	370.13
Beam 3	370.23	370.23
Beam 4	370.23	370.23
Beam 5	370.13	370.13
Beam 6	370.04	370.04

* For fabrication use only.

Notes:

All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted.
 "CVN" denotes Charpy-V-Notch Impact energy requirements, zone 2.
 See sheet 18 of 25 for diaphragm details.

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DESIGNED - RYAN P. NEGANGARD	EXAMINED - <i>Jaime F. DeLuca</i>	DATE - NOVEMBER 10, 2020
CHECKED - TIFFANY L. MEIER	PASSED - <i>Carl Kroyer</i>	REVISER -
DRAWN - GLENN W. STOVER	ENGINEER OF BRIDGE DESIGN	REVISER -
CHECKED - R.P.N./T.L.M./G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -

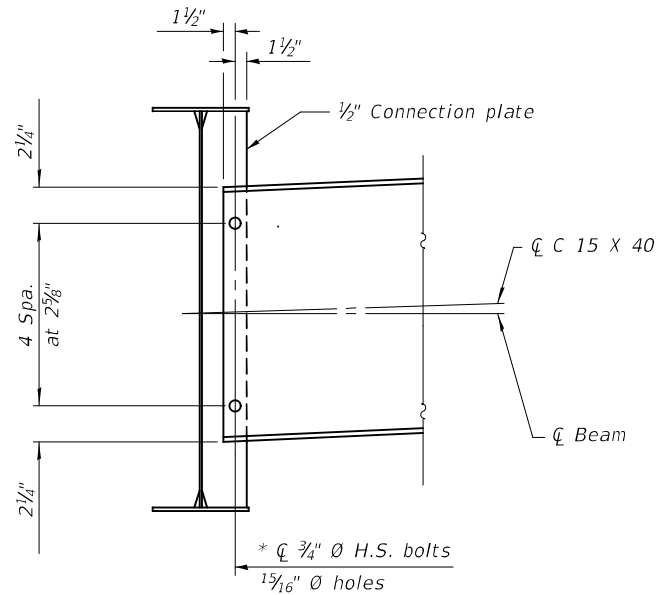
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL
STRUCTURE NO. 083-0071**

SHEET 17 OF 25 SHEETS

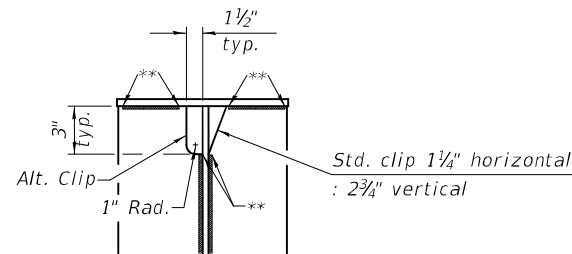
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	43
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 78151



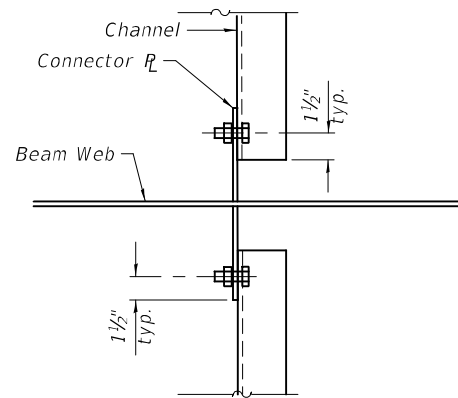
DIAPHRAGM D

* Install only one $\frac{7}{8}$ " ϕ H.S. bolt in center hole at each end of the stage line diaphragm as shown on sheet 17 of 25. The bolts shall be finger-tightened prior to deck pour to permit rotation. Install $\frac{3}{4}$ " ϕ H.S. bolts and fully tighten immediately after stage II deck pour is complete.



WELD LIMITS & CLIP DETAILS

** Stop welds $\frac{1}{4}$ " ($\pm \frac{1}{8}$ ") from edges as shown, typ.



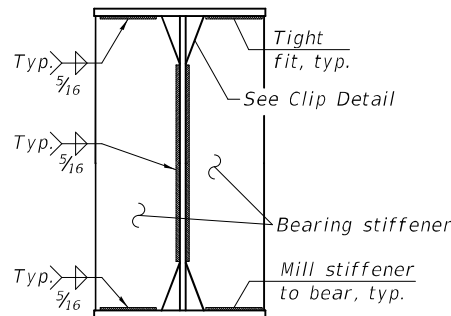
DETAIL A

	BEAM REACTION TABLE	
	Abut.	
	Interior	Exterior
LLDF	0.664	0.520
OCF	-	-
R _{DC1} (k)	25.7	24.6
R _{DC2} (k)	5.6	5.6
R _{DW} (k)	9.4	8.5
R _L (k)	54.3	53.1
R _{IM} (k)	13.5	10.6
R _{TOTAL} (k)	108.5	102.4

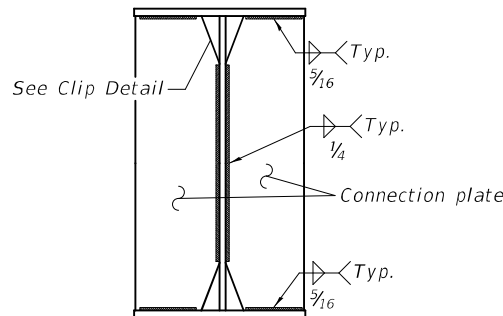
Notes:
Two hardened washers required for each set of oversized holes.
Alternate channels of equal depth and larger weight are permitted to facilitate material acquisition. Alternate channels, if utilized, shall be provided at no additional cost to the Department.
Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
All bearing plates and bearing stiffeners shall be AASHTO M270, Grade 50.

BILL OF MATERIAL

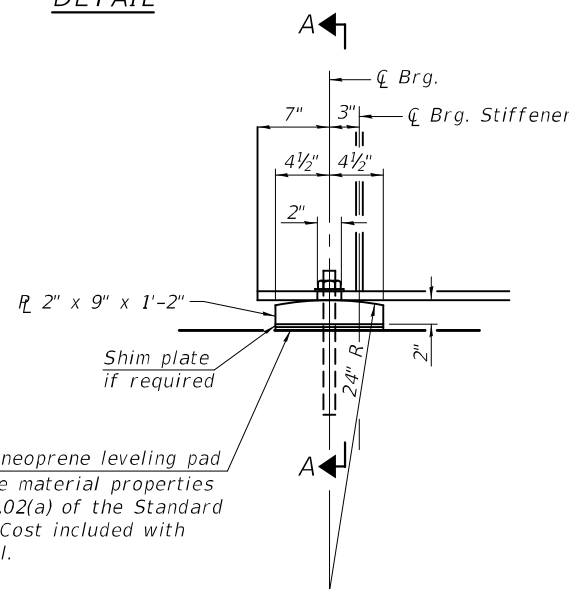
Item	Unit	Total
Anchor Bolts, 1"	Each	24



BEARING STIFFENER DETAIL

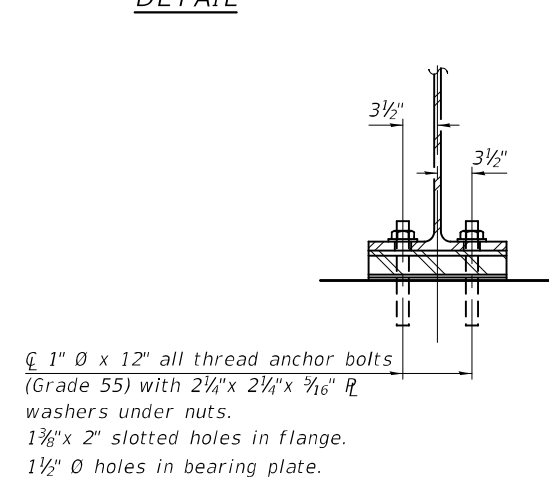


CONNECTION PLATE DETAIL



ELEVATION AT ABUTMENT

$\frac{1}{8}$ " elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.



SECTION A-A

FIXED BEARING
(12 Required)

		INTERIOR BEAM MOMENT TABLE	
		0.5 Span 1	
I _s	(in ⁴)	6310	
I _c (n)	(in ⁴)	16630	
I _c (3n)	(in ⁴)	12084	
I _c (cr)	(in ⁴)	-	
S _s	(in ³)	457	
S _c (n)	(in ³)	661	
S _c (3n)	(in ³)	596	
S _c (cr)	(in ³)	-	
DC1	(k/ft)	0.808	
M _{DC1}	(k)	407.2	
DC2	(k/ft)	0.175	
M _{DC2}	(k)	88.2	
DW	(k/ft)	0.296	
M _{DW}	(k)	149.2	
LLDF		0.503	
M _{L + IM}	(k)	745.7	
M _u (Strength I)	(k)	2148.0	
$\phi_r M_n$	(k)	3150	
f _s DC1	(ksi)	10.69	
f _s DC2	(ksi)	1.78	
f _s DW	(ksi)	3.00	
f _s (L + IM)	(ksi)	13.54	
f _s (Service II)	(ksi)	33.07	
0.95R _n F _{yr}	(ksi)	47.5	
f _s (Total)(Strength I)	(ksi)	43.78	
$\phi_r F_n$	(ksi)	-	
V _r	(k)	23.5	

- I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s(Total-Strength I, and Service II) due to non-composite dead loads (in⁴ and in³).
- I_c(n), S_c(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s(Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in⁴ and in³).
- I_c(3n), S_c(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s(Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in⁴ and in³).
- I_c(cr), S_c(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in⁴ and in³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.
- M_{L + IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- M_u (Strength I): Factored design moment (kip-ft.).
- 1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{L + IM}
- $\phi_r M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).
- f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
- M_{DC1} / S_{nc}
- f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
- M_{DC2} / S_c(3n) or M_{DC2} / S_c(cr) as applicable.
- f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
- M_{DW} / S_c(3n) or M_{DW} / S_c(cr) as applicable.
- f_s (L + IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
- M_{L + IM} / S_c(n) or M_{DW} / S_c(cr) as applicable.
- f_s (Service II): Sum of stresses as computed below (ksi).
- f_s DC1 + f_s DC2 + f_s DW + 1.3 f_s (L + IM)
- 0.95R_nF_{yr}: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
- f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
- 1.25 (f_sDC1 + f_sDC2) + 1.5 f_sDW + 1.75 f_s (L + IM)
- $\phi_r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
- V_r: Maximum factored shear range in span computed according to Article 6.10.10.
- OCF: Obtuse Correction Factor applied to non-continuous exterior beam ends and computed according to Article 4.6.2.2.3c-1 or as further simplified by IDOT provisions.
- R_{DC1}: Un-factored reaction due to non-composite dead load (kip).
- R_{DC2}: Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).
- R_{DW}: Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).
- R_L: Un-factored live load reaction (kip).
- R_{IM}: Un-factored dynamic load allowance (impact) (kip).

MODEL: 0830071-78151-018
FILE NAME: p:\w\lalanroom\dol\illinois.gov\PWDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0830071\CADD Plans\0830071-78151.dgn

DESIGNED - RYAN P. NEGANGARD	EXAMINED -
CHECKED - TIFFANY L. MEIER	PASSED -
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	

DATE - NOVEMBER 10, 2020

REVISOR -

REVISOR -

Joanne F. DeLoe
ENGINEER OF BRIDGE DESIGN

Carl Berger
ENGINEER OF BRIDGES AND STRUCTURES

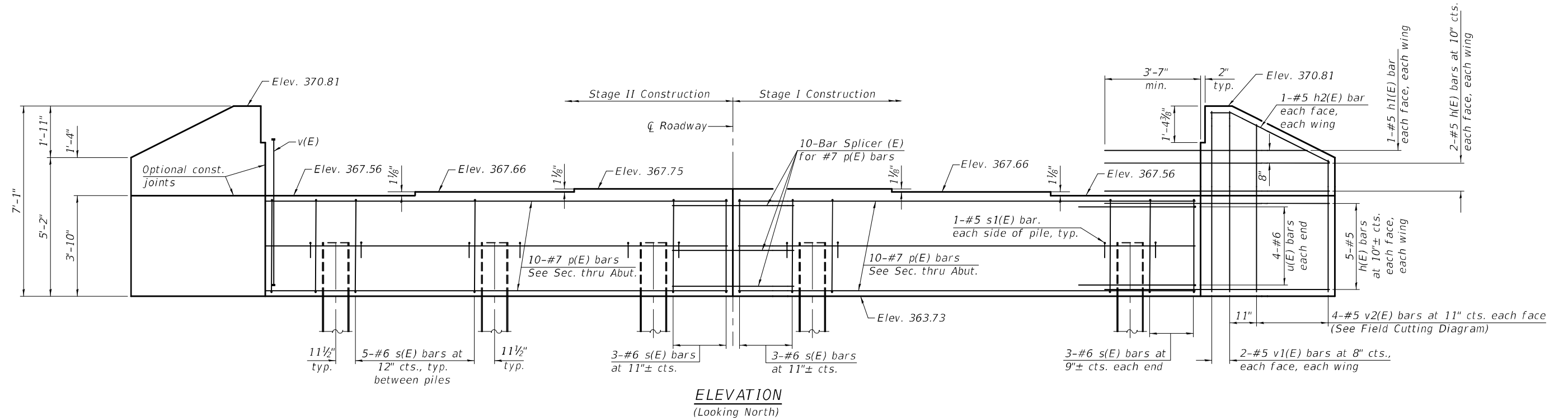
DESIGNED - RYAN P. NEGANGARD	EXAMINED -
CHECKED - TIFFANY L. MEIER	PASSED -
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

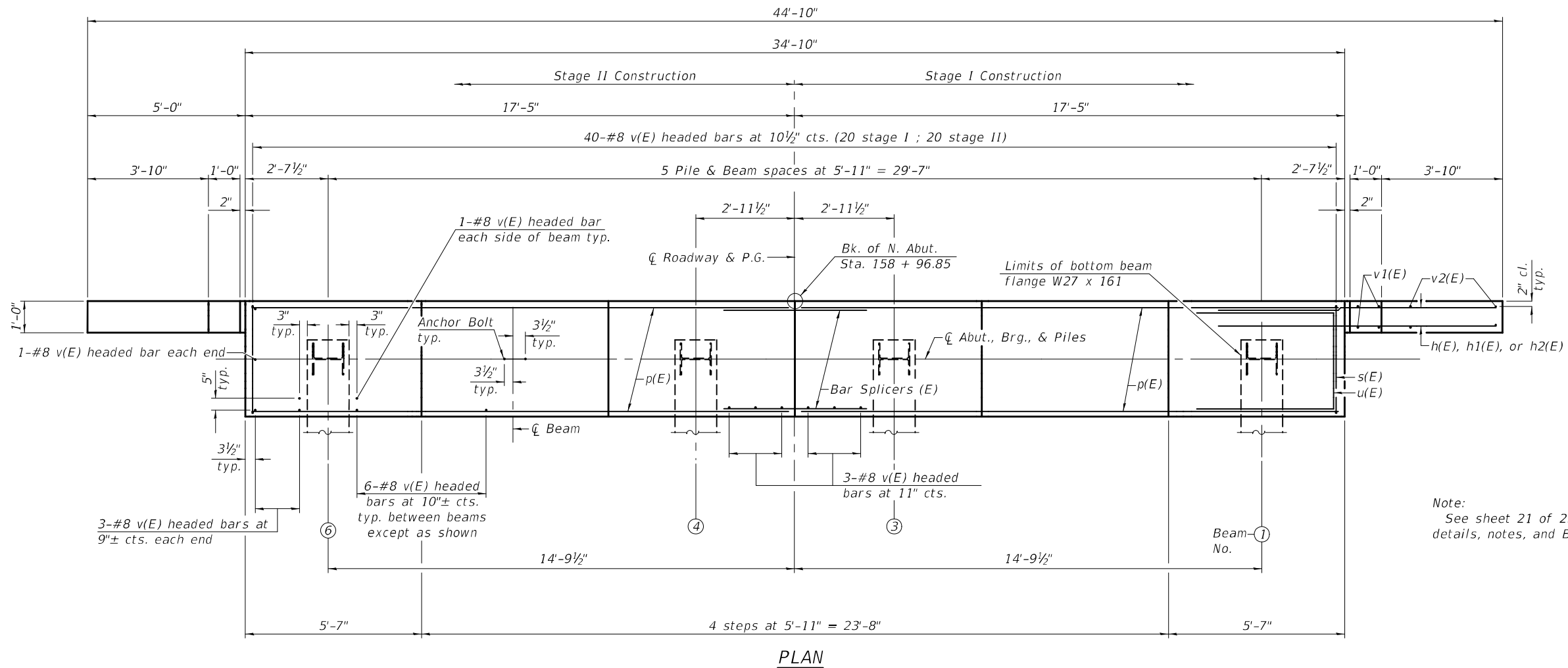
STRUCTURAL STEEL DETAILS
STRUCTURE NO. 083-0071

SHEET 18 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	44
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		



ELEVATION
(Looking North)



PLAN

Note:
See sheet 21 of 25 for additional abutment details, notes, and Bill of Material.

MODEL: 0830071-78151-019
 FILE NAME: p:\v\alanroom\dot\illinois\gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0830071\CADD Plans\0830071-78151.dgn
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DESIGNED - RYAN P. NEGANGARD	EXAMINED
CHECKED - TIFFANY L. MEIER	PASSED
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	

ENGINEER OF BRIDGE DESIGN
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - NOVEMBER 10, 2020
REVISED -
REVISED -

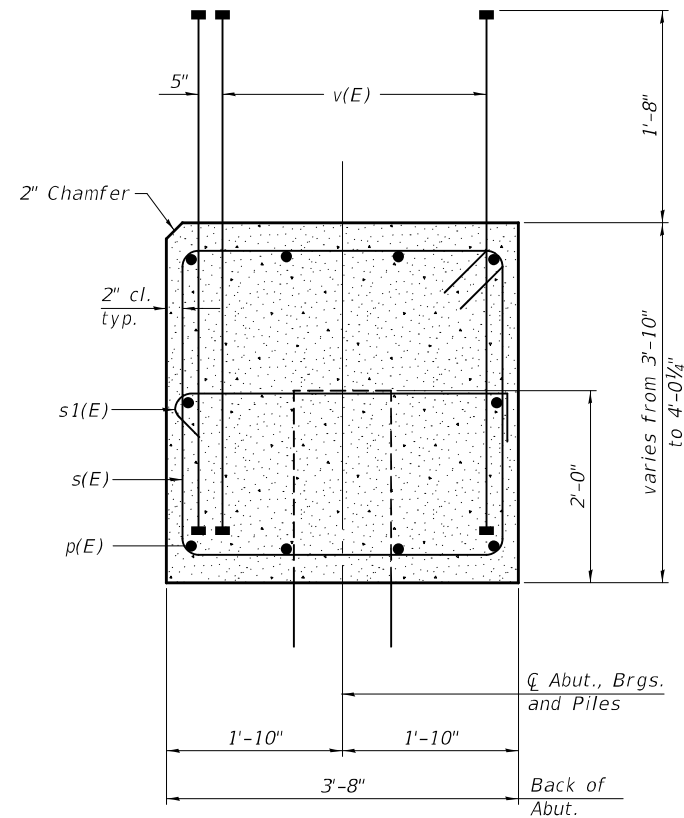
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
STRUCTURE NO. 083-0071

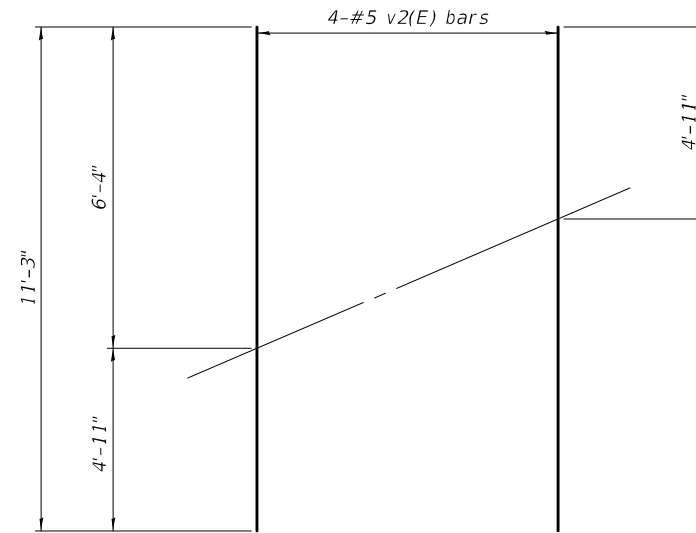
SHEET 19 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	45
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		

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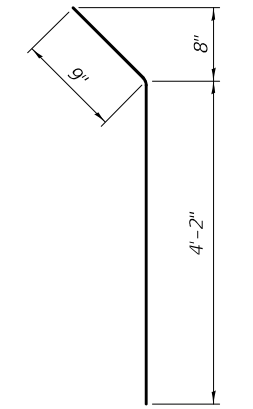
**SECTION THRU
ABUTMENT**



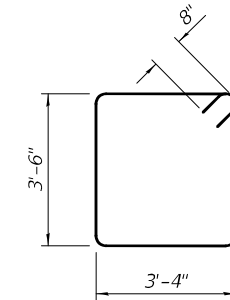
FIELD CUTTING DIAGRAM

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

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 22 of 25.



BAR h2(E)



BAR s(E)

**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	28	#5	8'-5"	—
h1(E)	4	#5	7'-6"	—
h2(E)	4	#5	4'-11"	—
p(E)	20	#7	17'-1"	—
s(E)	32	#6	15'-0"	□
s1(E)	12	#5	4'-4"	┌
u(E)	8	#6	11'-10"	—
v(E)	90	#8	5'-1"	—
v1(E)	8	#5	6'-9"	—
v2(E)	8	#5	11'-3"	—
Structure Excavation		Cu. Yd.	97	
Concrete Structures		Cu. Yd.	20.9	
Reinforcement Bars, Epoxy Coated		Pound	3,280	
Furnishing Steel Piles HP12x53		Foot	312	
Driving Piles		Foot	312	
Pile Shoes		Each	6	

**NORTH ABUTMENT
BILL OF MATERIAL**

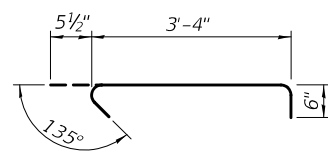
Bar	No.	Size	Length	Shape
h(E)	28	#5	8'-5"	—
h1(E)	4	#5	7'-6"	—
h2(E)	4	#5	4'-11"	—
p(E)	20	#7	17'-1"	—
s(E)	32	#6	15'-0"	□
s1(E)	12	#5	4'-4"	┌
u(E)	8	#6	11'-10"	—
v(E)	90	#8	5'-1"	—
v1(E)	8	#5	6'-9"	—
v2(E)	8	#5	11'-3"	—
Structure Excavation		Cu. Yd.	97	
Concrete Structures		Cu. Yd.	20.9	
Reinforcement Bars, Epoxy Coated		Pound	3,280	
Furnishing Steel Piles HP12x53		Foot	312	
Driving Piles		Foot	312	
Pile Shoes		Each	6	

**SOUTH ABUTMENT
PILE DATA**

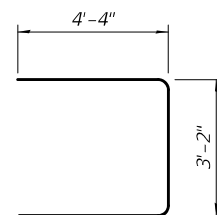
Type: HP12x53 with Pile Shoes
 Nominal Required Bearing: 418 kips
 Factored Resistance Available: 230 kips
 Est. Length: 52'-0"
 No. Production Piles: 6
 No. Test Piles: 0

**NORTH ABUTMENT
PILE DATA**

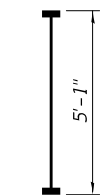
Type: HP12x53 with Pile Shoes
 Nominal Required Bearing: 418 kips
 Factored Resistance Available: 230 kips
 Est. Length: 52'-0"
 No. Production Piles: 6
 No. Test Piles: 0



BAR s1(E)



BAR u(E)



**BAR v(E)
(Headed)**

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS
STRUCTURE NO. 083-0071**

SHEET 21 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	47

CONTRACT NO. 78151

DESIGNED - RYAN P. NEGANGARD
 CHECKED - TIFFANY L. MEIER
 DRAWN - GLENN W. STOVER
 CHECKED - R.P.N./T.L.M./G.R.A.

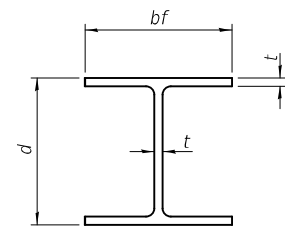
EXAMINED
 PASSED

DATE - NOVEMBER 10, 2020

REVISOR
 REVISION

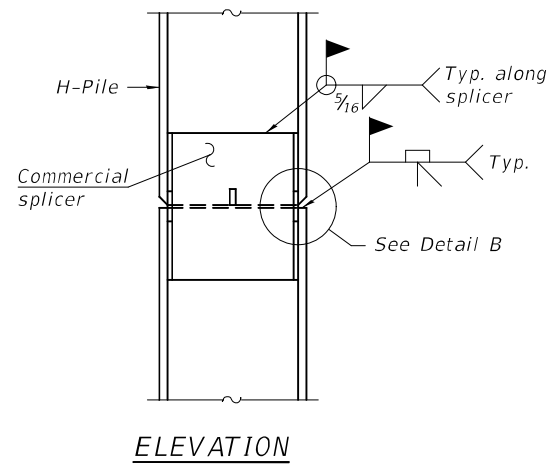
Joanne F. DeLoe
 ENGINEER OF BRIDGE DESIGN

Carl R. King
 ENGINEER OF BRIDGES AND STRUCTURES

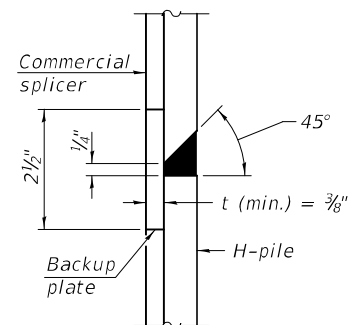


STEEL PILE TABLE

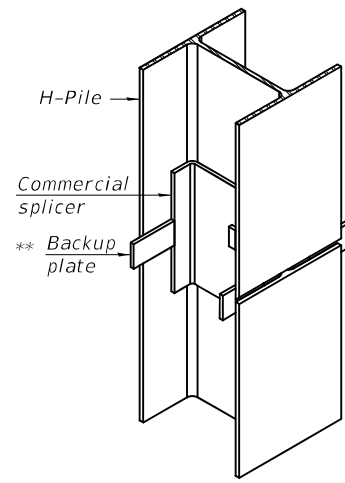
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 3/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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

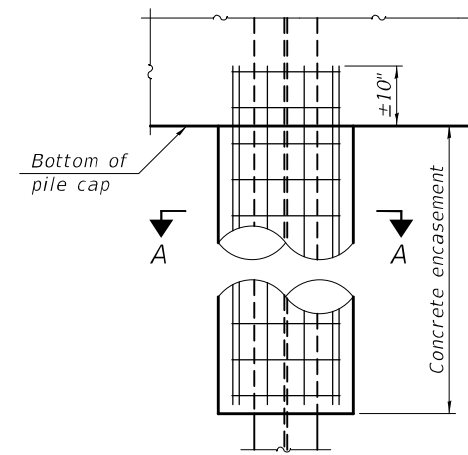


DETAIL "B"

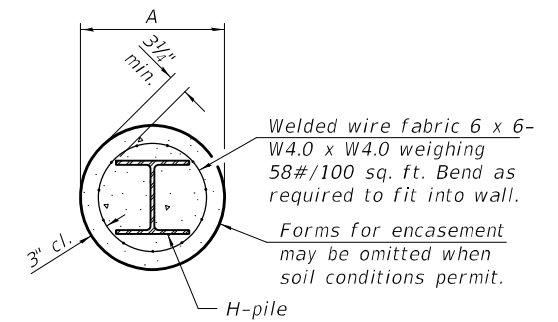


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

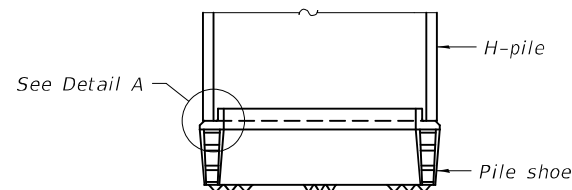


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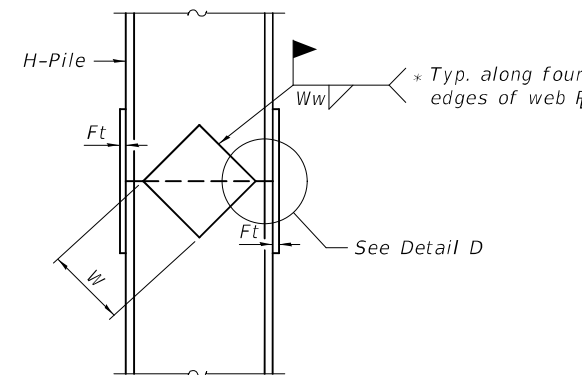


SECTION A-A

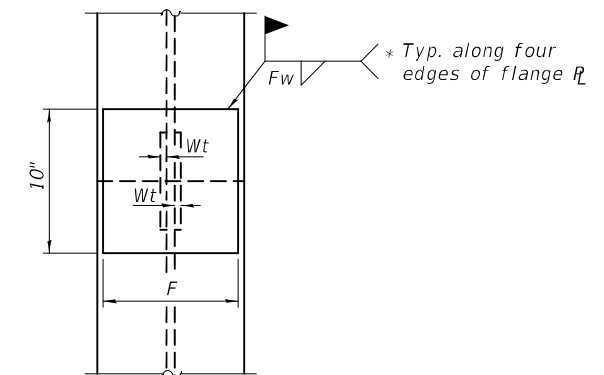
INDIVIDUAL PILE CONCRETE ENCASUREMENT
(when specified)



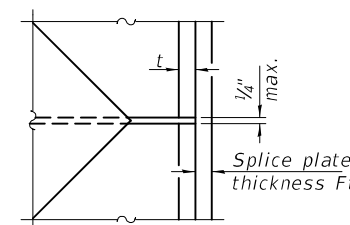
ELEVATION



ELEVATION



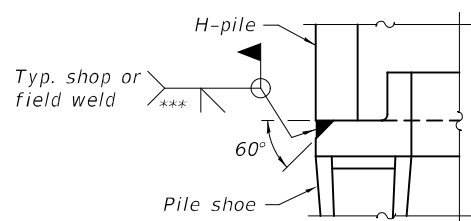
END VIEW



DETAIL D

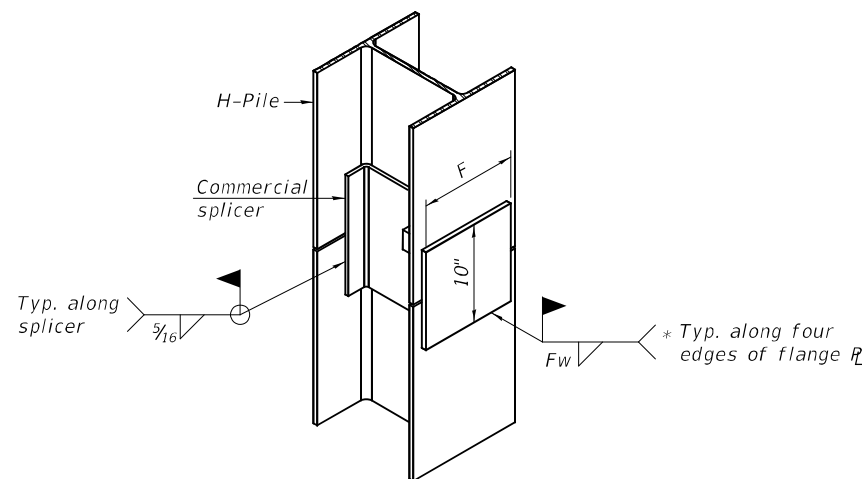
Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"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

WELDED PLATE FIELD SPLICE



DETAIL A

SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * 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.).

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

MODEL: 0830071-78151-022
FILE NAME: p:\w\lanroom\d\Illinois.gov\PWDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0830071\CADD Plans\0830071-78151.dgn

F-HP 1-1-2020

DESIGNED - RYAN P. NEGANGARD	EXAMINED
CHECKED - TIFFANY L. MEIER	PASSED
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	

DATE - NOVEMBER 10, 2020

 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

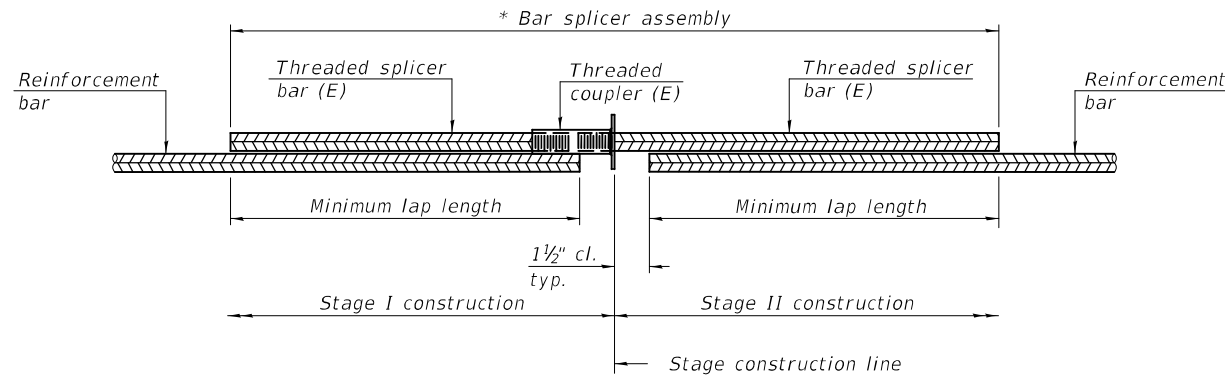
REVISIONS	
REVISIONS	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HP PILE DETAILS
STRUCTURE NO. 083-0071**

SHEET 22 OF 25 SHEETS

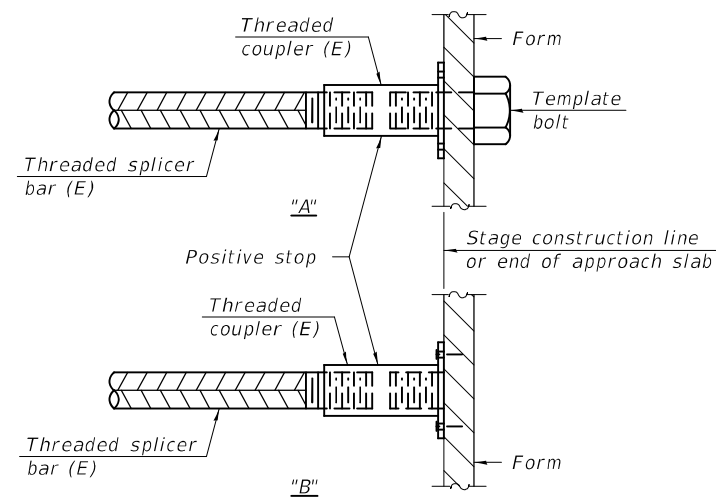
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	48
CONTRACT NO. 78151				
ILLINOIS		FED. AID PROJECT		



STANDARD BAR SPLICER ASSEMBLY PLAN
(All components shall be provided from one supplier)

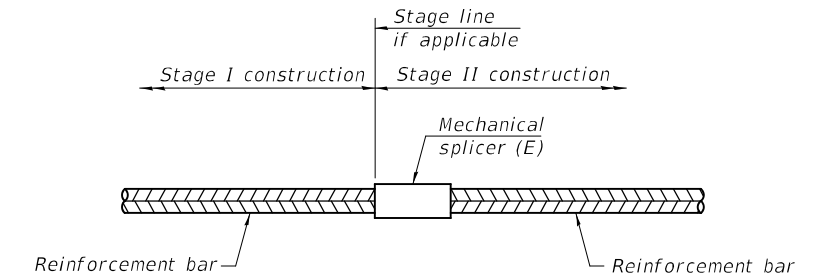
Threaded splicer bar length = min. lap length + 1 1/2" + thread length

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



INSTALLATION AND SETTING METHODS

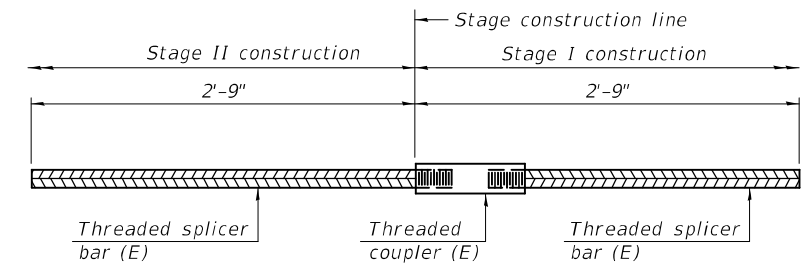
"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Location	Bar size	No. assemblies required	Minimum lap length
Slab	#5	180	3'-6"
Approach Slab Top	#5	92	3'-4"
Approach Slab Bottom	#8	120	4'-9"
Approach Slab Footing	#5	80	3'-2"
Abutment Diaphragm Back Face	#6	8	4'-0"
Abutment Diaphragm Front Face	#6	6	See Diaphragm Bar Splicer Detail
Abutment Cap	#7	20	5'-0"



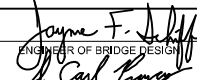
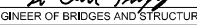
DIAPHRAGM BAR SPLICER DETAIL

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: 0830071-78151-023
 FILE NAME: pw:\planroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0830071\CADD Plans\0830071-78151.dgn

DESIGNED - RYAN P. NEGANGARD	EXAMINED
CHECKED - TIFFANY L. MEIER	PASSED
DRAWN - GLENN W. STOVER	
CHECKED - R.P.N./T.L.M./G.R.A.	


 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - NOVEMBER 10, 2020
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

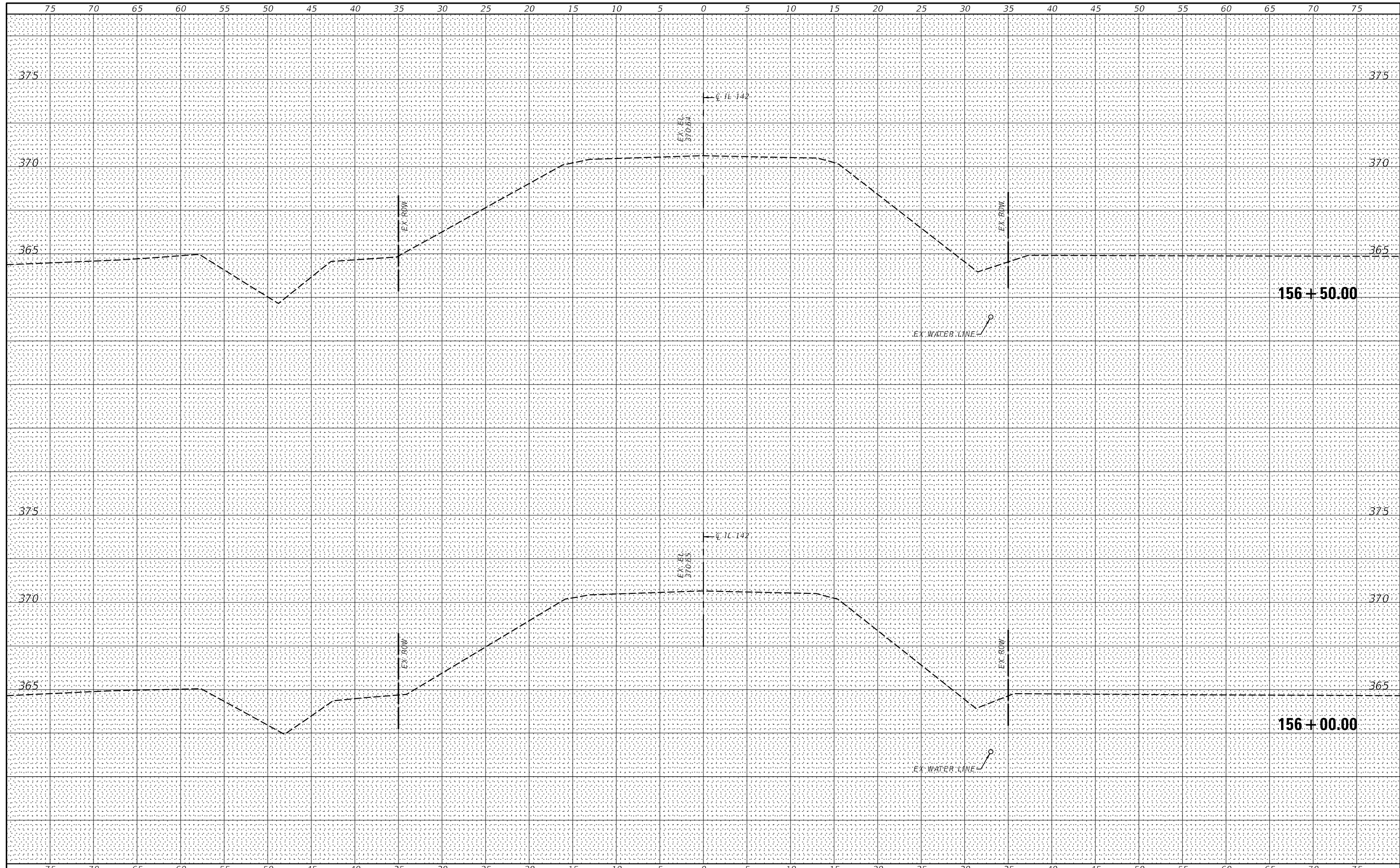
**BAR SPLICER DETAILS
 STRUCTURE NO. 083-0071**

SHEET 23 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	49
CONTRACT NO. 78151				
ILLINOIS			FED. AID PROJECT	

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____
 FINAL SURVEY NO. _____

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____
 ORIGINAL SURVEY NO. _____



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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

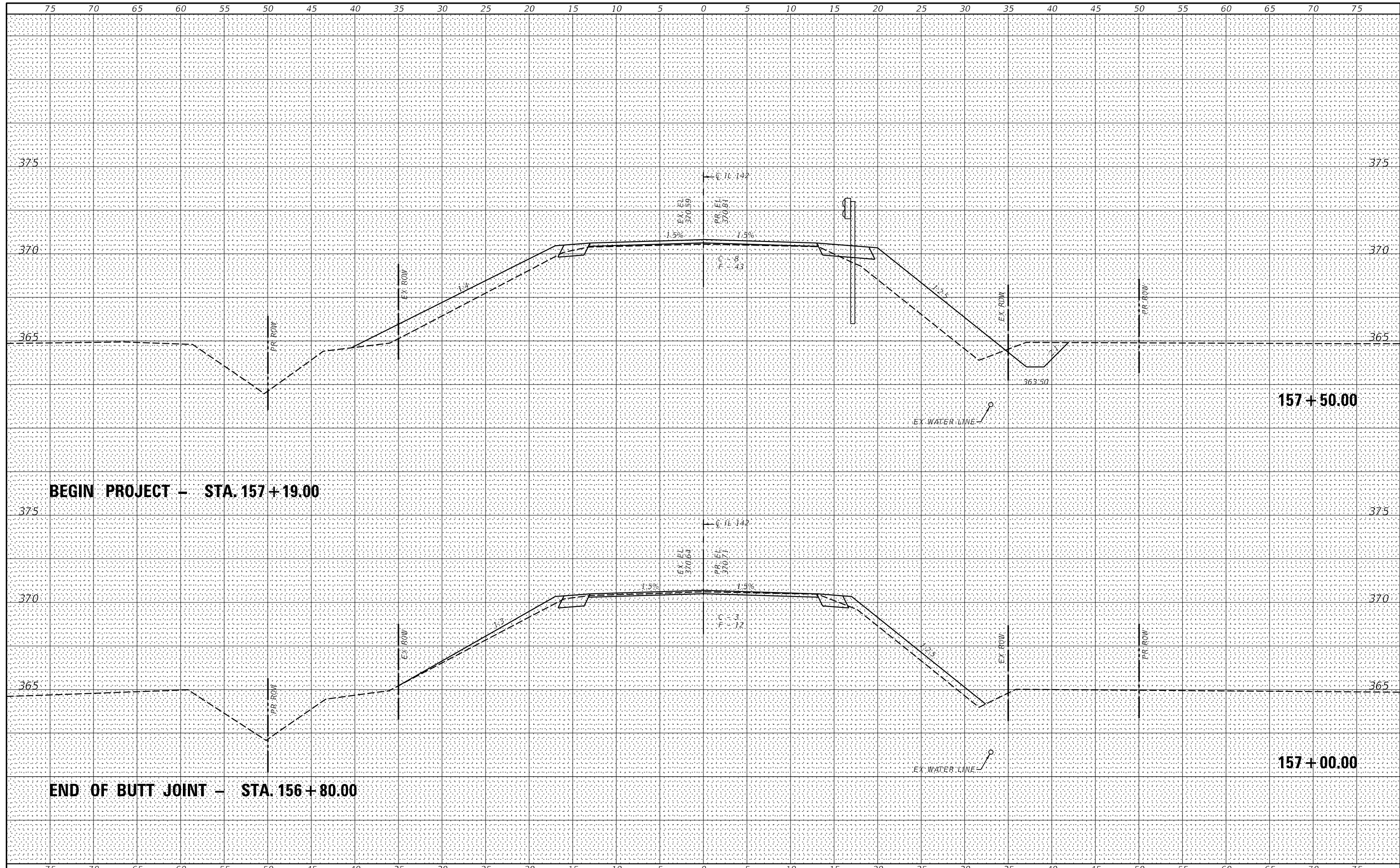
CROSS SECTIONS

SHEET NO. 1 OF 7 SHEETS STA. 156+00.00 TO STA. 156+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	52
CONTRACT NO. 78151				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

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



BEGIN PROJECT - STA. 157+19.00

END OF BUTT JOINT - STA. 156+80.00



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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

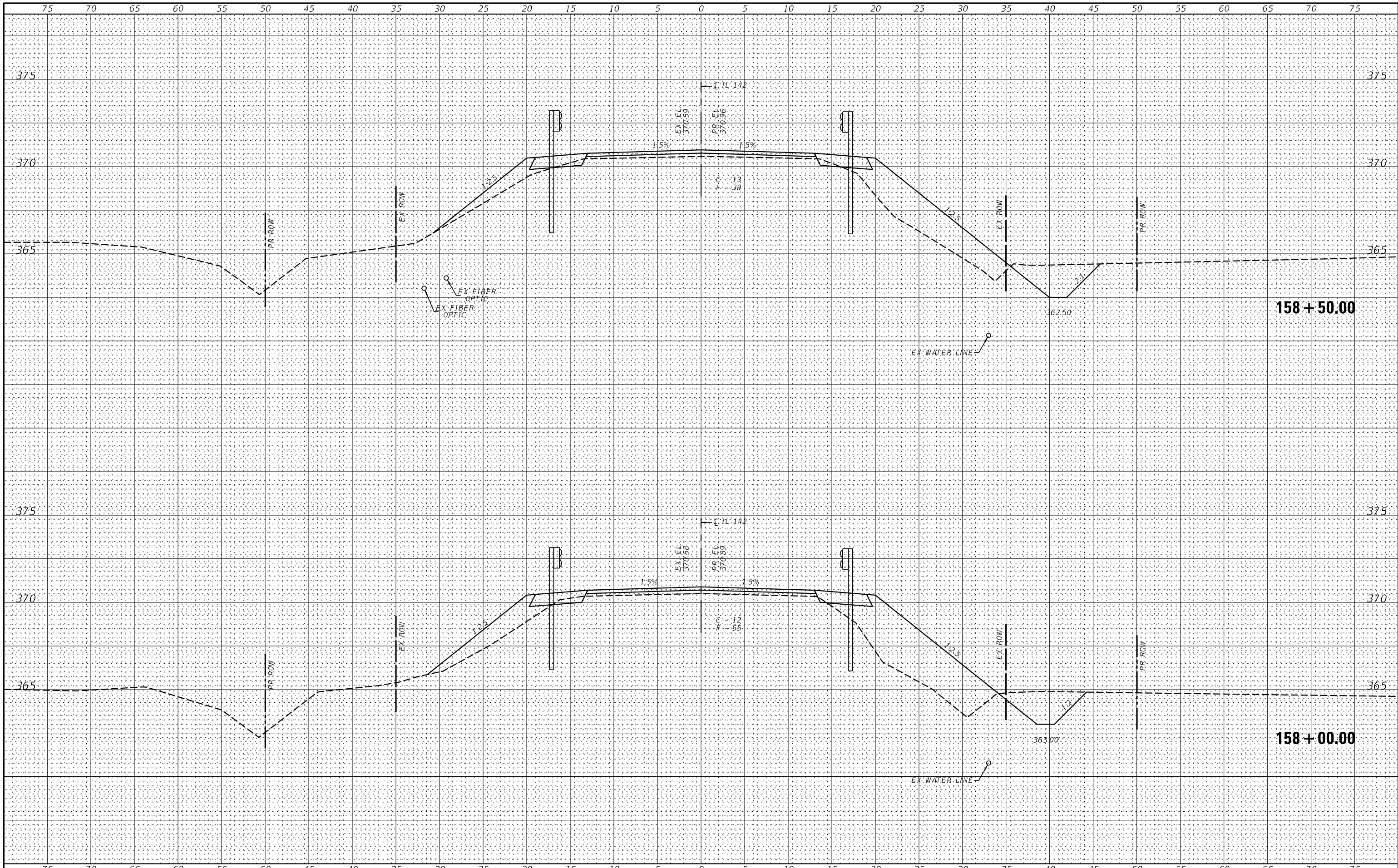
CROSS SECTIONS

SHEET NO. 2 OF 7 SHEETS STA. 157+00.00 TO STA. 157+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	53
CONTRACT NO. 78151				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

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



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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

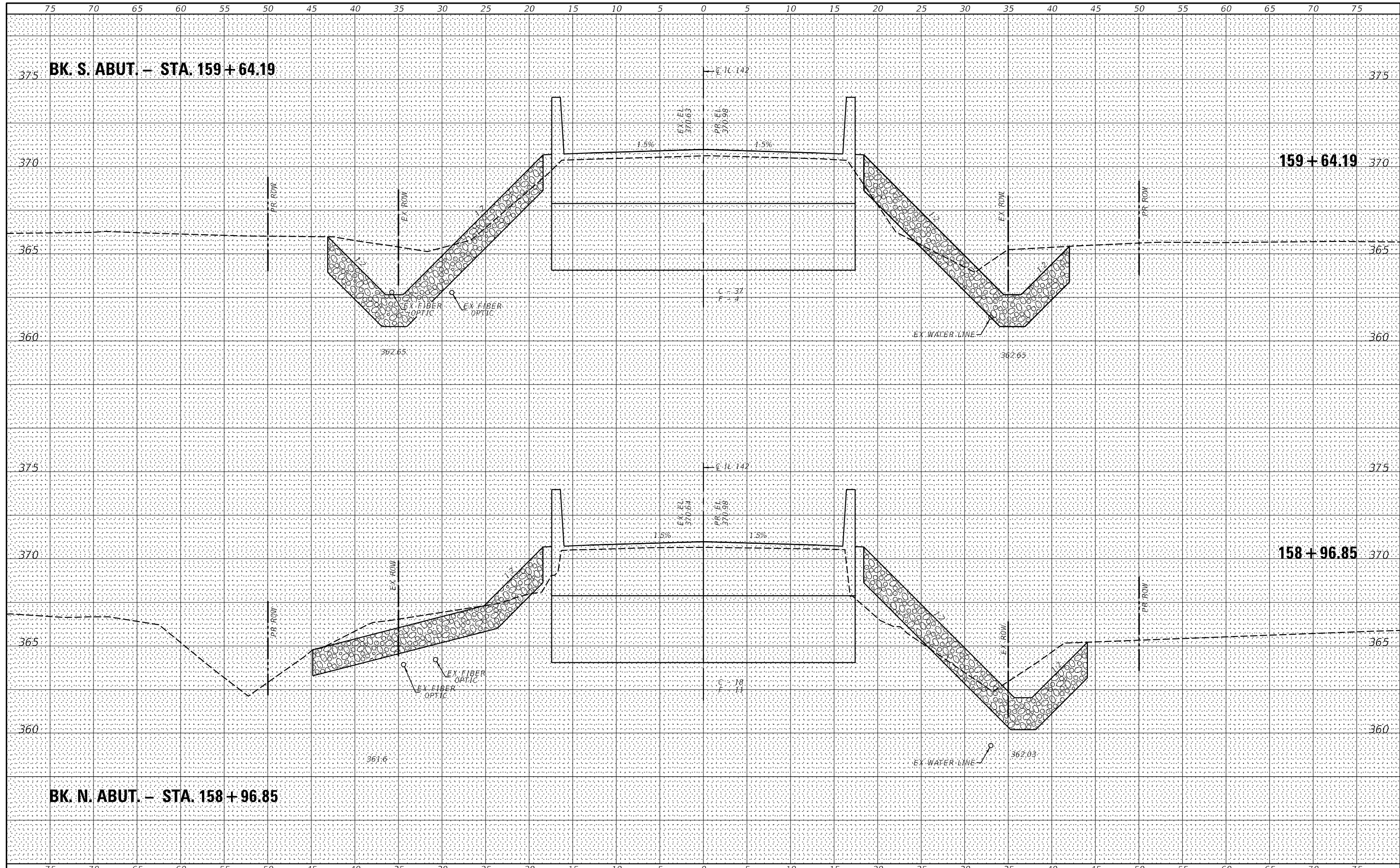
CROSS SECTIONS

SHEET NO. 3 OF 7 SHEETS STA. 158+00.00 TO STA. 158+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	54
CONTRACT NO. 78151				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

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



W&K
Veenstra & Kimm, Inc.
 Springfield, IL Phone: (217)544-8033

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

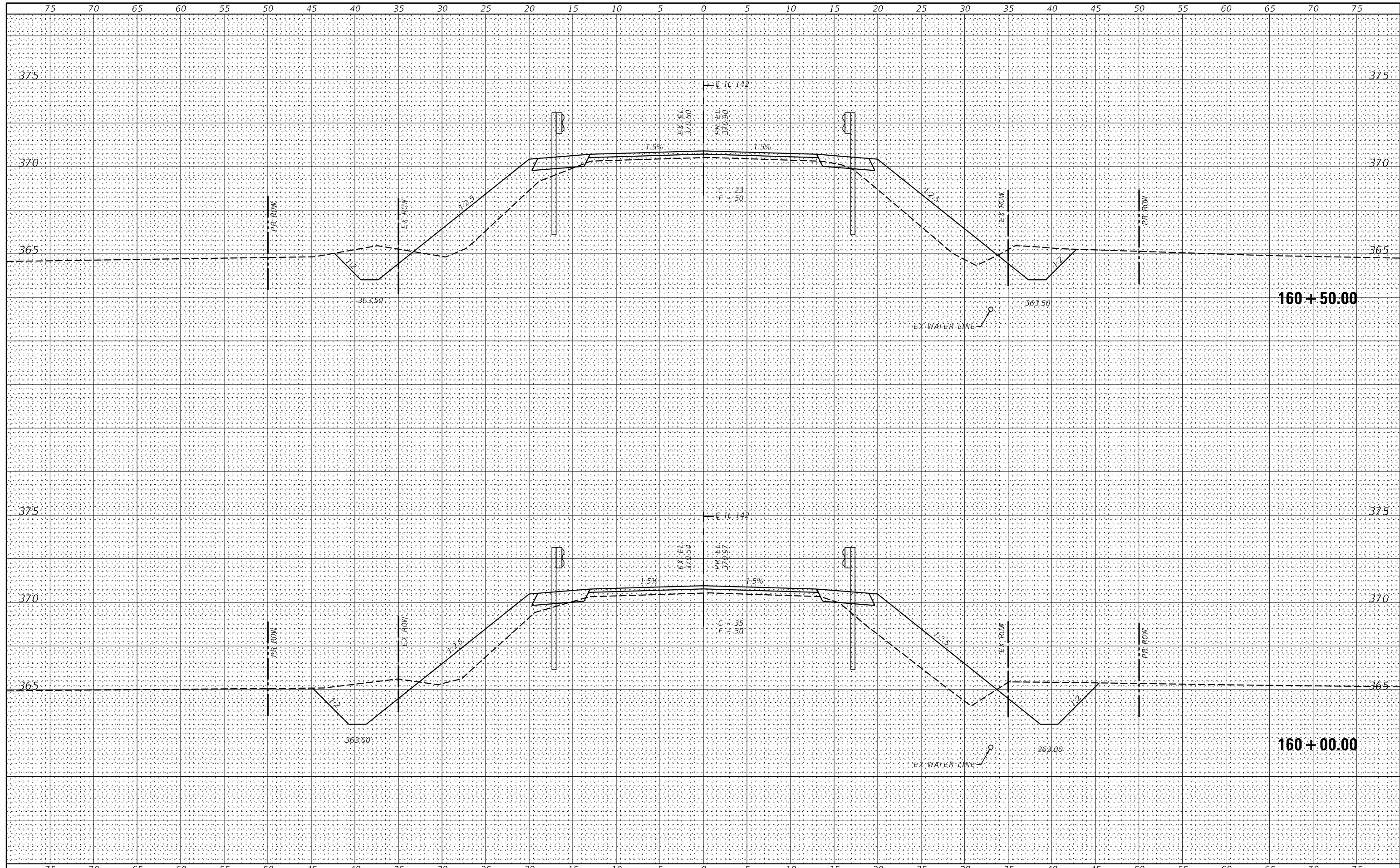
CROSS SECTIONS

SHEET NO. 4 OF 7 SHEETS STA. 158+96.85 TO STA. 158+96.85

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	55
CONTRACT NO. 78151				
FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT				

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

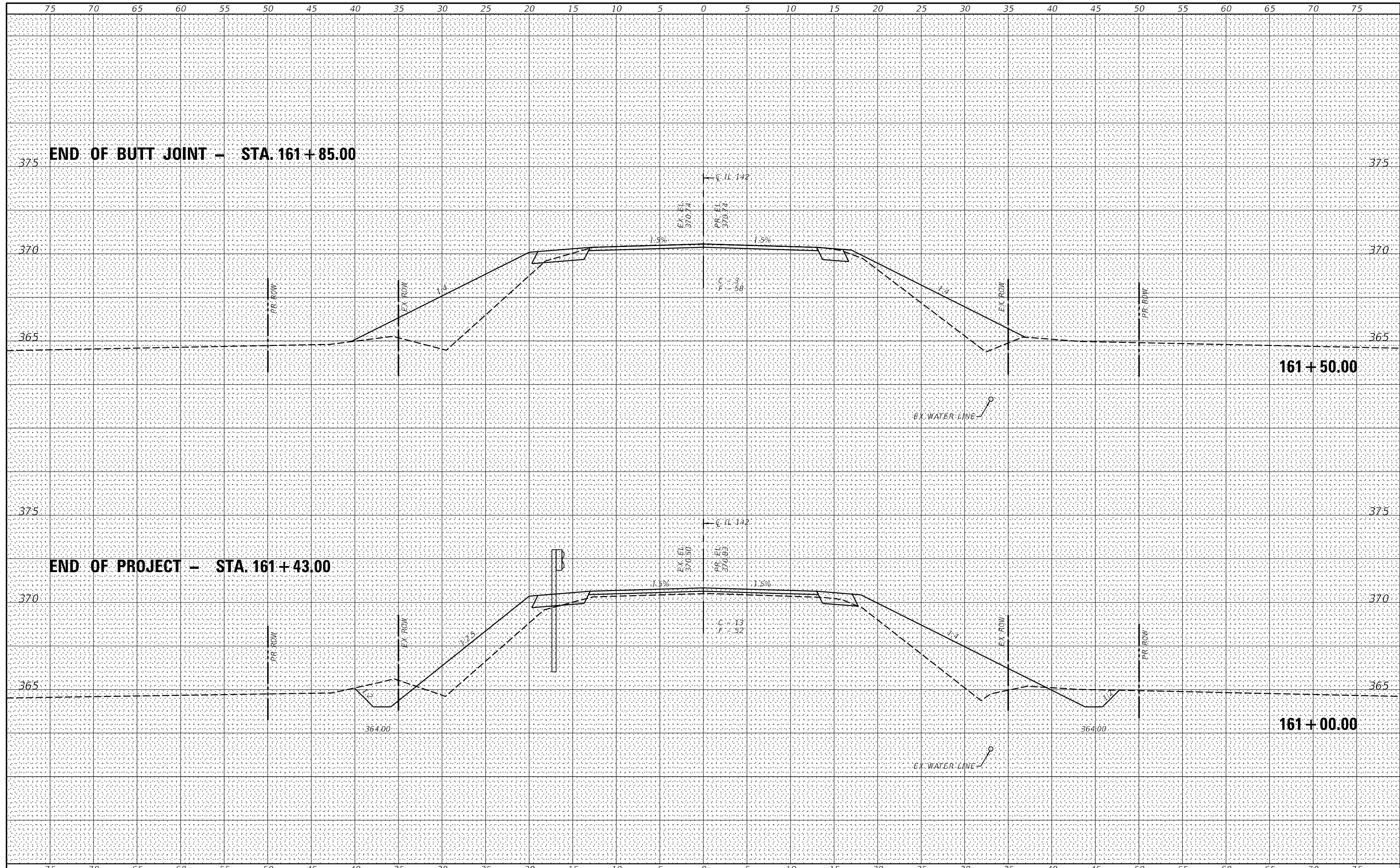
CROSS SECTIONS

SHEET NO. 5 OF 7 SHEETS STA. 160+00.00 TO STA. 160+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	124B-2	SALINE	57	56
CONTRACT NO. 78151				
FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



W&K
 Veenstra & Kimm, Inc.
 Springfield, IL Phone: (217)544-8033

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		776	124B-2	SALINE	57	57
SHEET NO. 6 OF 7 SHEETS		STA. 161+00.00 TO STA. 161+50.00		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		

CONTRACT NO. 78151	
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