F. A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167*	(79R-VB)R	KANKAKEE	134	1
	ILLINOIS	CONTRACT NO. 66F11		

* ANY REFERENCE TO 6167 SHOULD READ 6176

JOB NO. D-93-095-19

STATE OF ILLINOIS 09-17-2021 LETTING ITEM 021

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79R-VB)R
PROJECT: STP-FQGX(962)
KANKAKEE COUNTY
REMOVAL AND REPLACEMENT OF STRUCTURE (SN 046-0063) CARRYING ARMOUR ROAD OVER THE ILLINOIS CENTRAL RAILROAD
C-93-116-19

R 12 E

EXISTING STRUCTURE NO. 046-0063

PROPOSED STRUCTURE NO. 046-0155

PROJECT BEGINS 136+00.00

PROJECT ENDS 161+15.00

GROSS LENGTH = 2,515 FT. = 0.4763 MILE

NET LENGTH = 2,515 FT. = 0.4763 MILE

LOCATION OF SECTION INDICATED THUS:-

DESIGN DESIGNATION
ARMOUR ROAD – MINOR ARTERIAL
PV= 90.9% SU=6.7% MU=2.4%
TRAFFIC DATA
EXISTING ADT = 19,158 (2018)
PROPOSED ADT =19,716 (2021)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 14th 20 20
REGIONAL ENGINEER

August 13, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

August 13, 2021
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

ENGINEERING RESOURCE ASSOCIATES, INC.

PATRICK W. KEEFE, P.E.

DATE: 12/08/2020

EXP: 11/30/2021

SHEETS: 1-49, 55-68, & 111-134

PATRICK W. KEEFE 062-055351 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

ABNA ENGINEERING, INC.

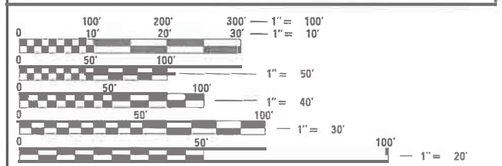
FRANKLIN P. EPPERT, P.E.

DATE: 12/08/2020

EXP: 11/30/2021

SHEETS: 50-54

LICENSED PROFESSIONAL ENGINEER FRANKLIN P. EPPERT 062-024057 STATE OF ILLINOIS



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

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

PROJECT ENGINEER: BRAD DUNCAN, P.E.
UNIT CHIEF: DARCY CARPENTER
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66F11

REV. 8/9/21 REV. 1/19/21

IDOT HIGHWAY STANDARDS

DETAIL NO.	TITLE
000001-08	STANDARD SYMBOLS ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
442101-09	CLASS B PATCHES
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602011-02	CATCH BASIN TYPE C
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
604091-04	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
610001-09	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630116	BACKSIDE PROTECTION OF GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15', (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701326-04	LANE CLOSURE, 2L 2W, PAVEMENT WIDENDING, FOR SPEEDS GREATER THAN OR EQUAL TO 45MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
812001-01	RACEWAY 5 EMBEDDED IN STRUCTURE
821101-02	LUMINAIRE WIRING IN POLE
825011-04	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
830006-05	LIGHT POLE ALUMINUM DAVIT ARM
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
876001-04	PEDESTRIAN PUSH BUTTON POST
878001-11	CONCRETE FOUNDATION

GENERAL NOTES

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

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

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

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

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

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

7. ADDITIONAL BINDER, AT THE RATE GIVEN ON THE TYPICAL SECTIONS, HAS BEEN ADDED TO THE QUANTITIES TO CORRECT TO A 3/16"/FT. (1.5%) CROWN ON SECTIONS OF EXISTING ROADWAYS.

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

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

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

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

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

13. ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

14. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN

CALCULATING PLAN QUANTITIES:		
GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION

15. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT- OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

16. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

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

18. MEMBERS OF JULIE KNONW TO BE WITHIN THE LIMTS OF THE IMPROVEMENTS ARE: COMED, NICRO GAS, AT&T, COMCAST CABLE, AQUA ILLINOIS, BUCKEYE PARTNERS LP, ZAYO, AND WINDSTREAM.

SUMMARY OF COMMITMENTS

COORDINATE WITH THE VILLAGE OF BOURBONNAIS IN REPLACING THE VILLAGE SIGN POST LOCATED AT THE NORTHEAST QUADRANT OF THE STRUCTURE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES OF CONSTRUCTION: _____

INSPECTORS: _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

DATE: _____

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=20:0.0000 ':" / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	2
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

REV. 8/17/21REV. 1/19/21

				CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% VILLAGE
				ROADWAY	BRIDGE	TRAFFIC SIGNALS LIGHTING, SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0010	0021
				URBAN	URBAN	URBAN
20200100	EARTH EXCAVATION	CU YD	1,004	1004		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	898	898		
20400800	FURNISHED EXCAVATION	CU YD	1,839	1839		
20800150	TRENCH BACKFILL	CU YD	208	205		3
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	735	735		
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	250	250		
25000210	SEEDING, CLASS 2A	ACRE	3	3		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	291	291		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	291	291		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	291	291		
25100630	EROSION CONTROL BLANKET	SQ YD	15,647	15647		
28000305	TEMPORARY DITCH CHECKS	FOOT	42	42		
28000400	PERIMETER EROSION BARRIER	FOOT	3,222	3222		
28000500	INLET AND PIPE PROTECTION	EACH	26	26		

				CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% VILLAGE
				ROADWAY	BRIDGE	TRAFFIC SIGNALS LIGHTING, SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0010	0021
				URBAN	URBAN	URBAN
28100203	STONE RIPRAP, CLASS A2	TON	17	17		
28200200	FILTER FABRIC	SQ YD	75	75		
31100910	SUBBASE GRANULAR MATERIAL, TYPE A, 12"	SQ YD	1,809	1809		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,109	921		188
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	1,008	1008		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	13	13		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,490	3490		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	645	645		
40603218	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	2,176	2176		
40604112	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70	TON	543	543		
42000080	PAVEMENT CONNECTOR (PPC) FOR BRIDGE APPROACH SLAB	SQ YD	258	258		
42001300	PROTECTIVE COAT	SQ YD	1935	1712		223
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	18	18		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,684			1684

				CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% VILLAGE
				ROADWAY	BRIDGE	TRAFFIC SIGNALS LIGHTING, SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0010	0021
				URBAN	URBAN	URBAN
* 42400800	DETECTABLE WARNINGS	SQ FT	30			30
44000100	PAVEMENT REMOVAL	SQ YD	516	516		
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	7,332	7332		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	268	268		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,412	2308		104
44000600	SIDEWALK REMOVAL	SQ FT	89			89
44003100	MEDIAN REMOVAL	SQ FT	248	248		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	400	400		
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	30	30		
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	25	25		
44201299	DOWEL BARS 1 1/2"	EACH	140	140		
44213208	TIE BARS 1 1/4"	EACH	140	140		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1	
50105220	PIPE CULVERT REMOVAL	FOOT	157	157		

*= SPECIALTY ITEM

				CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% VILLAGE
				ROADWAY	BRIDGE	TRAFFIC SIGNALS LIGHTING, SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0010	0021
				URBAN	URBAN	URBAN
50157300	PROTECTIVE SHIELD	SQ YD	517		517	
50200100	STRUCTURE EXCAVATION	CU YD	230		230	
50300225	CONCRETE STRUCTURES	CU YD	262.7		262.7	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	22		22	
50300260	BRIDGE DECK GROOVING	SQ YD	1,776		1776	
50300300	PROTECTIVE COAT	SQ YD	2,287		2287	
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	201		201	
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1	
50500505	STUD SHEAR CONNECTORS	EACH	9,468		9468	
50800105	REINFORCEMENT BARS	POUND	15,720		15720	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	206,540		206540	
50800515	BAR SPLICERS	EACH	973		973	
50901720	BICYCLE RAILING	FOOT	1,450	1192	258	
51100100	SLOPE WALL 4 INCH	SQ YD	114		114	
51500100	NAME PLATES	EACH	1		1	

				CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% VILLAGE
				ROADWAY	BRIDGE	TRAFFIC SIGNALS LIGHTING, SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0010	0021
				URBAN	URBAN	URBAN
* 51603000	DRILLED SHAFT IN SOIL	CU YD	40.9		**40.9**	
* 51604000	DRILLED SHAFT IN ROCK	CU YD	30.6		30.6	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE 1	EACH	24		24	
52100520	ANCHOR BOLTS, 1"	EACH	96		96	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	390		390	
54213447	END SECTIONS 12"	EACH	9	9		
54213456	END SECTIONS 21"	EACH	1	1		
54248510	CONCRETE COLLAR	CU YD	1	1		
550A0340	STORM SEWERS, CLASS A , TYPE 2, 12"	FOOT	239	239		
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	10	10		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	210		210	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	123		123	
60100945	PIPE DRAINS 12"	FOOT	364	364		
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2		

* *

*= SPECIALTY ITEM

				CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% VILLAGE
				ROADWAY	BRIDGE	TRAFFIC SIGNALS LIGHTING, SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0010	0021
				URBAN	URBAN	URBAN
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE EACH	EACH	1	1		
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	10	10		
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1		
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2		
60404950	FRAMES AND GRATES, TYPE 24	EACH	1	1		
60500040	REMOVING MANHOLES	EACH	1	1		
60500060	REMOVING INLETS	EACH	4	4		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,012	2012		
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	400	296		104
61000050	CONCRETE THRUST BLOCKS	EACH	14	14		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,854	1854		
* 63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	1,180	1180		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		

*= SPECIALTY ITEM

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nvarchetto	DESIGNED - N. VARCHETTO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
	DRAWN - M. GIRGIS	REVISED -		
PLOT SCALE=2.0000 ' / in.	CHECKED - P. KEEFE	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
PLOT DATE = 12/9/2020	DATE - 8/28/2020	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	8
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

REV. 1/19/21

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE ROADWAY 0004 URBAN	 80% FED 20% STATE BRIDGE 0010 URBAN	 100% VILLAGE TRAFFIC SIGNALS LIGHTING, SIDEWALK 0021 URBAN
	63200310	GUARDRAIL REMOVAL	FOOT	2,573	2573		
*	66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2		
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	570	570		
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2		
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1		
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1		
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4	4		
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18		
	67100100	MOBILIZATION	L SUM	1	1		
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	140	140		
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	18,278	18278		
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	162	162		
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	600	600		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	600	600		
	70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% STATE ROADWAY 0004 URBAN	CONSTRUCTION CODE: 80% FED 20% STATE BRIDGE 0010 URBAN	CONSTRUCTION CODE: 100% VILLAGE TRAFFIC SIGNALS LIGHTING, SIDEWALK 0021 URBAN
	70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2		
*	72000100	SIGN PANEL - TYPE 1	SQ FT	14	14		
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2		
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
	73000100	WOOD SIGN SUPPORT	FOOT	8	8		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,282	8282		
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	240	240		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	896	896		
*	78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	52	52		
*	78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	356	356		
*	78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	110	110		
*	78004358	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 8"	FOOT	1,020	1020		
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1,031	1031		
*	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	120	120		

					CONSTRUCTION CODE		
					80% FED 20% STATE	80% FED 20% STATE	100% VILLAGE
					ROADWAY	BRIDGE	TRAFFIC SIGNALS LIGHTING, SIDEWALK
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0010	0021
					URBAN	URBAN	URBAN
*	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	180	180		
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	155	155		
*	78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	23	23		
*	78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	7	7		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	155	155		
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	43			43
*	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	42			42
*	81028760	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	80			80
*	81104580	CONDUIT ATTACHED TO STRUCTURE, 2" DIA. STAINLESS STEEL	FOOT	40			40
*	81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA, PVC	FOOT	428			428
*	81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4			4
*	81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1510			1510
*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,176			1176

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% STATE ROADWAY 0004 URBAN	CONSTRUCTION CODE: 80% FED 20% STATE BRIDGE 0010 URBAN	CONSTRUCTION CODE: 100% VILLAGE TRAFFIC SIGNALS LIGHTING, SIDEWALK 0021 URBAN
*	82110008	LUIMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8			8
*	82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1			1
*	83003500	LIGHT POLE, ALUMINUM, 45 FT. M.H., 12 FT. DAVIT ARM	EACH	8			8
*	83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	8			8
*	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1			1
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	918			918
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	954			954
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	690			690
*	87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	4			4
*	87900200	DRILL EXISTING HANDHOLE	EACH	4			4
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	4			4
*	89502215	MODIFY EXISTING CONTROLLER FOUNDATION	EACH	1			1
	X0321963	MICRO-PILES	EACH	32		32	
	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1		

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nvarchetto	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=2.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/9/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-V8)R	KANKAKEE	134	12

CONTRACT NO. 66F11

ILLINOIS | FED. AID PROJECT

REV. 8/9/21 REV. 3/22/21

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% STATE ROADWAY 0004 URBAN	CONSTRUCTION CODE: 80% FED 20% STATE BRIDGE 0010 URBAN	CONSTRUCTION CODE: 100% VILLAGE TRAFFIC SIGNALS LIGHTING, SIDEWALK 0021 URBAN
X0323432	MICROPILE LOAD TEST	EACH	2		2	
X0323433	MICROPILE PROOF LOAD TEST	EACH	32		32	
X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	6	6		
X0327301	RELOCATE EXISTING MAILBOX	EACH	1	1		
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	24	24		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	566	566		
X0900020	THERMAL INTEGRITY PROFILE TESTING	EACH	14		14	
X0900044	THERMAL INTEGRITY PROFILE DATA COLLECTION	FOOT	325		325	
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ YD	84	84		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	2	2		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1		
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	1	1		
X4240100	PORTLAND CEMENT CONCRETE SIDEWALK (SPECIAL) WITH RETAINING WALL	SQ FT	8,292	8292		
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	1,112	1112		
X5537800	STORM SEWERS TO BE CLEANED, 12"	FOOT	228	228		

				CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% VILLAGE
				ROADWAY	BRIDGE	TRAFFIC SIGNALS LIGHTING, SIDEWALK
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0010	0021
				URBAN	URBAN	URBAN
X5537900	STORM SEWERS TO BE CLEANED, 15"	FOOT	114	114		
X5538000	STORM SEWERS TO BE CLEANED, 18"	FOOT	292	292		
X5538100	STORM SEWERS TO BE CLEANED, 21"	FOOT	280	280		
X5538400	STORM SEWERS TO BE CLEANED, 30"	FOOT	190	190		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	6,255	6255		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	288	288		
X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1			1
Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	109	109		
Z0005305	BOX CULVERTS TO BE CLEANED	FOOT	191	191		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	8		8	
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	14	14		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	21	21		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% STATE ROADWAY 0004 URBAN	80% FED 20% STATE BRIDGE 0010 URBAN	100% VILLAGE TRAFFIC SIGNALS LIGHTING, SIDEWALK 0021 URBAN
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	6,017	6017		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	SQ YD	250		250	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		
51100301	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	1,204		1204	
* Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1	1		
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1		

*= SPECIALTY ITEM

ENGINEERING RESOURCE ASSOCIATES

USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=2.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/10/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	15

CONTRACT NO. 66F11

ILLINOIS FED. AID PROJECT

REV. 1/19/21

EARTHWORK SCHEDULE

LOCATION			20200100									20400800			21101505								
STA	TO STA.	LENGTH	EARTH EXCAVATION (CU YD)			EARTH EX ADJ (25 %)			EMBANKMENT (CU YD)			FURNISHED EXCAVATION BALANCE [WASTE (+) SHORTAGE (-)] (CU YD)			TOPSOIL EXCAVATION & PLACEMENT			TOPSOIL TO BE PLACED			TOPSOIL BALANCE WASTE (+) SHORTAGE (-)		
			STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
136+00.00	136+20.00	20.0	0.0	0.0	6.8	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	2.7	0.0	0.0	0.7	0.0	0.0	2.0
136+20.00			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138+50.00	139+00.00	50.0	0.0	9.4	0.0	0.0	7.1	0.0	0.0	0.4	0.0	0.0	6.7	0.0	0.0	5.8	0.0	0.0	2.5	0.0	0.0	3.3	0.0
139+00.00	139+50.00	50.0	0.0	1.9	0.0	0.0	1.5	0.0	0.0	1.8	0.0	0.0	-0.3	0.0	0.0	8.1	0.0	0.0	4.9	0.0	0.0	3.1	0.0
139+50.00	140+00.00	50.0	0.0	0.9	0.0	0.0	0.7	0.0	0.0	3.5	0.0	0.0	-2.8	0.0	0.0	9.8	0.0	0.0	6.7	0.0	0.0	3.1	0.0
140+00.00	140+50.00	50.0	0.0	1.1	0.0	0.0	0.8	0.0	0.0	3.1	0.0	0.0	-2.3	0.0	0.0	9.5	0.0	0.0	6.3	0.0	0.0	3.2	0.0
140+50.00	141+00.00	50.0	3.2	5.0	0.0	2.4	3.8	0.0	0.2	7.2	0.0	2.2	-3.5	0.0	0.9	9.6	0.0	0.9	6.4	0.0	0.0	3.2	0.0
141+00.00	141+50.00	50.0	6.5	11.1	0.0	4.9	8.3	0.0	1.0	7.9	0.0	3.8	0.5	0.0	2.2	8.9	0.0	2.2	5.0	0.0	0.0	3.9	0.0
141+50.00	142+00.00	50.0	6.6	16.2	0.0	4.9	12.2	0.0	1.8	3.1	0.0	3.2	9.1	0.0	2.6	7.8	0.0	2.7	2.8	0.0	-0.1	5.0	0.0
142+00.00	142+50.00	50.0	6.3	20.6	0.0	4.7	15.5	0.0	1.8	5.3	0.0	3.0	10.2	0.0	2.8	10.7	0.0	3.1	4.9	0.0	-0.3	5.8	0.0
142+50.00	143+00.00	50.0	6.1	24.1	0.0	4.6	18.1	0.0	1.6	8.9	0.0	3.0	9.2	0.0	2.7	12.5	0.0	2.9	5.9	0.0	-0.2	6.6	0.0
143+00.00	143+50.00	50.0	6.4	24.9	0.0	4.8	18.7	0.0	1.1	14.8	0.0	3.7	3.9	0.0	2.1	12.5	0.0	2.2	5.8	0.0	-0.1	6.7	0.0
143+50.00	144+00.00	50.0	7.7	24.2	0.0	5.8	18.1	0.0	0.9	23.3	0.0	4.8	-5.2	0.0	1.9	14.9	0.0	2.0	8.2	0.0	-0.1	6.7	0.0
144+00.00	144+50.00	50.0	12.4	23.7	0.0	9.3	17.8	0.0	1.2	38.7	0.0	8.1	-20.9	0.0	2.8	20.0	0.0	2.0	13.2	0.0	0.7	6.8	0.0
144+50.00	145+00.00	50.0	18.7	23.1	0.0	14.0	17.4	0.0	1.8	73.9	0.0	12.3	-56.5	0.0	4.1	27.5	0.0	2.1	20.7	0.0	1.9	6.8	0.0
145+00.00	145+50.00	50.0	22.1	23.1	0.0	16.6	17.3	0.0	3.4	128.8	0.0	13.2	-111.5	0.0	5.2	32.1	0.0	2.7	25.4	0.0	2.5	6.8	0.0
145+50.00	146+00.00	50.0	22.9	23.1	0.0	17.2	17.3	0.0	4.1	198.5	0.0	13.1	-181.2	0.0	5.5	33.5	0.0	3.0	26.5	0.0	2.5	7.0	0.0
146+00.00	146+50.00	50.0	23.1	23.0	0.0	17.4	17.2	0.0	3.0	259.2	0.0	14.4	-241.9	0.0	4.6	34.6	0.0	2.4	27.7	0.0	2.2	6.9	0.0
146+50.00	147+00.00	50.0	23.2	23.0	0.0	17.4	17.2	0.0	2.2	261.3	0.0	15.2	-244.1	0.0	4.2	35.3	0.0	1.9	28.7	0.0	2.2	6.6	0.0
147+00.00	147+50.00	50.0	23.2	23.0	0.0	17.4	17.2	0.0	2.0	253.5	0.0	15.4	-236.3	0.0	4.3	35.6	0.0	1.9	29.0	0.0	2.4	6.7	0.0
147+50.00			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRIDGE																							
149+50.00	150+00.00	50.0	21.9	21.9	0.0	16.4	16.4	0.0	4.6	281.5	0.0	11.8	-265.1	0.0	5.6	42.8	0.0	3.1	36.1	0.0	2.4	6.7	0.0
150+00.00	150+50.00	50.0	21.7	21.9	0.0	16.3	16.4	0.0	4.5	300.3	0.0	11.7	-283.9	0.0	5.6	41.3	0.0	3.1	35.5	0.0	2.5	5.8	0.0
150+50.00	151+00.00	50.0	21.8	22.2	0.0	16.3	16.7	0.0	4.4	234.6	0.0	11.9	-218.0	0.0	5.5	39.6	0.0	2.9	32.8	0.0	2.6	6.9	0.0
151+00.00	151+50.00	50.0	21.7	22.3	0.0	16.3	16.7	0.0	5.1	136.2	0.0	11.2	-119.5	0.0	5.6	37.6	0.0	2.9	29.8	0.0	2.7	7.8	0.0
151+50.00	152+00.00	50.0	21.3	22.4	0.0	16.0	16.8	0.0	5.1	92.6	0.0	10.9	-75.8	0.0	5.8	29.7	0.0	3.1	23.0	0.0	2.7	6.8	0.0
152+00.00	152+50.00	50.0	21.6	23.1	0.0	16.2	17.3	0.0	4.6	61.7	0.0	11.6	-44.4	0.0	5.6	23.4	0.0	3.1	16.8	0.0	2.5	6.7	0.0
152+50.00	153+00.00	50.0	19.9	23.1	0.0	14.9	17.3	0.0	4.3	44.9	0.0	10.7	-27.6	0.0	5.1	18.9	0.0	2.9	12.2	0.0	2.2	6.7	0.0
153+00.00	153+50.00	50.0	19.9	22.9	0.0	14.9	17.2	0.0	3.7	23.3	0.0	11.2	-6.2	0.0	5.3	13.9	0.0	3.1	7.1	0.0	2.2	6.8	0.0
153+50.00	154+00.00	50.0	18.7	23.7	0.0	14.0	17.8	0.0	5.7	16.7	0.0	8.3	1.1	0.0	5.2	13.0	0.0	2.5	6.1	0.0	2.7	6.9	0.0
154+00.00	154+50.00	50.0	19.5	25.0	0.0	14.7	18.8	0.0	7.0	11.4	0.0	7.6	7.4	0.0	4.4	11.5	0.0	1.8	4.9	0.0	2.7	6.6	0.0
154+50.00	155+00.00	50.0	20.3	22.8	0.0	15.2	17.1	0.0	3.6	6.5	0.0	11.6	10.6	0.0	4.0	10.7	0.0	2.0	4.7	0.0	1.9	6.0	0.0
155+00.00	155+50.00	50.0	12.8	14.9	0.0	9.6	11.2	0.0	1.9	8.0	0.0	7.7	3.2	0.0	5.2	12.9	0.0	4.4	8.0	0.0	0.7	4.9	0.0
155+50.00			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB- TOTAL PER STAGE:			429.4	567.4	6.8	322.1	425.6	5.1	80.7	2510.7	0.0	241.4	-2085.2	5.1	108.5	624.2	2.7	66.9	447.6	0.7	41.7	176.6	2.0
TOTAL:			1003.6			752.7			2591.4			-1838.7			735.4			515.2			220.2		

EARTHWORK NOTES:

1. EARTH EXCAVATION, STOCKPILE (IF REQUIRED) AND SUBSEQUENT PLACEMENT (WHEN APPLICABLE) SHALL ONLY BE MEASURED AND PAID FOR ONCE, NOT EACH TRANSPORT, ALL STOCKPILES TO BE APPROVED OF BY ENGINEER.

2. EXISTING TOPSOIL EXCAVATION SHALL BE MEASRED IN PLACE AND PAID PER CUBIC YARD AS "TOPSOIL EXCAVATION AND PLACEMENT". EXISTING TOPSOIL IS ASSUMED TO BE SUITABLE FOR PROPOSED TOPSOIL. AN ASSUMED DEPTH OF 4" WAS USED TO CALCULATE EXISTING TOPSOIL.

3. TOPSOIL STRIPPED IN EXCESS OF THAT REQUIRED FOR THE CONTRACT, SHALL BE RMEOVED PER ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN THE COST OF THE INITIAL "TOPSOIL EXCAVATION AND PLACEMENT".

LOCATION	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	40603218 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,	40604112 POLYMERIZED HOT-MIX ASPHALT SURFACE, IL-9.5FG,	42000080 PAVEMENT CONNECTOR (PPC) FOR BRIDGE APPROACH SLAB	440000159 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	44003100 MEDIAN REMOVAL
STA TO STA	(SQ YD)	TON	TON	(SQ YD)	(SQ YD)	(SQ FT)
140+0 - 141+00	333					
141+0 - 142+00		92.4	47.2		666.2	
142+0 - 143+00		95.6	48.6		662.2	
143+0 - 144+00		108.6	47.5		636.9	
144+0 - 145+00		165.8	46.7		601.8	
145+0 - 146+00		346.3	46.7		580.0	
146+0 - 147+00		418.9	46.7		578.2	
147+0 - 148+00		47.1	4.5	129.0	56.2	124.0
148+0 - 149+00		0.0	0.0	86.7	0.0	0.0
149+0 - 150+00		0.0	0.0		0.0	124.0
150+0 - 151+00		262.1	46.7	42.3	633.4	
151+0 - 152+00		219.1	46.7		649.9	
152+0 - 153+00		177.5	46.7		650.9	
153+0 - 154+00		135.3	46.7		656.7	
154+0 - 155+00		68.3	46.3		654.7	
155+0 - 155+50		38.5	21.3		304.5	
155+5 - 156+00	312					
	645.0	2175.5	542.1	258.0	7331.5	248.0
ADJUSTED =	645	2176	543	258	7332	248

LOCATION	70300100 SHORT TERM PAVEMENT MARKING	70300150 SHORT TERM PAVEMENT MARKING REMOVAL	70300210 TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	70300220 TEMPORARY PAVEMENT MARKING - LINE 4"	70300260 TEMPORARY PAVEMENT MARKING - LINE 12"	70400100 TEMPORARY CONCRETE BARRIER	70400200 RELOCATE TEMPORARY CONCRETE BARRIER	70600250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	70600350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	X7040125 PINNING TEMPORARY CONCRETE BARRIER
	(FOOT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)
137+00 - 138+00					98					
138+00 - 139+00				275.9	64					
139+00 - 140+00				318.76						
140+00 - 141+00				691.9						
141+00 - 142+00				1001.34						
142+00 - 143+00				1101.85						
143+00 - 144+00				1090.68						
144+00 - 145+00				900.2						
145+00 - 146+00				900		42	42	1	1	20
146+00 - 147+00				900		100	100			48
147+00 - 148+00				900		100	100			48
148+00 - 149+00				900		100	100			48
149+00 - 150+00				900		100	100			48
150+00 - 151+00				900		100	100			48
151+00 - 152+00				900		58	58	1	1	28
152+00 - 153+00				900						
153+00 - 154+00				900.2						
154+00 - 155+00				900.19						
155+00 - 156+00				851.64						
156+00 - 157+00				735.2						
157+00 - 158+00				722.1						
158+00 - 159+00				635.4						
159+00 - 160+00				520.2						
160+00 - 161+00				432.4						
	0.0	0.0	0.0	18278.0	64.0	600.0	600.0	2.0	2.0	288.0
ADJUSTED =	0	0	0	18278	64	600	600	2	2	288

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=40.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/9/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF SCHEDULES

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	16
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

SFILES

LOCATION	OFFSET	30300112 SUBBASE GRANULAR MATERIAL, TYPE A 12"	31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4"	35400500 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	40600290 BITUMINOUS MATERIAL (TACK COAT)	42001300 PROTECTIVE COAT	44000100 PAVEMENT REMOVAL	44000500 COMBINATION CURBAND GUTTER REMOVAL	60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	60605100 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING	X4240100 PORTLAND CEMENT CONCRETE SIDEWALK (SPECIAL) WITH RETAINING WALL
STA TO STA		(SQ YD)	(SQ YD)	(SQ YD)	(POUND)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)
136+0 - 137+00	LT		30.4			48.19		52.0		52.10	
140+0 - 141+00	LT										
141+0 - 142+00	LT				170.5	34.3	11.1	100.0		100.0	
142+0 - 143+00	LT				167.5	34.3	11.1	100.0		100.0	
143+0 - 144+00	LT	2.6		0.6	155.6	34.3	11.1	100.0	5.0	95.0	
144+0 - 145+00	LT	71.4		31.5	150.0	34.3	11.1	100.0	100.0		
145+0 - 146+00	LT	93.2		53.4	150.0	34.3	11.1	100.0	100.0		
146+0 - 147+00	LT	94.3		54.4	150.0	34.3	11.1	100.0	100.0		
147+0 - 148+00	LT	9.1		5.3	14.5	3.3	72.8	9.7	9.7		
148+0 - 149+00	LT						0.0				
149+0 - 150+00	LT						36.1				
150+0 - 151+00	LT	89.3		52.0	150.0	32.1	31.5	93.7	93.7		
151+0 - 152+00	LT	95.4		55.6	150.0	34.3	11.1	100.0	100.0		
152+0 - 153+00	LT	95.4		55.6	150.0	34.3	11.1	100.0	100.0		
153+0 - 154+00	LT	95.4		55.6	150.0	34.3	11.1	100.0	100.0		
154+0 - 155+00	LT	92.9		53.1	148.8	34.3	11.1	100.0	100.0		
155+0 - 155+50	LT	32.4		12.5	67.8	17.2	5.6	50.1	50.1		
136+0 - 137+00	RT		9.9			27.7		52.0		52.0	
138+0 - 139+00	RT		35.7			35.7					
139+0 - 140+00	RT		55.6			55.6					
140+0 - 141+00	RT		55.6			55.6					
141+0 - 142+00	RT	61.1	82.4	21.2	132.8	116.6	11.1	100.0	100.0		741.53
142+0 - 143+00	RT	84.5	77.8	44.7	160.9	112.1	11.1	100.0	100.0		700.62
143+0 - 144+00	RT	95.4	77.8	55.6	150.0	112.0	11.1	100.0	100.0		700.00
144+0 - 145+00	RT	95.4	77.8	55.6	150.0	112.0	11.1	100.0	100.0		700.00
145+0 - 146+00	RT	95.4	77.8	55.6	150.0	112.0	11.1	100.0	100.0		700.00
146+0 - 147+00	RT	95.4	77.8	55.6	150.0	112.0	11.1	100.0	100.0		700.00
147+0 - 148+00	RT	9.2	7.5	5.4	14.5	10.8	58.3	9.7	9.7		67.62
148+0 - 149+00	RT										
149+0 - 150+00	RT		14.6			14.6	50.6				131.25
150+0 - 151+00	RT	89.3	77.8	52.0	150.0	109.9	31.5	93.7	93.7		700.00
151+0 - 152+00	RT	95.4	77.8	55.6	150.0	112.0	11.1	100.0	100.0		700.00
152+0 - 153+00	RT	95.4	77.8	55.6	150.0	112.0	11.1	100.0	100.0		700.00
153+0 - 154+00	RT	95.4	77.8	55.6	150.0	112.0	11.1	100.0	100.0		700.00
154+0 - 155+00	RT	92.9	77.8	53.1	144.8	112.0	11.1	100.0	100.0		700.00
155+0 - 155+50	RT	32.4	38.9	12.5	61.9	56.1	5.6	50.1	50.1		350.00
		1808.2	1108.3	1007.2	3489.5	1934.2	514.3	2410.9	2011.9	399.1	8291.0
ADJUSTED =		1809	1109	1008	3490	1935	515	2411	2012	400	8292

LOCATION	OFFSET	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	42400800 DETECTABLE WARNINGS	44000600 SIDEWALK REMOVAL
STA TO STA		(SQ FT)	(SQ FT)	(SQ FT)
136+0 - 137+00	LT	273.4	10.00	89
136+0 - 137+00	RT	88.94	10.00	
138+0 - 139+00	RT	320.95	10.00	
139+0 - 140+00	RT	500		
140+0 - 141+00	RT	500		
		1683.3	30.0	89.0
ADJUSTED =		1684	30	89

GUARDRAIL AND BARRIER WALL SCHEDULE

LOCATION	OFFSET	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS	63100085 TRAFFIC BARRIER TERMINAL, TYPE 6	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL TANGENT)	63200310 GUARDRAIL REMOVAL	72501000 TERMINAL MARKER - DIRECT APPLIED	78200006 GUARDRAIL REFLECTORS, TYPE B	78200010 BARRIER WALL REFLECTORS, TYPE B	X0326649 LINEAR DELINEATOR PANELS, 6 INCH	X0327809 LINEAR DELINEATOR PANELS, 4 INCH
STA TO STA		(FOOT)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
140+00 - 141+00	RT			1	1.0					
141+00 - 142+00	LT	45.0		1	68.6	1				
141+00 - 142+00	RT	75.0			100.0	1	1			
142+00 - 143+00	LT	100.0			100.0		2			1
142+00 - 143+00	RT	100.0			100.0		1			2
143+00 - 144+00	LT	100.0			100.0		1			1
143+00 - 144+00	RT	100.0			100.0		1			1
144+00 - 145+00	LT	100.0			100.0		1			2
144+00 - 145+00	RT	100.0			100.0		2			1
145+00 - 146+00	LT	100.0			100.0		1			1
145+00 - 146+00	RT	100.0			100.0		1			1
146+00 - 147+00	LT	100.0			100.0		2			1
146+00 - 147+00	RT	87.5			100.0		1			2
147+00 - 148+00	LT	11.5	1		100.0			1		1
147+00 - 148+00	RT	0.0	1		100.0			1	1	
148+00 - 149+00	LT	0.0			100.0			1	2	
148+00 - 149+00	RT	0.0			100.0			2	1	
149+00 - 150+00	LT	0.0	1		100.0			1	1	
149+00 - 150+00	RT	0.0	1		100.0			1	1	
150+00 - 151+00	LT	86.5			100.0		2			1
150+00 - 151+00	RT	81.0			100.0		1			2
151+00 - 152+00	LT	100.0			100.0		1			1
151+00 - 152+00	RT	100.0			100.0		1			1
152+00 - 153+00	LT	42.5		1	67.6	1				1
152+00 - 153+00	RT	100.0			100.0		2			1
153+00 - 154+00	RT	100.0			100.0		1			1
154+00 - 155+00	RT	100.0			100.0		1			2
155+00 - 156+00	RT	25.0		1	36.1	1				
		1854	4	4	2573.3	4	23	7	6	24
	ADJUS	1854	4	4	2574	4	23	7	6	24

SEEDING AND EROSION CONTROL SCHEDULE

LOCATION	25000210	25000400	25000500	25000600	25100630	28000305	28000400	28000500
	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
STA TO STA	(ACRE)	POUND	POUND	POUND	(SQ YD)	(FOOT)	(FOOT)	(EACH)
136+00 - 137+00								1
137+00 - 138+00								1
138+00 - 139+00	0.03	2.3	2.3	2.3	121			1
139+00 - 140+00	0.06	5.3	5.3	5.3	285		108	1
140+00 - 141+00	0.19	17.3	17.3	17.3	928		200	2
141+00 - 142+00	0.22	20.2	20.2	20.2	1087	8	200	1
142+00 - 143+00	0.22	19.6	20	19.6	1052	25	200	2
143+00 - 144+00	0.22	19.6	20	19.6	1055		200	
144+00 - 145+00	0.23	21.0	21	21.0	1131	8	200	4
145+00 - 146+00	0.23	21.0	21	21.0	1129		144	
146+00 - 147+00	0.24	21.7	22	21.7	1165	8	196	
147+00 - 148+00	0.29	25.7	26	25.7	1383		215	2
148+00 - 149+00	0.13	12.1	12	12.1	652		109	
149+00 - 150+00	0.29	26.2	26	26.2	1408		191	2
150+00 - 151+00	0.24	21.6	22	21.6	1160		200	1
151+00 - 152+00	0.21	18.5	18	18.5	994		200	
152+00 - 153+00	0.18	16.0	16	16.0	861		200	4
153+00 - 154+00	0.12	10.7	11	10.7	575		213	
154+00 - 155+00	0.09	8.4	8.4	8.4	451		200	3
155+00 - 156+00	0.04	3.9	3.9	3.9	211		99	
156+00 - 157+00							100	1
157+00 - 158+00							46	
	3.25	290.9	290.9	290.9	15646.6	49.0	3221.1	26.0
ADJUSTED =	3.3	291	291	291	15647	49	3222	26

MONUMENT NUMBER	DESCRIPTION	APPROXIMATE LOCATION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
POT1460000	POT STA 146+00.00			TYPE 1	NO	1
POT1485800	POT STA 148+58.00 CENTER OF BRIDGE			CUT CROSS	NO	1
ARNW21	NW CORNER SECTION 21, T31N, R12E, 3RD PM	PI STA 153+18.70 0.14' LT. 66F11	MAG NAIL	TYPE 1	YES	1

UNKNOWN MONUMENTS SET BY OTHERS MAY EXIST. IF FOUND, R.E. WILL DIRECT PLATS AND PLANS TO TO GPS ANY MONUMENT SUBJECT TO DESTRUCTION FROM THE BRIDGE REPLACEMENT WORK FOR THE PURPOSE OF RESETTING IT AFTER JOB COMPLETION.
R.E. WILL DIRECT PLATS AND PLANS TO SEARCH FOR ADDITIONAL MONUMENTS IF THE CONSTRUCTION LIMITS ARE EXPANDED DURING CONSTRUCTION.
UPON PAVING COMPLETION, R.E. WILL DIRECT PLATS AND PLANS PERSONNEL TO STAKE THE LOCATION(S) FOR TYPE 1 MONUMENT CORING.
PLATS AND PLANS WILL PREPARE AND RECORD THE REQUIRED MONUMENT RECORD.
NOTE: FOR BIDDING PURPOSES, NO CONTRACTED LAND SURVEYING SERVICES WILL BE REQUIRED FOR SETTING THE LISTED PERMANENT SURVEY MARKERS.

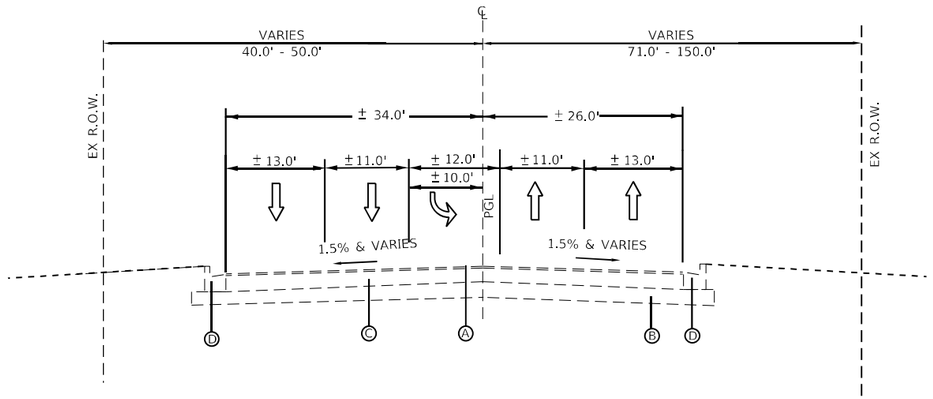
RESPONSIBILITY:
1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)
2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

PERMANENT PAVEMENT MARKING SCHEDULE

LOCATION	78000200	78000500	78000600	78003100	78003130	78003180	78004358	78008210	78008230	78008250	78100100
	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING -LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING TYPE B - LETTERS AND SYMBOLS	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID -LINE 8"	POLYUREA PAVEMENT MARKING TYPE I -LINE 4"	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	POLYUREA PAVEMENT MARKING TYPE I -LINE 12"	RAISED REFELCTIVE PAVEMENT MARKER
STA TO STA	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
136+00 - 137+00					126						
137+00 - 138+00					176.5	34					
138+00 - 139+00	341	70		17.4	53.6	49	40				8
139+00 - 140+00	400	100		17.4			60				11
140+00 - 141+00	400	70		17.4			40				10
141+00 - 142+00	400		20				60				8
142+00 - 143+00	400		68				40				6
143+00 - 144+00	400		60				60				8
144+00 - 145+00	400		80				40				8
145+00 - 146+00	400		60				60				8
146+00 - 147+00	400		80				40				6
147+00 - 148+00	273		20				20	284	40	40	8
148+00 - 149+00							0	400	40	80	8
149+00 - 150+00	42						0	348	40	60	8
150+00 - 151+00	400		80				60				6
151+00 - 152+00	400		80				60				8
152+00 - 153+00	400		60				40				8
153+00 - 154+00	400		80				60				8
154+00 - 155+00	400		60				40				6
155+00 - 156+00	400		40				60				8
156+00 - 157+00	400		18				40				8
157+00 - 158+00	400		24				60				8
158+00 - 159+00	400		24				40				6
159+00 - 160+00	400		18				60				8
160+00 - 161+00	400		24			27	40				6
161+00 - 162+00	25.2										
	8256	240	896	52.2	356.1	110	1020	1031	120	180	155
ADJUSTED =	8257	240	896	53	357	111	1020	1031	120	180	155

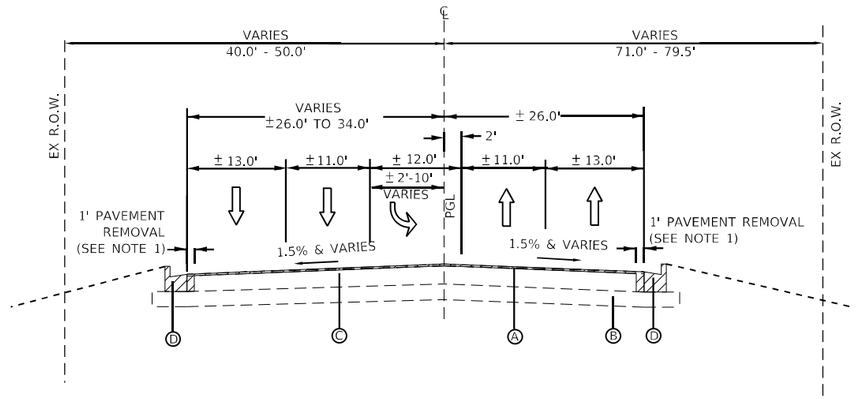
LOCATION			54213447	54213456	54248510	60201340	60219000	60237470	60250200	60255500	60404950	60500040	60500060	61000050	X0322936	Z0018500
			END SECTIONS, 12"	END SECTIONS, 21"	CONCRETE COLLAR	CATCH BASINS, TYPE A, 4'DIAMETER, TYPE 24 FRAME AND GRATE	MANHOLES, TYPE A, 4'DIAMETER, TYPE 8 GRATE	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	CATCH BASINS TO BE ADJUSTED	MANHOLES TO BE ADJUSTED	FRAMES AND GRATES, TYPE 24	REMOVING MANHOLES	REMOVING INLETS	CONCRETE THRUST BLOCKS	REMOVE EXISTING FLARED END SECTION	DRAINAGE STRUCTURES TO BE CLEANED
STR #	STA	OS	(EACH)	(EACH)	(CU YD)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
313	136+30.0	44.4'LT							1		1					
314	136+73.0	27.9'RT														1
315	136+82.8	36.0'RT														1
317	137+93.0	36.2'LT														1
318	138+01.2	36.2'LT														1
319	138+00.0	27.7'RT														1
320	138+06.0	35.7'RT														1
321	138+14.0	43.8'RT														1
322	139+74.4	27.9'RT														1
323	139+74.7	35.9'RT								1						
324	140+94.0	60.5'RT								1						
329	140+98.2	35.5'LT														1
327	141+54.5	129.9'RT														1
326	141+59.5	77.4'RT														1
328	141+72.7	60.2'LT														1
102	142+17.0	58.0'RT	1													
104	142+17.0	62.7'LT	1													
101	142+17.0	29.0'RT						1								
103	142+17.0	35.0'LT						1						2		
300	144+26.2	30.4'LT											1			
302	144+26.7	27.6'RT											1			
106	144+67.0	70.5'RT	1													
108	144+67.0	70.1'LT	1													
105	144+67.0	31.0'RT						1						2		
107	144+67.0	31.0'LT						1						2		
111	147+17.0	31.0'LT						1						2		
109	147+17.0	82.2'RT	1													
110	147+17.0	31.0'RT				1										
112	149+99.0	98.7'RT	1													
113	149+99.0	31.0'RT				1								2		
114	149+99.0	31.0'LT						1								
304	150+49.6	77.2'LT														1
	150+50.7	86.3'RT			0.24											
305	150+50.9	86.3'RT													1	
115	150+50.7	98.1'RT		1												
308	152+48.7	27.8'RT											1			
117	152+49.0	77.7'RT	1											2		
119	152+49.0	55.8'LT	1													
116	152+49.0	31.0'RT						1								
118	152+49.0	31.0'LT						1						2		
307	152+49.5	27.7'LT											1			
120	154+06.0	49.4'LT					1									
311	154+06.2	49.4'LT										1				
312	154+09.5	67.2'LT														1
121	154+70.0	31.0'LT						1								
123	154+70.0	31.0'RT						1								
122	154+70.0	60.2'RT	1													
			9	1	0.24	2	1	10	1	2	1	1	4	14	1	14
		ADJUSTED =	9	1	0.3	2	1	10	1	2	1	1	4	14	1	14

LOCATION		OFFSET	20800150	28100203	28200200	50105220	550A0340	550A0400	60100945	Z0005305	X5537800	X5538000	X5538100	X5538400	X5537900
			TRENCH BACKFILL	STONE RIPRAP, CLASS A2	FILTER FABRIC	PIPE CULVERT REMOVAL	STORM SEWERS, CLASS A, TYPE 2 12"	STORM SEWERS, CLASS A, TYPE 2 21"	PIPE DRAINS 12"	BOX CULVERTS TO BE CLEANED	STORM SEWER TO BE CLEANED, 12"	STORM SEWER TO BE CLEANED, 18"	STORM SEWER TO BE CLEANED, 21"	STORM SEWER TO BE CLEANED, 30"	STORM SEWER TO BE CLEANED, 15"
STA	TO STA		(CU YD)	(TON)	(SQ YD)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
136+00	137+00	VAR									81.0				
136+00	137+00	RT									12.8	17.2			113.8
136+00	137+00	LT									8.1				
137+00	138+00	RT										106.0			
138+00	139+00	VAR									64.0				
138+00	139+00	RT									21.3	94.0			
139+00	140+00	RT									8.0	74.7		25.9	
140+00	141+00	RT									32.8			102.1	
141+00	142+00	VAR								190.5					
141+00	142+00	RT												61.5	
142+00	143+00	LT	8.7	1.9	8.3				36.0						
142+00	143+00	RT	7.6	1.9	8.3		30.0								
144+00	145+00	LT	12.9	1.9	8.3	35.8			48.0						
144+00	145+00	RT	14.0	1.9	8.3	42.9			52						
147+00	148+00	RT	30.2	1.9	8.3										
147+00	148+00	VAR	34.1				59.0		67.0						
149+00	150+00	RT		1.9	8.3										
149+00	150+00	VAR	27.4				59.0								
149+00	150+00	RT							82.0						
150+00	151+00	VAR											163.3		
150+00	151+00	RT	5.0					10.0							
152+00	153+00	LT	6.0	1.9	8.3	28.1			26.0						
152+00	153+00	RT	16.8	1.9	8.3	49.9			53.0						
154+00	155+00	RT	33.8	1.9	8.3		27.0								
154+00	155+00	LT	8.2				64.0						116.6		
			204.8	16.9	75.0	156.7	239.0	10.0	364.0	190.5	228.0	291.9	279.9	189.5	113.8
		ADJUSTED =	205	17	75	157	239	10	364	191	228	292	280	190	114



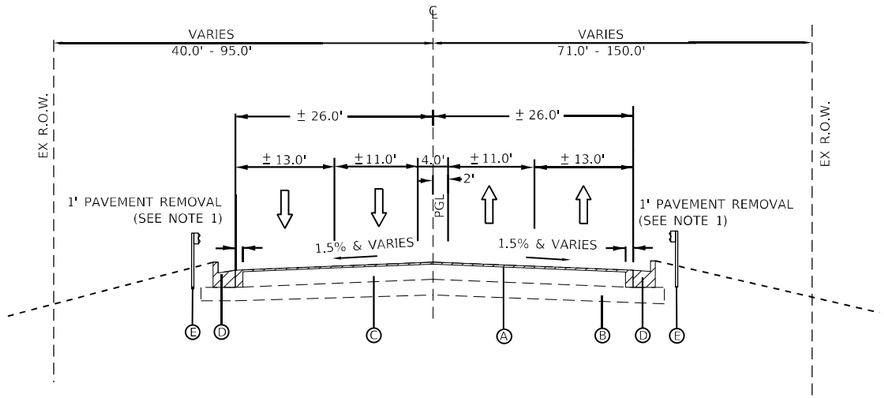
ARMOUR ROAD
EXISTING TYPICAL SECTION

STA. 138+44 TO STA. 141+00



ARMOUR ROAD
EXISTING TYPICAL SECTION

STA. 141+00 TO STA. 145+00



ARMOUR ROAD
EXISTING TYPICAL SECTION

STA. 145+00 TO STA. 147+19
STA. 149+97 TO STA 155+50

EXISTING LEGEND

- (A) EXITING 2½" OF HMA SURFACE
- (B) EXISTING AGGREGATE SUB- BASE
- (C) EXISTING CONCRETE PAVEMENT, 10"
- (D) EXISTING PCC CURB AND GUTTER B-6.24
- (E) EXISTING GUARDRAIL

TO BE REMOVED

NOTES

1. PAVEMENT TO BE SAW CUT 1' OFFSET EDGE OF PAVEMENT TO ALLOW FOR CLEAN LINES AT FACE OF WIDENING. SAW CUTTING SHALL BE INCLUDED IN THE CONTRACT UNIT TO THE COST OF PAVEMENT REMOVAL
2. EXISTING HMA THICKNESS IS ESTIMATED AT 2 1/2" AND MAY VARY. THE CONTRACTOR SHALL REMOVE THE ENTIRE HMA MATERIAL OVER THE P.C.C. BASE COURSE. THIS WORK SHALL BE PAID AS HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½" DEPTH.

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTION

SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	20
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

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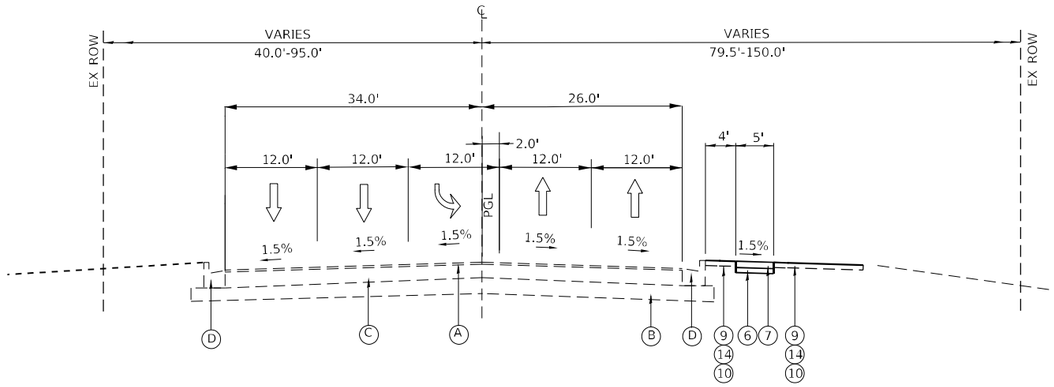
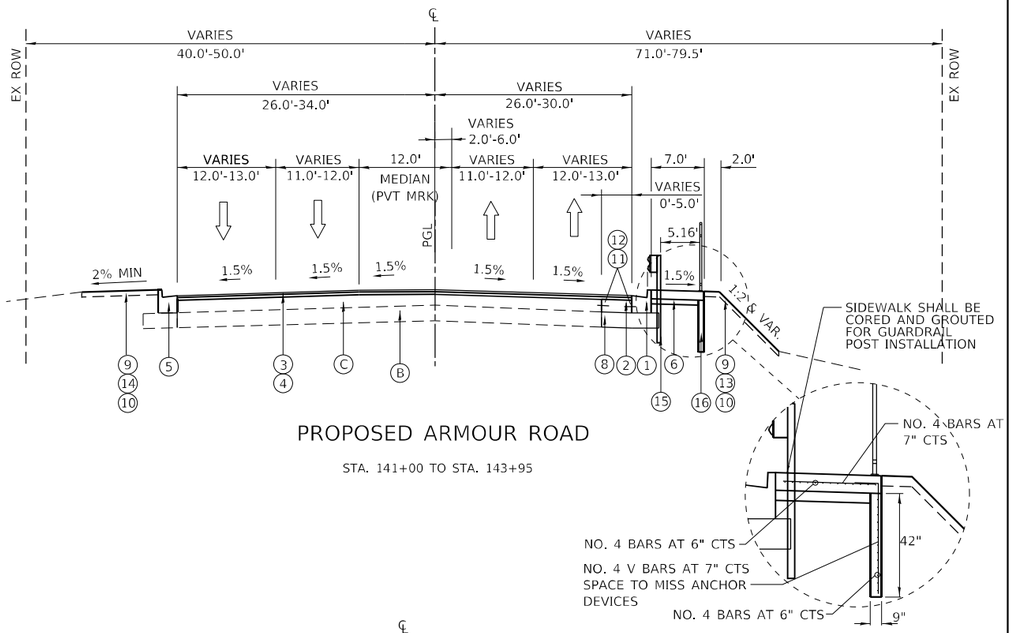


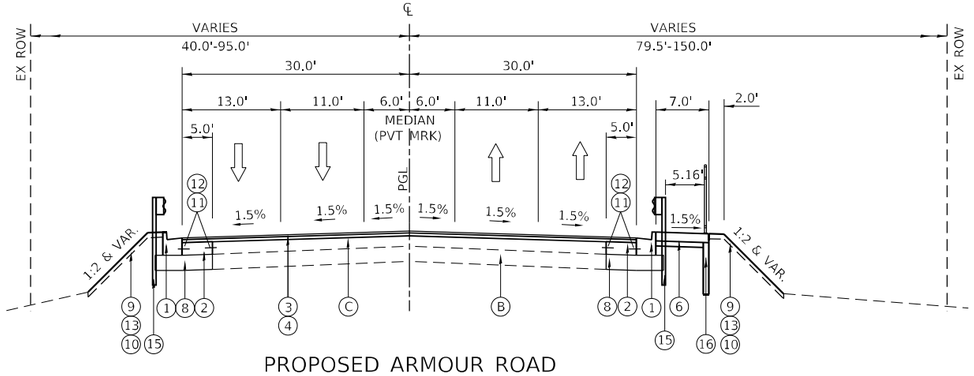
PROPOSED ARMOUR ROAD

STA. 138+44 TO STA. 141+00



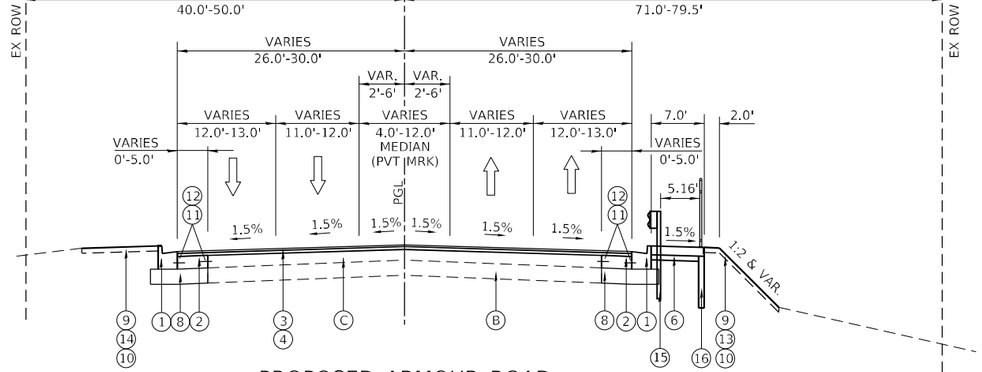
PROPOSED ARMOUR ROAD

STA. 141+00 TO STA. 143+95



PROPOSED ARMOUR ROAD

STA. 143+95 TO STA.147+29
STA. 150+00 TO STA.154+70



PROPOSED ARMOUR ROAD

STA. 154+70 TO STA.155+50

EXISTING LEGEND

- (A) EXISTING 2½" OF HMA SURFACE
- (B) EXISTING AGGREGATE SUB-BASE
- (C) EXISTING CONCRETE PAVEMENT, 10"
- (D) EXISTING B-6.24 CURB AND GUTTER

PROPOSED LEGEND

1. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
2. PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"
3. POLMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70 (1 1/4")
4. POLMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 (VAR DEPTH)
5. COMB CC&G TB6.24 AEP
6. SUB-BASE GRANULAR MATERIAL TYPE B, 4"
7. PORLAND CEMENT CONCRETE SIDEWALK 5 INCH
8. SUBBASE GRANULAR MATERIAL, TYPE A 12"
9. SEEDING, CLASS 2A
10. FURNISH, TOPSOIL, 4"
11. LONGITUDINAL CONSTRUCTION JOINT DRILLED AND GROUTED IN PLACE, NO. 6 TIE BAR AT 24" LONG, DEFORMED (EPOXY COATED) AT 24" CTS.(INCLUDED IN THE COST OF THE PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10")
12. NO.6 TIE BAR AT 24" LONG, DEFORMED (EPOXY COATED) AT 24" CTS. (INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER)
13. EROSION CONTROL BLANKET
14. MULCH METHOD, TY 2
15. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
16. PORLAND CEMENT CONCRETE SIDEWALK (SPECIAL) WITH RETAINING WALL

MIXTURE TABLES

LOCATIONS	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER	HMA SURFACE	HMA DRIVEWAYS
BINDER GRADE (PG):	SBS PG70-28	SBS PG70-28	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5 FG	IL 9.5 FG	IL 9.5
FRICTION AGGREGATE:		MIXTURE D	
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGMENT PROGRAM:	QCQA	QCQA	QCQA
SUBLOT SIZE:	NA	NA	NA
DESITY TEST METHOD:	CORES	CORES	SATISFACTION OF ENGINEER

DRIVEWAYS

PAY ITEM DESCRIPTION	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 IL-9.5 mm	4% @ 50 Gyr.

NOTES

1. CLASS B PATCHING, AFTER MILLING, LOCATIONS TO BE FIELD VERIFIED BY ENGINEER
2. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD-IN
3. SUBBASE GRANULAR MATERIAL, TYPE A 12" UNDER THE PROPOSED WIDENING AND PROPOSED CURB SHALL EXTEND 12" BEYOND BACK OF CURB.
4. LONGITUDINAL JOINT SEALANT PLACED AT THE CENTERLINE AND LANE LINES UNDER THE SURFACE MIX (TOTAL OF 1 LIFT).

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

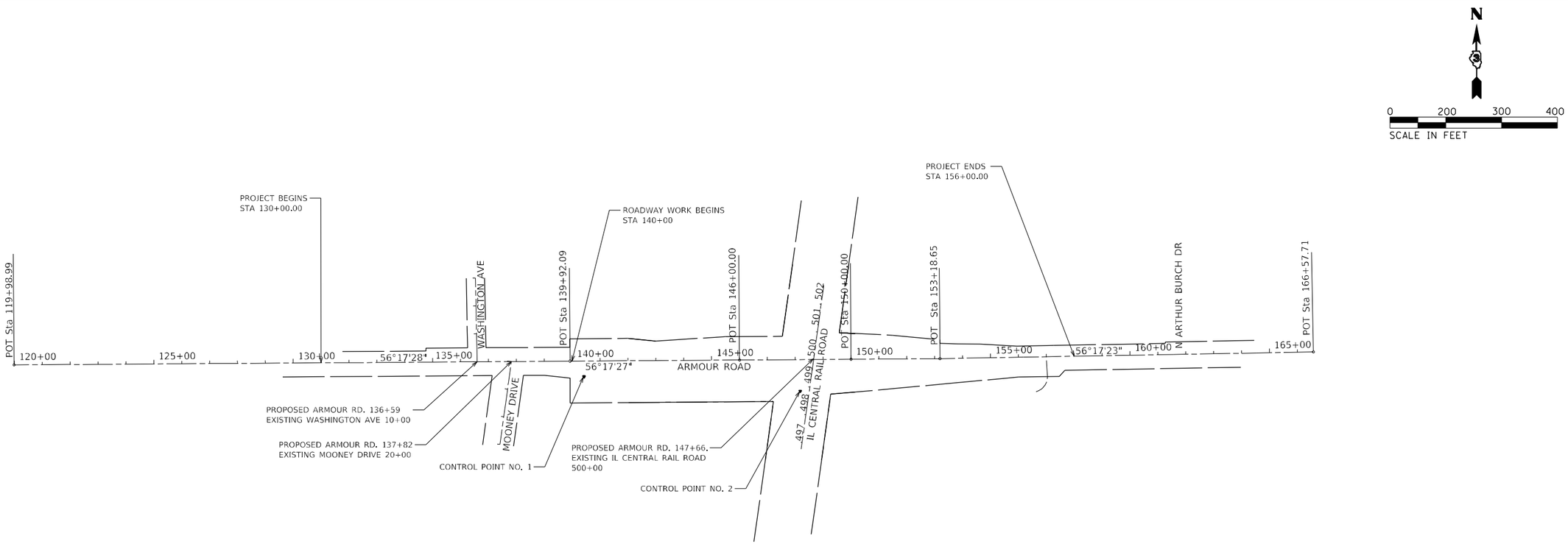
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTION

SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	21
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

SFILES



BENCHMARKS

BM 1: STA 147+56.41 33.62' RT
EL.701.18 - CHISELED BOX IN
SW CORNER OF BRIDGE

BM 2: STA 149+50.44 33.60' RT
EL.701.17 - CHISELED BOX IN
SE CORNER OF BRIDGE

BM 3: STA. 159+32.67 46.97' RT
EL 677.24 - CHISELED BOX IN
UPPER FLANGE BOLT OF HYDRANT

BM 4: STA. 152+86.73 93.31' RT
EL. 675.90 - PR SPIKE IN
UTILITY POLE

BM 5: STA 145+33.93 147.30' RT
EL.675.27 - PR SPIKE IN UTILITY POLE

BM 6: STA 140+28.95 147.30' RT
EL.676.03 - CHISELED CROSS IN UPPER
FLANGE BOLT OF HYDRANT

BM 7: STA. 149+25.91 125.60' RT
EL. 671.49 - TOP ROW MARKER

CENTERLINE ARMOUR RD ALIGNMENT DATA

POT STATION	NORTHING	EASTING
119+98.99	1,637,803.20	1,112,365.81
139+92.09	1,637,816.63	1,114,358.87
146+00.00	1,637,820.73	1,114,966.76
150+00.00	1,637,823.42	1,115,366.75
153+18.65	1,637,825.57	1,115,685.40
166+57.71	1,637,849.67	1,117,024.24

CONTROL POINTS

POINT #	TYPE	NORTHING	EASTING	LOCATION	ELEVATION
1	CROSS CUT	1,637,760.97	1,114,409.23	STA. 140+42.49, OFFSET 53.26' RT	675.06
2	CROSS CUT	1,637,701.23	1,115,983.77	STA. 148+20.06, OFFSET 115.03 RT	671.52

ENGINEERING RESOURCE ASSOCIATES

USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=400.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

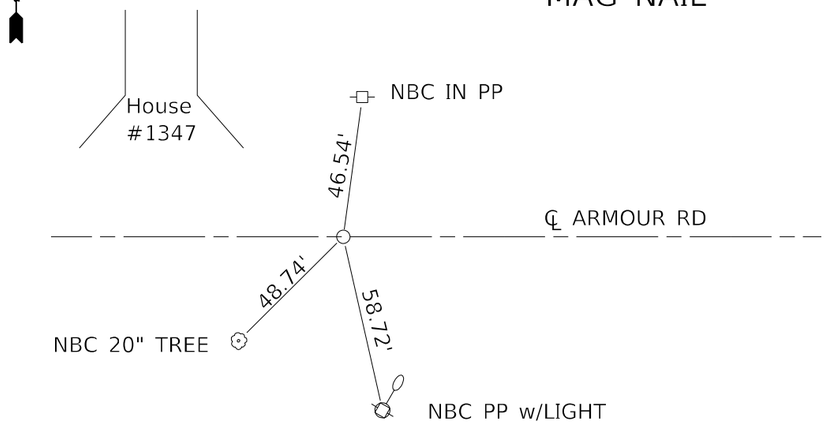
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=200' | SHEET 1 OF 1 SHEETS | STA. 130+00.00 | TO STA. 166+00.00

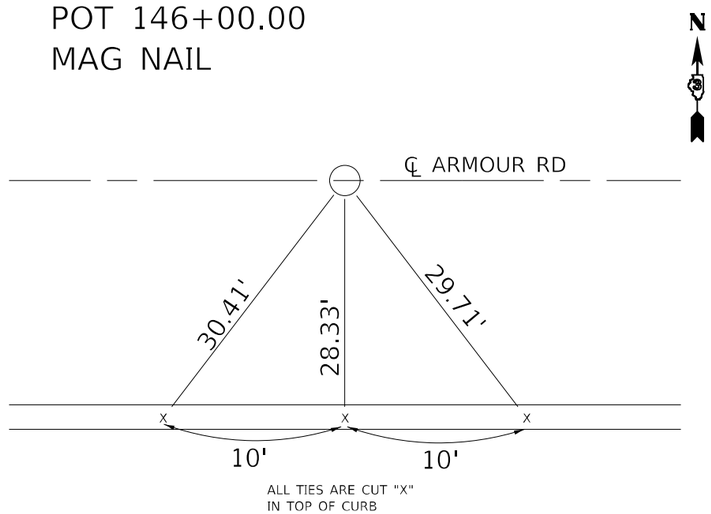
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	22
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

$FILES

POT 139+92.09
MAG NAIL

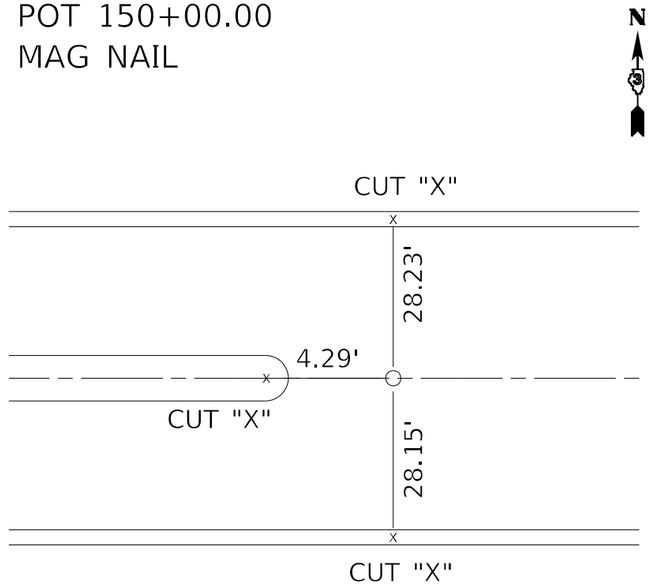


POT 146+00.00
MAG NAIL



ALL TIES ARE CUT "X"
IN TOP OF CURB

POT 150+00.00
MAG NAIL



ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

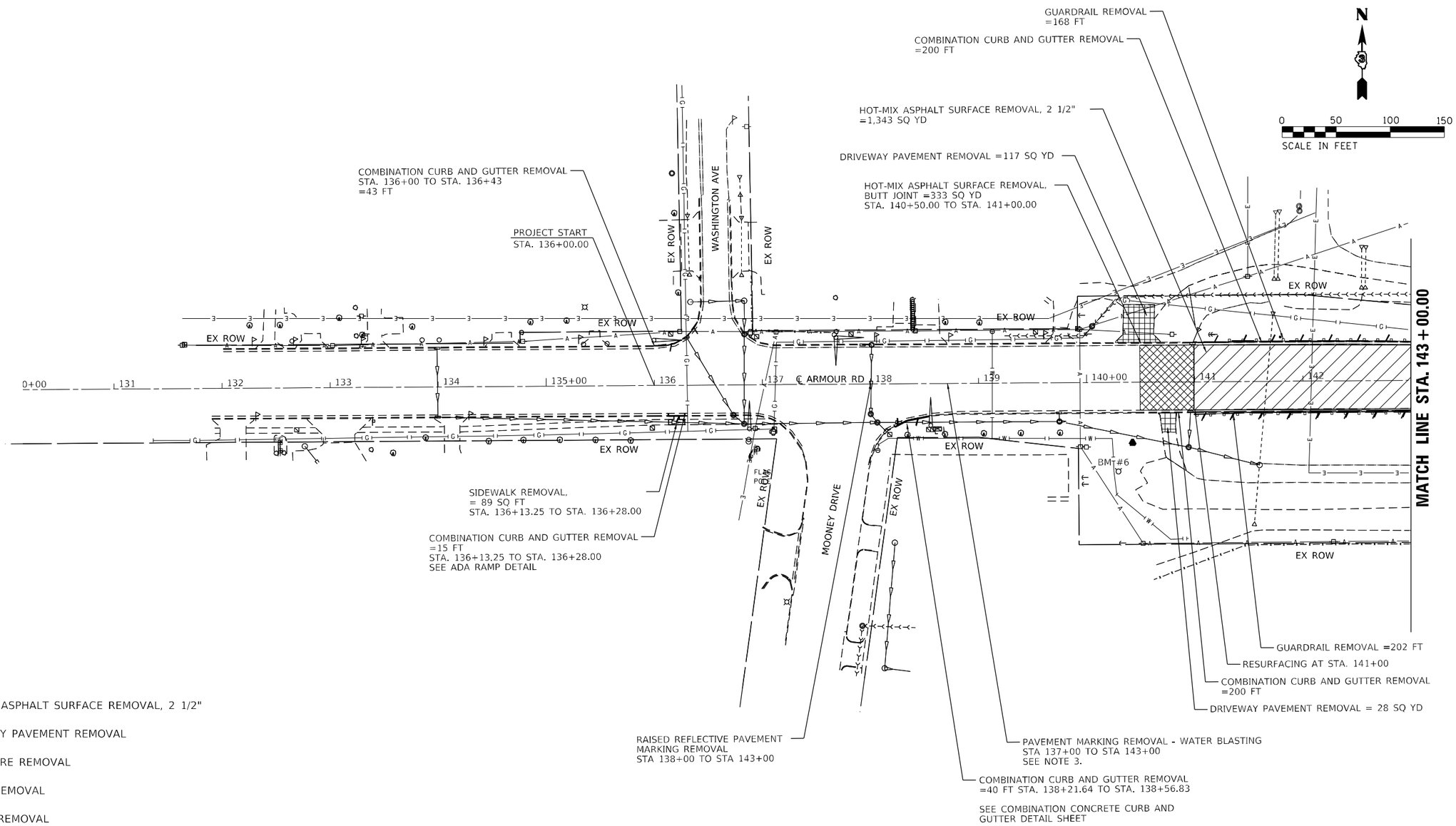
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	23
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

SFILES



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- DRIVEWAY PAVEMENT REMOVAL
- STRUCTURE REMOVAL
- LINEAR REMOVAL
- MEDIAN REMOVAL
- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT

NOTES:
1) REMOVE RAISED PAVEMENT MARKERS PRIOR TO MILLING.
2) SEE DRAINAGE AND UTILITY PLANS FOR DRAINAGE AND UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.
3) PAVEMENT MARKING REMOVAL - WATER BLASTING DONE AS NEEDED FOR MOT AND PAVEMENT MARKING.

ENGINEERING RESOURCE ASSOCIATES	USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

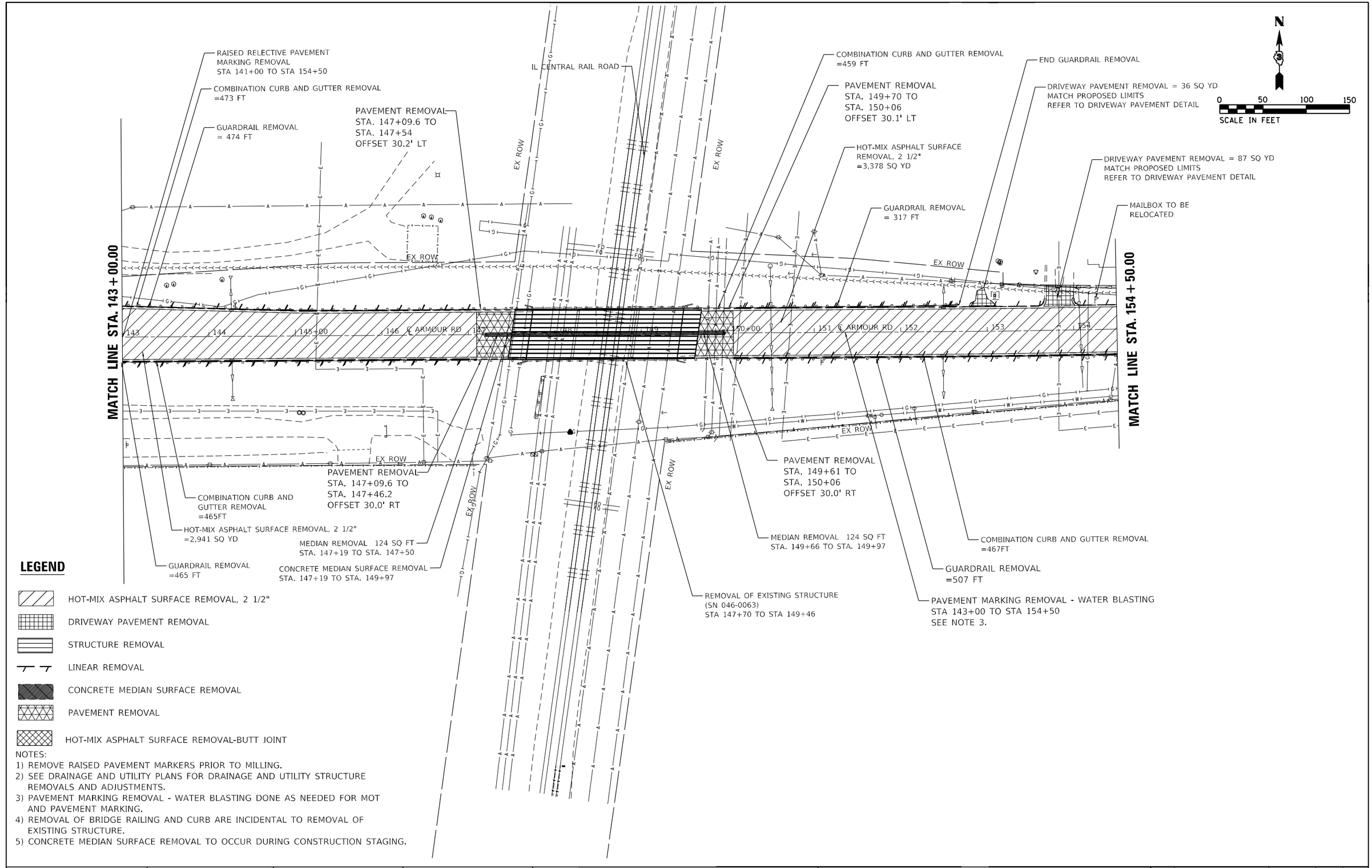
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. 130+00.00 TO STA. 143+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	24
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

SFILES



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- DRIVEWAY PAVEMENT REMOVAL
- STRUCTURE REMOVAL
- LINEAR REMOVAL
- CONCRETE MEDIAN SURFACE REMOVAL
- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT

NOTES:
1) REMOVE RAISED PAVEMENT MARKERS PRIOR TO MILLING.
2) SEE DRAINAGE AND UTILITY PLANS FOR DRAINAGE AND UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.
3) PAVEMENT MARKING REMOVAL - WATER BLASTING DONE AS NEEDED FOR MOT AND PAVEMENT MARKING.
4) REMOVAL OF BRIDGE RAILING AND CURB ARE INCIDENTAL TO REMOVAL OF EXISTING STRUCTURE.
5) CONCRETE MEDIAN SURFACE REMOVAL TO OCCUR DURING CONSTRUCTION STAGING.

ENGINEERING RESOURCE ASSOCIATES

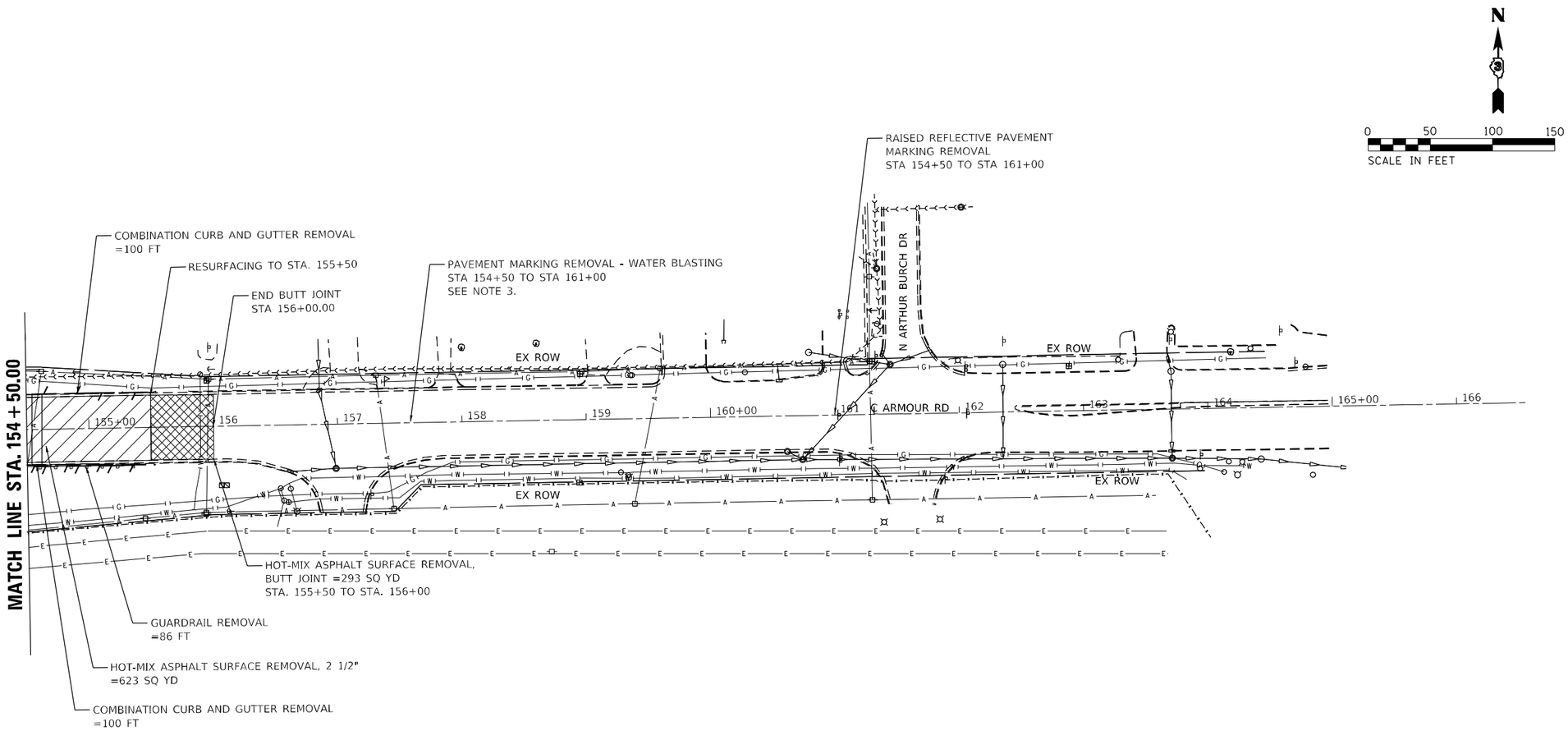
USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/9/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 143+00.00 TO STA. 154+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	25
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- DRIVEWAY PAVEMENT REMOVAL
- STRUCTURE REMOVAL
- LINEAR REMOVAL
- MEDIAN REMOVAL
- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT

NOTES:
1) REMOVE RAISED PAVEMENT MARKERS PRIOR TO MILLING.
2) SEE DRAINAGE AND UTILITY PLANS FOR DRAINAGE AND UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.
3) PAVEMENT MARKING REMOVAL - WATER BLASTING DONE AS NEEDED FOR MOT AND PAVEMENT MARKING.

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. 154+50.00 TO STA. 166+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	26
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

SFILES

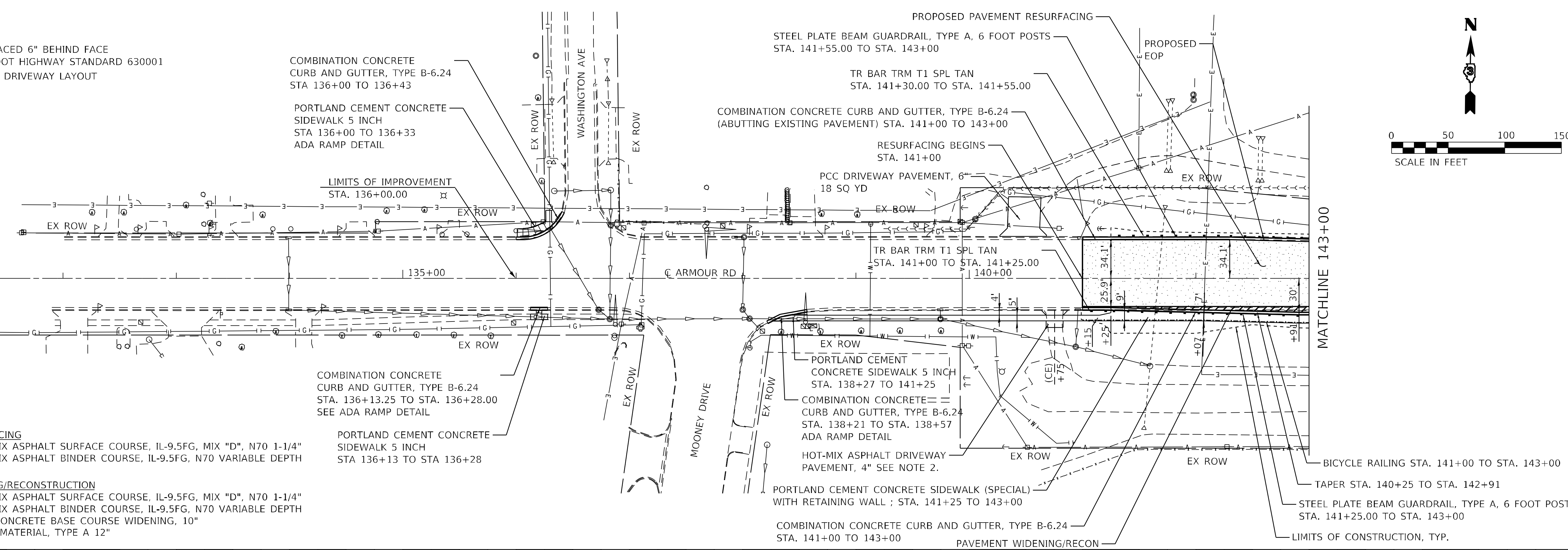
NOTES:

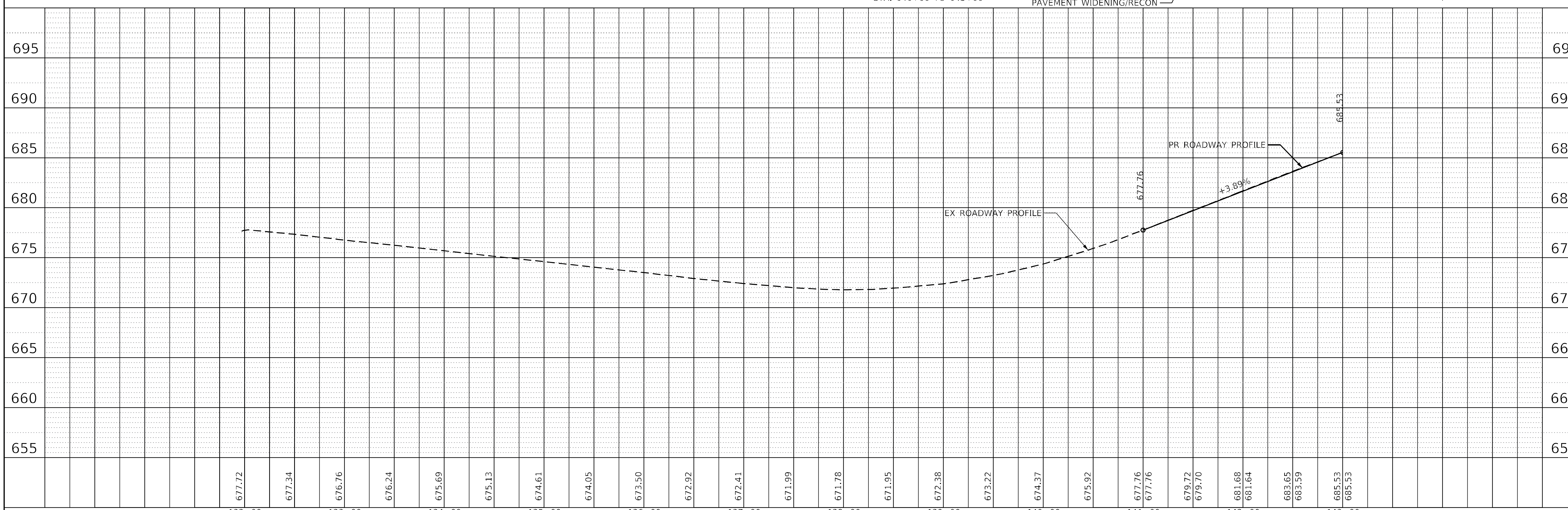
1) FACE OF GAURDRAIL SHALL BE PLACED 6" BEHIND FACE OF CURB IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 630001
2) SEE DETAIL SHEET FOR PROPOSED DRIVEWAY LAYOUT

LEGEND

PROPOSED PAVEMENT RESURFACING
40604112 POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70 1-1/4"
40603218 POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 VARIABLE DEPTH

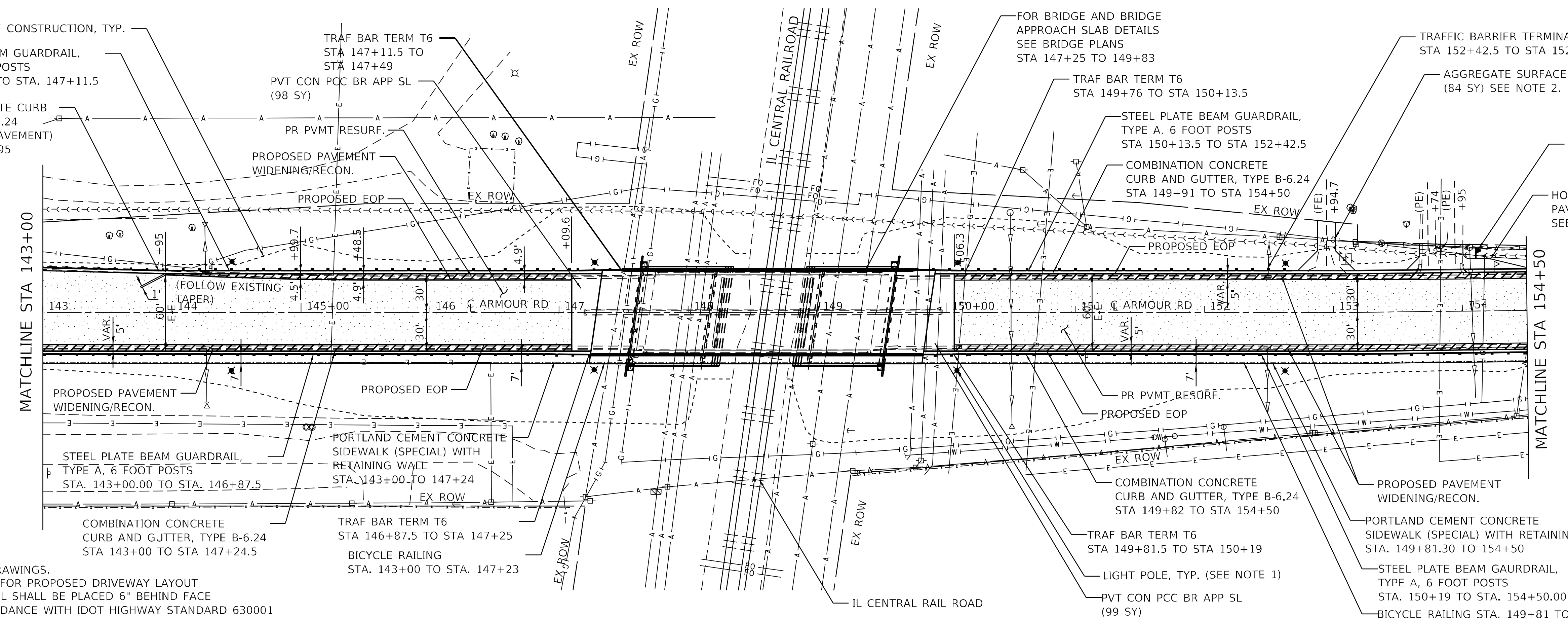
PROPOSED PAVEMENT WIDENING/RECONSTRUCTION
40604112 POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70 1-1/4"
40603218 POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 VARIABLE DEPTH
35400500 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"
31100910 SUBBASE GRANULAR MATERIAL, TYPE A 12"





ENGINEERING RESOURCE ASSOCIATES	USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE
		DRAWN - M. GIRGIS	REVISED -		
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -		
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -		SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 130+00.00 TO STA. 143+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	27
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		



LIMITS OF CONSTRUCTION, TYP.
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS STA. 143+00.00 TO STA. 147+11.5
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT) STA. 143+00 TO 143+95
TRAF BAR TERM T6 STA 147+11.5 TO STA 147+49
PVT CON PCC BR APP SL (98 SY)
PR PVMT RESURF.
PROPOSED PAVEMENT WIDENING/RECON.
PROPOSED EOP
EX ROW
IL CENTRAL RAILROAD
FOR BRIDGE AND BRIDGE APPROACH SLAB DETAILS SEE BRIDGE PLANS STA 147+25 TO 149+83
TRAF BAR TERM T6 STA 149+76 TO STA 150+13.5
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS STA 150+13.5 TO STA 152+42.5
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 STA 149+91 TO STA 154+50
TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT STA 152+42.5 TO STA 152+67.5
AGGREGATE SURFACE COURSE, TYPE B 8" (84 SY) SEE NOTE 2.
RELOCATE EXISTING MAILBOX FROM STA 154+25, 30.0' LT TO STA 154+10.80, 40.6' LT
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4" 109 SY SEE NOTE 2.
N
MATCHLINE STA 143+00
MATCHLINE STA 154+50
(FOLLOW EXISTING TAPER)
C ARMOUR RD
143
144
145+00
146
147
148
149
150+00
151
152
153
154
PROPOSED PAVEMENT WIDENING/RECON.
PROPOSED EOP
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS STA. 143+00.00 TO STA. 146+87.5
PORTLAND CEMENT CONCRETE SIDEWALK (SPECIAL) WITH RETAINING WALL STA. 143+00 TO 147+24
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 STA 143+00 TO STA 147+24.5
TRAF BAR TERM T6 STA 146+87.5 TO STA 147+25
BICYCLE RAILING STA. 143+00 TO STA. 147+23
IL CENTRAL RAIL ROAD
PR PVMT RESURF.
PROPOSED EOP
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 STA 149+82 TO STA 154+50
TRAF BAR TERM T6 STA 149+81.5 TO STA 150+19
LIGHT POLE, TYP. (SEE NOTE 1)
PVT CON PCC BR APP SL (99 SY)
PROPOSED PAVEMENT WIDENING/RECON.
PORTLAND CEMENT CONCRETE SIDEWALK (SPECIAL) WITH RETAINING WALL STA. 149+81.30 TO 154+50
STEEL PLATE BEAM GAURDRAIL, TYPE A, 6 FOOT POSTS STA. 150+19 TO STA. 154+50.00
BICYCLE RAILING STA. 149+81 TO STA. 154+50

NOTES:

1) SEE ELECTRICAL DRAWINGS.
2) SEE DETAIL SHEET FOR PROPOSED DRIVEWAY LAYOUT
3) FACE OF GUARDRAIL SHALL BE PLACED 6" BEHIND FACE OF CURB IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 630001

LEGEND

PROPOSED PAVEMENT RESURFACING

40604112 POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70 1-1/4"

40603218 POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 VARIABLE DEPTH

PROPOSED PAVEMENT WIDENING/RECONSTRUCTION

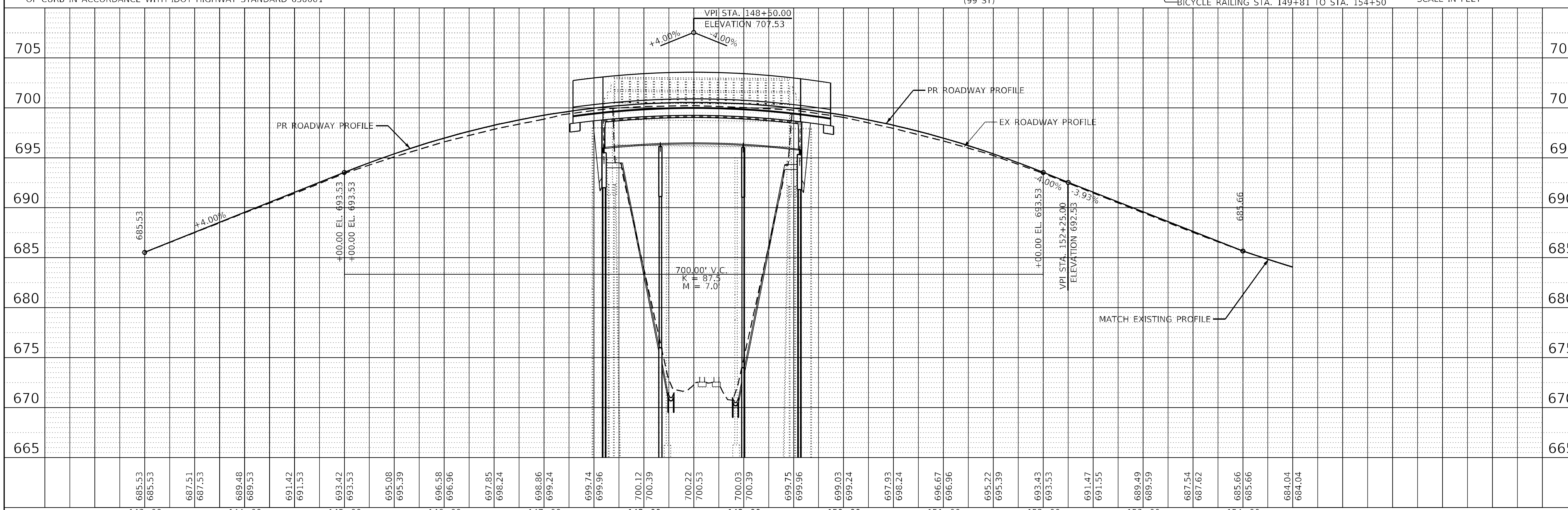
40604112 POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70 1-1/4"

40603218 POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 VARIABLE DEPTH

35400500 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"

31100910 SUBBASE GRANULAR MATERIAL, TYPE A 12"

0 50 100 150
SCALE IN FEET



VPI STA. 148+50.00
ELEVATION 707.53
+4.00%
-4.00%
PR ROADWAY PROFILE
EX ROADWAY PROFILE
+4.00%
685.53
+00.00 EL. 693.53
+00.00 EL. 693.53
-4.00%
-3.93%
+00.00 EL. 693.53
VPI STA. 152+25.00
ELEVATION 692.53
685.66
700.00' V.C.
K = 87.5
M = 7.0'
MATCH EXISTING PROFILE
705
700
695
690
685
680
675
670
665
685.53 685.53
687.51 687.53
689.48 689.53
691.42 691.53
693.42 693.53
695.08 695.39
696.58 696.96
697.85 698.24
698.86 699.24
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693.43 693.53
691.47 691.55
689.49 689.59
687.54 687.62
685.66 685.66
684.04 684.04
143+00
144+00
145+00
146+00
147+00
148+00
149+00
150+00
151+00
152+00
153+00
154+00

PLAN

PROFILE

ENGINEERING RESOURCE ASSOCIATES

USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 3/15/2021	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 143+00.00 TO STA. 154+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	28

CONTRACT NO. 66F11

ILLINOIS | FED. AID PROJECT

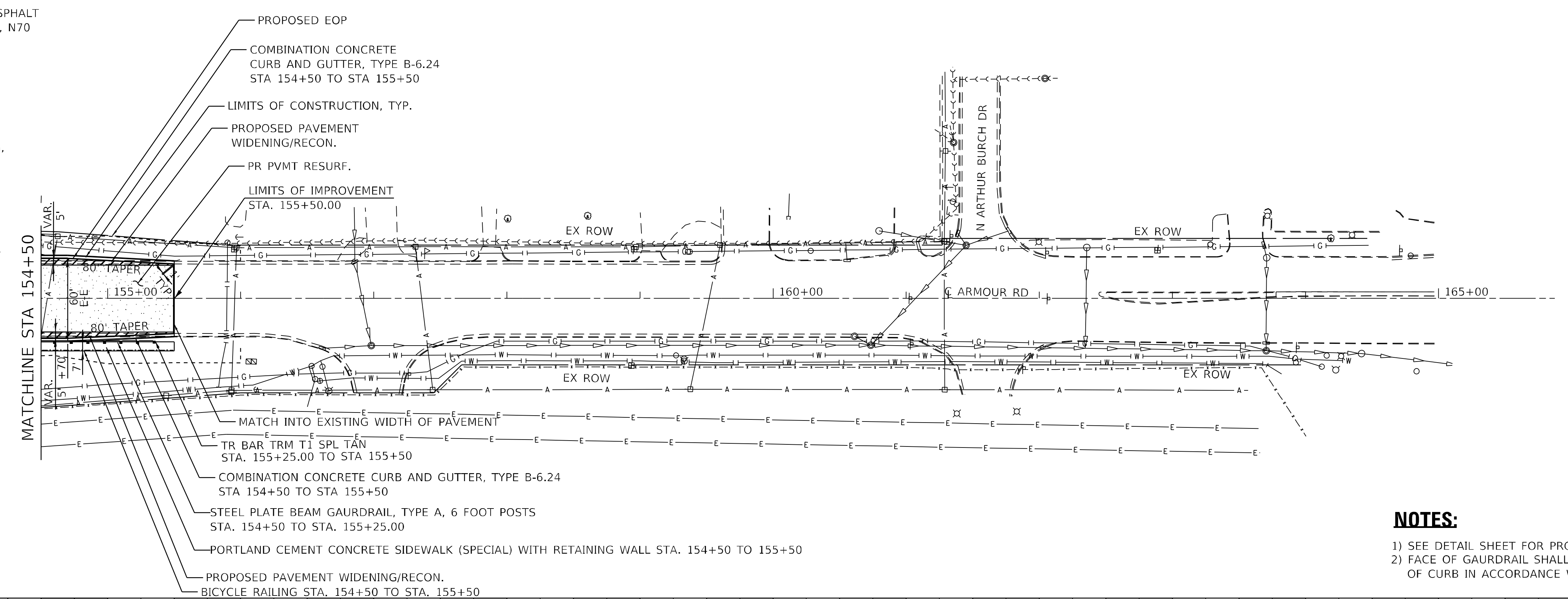
LEGEND

PROPOSED PAVEMENT RESURFACING

- 40604112 POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70 1-1/4"
- 40603218 POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 VARIABLE DEPTH

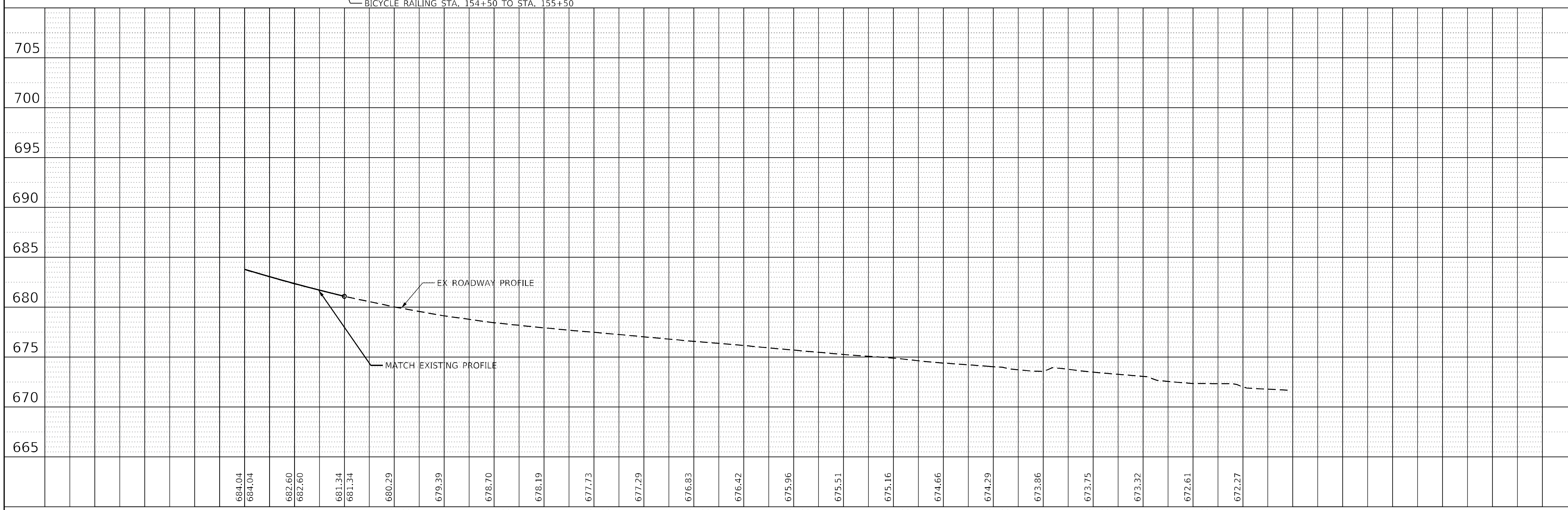
PROPOSED PAVEMENT WIDENING/RECONSTRUCTION

- 40604112 POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70 1-1/4"
- 40603218 POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 VARIABLE DEPTH
- 35400500 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"
- 31100910 SUBBASE GRANULAR MATERIAL, TYPE A 12"



NOTES:

1) SEE DETAIL SHEET FOR PROPOSED DRIVEWAY LAYOUT
2) FACE OF GAURDRAIL SHALL BE PLACED 6" BEHIND FACE OF CURB IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 630001



USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

ENGINEERING RESOURCE ASSOCIATES

PLAN AND PROFILE

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. 154+50.00 TO STA. 166+0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	29

CONTRACT NO. 66F11

ILLINOIS FED. AID PROJECT

MAINTENANCE OF TRAFFIC GENERAL NOTES

1 TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, TRAFFIC SIGNAL PLANS, THESE NOTES, AND APPLICABLE SPECIAL PROVISIONS.

2 THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

3 TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS SHALL BE REQUIRED ALONG TEMPORARY ROADS, DETOURS, AND SIDE STREETS TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE IN ACCORDANCE WITHLIGHTS ON BARRICADES BDE SPECIAL PROVISION. THE MAXIMUM SPACING FOR THESE DEVICES SHALL BE 100 FEET CENTER TO CENTER.

4 ANY DROP OFF GREATER THAN THREE (3) INCHES WITHIN SIXTEEN (16) FEET OF A TRAVEL LANE SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. IF THE DROP OFF IS GREATER THAN TWENTY-FOUR (24) INCHES ANDEXISTS FOR LONGER THAN 24 HOURS, IT SHALL BE PROTECTED BY TEMPORARY CONCRETE BARRIER. TEMPORARY CONCRETE BARRIER SHALL HAVE MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. THE CONTRACTOR SHALL SCHEDULE HIS WORK AND OPERATIONS SUCH THAT A DROP OFF OF GREATER THAN 24 INCHES DOES NOT REMAIN WITHIN SIXTEEN FEET OF A TRAVEL LANE FOR MORE THAN 24 HOURS. THE CONTRACTOR MAY PLACE COMPACTED EXCAVATED MATERIAL, AGGREGATE, OR OTHER MATERIAL IN THE DROP OFF TO SATISFY THIS REQUIREMENT. THE PLANS INDICATE AREAS (IF ANY) IN WHICH THE DEPARTMENT EXPECTS THAT TEMPORARY CONCRETE BARRIER WILL BE REQUIRED FOR A DROP OFF OF GREATER THAN 24 INCHES TO REMAIN FOR MORE THAN 24 HOURS.

5 BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.

6 TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR IDOT.

7 TYPE I, II AND / OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.

8 WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.

9 TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE I.D.O.T. DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.

10 THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

11 ALL CONSTRUCTION SIGNS SHALL HAVE FLOURESCENT ORANGE BACKGROUNDS.

12 ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.

13 BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS. SPACING SHALL BE AS SHOWN ON THE CONSTRUCTION STAGING PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

14 DRUMS AND BARRICADES SHALL MEET THE REQUIREMENTS OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 AND THE SUPPLEMENTAL SPECIAL PROVISION WORK ZONE TRAFFIC CONTROL DEVICES.

15 THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.

16 THE FIRST WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.

17 ARROWS ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES ARE TO BE REMOVED OR COVERED AS NOT TO BE VISIBLE FOR OPPOSING TRAFFIC.

18 FRESH OIL SIGNS (W21-2-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING.

19 WORKERS SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

20 ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.

21 ALL INTERSECTING STREETS SHALL BE KEPT OPEN TO TRAFFIC, AS DIRECTED BY THE ENGINEER.

22 THE NEW LANES OPEN STOP HERE SIGNS SHALL BE PLACED AT ALL DRIVEWAYS AND SIDE ROADS WHEN DIRECTED BY THE ENGINEER. REMOVED WHEN DIRECTED BY THE ENGINEER.

23 THE SUGGESTED SEQUENCE OF OPERATIONS AND SUMMARY FOR CONSTRUCTION STAGING DOES NOT, NOR IS INTENDED TO, DEPICT ALL THE WORK THAT WILL BE REQUIRED BY THE CONTRACTOR FOR STAGING OPERATIONS DURING THE CONTRACT. THE SEQUENCE OF OPERATIONS IS GIVEN AS AN AIDE AND GUIDE FOR THE CONTRACTOR'S USE TO ESTABLISH THE NECESSARY GUIDELINES FOR EFFICIENT TRAFFIC OPERATION DURING THE DURATION OF THE CONTRACT.

24 THE CONTRACTOR MAY WISH TO MAKE REVISIONS OR MODIFICATIONS TO THE SEQUENCE OF CONSTRUCTION OR THE MAINTENANCE OF TRAFFIC PLANS. ALL CHANGES MUST BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL. REVISIONS TO THE PHASING OF CONSTRUCTION OR MAINTENANCE OPERATIONS, REQUESTED BY THE CONTRACTOR, MAY REQUIRE TRAFFIC CONTROL TO BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND/OR DESIGNS OTHER THAN THOSE INCLUDED IN THE PLANS. REVISIONS IN THE PHASING OF CONSTRUCTION OR MAINTENANCE OPERATIONS REQUESTED BY THE CONTRACTOR REQUIRING ADDITIONAL SIGNS, FLAGGERS, BARRICADES OR OTHER TRAFFIC CONTROL DEVISES OVER AND ABOVE THOSE SPECIFIED WILL BE AT THE CONTRACTOR'S EXPENSE.

ACCESS MAINTENANCE NOTES

1 MAINTAINING ACCESS TO DRIVEWAYS IS OF THE UTMOST IMPORTANCE TO THE IDOT. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUB-STAGING THE CONSTRUCTION OF DRIVEWAYS. THE CONTRACTOR SHALL FOLLOW THESE PROCEDURES TO ENSURE PROPER DRIVEWAY ACCESS WHEN DIRECTED BY THE ENGINEER.

2 THE CONTRACTOR SHALL WORK WITH ADJACENT BUSINESS OWNERS/ RESIDENTS TO DETERMINE DRIVEWAY RECONSTRUCTION SCHEDULING. ALL DRIVEWAY CLOSURES SHALL BE APPROVED BY THE ENGINEER.

3 A 4-IN PVC DRAIN SHALL BE PLACED UNDER TEMPORARY DRIVES TO PROVIDE POSITIVE DRAINAGE WHEN THE ROADWAY IS EXCAVATED.

STAGE 1 CONSTRUCTION ACTIVITIES

PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKING, AND BARRICADES. SHIFT TRAFFIC AS INDICATED.

COORDINATE THE RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH THE PROPOSED IMPROVEMENTS WITH UTILITY COMPANIES PRIOR TO WORK BEING PERFORMED.

REMOVE EXISTING CURB AND GUTTER, HMA SURFACE, NORTH HALF OF BRIDGE STRUCUTRE, DRAINAGE STRUCTURES AND STORM SEWER WHILE MAINTAINING DRAINAGE THROUGHOUT CONSTRUCTION PERIOD, ENTRANCES AND OTHER ITEMS WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS OF ARMOUR ROAD AS SHOWN.

INSPECT EXISTING CONCRETE BASE COURSE PAVEMENT AND PATCH AS NECESSARY.

CONSTRUCT THE NORTH PORTION OF THE BRIDGE STRUCTURE

CONSTRUCT THE PROPOSED PAVEMENT INCLUDING PCC BASE, BINDER AND SURFACE COURSE, CURB AND GUTTER, ENTRANCES, GUARDRAIL, DRAINAGE STRUCTURES, DRAINAGE PIPES WITHIN THE PROPOSED CONSTRUCTION WORK ZONE LIMITS FOR ARMOUR ROAD AS SHOWN.

REPOSITION TEMPORARY LANE CONFIGURATIONS FOR STAGE 2 CONSTRUCTION.

STAGE 2 CONSTRUCTION ACTIVITIES

PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKING, AND BARRICADES. SHIFT TRAFFIC AS INDICATED.

COORDINATE THE RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH THE PROPOSED IMPROVEMENTS WITH UTILITY COMPANIES PRIOR TO WORK BEING PERFORMED.

REMOVE EXISTING CURB AND GUTTER, SOUTH HALF OF BRIDGE STRUCTURE, HMA SURFACE, DRAINAGE STRUCTURES AND STORM SEWER WHILE MAINTAINING DRAINAGE THROUGHOUT CONSTRUCTION PERIOD, ENTRANCES AND OTHER ITEMS WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS OF ARMOUR ROAD AS SHOWN.

INSPECT EXISTING CONCRETE BASE COURSE PAVEMENT AND PATCH AS NECESSARY.

CONSTRUCT THE BRIDGE STRUCTURE

CONSTRUCT THE PROPOSED WIDENING PAVEMENT INCLUDING PCC BASE, BINDER AND SURFACE COURSE, CURB AND GUTTER,SIDEWALK, GUARDRAIL, ENTRANCES, DRAINAGE STRUCTURES, DRAINAGE PIPES WITHIN THE PROPOSED CONSTRUCTION WORK ZONE LIMITS FOR ARMOUR ROAD AS SHOWN.

REPOSITION TEMPORARY LANE CONFIGURATIONS FOR STAGE 3 CONSTRUCTION.

STAGE 3 CONSTRUCTION ACTIVITIES

PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKING, AND BARRICADES AS INDICATED ON THE PLANS.

REMOVE HMA SURFACE WITHIN THE PROPOSED STAGE CONSTRUCTION LIMITS OF ARMOUR ROAD AS SHOWN.

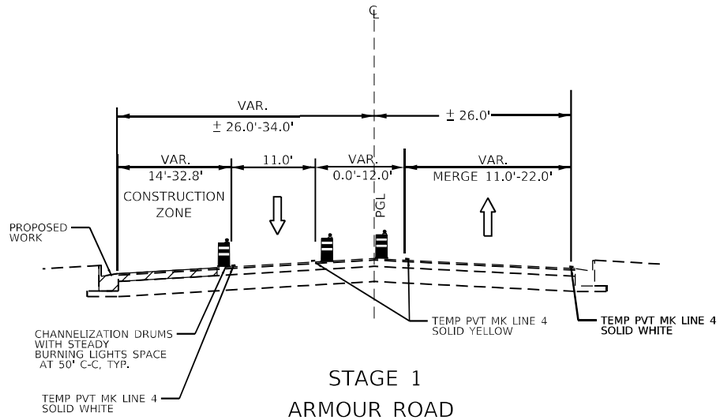
INSPECT EXISTING CONCRETE BASE COURSE PAVEMENT AND PATCH AS NECESSARY.

CONSTRUCT THE PROPOSED PAVEMENT RESURFACING INCLUDING THE BINDER AND SURFACE COURSES

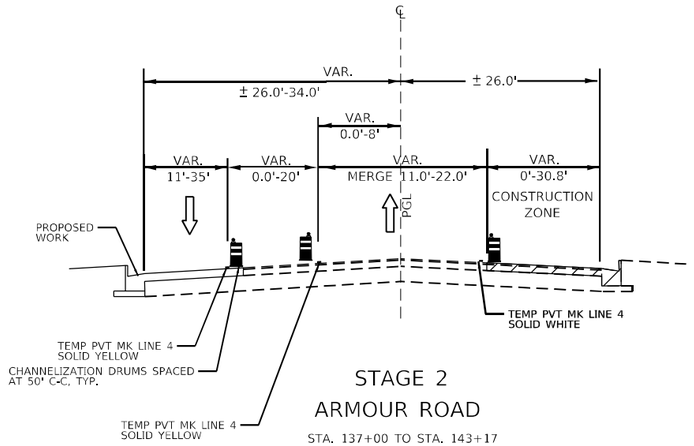
UTILIZING IDOT HIGHWAY STANDARD 701701, CONSTRUCT THE SIDEWALK, CURB, AND TRAFFIC SIGNAL IMPROVEMENTS AT THE INTERSECTION OF MOONEY DR.

INSTALL PROPOSED SIGNAGE.

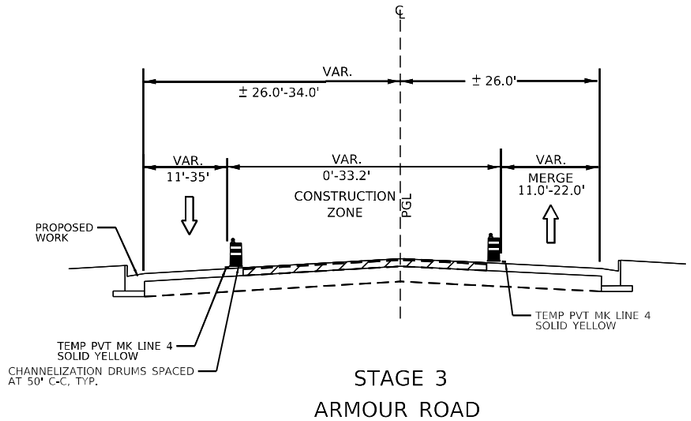
COMPLETE FINAL LANDSCAPING.



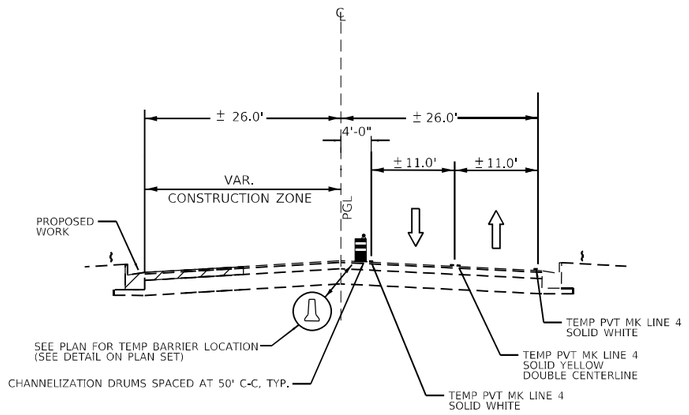
STAGE 1
ARMOUR ROAD
STA. 140+12 TO STA. 144+28



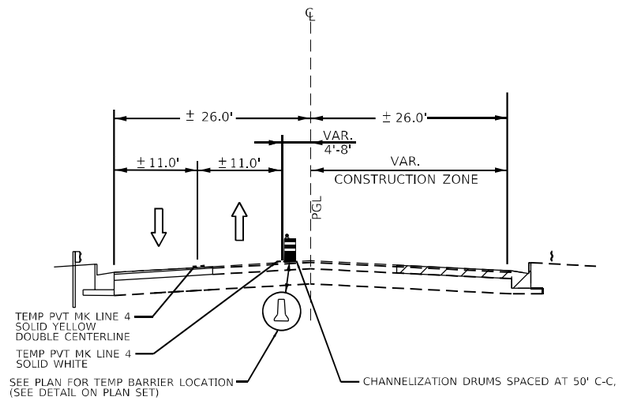
STAGE 2
ARMOUR ROAD
STA. 137+00 TO STA. 143+17



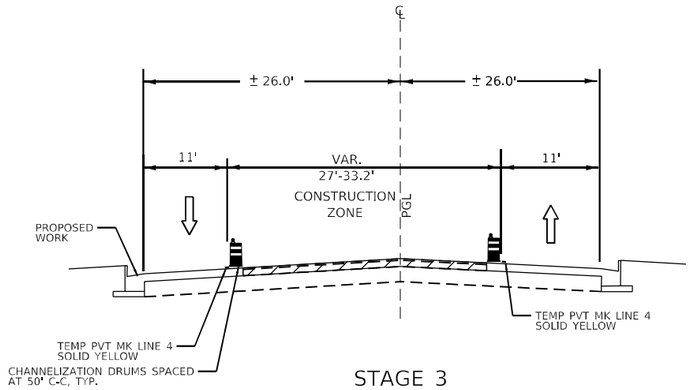
STAGE 3
ARMOUR ROAD
STA. 137+00 TO STA. 143+17



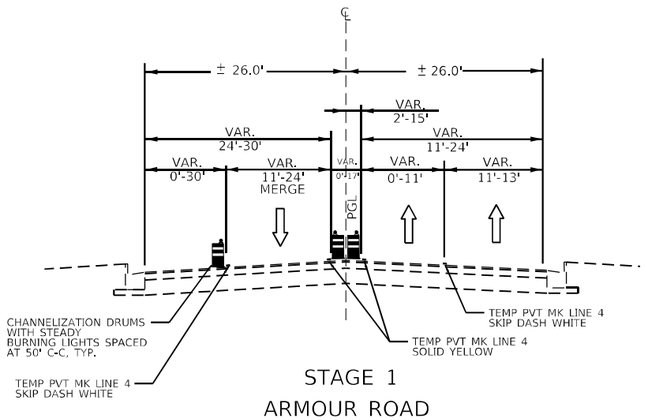
STAGE 1 ARMOUR ROAD
STA. 144+28 TO STA. 156+22



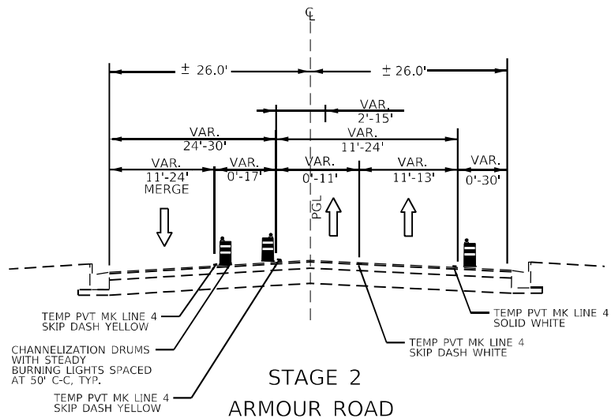
STAGE 2 ARMOUR ROAD
STA. 143+17 TO STA. 156+00



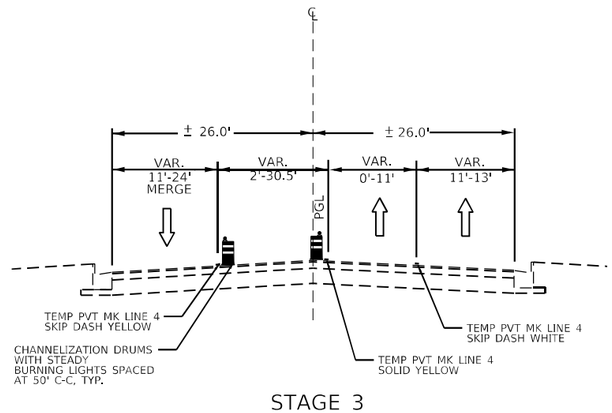
STAGE 3
ARMOUR ROAD
STA. 143+1 TO STA. 155+50



STAGE 1
ARMOUR ROAD
STA. 156+22 TO STA. 161+25



STAGE 2
ARMOUR ROAD
STA. 156+00 TO STA. 161+00



STAGE 3
ARMOUR ROAD
STA. 156+00 TO STA. 161+00

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=20.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

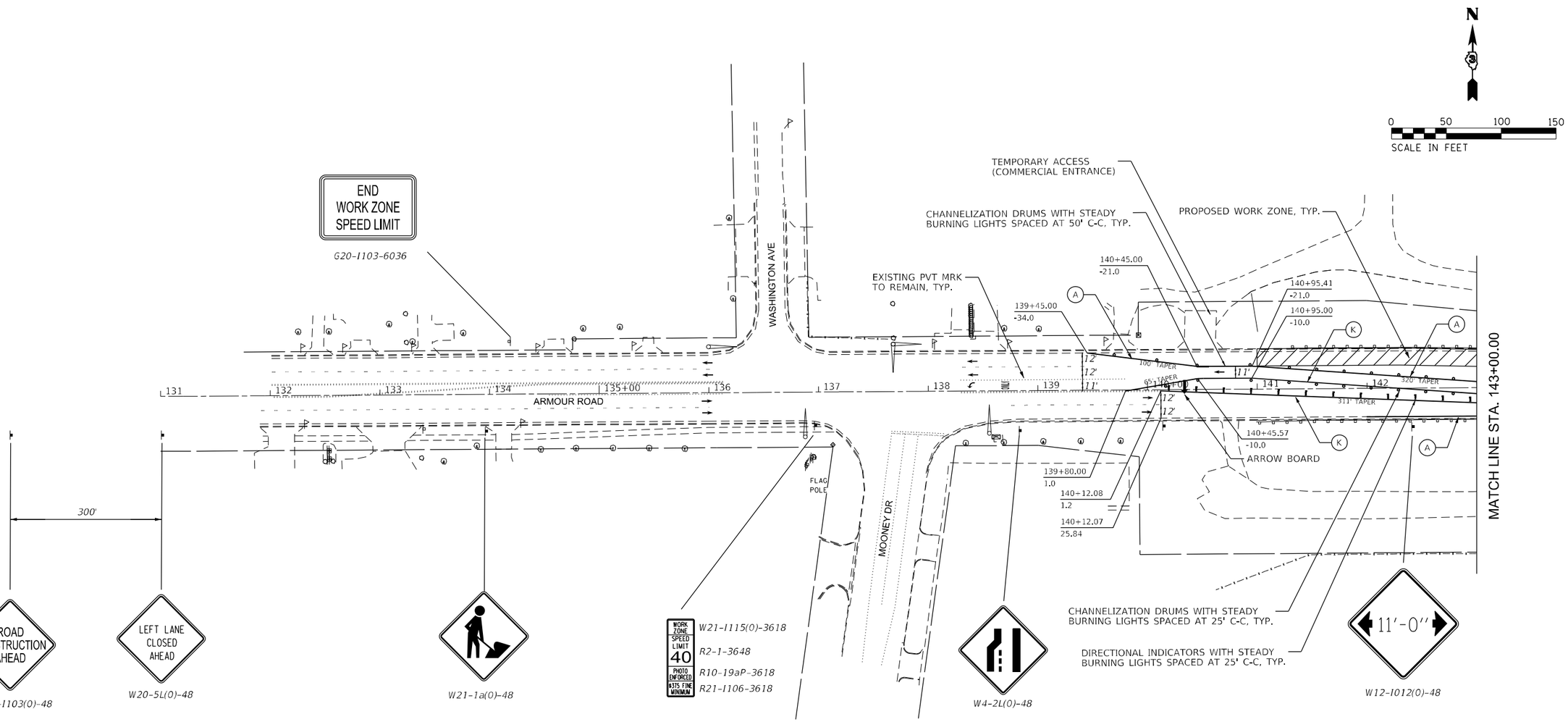
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD MOT TYPICAL SECTIONS

SCALE: NTS | SHEET 2 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	31
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

&FILES



ADVANCE SIGNING FOR ARMOUR ROAD
(SPACING MAY VARY DUE TO FIELD CONDITIONS)

TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (30' SKIP - 10' DASH WHITE)
- (D) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID YELLOW @ 45° DIAGONAL)
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

NOTES:

1. ALL SIGNS DESIGNATED WITH (O) SHALL BE FLUORESCENT ORANGE SHEETING.
2. THE BACKSIDE OF ALL DIRECTIONAL INDICATOR BARRICADES ARE TO BE REMOVED OR COVERED.

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

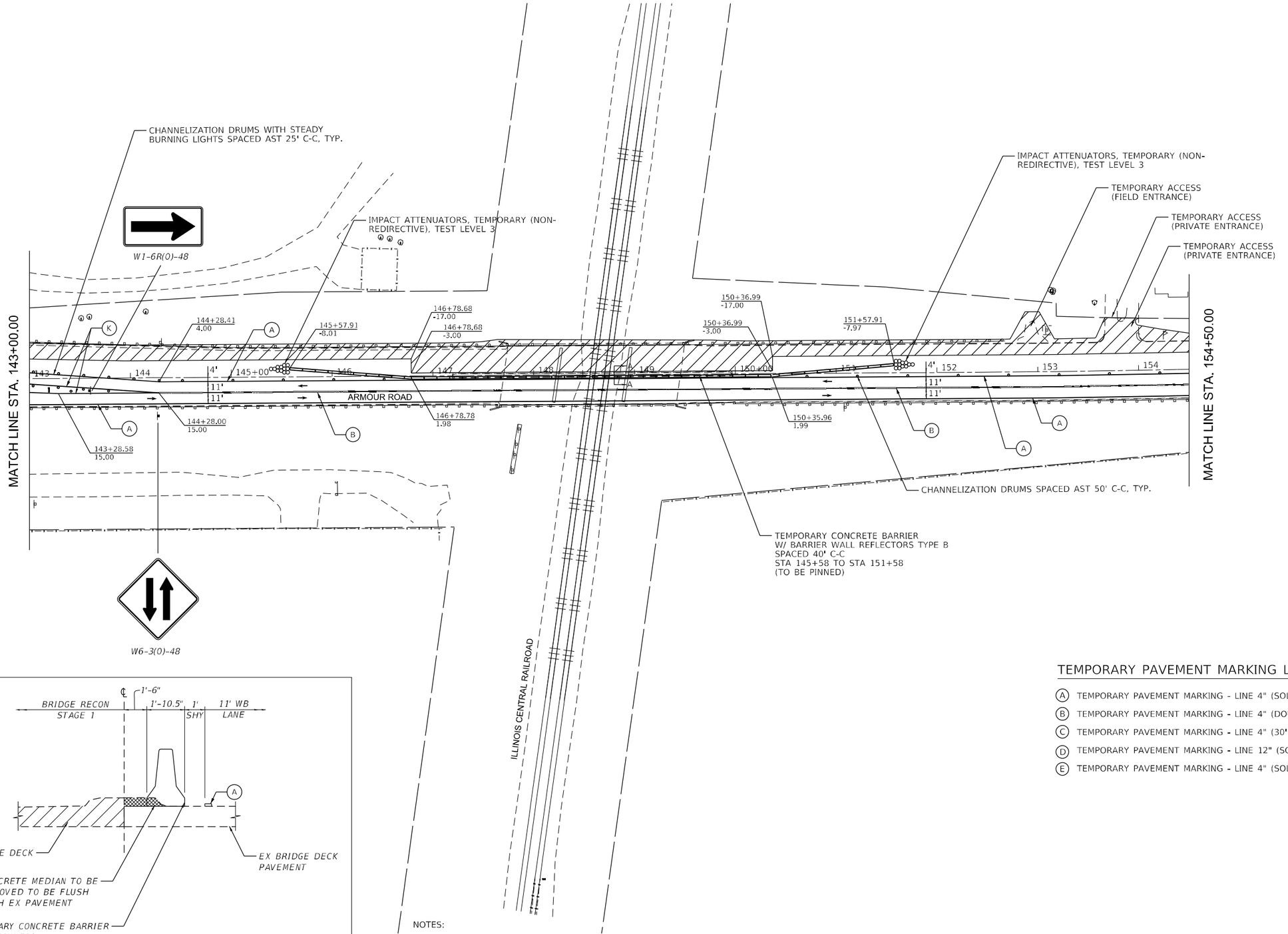
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 1
ARMOUR ROAD

SCALE: 1"=50' | SHEET 3 OF 11 SHEETS | STA. 130+00.00 TO STA. 143+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	32
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

$FILE$



TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (30' SKIP - 10' DASH WHITE)
- (D) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID YELLOW @ 45° DIAGONAL)
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

NOTES:

1. ALL SIGNS DESIGNATED WITH (O) SHALL BE FLUORESCENT ORANGE SHEETING.
2. TEMPORARY ACCESS (FIELD ENTRANCE) AND TEMPORARY ACCESS (PRIVATE ENTRANCE) SHALL INCLUDE THE COST OF 4" PVC UNDERDRAIN.
3. THE BACKSIDE OF ALL DIRECTIONAL INDICATOR BARRICADES ARE TO BE REMOVED OR COVERED.

0 50 100 150
SCALE IN FEET

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

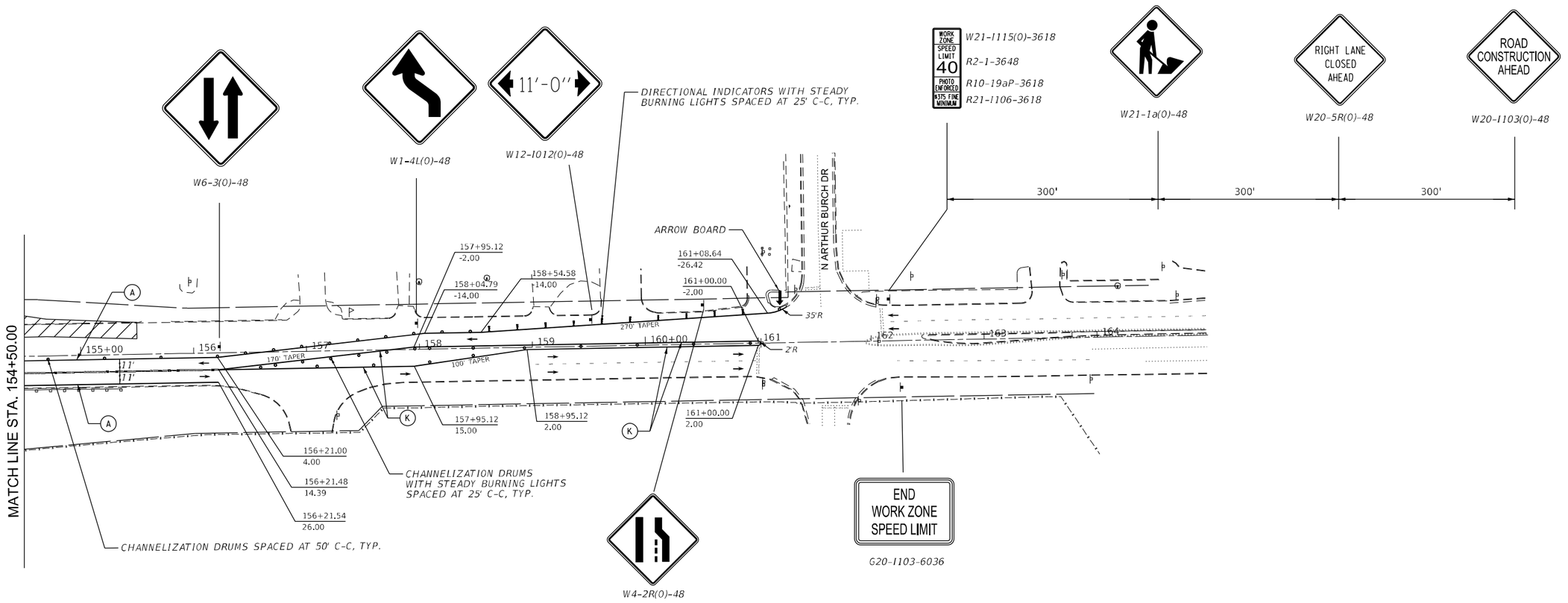
MAINTENANCE OF TRAFFIC – STAGE 1
ARMOUR ROAD

SCALE: 1"=50' | SHEET 4 OF 11 SHEETS | STA. 143+00.00 | TO STA. 154+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	33
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

SFILES

ADVANCE SIGNING FOR ARMOUR ROAD
(SPACING MAY VARY DUE TO FIELD CONDITIONS)



TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (30' SKIP - 10' DASH WHITE)
- (D) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID YELLOW @ 45° DIAGONAL)
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

N

0 50 100 150
SCALE IN FEET

NOTES:

1. ALL SIGNS DESIGNATED WITH (O) SHALL BE FLUORESCENT ORANGE SHEETING.
2. THE BACKSIDE OF ALL DIRECTIONAL INDICATOR BARRICADES ARE TO BE REMOVED OR COVERED.

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

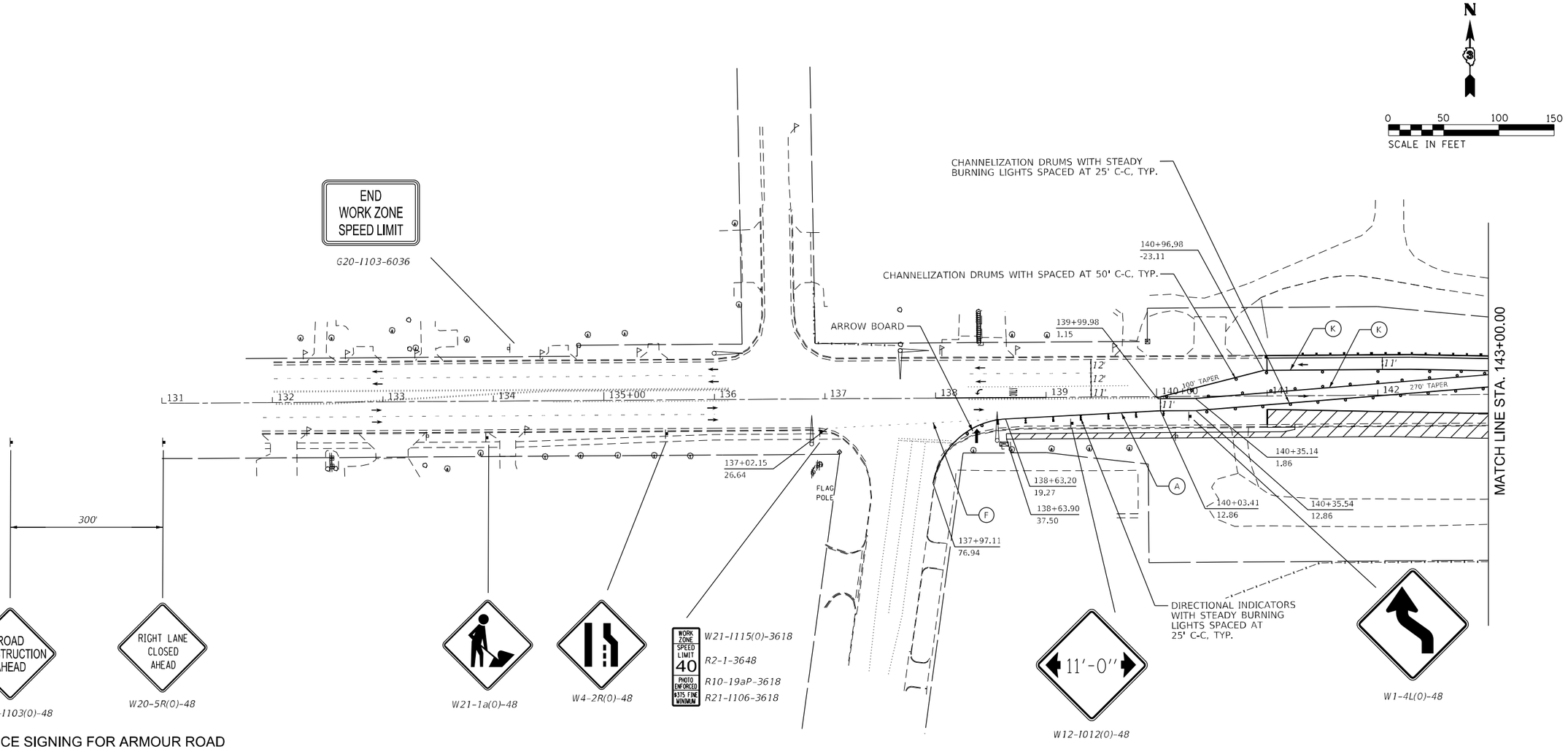
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 1
ARMOUR ROAD

SCALE: 1"=50' | SHEET 5 OF 11 SHEETS | STA. 154+50.00 TO STA. 166+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	34
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

SFILES



ADVANCE SIGNING FOR ARMOUR ROAD
(SPACING MAY VARY DUE TO FIELD CONDITIONS)

TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (30' SKIP - 10' DASH WHITE)
- (D) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID YELLOW @ 45° DIAGONAL)
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

NOTES:

1. ALL SIGNS DESIGNATED WITH (O) SHALL BE FLUORESCENT ORANGE SHEETING.
2. THE BACKSIDE OF ALL DIRECTIONAL INDICATOR BARRICADES ARE TO BE REMOVED OR COVERED.

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 2
ARMOUR ROAD

SCALE: 1"=50' | SHEET 6 OF 11 SHEETS | STA. 130+00.00 TO STA. 143+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	35
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

SFILE$

N

0 50 100 150

SCALE IN FEET

MATCH LINE STA. 143+00.00

MATCH LINE STA. 154+50.00

IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3

CHANNELIZATION DRUMS SPACED AT 50' C-C, TYP.

143+16.74
-19.00

143+94.86
-19.00

145+57.93
4.90

146+78.65
-5.02

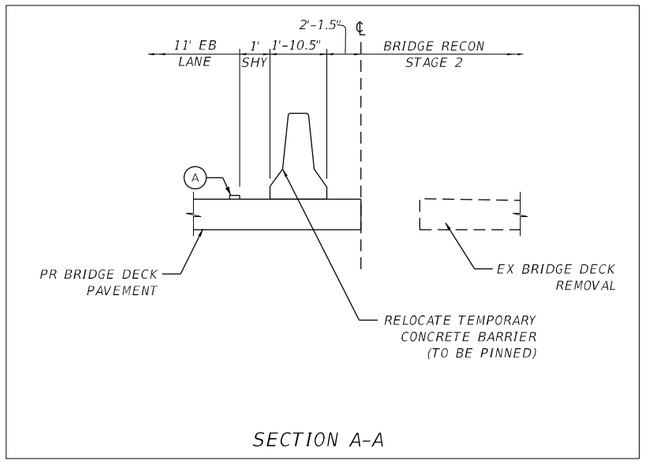
150+36.93
-5.00

151+57.39
5.45

IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3

RELOCATE TEMPORARY CONCRETE BARRIER
W/ BARRIER WALL REFLECTORS TYPE B
SPACED 40' C-C
STA 145+58 TO STA 151+58

W6-3(0)-48



SECTION A-A

TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (30' SKIP - 10' DASH WHITE)
- (D) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID YELLOW @ 45° DIAGONAL)
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

NOTES:

1. ALL SIGNS DESIGNATED WITH (O) SHALL BE FLUORESCENT ORANGE SHEETING.
2. THE BACKSIDE OF ALL DIRECTIONAL INDICATOR BARRICADES ARE TO BE REMOVED OR COVERED.

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

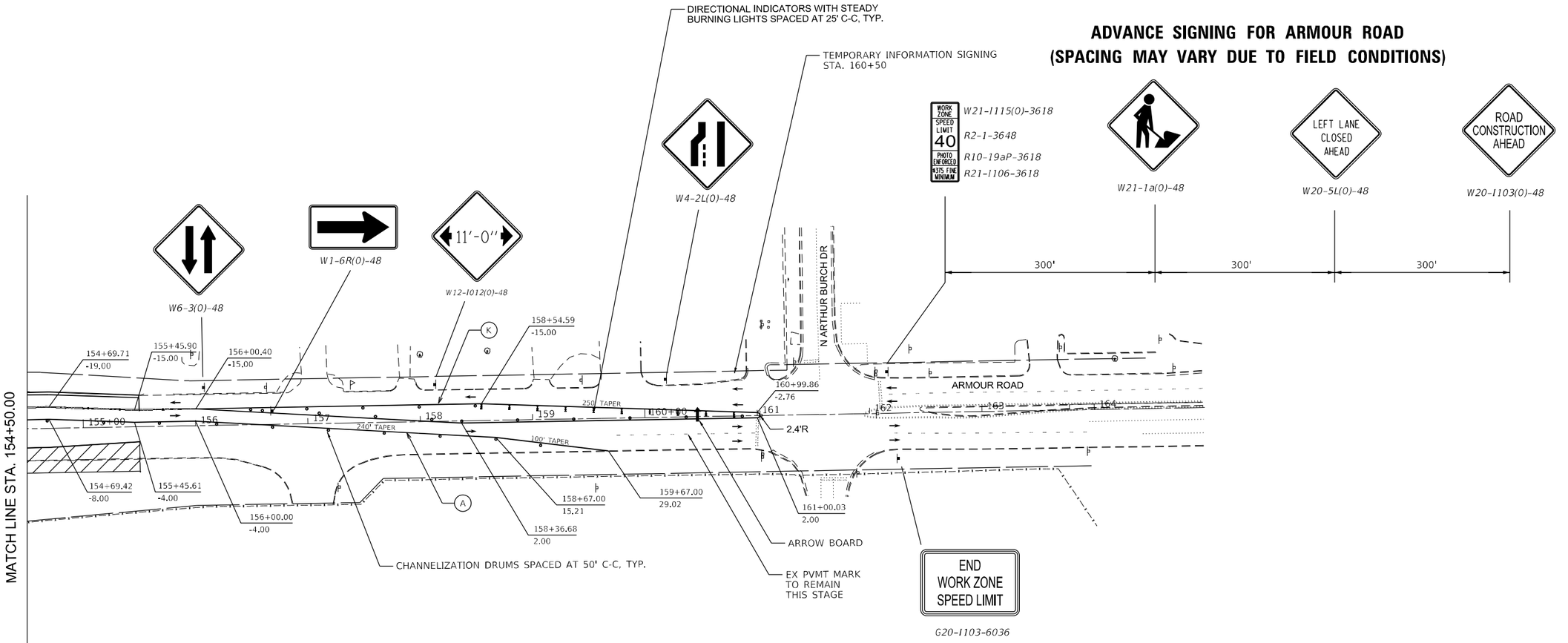
MAINTENANCE OF TRAFFIC – STAGE 2
ARMOUR ROAD

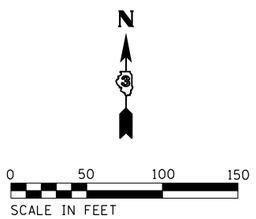
SCALE: 1"=50' | SHEET 7 OF 11 SHEETS | STA. 143+00.00 TO STA. 154+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	36
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

SFILES

ADVANCE SIGNING FOR ARMOUR ROAD
(SPACING MAY VARY DUE TO FIELD CONDITIONS)





NOTES:

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2. THE BACKSIDE OF ALL DIRECTIONAL INDICATOR BARRICADES ARE TO BE REMOVED OR COVERED.

TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
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- (D) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID YELLOW @ 45° DIAGONAL)
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

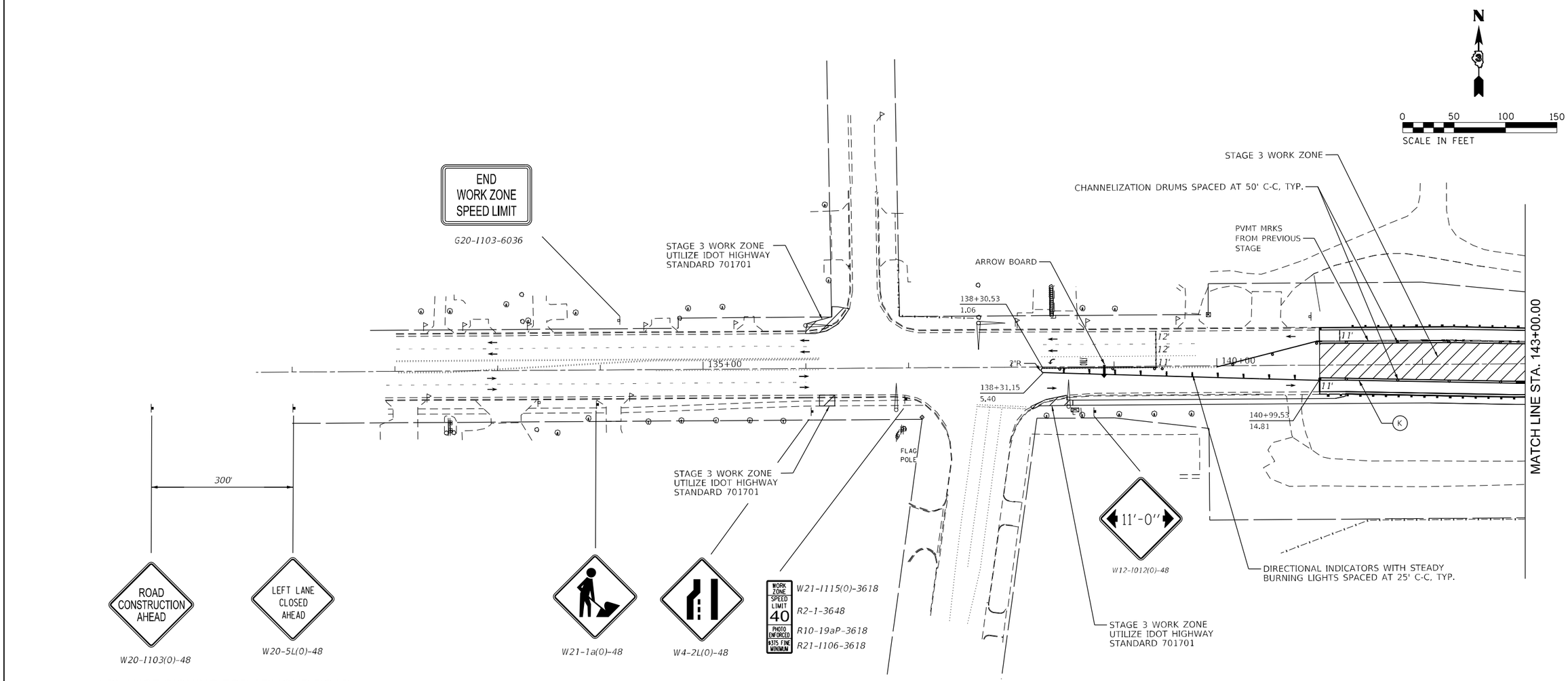
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 2
ARMOUR ROAD

SCALE: 1"=50' | SHEET 8 OF 11 SHEETS | STA. 154+50.00 | TO STA. 166+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	37
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

$FILES



ADVANCE SIGNING FOR ARMOUR ROAD
(SPACING MAY VARY DUE TO FIELD CONDITIONS)

TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
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- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

NOTES:

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ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

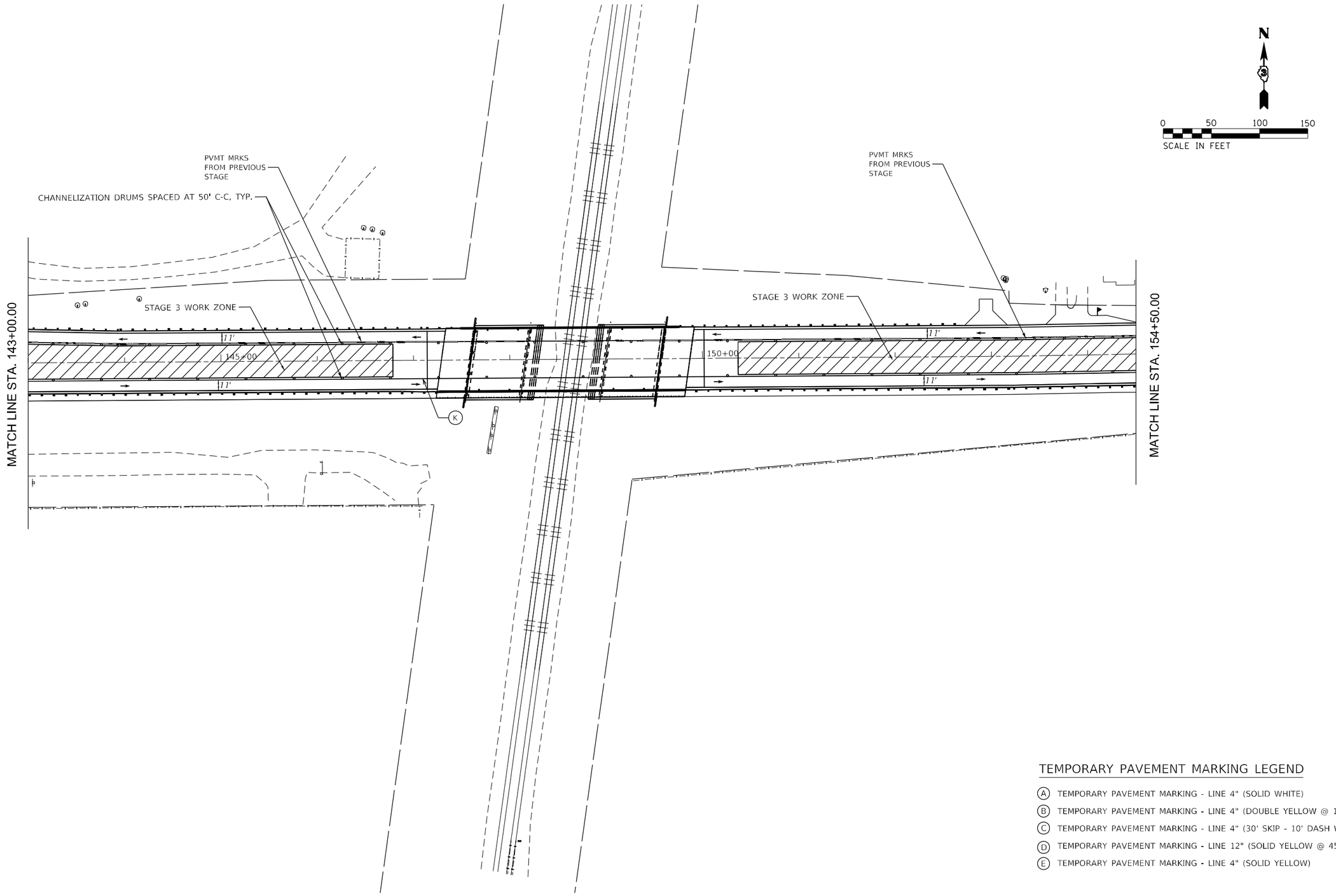
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 3
ARMOUR ROAD

SCALE: 1"=50' | SHEET 9 OF 11 SHEETS | STA. 130+00.00 TO STA. 143+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	38
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

SFILES



TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
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- (D) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID YELLOW @ 45° DIAGONAL)
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)

NOTES:

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ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

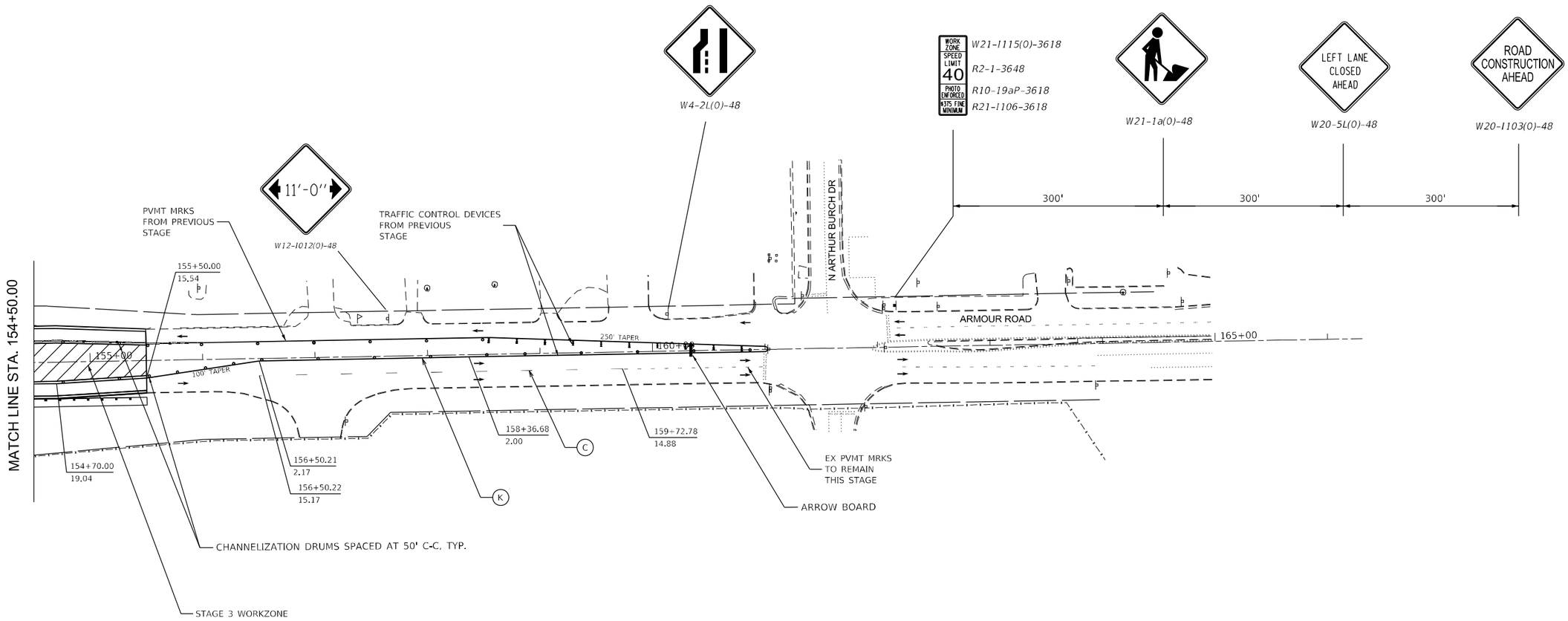
MAINTENANCE OF TRAFFIC – STAGE 3
ARMOUR ROAD

SCALE: 1"=50' | SHEET 10 OF 11 SHEETS | STA. 143+00.00 | TO STA. 154+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	39
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

SFILES

ADVANCE SIGNING FOR ARMOUR ROAD
(SPACING MAY VARY DUE TO FIELD CONDITIONS)



N

0 50 100 150
SCALE IN FEET

NOTES:

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2. THE BACKSIDE OF ALL DIRECTIONAL INDICATOR BARRICADES ARE TO BE REMOVED OR COVERED.

TEMPORARY PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
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- (D) TEMPORARY PAVEMENT MARKING - LINE 12" (SOLID YELLOW @ 45° DIAGONAL)
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ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 3
ARMOUR ROAD

SCALE: 1"=50' | SHEET 11 OF 11 SHEETS | STA. 154+50.00 | TO STA. 166+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	40
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

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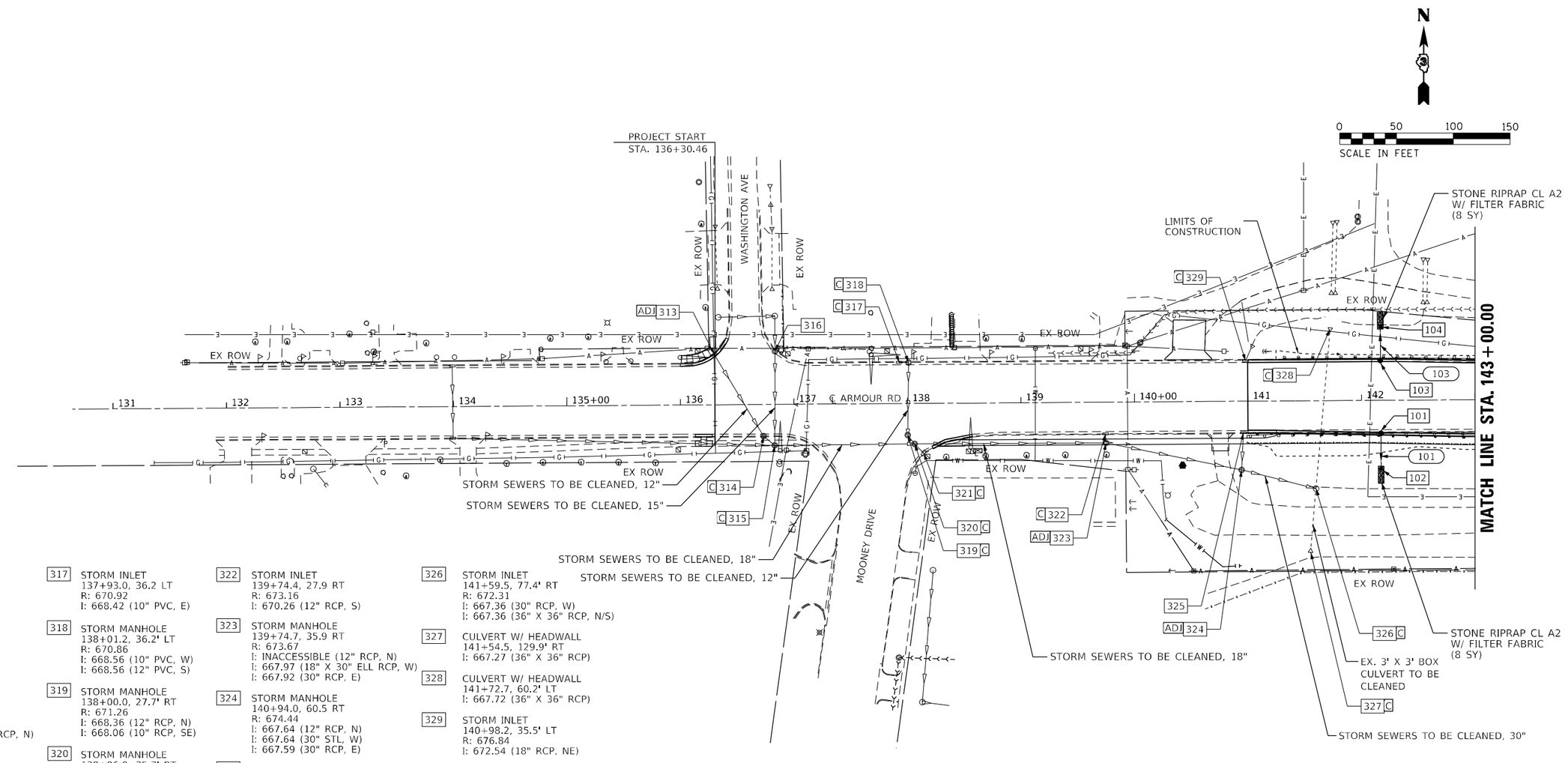


EXISTING STORM SEWER

313 STORM INLET
136+30.0, 44.4' LT
R: 672.12
I: 669.67 (10" PVC, SE)

314 STORM MANHOLE
136+73.0, 27.9' RT
R: 672.22
I: 669.17 (12" RCP, NW)
I: 669.17 (12" RCP, SE)

315 STORM MANHOLE
136+82.8, 36.0' RT
R: 672.81
I: 668.81 (12" RCP, NW)
I: 668.81 (15" X 21" ELL RCP, N)
I: 668.81 (15" RCP, W)
I: 668.81 (18" RCP, E)

316 STORM MANHOLE
136+83.6, 46.8' LT
R: 671.61
I: 668.86 (15" X 21" ELL RCP, N)
I: 668.86 (15" X 21" ELL RCP, S)

317 STORM INLET
137+93.0, 36.2 LT
R: 670.92
I: 668.42 (10" PVC, E)

318 STORM MANHOLE
138+01.2, 36.2' LT
R: 670.86
I: 668.56 (10" PVC, W)
I: 668.56 (12" PVC, S)

319 STORM MANHOLE
138+00.0, 27.7' RT
R: 671.26
I: 668.36 (12" RCP, N)
I: 668.06 (10" RCP, SE)

320 STORM MANHOLE
138+06.0, 35.7' RT
R: 671.23
UNABLE TO OPEN

321 STORM INLET
138+14.0, 43.8' RT
R: 670.87
I: 668.32 (12" RCP, NW)

322 STORM INLET
139+74.4, 27.9 RT
R: 673.16
I: 670.26 (12" RCP, S)

323 STORM MANHOLE
139+74.7, 35.9 RT
R: 673.67
I: INACCESSIBLE (12" RCP, N)
I: 667.97 (18" X 30" ELL RCP, W)
I: 667.92 (30" RCP, E)

324 STORM MANHOLE
140+94.0, 60.5 RT
R: 674.44
I: 667.64 (12" RCP, N)
I: 667.64 (30" STL, W)
I: 667.59 (30" RCP, E)

325 STORM INLET
140+96.0, 27.7' RT
R: 677.15
I: 673.05 (12" RCP, S)

326 STORM INLET
141+59.5, 77.4' RT
R: 672.31
I: 667.36 (30" RCP, W)
I: 667.36 (36" X 36" RCP, N/S)

327 CULVERT W/ HEADWALL
141+54.5, 129.9' RT
I: 667.27 (36" X 36" RCP)

328 CULVERT W/ HEADWALL
141+72.7, 60.2' LT
I: 667.72 (36" X 36" RCP)

329 STORM INLET
140+98.2, 35.5' LT
R: 676.84
I: 672.54 (18" RCP, NE)

LEGEND

ADJ MANHOLE TO BE ADJUSTED, CATCH BASINS TO BE ADJUSTED

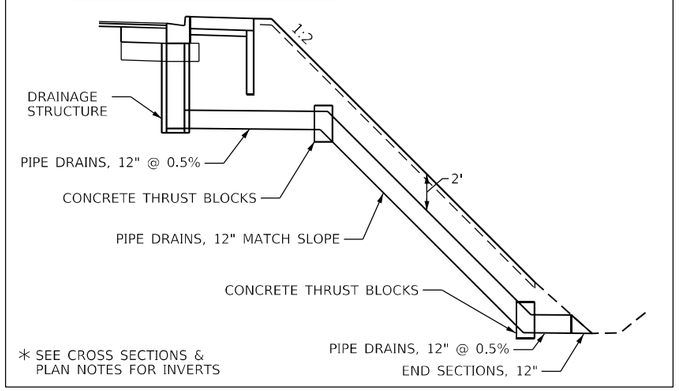
R CATCH BASIN TO BE REMOVED, REMOVE EXISTING FLARED END SECTION, PIPE CULVERT REMOVAL

C DRAINAGE STRUCTURE TO BE CLEANED

NOTES:

1) SET GUARDRAIL POSTS AT A LOCATION TO AVOID CONFLICT WITH PROPOSED STORMSEWER.

PIPE DRAINS 12" (TYPICAL DETAIL)



* SEE CROSS SECTIONS & PLAN NOTES FOR INVERTS

PROPOSED

101 30' - STORM SEW CL A 2 12 @ 0.5%

103 36' PIPE DRAINS 12" (SEE DETAIL)
2 CONCRETE THRUST BLOCKS

101 142+17, 29' RT
INLETS TYPE A
24 FRAME AND GRATE
RIM: 681.77
INV: 676.18, 12" S

102 142+17, 58' RT
END SECTION, 12"
INV: 676.01

103 142+17, 35' LT
INLETS TYPE A
24 FRAME AND GRATE
RIM: 681.68
INV: 677.48, 12" N

104 142+17, 62.7' LT
END SECTION, 12"
INV: 668.23

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
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PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/10/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. 130+00.00 TO STA. 143+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	41
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

SFILES

LEGEND

ADJ MANHOLE TO BE ADJUSTED, CATCH BASINS TO BE ADJUSTED

R CATCH BASIN TO BE REMOVED, REMOVE EXISTING FLARED END SECTION, PIPE CULVERT REMOVAL

C DRAINAGE STRUCTURE TO BE CLEANED

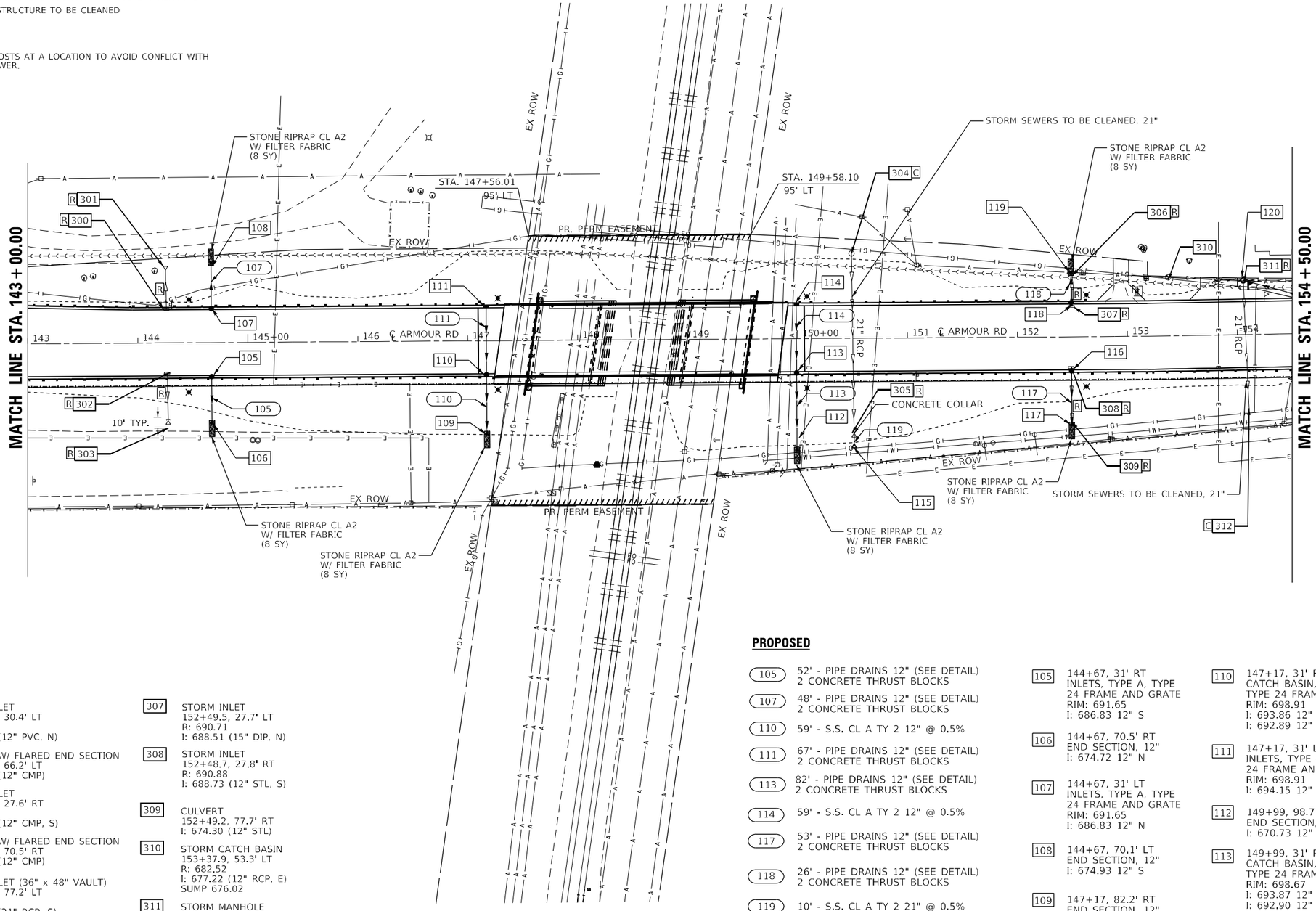
NOTES:

1) SET GUARDRAIL POSTS AT A LOCATION TO AVOID CONFLICT WITH PROPOSED STORMSEWER.

N

0 50 100 150

SCALE IN FEET



EXISTING

300 STORM INLET
144+26.2, 30.4' LT
R: 689.86
I: 686.76 (12" PVC, N)

301 CULVERT W/ FLARED END SECTION
144+25.6, 66.2' LT
I: 675.29 (12" CMP)

302 STORM INLET
144+26.7, 27.6' RT
R: 690.06
I: 687.56 (12" CMP, S)

303 CULVERT W/ FLARED END SECTION
144+27.2, 70.5' RT
I: 675.38 (12" CMP)

304 STORM INLET (36" x 48" VAULT)
150+49.6, 77.2' LT
R: 678.82
I: 672.32 (21" RCP, S)

305 CULVERT W/ HEADWALL
150+50.9, 86.3 ' RT
I: 670.00 (21" RCP)

306 CULVERT
152+50.2, 55.8' LT
I: 680.44 (12" CMP)

307 STORM INLET
152+49.5, 27.7' LT
R: 690.71
I: 688.51 (15" DIP, N)

308 STORM INLET
152+48.7, 27.8' RT
R: 690.88
I: 688.73 (12" STL, S)

309 CULVERT
152+49.2, 77.7' RT
I: 674.30 (12" STL)

310 STORM CATCH BASIN
153+37.9, 53.3' LT
R: 682.52
I: 677.22 (12" RCP, E)
SUMP 676.02

311 STORM MANHOLE
154+06.2, 49.4' LT
R: 681.67
I: 677.67 (6" PVC, E)
I: 676.27 (12" RCP, W)
I: 676.07 (21" RCP, S)

312 CULVERT
154+09.5, 67.2' RT
I: 674.71 (21" RCP)

PROPOSED

105 52' - PIPE DRAINS 12" (SEE DETAIL)
2 CONCRETE THRUST BLOCKS

107 48' - PIPE DRAINS 12" (SEE DETAIL)
2 CONCRETE THRUST BLOCKS

110 59' - S.S. CL A TY 2 12" @ 0.5%

111 67' - PIPE DRAINS 12" (SEE DETAIL)
2 CONCRETE THRUST BLOCKS

113 82' - PIPE DRAINS 12" (SEE DETAIL)
2 CONCRETE THRUST BLOCKS

114 59' - S.S. CL A TY 2 12" @ 0.5%

117 53' - PIPE DRAINS 12" (SEE DETAIL)
2 CONCRETE THRUST BLOCKS

118 26' - PIPE DRAINS 12" (SEE DETAIL)
2 CONCRETE THRUST BLOCKS

119 10' - S.S. CL A TY 2 21" @ 0.5%

105 144+67, 31' RT
INLETS, TYPE A, TYPE
24 FRAME AND GRATE
RIM: 691.65
I: 686.83 12" S

106 144+67, 70.5' RT
END SECTION, 12"
I: 674.72 12" N

107 144+67, 31' LT
INLETS, TYPE A, TYPE
24 FRAME AND GRATE
RIM: 691.65
I: 686.83 12" N

108 144+67, 70.1' LT
END SECTION, 12"
I: 674.93 12" S

109 147+17, 82.2' RT
END SECTION, 12"
I: 676.32 12" N

110 147+17, 31' RT
CATCH BASIN, TYPE A
TYPE 24 FRAME AND GRATE
RIM: 698.91
I: 693.86 12" N
I: 692.89 12" S

111 147+17, 31' LT
INLETS, TYPE A, TYPE
24 FRAME AND GRATE
RIM: 698.91
I: 694.15 12" S

112 149+99, 98.7' RT
END SECTION, 12"
I: 670.73 12" N

113 149+99, 31' RT
CATCH BASIN, TYPE A
TYPE 24 FRAME AND GRATE
RIM: 698.67
I: 693.87 12" N
I: 692.90 12" S

114 149+99, 31' LT
INLETS, TYPE A, TYPE
24 FRAME AND GRATE
RIM: 698.67
I: 694.17 12" S

115 150+50.7, 98.1' RT
END SECTION, 21"
I: 670.79 21" N

116 152+49, 31' RT
INLETS, TYPE A, TYPE
24 FRAME AND GRATE
RIM: 690.98
I: 685.14 12" S

117 152+49, 77.7' RT
END SECTION, 12"
I: 674.31 12" N

118 152+49, 31' LT
INLETS, TYPE A, TYPE
24 FRAME AND GRATE
RIM: 690.98
I: 685.98 12" N

119 152+49, 55.8' LT
END SECTION, 12"
I: 680.54 12" S

120 154+06, 49.4' LT
MANHOLE, TYPE A 4' DIA.
TYPE 8 GRATE
RIM: 681.67
I: 677.67 6" E EX
I: 676.27 12" W EX
I: 676.07 12" S EX
I: 676.07 12" E

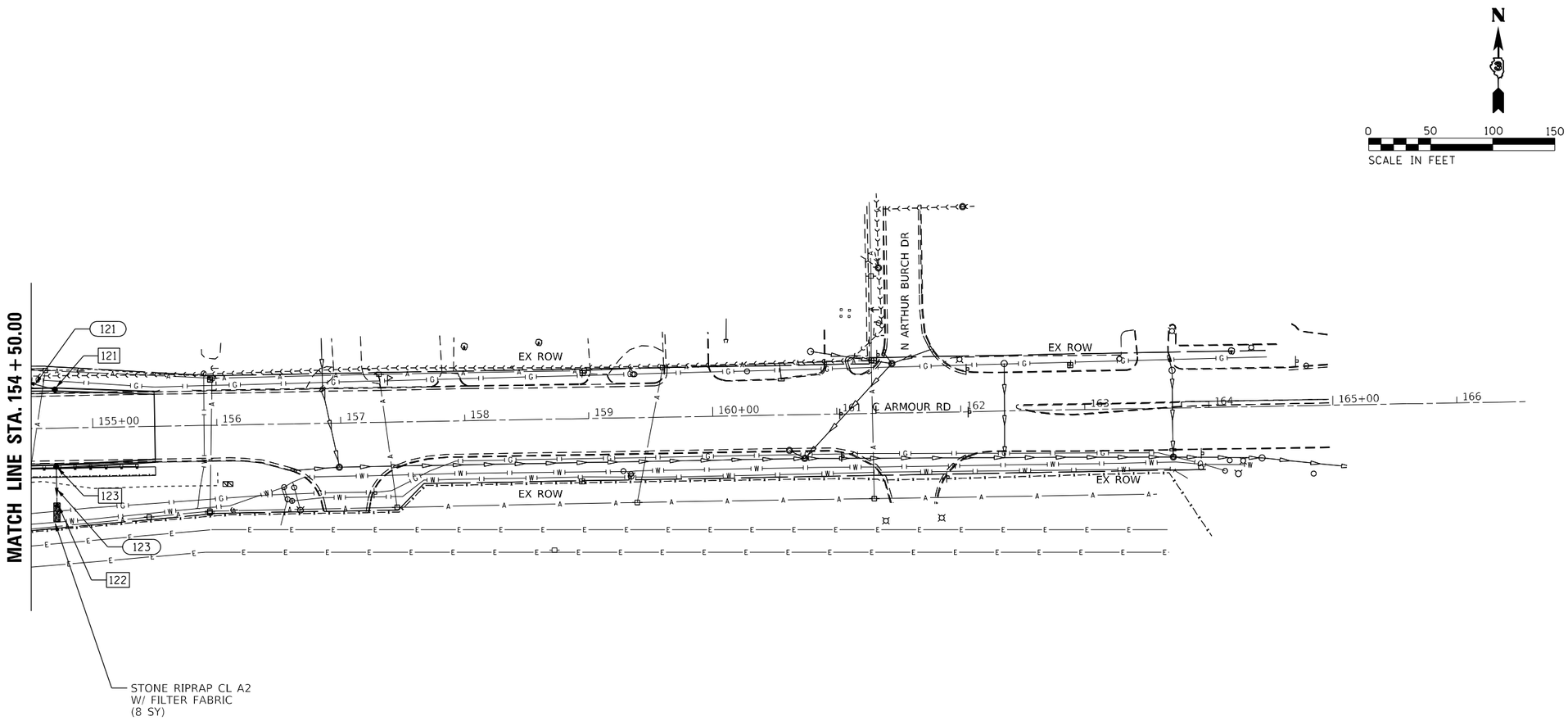
ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - M. GIRGIS	REVISED -	
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
	PLOT DATE = 3/15/2021	DATE - 8/28/2020	REVISED -	

DRAINAGE & UTILITIES

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 143+00.00 TO STA. 154+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	42
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

SFILES



LEGEND

- ADJ — MANHOLE TO BE ADJUSTED, CATCH BASINS TO BE ADJUSTED
- R — CATCH BASIN TO BE REMOVED, REMOVE EXISTING FLARED END SECTION, PIPE CULVERT REMOVAL
- C — DRAINAGE STRUCTURE TO BE CLEANED

NOTES:

1) SET GUARDRAIL POSTS AT A LOCATION TO AVOID CONFLICT WITH PROPOSED STORMSEWER.

PROPOSED

- (121) 64' - S.S. CL A TY 2 12" @ 0.5%
- (123) 27' - S.S. CL A TY 2 12" @ 0.5%

- [121] 154+70, 31' LT
  INLETS, TYPE A, TYPE 24 FRAME AND GRATE
  RIM: 682.55
  I: 676.73 12" W
- [122] 154+70, 60.2' RT
  END SECTION, 12"
  I: 676.98 12" N
- [123] 154+70, 31' RT
  INLETS, TYPE A, TYPE 24 FRAME AND GRATE
  RIM: 682.88
  I: 677.13 12" S

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

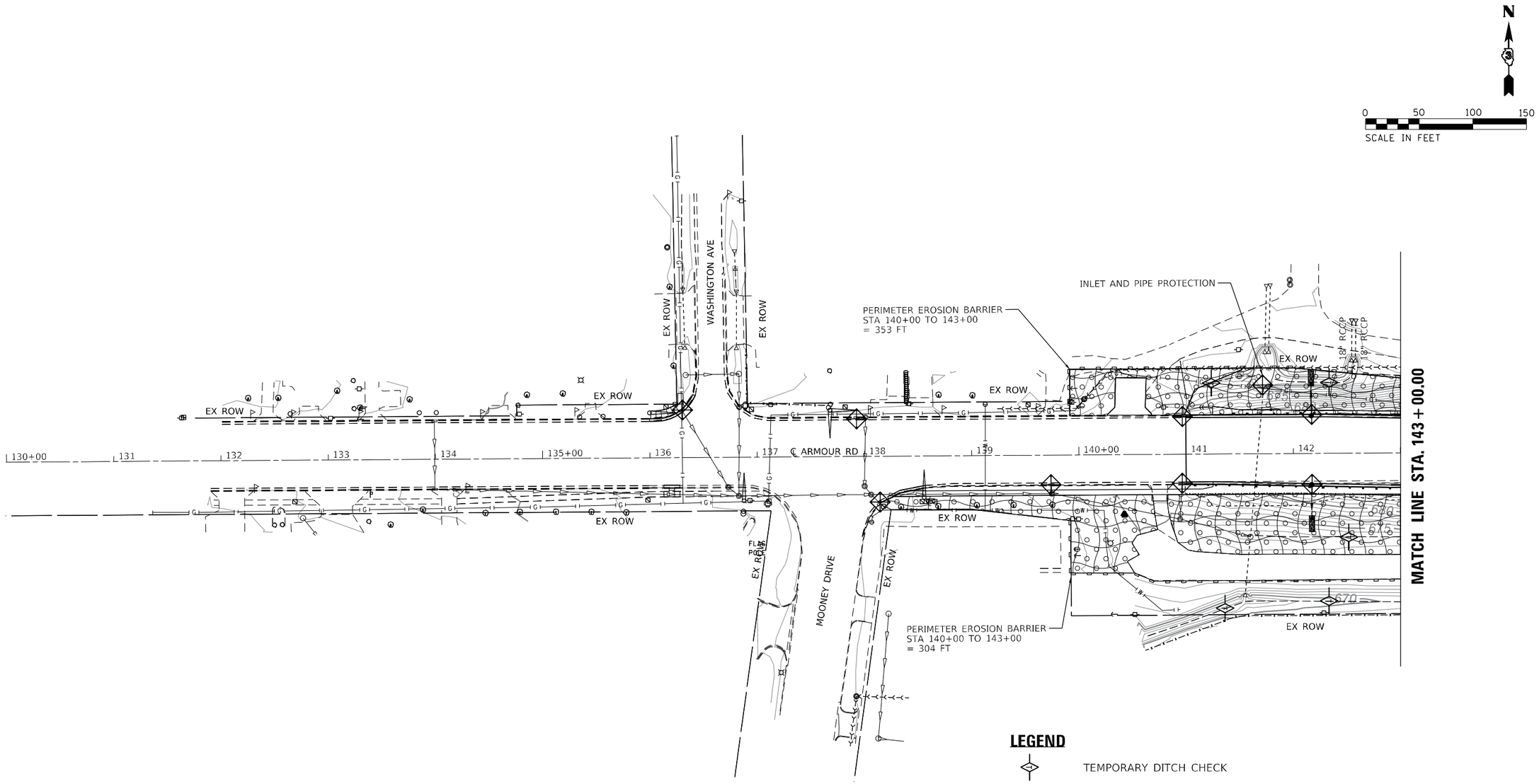
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITIES

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. 154+50.00 | TO STA. 166+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	43
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

SFILES



LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING CLASS 2A
  EROSION CONTROL BLANKET

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/9/2020	DATE - 8/28/2020	REVISED -

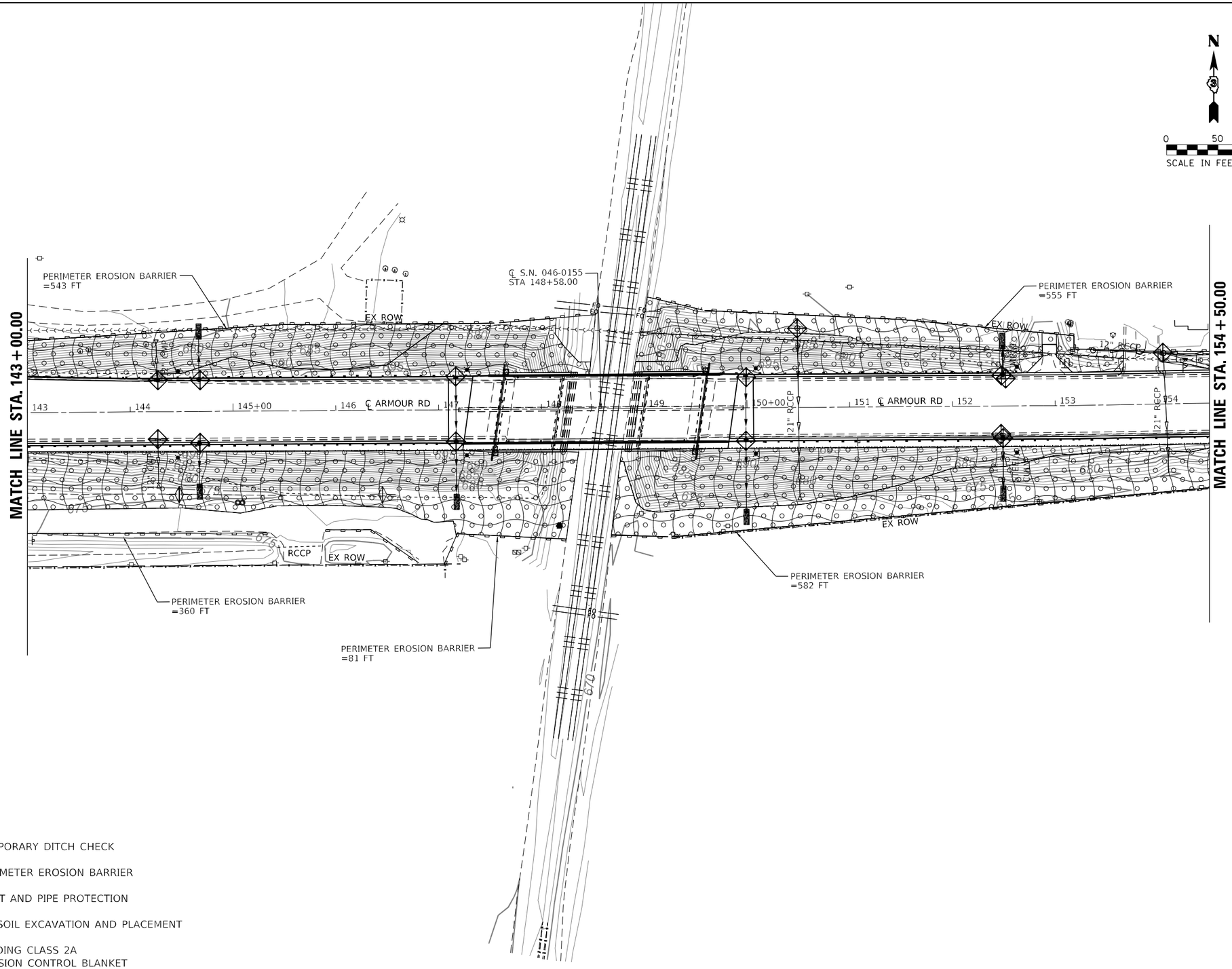
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL AND LANDSCAPING PLANS

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. 130+00.00 TO STA. 143+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	44
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

SFILES



LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING CLASS 2A
  EROSION CONTROL BLANKET

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 3/15/2021	DATE - 8/28/2020	REVISED -

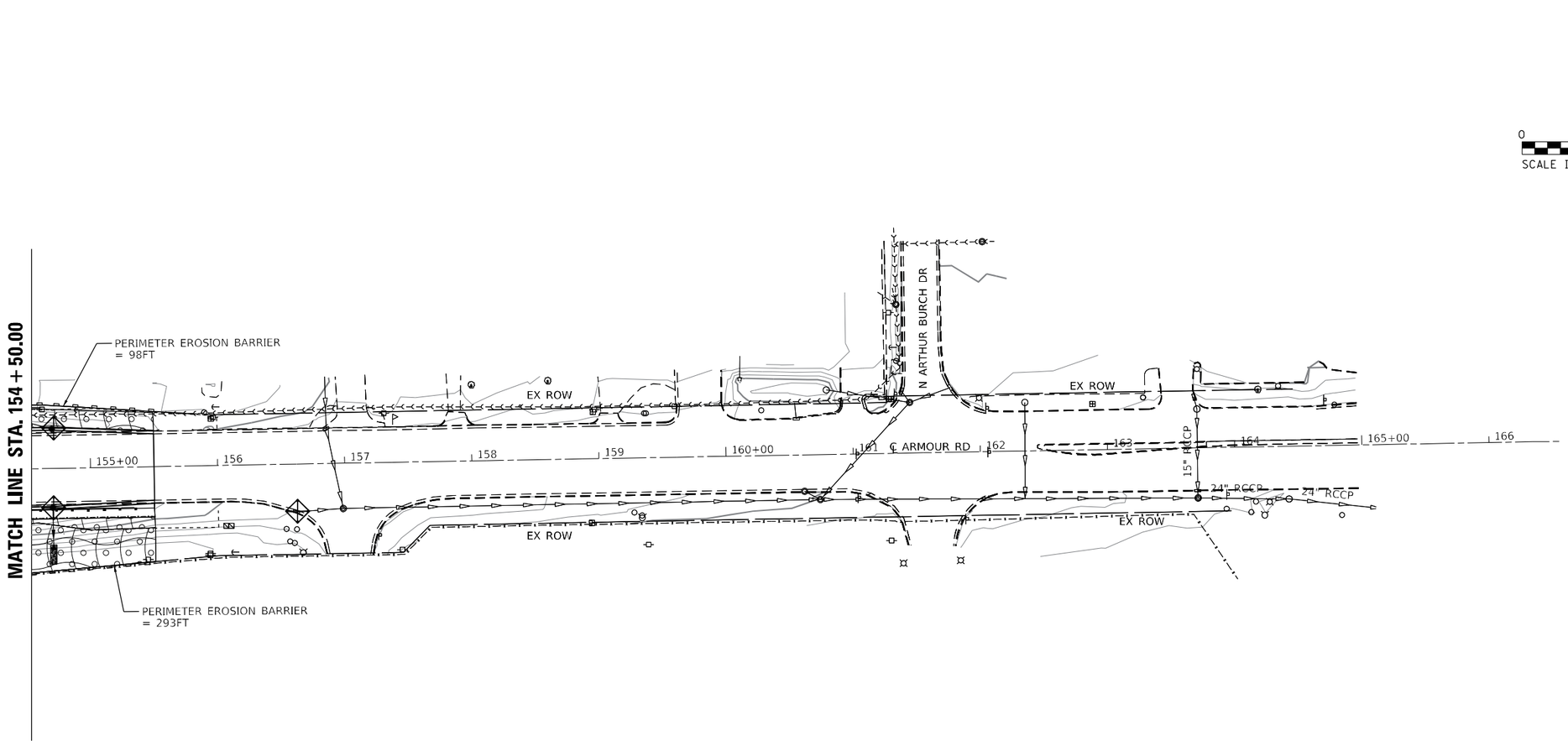
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL AND LANDSCAPING PLANS

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 143+00.00 TO STA. 154+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	45
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

SFILES



LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING CLASS 2A
  EROSION CONTROL BLANKET

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=100.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/9/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL AND LANDSCAPING PLANS

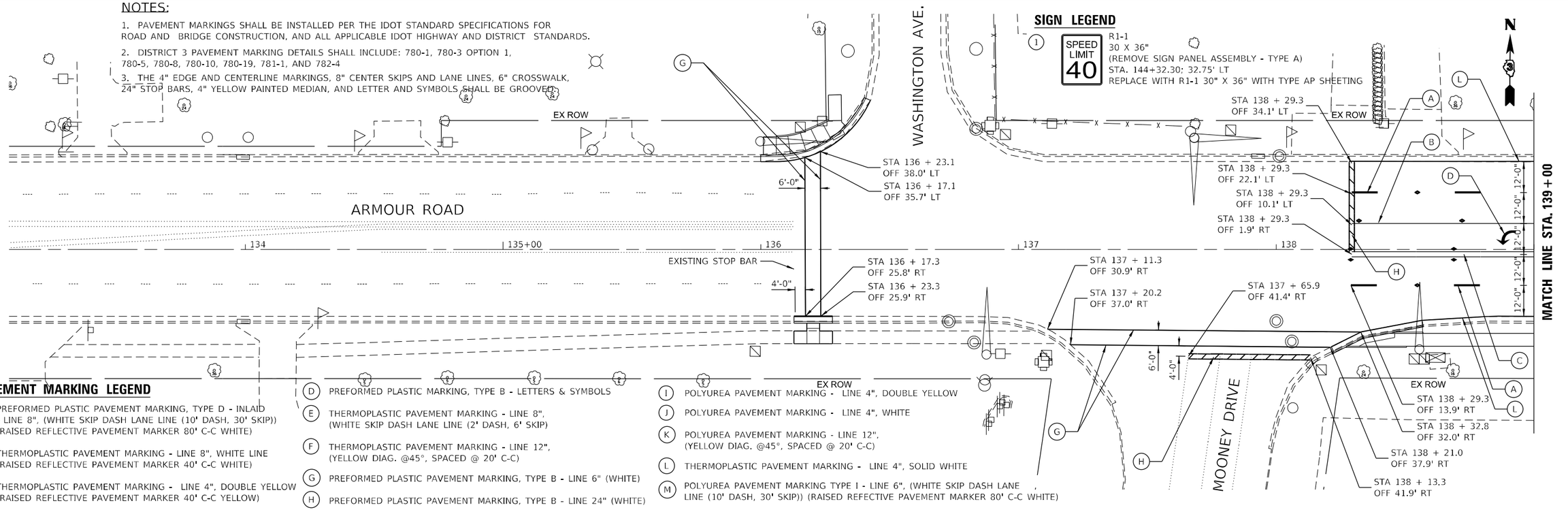
SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. 154+50.00 TO STA. 166+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	46
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

$FILE$

NOTES:

1. PAVEMENT MARKINGS SHALL BE INSTALLED PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ALL APPLICABLE IDOT HIGHWAY AND DISTRICT STANDARDS.
2. DISTRICT 3 PAVEMENT MARKING DETAILS SHALL INCLUDE: 780-1, 780-3 OPTION 1, 780-5, 780-8, 780-10, 780-19, 781-1, AND 782-4
3. THE 4" EDGE AND CENTERLINE MARKINGS, 8" CENTER SKIPS AND LANE LINES, 6" CROSSWALK, 24" STOP BARS, 4" YELLOW PAINTED MEDIAN, AND LETTER AND SYMBOLS SHALL BE GROOVED.



SIGN LEGEND

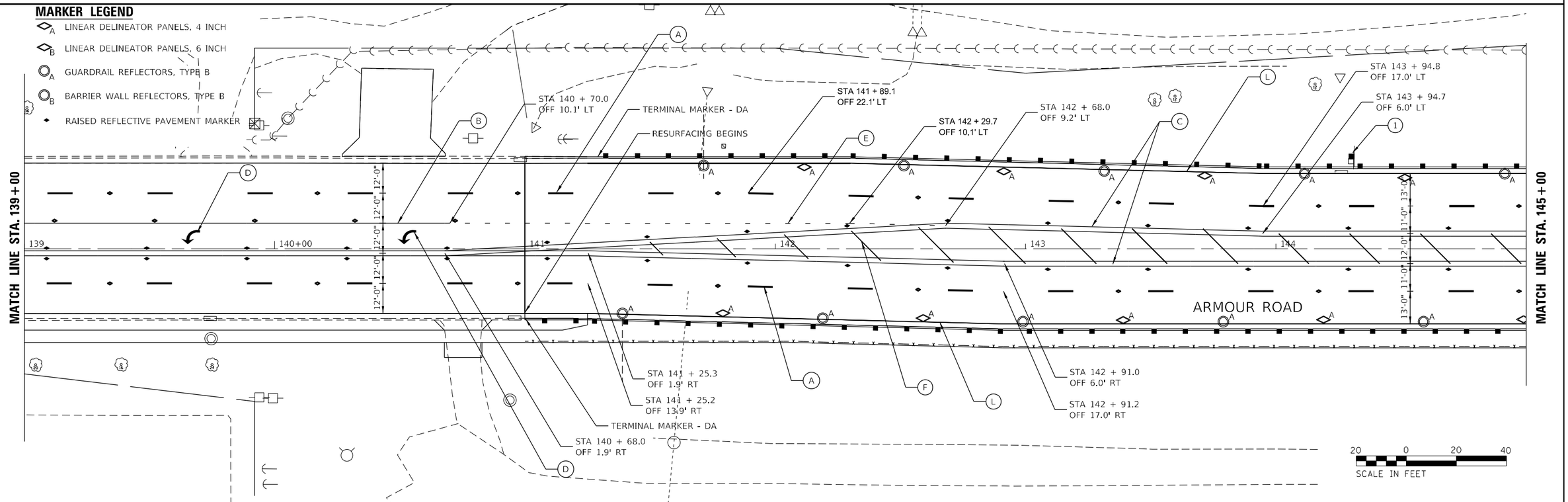
(I) SPEED LIMIT 40 — R1-1, 30 X 36" (REMOVE SIGN PANEL ASSEMBLY - TYPE A) STA. 144+32.30; 32.75' LT REPLACE WITH R1-1 30" X 36" WITH TYPE AP SHEETING

PAVEMENT MARKING LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 8", (WHITE SKIP DASH LANE LINE (10' DASH, 30' SKIP)) (RAISED REFLECTIVE PAVEMENT MARKER 80' C-C WHITE)
- (B) THERMOPLASTIC PAVEMENT MARKING - LINE 8", WHITE LINE (RAISED REFLECTIVE PAVEMENT MARKER 40' C-C WHITE)
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW (RAISED REFLECTIVE PAVEMENT MARKER 40' C-C YELLOW)
- (D) PREFORMED PLASTIC MARKING, TYPE B - LETTERS & SYMBOLS
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 8", (WHITE SKIP DASH LANE LINE (2' DASH, 6' SKIP)
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 12", (YELLOW DIAG. @45°, SPACED @ 20' C-C)
- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6" (WHITE)
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24" (WHITE)
- (I) POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW
- (J) POLYUREA PAVEMENT MARKING - LINE 4", WHITE
- (K) POLYUREA PAVEMENT MARKING - LINE 12", (YELLOW DIAG. @45°, SPACED @ 20' C-C)
- (L) THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE
- (M) POLYUREA PAVEMENT MARKING TYPE I - LINE 6", (WHITE SKIP DASH LANE LINE (10' DASH, 30' SKIP)) (RAISED REFECTIVE PAVEMENT MARKER 80' C-C WHITE)

MARKER LEGEND

- (A) LINEAR DELINEATOR PANELS, 4 INCH
- (B) LINEAR DELINEATOR PANELS, 6 INCH
- (A) GUARDRAIL REFLECTORS, TYPE B
- (B) BARRIER WALL REFLECTORS, TYPE B
- RAISED REFLECTIVE PAVEMENT MARKER



USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=40.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

ENGINEERING RESOURCE ASSOCIATES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1' : 20" | SHEET 1 OF 3 SHEETS | STA. 133+00.00 TO STA. 145+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	47
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

&FILES

SIGN LEGEND

(2) W3-1
30" X 30"
(REMOVE SIGN PANEL ASSEMBLY - TYPE A)
STA. 151+07.98; 34.21' RT
REPLACE WITH W3-1 36" X 36" WITH TYPE AZ SHEETING

MATCH LINE STA. 145 + 00

MATCH LINE STA. 151 + 00

STA 147+09.6 OFF 30.0' LT
STA 147+09.6 OFF 17.0' LT
STA 147+09.6 OFF 6.0' LT
STA 147+09.6 OFF 6.0' RT
STA 147+09.6 OFF 17.0' RT
STA 147+09.6 OFF 30.0' RT
STA 150+06.3 OFF 30.0' LT
STA 150+06.3 OFF 17.0' LT
STA 150+06.3 OFF 6.0' LT
STA 150+06.3 OFF 6.0' RT
STA 150+06.3 OFF 17.0' RT
STA 150+06.3 OFF 30.0' RT

145+00 146 147 148 149 150+00

13'-0" 11'-0" 12'-0" 11'-0" 13'-0"

ILLINOIS CENTRAL RAILROAD

N

NOTES:

1. PAVEMENT MARKINGS SHALL BE INSTALLED PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ALL APPLICABLE IDOT HIGHWAY AND DISTRICT STANDARDS.
2. DISTRICT 3 PAVEMENT MARKING DETAILS SHALL INCLUDE: 780-1, 780-3 OPTION 1, 780-5, 780-8, 780-10, 780-19, 781-1, AND 782-4
3. THE 4" EDGE AND CENTERLINE MARKINGS, 8" CENTER SKIPS AND LANE LINES, 6" CROSSWALK, 24" STOP BARS, 4" YELLOW PAINTED MEDIAN, AND LETTER AND SYMBOLS SHALL BE GROOVED.

PAVEMENT MARKING LEGEND

(A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 8", (WHITE SKIP DASH LANE LINE (10' DASH, 30' SKIP)) (RAISED REFLECTIVE PAVEMENT MARKER 80' C-C WHITE)

(B) THERMOPLASTIC PAVEMENT MARKING - LINE 8", WHITE LINE (RAISED REFLECTIVE PAVEMENT MARKER 40' C-C WHITE)

(C) THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW (RAISED REFLECTIVE PAVEMENT MARKER 40' C-C YELLOW)

(D) PREFORMED PLASTIC MARKING, TYPE B - LETTERS & SYMBOLS

(E) THERMOPLASTIC PAVEMENT MARKING - LINE 8", (WHITE SKIP DASH LANE LINE (2' DASH, 6' SKIP)

(F) THERMOPLASTIC PAVEMENT MARKING - LINE 12", (YELLOW DIAG. @45°, SPACED @ 20' C-C)

(G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6" (WHITE)

(H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24" (WHITE)

(I) POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW

(J) POLYUREA PAVEMENT MARKING - LINE 4", WHITE

(K) POLYUREA PAVEMENT MARKING - LINE 12", (YELLOW DIAG. @45°, SPACED @ 20' C-C)

(L) THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE

(M) POLYUREA PAVEMENT MARKING TYPE I - LINE 6", (WHITE SKIP DASH LANE LINE (10' DASH, 30' SKIP)) (RAISED REFECTIVE PAVEMENT MARKER 80' C-C WHITE)

VILLAGE SIGN REMOVAL
STA 153+19.6
OFF 38.9' LT

TERMINAL MARKER - DA

STA 153 + 18.4 OFF 17.0' LT
STA 153 + 18.4 OFF 6.0' LT
STA 153 + 18.6 OFF 6.0' RT
STA 153 + 18.6 OFF 17.0' RT

STA 154 + 70.0 OFF 30.0' LT
STA 154 + 70.0 OFF 17.0' LT
STA 154 + 70.0 OFF 6.0' LT
STA 154 + 70.0 OFF 6.0' RT
STA 154 + 70.0 OFF 17.0' RT
STA 154 + 70.0 OFF 30.0' RT

STA 155 + 50.0 OFF 14.0' LT
STA 155 + 50.0 OFF 25.8' LT
STA 155 + 50.0 OFF 2.0' LT
STA 155 + 50.0 OFF 2.0' RT
STA 155 + 50.0 OFF 14.0' RT
STA 155 + 50.0 OFF 26.5' RT

END OF RESURFACING

151 152 153 154 155+00 156

13'-0" 11'-0" 12'-0" 11'-0" 13'-0"

12'-6" 11'-0" 8'-0" 11'-0" 12'-0"

MARKER LEGEND

(2) (A) LINEAR DELINEATOR PANELS, 4 INCH
(B) LINEAR DELINEATOR PANELS, 6 INCH
(A) GUARDRAIL REFLECTORS, TYPE B
(B) BARRIER WALL REFLECTORS, TYPE B
RAISED REFLECTIVE PAVEMENT MARKER

20 0 20 40
SCALE IN FEET

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=40.0000 ' / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

ENGINEERING RESOURCE ASSOCIATES

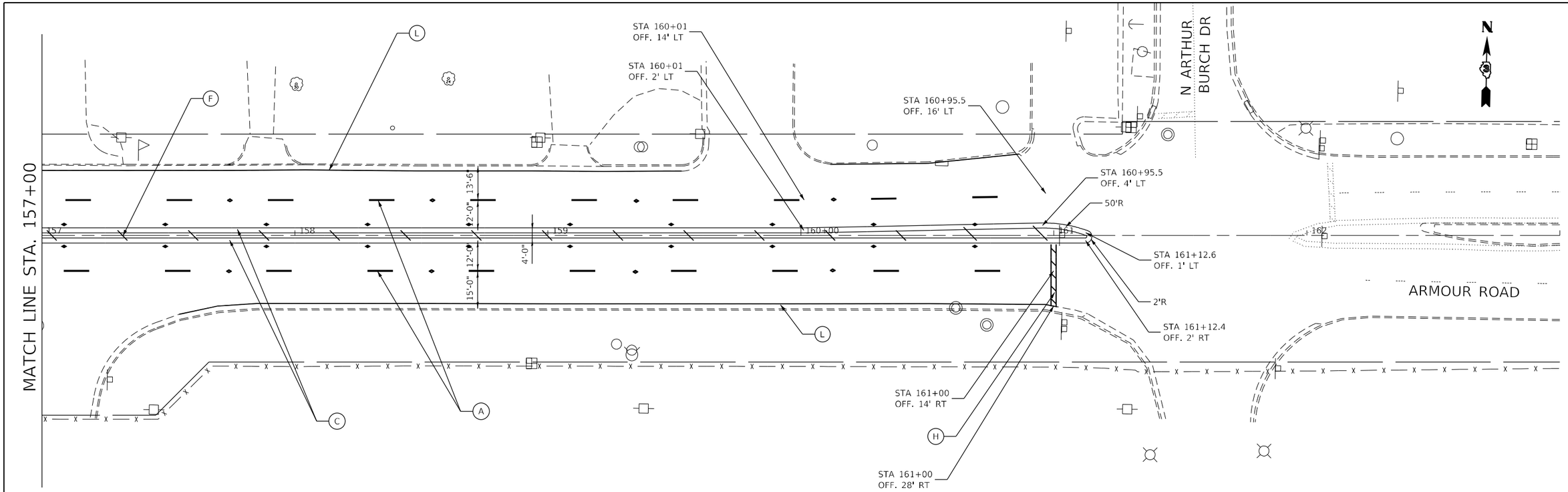
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1' : 20" | SHEET 2 OF 3 SHEETS | STA. 145+00.00 TO STA. 157+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	48
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

STILES



PAVEMENT MARKING LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 8", (WHITE SKIP DASH LANE LINE (10' DASH, 30' SKIP)) (RAISED REFLECTIVE PAVEMENT MARKER 80' C-C WHITE)
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- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW (RAISED REFLECTIVE PAVEMENT MARKER 40' C-C YELLOW)
- (D) PREFORMED PLASTIC MARKING, TYPE B - LETTERS & SYMBOLS
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 8", (WHITE SKIP DASH LANE LINE (2' DASH, 6' SKIP)
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- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6" (WHITE)
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24" (WHITE)
- (I) POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW
- (J) POLYUREA PAVEMENT MARKING - LINE 4", WHITE
- (K) POLYUREA PAVEMENT MARKING - LINE 12", (YELLOW DIAG. @45°, SPACED @ 20' C-C)
- (L) THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE
- (M) POLYUREA PAVEMENT MARKING TYPE I - LINE 6", (WHITE SKIP DASH LANE LINE (10' DASH, 30' SKIP)) (RAISED REFECTIVE PAVEMENT MARKER 80' C-C WHITE)

NOTES:

1. PAVEMENT MARKINGS SHALL BE INSTALLED PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ALL APPLICABLE IDOT HIGHWAY AND DISTRICT STANDARDS.
2. DISTRICT 3 PAVEMENT MARKING DETAILS SHALL INCLUDE: 780-1, 780-3 OPTION 1, 780-5, 780-8, 780-10, 780-19, 781-1, AND 782-4
3. THE 4" EDGE AND CENTERLINE MARKINGS, 8" CENTER SKIPS AND LANE LINES, 6" CROSSWALK, 24" STOP BARS, 4" YELLOW PAINTED MEDIAN, AND LETTER AND SYMBOLS SHALL BE GROOVED.

MARKER LEGEND

- $\diamond_A$ LINEAR DELINEATOR PANELS, 4 INCH
- $\diamond_B$ LINEAR DELINEATOR PANELS, 6 INCH
- $\circ_A$ GUARDRAIL REFLECTORS, TYPE B
- $\circ_B$ BARRIER WALL REFLECTORS, TYPE B
- RAISED REFLECTIVE PAVEMENT MARKER

20 0 20 40
SCALE IN FEET

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=40.0000 ' / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1':20" | SHEET 3 OF 3 SHEETS | STA. 157+00.00 | TO STA. 163+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	49
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
E-01	LEGEND, GENERAL NOTES, SCHEDULE OF QUANTITES AND INDEX OF DRAWINGS
E-02	LIGHTING PLAN AND WIRING DIAGRAMS
E-03	LIGHTING DETAILS - LUMINAIRE PERFORMANCE TABLE
TS-01	SIGNAL PLAN
TS-02	SIGNAL CABLE PLAN

IDOT HIGHWAY STANDARDS

DRAWING NO.	TITLE
812001-01	RACEWAYS EMBEDDED IN STRUCTURE
821101-02	LUMINAIRE WIRING IN POLE
825011-04	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
830006-05	LIGHT POLE ALUMINUM DAVIT ARM
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
AMP	AMPERE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
DIA.	DIAMETER
ECA	ELECTRIC CABLE ASSEMBLY
', FT	FEET OR FOOT
GND	GROUND
GFCI	GROUND FAULT CURRENT INTERRUPTER
CNC	COILABLE NONMETALLIC CONDUIT
HPS	HIGH PRESSURE SODIUM
I.D.	INNER DIAMETER
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LTFM	LIQUID TIGHT FLEXIBLE METALLIC
M	METER
MA	MAST ARM
W	WATTS
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO, #	NUMBER
O.D.	OUTER DIAMETER
P.V.C. OR PVC	POLYVINYL CHLORIDE
V	VOLTAGE
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SS	STAINLESS STEEL
STA	STATION
Ø	PHASE
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE
W/	WITH

LIGHTING LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHTING UNIT, 45' M.H., LUMINAIRE, LED, ROADWAY ON 12' DAVIT ARM U.N.O.
	PROPOSED LIGHTING CONTROLLER, 240 VOLTS, 60 AMP, SINGLE PHASE
	PROPOSED ELECTRIC SERVICE INSTALLATION, POLE MOUNTED
	PROPOSED JUNCTION BOX 12"X10"X6", STAINLESS STEEL
	PROPOSED HANDHOLE
	PROPOSED UNIT DUCT, 600V (XLP-TYPE USE) SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT, 600V (XLP-TYPE USE) IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED
	UNDERGROUND CONDUIT, COILABLE NONMETALLIC, $2\frac{1}{2}$" DIA.

LIGHTING NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
2. ALL NEW CONDUITS, JUNCTION BOXES AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
3. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS, AND THE IDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL THE LIGHT POLES AND THE LIGHTING CONTROLLER FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRECONSTRUCTION INSPECTION. THE EXACT LOCATION OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
5. THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATION OF THE FINISHED GRADE WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIKE SHALL REMAIN WITH THE CONTRACTOR.
7. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER. THE LUMINAIRES MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
8. CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 24 INCH DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
9. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS OF BURIED WARNING TAPE, AS PART OF THE UNDERGROUND CONDUIT OR UNIT DUCT. THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
10. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
11. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUITS, FOUNDATIONS AND UNIT DUCTS WITH THE ROADWAY, CURB AND SIDEWALK WORK, TRAFFIC SIGNAL WORK, AND UNDERGROUND UTILITIES.
12. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE BEEN CURED FOR A MINIMUM OF 10 DAYS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
13. TO MAINTAIN THE STRUCTURAL INTEGRITY, ALUMINUM POLES WITH DAVIT ARMS SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRES.
14. ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
15. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INSTALL THE POLES SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE.
16. THE CONTRACTOR SHALL PROVIDE AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.
17. UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, $2\frac{1}{2}$" DIA. SHALL BE SCHEDULE 80.
18. THE CONTRACTOR, IF WARRANTED BY FIELD CONDITIONS, SHALL PROVIDE ADDITIONAL LIGHT POLE FOUNDATION DEPTH GREATER THAN WHAT IS PROVIDED ON THE HIGHWAY STANDARD.
19. LIGHT POLES SHALL NOT BE INSTALLED CLOSER THAN 10 FEET FROM ADJACENT OVERHEAD ELECTRICAL LINES PER COMED REQUIREMENTS.

PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	SHEET E-2
	IDOT			
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
81028760	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 ½" DIA.	FOOT	80	80
81104580	CONDUIT ATTACHED STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	40	40
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC	FOOT	428	428
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4	4
81603010	UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), ¾" DIA. POLYETHYLENE	FOOT	1510	1510
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1176	1176
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8	8
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1	1
83003500	LIGHT POLE, ALUMINUM, 45FT. M.H., 12FT. DAVIT ARM	EACH	8	8
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 ⅝" X 6'	EACH	8	8
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1	1

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E–01

ABNA

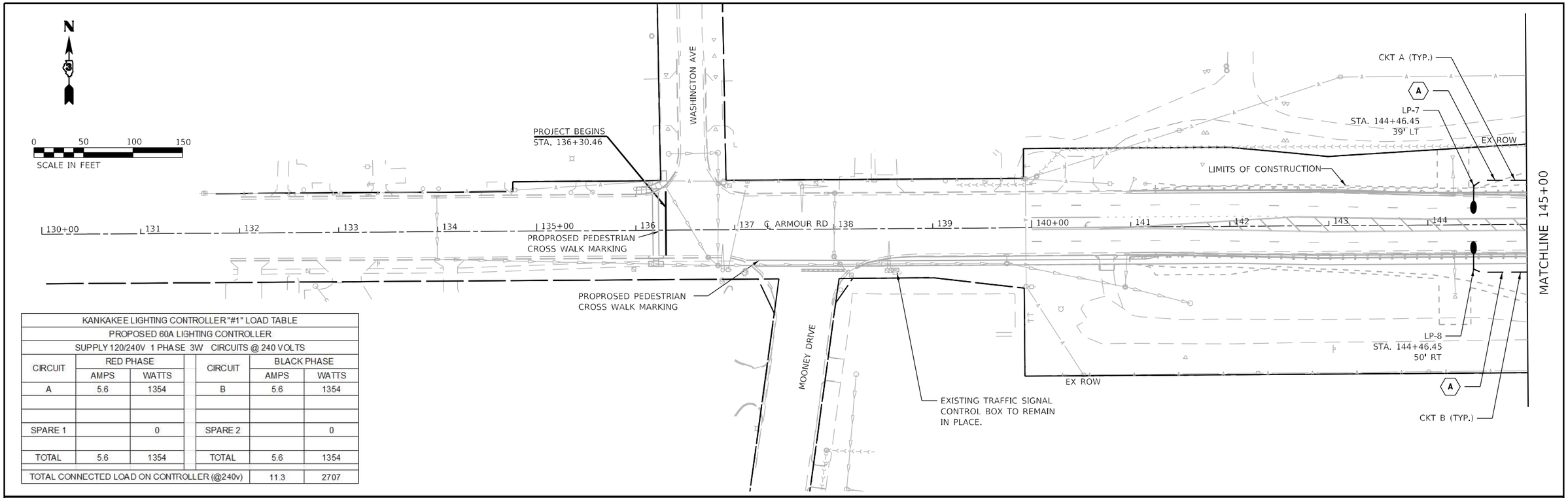
USER NAME=$USER$	DESIGNED - SJA	REVISED -
	DRAWN - AAB	REVISED -
PLOT SCALE=$SCALE$	CHECKED - FPE	REVISED -
PLOT DATE =2/10/2021	DATE - 2/10/2021	REVISED -

STATE OF ILLINOIS
DEOARTMENT OF TRANSPORTATION

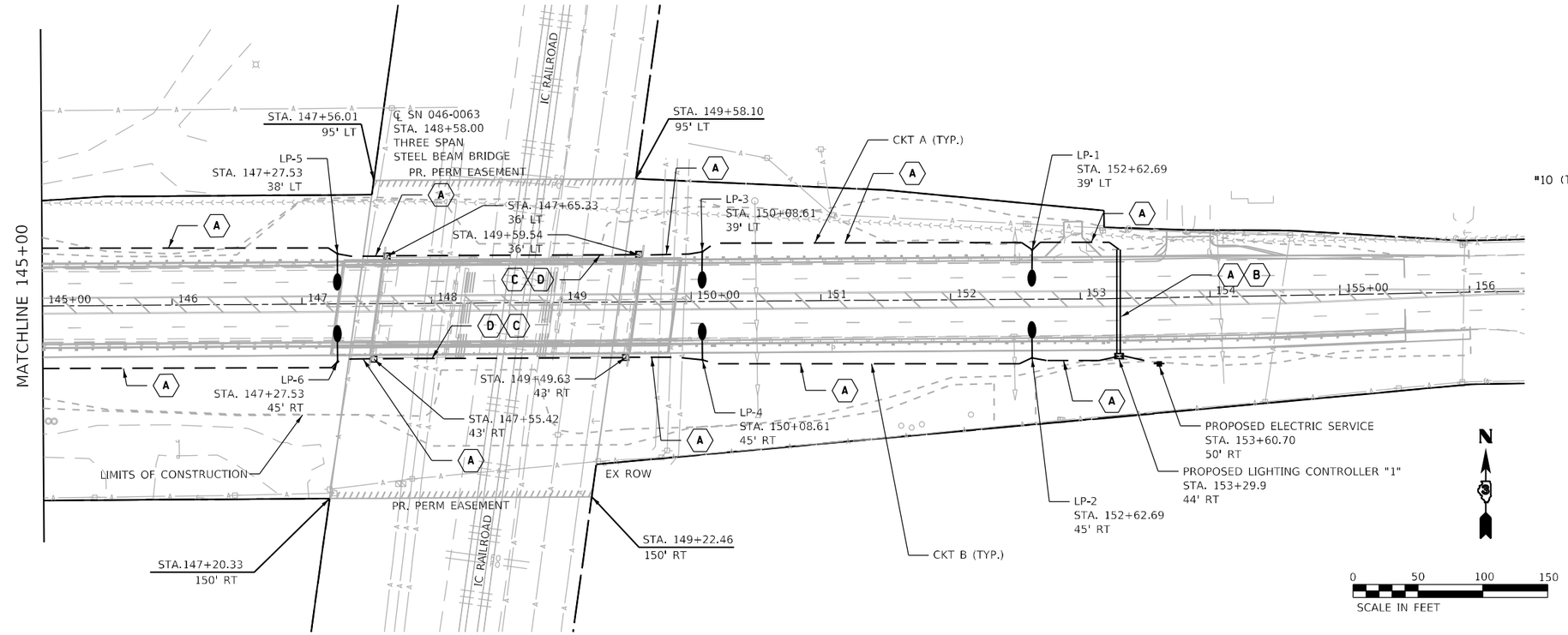
LEGEND, GENERAL NOTES, SCHEDULE OF QUANTITIES AND INDEX OF DRAWINGS

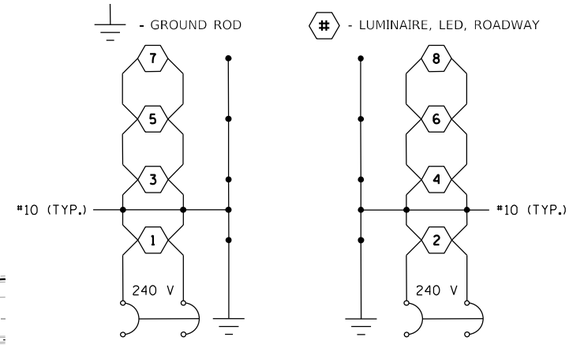
SCALE: NTS | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	50
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



KANKAKEE LIGHTING CONTROLLER "#1" LOAD TABLE					
PROPOSED 60A LIGHTING CONTROLLER					
SUPPLY 120/240V 1 PHASE 3W CIRCUITS @ 240 VOLTS					
CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	5.6	1354	B	5.6	1354
SPARE 1		0	SPARE 2		0
TOTAL	5.6	1354	TOTAL	5.6	1354
TOTAL CONNECTED LOAD ON CONTROLLER (@240v)				11.3	2707





PROPOSED LIGHTING CONTROLLER "1"

WIRING DIAGRAM

NOTE: ALL CABLE SHALL BE 600V, 2-1C NO. 10, 1-1C NO. 10 GROUND (XLP-TYPE USE), ¾" DIA. POLYETHYLENE UNLESS OTHERWISE NOTED. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

CABLE & CONDUIT DESCRIPTION

- (A) UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), ¾" DIA. POLYETHYLENE
- (B) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 ½" DIA.
- (C) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (D) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO. 10, 1/C NO. 10 GROUND

E–02

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ABNA

USER NAME = $USER$	DESIGNED - SJA	REVISED -	
	DRAWN - AAB	REVISED -	
PLOT SCALE = $$SCALE$	CHECKED - FPE	REVISED -	
PLOT DATE = 2/10/2021	DATE - 2/10/2021	REVISED -	

STATE OF ILLINOIS
DEOARTMENT OF TRANSPORTATION

LIGHTING PLAN AND WIRING DIAGRAMS

SCALE: 50 | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	51
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation

Luminaire Performance Table

Print Form | Reset Form

Project

Date	Contract Number	Section Number	County
01/25/21	66F11	(79R-VB)R	Kankakee

Marked Route Number	Municipality
6167	Village of Bourbonnais

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
12	2	12	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign Lighting Only)
45	12	15	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
Roadway, Output Designation H	Type III	Medium

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U = 0	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
281	Opposite

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}
0.9	4.0

Average Luminance, L_{AVE} (cd/m²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_V/L_{AVE}
0.6	3.5	6.0	0.4

Light Tresspass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_V
N/A	N/A	N/A

Notes

1. Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

Calculation shall be performed with two lanes and half median in both directions.

Compliance with performance criteria shall be held to one significant digit.

Initial lumens of proposed luminaire may vary from the values specified in the table given in Article 1067.06 of the BDE Special Provision for Luminaire, LED.

Printed 02/10/21

BDE 5630 (04/10/19)

E–03

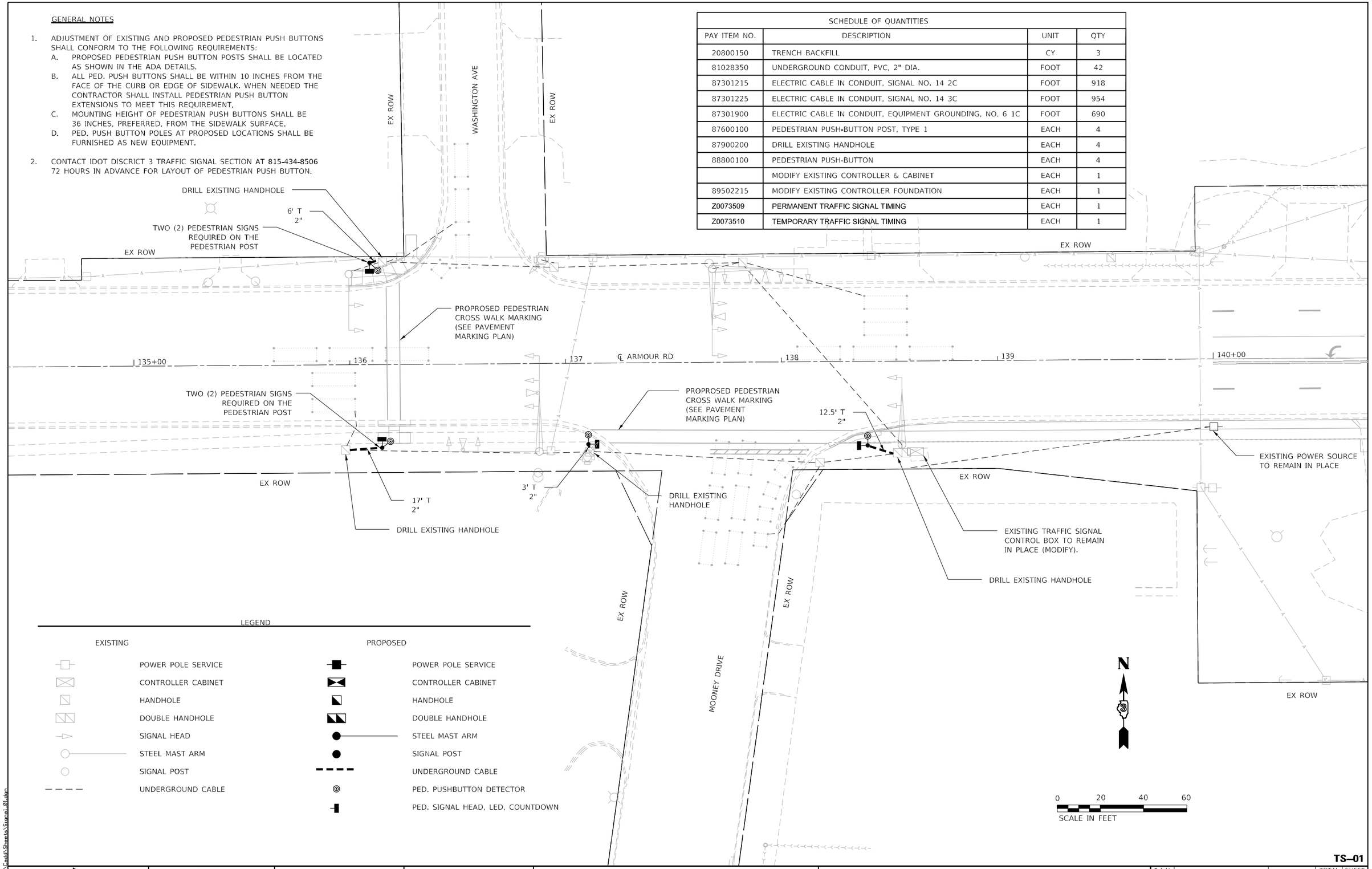
GENERAL NOTES

1. ADJUSTMENT OF EXISTING AND PROPOSED PEDESTRIAN PUSH BUTTONS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
   A. PROPOSED PEDESTRIAN PUSH BUTTON POSTS SHALL BE LOCATED AS SHOWN IN THE ADA DETAILS.
   B. ALL PED. PUSH BUTTONS SHALL BE WITHIN 10 INCHES FROM THE FACE OF THE CURB OR EDGE OF SIDEWALK. WHEN NEEDED THE CONTRACTOR SHALL INSTALL PEDESTRIAN PUSH BUTTON EXTENSIONS TO MEET THIS REQUIREMENT.
   C. MOUNTING HEIGHT OF PEDESTRIAN PUSH BUTTONS SHALL BE 36 INCHES, PREFERRED, FROM THE SIDEWALK SURFACE.
   D. PED. PUSH BUTTON POLES AT PROPOSED LOCATIONS SHALL BE FURNISHED AS NEW EQUIPMENT.

2. CONTACT IDOT DISCRICT 3 TRAFFIC SIGNAL SECTION AT 815-434-8506 72 HOURS IN ADVANCE FOR LAYOUT OF PEDESTRIAN PUSH BUTTON.

SCHEDULE OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	QTY
20800150	TRENCH BACKFILL	CY	3
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	42
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	918
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	954
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING, NO. 6 1C	FOOT	690
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE 1	EACH	4
87900200	DRILL EXISTING HANDHOLE	EACH	4
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
	MODIFY EXISTING CONTROLLER & CABINET	EACH	1
89502215	MODIFY EXISTING CONTROLLER FOUNDATION	EACH	1
Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



LEGEND

EXISTING	PROPOSED
POWER POLE SERVICE	POWER POLE SERVICE
CONTROLLER CABINET	CONTROLLER CABINET
HANDHOLE	HANDHOLE
DOUBLE HANDHOLE	DOUBLE HANDHOLE
SIGNAL HEAD	STEEL MAST ARM
STEEL MAST ARM	SIGNAL POST
SIGNAL POST	UNDERGROUND CABLE
UNDERGROUND CABLE	PED. PUSHBUTTON DETECTOR
	PED. SIGNAL HEAD, LED, COUNTDOWN

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TS–01

ABNA

USER NAME = $USER$	DESIGNED - SJA	REVISED -
	DRAWN - AAB	REVISED -
PLOT SCALE = $SCALE$	CHECKED - FPE	REVISED -
PLOT DATE = 12/8/2020	DATE - 12/07/2020	REVISED -

STATE OF ILLINOIS
DEOARTMENT OF TRANSPORTATION

SIGNAL PLAN
FAU ROUTE 6176 (ARMOUR ROAD)

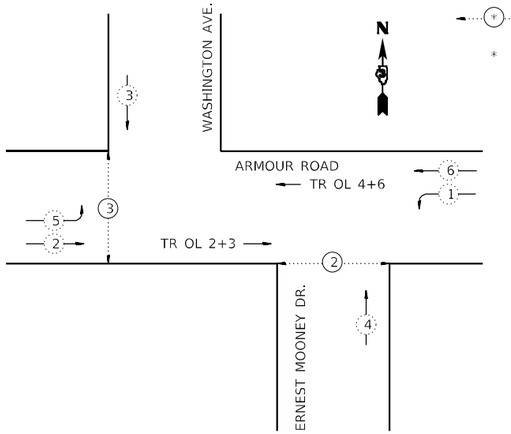
SCALE: 20 | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	53
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

LEGEND

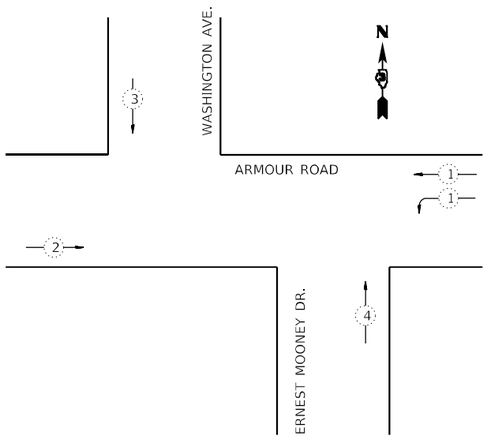
- DUAL ENTRY
- SINGLE ENTRY
- OL — OVERLAP
- PEDESTRIAN PHASE
- * — NUMBER REFERS TO ASSOCIATED PHASE

CONTROL SEQUENCE



PHASE DESIGNATION DIAGRAM

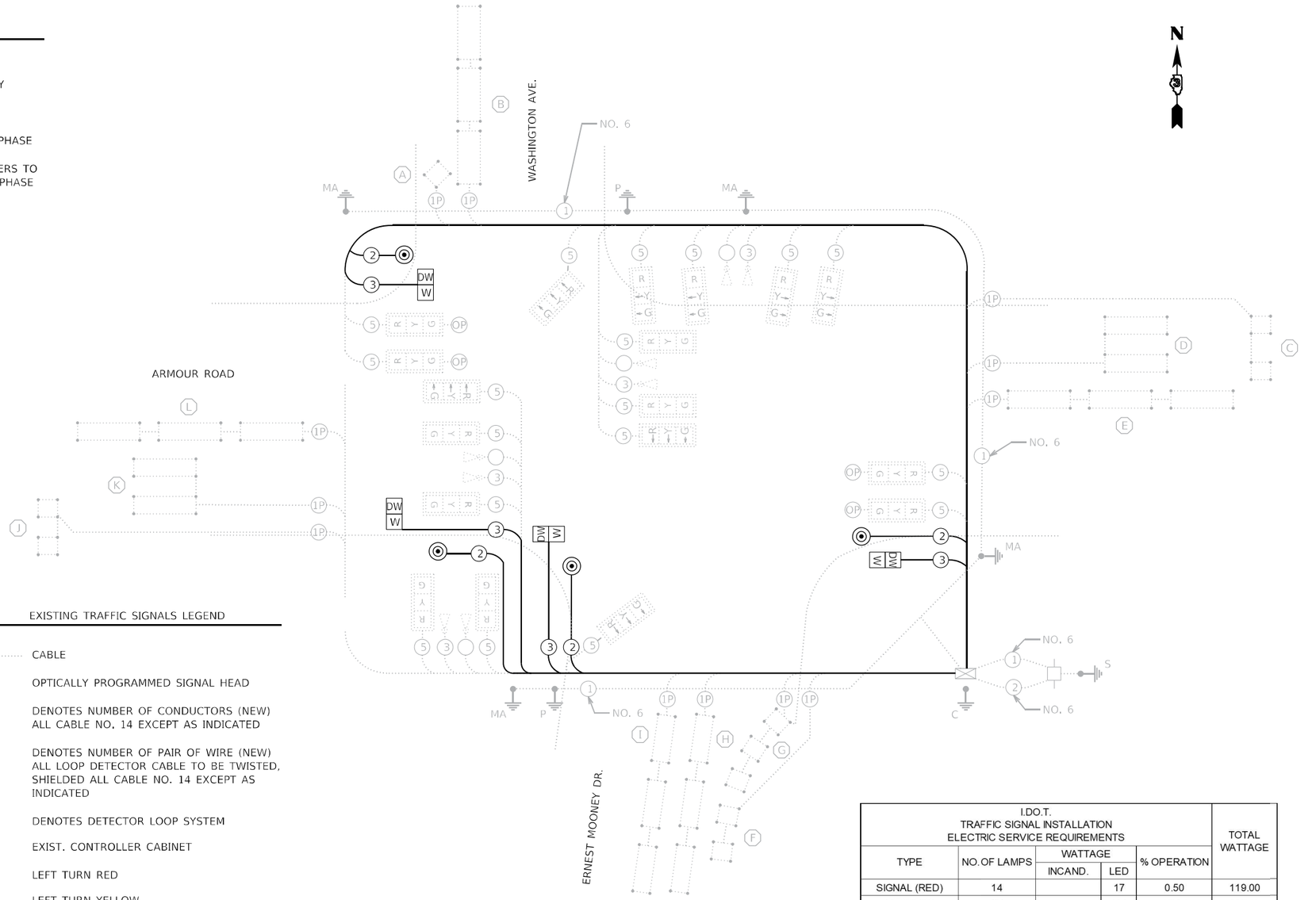
EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	2	1
MOVEMENT	↓	→	←

EXISTING TRAFFIC SIGNALS LEGEND

- CABLE
- OP — OPTICALLY PROGRAMMED SIGNAL HEAD
- * — DENOTES NUMBER OF CONDUCTORS (NEW) ALL CABLE NO. 14 EXCEPT AS INDICATED
- 1P — DENOTES NUMBER OF PAIR OF WIRE (NEW) ALL LOOP DETECTOR CABLE TO BE TWISTED, SHIELDED ALL CABLE NO. 14 EXCEPT AS INDICATED
- C — DENOTES DETECTOR LOOP SYSTEM
- EXIST. CONTROLLER CABINET
- R — LEFT TURN RED
- Y — LEFT TURN YELLOW
- G — LEFT TURN GREEN
- SIGNAL SECTION 12"
- EMERGENCY VEHICLE CONFIRMATION BEACON
- EMERGENCY VEHICLE LIGHT DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- TRAFFIC SIGNAL BACKPLATE
- GROUND ROD AT POST (P) OR MAST ARM (MA) OR HANDHOLE (H) OR CONTROLLER (C) OR SERVICE INSTALLATION (S)



PROPOSED TRAFFIC SIGNALS LEGEND

- CABLE
- DW / W — 12" PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- * — DENOTES NUMBER OF CONDUCTORS (NEW) ALL CABLE NO. 14 EXCEPT AS INDICATED
- PED. PUSHBUTTON DETECTOR

I.DO.T. TRAFFIC SIGNAL INSTALLATION ELECTRIC SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	14		17	0.50	119.00
(YELLOW)	10		25	0.25	62.50
(GREEN)	10		15	0.25	37.50
ARROW	20		12	0.10	24.00
PED. SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN			25	0.05	0.00
					0.00
					0.00
					0.00
FLASHER				0.50	0.00
ENERGY COST TO:				TOTAL =	443.00

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY/DISTRICT 3
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 6096-1096

ENERGY SUPPLY: CONTACT: STEVE FITZGERALD
PHONE : (708) 235-2327
COMPANY: COMED

TS–02

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ABNA

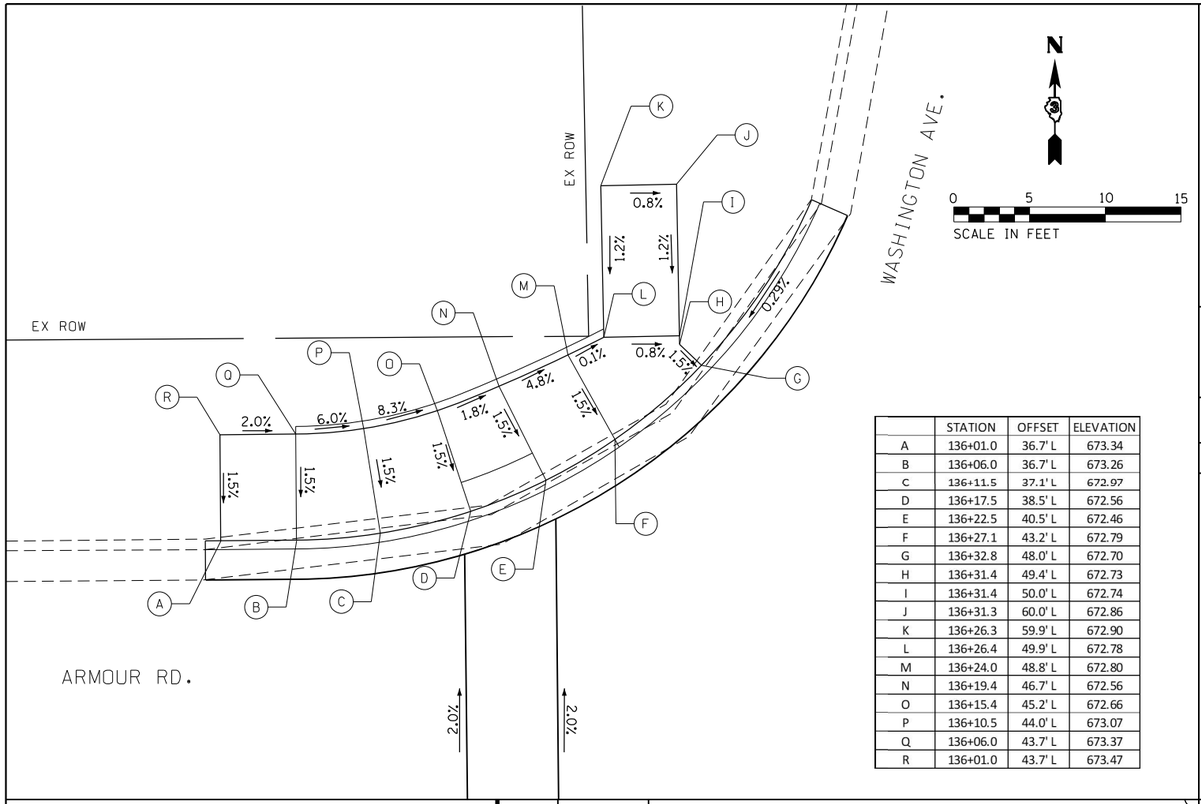
USER NAME=$USER$	DESIGNED - SJA	REVISED -			
	DRAWN - AAB	REVISED -			
PLOT SCALE=$SCALE$	CHECKED - FPE	REVISED -			
PLOT DATE = 12/8/2020	DATE - 12/07/2020	REVISED -			

STATE OF ILLINOIS
DEOARTMENT OF TRANSPORTATION

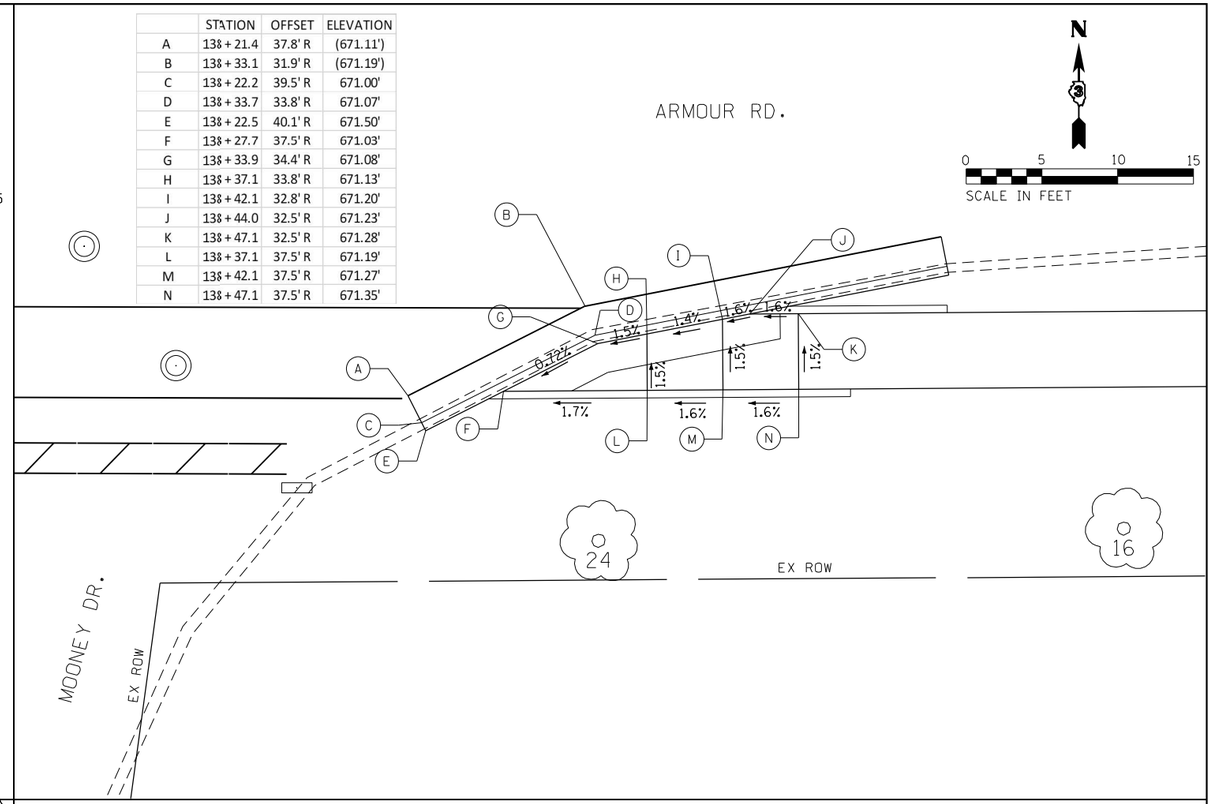
TRAFFIC SIGNAL CABLE PLAN
FAU ROUTE 6176 (ARMOUR ROAD)

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

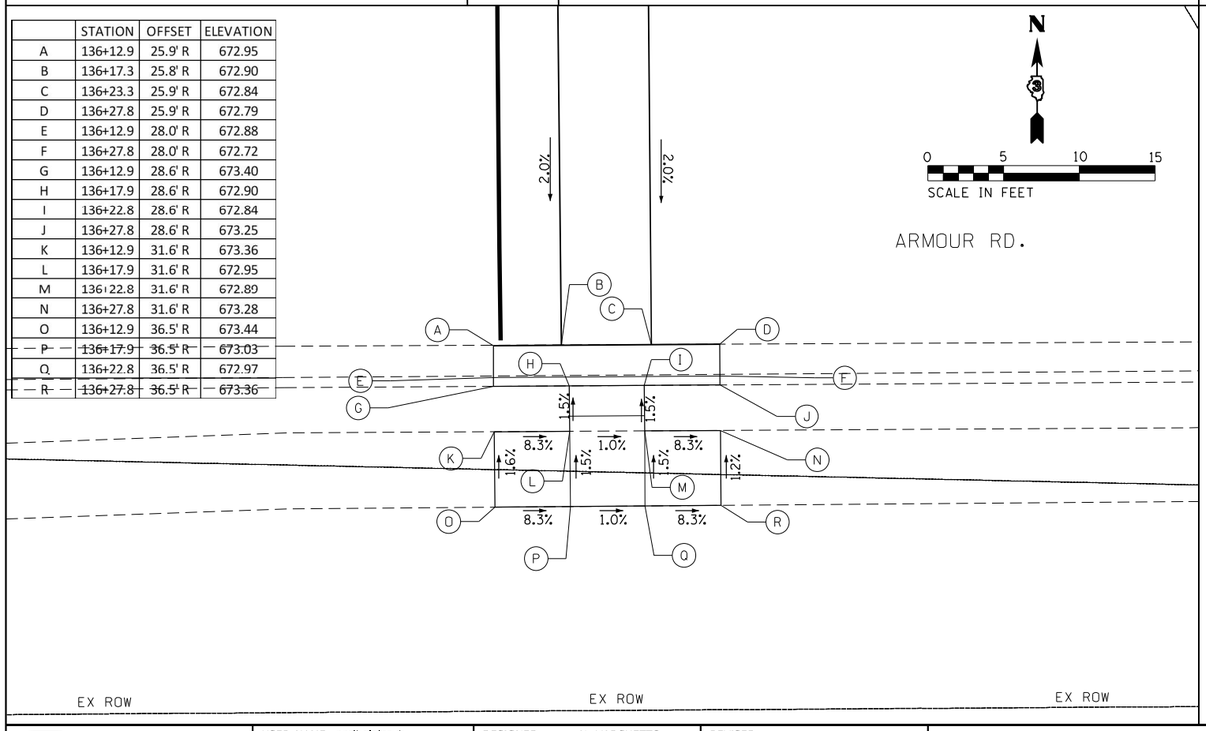
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	54
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	136+01.0	36.7' L	673.34
B	136+06.0	36.7' L	673.26
C	136+11.5	37.1' L	672.97
D	136+17.5	38.5' L	672.56
E	136+22.5	40.5' L	672.46
F	136+27.1	43.2' L	672.79
G	136+32.8	48.0' L	672.70
H	136+31.4	49.4' L	672.73
I	136+31.4	50.0' L	672.74
J	136+31.3	60.0' L	672.86
K	136+26.3	59.9' L	672.90
L	136+26.4	49.9' L	672.78
M	136+24.0	48.8' L	672.80
N	136+19.4	46.7' L	672.56
O	136+15.4	45.2' L	672.66
P	136+10.5	44.0' L	673.07
Q	136+06.0	43.7' L	673.37
R	136+01.0	43.7' L	673.47



	STATION	OFFSET	ELEVATION
A	138+21.4	37.8' R	(671.11')
B	138+33.1	31.9' R	(671.19')
C	138+22.2	39.5' R	671.00'
D	138+33.7	33.8' R	671.07'
E	138+22.5	40.1' R	671.50'
F	138+27.7	37.5' R	671.03'
G	138+33.9	34.4' R	671.08'
H	138+37.1	33.8' R	671.13'
I	138+42.1	32.8' R	671.20'
J	138+44.0	32.5' R	671.23'
K	138+47.1	32.5' R	671.28'
L	138+37.1	37.5' R	671.19'
M	138+42.1	37.5' R	671.27'
N	138+47.1	37.5' R	671.35'



	STATION	OFFSET	ELEVATION
A	136+12.9	25.9' R	672.95
B	136+17.3	25.8' R	672.90
C	136+23.3	25.9' R	672.84
D	136+27.8	25.9' R	672.79
E	136+12.9	28.0' R	672.88
F	136+27.8	28.0' R	672.72
G	136+12.9	28.6' R	673.40
H	136+17.9	28.6' R	672.90
I	136+22.8	28.6' R	672.84
J	136+27.8	28.6' R	673.25
K	136+12.9	31.6' R	673.36
L	136+17.9	31.6' R	672.95
M	136+22.8	31.6' R	672.89
N	136+27.8	31.6' R	673.28
O	136+12.9	36.5' R	673.44
P	136+17.9	36.5' R	673.03
Q	136+22.8	36.5' R	672.97
R	136+27.8	36.5' R	673.36

NOTES:

1. ALL SIDEWALK ADA RAMPS SHALL CONFORM TO IDOT HIGHWAY STANDARDS 424001; 424016
2. CURB SIDEWALK SHALL BE PAID FOR AS "PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH" PER SQ. FT.

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=10.0000 ft / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/9/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1':5" | SHEET 1 OF 1 SHEETS | STA. | TO STA.

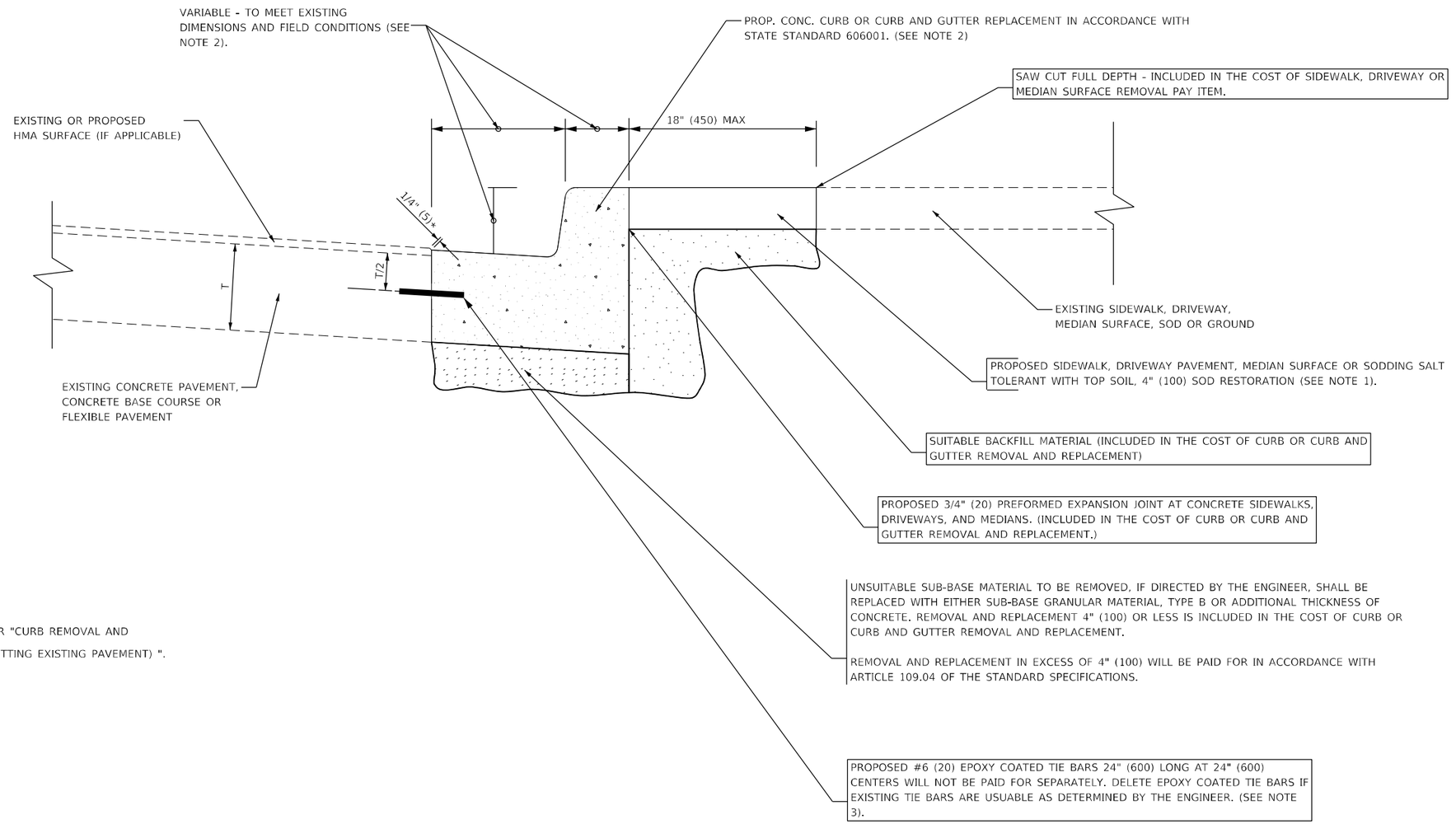
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	55
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

$FILES

NOTE:

1. SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
2. SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
3. FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED.
4. CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
5. FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
6. LONGITUDINAL BARS , IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
7. THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
8. THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

*IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.



BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24 (ABUTTING EXISTING PAVEMENT) ".

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)

ALL DIMENSIONS ARE INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - M. GIRGIS	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=2.0000 ft / in.	CHECKED - N. VARCHETTO	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/18/2020	REVISED -

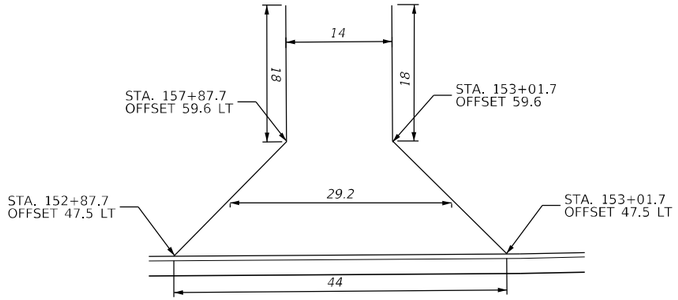
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
(ABUTTING EXISTING PAVEMENT)

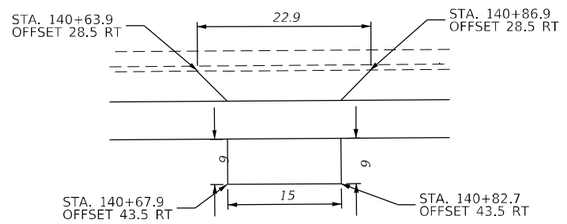
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	56
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

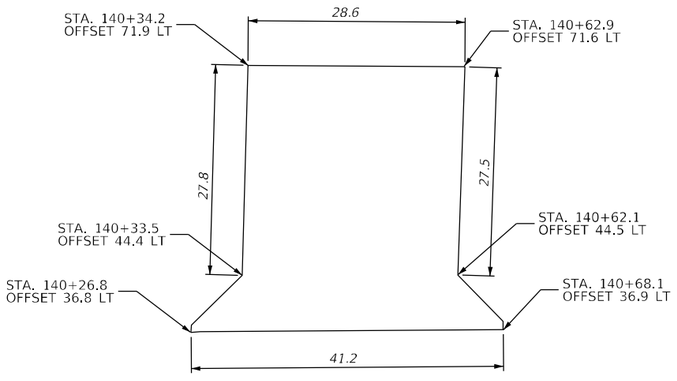
$FILE$



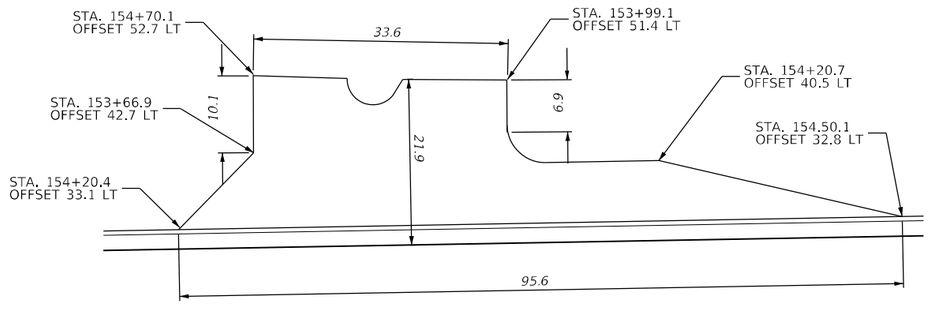
DRIVEWAY #3 CENTERLINE STATION 152+94.7 LT



DRIVEWAY #2 CENTERLINE STATION 140+75.0 RT



DRIVEWAY #1 CENTERLINE STATION 140+50.2 LT



DRIVEWAY #4 CENTERLINE STATION 153+73.6 LT

DRIVEWAY PAVEMENT DETAIL

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=2.0000 ft / in.	CHECKED - P. KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

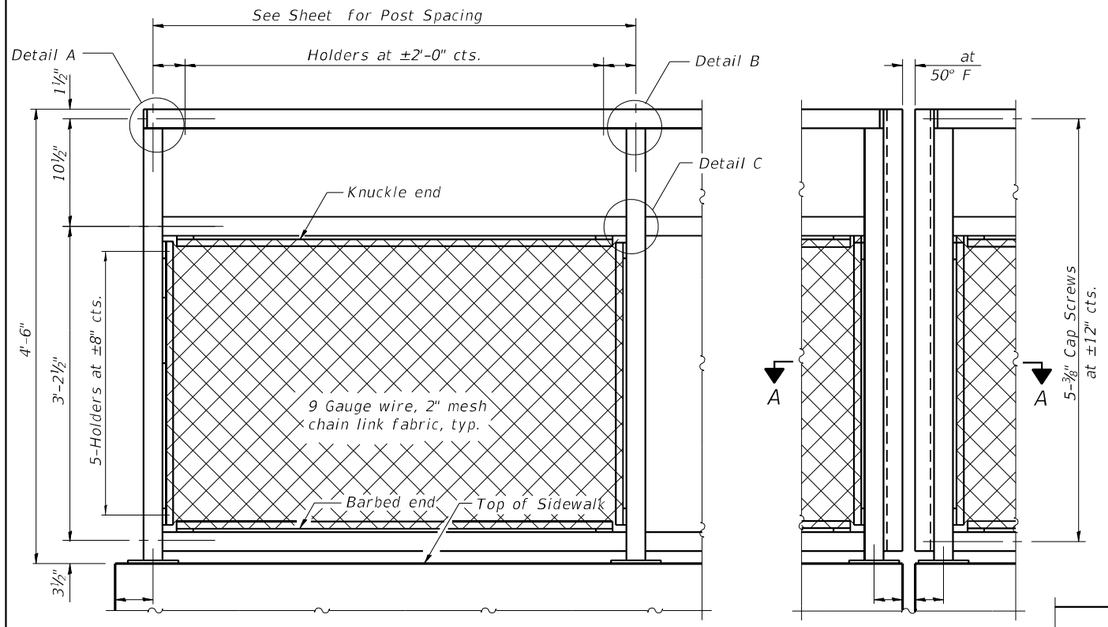
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY PAVEMENT DETAIL

SCALE: 1:10 | SHEET 1 OF 1 SHEETS | STA. | TO STA.

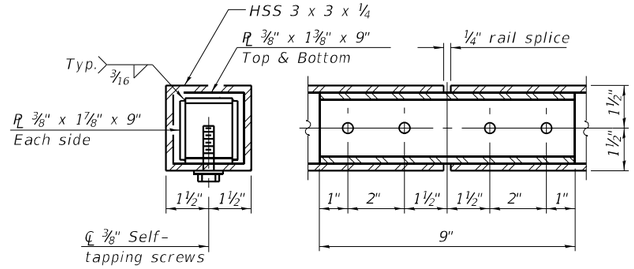
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	57
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

SFILES

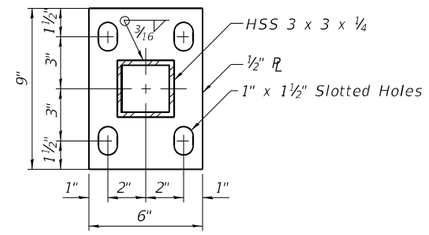


BICYCLE RAILING

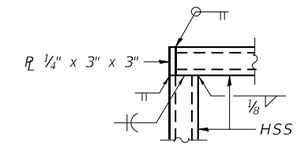
BICYCLE RAILING



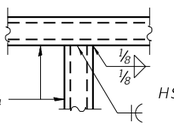
RAIL SPLICE



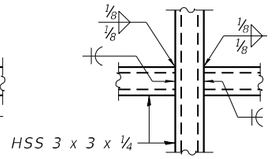
BASE PL



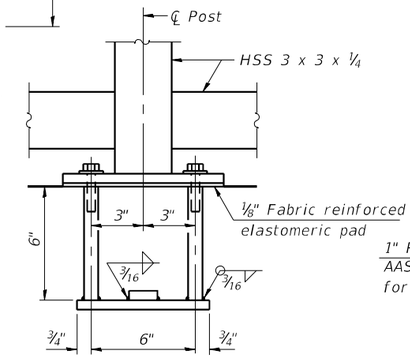
DETAIL A

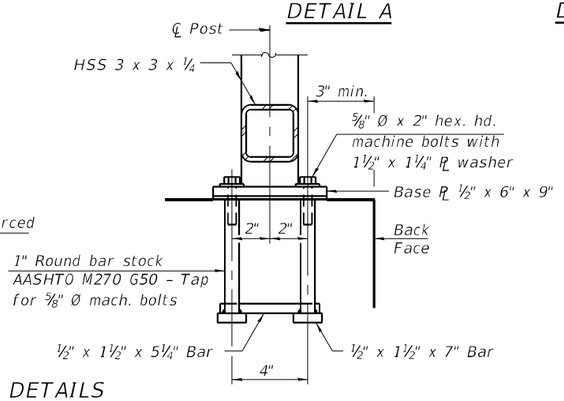


DETAIL B



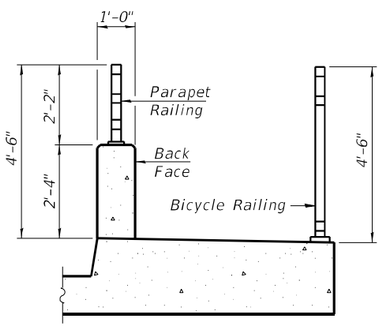
DETAIL C



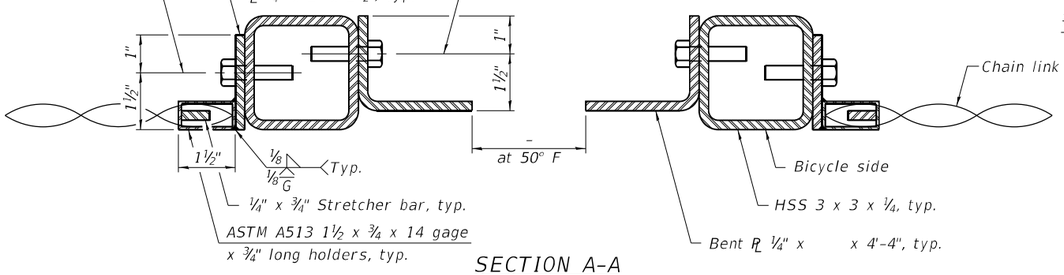


ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



SECTION THRU SIDEWALK



SECTION A-A

Notes:
All steel rail elements shall be galvanized according to Article 509.05 of the standard specifications.
All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.
CVN testing may be omitted for the Bicycle Railing.

(10'-0" Maximum Post Spacing)

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	1,192

ENGINEERING RESOURCE ASSOCIATES	USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=2.0000 ft / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

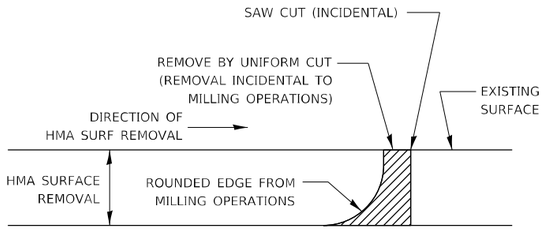
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING
STRUCTURE NO.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	58
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

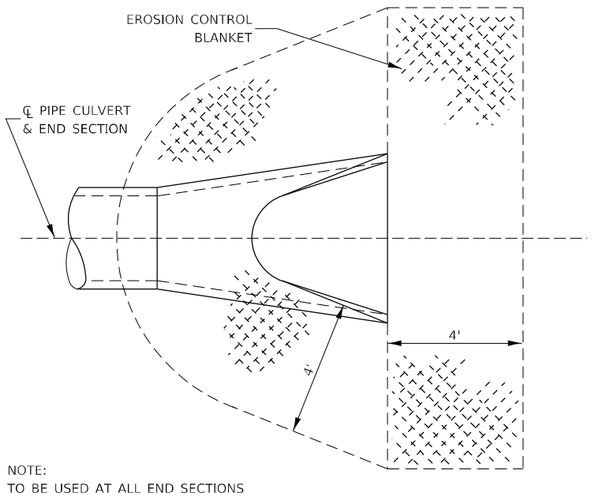
&FILES



NOTE:

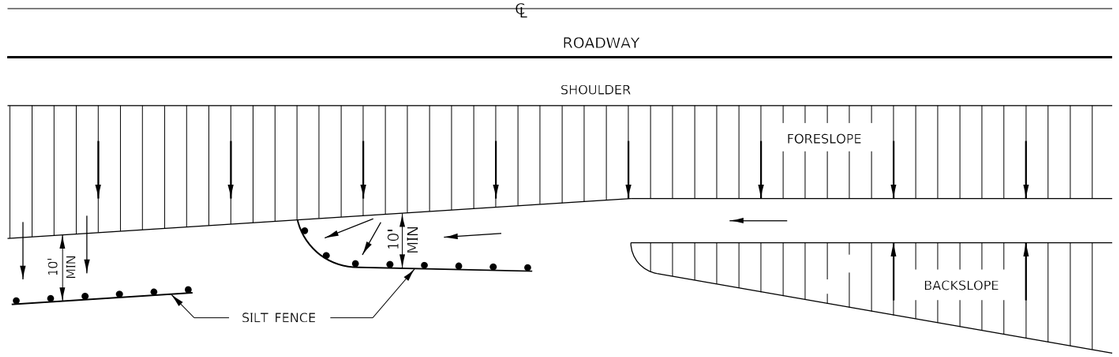
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

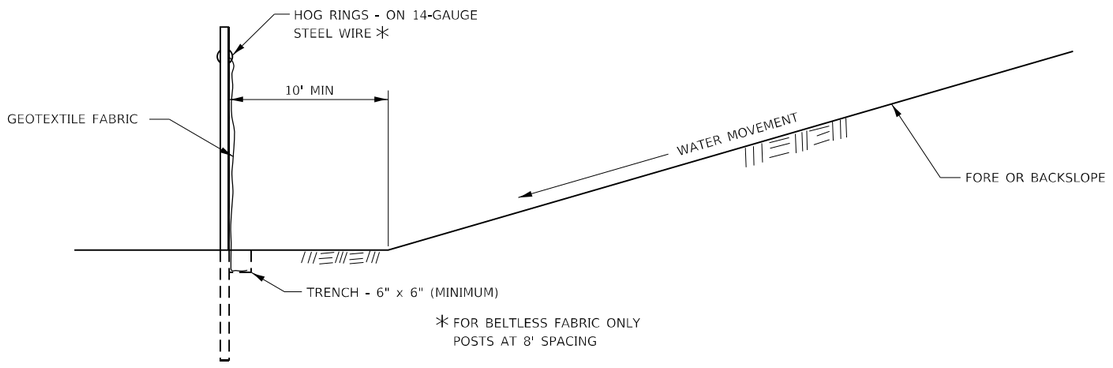
HMA DETAIL AT BUTT JOINTS



NOTE:
TO BE USED AT ALL END SECTIONS

DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION





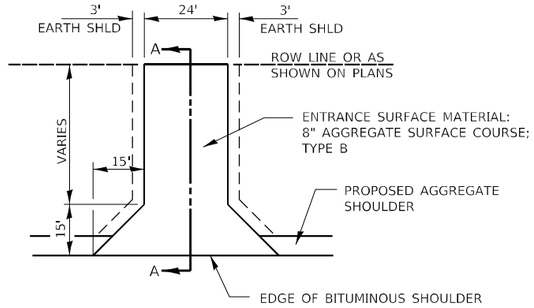
DETAILS OF SILT FENCE

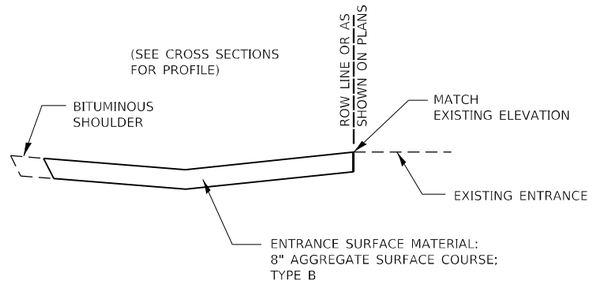
EROSION CONTROL DETAILS FOR SILT FENCE

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	D3 STANDARD DETAILS
		DRAWN - M. GIRGIS	REVISED -		
	PLOT SCALE=100.0002 ft / in.	CHECKED - P. KEEFE	REVISED -		SCALE: / SHEET OF SHEETS / STA. / TO STA.
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -		

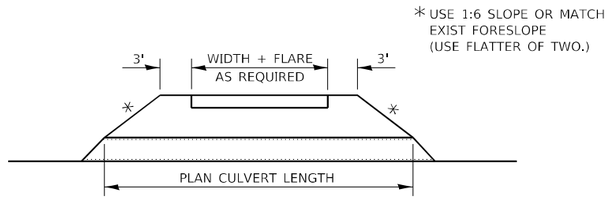
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	59
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

SFILES

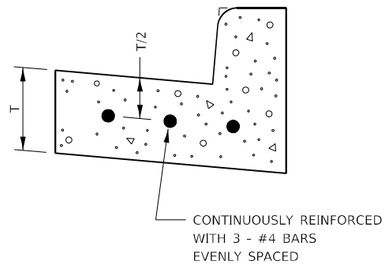




SECTION A-A

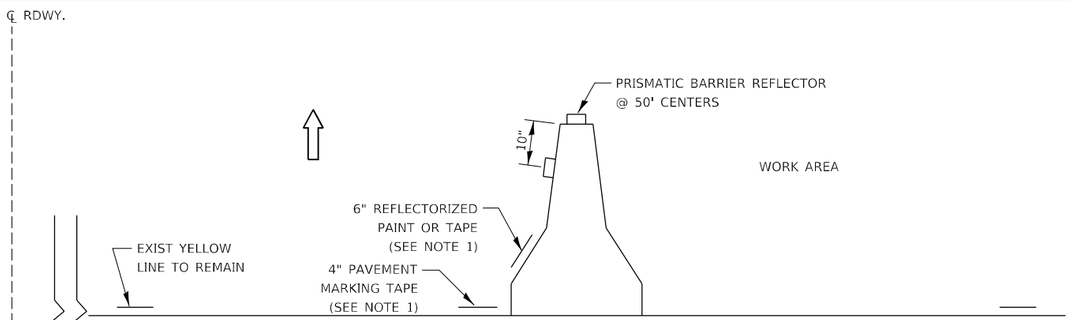


FIELD ENTRANCE DETAIL



REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

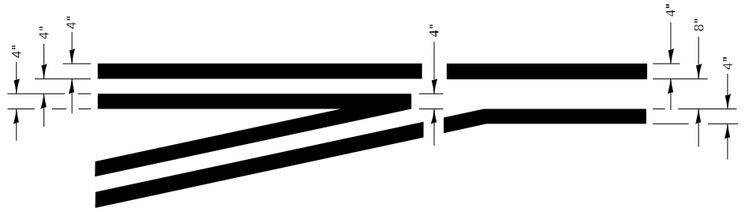
REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24



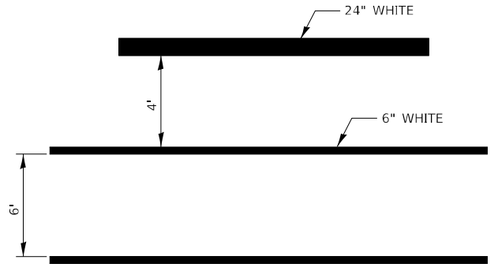
NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

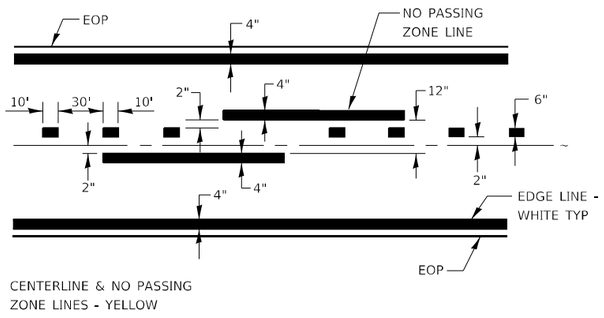
TRAFFIC CONTROL DETAIL FOR TEMPORARY CONCRETE BARRIER



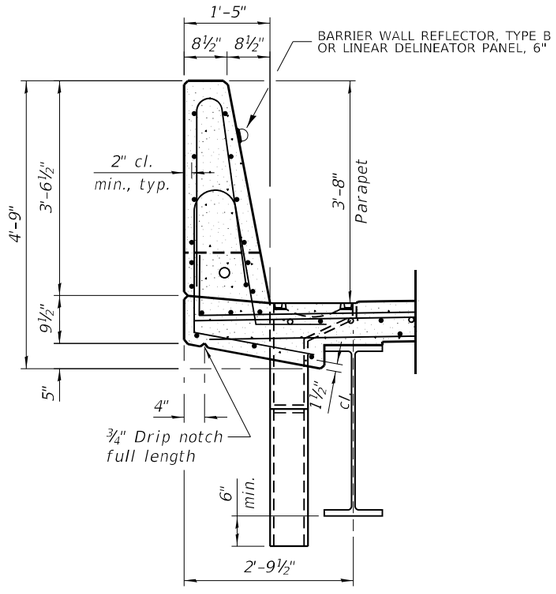
LEFT TURN LANE TYPICAL APPLICATION



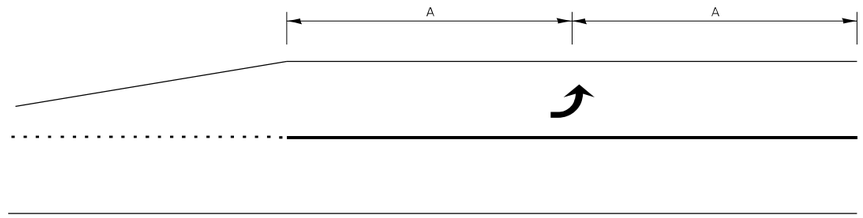
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS



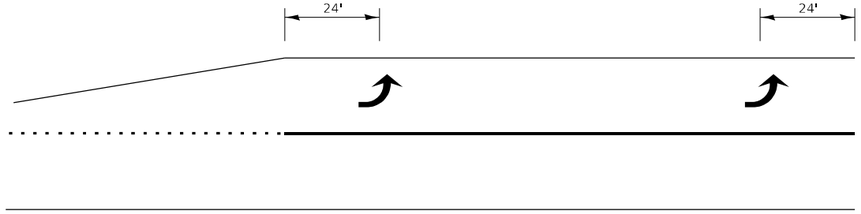
PAVEMENT MARKING



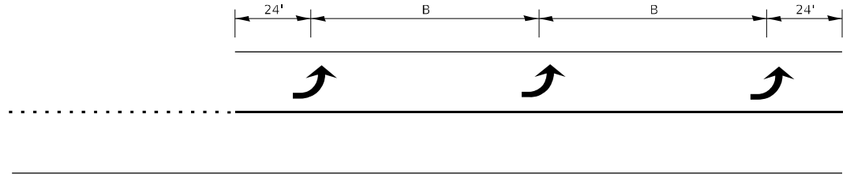
BARRIER WALL MARKER



99' AND UNDER

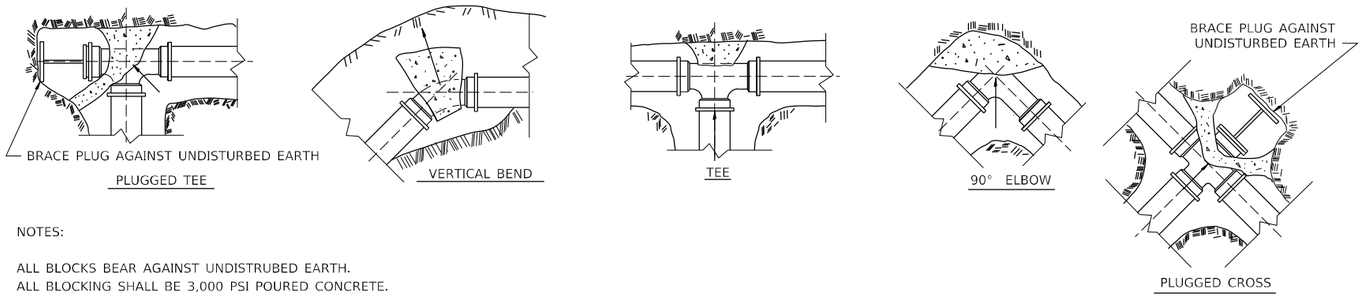


100' TO 149'



150' AND LONGER

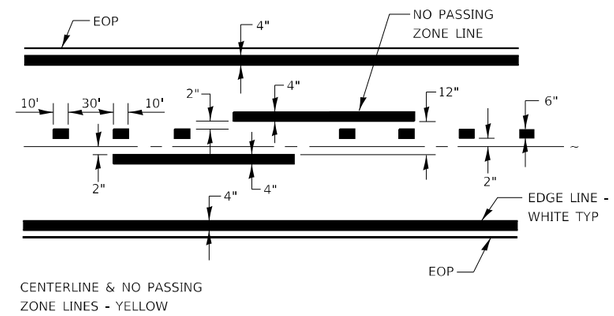
TYPICAL PLACEMENT OF ARROWS IN TURN LANES



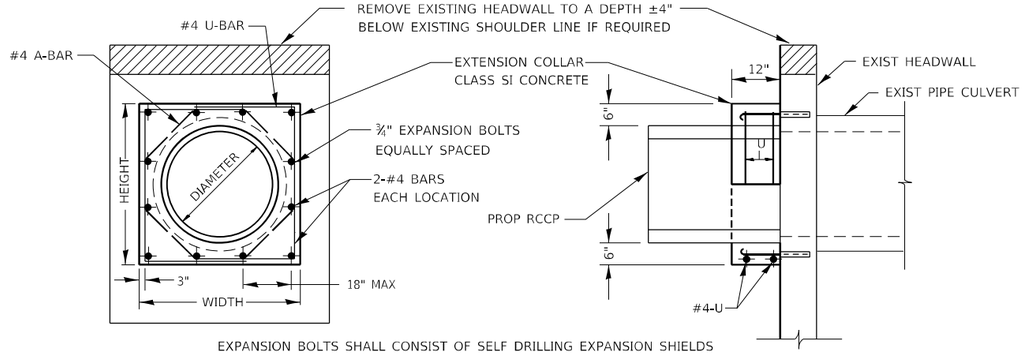
NOTES:

ALL BLOCKS BEAR AGAINST UNDISTRUBED EARTH.
ALL BLOCKING SHALL BE 3,000 PSI POURED CONCRETE.
ARROWS INDICATE DIRECTION OF THRUST.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICLE BEND.

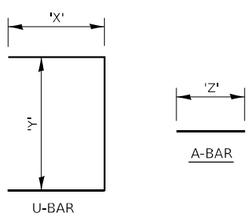
TYPICAL THRUST BLOCK INSTALLATIONS



PAVEMENT MARKING



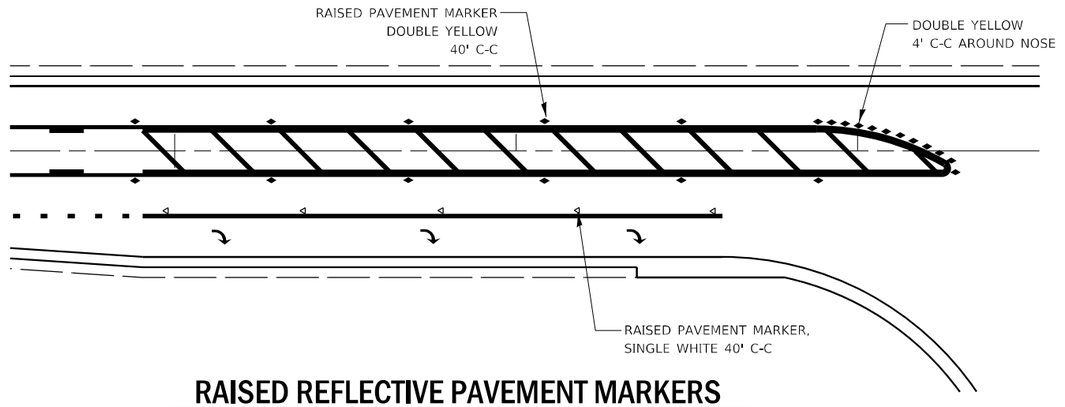
EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND ¾" DIA HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.
MINIMUM CERTIFIED PROOF LOAD = 4,080 LBS



QUANTITIES ARE FOR ONE SIDE ONLY

LOCATION	EXISTING CULVERT SIZE	PIPE DIMENSION	PIPE AREA	EXTENSION COLLAR		A-BAR	U-BAR		CLASS SI CONC COLLAR	REINFORCEMENT BARS	¾" DIA EXPANSION BOLTS
				WIDTH	HEIGHT	'Z'	'X'	'Y'			
STATION	DIA IN	DIA IN	SQ FT	IN	IN	IN	IN	IN	CU YD	POUND	EACH
150+50.9	21	21	2.41	38.5	38.5	9	32.5	32.5	0.3	110	9

COLLAR DETAIL (R.C.C.P. EXTENSION OF PIPE CULVERT)



RAISED REFLECTIVE PAVEMENT MARKERS @ RIGHT TURN LANE

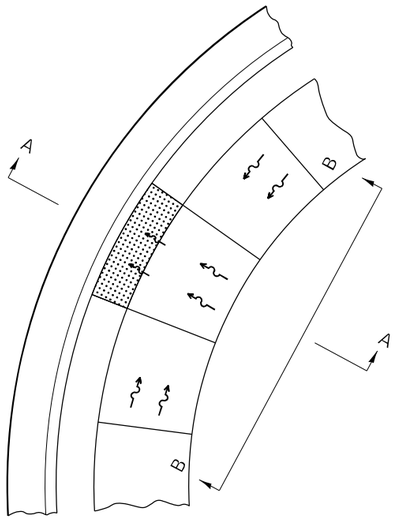
ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - M. GIRGIS	REVISED -	
	PLOT SCALE=100.0002 ft / in.	CHECKED - P. KEEFE	REVISED -	
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

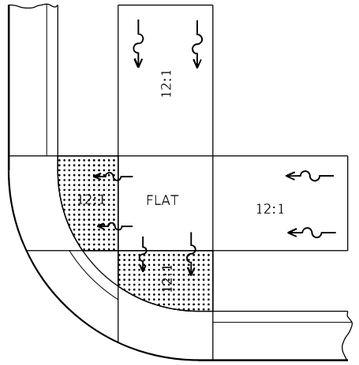
D3 STANDARD DETAILS

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

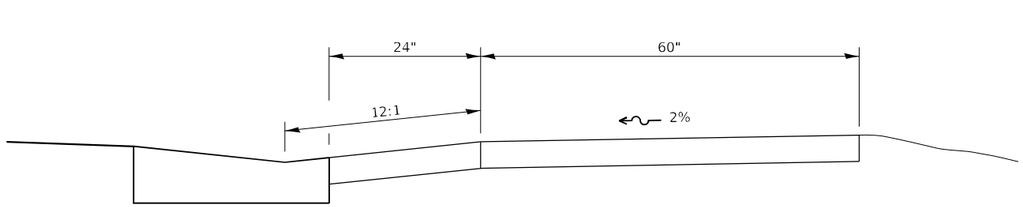
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	62
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

SFILES

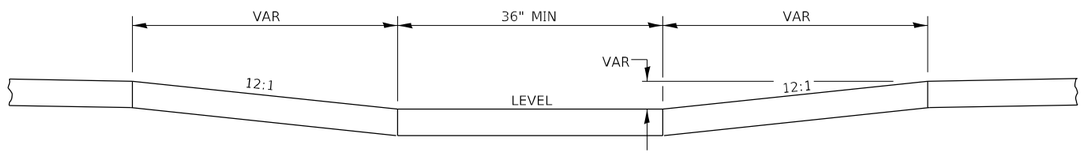




SEE STANDARD 424001 FOR SIDE FLARE DETAIL & SEE PLANS FOR RAMP TYPE.

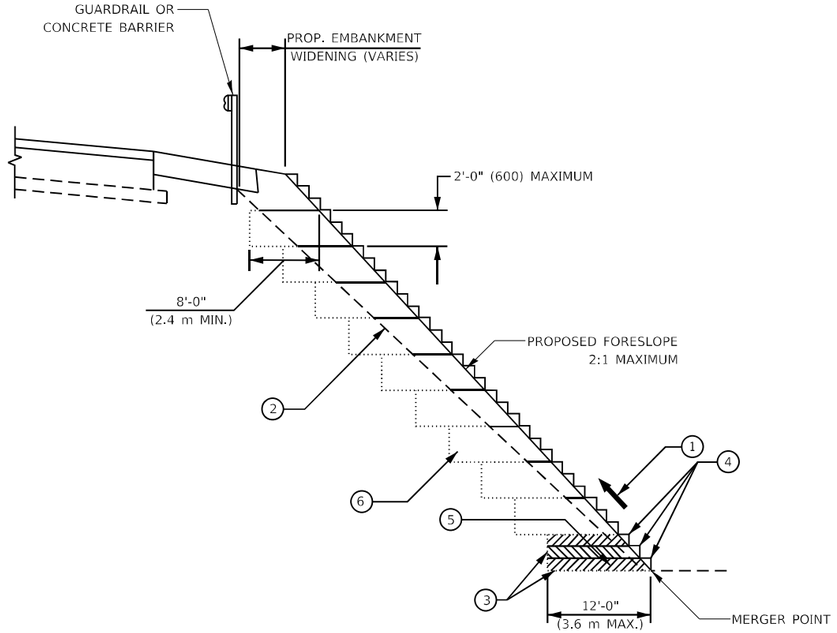


SECTION A-A



SECTION B-B

ADA SIDEWALK ACCESSIBILITY RAMP DETAIL



TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

1. CONSTRUCTION SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

NOTES:

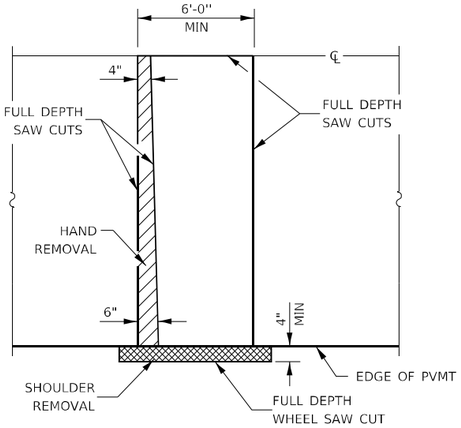
THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001.

THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2%.

THE MAXIMUM ALLOWABLE SIDEWALK GRADE IS 8%.

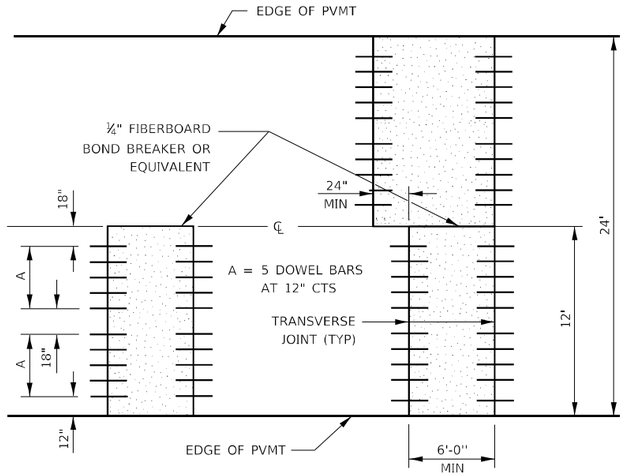
IF SPACE LIMITATIONS PROHIBIT THE USE OF THE 12:1 SLOPE, THEN SLOPES BETWEEN 10:1 AND 12:1 ARE PERMITTED FOR A MAXIMUM RISE OF 6". SLOPES 8:1 AND 10:1 ARE ALLOWED FOR A MAXIMUM RISE OF 3". SLOPES STEEPER THAN 8:1 ARE NOT PERMITTED.

THE DEPRESSED CURB IS NOT STANDARD. THE RISE IS ½" INSTEAD OF 1½".

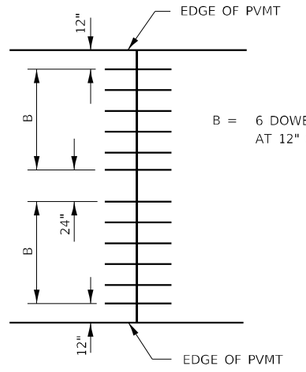


PAVEMENT SAWING DETAIL

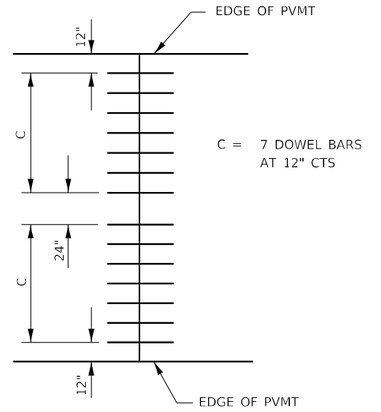
(HMA SHOULDER)



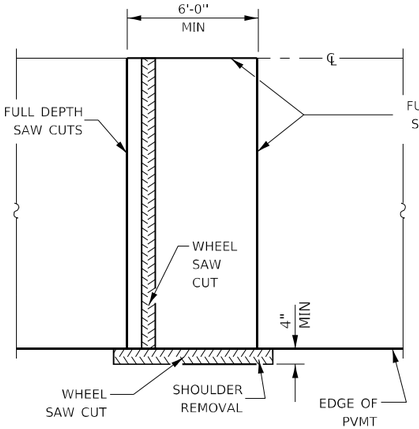
12' WIDE LANES

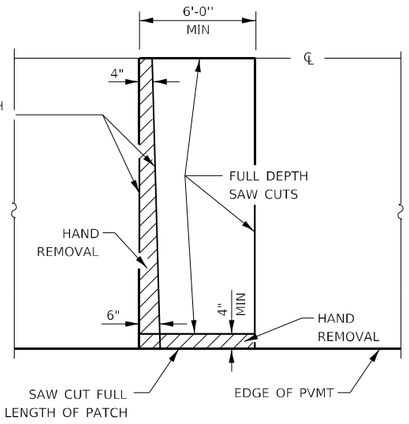


14' WIDE RAMP



16' WIDE RAMP



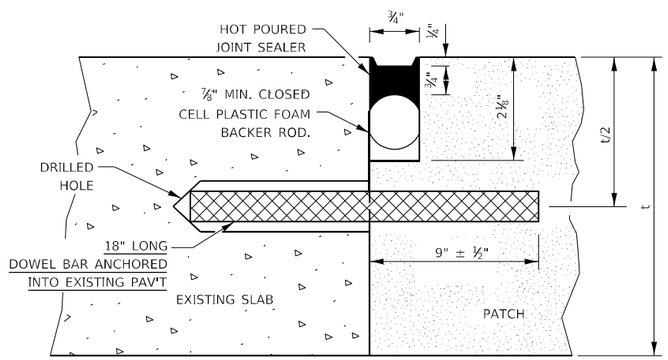


ALTERNATE SAWING DETAIL

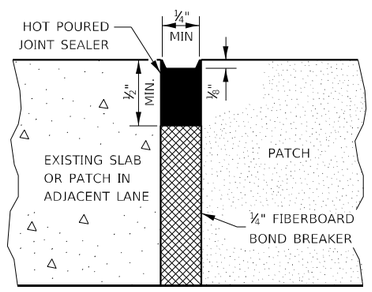
(HMA SHOULDER)

PAVEMENT SAWING DETAIL

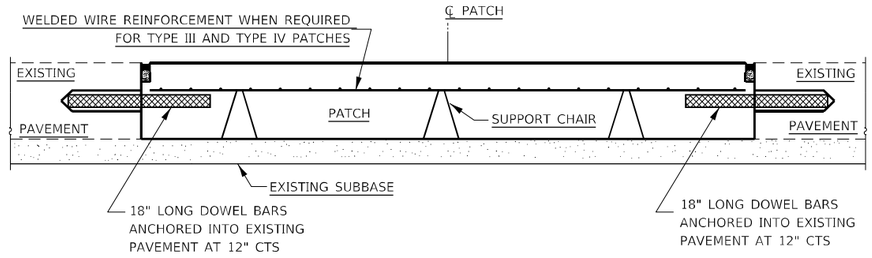
(PCC SHOULDER)



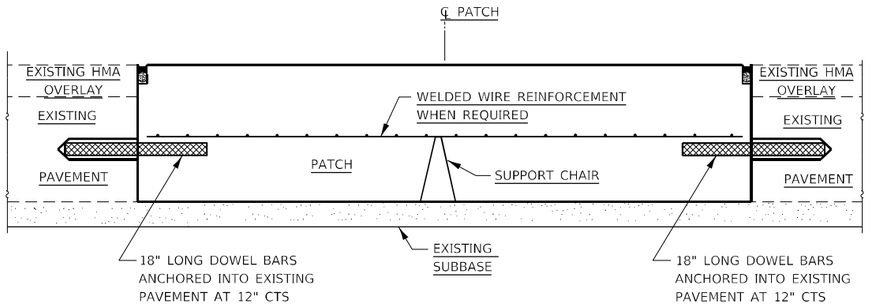
TRANSVERSE JOINT



CENTERLINE JOINT



PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1½"	1⅝"
7" THRU 7.99"	1¼"	1⅜"
LESS THAN 7"	1"	1⅛"

GENERAL NOTES

THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.

SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.

ENGINEERING RESOURCE ASSOCIATES

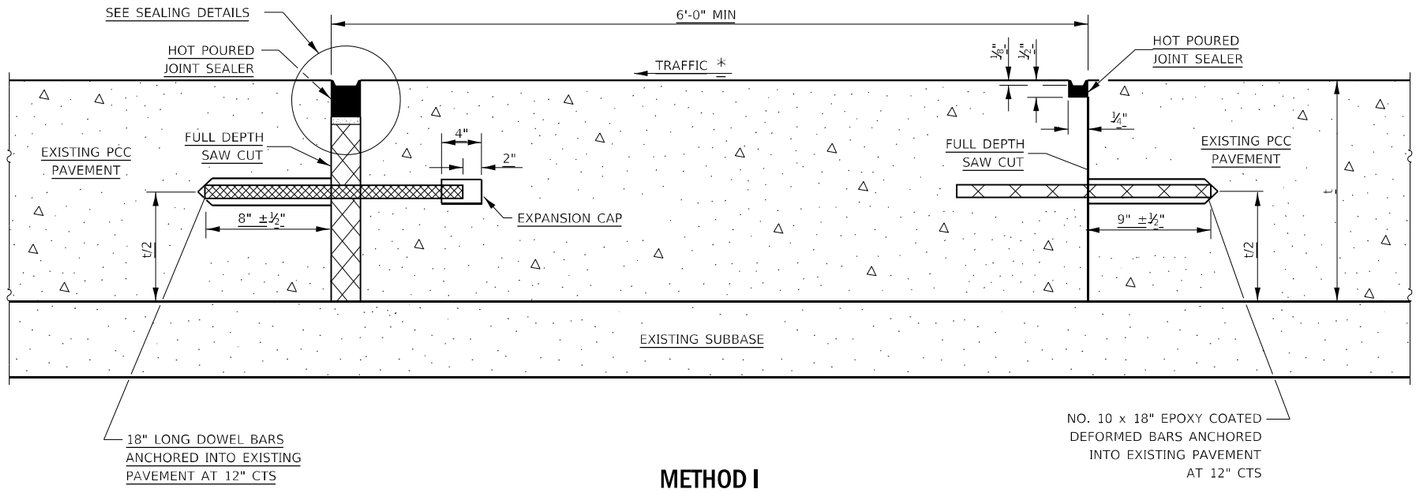
USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=100.0002 ft / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D3 STANDARD DETAILS

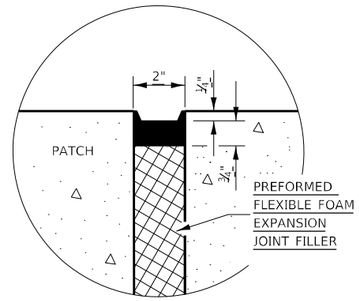
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	64
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

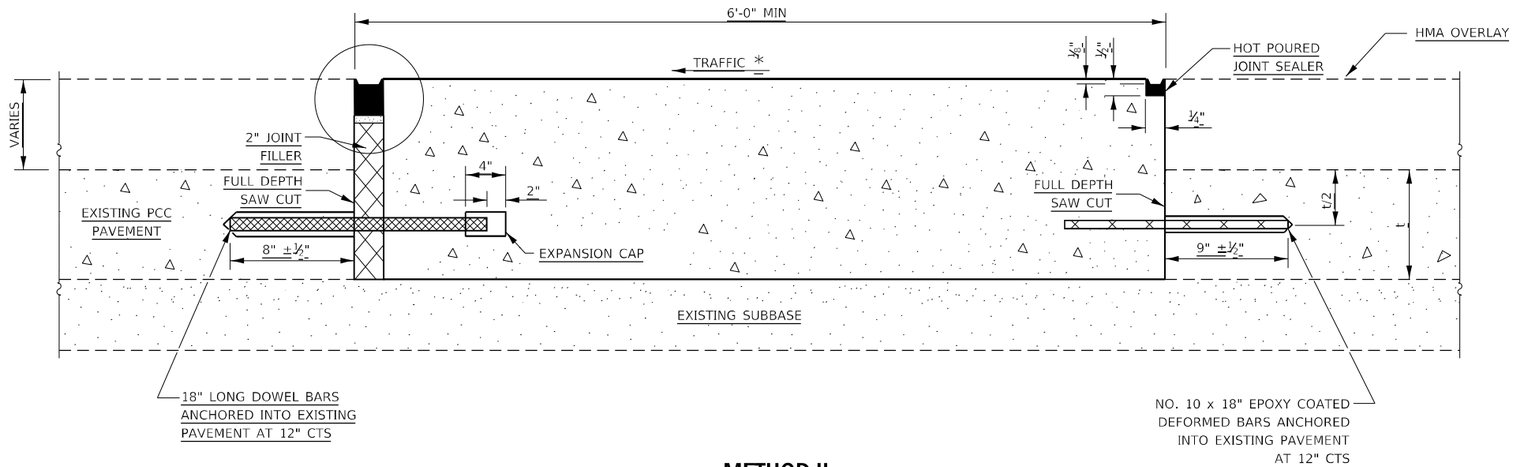


METHOD I

(WITHOUT HMA OVERLAY)

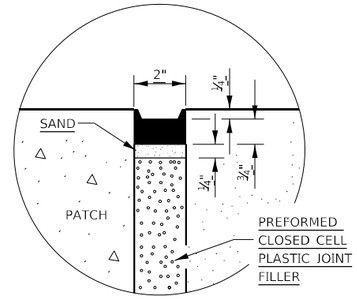


SEALING DETAIL



METHOD II

(WITH HMA OVERLAY)



SEALING DETAIL

NOTE

* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=100.0002 ft / in.	CHECKED - P. KEEFE	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

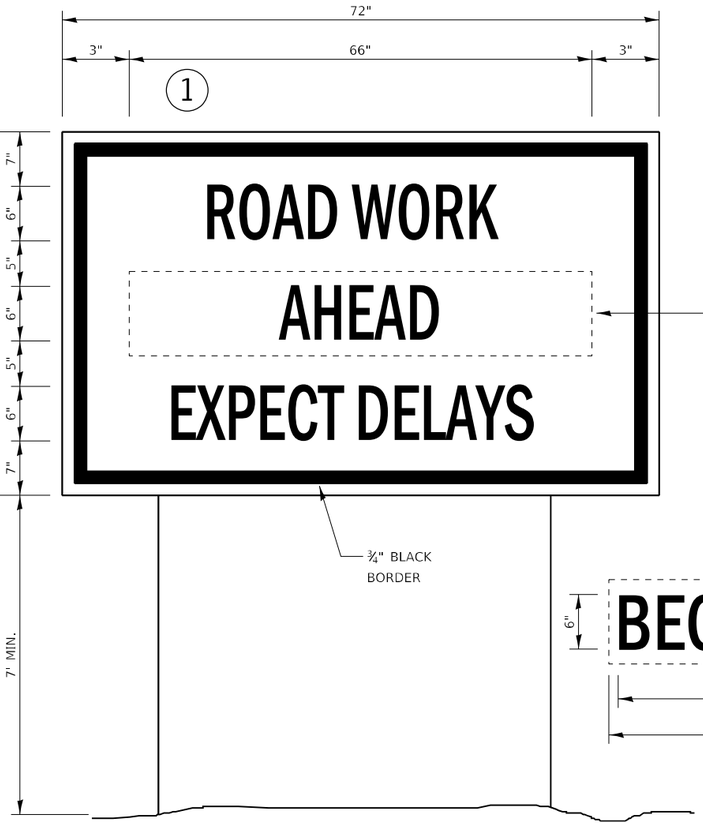
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

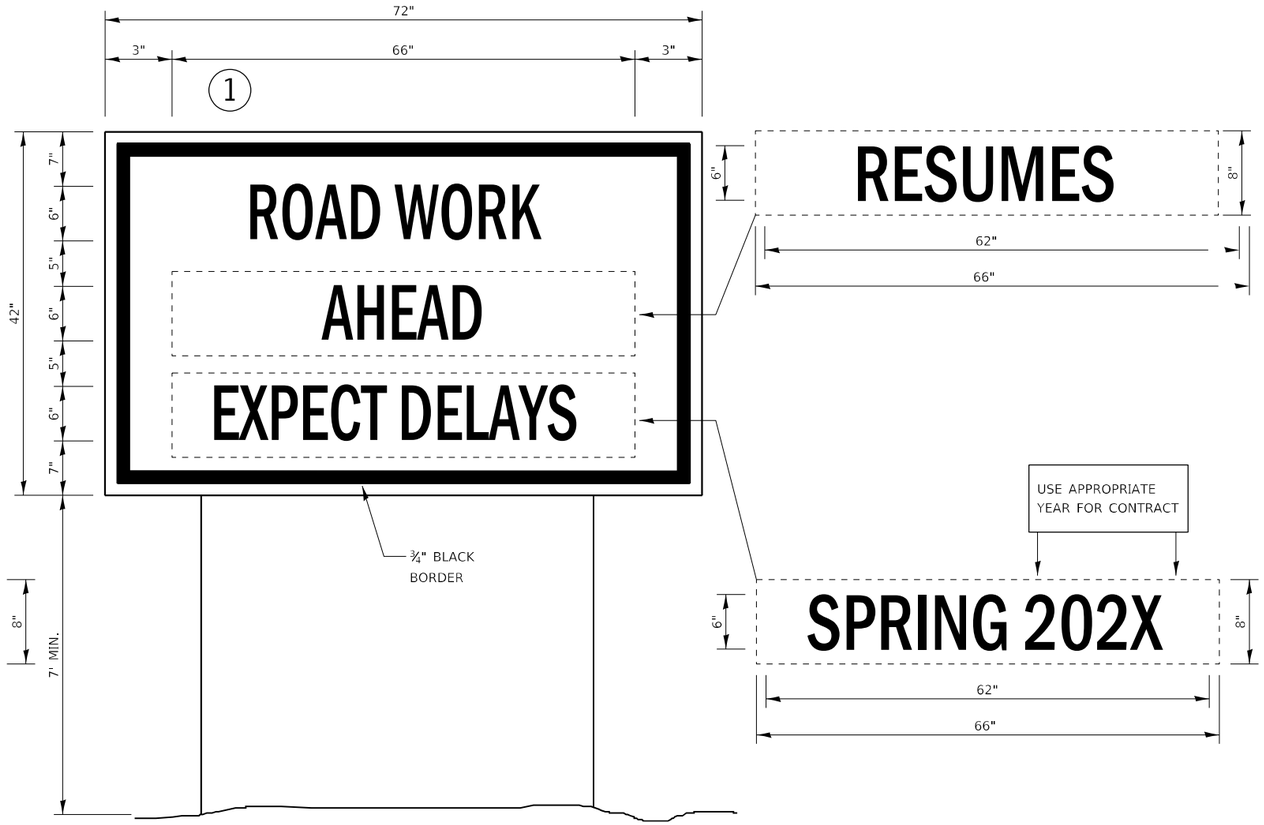
D3 STANDARD DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	65
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

SFILES

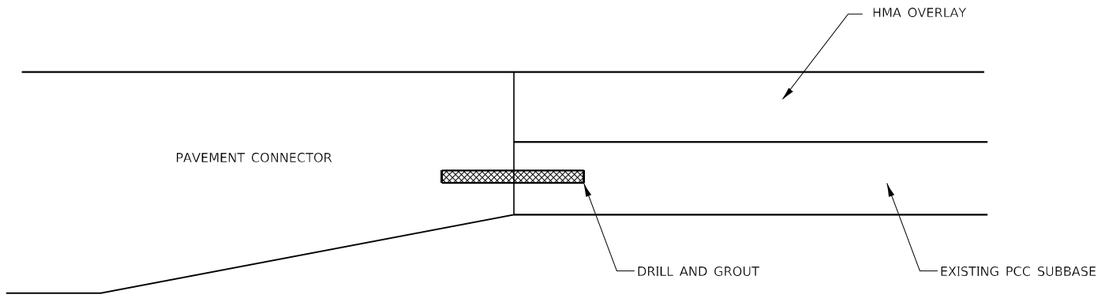




TEMPORARY INFORMATION SIGNING

NOTES:

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



NOTE:

AMENDMENT TO IDOT STANDARD 420401-13. REFER TO IDOT STANDARD 420401-13 WITH THESE ADJUSTMENTS.

PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=100.0002 ft / in.	CHECKED - P. KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

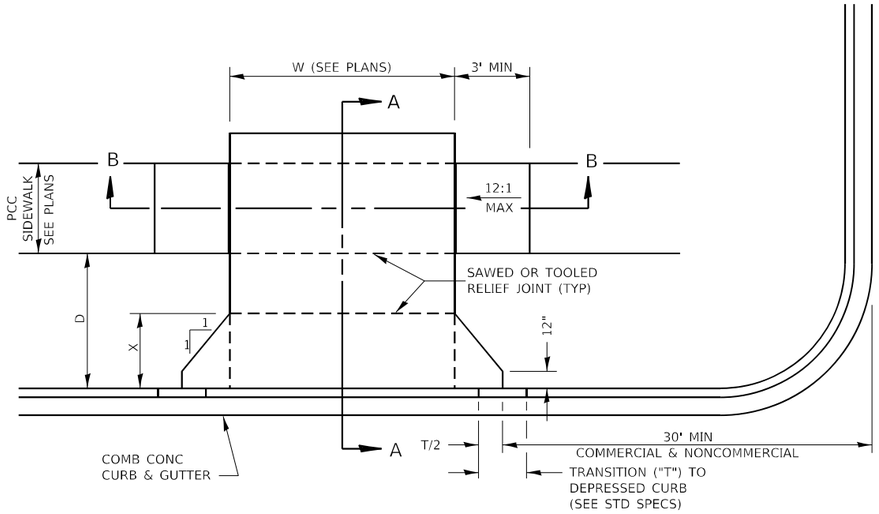
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D3 STANDARD DETAILS

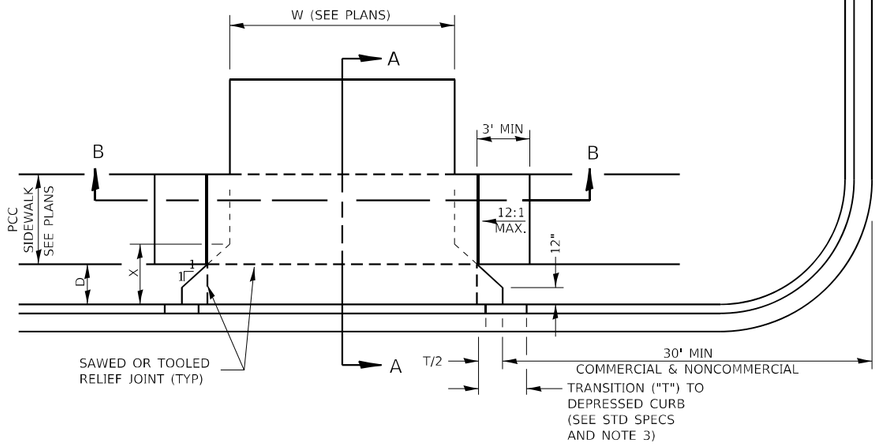
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	66
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

SFILES



CASE I (D ≥ X)



CASE I (D < X)

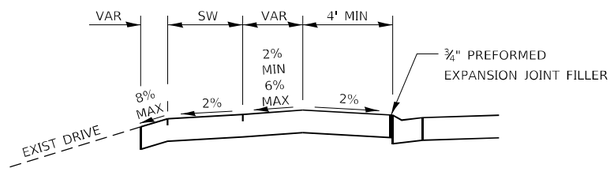
PCC URBAN ENTRANCE

GENERAL NOTES:

1. X = 7' (NON-COMMERCIAL) X = 15' (COMMERCIAL)

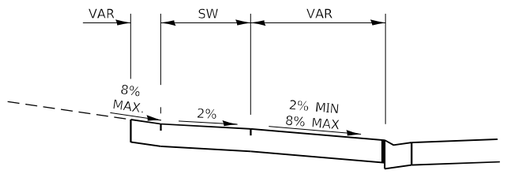
2. COST OF EXPANSION JOINTS AND RELIEF JOINTS SHALL BE INCLUDED IN THE COST OF THE PCC DRIVEWAY PAVEMENT.

3. AS THE DIMENSION "D" APPROACHES ZERO, THE TRANSITION TO DEPRESSED CURB SHALL BE NO STEEPER THAN 12:1

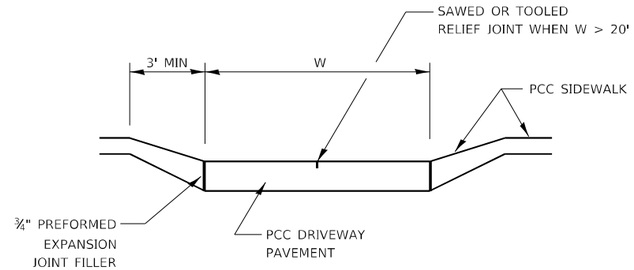


DEPRESSED ENTRANCE *
SECTION A-A

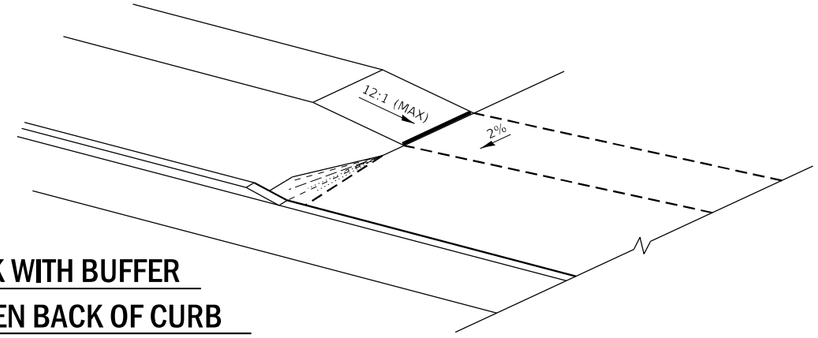
*(SEE X-SECTIONS FOR ENTRANCE PROFILE.)



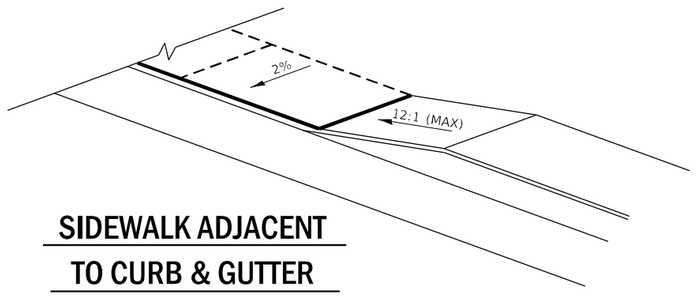
ELEVATED ENTRANCE *
SECTION A-A



SECTION B-B



SIDEWALK WITH BUFFER
AREA BETWEEN BACK OF CURB



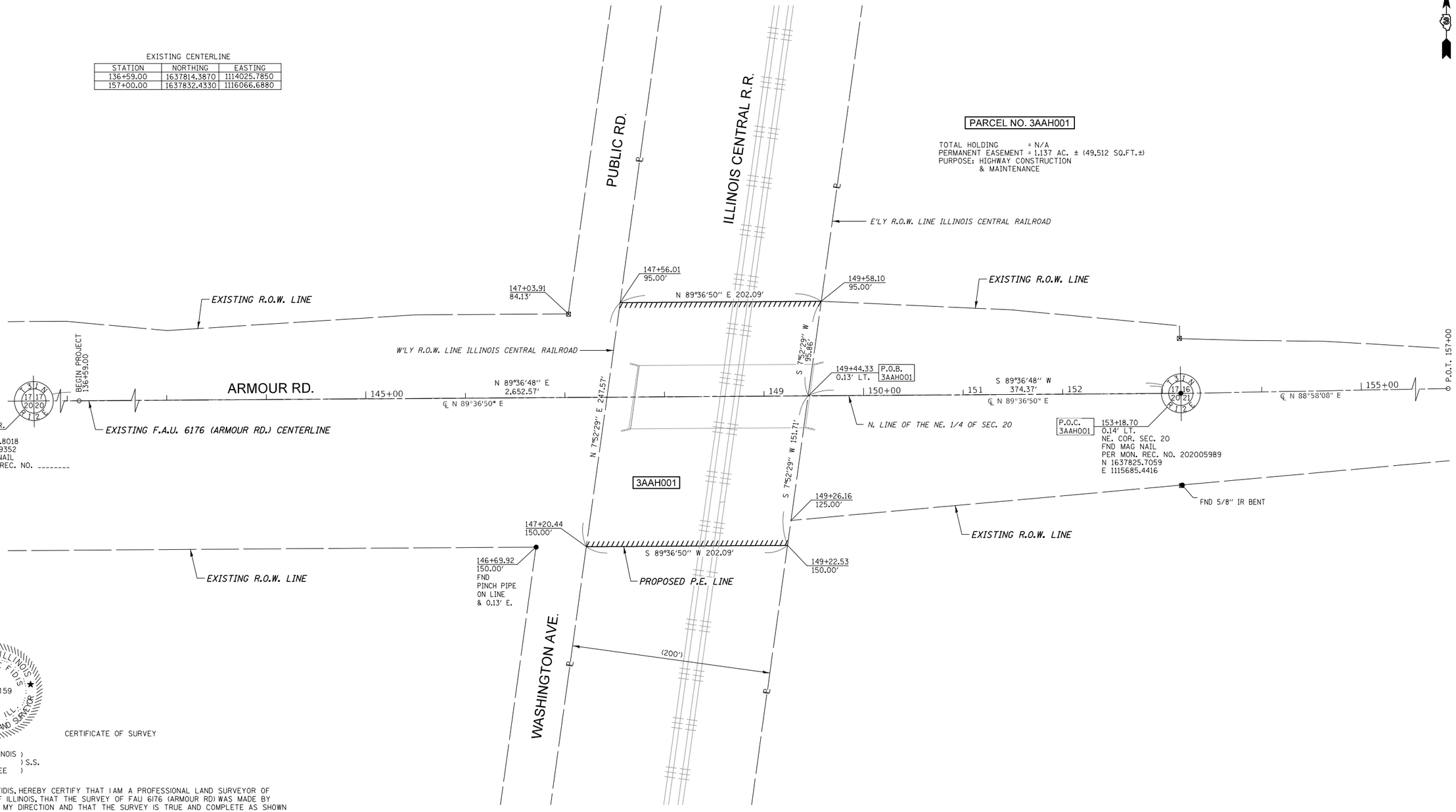
SIDEWALK ADJACENT
TO CURB & GUTTER

RECORDED AS DOCUMENT NO. _____

SE. 1/4 OF SEC. 17, T. 31 N., R. 12 E. OF THE 3RD P.M.

EXISTING CENTERLINE

STATION	NORTHING	EASTING
136+59.00	1637814.3870	1114025.7850
157+00.00	1637832.4330	1116066.6880



STATE OF ILLINOIS COVENTINE FIDIS 35-2159 DIXON, ILL. PROFESSIONAL LAND SURVEYOR

CERTIFICATE OF SURVEY

STATE OF ILLINOIS)
) S.S.
COUNTY OF LEE)

I, COVENTINE FIDIS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF FAU 6176 (ARMOUR RD) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATED THIS 19TH DAY OF JUNE, 2020

COVENTINE FIDIS - ILLINOIS PROFESSIONAL
LAND SURVEYOR NUMBER 35-2159
MY LICENSE EXPIRES 11/30/20

ASE JOB NO. 120020.1

NE. 1/4 OF SEC. 20, T. 31 N., R. 12 E. OF THE 3RD P.M.

AMERICAN
SURVEYING & ENGINEERING, P.C.
841 N. Galena Ave. Dixon, IL 61021
815-288-6231
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192

NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.) ALL AREAS BASED ON GROUND DISTANCES GRID TO GROUND COMBINED FACTOR = 1.00003281Z

0 50' 100'
SCALE 1" = 50'

FILE NAME = D366F11-sht-row plan02.dgn	USER NAME = *USER*	DESIGNED - GB	REVISED -
		DRAWN - CH	REVISED -
FIELD WORK COMPLETED ON 6/8/2020	PLOT SCALE = 50.0000 ' / in.	CHECKED - CF	REVISED -
	PLOT DATE = 7/24/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

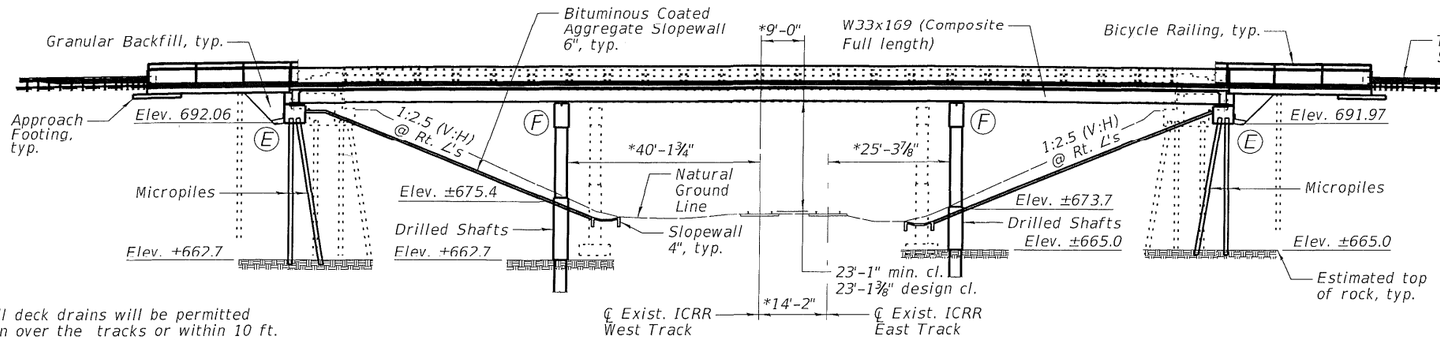
SCALE: 1"=50' | PROJECT | JOB NO. R-93-009-19
SHEET 2 OF 2 SHEETS | STA. 142+00 TO STA. 155+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	68
ARMOUR RD.		CONTRACT NO.		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

Benchmarks: #1, Chiseled " □ " in SW wingwall at Southwest corner of SN 046-0063. Elevation = 701.18, Sta. 147+56.70, 34.19' RT.
#5, Railroad spike in face of utility pole. Elevation = 675.27, Sta. 145+39.41, 148.57' RT.

Existing Structure: Structure No. 046-0063 was originally constructed in 1962 as Section 79R-VB and 79R-VF. In 2001, the bridge was rehabilitated with replacement of the abutment bearings, and reconstruction of the abutment back walls and approach slabs. In 2009, a Type 2399 steel railing was installed in front of the original barriers. The superstructure consists of three-span continuous, non-composite rolled steel beams with a 7" cast-in-place concrete deck. A 1¼" microsilica concrete overlay was added in 2001. The substructure consists of stub abutments supported by steel H-piles, multi-column piers with crash walls supported by spread footings bearing on bedrock. Wood piles are present at the original approach slab bents. The back-to-back of abutments length measures 178'-0" and the out-to-out of deck width measures 64'-0". The span lengths are 52'-9", 68'-9", and 52'-9". The structure is skewed 8°17'00" left forward. One lane of traffic in each direction will be maintained utilizing stage construction.

No salvage.

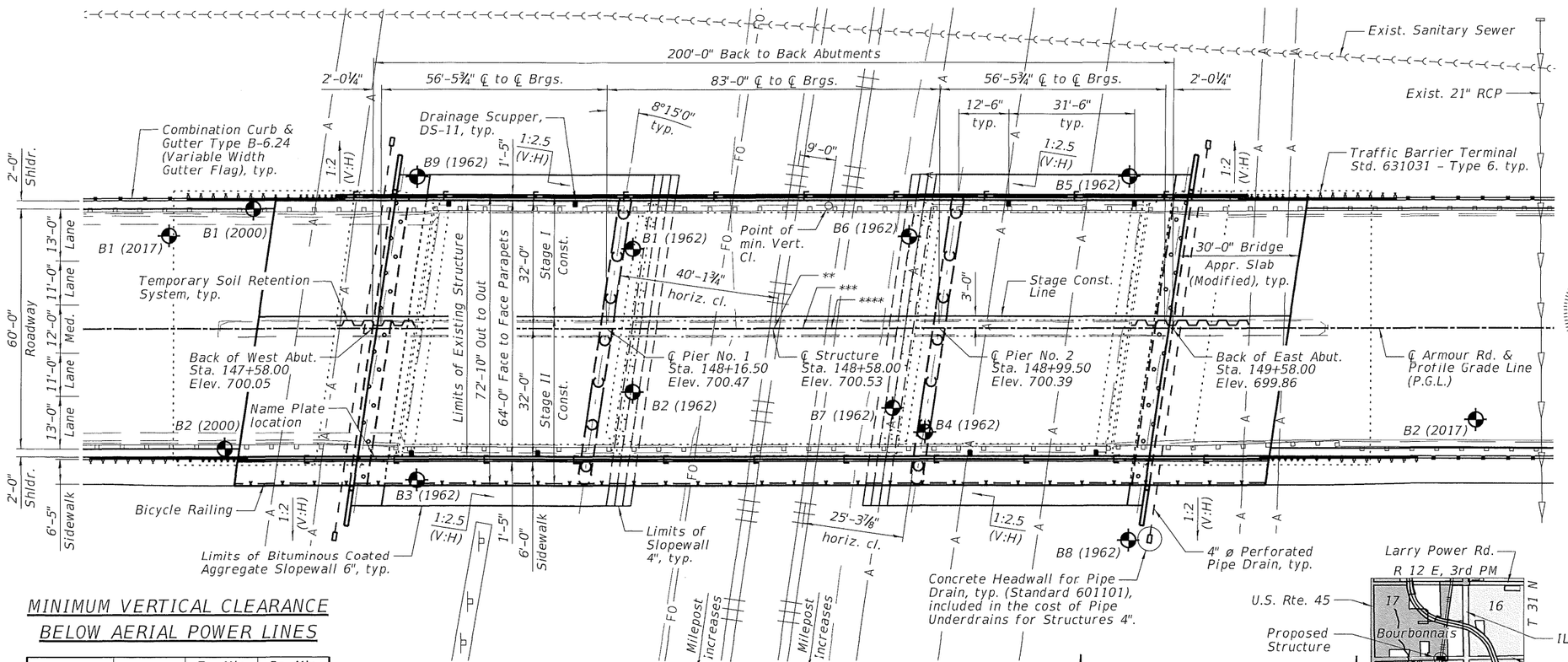


NOTE:

No freefall deck drains will be permitted in the span over the tracks or within 10 ft. of cross arms of a railroad pole line.

ELEVATION

*Dimension @ Rt. ℄'s to Track



PLAN

**Sta. 148+58.33 (Armour Road) = MP 52.850 (℄ Illinois Central West Track)
***Sta. 148+65.47 (Armour Road) = MP 52.850 (℄ Illinois Central Railroad)
****Sta. 148+72.62 (Armour Road) = MP 52.850 (℄ Illinois Central East Track)

N

MINIMUM VERTICAL CLEARANCE BELOW AERIAL POWER LINES

Station	Offset	Ex. Min. Vert. Cl.	Pr. Min. Vert. Cl.
147+44.00	2.06' RT	19.27'	19.14'
149+11.04	2.06' RT	61.60'	61.31'
149+84.39	28.15' RT	18.80'	18.88'

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, Customary U.S. Units, 8th Edition

DESIGN STRESSES

FIELD UNITS:

f'c = 3,500 psi
f'c = 4,000 psi (Superstructure Concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (AASHTO M270 Grade 50W)

LOADING HL-93

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

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.072g
Design Spectral Acceleration at 0.2 sec. (SDs) = 0.125g
Soil Site Class = C

INDEX OF SHEETS

SHEET NO.	TITLE
1	GENERAL PLAN AND ELEVATION
2	GENERAL DATA
3	STAGE CONSTRUCTION DETAILS
4	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
5	TOP OF DECK ELEVATION LOCATIONS
6-9	TOP OF DECK ELEVATIONS
10-11	TOP OF APPROACH SLAB ELEVATIONS
12-14	SUPERSTRUCTURE
15	SUPERSTRUCTURE DETAILS
16	DIAPHRAGM DETAILS
17-18	WEST BRIDGE APPROACH SLAB DETAILS
19-20	EAST BRIDGE APPROACH SLAB DETAILS
21	DRAINAGE SCUPPER, DS-11
22	BICYCLE RAILING
23-24	STRUCTURAL STEEL
25	BEARING DETAILS
26-27	WEST ABUTMENT
28-29	EAST ABUTMENT
30-31	PIER NO. 1
32-33	PIER NO. 2
34	MICROPILE DETAILS
35	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
36	CONCRETE PARAPET SLIPFORMING OPTION
37	ROCK CORE LOGS
38-42	SOIL BORING LOGS

JOSEPH M. LOWRANCE 081-006446 LICENSED STRUCTURAL ENGINEER OF BLOOMINGTON ILLINOIS

Joseph M. Lowrance Date 6-19-20
JOSEPH M. LOWRANCE
ILLINOIS STRUCTURAL ENGINEER
NO. 081-006446
Exp. Date 11/30/20

APPROVED
For Structural Adequacy Only
A. Carl Pungey
Engineer of Bridges & Structures

LOCATION SKETCH

GENERAL PLAN AND ELEVATION
ARMOUR ROAD OVER
ILLINOIS CENTRAL RAILROAD
F.A.U. 6176 - SECTION (79R-VB)R
KANKAKEE COUNTY
STATION 148+58.00
STRUCTURE NO. 046-0155

Farnsworth GROUP
2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

	DESIGNED - IIP/PMG	REVISED
	CHECKED - DAH	REVISED
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	69
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1		1
Protective Shield	Sq. Yd.	517		517
Structure Excavation	Cu. Yd.		230	230
Concrete Structures	Cu. Yd.	44.8	217.9	262.7
Concrete Superstructure	Cu. Yd.	492.0		492.0
Bridge Deck Grooving	Sq. Yd.	1,776		1,776
Protective Coat	Sq. Yd.	2,287		2,287
Concrete Superstructure (Approach Slab)	Cu. Yd.	201.2		201.2
Furnishing and Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	9,468		9,468
Reinforcement Bars	Pound		15,720	15,720
Reinforcement Bars, Epoxy Coated	Pound	173,940	32,600	206,540
Bar Splicers	Each	915	58	973
Bicycle Railing	Foot	258		258
Slope Wall 4 Inch	Sq. Yd.		114	114
Name Plates	Each	1		1
Drilled Shaft in Soil	Cu. Yd.		40.9	40.9
Drilled Shaft in Rock	Cu. Yd.		30.6	30.6
Elastomeric Bearing Assembly, Typ I	Each		24	24
Anchor Bolts, 1"	Each		96	96
Temporary Soil Retention System	Sq. Ft.		390	390
Geocomposite Wall Drain	Sq. Yd.		123	123
Micro-Piles	Each		32	32
Micropile Load Test	Each		2	2
Micropile Proof Load Test	Each		32	32
Thermal Integrity Profile Testing	Each		14	14
Thermal Integrity Profile Data Collection	Foot		325	325
Granular Backfill for Structures	Cu. Yd.		210	210
Drainage Scuppers, DS-11	Each	8		8
Pipe Underdrains for Structures 4"	Foot		250	250
Bituminous Coated Aggregate Slopewall 6"	Sq. Yd.		1,204	1,204

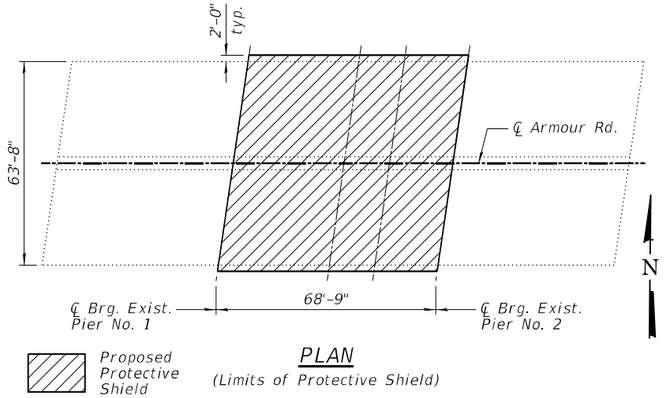
GENERAL NOTES:

1.) Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts in painted or metalized areas and ASTM F3125 Grade A325 Type 3 weathering steel bolts in unpainted areas. Bolts 7/8 in. ø, holes 15/16 in. ø, unless otherwise noted.
2.) Calculated weight of Structural Steel = 471,180 lbs.
3.) All structural steel shall be AASHTO M 270 Grade 50W except bearings, which shall be AASHTO M270 Grade 50.
4.) No field welding is permitted except as specified in the contract documents.
5.) Reinforcement bars designated (E) shall be epoxy coated.
6.) Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
7.) The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
8.) Structural steel shall be painted for a distance equal to the depth of embedment into the concrete diaphragm plus 18 inches. Painted areas shall be primed in the shop with a Department-approved zinc rich primer. Field painting will not be required.
9.) Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
10.) The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
11.) Bridge Deck Grooving shall not be applied on the sidewalk.

STATION 148+58.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.U. RT. 6176 SEC. (79R-VB)R
LOADING HL-93
STRUCTURE NO. 046-0155

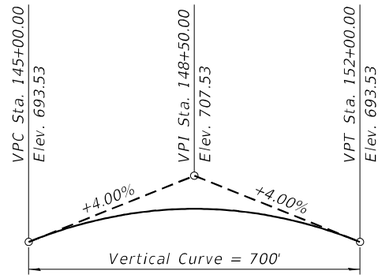
NAME PLATE

See Std. 515001



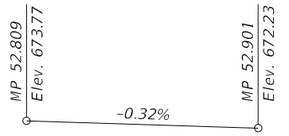
PLAN

(Limits of Protective Shield)



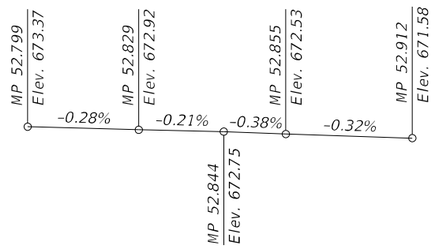
PROFILE GRADE

(Along ℄ Roadway)



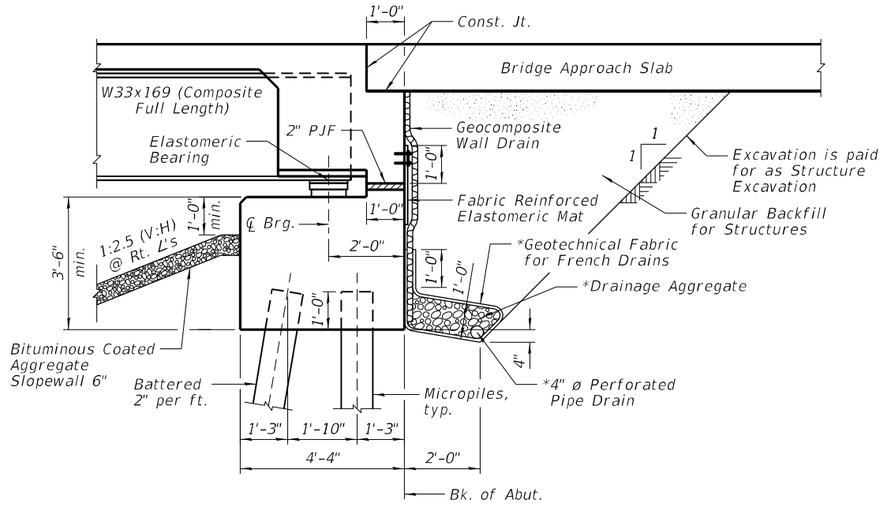
ICRR WEST TRACK PROFILE GRADE

(Top of rail along East rail)



ICRR EAST TRACK PROFILE GRADE

(Top of rail along West rail)

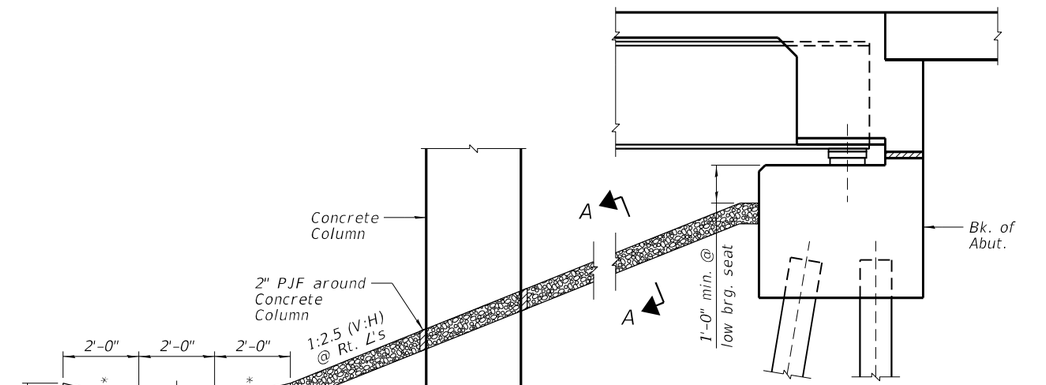


SECTION THRU ABUTMENT

(Horizontal dimensions @ Rt. ℄'s)

NOTES:

1.) *Included in the cost of Pipe Underdrains for Structures (see Special Provisions).
2.) 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).

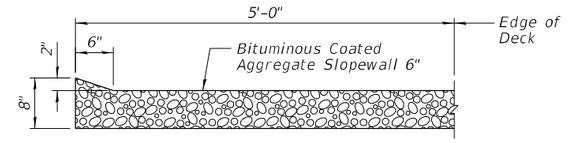


SECTION THRU SLOPEWALL

*1:4 (V:H)
(Horizontal dimensions @ Rt. L's)

NOTE:

Slopewall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.



SECTION A-A

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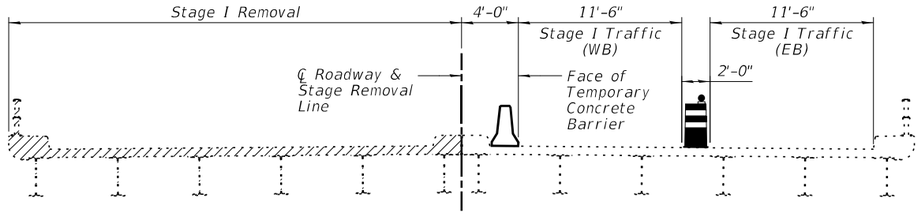
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

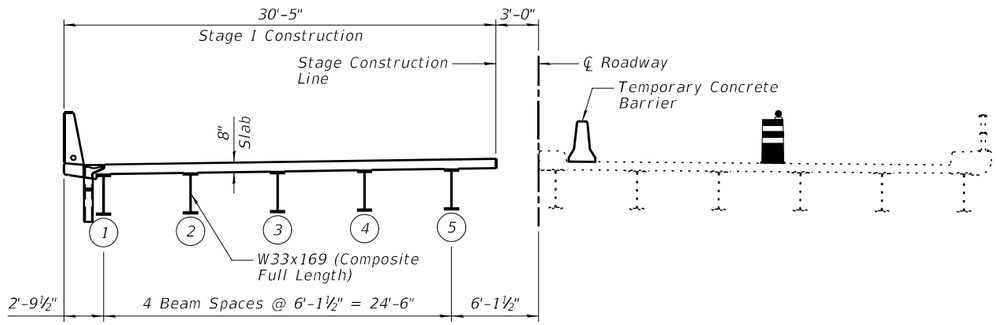
GENERAL DATA
STRUCTURE NO. 046-0155
SHEET NO. 2 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	70
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



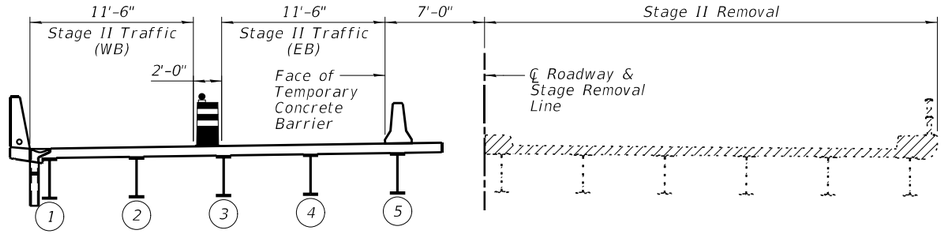
STAGE I REMOVAL

(Looking East)



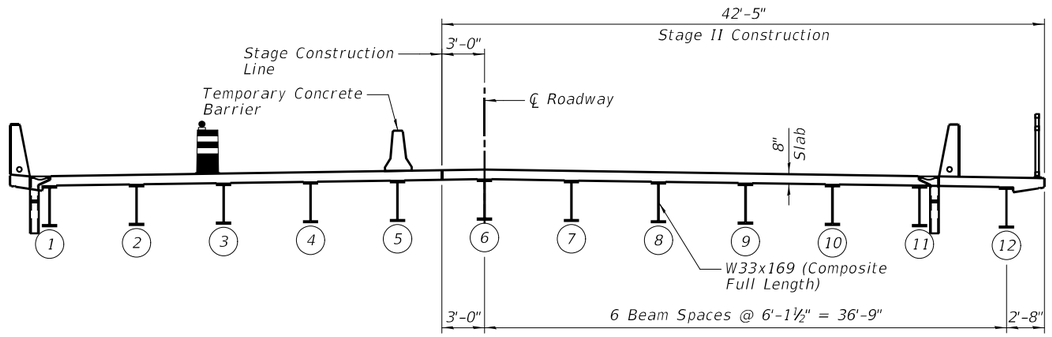
STAGE I CONSTRUCTION

(Looking East)



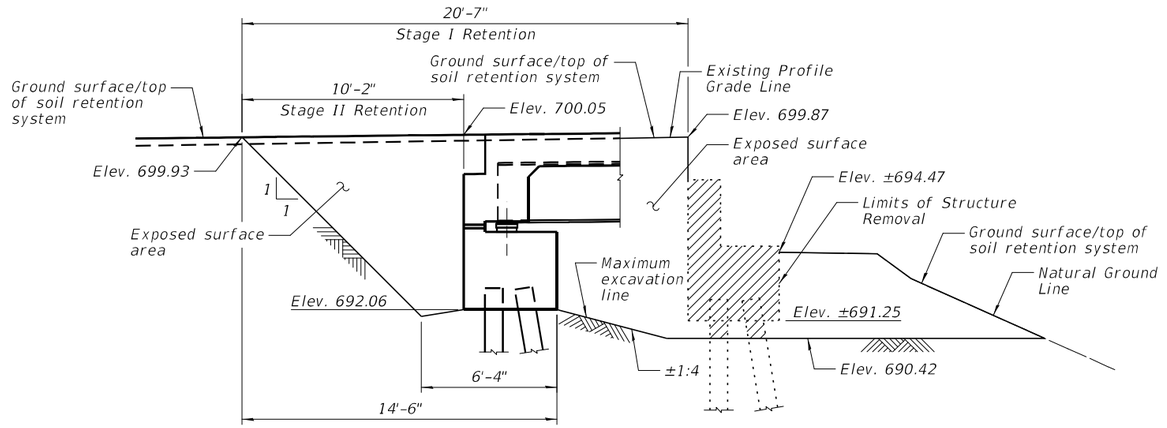
STAGE II REMOVAL

(Looking East)



STAGE II CONSTRUCTION

(Looking East)

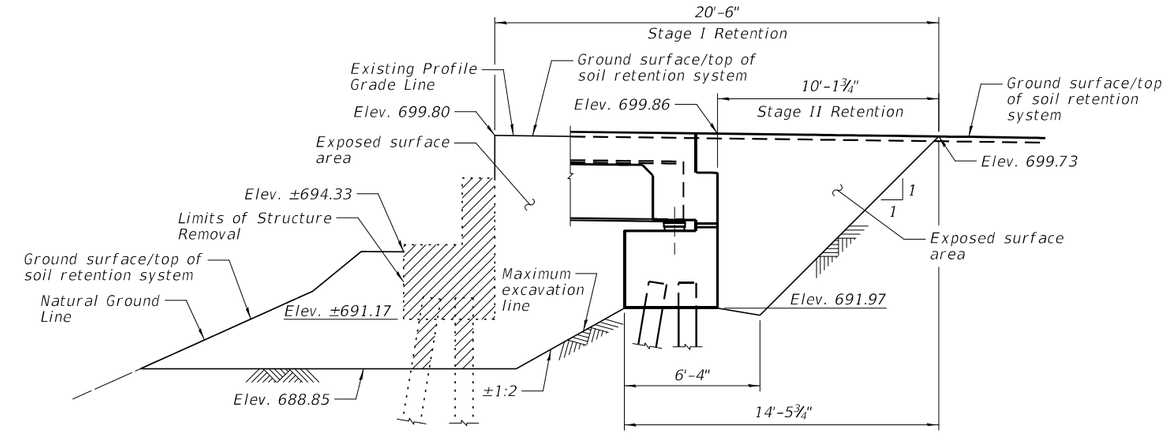


WEST ABUTMENT TEMPORARY SOIL RETENTION SYSTEM

(Horizontal dimensions @ Rt. ℄'s)

WEST ABUTMENT BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	188



EAST ABUTMENT TEMPORARY SOIL RETENTION SYSTEM

(Horizontal dimensions @ Rt. ℄'s)

EAST ABUTMENT BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	202

NOTES:

1.) See Sheet 4 of 42 for Temporary Concrete Barrier. See roadway plans for quantity.
2.) Hatched area indicates Structure Removal.
3.) A cantilever sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

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	DRAWN - DJM	REVISED
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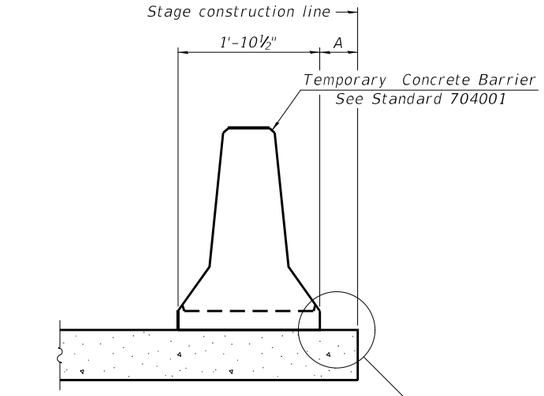
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

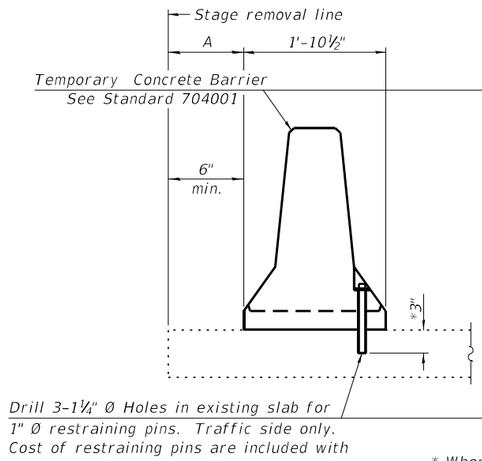
STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 046-0155
SHEET NO. 3 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	71
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



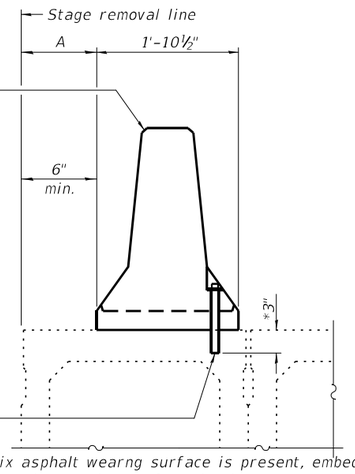
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



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

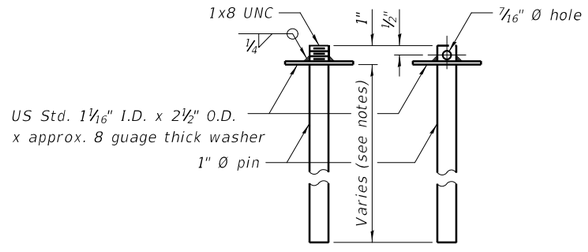
EXISTING SLAB



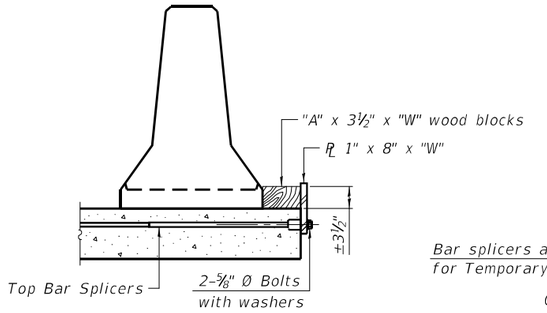
* When hot-mix asphalt wearng surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

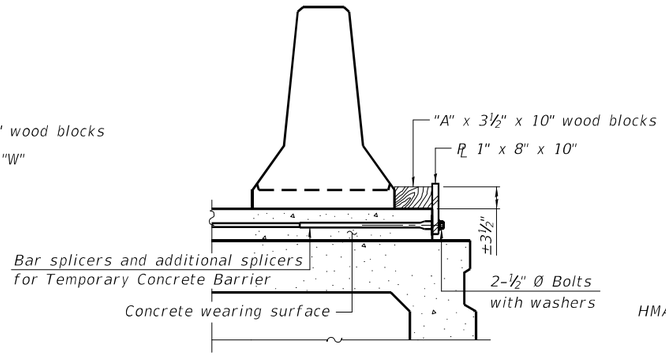
SECTIONS THRU SLAB OR DECK BEAM



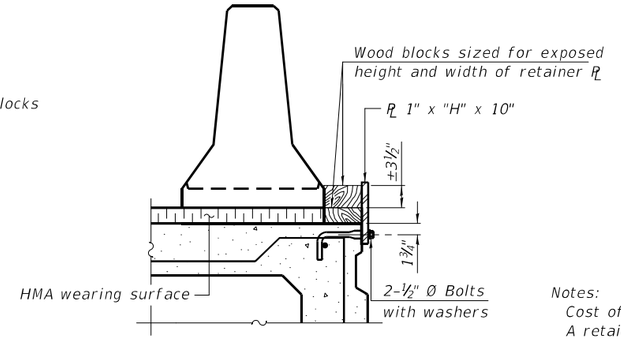
RESTRAINING PIN



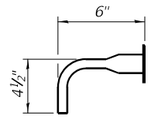
DETAIL I



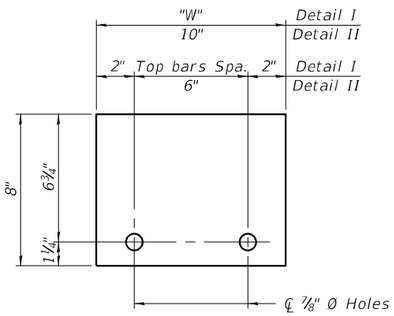
DETAIL II



DETAIL III

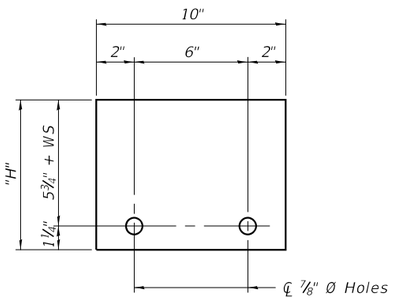


BAR SPLICER FOR #4 BAR - DETAIL III



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 ℄ of each temporary concrete barrier.

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

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

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

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

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

R-27

2-17-2017

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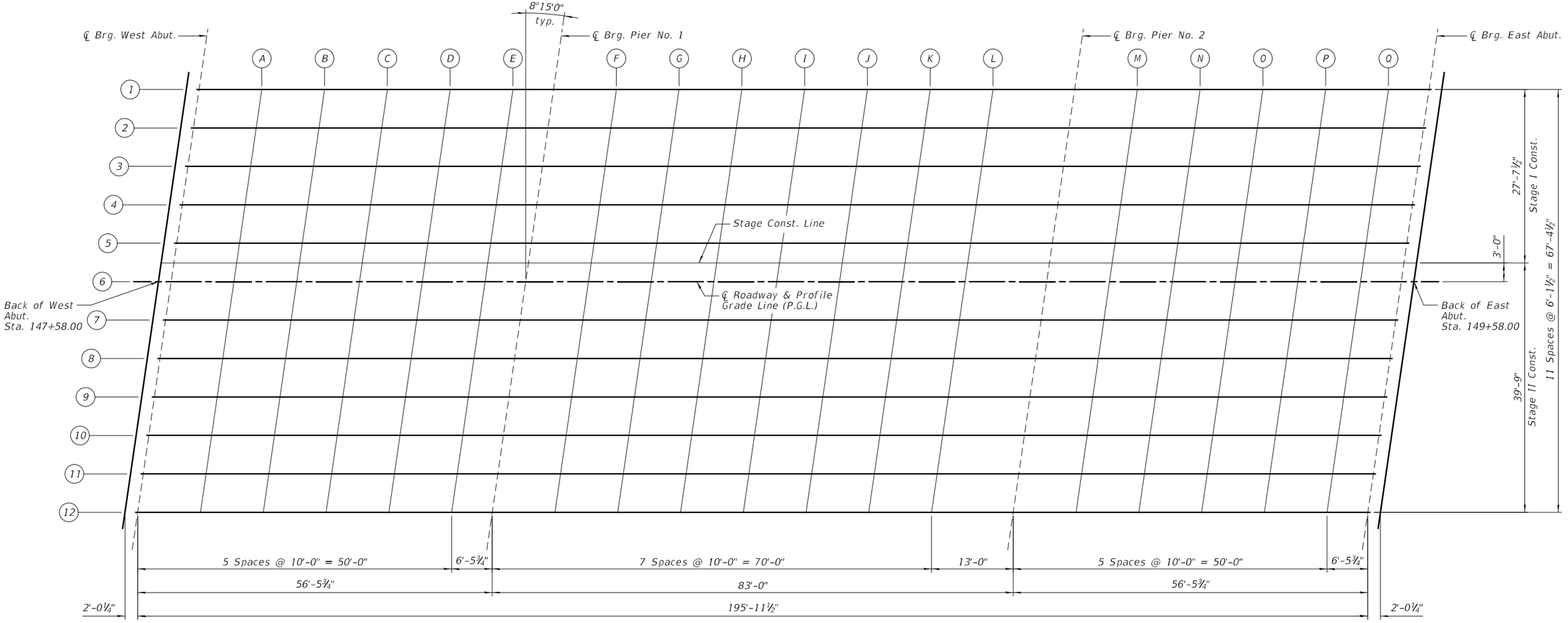
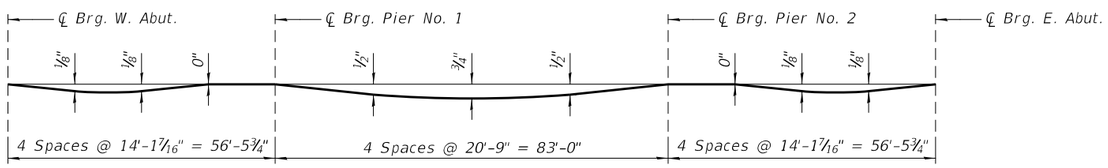
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 046-0155
SHEET NO. 4 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	72
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



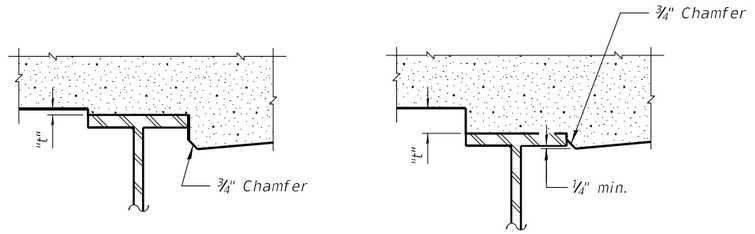
PLAN



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 "Theoretical Grade Elevations Adjusted for Dead Load Deflection", as shown on Sheets 6 thru 9 of 42.



At Minimum Fillet

At Maximum Fillet

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets 6 thru 9 of 42, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

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DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATION LOCATIONS
STRUCTURE NO. 046-0155
SHEET NO. 5 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	73
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

BEAM 1

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+62.44	-30.63	699.63	699.63
℄ Brg. West Abut.	147+64.46	-30.63	699.65	699.65
A	147+74.46	-30.63	699.75	699.75
B	147+84.46	-30.63	699.83	699.84
C	147+94.46	-30.63	699.89	699.91
D	148+04.46	-30.63	699.95	699.96
E	148+14.46	-30.63	700.00	700.00
℄ Brg. Pier No. 1	148+20.94	-30.63	700.02	700.02
F	148+30.94	-30.63	700.05	700.07
G	148+40.94	-30.63	700.07	700.11
H	148+50.94	-30.63	700.07	700.13
I	148+60.94	-30.63	700.06	700.13
J	148+70.94	-30.63	700.05	700.11
K	148+80.94	-30.63	700.02	700.06
L	148+90.94	-30.63	699.98	700.00
℄ Brg. Pier No. 2	149+03.94	-30.63	699.90	699.90
M	149+13.94	-30.63	699.84	699.84
N	149+23.94	-30.63	699.76	699.76
O	149+33.94	-30.63	699.67	699.68
P	149+43.94	-30.63	699.57	699.58
Q	149+53.94	-30.63	699.45	699.46
℄ Brg. East Abut.	149+60.42	-30.63	699.37	699.37
Bk. of East Abut.	149+62.44	-30.63	699.35	699.35

BEAM 2

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+61.55	-24.50	699.72	699.72
℄ Brg. West Abut.	147+63.57	-24.50	699.74	699.74
A	147+73.57	-24.50	699.83	699.84
B	147+83.57	-24.50	699.91	699.92
C	147+93.57	-24.50	699.98	699.99
D	148+03.57	-24.50	700.04	700.04
E	148+13.57	-24.50	700.09	700.09
℄ Brg. Pier No. 1	148+20.05	-24.50	700.11	700.11
F	148+30.05	-24.50	700.14	700.16
G	148+40.05	-24.50	700.16	700.20
H	148+50.05	-24.50	700.16	700.22
I	148+60.05	-24.50	700.16	700.22
J	148+70.05	-24.50	700.14	700.20
K	148+80.05	-24.50	700.11	700.16
L	148+90.05	-24.50	700.07	700.09
℄ Brg. Pier No. 2	149+03.05	-24.50	700.00	700.00
M	149+13.05	-24.50	699.94	699.94
N	149+23.05	-24.50	699.86	699.86
O	149+33.05	-24.50	699.77	699.78
P	149+43.05	-24.50	699.67	699.68
Q	149+53.05	-24.50	699.56	699.56
℄ Brg. East Abut.	149+59.53	-24.50	699.48	699.48
Bk. of East Abut.	149+61.55	-24.50	699.45	699.45

BEAM 3

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+60.66	-18.38	699.80	699.80
℄ Brg. West Abut.	147+62.68	-18.38	699.82	699.82
A	147+72.68	-18.38	699.91	699.92
B	147+82.68	-18.38	700.00	700.01
C	147+92.68	-18.38	700.07	700.08
D	148+02.68	-18.38	700.13	700.13
E	148+12.68	-18.38	700.18	700.17
℄ Brg. Pier No. 1	148+19.16	-18.38	700.20	700.20
F	148+29.16	-18.38	700.23	700.25
G	148+39.16	-18.38	700.25	700.29
H	148+49.16	-18.38	700.25	700.31
I	148+59.16	-18.38	700.25	700.32
J	148+69.16	-18.38	700.23	700.29
K	148+79.16	-18.38	700.21	700.25
L	148+89.16	-18.38	700.17	700.19
℄ Brg. Pier No. 2	149+02.16	-18.38	700.10	700.10
M	149+12.16	-18.38	700.03	700.03
N	149+22.16	-18.38	699.96	699.96
O	149+32.16	-18.38	699.87	699.88
P	149+42.16	-18.38	699.77	699.78
Q	149+52.16	-18.38	699.66	699.66
℄ Brg. East Abut.	149+58.64	-18.38	699.58	699.58
Bk. of East Abut.	149+60.66	-18.38	699.56	699.56

BEAM 4

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+59.78	-12.25	699.88	699.88
℄ Brg. West Abut.	147+61.80	-12.25	699.90	699.90
A	147+71.80	-12.25	700.00	700.01
B	147+81.80	-12.25	700.08	700.09
C	147+91.80	-12.25	700.15	700.16
D	148+01.80	-12.25	700.21	700.22
E	148+11.80	-12.25	700.26	700.26
℄ Brg. Pier No. 1	148+18.28	-12.25	700.29	700.29
F	148+28.28	-12.25	700.32	700.34
G	148+38.28	-12.25	700.34	700.38
H	148+48.28	-12.25	700.35	700.40
I	148+58.28	-12.25	700.34	700.41
J	148+68.28	-12.25	700.33	700.39
K	148+78.28	-12.25	700.30	700.35
L	148+88.28	-12.25	700.26	700.29
℄ Brg. Pier No. 2	149+01.28	-12.25	700.20	700.20
M	149+11.28	-12.25	700.13	700.13
N	149+21.28	-12.25	700.06	700.06
O	149+31.28	-12.25	699.97	699.98
P	149+41.28	-12.25	699.87	699.88
Q	149+51.28	-12.25	699.76	699.77
℄ Brg. East Abut.	149+57.76	-12.25	699.68	699.68
Bk. of East Abut.	149+59.78	-12.25	699.66	699.66

Farnsworth GROUP
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	CHECKED - DAH	REVISED
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS
STRUCTURE NO. 046-0155
SHEET NO. 6 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	74
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

BEAM 5

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+58.89	-6.13	699.96	699.96
℄ Brg. West Abut.	147+60.91	-6.13	699.99	699.99
A	147+70.91	-6.13	700.08	700.09
B	147+80.91	-6.13	700.17	700.18
C	147+90.91	-6.13	700.24	700.25
D	148+00.91	-6.13	700.30	700.30
E	148+10.91	-6.13	700.35	700.35
℄ Brg. Pier No. 1	148+17.39	-6.13	700.38	700.38
F	148+27.39	-6.13	700.41	700.43
G	148+37.39	-6.13	700.43	700.47
H	148+47.39	-6.13	700.44	700.50
I	148+57.39	-6.13	700.44	700.50
J	148+67.39	-6.13	700.42	700.48
K	148+77.39	-6.13	700.40	700.44
L	148+87.39	-6.13	700.36	700.38
℄ Brg. Pier No. 2	149+00.39	-6.13	700.29	700.29
M	149+10.39	-6.13	700.23	700.23
N	149+20.39	-6.13	700.16	700.16
O	149+30.39	-6.13	700.07	700.08
P	149+40.39	-6.13	699.97	699.98
Q	149+50.39	-6.13	699.86	699.87
℄ Brg. East Abut.	149+56.87	-6.13	699.79	699.79
Bk. of East Abut.	149+58.89	-6.13	699.76	699.76

BEAM 6, ℄ ROADWAY & PROFILE GRADE LINE (P.G.L.)

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+58.00	0.00	700.05	700.05
℄ Brg. West Abut.	147+60.02	0.00	700.07	700.07
A	147+70.02	0.00	700.16	700.17
B	147+80.02	0.00	700.25	700.26
C	147+90.02	0.00	700.32	700.34
D	148+00.02	0.00	700.39	700.39
E	148+10.02	0.00	700.44	700.44
℄ Brg. Pier No. 1	148+16.50	0.00	700.47	700.47
F	148+26.50	0.00	700.50	700.52
G	148+36.50	0.00	700.52	700.56
H	148+46.50	0.00	700.53	700.59
I	148+56.50	0.00	700.53	700.59
J	148+66.50	0.00	700.51	700.58
K	148+76.50	0.00	700.49	700.53
L	148+86.50	0.00	700.45	700.48
℄ Brg. Pier No. 2	148+99.50	0.00	700.39	700.39
M	149+09.50	0.00	700.33	700.33
N	149+19.50	0.00	700.25	700.26
O	149+29.50	0.00	700.17	700.18
P	149+39.50	0.00	700.07	700.08
Q	149+49.50	0.00	699.96	699.97
℄ Brg. East Abut.	149+55.98	0.00	699.89	699.89
Bk. of East Abut.	149+58.00	0.00	699.86	699.86

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+58.43	-3.00	700.01	700.01
℄ Brg. West Abut.	147+60.45	-3.00	700.03	700.03
A	147+70.45	-3.00	700.12	700.13
B	147+80.45	-3.00	700.21	700.22
C	147+90.45	-3.00	700.28	700.29
D	148+00.45	-3.00	700.35	700.35
E	148+10.45	-3.00	700.40	700.39
℄ Brg. Pier No. 1	148+16.93	-3.00	700.42	700.42
F	148+26.93	-3.00	700.46	700.47
G	148+36.93	-3.00	700.48	700.52
H	148+46.93	-3.00	700.48	700.54
I	148+56.93	-3.00	700.48	700.55
J	148+66.93	-3.00	700.47	700.53
K	148+76.93	-3.00	700.44	700.49
L	148+86.93	-3.00	700.41	700.43
℄ Brg. Pier No. 2	148+99.93	-3.00	700.34	700.34
M	149+09.93	-3.00	700.28	700.28
N	149+19.93	-3.00	700.21	700.21
O	149+29.93	-3.00	700.12	700.13
P	149+39.93	-3.00	700.02	700.04
Q	149+49.93	-3.00	699.91	699.92
℄ Brg. East Abut.	149+56.41	-3.00	699.84	699.84
Bk. of East Abut.	149+58.43	-3.00	699.81	699.81

BEAM 7

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+57.11	6.13	699.95	699.95
℄ Brg. West Abut.	147+59.13	6.13	699.97	699.97
A	147+69.13	6.13	700.06	700.07
B	147+79.13	6.13	700.15	700.16
C	147+89.13	6.13	700.23	700.24
D	147+99.13	6.13	700.29	700.29
E	148+09.13	6.13	700.34	700.34
℄ Brg. Pier No. 1	148+15.61	6.13	700.37	700.37
F	148+25.61	6.13	700.40	700.42
G	148+35.61	6.13	700.43	700.47
H	148+45.61	6.13	700.44	700.50
I	148+55.61	6.13	700.44	700.50
J	148+65.61	6.13	700.42	700.49
K	148+75.61	6.13	700.40	700.45
L	148+85.61	6.13	700.37	700.39
℄ Brg. Pier No. 2	148+98.61	6.13	700.30	700.30
M	149+08.61	6.13	700.24	700.24
N	149+18.61	6.13	700.17	700.18
O	149+28.61	6.13	700.09	700.10
P	149+38.61	6.13	699.99	700.00
Q	149+48.61	6.13	699.88	699.89
℄ Brg. East Abut.	149+55.09	6.13	699.81	699.81
Bk. of East Abut.	149+57.11	6.13	699.78	699.78

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS
STRUCTURE NO. 046-0155
SHEET NO. 7 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	75
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

BEAM 8

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+56.22	12.25	699.84	699.84
℄ Brg. West Abut.	147+58.24	12.25	699.87	699.87
A	147+68.24	12.25	699.96	699.97
B	147+78.24	12.25	700.05	700.07
C	147+88.24	12.25	700.13	700.14
D	147+98.24	12.25	700.19	700.20
E	148+08.24	12.25	700.25	700.25
℄ Brg. Pier No. 1	148+14.72	12.25	700.28	700.28
F	148+24.72	12.25	700.31	700.33
G	148+34.72	12.25	700.33	700.37
H	148+44.72	12.25	700.35	700.40
I	148+54.72	12.25	700.35	700.41
J	148+64.72	12.25	700.33	700.40
K	148+74.72	12.25	700.31	700.36
L	148+84.72	12.25	700.28	700.30
℄ Brg. Pier No. 2	148+97.72	12.25	700.22	700.22
M	149+07.72	12.25	700.16	700.16
N	149+17.72	12.25	700.08	700.09
O	149+27.72	12.25	700.00	700.01
P	149+37.72	12.25	699.91	699.92
Q	149+47.72	12.25	699.80	699.81
℄ Brg. East Abut.	149+54.20	12.25	699.73	699.73
Bk. of East Abut.	149+56.22	12.25	699.70	699.70

BEAM 9

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+55.34	18.38	699.74	699.74
℄ Brg. West Abut.	147+57.36	18.38	699.76	699.76
A	147+67.36	18.38	699.86	699.87
B	147+77.36	18.38	699.95	699.97
C	147+87.36	18.38	700.03	700.04
D	147+97.36	18.38	700.10	700.10
E	148+07.36	18.38	700.15	700.15
℄ Brg. Pier No. 1	148+13.84	18.38	700.18	700.18
F	148+23.84	18.38	700.22	700.23
G	148+33.84	18.38	700.24	700.28
H	148+43.84	18.38	700.25	700.31
I	148+53.84	18.38	700.25	700.32
J	148+63.84	18.38	700.24	700.30
K	148+73.84	18.38	700.22	700.27
L	148+83.84	18.38	700.19	700.21
℄ Brg. Pier No. 2	148+96.84	18.38	700.13	700.13
M	149+06.84	18.38	700.07	700.07
N	149+16.84	18.38	700.00	700.01
O	149+26.84	18.38	699.92	699.93
P	149+36.84	18.38	699.82	699.84
Q	149+46.84	18.38	699.72	699.72
℄ Brg. East Abut.	149+53.32	18.38	699.64	699.64
Bk. of East Abut.	149+55.34	18.38	699.62	699.62

BEAM 10

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+54.45	24.50	699.64	699.64
℄ Brg. West Abut.	147+56.47	24.50	699.66	699.66
A	147+66.47	24.50	699.76	699.77
B	147+76.47	24.50	699.85	699.87
C	147+86.47	24.50	699.93	699.94
D	147+96.47	24.50	700.00	700.00
E	148+06.47	24.50	700.05	700.05
℄ Brg. Pier No. 1	148+12.95	24.50	700.08	700.08
F	148+22.95	24.50	700.12	700.14
G	148+32.95	24.50	700.15	700.19
H	148+42.95	24.50	700.16	700.22
I	148+52.95	24.50	700.16	700.23
J	148+62.95	24.50	700.15	700.21
K	148+72.95	24.50	700.13	700.18
L	148+82.95	24.50	700.10	700.12
℄ Brg. Pier No. 2	148+95.95	24.50	700.04	700.04
M	149+05.95	24.50	699.98	699.98
N	149+15.95	24.50	699.91	699.92
O	149+25.95	24.50	699.83	699.85
P	149+35.95	24.50	699.74	699.75
Q	149+45.95	24.50	699.64	699.64
℄ Brg. East Abut.	149+52.43	24.50	699.56	699.56
Bk. of East Abut.	149+54.45	24.50	699.54	699.54

BEAM 11

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+53.56	30.63	699.54	699.54
℄ Brg. West Abut.	147+55.58	30.63	699.56	699.56
A	147+65.58	30.63	699.66	699.67
B	147+75.58	30.63	699.75	699.77
C	147+85.58	30.63	699.83	699.84
D	147+95.58	30.63	699.90	699.91
E	148+05.58	30.63	699.96	699.96
℄ Brg. Pier No. 1	148+12.06	30.63	699.99	699.99
F	148+22.06	30.63	700.03	700.04
G	148+32.06	30.63	700.05	700.09
H	148+42.06	30.63	700.07	700.13
I	148+52.06	30.63	700.07	700.14
J	148+62.06	30.63	700.06	700.12
K	148+72.06	30.63	700.04	700.09
L	148+82.06	30.63	700.01	700.04
℄ Brg. Pier No. 2	148+95.06	30.63	699.96	699.96
M	149+05.06	30.63	699.90	699.90
N	149+15.06	30.63	699.83	699.84
O	149+25.06	30.63	699.75	699.76
P	149+35.06	30.63	699.66	699.67
Q	149+45.06	30.63	699.55	699.56
℄ Brg. East Abut.	149+51.54	30.63	699.48	699.48
Bk. of East Abut.	149+53.56	30.63	699.46	699.46

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	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS
STRUCTURE NO. 046-0155
SHEET NO. 8 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	76
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

BEAM 12

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted for Dead Load Deflection
Bk. of West Abut.	147+52.67	36.75	699.44	699.44
℄ Brg. West Abut.	147+54.69	36.75	699.46	699.46
A	147+64.69	36.75	699.56	699.57
B	147+74.69	36.75	699.66	699.67
C	147+84.69	36.75	699.74	699.75
D	147+94.69	36.75	699.80	699.81
E	148+04.69	36.75	699.86	699.86
℄ Brg. Pier No. 1	148+11.17	36.75	699.89	699.89
F	148+21.17	36.75	699.93	699.95
G	148+31.17	36.75	699.96	700.00
H	148+41.17	36.75	699.97	700.03
I	148+51.17	36.75	699.98	700.04
J	148+61.17	36.75	699.97	700.03
K	148+71.17	36.75	699.95	700.00
L	148+81.17	36.75	699.92	699.95
℄ Brg. Pier No. 2	148+94.17	36.75	699.87	699.87
M	149+04.17	36.75	699.81	699.81
N	149+14.17	36.75	699.74	699.75
O	149+24.17	36.75	699.66	699.68
P	149+34.17	36.75	699.57	699.59
Q	149+44.17	36.75	699.47	699.48
℄ Brg. East Abut.	149+50.65	36.75	699.40	699.40
Bk. of East Abut.	149+52.67	36.75	699.38	699.38

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DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS
STRUCTURE NO. 046-0155
SHEET NO. 9 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	77
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

NORTH CURB LINE & FACE OF PARAPET

Location	Station	Offset	Theoretical Grade Elevation
W. End of West Appr.	147+33.65	-32.00	699.28
A	147+43.65	-32.00	699.40
B	147+53.65	-32.00	699.52
E. End of West Appr.	147+63.65	-32.00	699.62

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevation
W. End of West Appr.	147+33.36	-30.00	699.30
A	147+43.36	-30.00	699.43
B	147+53.36	-30.00	699.55
E. End of West Appr.	147+63.36	-30.00	699.65

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevation
W. End of West Appr.	147+29.45	-3.00	699.66
A	147+39.45	-3.00	699.79
B	147+49.45	-3.00	699.91
E. End of West Appr.	147+59.45	-3.00	700.02

℄ ROADWAY & PROFILE GRADE LINE (P.G.L.)

Location	Station	Offset	Theoretical Grade Elevation
W. End of West Appr.	147+29.01	0.00	699.69
A	147+39.01	0.00	699.83
B	147+49.01	0.00	699.95
E. End of West Appr.	147+59.01	0.00	700.06

SOUTH EDGE OF PAVEMENT

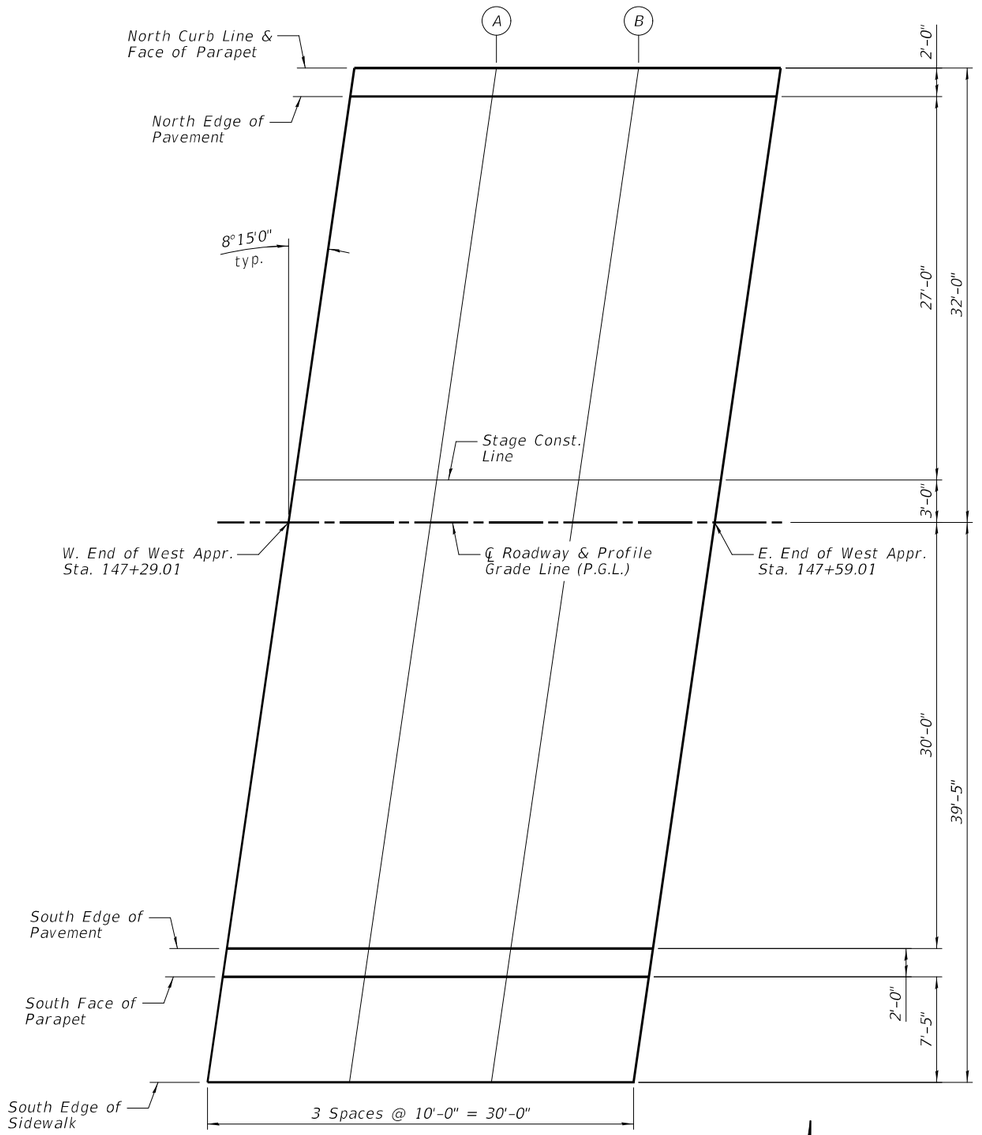
Location	Station	Offset	Theoretical Grade Elevation
W. End of West Appr.	147+24.66	30.00	699.18
A	147+34.66	30.00	699.32
B	147+44.66	30.00	699.45
E. End of West Appr.	147+54.66	30.00	699.56

SOUTH FACE OF PARAPET

Location	Station	Offset	Theoretical Grade Elevation
W. End of West Appr.	147+24.37	32.00	699.15
A	147+34.37	32.00	699.29
B	147+44.37	32.00	699.41
E. End of West Appr.	147+54.37	32.00	699.53

SOUTH EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevation
W. End of West Appr.	147+23.30	39.42	699.02
A	147+33.30	39.42	699.16
B	147+43.30	39.42	699.29
E. End of West Appr.	147+53.30	39.42	699.40



WEST APPROACH SLAB PLAN

Farnsworth GROUP
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BLOOMINGTON, ILLINOIS 61704
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		DRAWN - DJM	REVISED
	DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS
STRUCTURE NO. 046-0155
SHEET NO. 10 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	78
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

NORTH CURB LINE & FACE OF PARAPET

Location	Station	Offset	Theoretical Grade Elevation
W. End of East Appr.	149+61.63	-32.00	699.34
A	149+71.63	-32.00	699.21
B	149+81.63	-32.00	699.06
E. End of East Appr.	149+91.63	-32.00	698.90

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevation
W. End of East Appr.	149+61.34	-30.00	699.37
A	149+71.34	-30.00	699.24
B	149+81.34	-30.00	699.09
E. End of East Appr.	149+91.34	-30.00	698.94

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevation
W. End of East Appr.	149+57.42	-3.00	699.83
A	149+67.42	-3.00	699.70
B	149+77.42	-3.00	699.56
E. End of East Appr.	149+87.42	-3.00	699.41

℄ ROADWAY & PROFILE GRADE LINE (P.G.L.)

Location	Station	Offset	Theoretical Grade Elevation
W. End of East Appr.	149+56.99	0.00	699.88
A	149+66.99	0.00	699.75
B	149+76.99	0.00	699.61
E. End of East Appr.	149+86.99	0.00	699.46

SOUTH EDGE OF PAVEMENT

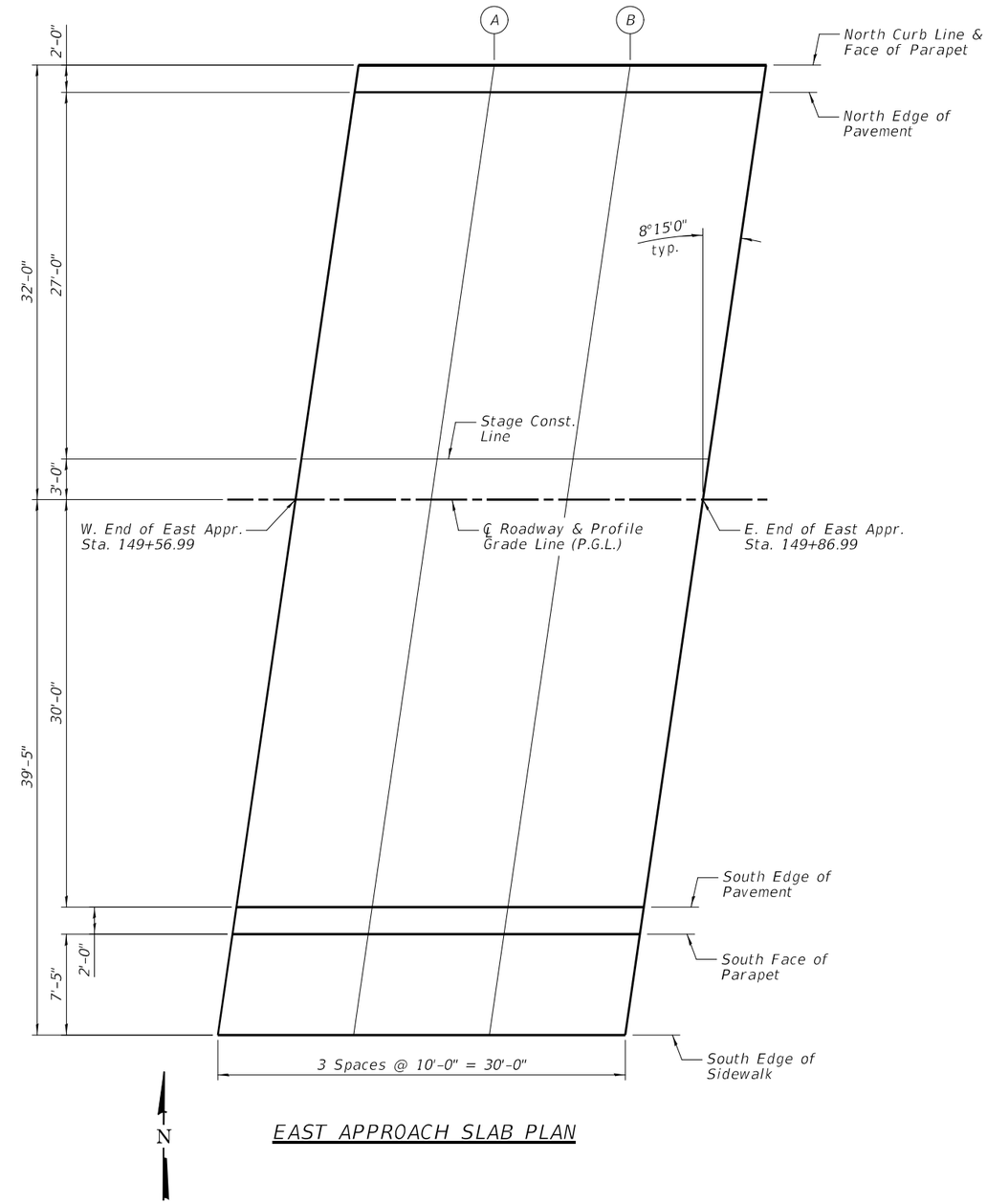
Location	Station	Offset	Theoretical Grade Elevation
W. End of East Appr.	149+52.64	30.00	699.48
A	149+62.64	30.00	699.36
B	149+72.64	30.00	699.22
E. End of East Appr.	149+82.64	30.00	699.08

SOUTH FACE OF PARAPET

Location	Station	Offset	Theoretical Grade Elevation
W. End of East Appr.	149+52.35	32.00	699.45
A	149+62.35	32.00	699.33
B	149+72.35	32.00	699.20
E. End of East Appr.	149+82.35	32.00	699.05

SOUTH EDGE OF SIDEWALK

Location	Station	Offset	Theoretical Grade Elevation
W. End of East Appr.	149+51.27	39.42	699.35
A	149+61.27	39.42	699.23
B	149+71.27	39.42	699.10
E. End of East Appr.	149+81.27	39.42	698.95



EAST APPROACH SLAB PLAN

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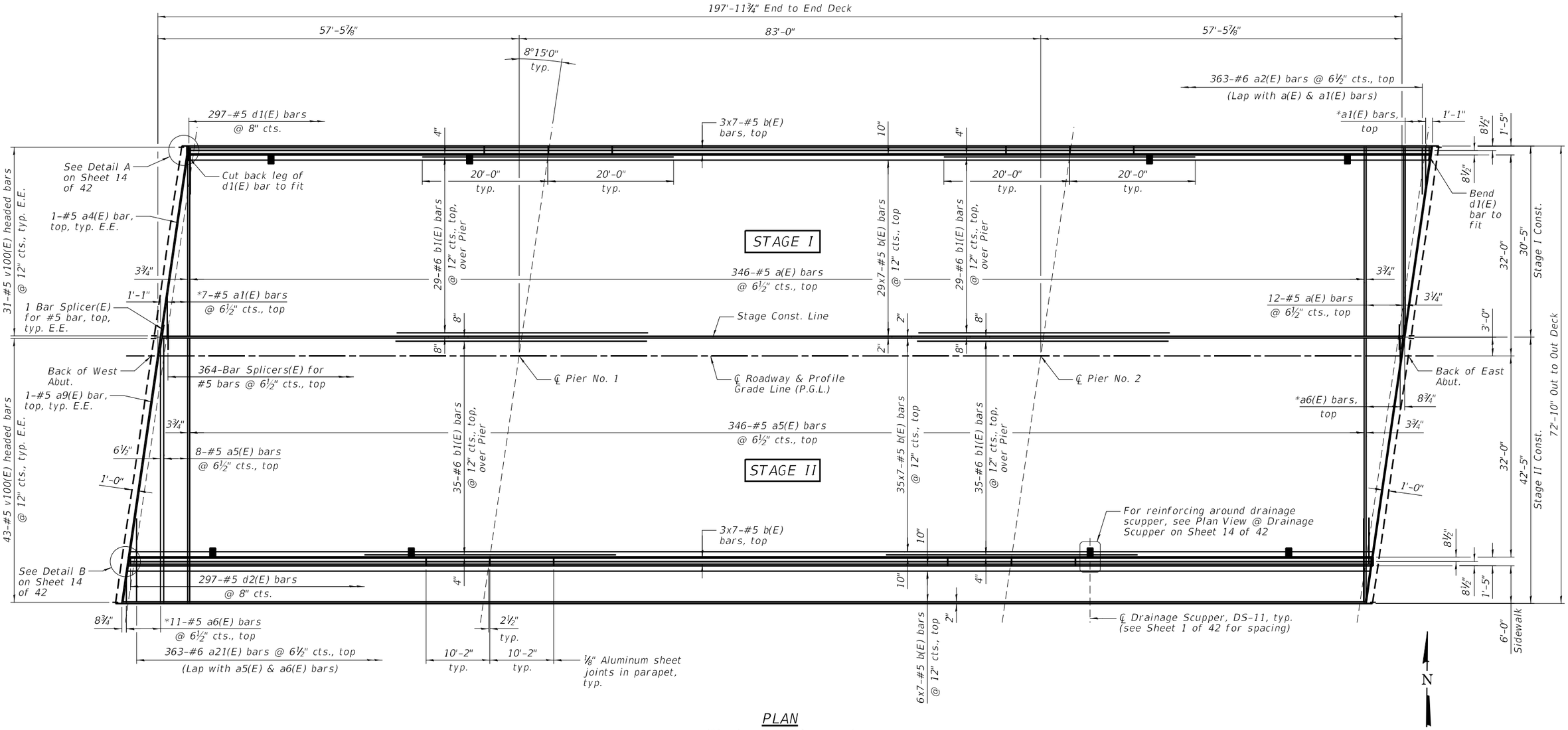
		DRAWN - DJM	REVISED
	DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS
STRUCTURE NO. 046-0155

SHEET NO. 11 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	79
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



PLAN
(Showing top reinforcement)

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

NOTES:

1.) See Sheet 14 of 42 for Cross Section.
2.) *See Sheet 15 of 42 for Field Cutting Diagram.
3.) See Sheet 15 of 42 for Superstructure Details and Bill of Material.
4.) Bars indicated thus 29x7-#5 etc. indicates 29 lines of bars with 7 lengths per line.
5.) E.E. denotes Each End.
6.) See Sheet 35 of 42 for Bar Splicer Details.

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	DRAWN - DJM	REVISED	
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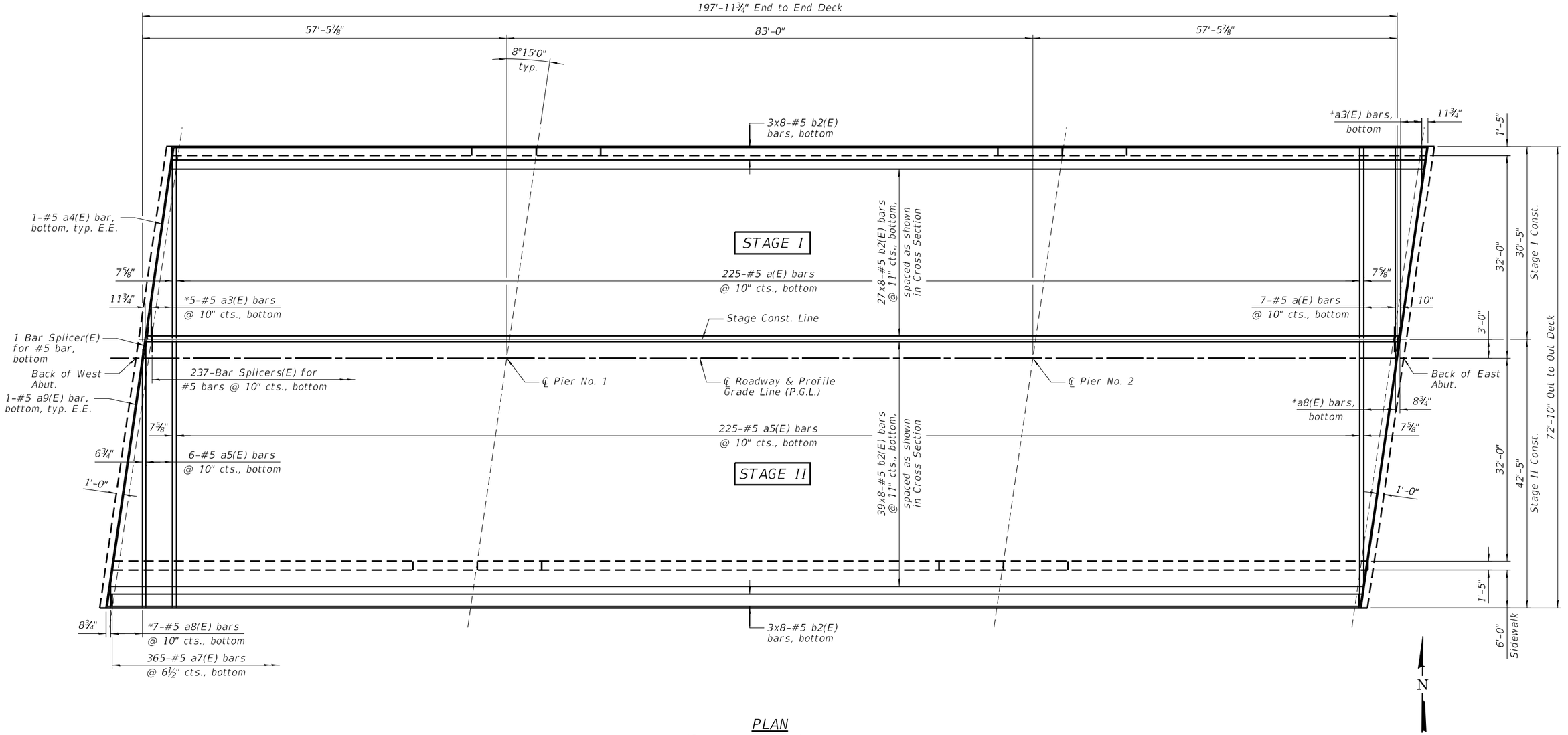
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 046-0155
SHEET NO. 12 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	80
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



PLAN
(Showing bottom reinforcement)

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

NOTES:

1.) See Sheet 14 of 42 for Cross Section.
2.) *See Sheet 15 of 42 for Field Cutting Diagram.
3.) See Sheet 15 of 42 for Superstructure Details and Bill of Material.
4.) Bars indicated thus 27x8-#5 etc. indicates 27 lines of bars with 8 lengths per line.
5.) E.E. denotes Each End.
6.) See Sheet 35 of 42 for Bar Splicer Details.

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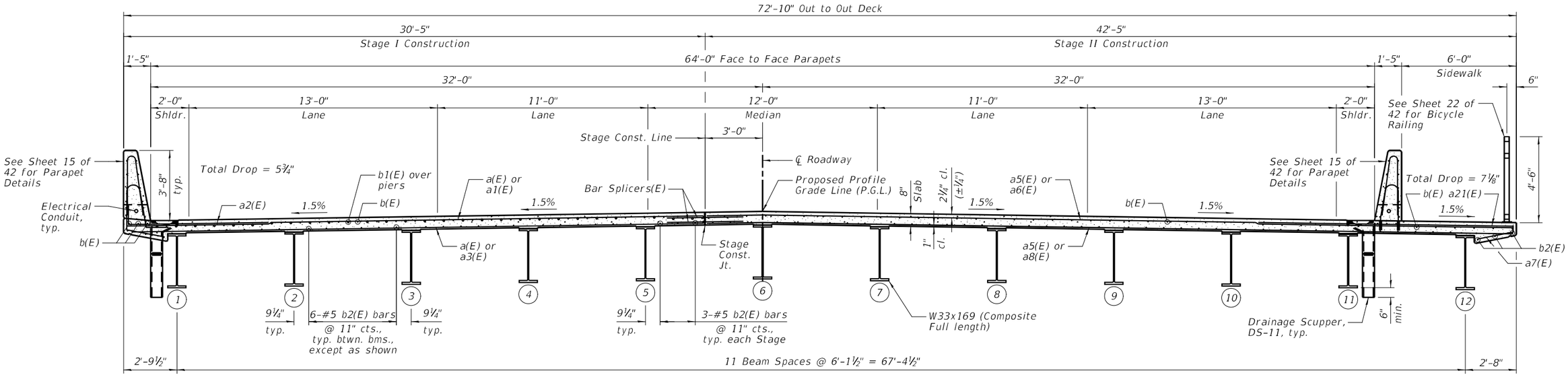
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 046-0155
SHEET NO. 13 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	81
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

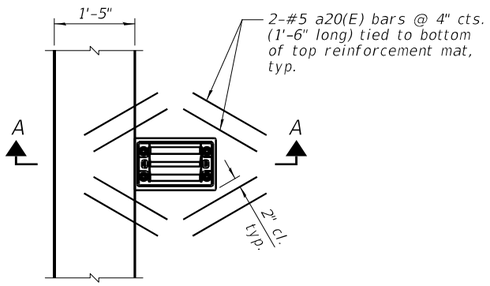


NEAR PIER

NEAR MIDSPAN

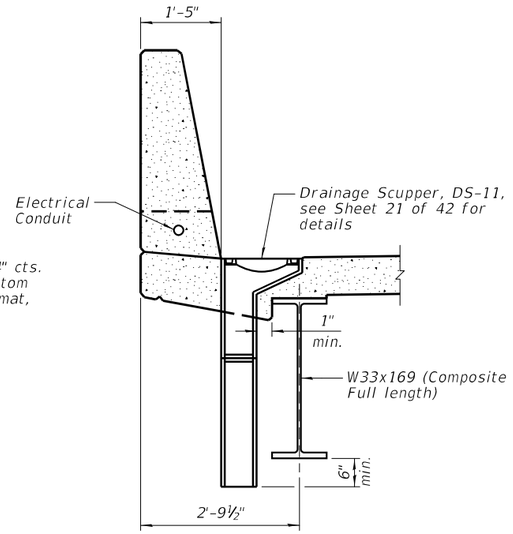
CROSS SECTION

(Looking East)

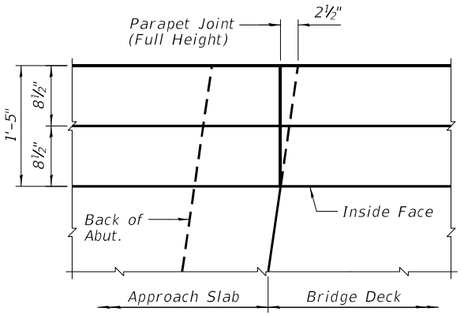


PLAN VIEW @ DRAINAGE SCUPPER

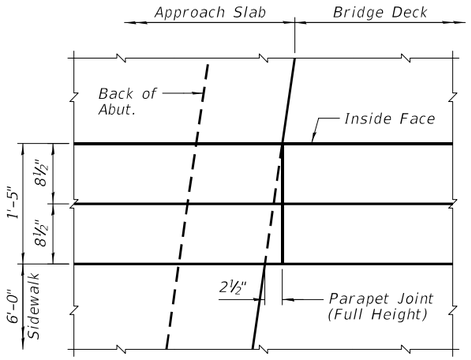
Note: Cut longitudinal reinforcement to clear drainage scuppers.



SECTION A-A



DETAIL A



DETAIL B

NOTES:

1.) See Sheets 12 & 13 of 42 for complete Deck Plan.
2.) See Sheet 12 of 42 for location of Detail A & Detail B.
3.) See Sheet 15 of 42 for Superstructure Details and Bill of Material.
4.) See Sheet 35 of 42 for Bar Splicer Details.

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	DRAWN - DJM	REVISED	
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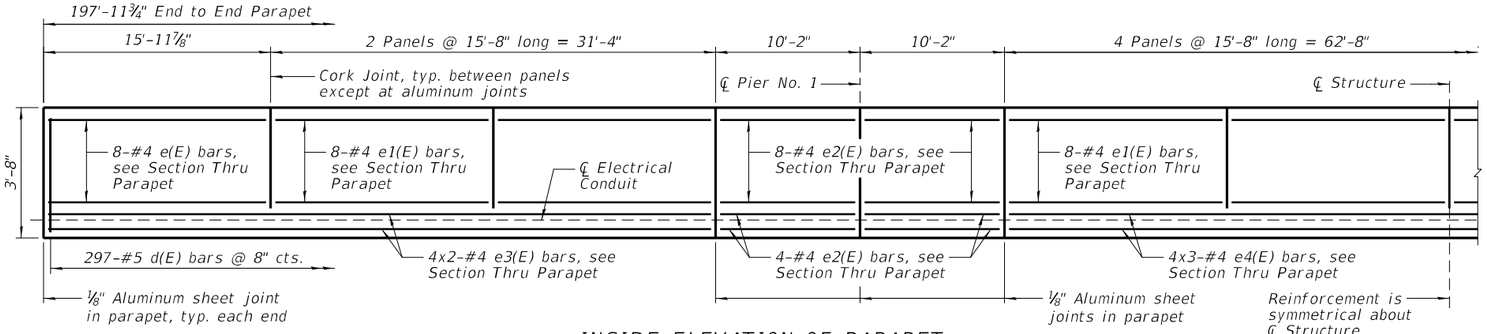
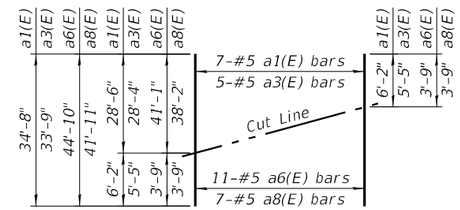
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 046-0155
SHEET NO. 14 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	82
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



INSIDE ELEVATION OF PARAPET



FIELD CUTTING DIAGRAM

Order a1(E), a3(E), a6(E) and a8(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck in same Stage.

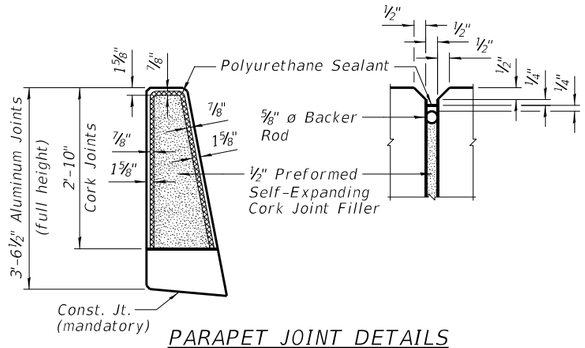
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	590	#5	30'-1"	
a1(E)	7	#5	34'-8"	
a2(E)	363	#6	8'-4"	
a3(E)	5	#5	33'-9"	
a4(E)	4	#5	30'-4"	
a5(E)	585	#5	42'-1"	
a6(E)	11	#5	44'-10"	
a7(E)	365	#5	2'-2"	
a8(E)	7	#5	41'-11"	
a9(E)	4	#5	42'-6"	
a20(E)	64	#5	1'-6"	
a21(E)	363	#6	13'-4"	
b(E)	532	#5	31'-3"	
b1(E)	128	#6	40'-0"	
b2(E)	576	#5	27'-9"	
d(E)	594	#5	6'-11"	
d1(E)	297	#5	8'-2"	
d2(E)	297	#5	5'-2"	
e(E)	32	#4	15'-8"	
e1(E)	128	#4	15'-4"	
e2(E)	96	#4	9'-10"	
e3(E)	32	#4	24'-9"	
e4(E)	24	#4	22'-5"	
m10(E)	16	#6	30'-4"	
m11(E)	16	#6	42'-6"	
m12(E)	60	#6	5'-10"	
m13(E)	12	#6	2'-9"	
m14(E)	12	#6	2'-4"	
m15(E)	72	#5	4'-0"	
s10(E)	124	#5	6'-9"	
s11(E)	124	#5	9'-4"	
u10(E)	124	#5	3'-10"	
v100(E)	148	#5	3'-1"	

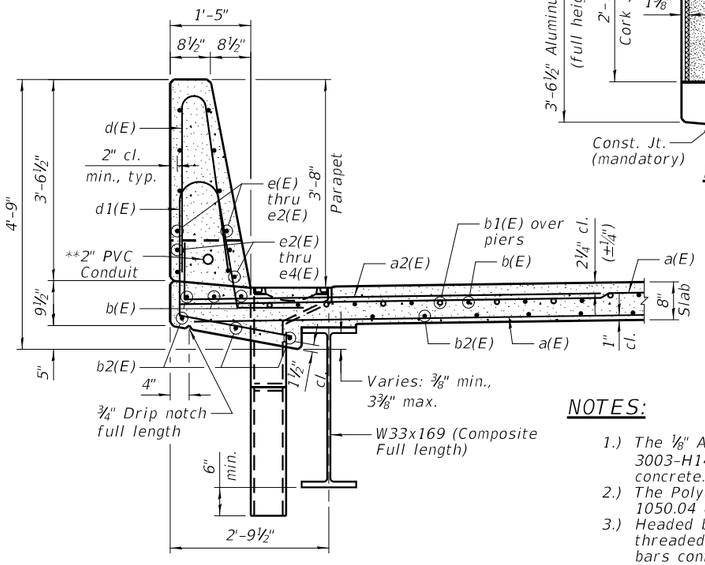
Item	Unit	Quantity
Concrete Superstructure	Cu. Yd.	479.4
Bridge Deck Grooving	Sq. Yd.	1,362
Protective Coat	Sq. Yd.	1,813
Reinforcement Bars, Epoxy Coated	Pound	117,440

MINIMUM BAR LAP

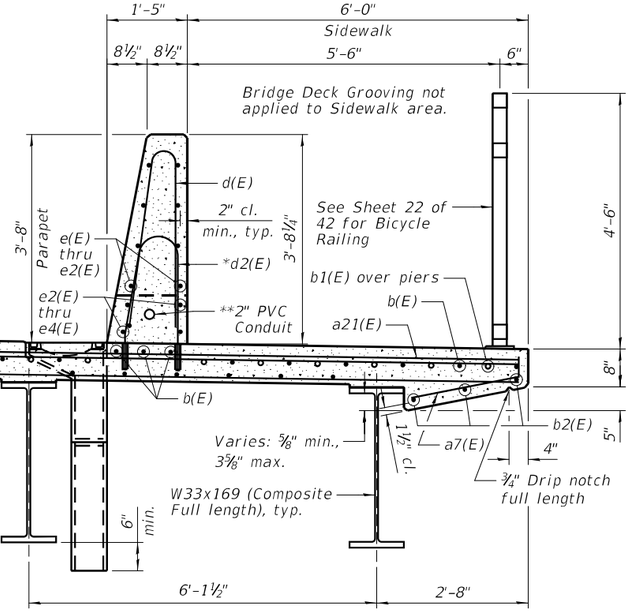
#4 bar = 2'-5"



PARAPET JOINT DETAILS



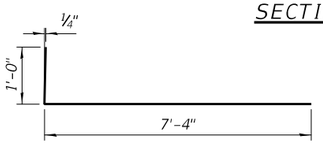
SECTION THRU NORTH PARAPET



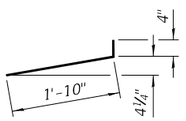
SECTION THRU SOUTH PARAPET

NOTES:

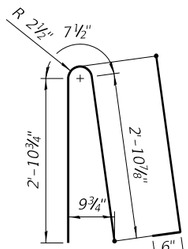
1.) The ⅛" Aluminum sheet shall be ASTM B 209 Alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
2.) The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
3.) Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



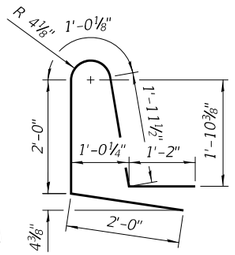
BAR a2(E)



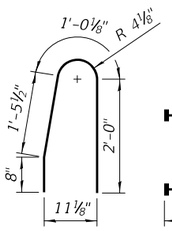
BAR a7(E)



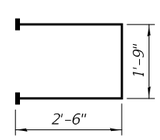
BAR d(E)



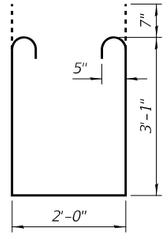
BAR d1(E)



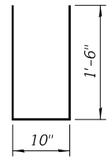
BAR d2(E)



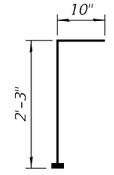
BAR s10(E)
(Headed)



BAR s11(E)



BAR u10(E)



BAR v100(E)
(Headed)

NOTES:

1.) See Sheet 12 & 13 of 42 for Superstructure Deck.
2.) See Sheet 14 of 42 for Superstructure Cross Section.
3.) Inside Elevation of Parapet view is exaggerated vertically to show reinforcement.
4.) Bars indicated thus 4x2-#4 etc. indicates 4 lines of bars with 2 lengths per line.
5.) *Drill and set #5 d2(E) bars according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of holes shall not exceed 6". Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.
6.) **Maintain 1½" minimum clearance from reinforcement.

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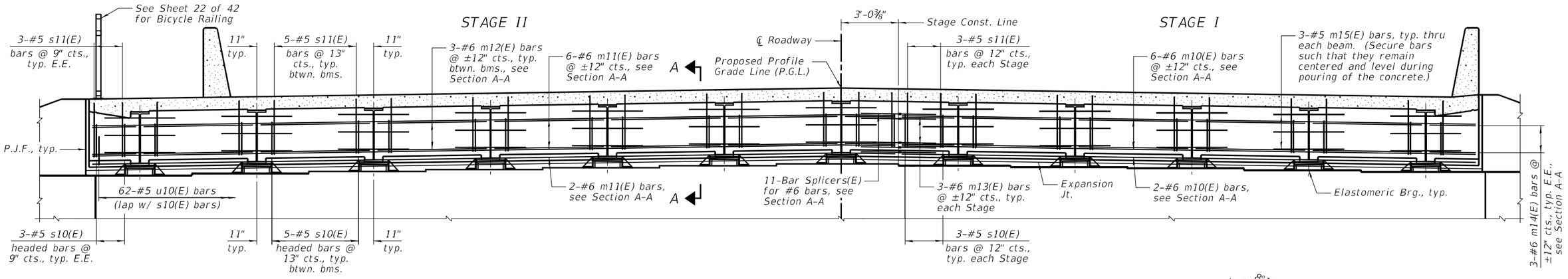
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

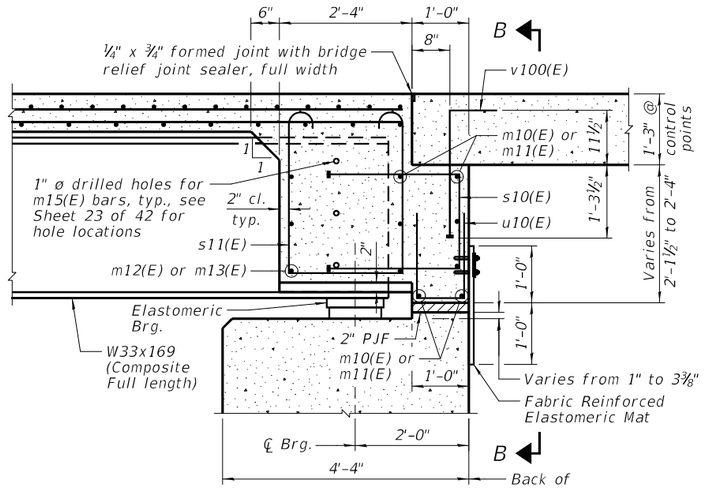
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 046-0155
SHEET NO. 15 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	83
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



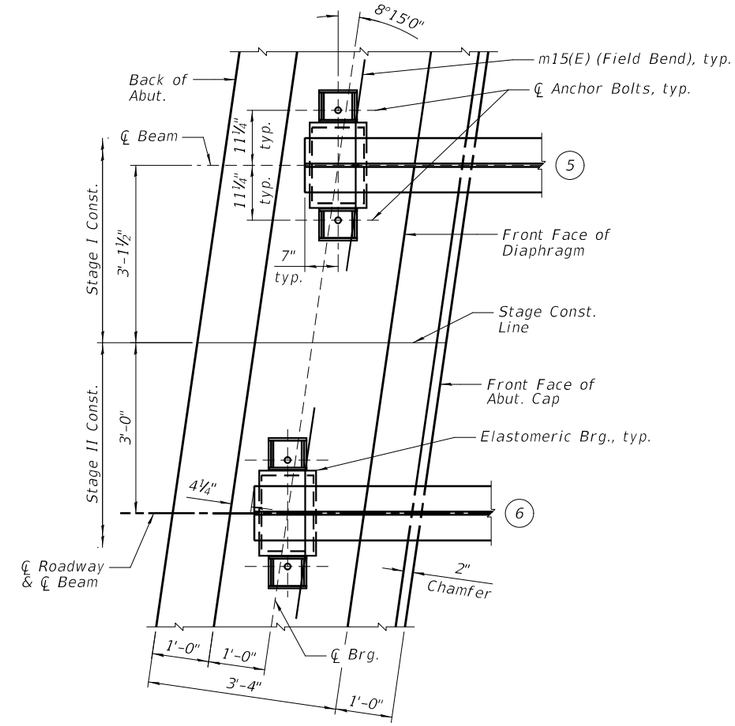
DIAPHRAGM AT WEST ABUTMENT

(Looking West)



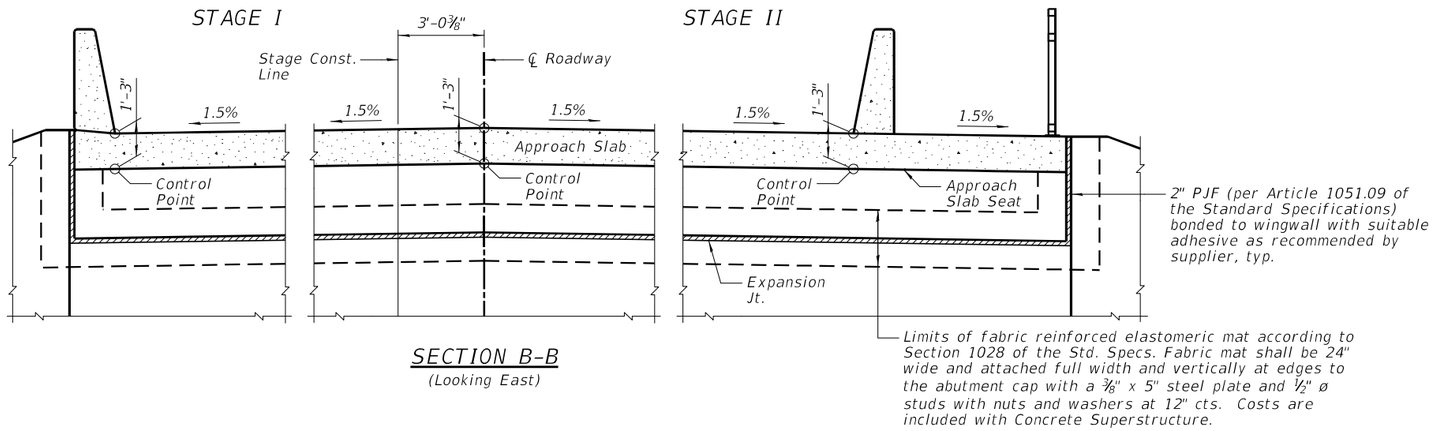
SECTION A-A

(Horizontal dimensions @ Rt. L's)



PLAN AT ABUTMENT

(Showing bottom flange of beam)



SECTION B-B

(Looking East)

NOTES:

1.) West Abutment shown. East Abutment similar.
2.) Reinforcement bars in diaphragm are billed with Superstructure on Sheet 15 of 42.
3.) Concrete in diaphragm is included with Concrete Superstructure on Sheet 15 of 42.
4.) For details of bars s10(E), s11(E) and u10(E), see Sheet 15 of 42.
5.) The s10(E), s11(E) and u10(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
6.) The approach slab seat shall have a constant slope determined from the control points shown.
7.) For bearing details, see Sheet 25 of 42.
8.) Beams shall be braced for stability until deck is poured and cured.
9.) E.E. denotes Each End.
10.) See Sheet 35 of 42 for Bar Splicer Details.

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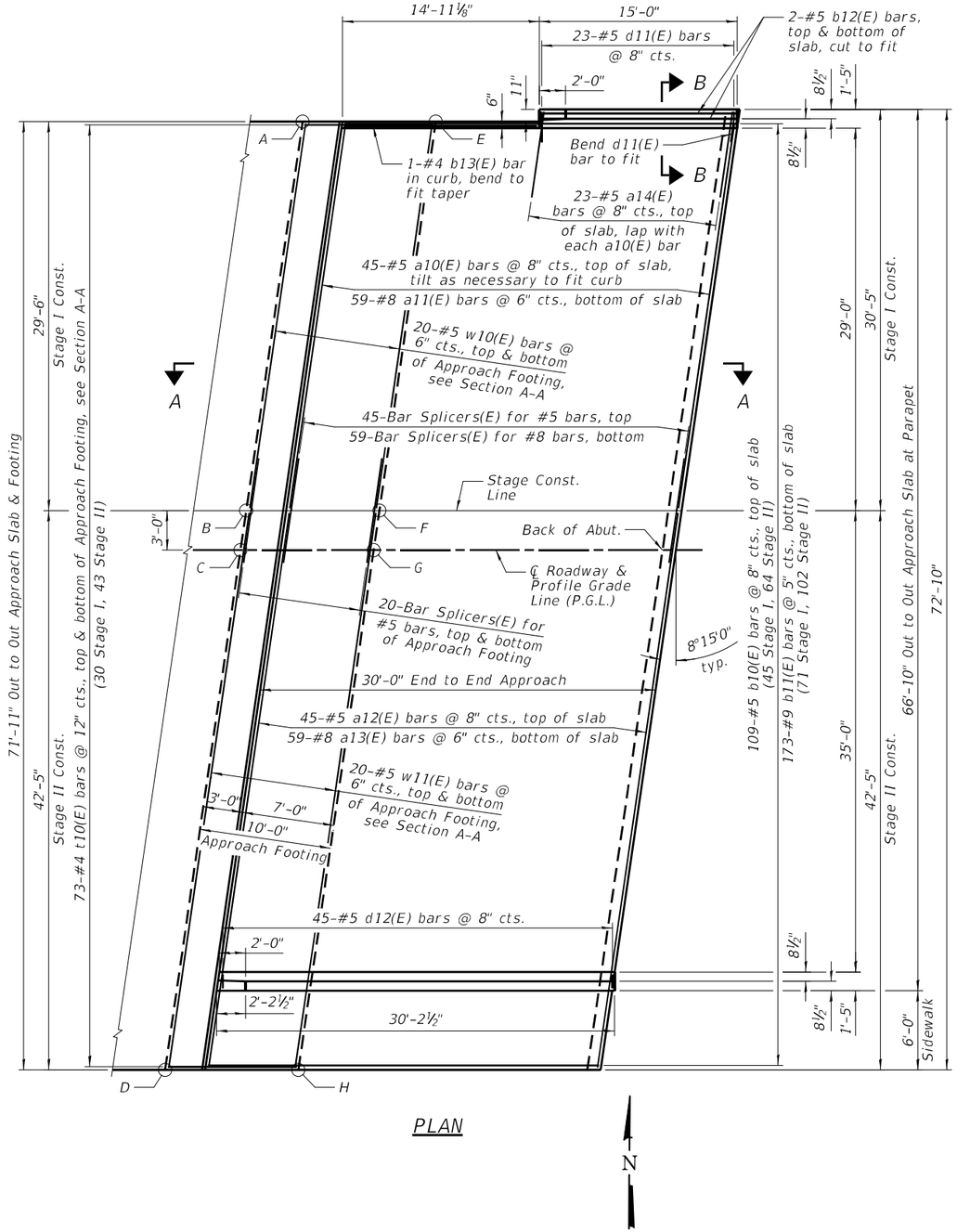
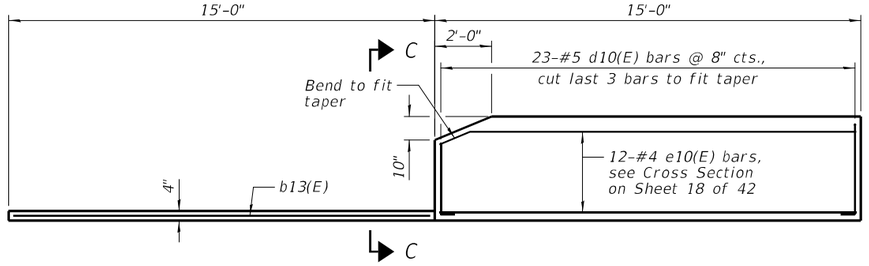
DIAPHRAGM DETAILS
STRUCTURE NO. 046-0155
SHEET NO. 16 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	84
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

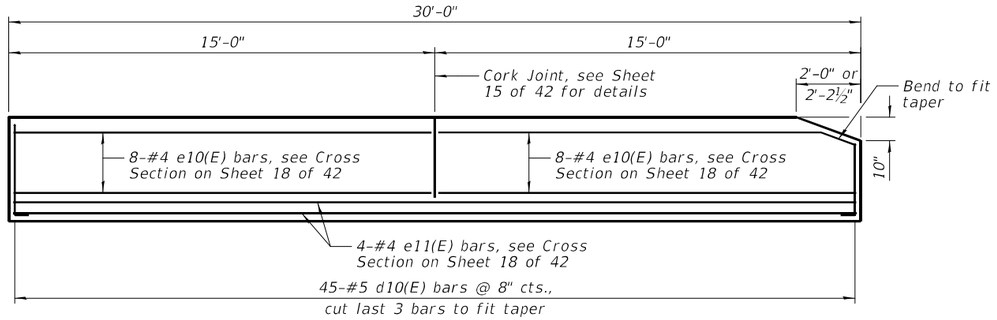


PLAN



INSIDE ELEVATION OF PARAPET AND CURB

(Looking North)

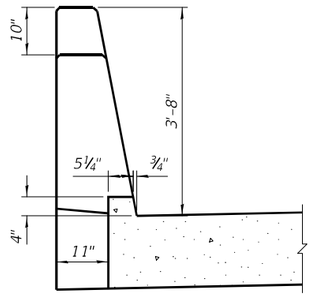


INSIDE ELEVATION OF INTERIOR PARAPET

(Looking South)

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

	WEST APPROACH	
POINT	TOP	BOTTOM
A	697.98	697.15
B	698.36	697.53
C	698.40	697.57
D	697.73	696.89
E	698.11	697.28
F	698.50	697.67
G	698.54	697.71
H	697.87	697.04



VIEW C-C

NOTES:

1.) See Sheet 18 of 42 for Cross Section, Section A-A and Section B-B.
2.) See Sheet 35 of 42 for Bar Splicer Details.

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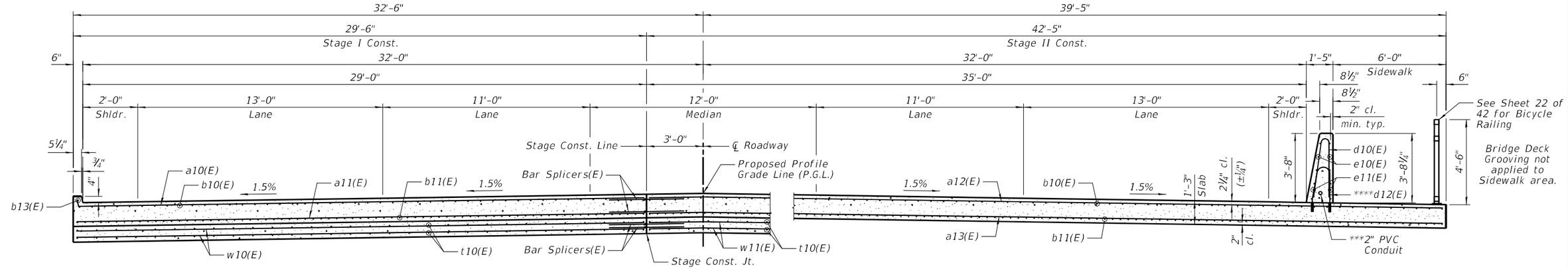
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 046-0155

SHEET NO. 17 OF 42 SHEETS

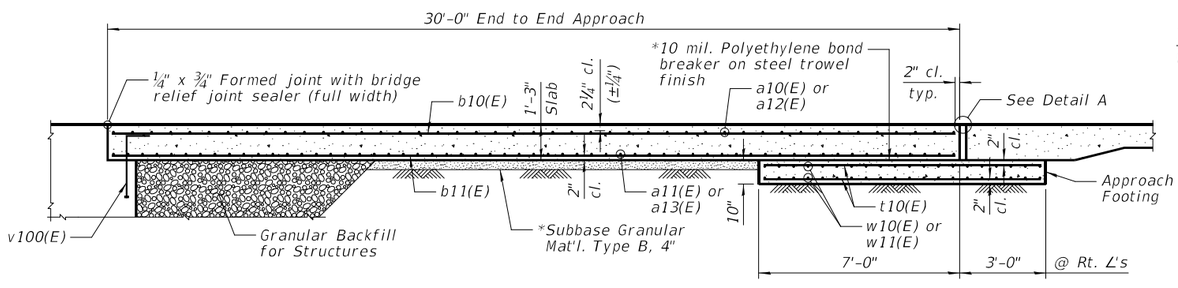
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	85
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			



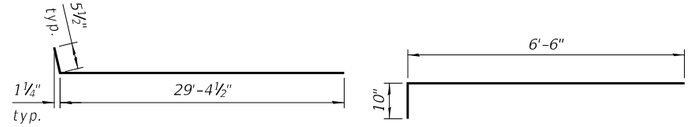
AT APPROACH FOOTING

CROSS SECTION
(Looking East)

NEAR ABUTMENT

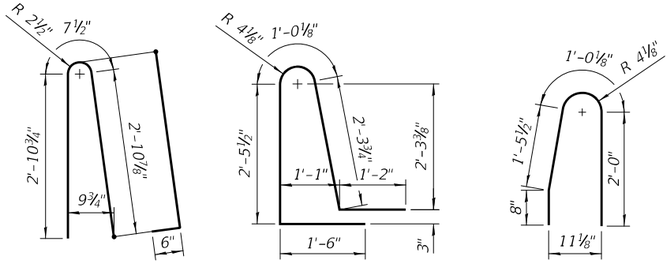


SECTION A-A



BAR a10(E)

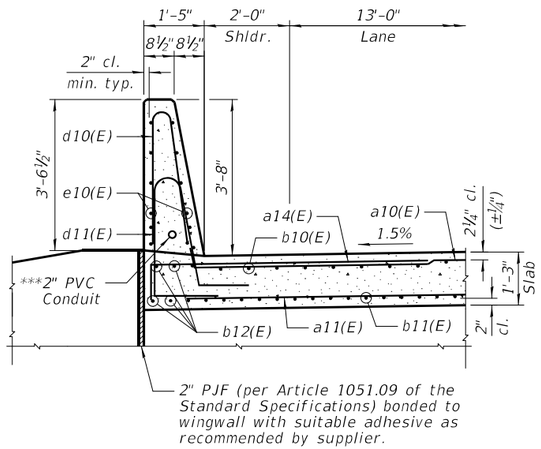
BAR a14(E)



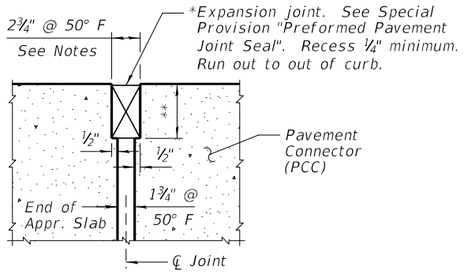
BAR d10(E)

BAR d11(E)

BAR d12(E)



SECTION B-B



DETAIL A
(@ Rt. ℄'s)

NOTES:

1.) *Cost included with Concrete Superstructure (Approach Slab).
2.) **Per manufacturer recommendations.
3.) ***Maintain 1½" minimum clearance from reinforcement.
4.) ****Drill and set #5 d12(E) bars according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of holes shall not exceed 6". Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.
5.) 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.
6.) Parapet concrete shall be paid for as Concrete Superstructure.
7.) Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
8.) Approach footing concrete shall be paid for as Concrete Structures.
9.) The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
10.) Cost of excavation for approach footing included with Concrete Structures.
11.) For Granular Backfill for Structures and drainage treatment details, see Sheet 2 of 42.
12.) See Sheet 35 of 42 for Bar Splicer Details.

WEST APPROACH BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	45	#5	29'-10"	
a11(E)	59	#8	29'-5"	
a12(E)	45	#5	42'-6"	
a13(E)	59	#8	42'-6"	
a14(E)	23	#5	7'-4"	
b10(E)	109	#5	29'-8"	
b11(E)	173	#9	29'-8"	
b12(E)	4	#5	14'-8"	
b13(E)	1	#4	14'-9"	
d10(E)	68	#5	6'-11"	
d11(E)	23	#5	8'-5"	
d12(E)	45	#5	5'-2"	
e10(E)	28	#4	14'-8"	
e11(E)	4	#4	29'-8"	
t10(E)	73	#4	9'-6"	
w10(E)	40	#5	29'-5"	
w11(E)	40	#5	42'-6"	

Item	Unit	Quantity
Concrete Structures	Cu. Yd.	22.4
Concrete Superstructure	Cu. Yd.	6.3
Bridge Deck Grooving	Sq. Yd.	207
Protective Coat	Sq. Yd.	237
Concrete Superstructure (Approach Slab)	Cu. Yd.	100.6
Reinforcement Bars, Epoxy Coated	Pound	28,250

Farnsworth GROUP
2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
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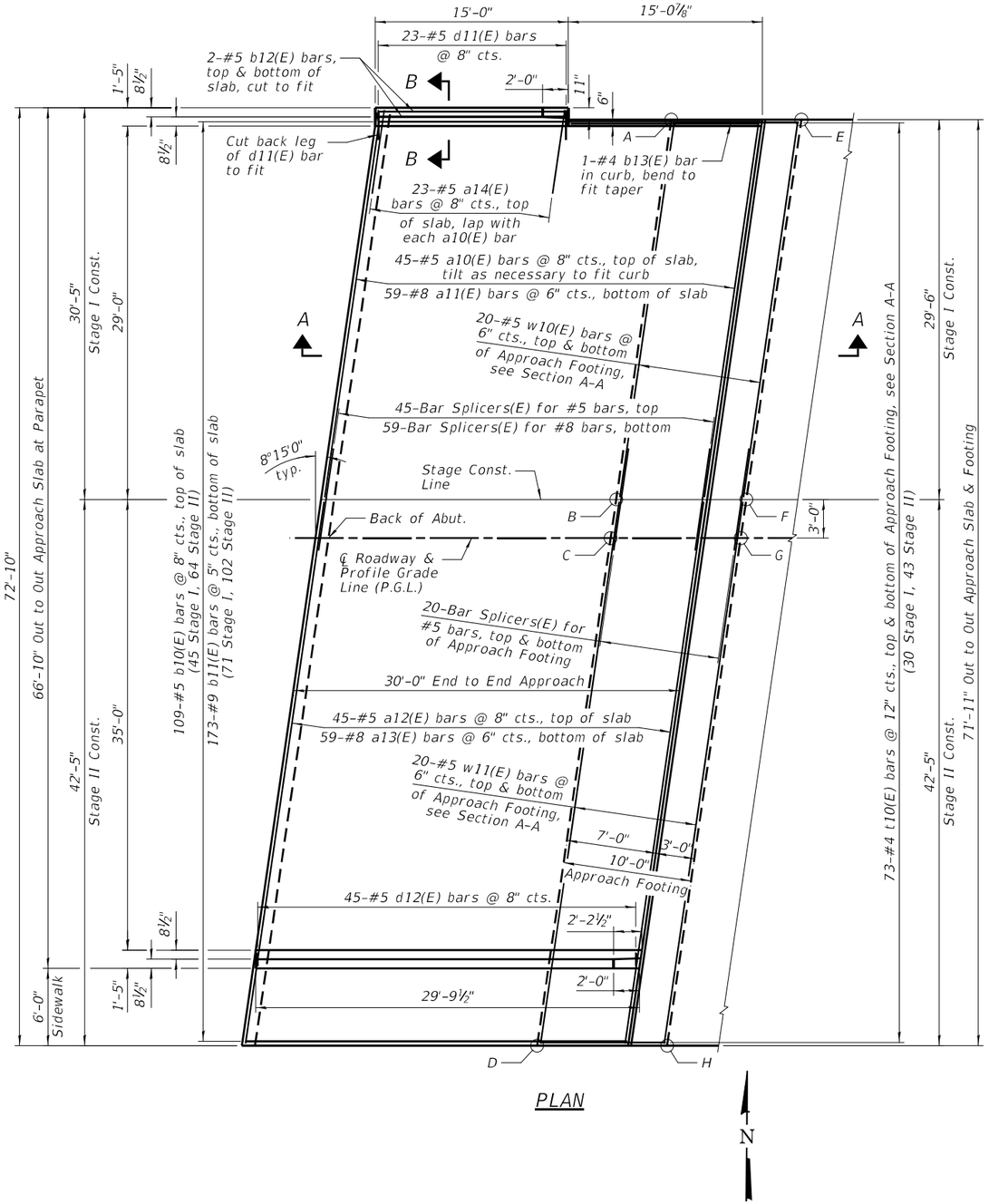
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

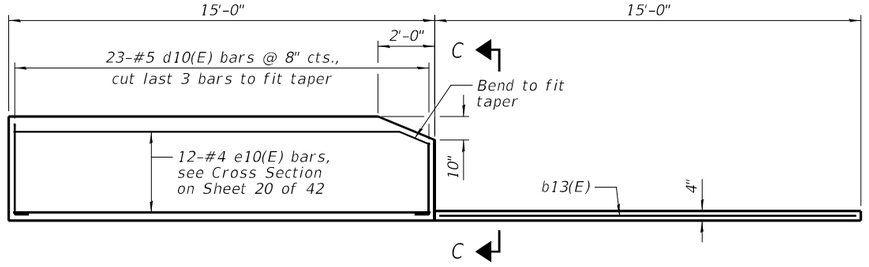
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 046-0155
SHEET NO. 18 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	86
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

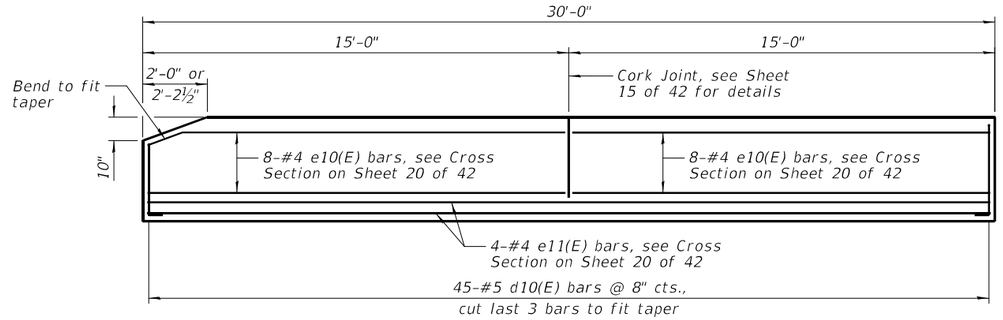


PLAN



INSIDE ELEVATION OF PARAPET AND CURB

(Looking North)

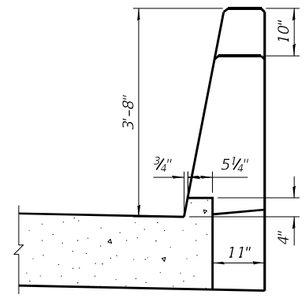


INSIDE ELEVATION OF INTERIOR PARAPET

(Looking South)

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

	EAST APPROACH	
POINT	TOP	BOTTOM
A	697.76	696.93
B	698.26	697.43
C	698.32	697.48
D	697.81	696.97
E	697.60	696.76
F	698.11	697.27
G	698.16	697.33
H	697.66	696.83



VIEW C-C

NOTES:

1.) See Sheet 20 of 42 for Cross Section, Section A-A and Section B-B.
2.) See Sheet 35 of 42 for Bar Splicer Details.

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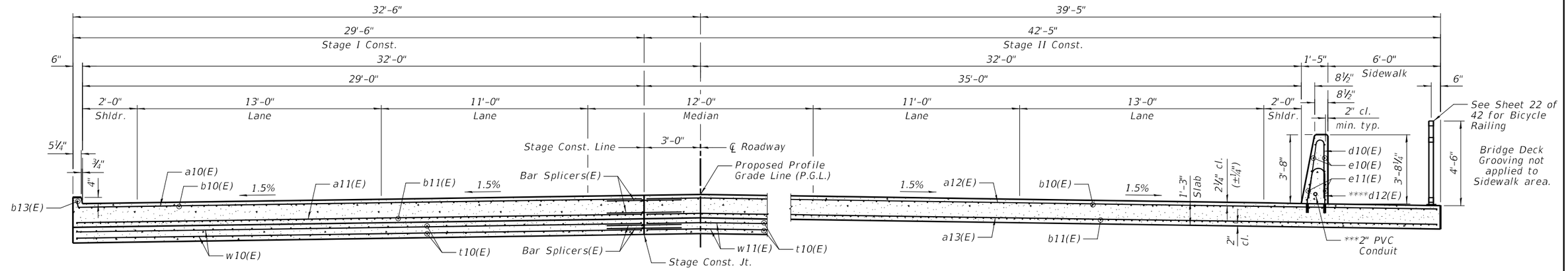
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 046-0155

SHEET NO. 19 OF 42 SHEETS

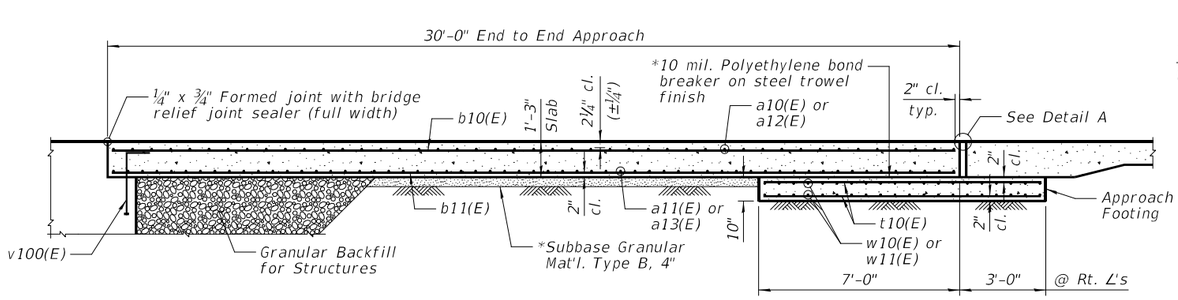
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	87
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



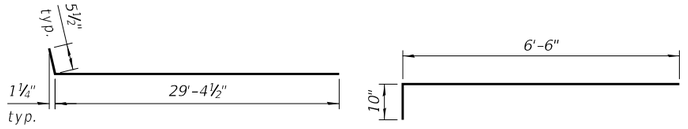
AT APPROACH FOOTING

CROSS SECTION
(Looking East)

NEAR ABUTMENT

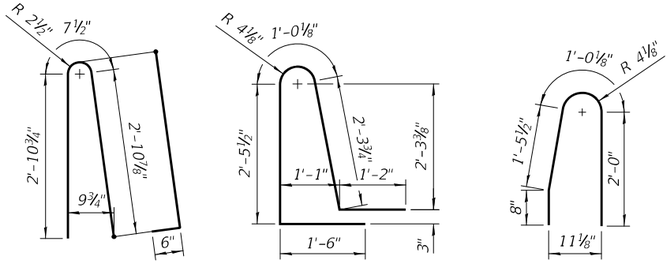


SECTION A-A



BAR a10(E)

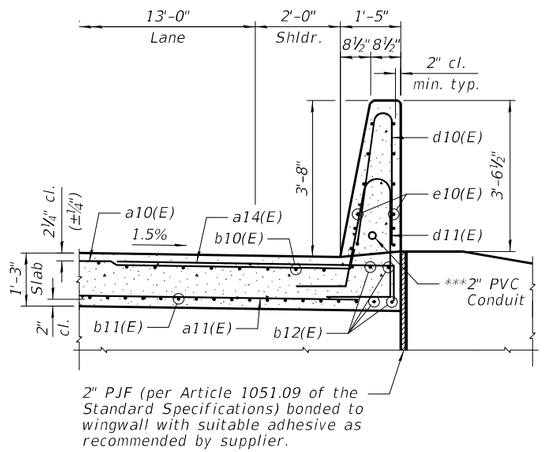
BAR a14(E)



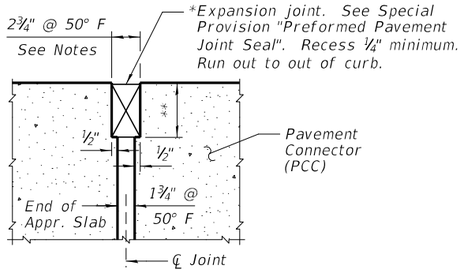
BAR d10(E)

BAR d11(E)

BAR d12(E)



SECTION B-B



DETAIL A
(@ Rt. ℄'s)

NOTES:

1.) *Cost included with Concrete Superstructure (Approach Slab).
2.) **Per manufacturer recommendations.
3.) ***Maintain 1½" minimum clearance from reinforcement.
4.) ****Drill and set #5 d12(E) bars according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of holes shall not exceed 6". Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.
5.) 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.
6.) Parapet concrete shall be paid for as Concrete Superstructure.
7.) Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
8.) Approach footing concrete shall be paid for as Concrete Structures.
9.) The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
10.) Cost of excavation for approach footing included with Concrete Structures.
11.) For Granular Backfill for Structures and drainage treatment details, see Sheet 2 of 42.
12.) See Sheet 35 of 42 for Bar Splicer Details.

EAST APPROACH BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	45	#5	29'-10"	
a11(E)	59	#8	29'-5"	
a12(E)	45	#5	42'-6"	
a13(E)	59	#8	42'-6"	
a14(E)	23	#5	7'-4"	
b10(E)	109	#5	29'-8"	
b11(E)	173	#9	29'-8"	
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b13(E)	1	#4	14'-9"	
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Item	Unit	Quantity
Concrete Structures	Cu. Yd.	22.4
Concrete Superstructure	Cu. Yd.	6.3
Bridge Deck Grooving	Sq. Yd.	207
Protective Coat	Sq. Yd.	237
Concrete Superstructure (Approach Slab)	Cu. Yd.	100.6
Reinforcement Bars, Epoxy Coated	Pound	28,250

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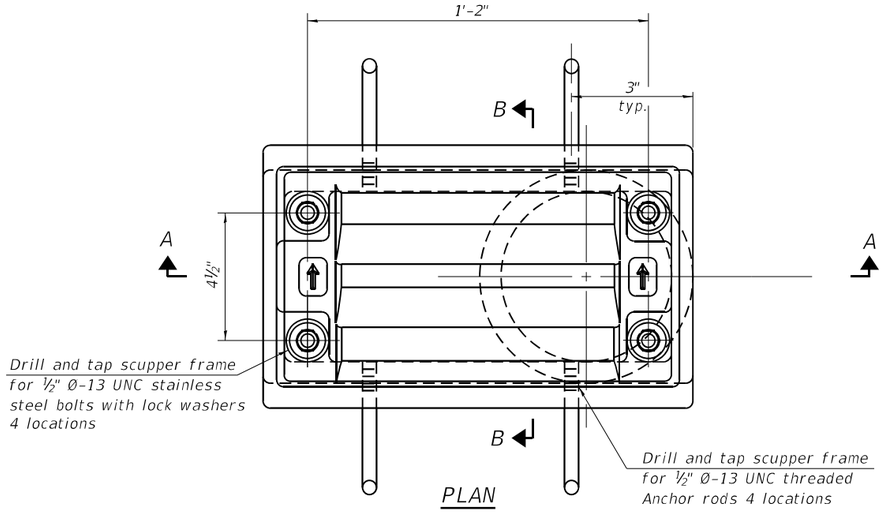
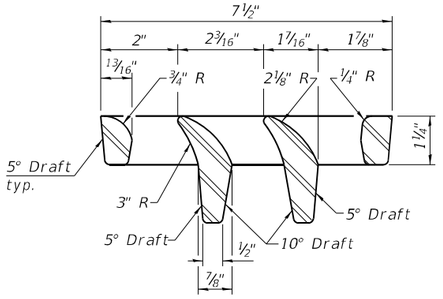
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 046-0155
SHEET NO. 20 OF 42 SHEETS

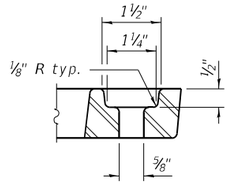
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	88
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



PLAN



VANE GRATE DETAIL



GRATE BOLT HOLE DETAIL

Notes:

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

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

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

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

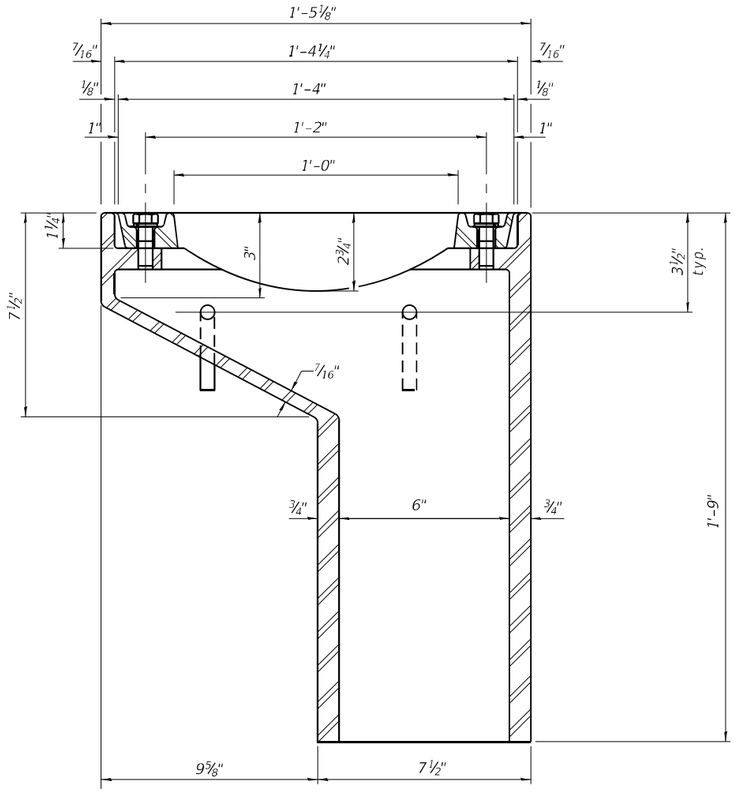
Structural steel scupper frames and downspouts, when utilized, shall be galvanized according to AASHTO M111.

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

Exterior surfaces of downspouts and exterior exposed surfaces of the scupper frame below deck shall be treated as specified on sheet 2 of 42.

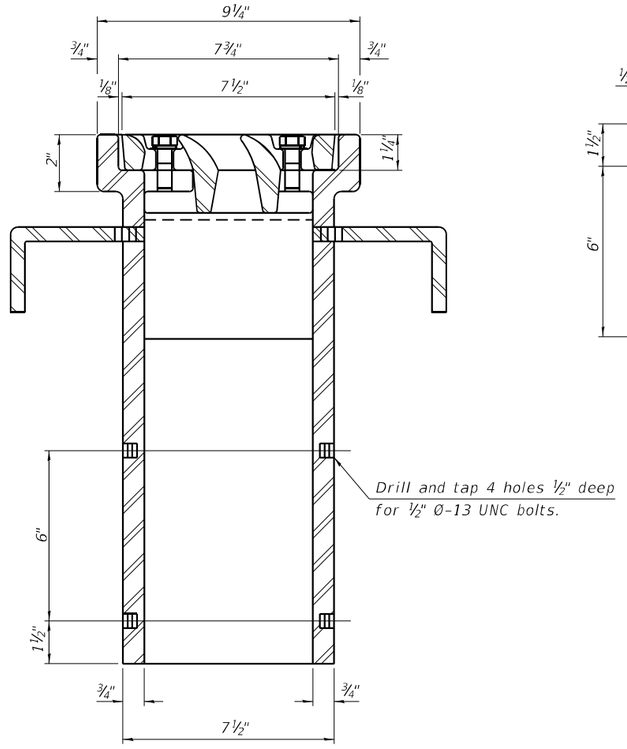
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

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

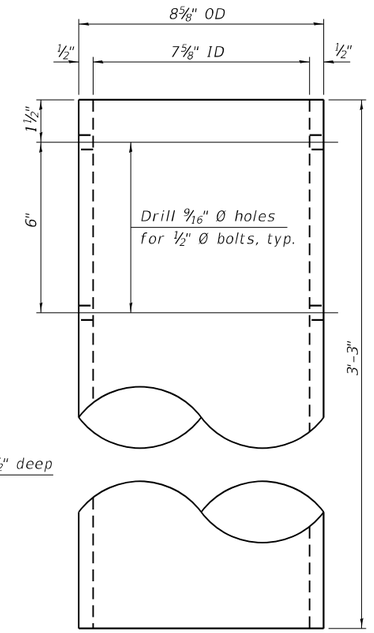


SECTION A-A

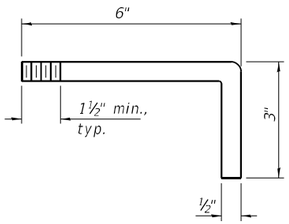
See sheet 14 of 42 for scupper location relative to parapet.



SECTION B-B



DOWNSPOUT



ANCHOR ROD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	8

DS-11 1-1-2020

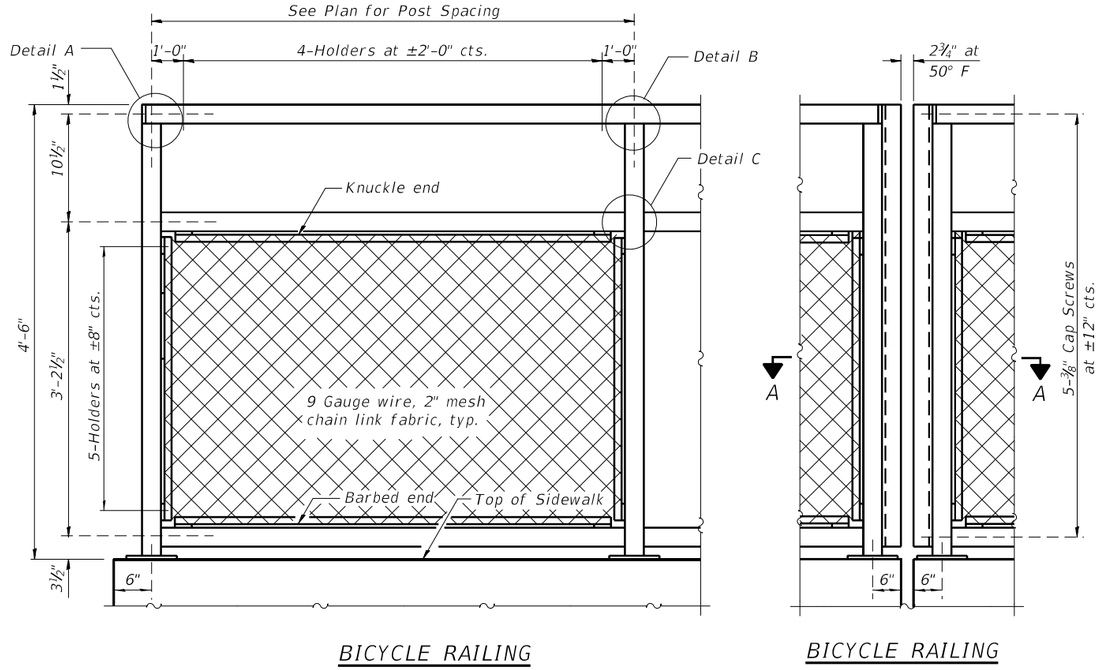
Farnsworth GROUP
2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

	DESIGNED - IJP/PMG	REVISED
	CHECKED - DAH	REVISED
	DRAWN - DJM	REVISED
DATE - 08/12/2021	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

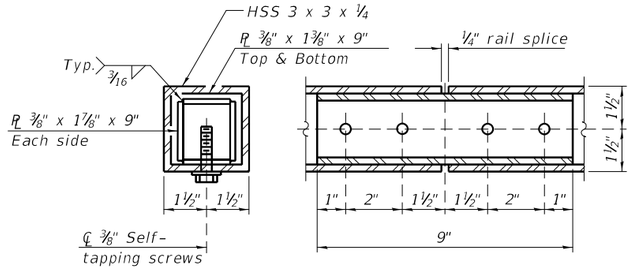
DRAINAGE SCUPPER, DS-11
STRUCTURE NO. 046-0155
SHEET NO. 21 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	89
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

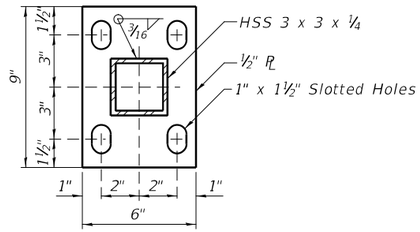


BICYCLE RAILING

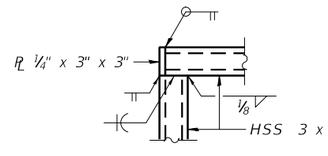
BICYCLE RAILING



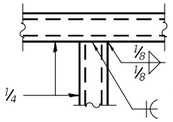
RAIL SPLICE



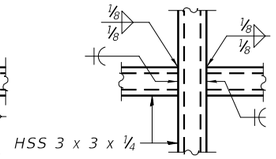
BASE PL



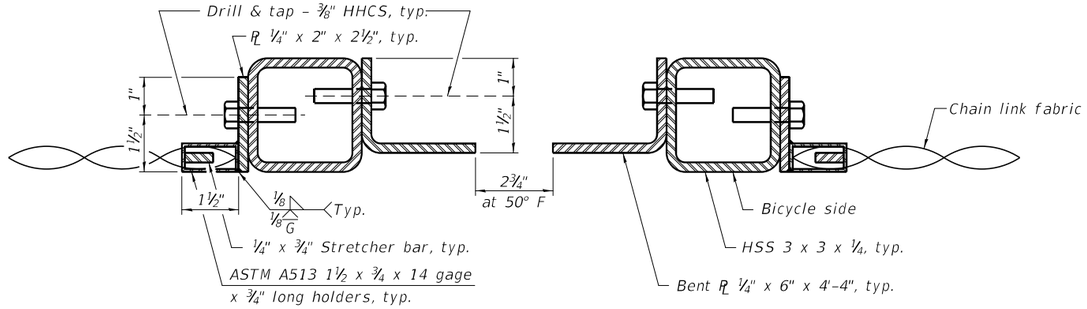
DETAIL A



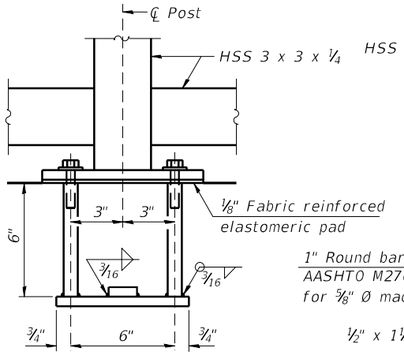
DETAIL B

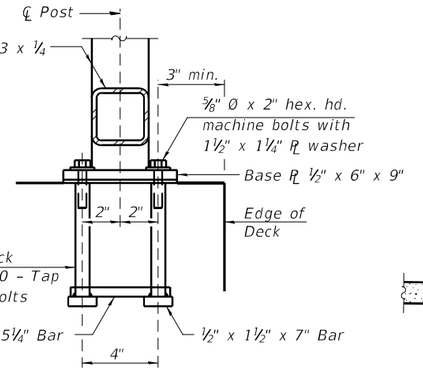


DETAIL C



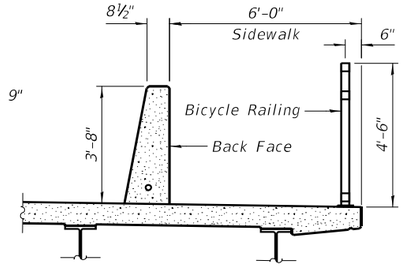
SECTION A-A



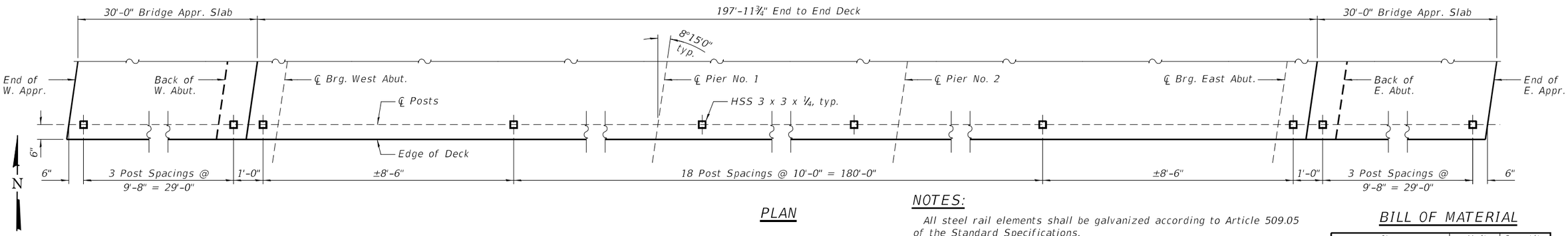


ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



SECTION THRU DECK



PLAN

(10'-0" Maximum Post Spacing)

NOTES:

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.

CVN testing may be omitted for the Bicycle Railing.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	258

Farnsworth GROUP
2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

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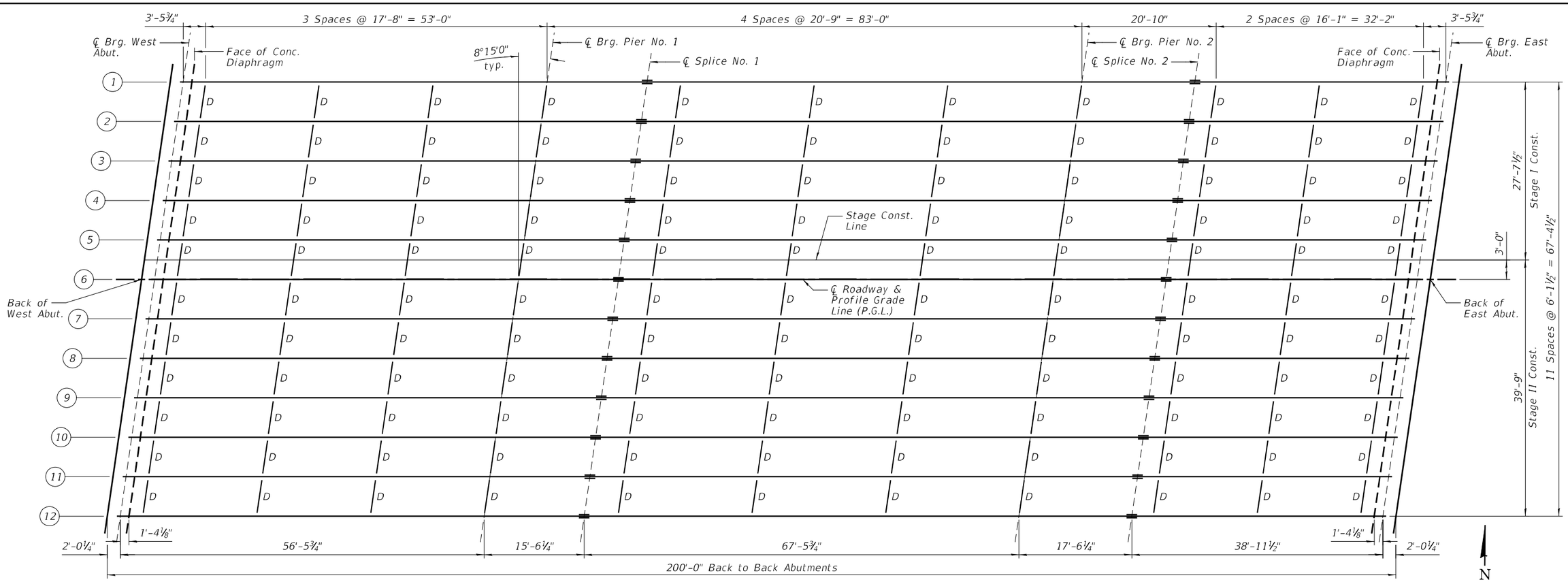
	CHECKED - DAH	REVISED
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

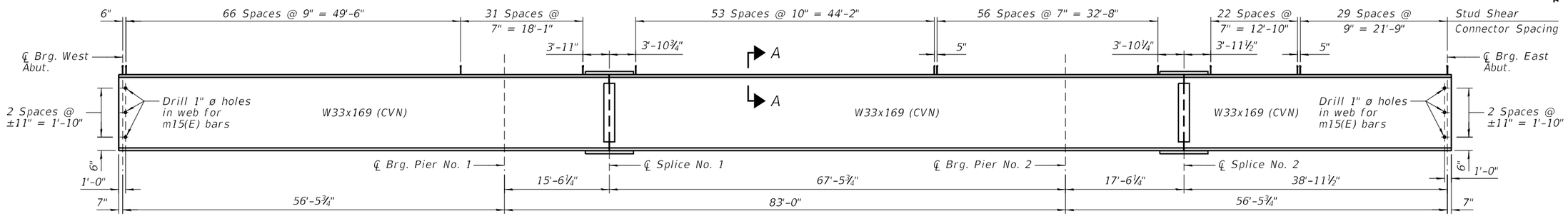
BICYCLE RAILING
STRUCTURE NO. 046-0155

SHEET NO. 22 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	90
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			



PLAN



ELEVATION

FABRICATED TOP OF BEAM ELEVATION TABLE

Location	Beam No. 1	Beam No. 2	Beam No. 3	Beam No. 4	Beam No. 5	Beam No. 6	Beam No. 7	Beam No. 8	Beam No. 9	Beam No. 10	Beam No. 11	Beam No. 12
℄ Brg. W. Abut.	698.94	699.02	699.10	699.19	699.27	699.35	699.25	699.15	699.05	698.95	698.85	698.74
℄ Pier No. 1	699.19	699.28	699.37	699.46	699.55	699.63	699.54	699.44	699.35	699.25	699.16	699.06
℄ Splice No. 1	699.26	699.35	699.44	699.53	699.62	699.71	699.62	699.48	699.39	699.30	699.20	699.11
℄ Pier No. 2	699.02	699.11	699.21	699.31	699.41	699.50	699.42	699.33	699.24	699.15	699.07	698.98
℄ Splice No. 2	698.95	699.05	699.15	699.25	699.35	699.45	699.36	699.28	699.19	699.11	699.02	698.94
℄ Brg. E. Abut.	698.66	698.76	698.86	698.97	699.07	699.17	699.09	699.01	698.93	698.85	698.77	698.68

For fabrication use only.

NOTES:

1.) See Sheet 24 of 42 for Section A-A, Diaphragm Details & Splice Details.
2.) All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted.
Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
3.) All structural steel shall be AASHTO M 270 Grade 50W.
4.) CVN denotes Charpy-V Notch Impact Energy Requirements, Zone 2.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL
STRUCTURE NO. 046-0155
SHEET NO. 23 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	91
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

INTERIOR BEAM MOMENT TABLE						
		0.4 Sp. 1	Pier No. 1	0.5 Sp. 2	Pier No. 2	0.6 Sp. 3
I_S	(in^4)	9,290	9,290	9,290	9,290	9,290
$I_C(n)$	(in^4)	23,590		23,590		23,590
$I_C(3n)$	(in^4)	17,284		17,284		17,284
$I_C(cr)$	(in^4)		11,812		11,812	
S_S	(in^3)	549	549	549	549	549
$S_C(n)$	(in^3)	781		781		781
$S_C(3n)$	(in^3)	706		706		706
$S_C(cr)$	(in^3)		609		609	
DC1	(k/')	0.809	0.809	0.809	0.809	0.809
M_{DC1}	('k)	147	420	276	420	147
DC2	(k/')	0.102	0.102	0.102	0.102	0.102
M_{DC2}	('k)	17	53	35	53	17
DW	(k/')	0.267	0.267	0.267	0.267	0.267
M_{DW}	('k)	45	138	92	138	45
LLDF		0.5777	0.5569	0.5404	0.5569	0.5777
$M_{L + IM}$	('k)	618	718	713	718	618
M_u (Strength I)	('k)	1,354	2,055	1,775	2,055	1,354
$ø_f\ M_n$	('k)	4,001		4,001		4,001
f_s DC1	(ksi)	3.2	9.2	6.0	9.2	3.2
f_s DC2	(ksi)	0.3	1.0	0.6	1.0	0.3
f_s DW	(ksi)	0.8	2.7	1.6	2.7	0.8
f_s (L + IM)	(ksi)	9.5	14.1	11.0	14.1	9.5
f_s (Service II)	(ksi)	16.6	31.3	22.4	31.3	16.6
$0.95R_h\ F_{yf}$	(ksi)	47.5	47.5	47.5	47.5	47.5
f_s (Total)(Strength I)	(ksi)	22.1	41.6	29.8	41.6	22.1
$ø_f\ F_n$	(ksi)		50.0		50.0	
V_f	(k)	54.2	60.4	53.8	60.4	54.2

BEAM REACTION TABLE					
		Abut.		Pier	
		Interior	Exterior	Interior	Exterior
LLDF		0.680	0.501	0.680	0.501
OCF			1.028		
R_{DC1}	(k)	25.0	23.9	63.8	60.1
R_{DC2}	(k)	16.6	16.6	8.1	8.1
R_{DW}	(k)	5.1	5.1	21.0	21.0
R_L	(k)	51.8	41.2	103.0	82.5
R_{IM}	(k)	12.9	10.2	20.8	16.5
R_{Total}	(k)	111.4	97.1	216.7	188.2

Note: The approach slab dead load is included in R_{DC2} .

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

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

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

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

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

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

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

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

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

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

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

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (MDC1 + MDC2) + 1.5\ MDW + 1.75\ M_{L+IM}$

$ø_f\ M_n$: 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).
MDC1/ Snc

f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
MDC2/ Sc(3n) or MDC2/ Sc(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).
MDW/ Sc(3n) or MDW/ Sc(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} / Sc(n) or M_{L+IM} / Sc(cr) as applicable.

f_s (Service II): Sum of stresses as computed below (ksi).
$fsDC1 + fsDC2 + fsDW + 1.3\ fs(L+IM)$

$0.95R_h\ F_{yf}$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

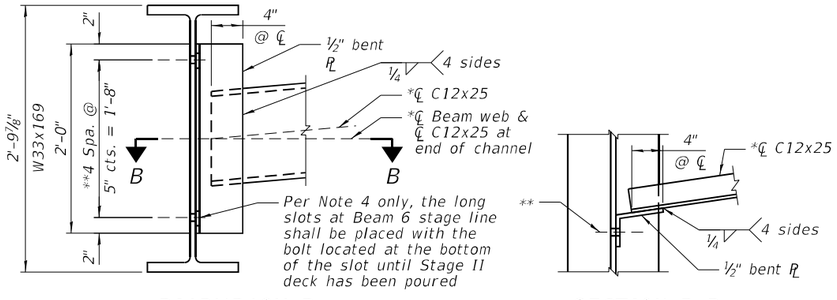
f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
$1.25\ (fsDC1 + fsDC2) + 1.5\ fsDW + 1.75\ fs(L+IM)$

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

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

LLDF: Live Load Distribution Factor

OCF: Obtuse Correction Factor



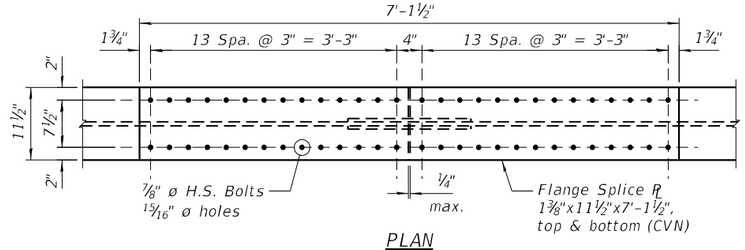
DIAPHRAGM D

(121 - Required)

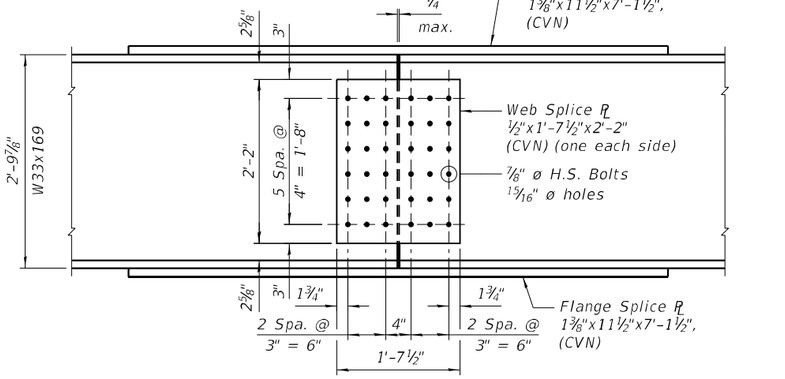
SECTION B-B

NOTES:

1.) Two hardened washers required for each set of oversized holes.
2.) *Alternate channel C12x30 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on C12x25 section. The alternate, if utilized, shall be provided at no additional cost to the Department.
3.) **¾" ø HS bolts, $^{15}/_{16}$" ø holes.
4.) Diaphragm connection at the stage line shall provide $^{13}/_{16}$" by 1⅞" standard long slots on the leg of the ½" bent plate (adjacent to beam web) on Beam 6 side of the diaphragm. $^{15}/_{16}$" diameter standard oversized holes shall be placed on the Beam 5 stage line ½" bent plate. Bolts in slots shall be finger tight until the second stage pour is complete, and position slots so bolts start at one end with no concrete load and finish near the opposite end under deck load, allowing maximum displacement without laterally stressing main members.



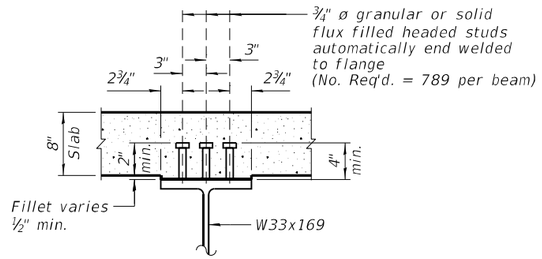
PLAN



ELEVATION

SPLICE DETAIL

(24 - Required)



SECTION A-A

NOTES:

1.) See Sheet 23 of 42 for Section A-A, Diaphragm Details & Splice Details.
2.) All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
3.) All structural steel shall be AASHTO M 270 Grade 50W.
4.) CVN denotes Charpy-V Notch Impact Energy Requirements, Zone 2.

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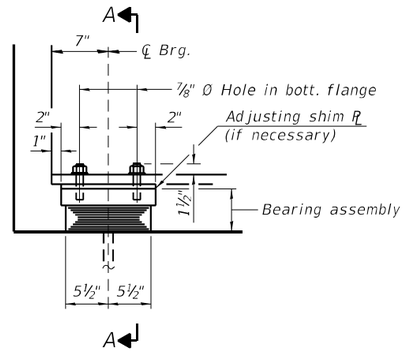
	DRAWN - DJM	REVISED
DATE - 08/12/2021	CHECKED - JML	REVISED

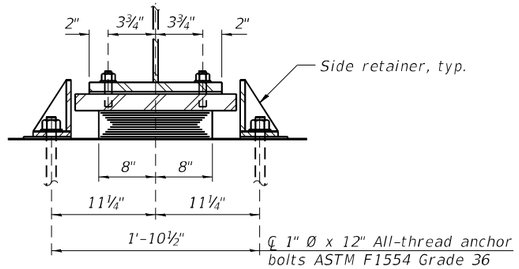
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL
STRUCTURE NO. 046-0155
SHEET NO. 24 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	92
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



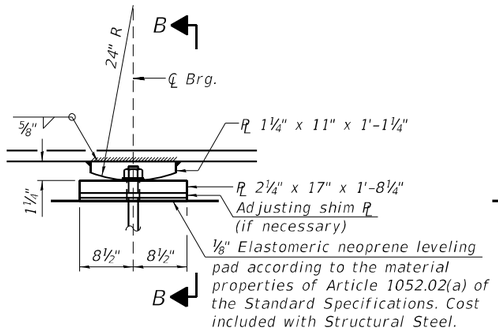
ELEVATION AT ABUT.



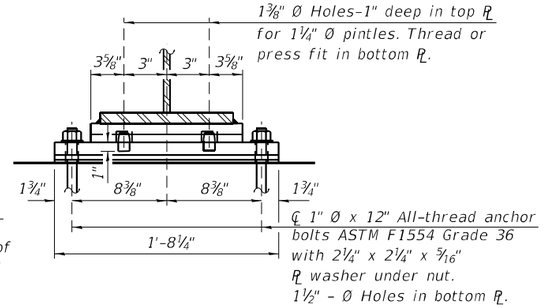
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

(At West Abutment - 12 Required)
(At East Abutment - 12 Required)



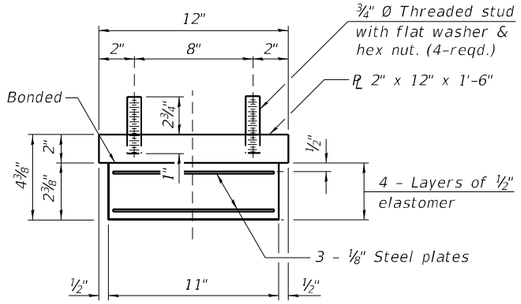
ELEVATION AT PIER



SECTION B-B

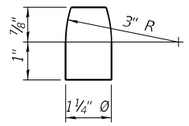
FIXED BEARING

(At Pier No. 1 - 12 Required)
(At Pier No. 2 - 12 Required)



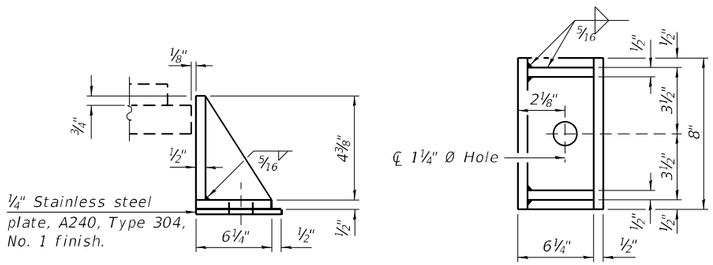
BEARING ASSEMBLY

Notes:
Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
Two ⅛" adjustment shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on Bearing Details.



PINTLE

Note:
Shim plates shall not be placed under bearing assembly.



SIDE RETAINER

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

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	24
Anchor Bolts, 1"	Each	96

I-2E-1

6-15-2019

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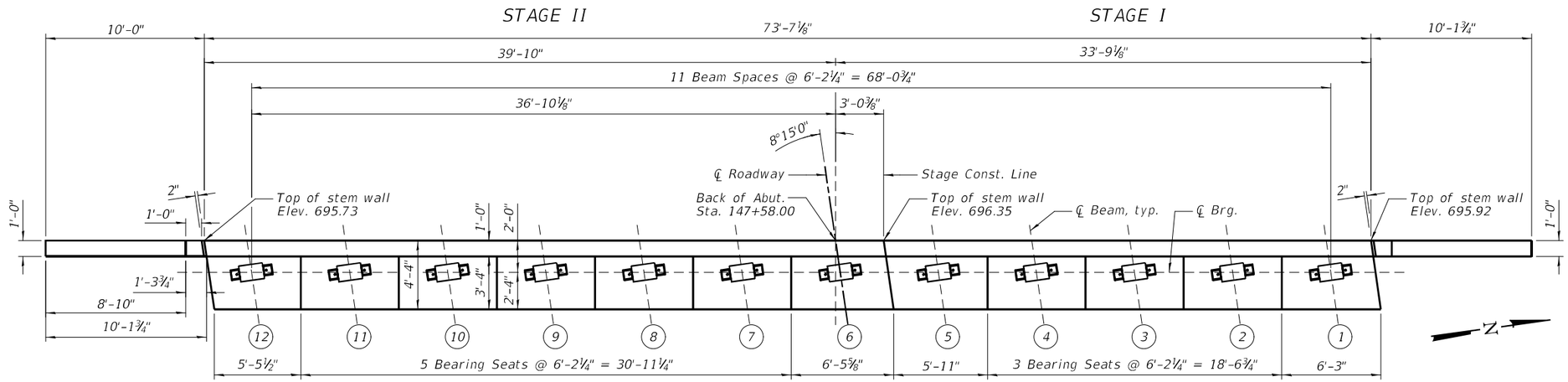
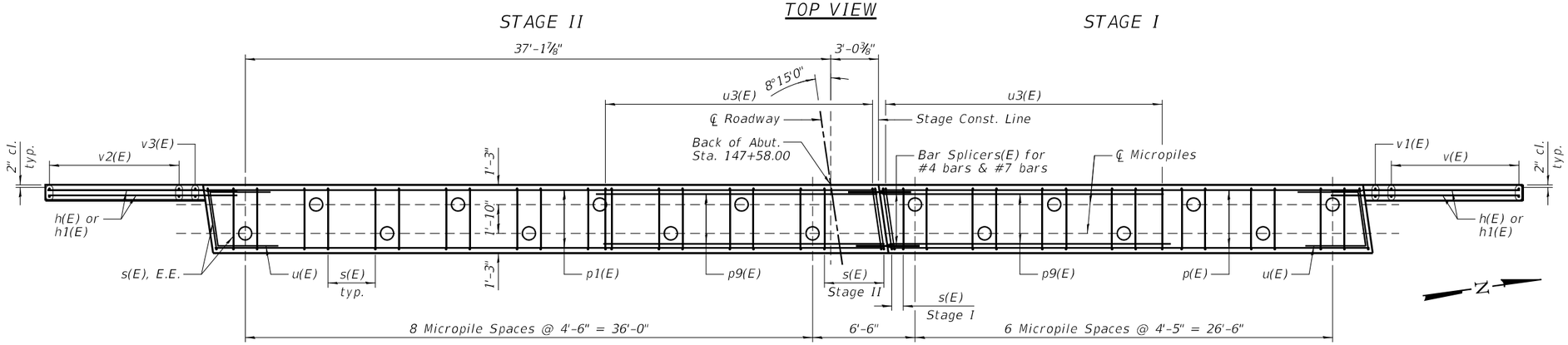
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 046-0155
SHEET NO. 25 OF 42 SHEETS

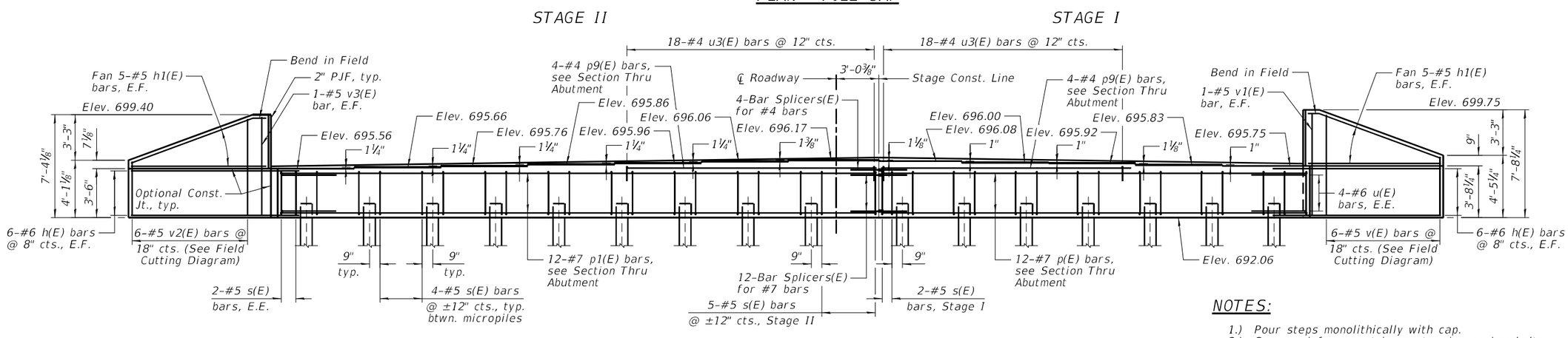
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	93
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



TOP VIEW



PLAN - PILE CAP



ELEVATION

(Looking West)

MICROPILE DATA

See Sheet 34 of 42 for information.

NOTES:

1.) Pour steps monolithically with cap.
2.) Space reinforcement in cap to miss anchor bolts.
3.) E.F. denotes Each Face and E.E. denotes Each End.
4.) See Sheet 27 of 42 for Section Thru Abutment, Bill of Material, Field Cutting Diagram & Bar Bending Diagrams.
5.) See Sheet 25 of 42 for Bearing Details.
6.) See Sheet 35 of 42 for Bar Splicer Details.

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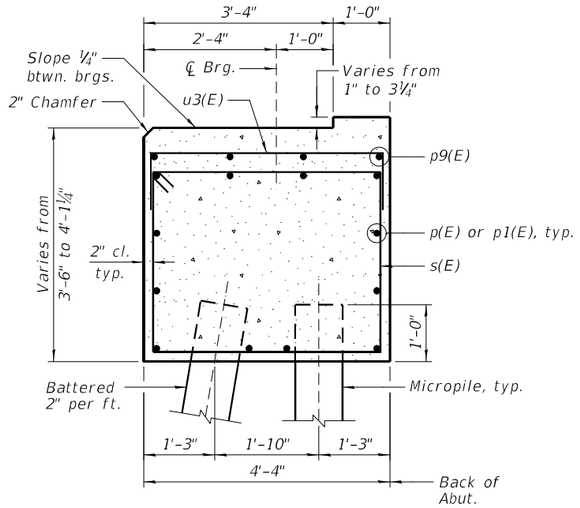
DEPARTMENT OF TRANSPORTATION

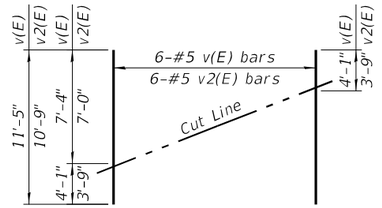
WEST ABUTMENT
STRUCTURE NO. 046-0155
SHEET NO. 26 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	94
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



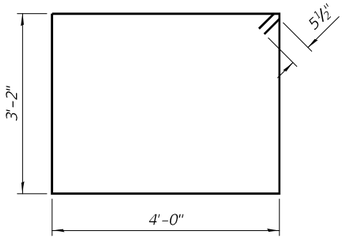
SECTION THRU ABUTMENT

(Horiz. dimensions @ Rt. ∠'s)

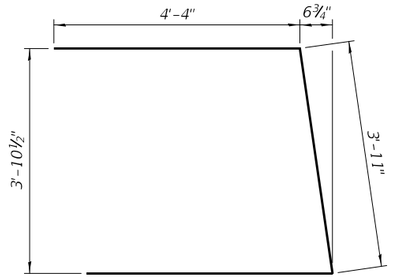


FIELD CUTTING DIAGRAM

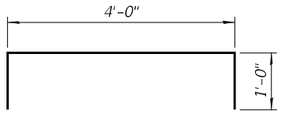
Order v(E) & v2(E) bars full length. Cut as shown and use remainder of bars in opposite face.



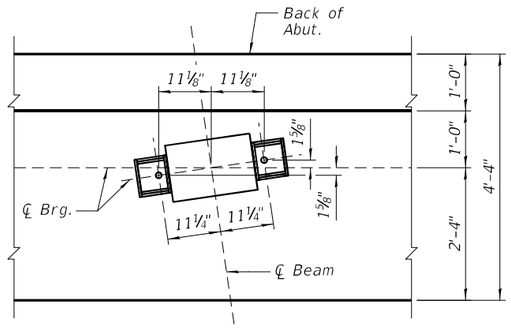
BAR s(E)



BAR u(E)



BAR u3(E)



TYPICAL ANCHOR BOLT PLACEMENT DETAIL

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#6	14'-0"	——
h1(E)	20	#5	9'-8"	——
p(E)	12	#7	30'-4"	——
p1(E)	12	#7	42'-6"	——
p9(E)	8	#4	17'-11"	——
s(E)	67	#5	15'-3"	□
u(E)	8	#6	12'-7"	⌐
u3(E)	36	#4	6'-0"	⊓
v(E)	12	#5	11'-6"	——
v1(E)	2	#5	7'-4"	——
v2(E)	12	#5	10'-9"	——
v3(E)	2	#5	7'-0"	——

Item	Unit	Quantity
Structure Excavation	Cu. Yd.	114
Concrete Structures	Cu. Yd.	50.9
Reinforcement Bars, Epoxy Coated	Pound	4,300
Geocomposite Wall Drain	Sq. Yd.	63
Micro-Piles	Each	16
Micro-Pile Load Test	Each	1
Micro-Pile Proof Load Test	Each	16
Granular Backfill for Structures	Cu. Yd.	105
Pipe Underdrains for Structures 4"	Foot	125

NOTES:

1.) See Sheet 25 of 42 for Bearing Details.
2.) See Sheet 34 of 42 for Micropile Details.

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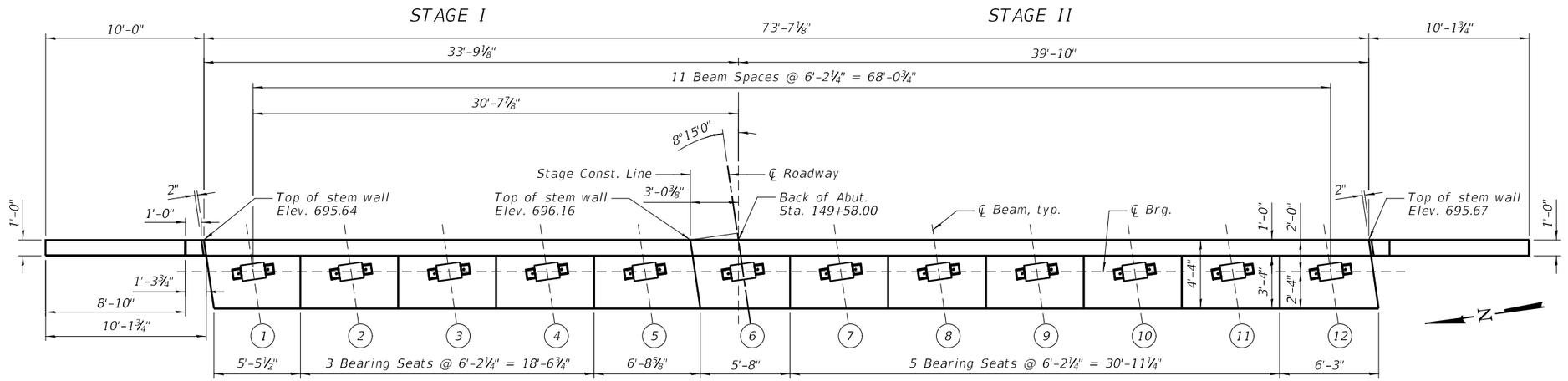
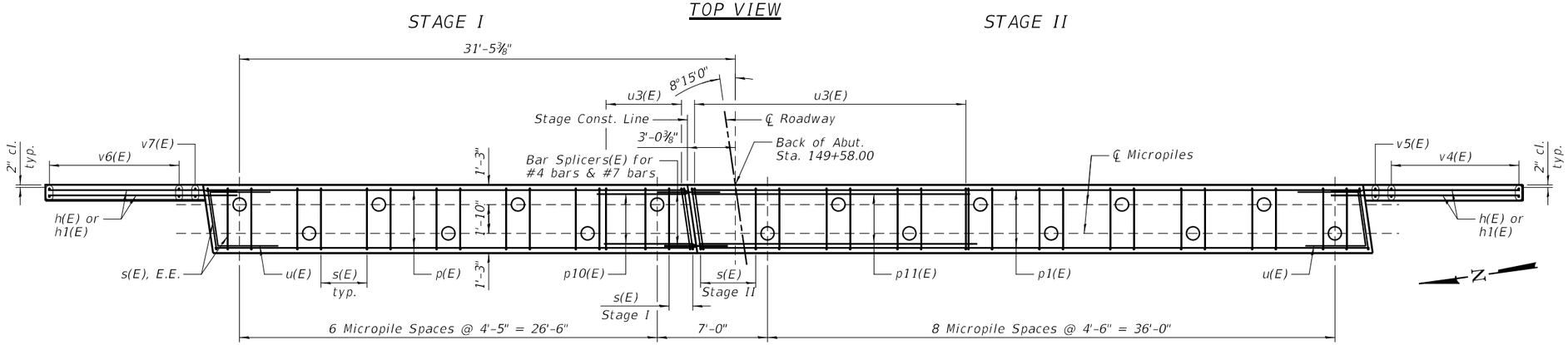
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 046-0155
SHEET NO. 27 OF 42 SHEETS

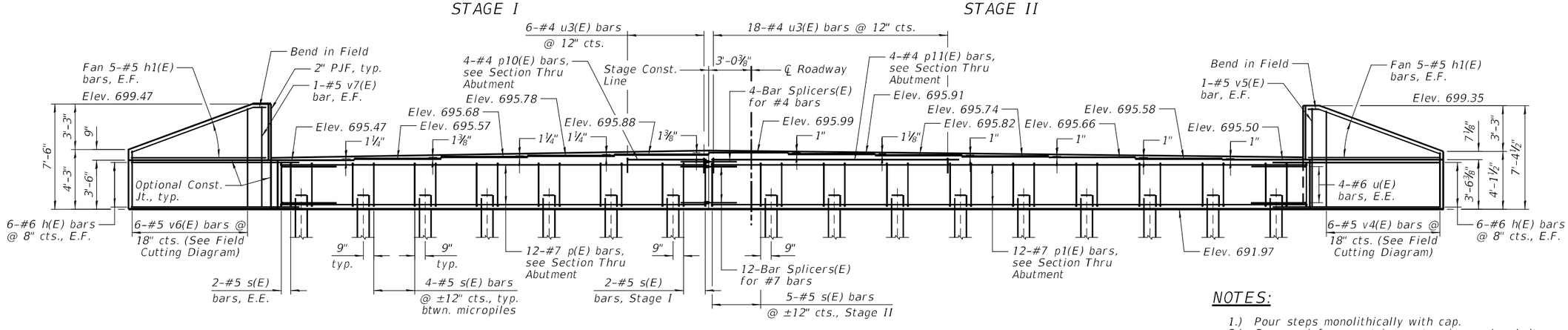
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	95
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			



TOP VIEW



PLAN - PILE CAP



ELEVATION

(Looking East)

MICROPILE DATA

See Sheet 34 of 42 for information.

NOTES:

1.) Pour steps monolithically with cap.
2.) Space reinforcement in cap to miss anchor bolts.
3.) E.F. denotes Each Face and E.E. denotes Each End.
4.) See Sheet 29 of 42 for Section Thru Abutment, Bill of Material, Field Cutting Diagram & Bar Bending Diagrams.
5.) See Sheet 25 of 42 for Bearing Details.
6.) See Sheet 35 of 42 for Bar Splicer Details.

Farnsworth GROUP
2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

	DESIGNED - IIP/PMG	REVISED	
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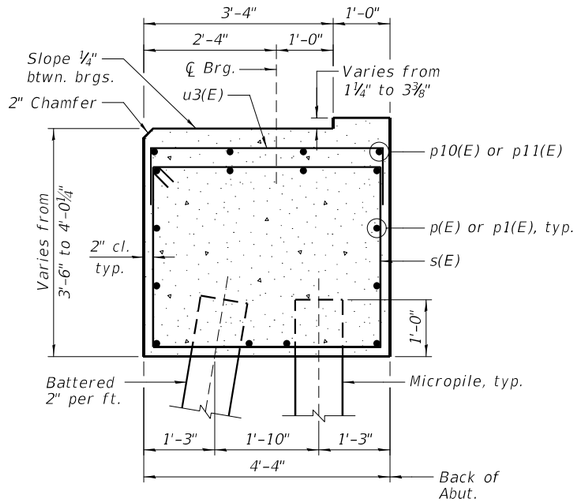
	DRAWN - DJM	REVISED	
DATE - 06/19/20	CHECKED - JML	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

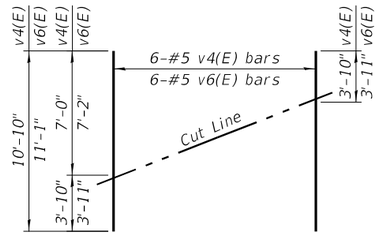
EAST ABUTMENT
STRUCTURE NO. 046-0155
SHEET NO. 28 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	96
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



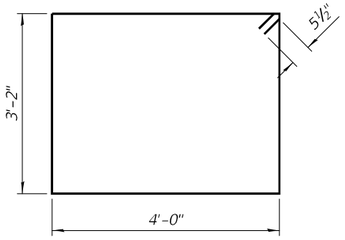
SECTION THRU ABUTMENT

(Horiz. dimensions @ Rt. ∠'s)

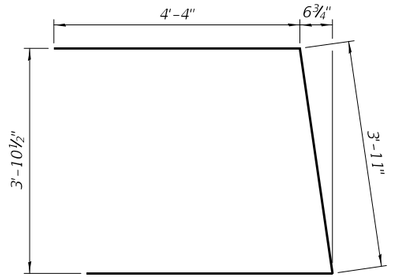


FIELD CUTTING DIAGRAM

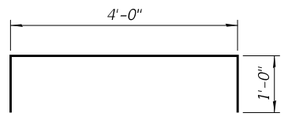
Order v4(E) & v6(E) bars full length. Cut as shown and use remainder of bars in opposite face.



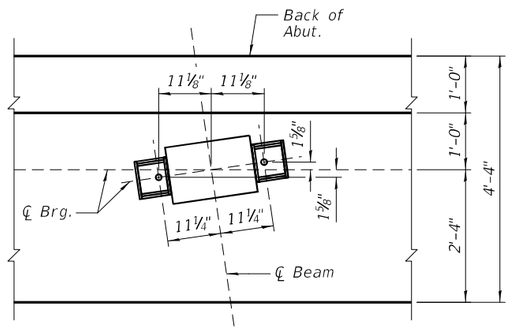
BAR s(E)



BAR u(E)



BAR u3(E)



TYPICAL ANCHOR BOLT PLACEMENT DETAIL

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#6	14'-0"	——
h1(E)	20	#5	9'-8"	——
p(E)	12	#7	30'-4"	——
p1(E)	12	#7	42'-6"	——
p10(E)	4	#7	5'-10"	——
p11(E)	4	#4	17'-8"	——
s(E)	67	#5	15'-3"	□
u(E)	8	#6	12'-7"	⌐
u3(E)	24	#4	6'-0"	⊓
v4(E)	12	#5	10'-10"	——
v5(E)	2	#5	7'-0"	——
v6(E)	12	#5	11'-1"	——
v7(E)	2	#5	6'-10"	——

Item	Unit	Quantity
Structure Excavation	Cu. Yd.	116
Concrete Structures	Cu. Yd.	48.3
Reinforcement Bars, Epoxy Coated	Pound	4,200
Geocomposite Wall Drain	Sq. Yd.	60
Micro-Piles	Each	16
Micro-Pile Load Test	Each	1
Micro-Pile Proof Load Test	Each	16
Granular Backfill for Structures	Cu. Yd.	105
Pipe Underdrains for Structures 4"	Foot	125

NOTES:

1.) See Sheet 25 of 42 for Bearing Details.
2.) See Sheet 34 of 42 for Micropile Details.

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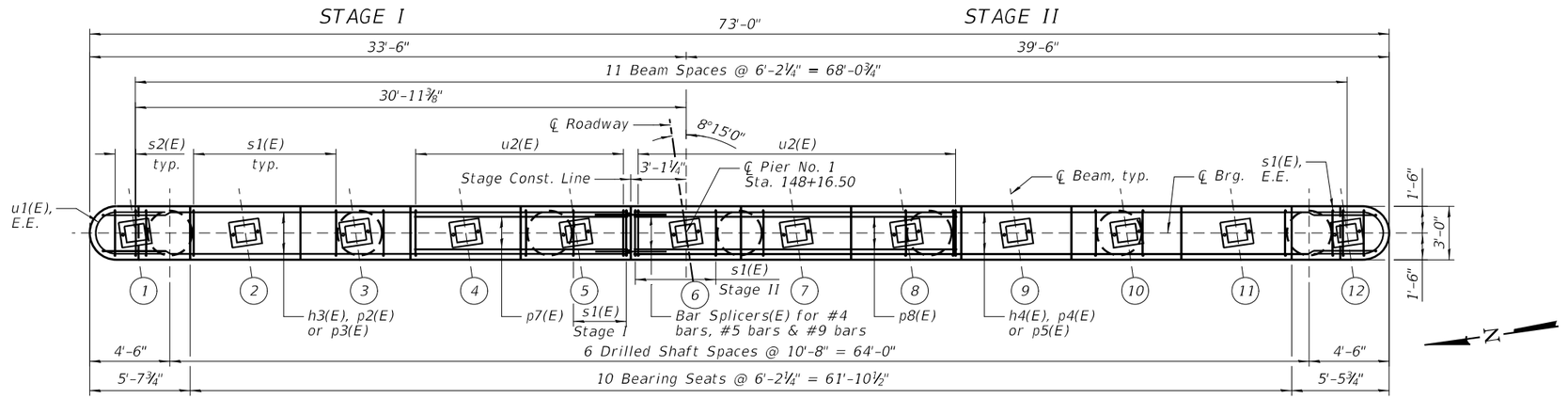
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

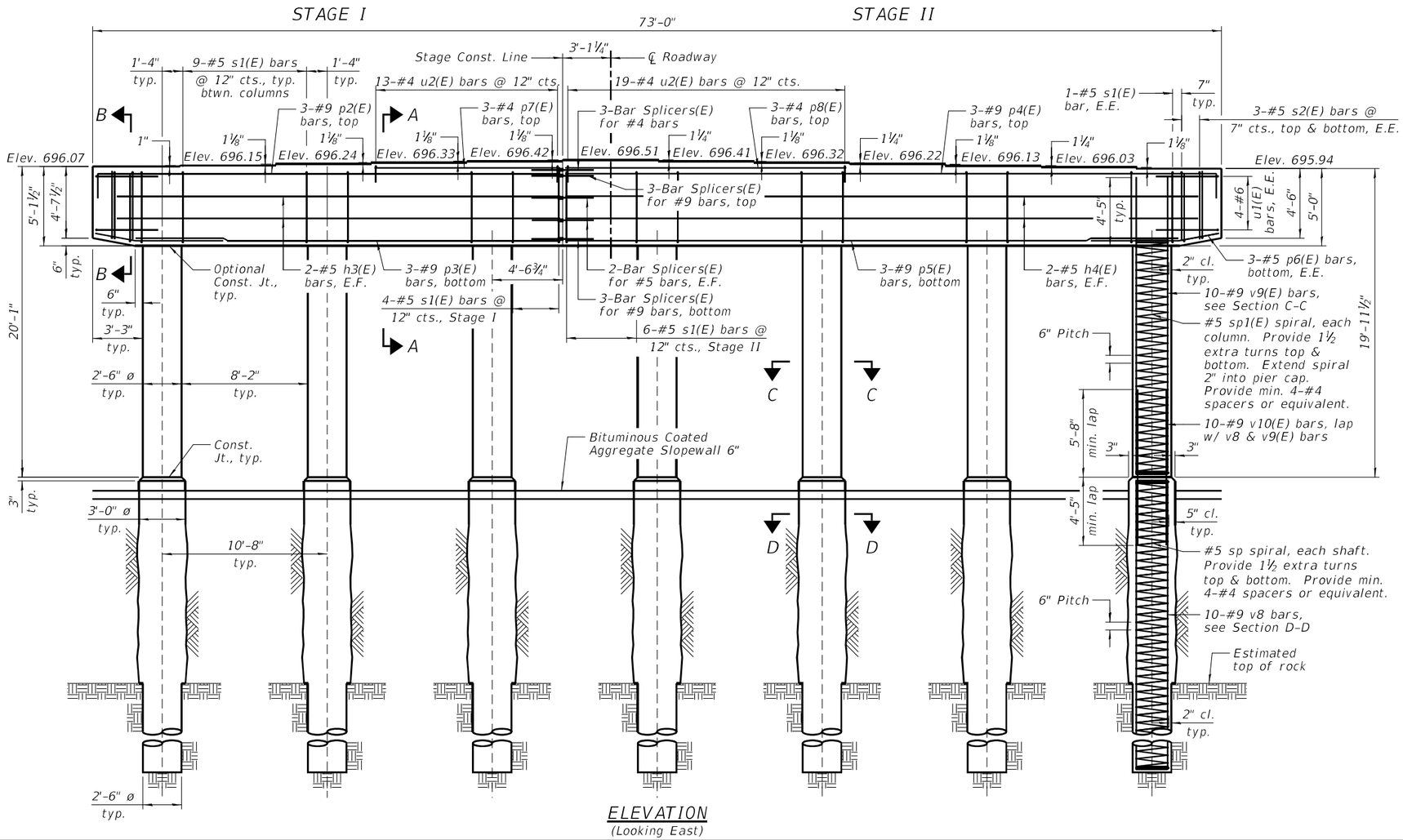
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT
STRUCTURE NO. 046-0155
SHEET NO. 29 OF 42 SHEETS

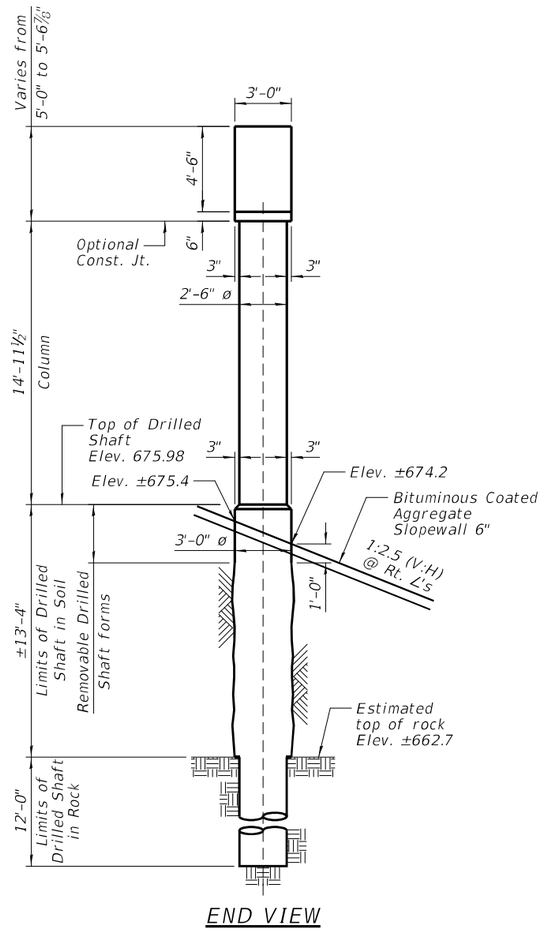
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	97
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			



TOP PLAN



ELEVATION
(Looking East)



END VIEW

NOTES:

1.) Pour steps monolithically with cap.
2.) Space reinforcement in cap to miss anchor bolts.
3.) See Sheet 25 of 42 for Fixed Bearing Details.
4.) E.F. denotes Each Face and E.E. denotes Each End.
5.) See Sheet 31 of 42 for Sections A-A thru D-D and Bill of Material.
6.) See Sheet 35 of 42 for Bar Splicer Details.

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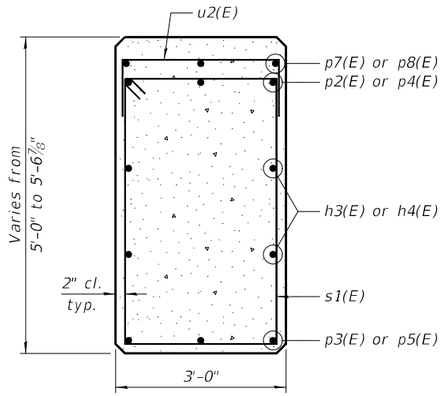
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

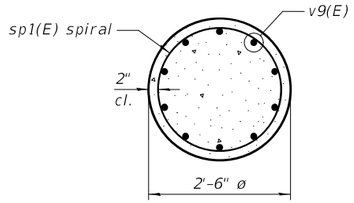
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER NO. 1
STRUCTURE NO. 046-0155
SHEET NO. 30 OF 42 SHEETS

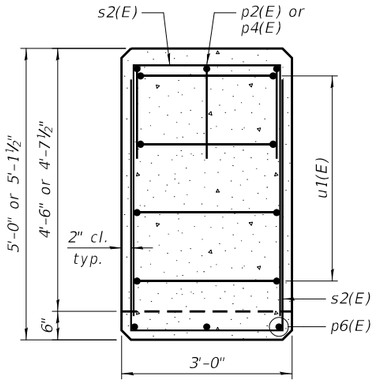
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	98
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			



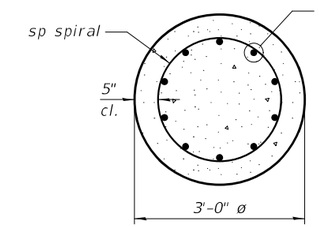
SECTION A-A



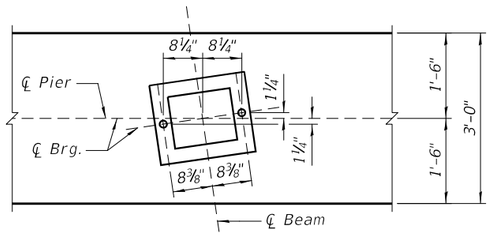
SECTION C-C



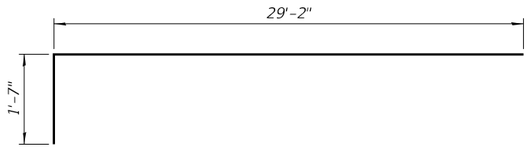
SECTION B-B



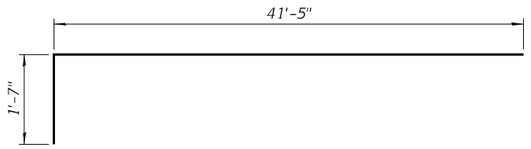
SECTION D-D



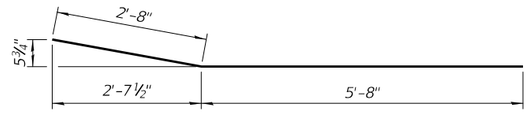
TYPICAL ANCHOR BOLT PLACEMENT DETAIL



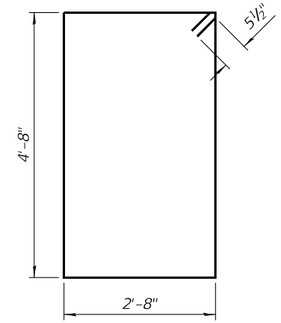
BAR p2(E)



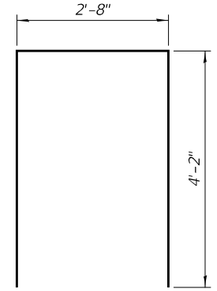
BAR p4(E)



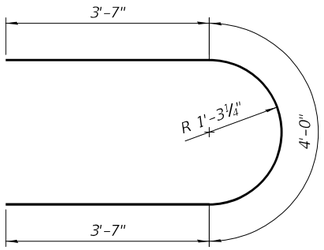
BAR p6(E)



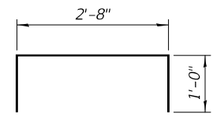
BAR s1(E)



BAR s2(E)



BAR u1(E)



BAR u2(E)

PIER NO. 1 BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
	h3(E)	4	#5	28'-6"	
	h4(E)	4	#5	40'-9"	
	p2(E)	3	#9	30'-9"	
	p3(E)	3	#9	27'-3"	
	p4(E)	3	#9	43'-0"	
	p5(E)	3	#9	39'-6"	
	p6(E)	6	#5	8'-4"	
	p7(E)	3	#4	12'-0"	
	p8(E)	3	#4	18'-2"	
	s1(E)	57	#5	15'-7"	
	s2(E)	12	#5	11'-0"	
*	sp	7	#5	25'-0"	
*	sp1(E)	7	#5	15'-0"	
	u1(E)	8	#6	11'-2"	
	u2(E)	32	#4	4'-8"	
	v8	70	#9	25'-0"	
	v9(E)	70	#9	19'-3"	
	v10(E)	70	#9	10'-1"	

Item	Unit	Quantity
Concrete Structures	Cu. Yd.	59.6
Reinforcement Bars	Pound	8,590
Reinforcement Bars, Epoxy Coated	Pound	11,720
Drilled Shaft In Soil	Cu. Yd.	24.5
Drilled Shaft In Rock	Cu. Yd.	15.3
Thermal Integrity Profile Data Collection	Foot	282
Thermal Integrity Profile Testing	Each	7

Minimum lap for spirals = 3'-7"
*Length is height of spiral.

NOTES:

1.) See Sheet 30 of 42 for location of Sections A-A thru D-D.
2.) See Sheet 25 of 42 for Bearing Details.

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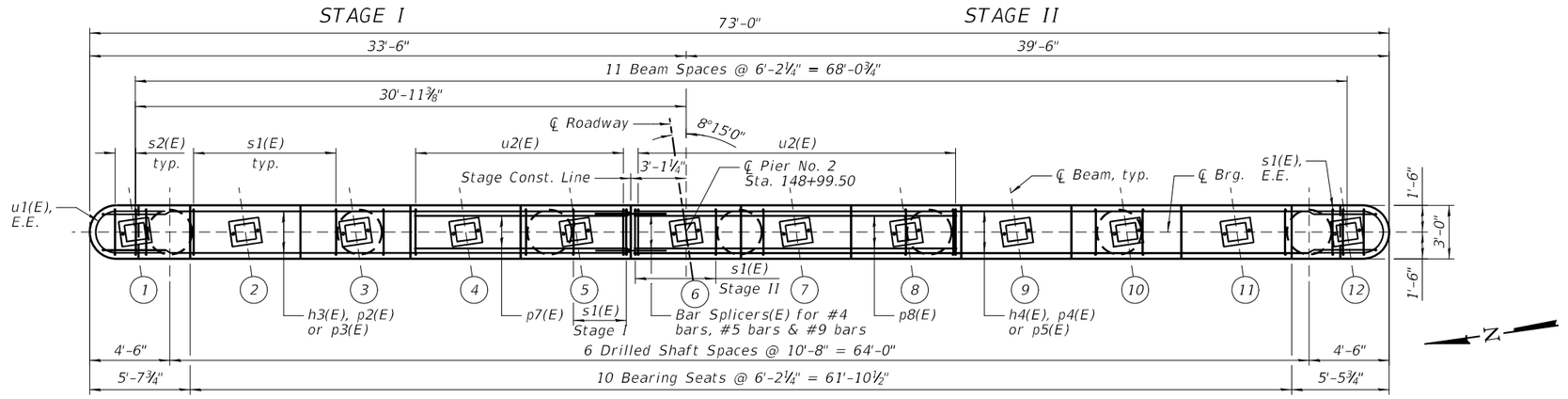
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER NO. 1
STRUCTURE NO. 046-0155
SHEET NO. 31 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	99

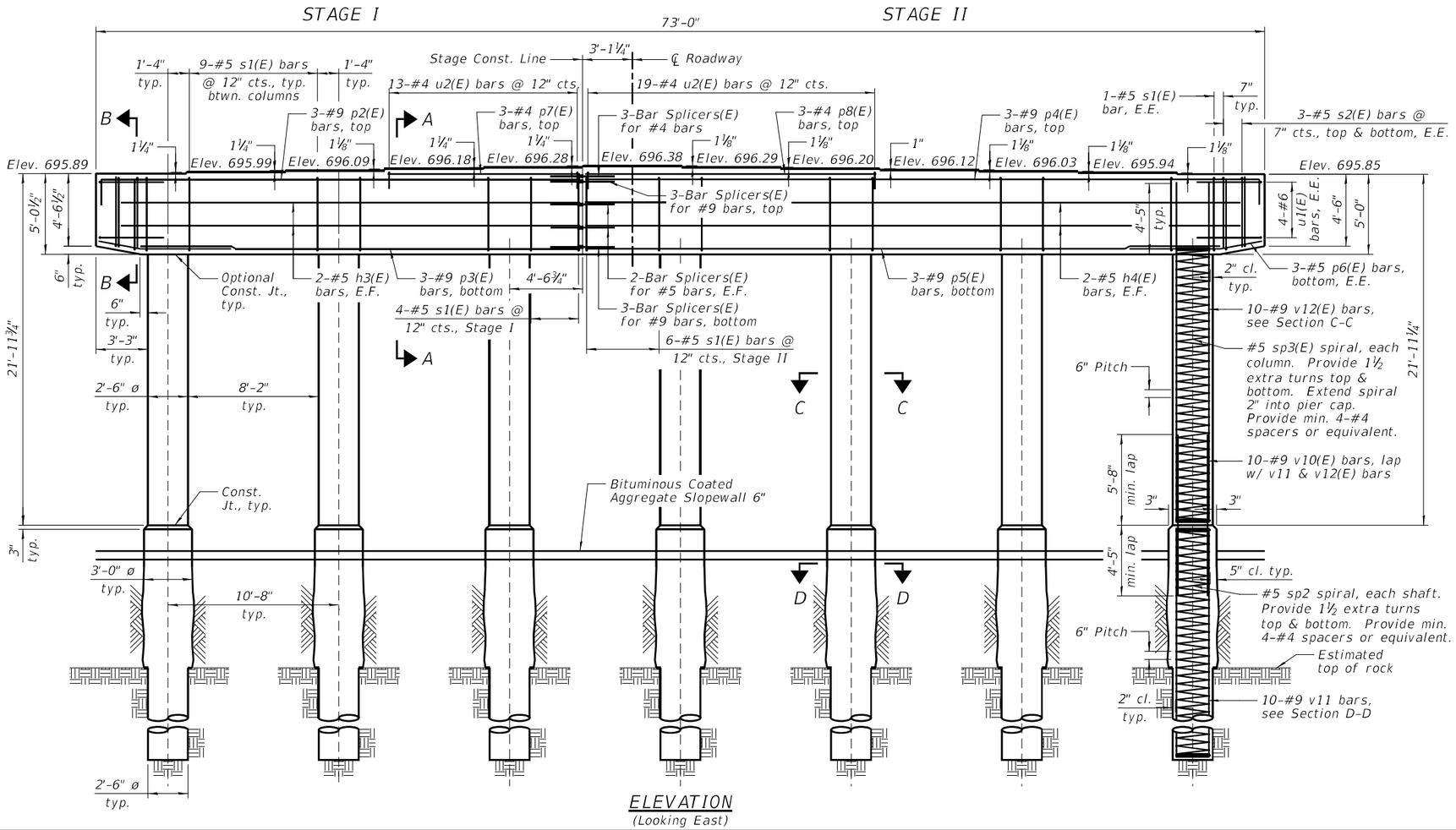
CONTRACT NO. 66F11
ILLINOIS | FED. AID PROJECT



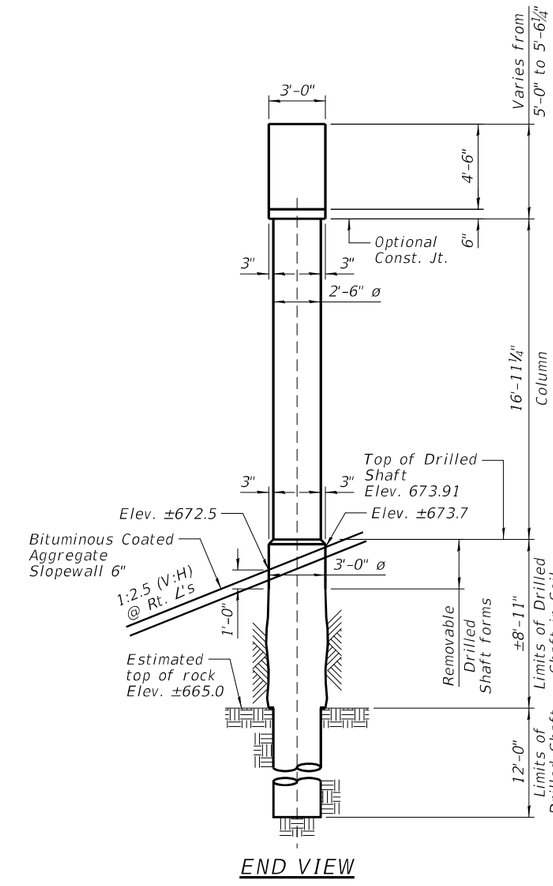
TOP PLAN

NOTES:

1.) Pour steps monolithically with cap.
2.) Space reinforcement in cap to miss anchor bolts.
3.) See Sheet 25 of 42 for Fixed Bearing Details.
4.) E.F. denotes Each Face and E.E. denotes Each End.
5.) See Sheet 33 of 42 for Sections A-A thru D-D and Bill of Material.
6.) See Sheet 35 of 42 for Bar Splicer Details.



ELEVATION
(Looking East)



END VIEW

Farnsworth GROUP
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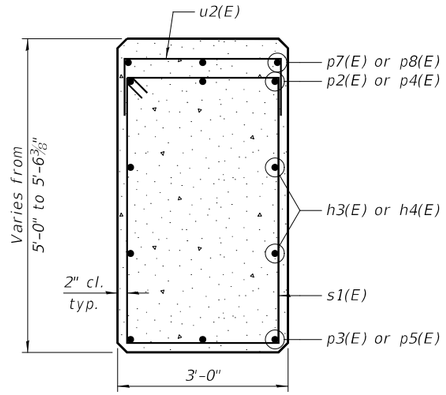
DATE - 06/19/20	CHECKED - JML	REVISED

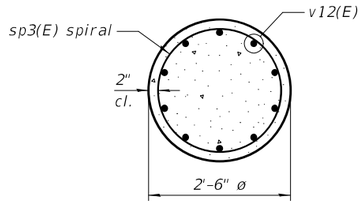
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER NO. 2
STRUCTURE NO. 046-0155
SHEET NO. 32 OF 42 SHEETS

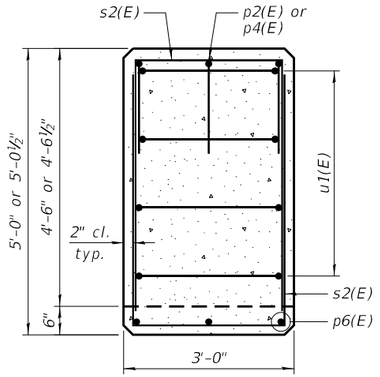
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	100
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			



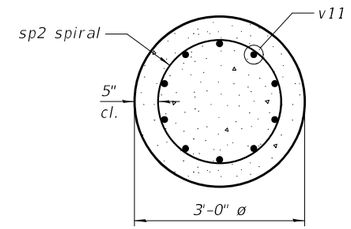
SECTION A-A



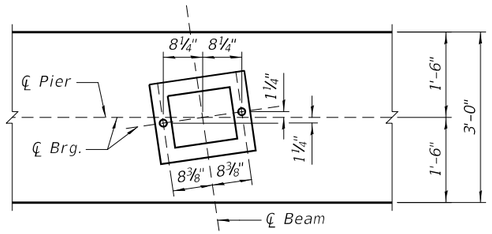
SECTION C-C



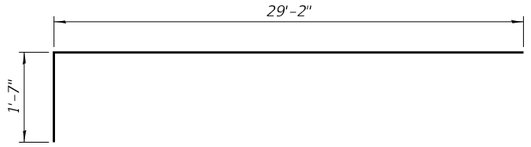
SECTION B-B



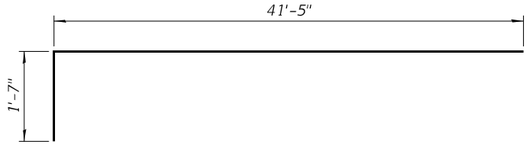
SECTION D-D



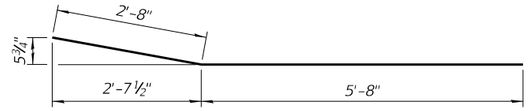
TYPICAL ANCHOR BOLT PLACEMENT DETAIL



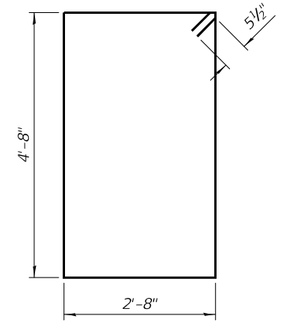
BAR p2(E)



BAR p4(E)

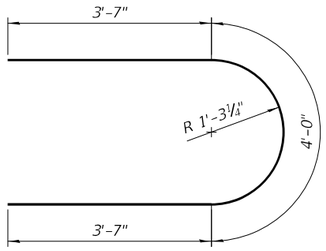


BAR p6(E)

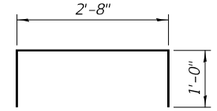


BAR s1(E)

BAR s2(E)



BAR u1(E)



BAR u2(E)

PIER NO. 2 BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
	h3(E)	4	#5	28'-6"	
	h4(E)	4	#5	40'-9"	
	p2(E)	3	#9	30'-9"	
	p3(E)	3	#9	27'-3"	
	p4(E)	3	#9	43'-0"	
	p5(E)	3	#9	39'-6"	
	p6(E)	6	#5	8'-4"	
	p7(E)	3	#4	12'-0"	
	p8(E)	3	#4	18'-2"	
	s1(E)	57	#5	15'-7"	
	s2(E)	12	#5	11'-0"	
*	sp2	7	#5	20'-7"	
*	sp3(E)	7	#5	17'-0"	
	u1(E)	8	#6	11'-2"	
	u2(E)	32	#4	4'-8"	
	v10(E)	70	#9	10'-1"	
	v11	70	#9	20'-7"	
	v12(E)	70	#9	21'-3"	

Item	Unit	Quantity
Concrete Structures	Cu. Yd.	59.1
Reinforcement Bars	Pound	7,130
Reinforcement Bars, Epoxy Coated	Pound	12,380
Drilled Shaft In Soil	Cu. Yd.	16.4
Drilled Shaft In Rock	Cu. Yd.	15.3
Thermal Integrity Profile Data Collection	Foot	266
Thermal Integrity Profile Testing	Each	7

Minimum lap for spirals = 3'-7"
*Length is height of spiral.

NOTES:

1.) See Sheet 32 of 42 for location of Sections A-A thru D-D.
2.) See Sheet 25 of 42 for Bearing Details.

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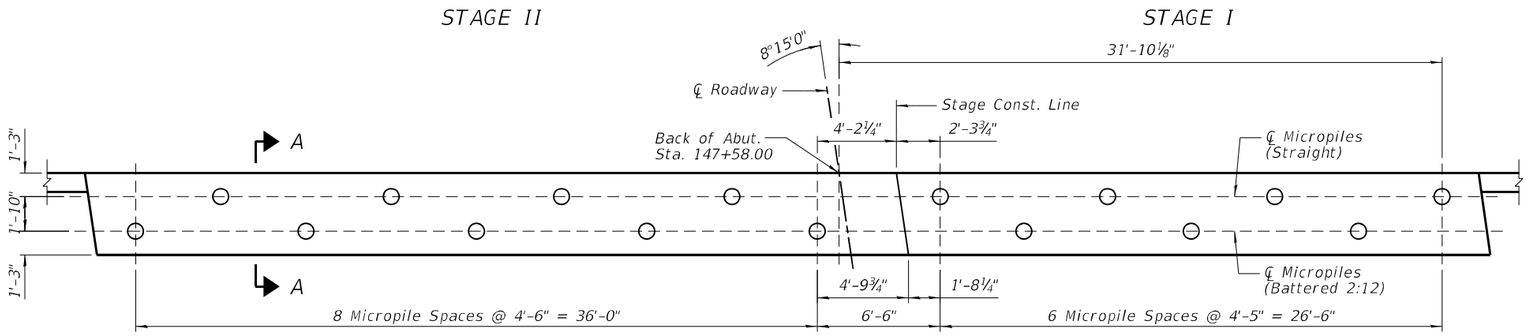
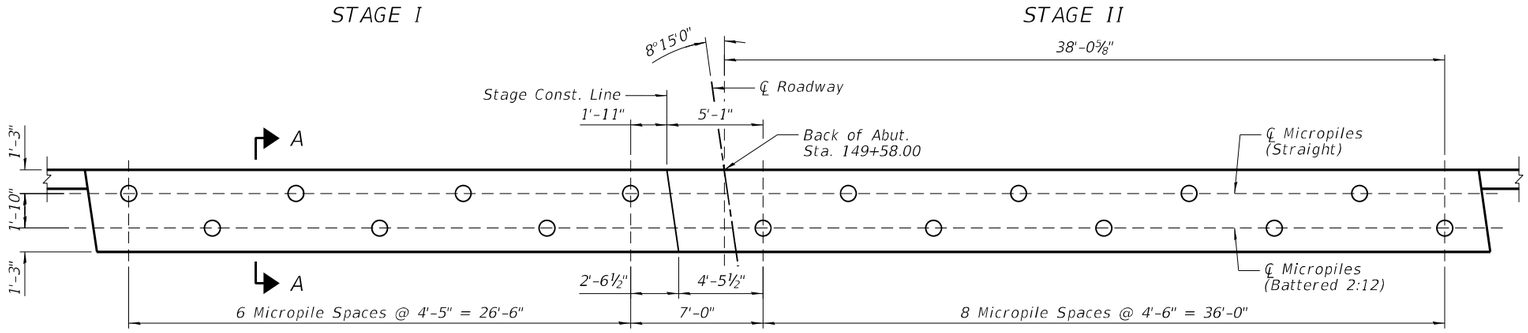
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER NO. 2
STRUCTURE NO. 046-0155
SHEET NO. 33 OF 42 SHEETS

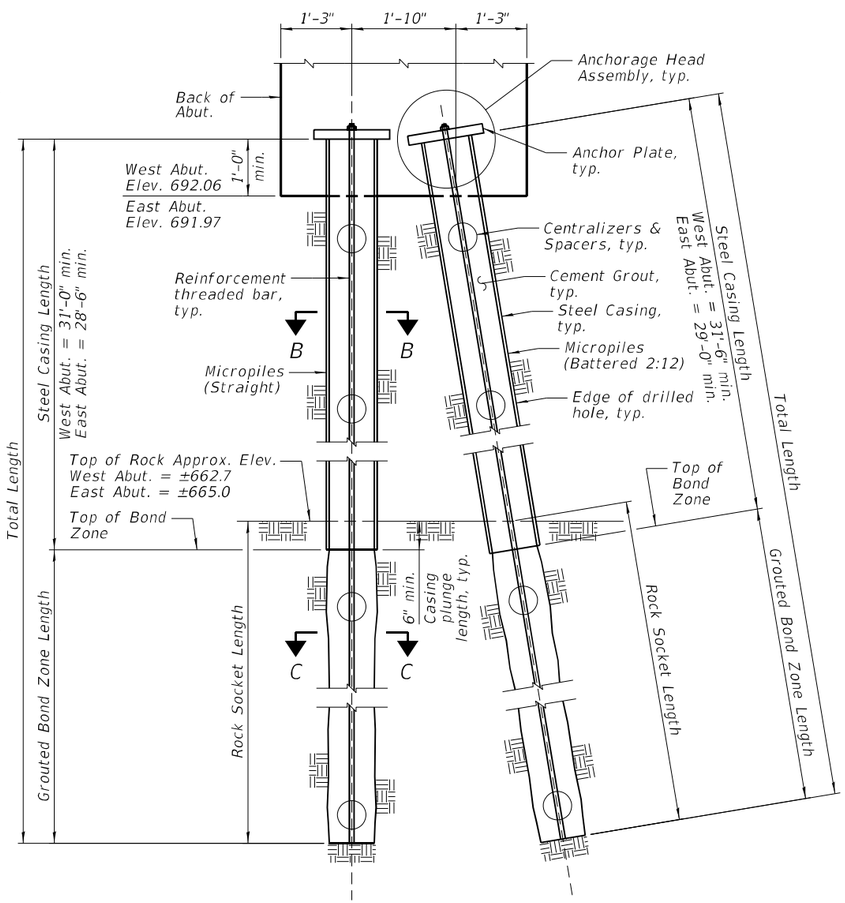
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	101
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			



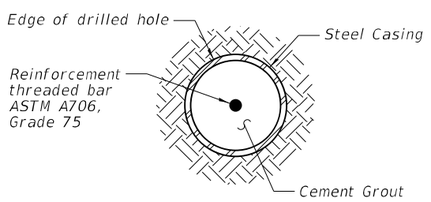
WEST ABUTMENT PLAN



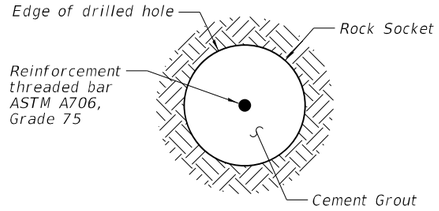
EAST ABUTMENT PLAN



SECTION A-A



SECTION B-B
(Battered Micropiles similar)



SECTION C-C
(Battered Micropiles similar)

NOTES:

1.) See Special Provision "Micropiles".
2.) 180k maximum compression design load.

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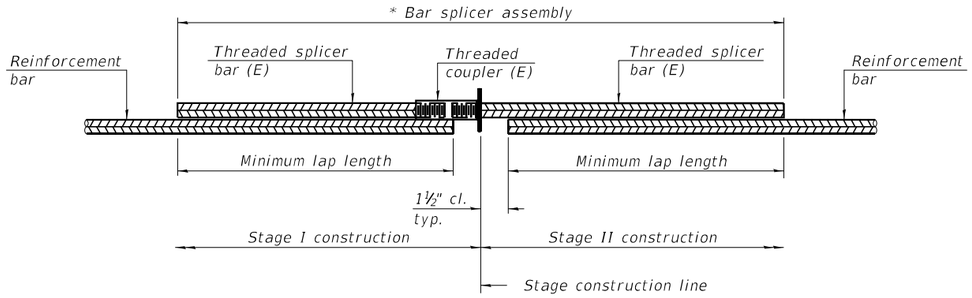
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MICROPILE DETAILS
STRUCTURE NO. 046-0155
SHEET NO. 34 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	102
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		



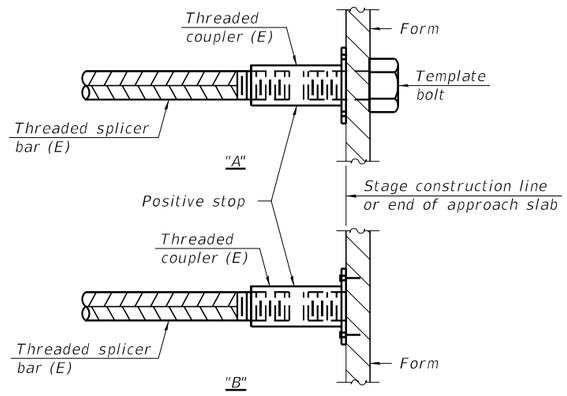
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

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

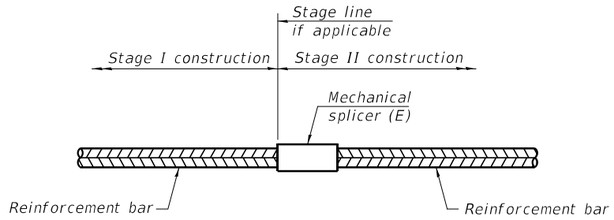
** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
Top of Deck	#5	366	3'-6"
Bottom of Deck	#5	239	3'-6"
Diaphragms	#6	22	3'-4"
Top of Approach Slab	#5	90	3'-4"
Bottom of Approach Slab	#8	118	4'-9"
Top & Bottom of Approach Footing	#5	80	3'-2"
Abutments	#7	24	5'-0"
Abutments	#4	8	2'-11"
Piers	#9	12	6'-5"
Piers	#5	8	3'-7"
Piers	#4	6	2'-11"



INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 1-1-2020

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DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 046-0155
SHEET NO. 35 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	103
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

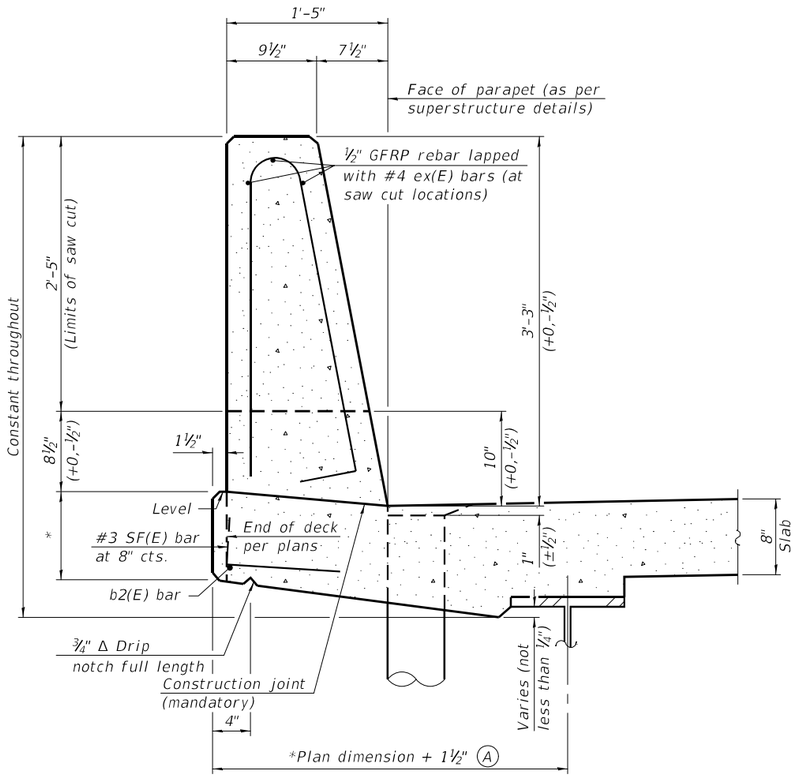
GENERAL NOTES

All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" and 44" parapets.

Place full depth aluminum sheets as shown on superstructure details.

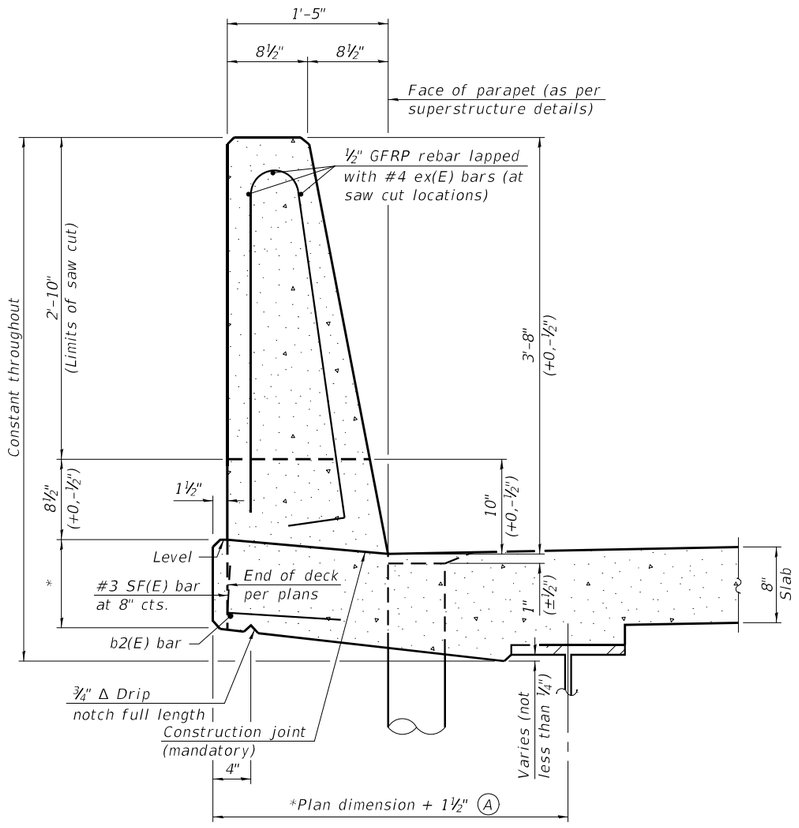
Replace all cork joint filler locations with a full thickness saw cut.

Steel superstructure shown. Other superstructure types similar.



39" CONSTANT-SLOPE PARAPET SECTION

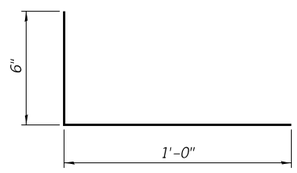
(Showing dimensions, d(E), and ½" Ø GFRP rebar)



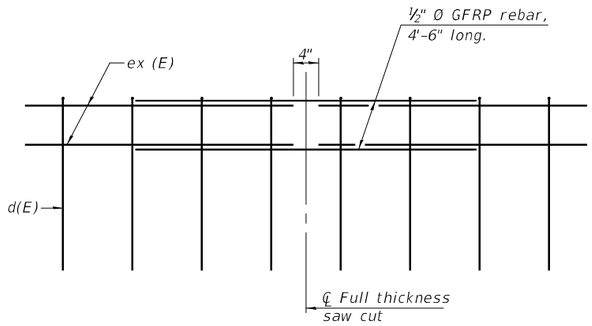
44" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)

*See Superstructure Details.



#3 (E) BAR



GFRP REBAR STIFFENING DETAIL

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

SFP 39-44 1-14-2019

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CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 046-0155
SHEET NO. 36 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	104
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 1 of 1

Date 11/6/17

ROUTE FAS 1305 (Armour Rd.) **DESCRIPTION** Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 **LOGGED BY** Larry Myers

SECTION 79R-VB **LOCATION** SE 1/4, **SEC.** 17, **TWP.** 31N, **RNG.** 12E, 3rd **PM**,
Latitude 41.162686, **Longitude** -87.858221

COUNTY Kankakee **CORING METHOD** Split Barrel Wire Line

STRUCT. NO. 046-0063 **CORING BARREL TYPE & SIZE** N W/L 2
Station 148+43.23

Core Diameter 1.9 **In**
Top of Rock Elev. 662.73 **ft**
Begin Core Elev. 662.73 **ft**

BORING NO. B1 (W. Abut.)
Station 147+07.00
Offset 23.3 ft Lt.
Ground Surface Elev. 698.73 **ft**

	DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Buff Dolostone, Highly Porous & Vuggy, Highly Fractured, Some Rubblized Layers, Fossiliferous	662.73					
No Water Recovery while coring.		1	47	0	4.2	
Note: Due to low RQD, no strength specimens could be obtained.	-40					
		2	40	0	3.4	
	-45					
		3	97	0	2.6	
Note: Minor water at rock surface while drilling. No measurable water after coring.	-50					
	647.73					
End of Boring	-55					

ROCK CORE 046-0063.GPJ IL_DOT.GDT 2/7/17

Color pictures of the cores Yes
Cores will be stored for examination until Construction Complete
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 1 of 1

Date 11/7/17

ROUTE FAS 1305 (Armour Rd.) **DESCRIPTION** Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 **LOGGED BY** Larry Myers

SECTION 79R-VB **LOCATION** NE 1/4, **SEC.** 20, **TWP.** 31N, **RNG.** 12E, 3rd **PM**,
Latitude 41.162565, **Longitude** -87.857039

COUNTY Kankakee **CORING METHOD** Split Barrel Wire Line

STRUCT. NO. 046-0063 **CORING BARREL TYPE & SIZE** N W/L 2
Station 148+43.23

Core Diameter 1.9 **In**
Top of Rock Elev. 665.04 **ft**
Begin Core Elev. 665.04 **ft**

BORING NO. B2 (E. Abut.)
Station 150+33.99
Offset 23.0 ft Rt.
Ground Surface Elev. 698.04 **ft**

	DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Buff Dolostone, Highly Porous & Vuggy, Highly Fractured, Some Rubblized Layers, Fossiliferous	665.04					
No Water Recovery while coring.		1	83	0	3.6	
	-35					
		2	97	20	3.6	284.9
	-40					122.2
		3	67	7	3.4	
Note: Minor water at rock surface while drilling. No measurable water after coring.	-45					394.6
	650.04					
End of Boring	-50					

ROCK CORE 046-0063.GPJ IL_DOT.GDT 2/7/17

Color pictures of the cores Yes
Cores will be stored for examination until Construction Complete
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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DEPARTMENT OF TRANSPORTATION

ROCK CORE LOGS
STRUCTURE NO. 046–0155
SHEET NO. 37 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	105
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 2/23/00

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Sheet Pile at West Abutment LOGGED BY K.W.

SECTION 79R-VB LOCATION SE 1/4, SEC. 17, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD Hydraulic Push Tube HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 01 (N.W. Quad.)
Station 147+28
Offset 30.0 ft Lt.
Ground Surface Elev. 349.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Very Stiff to Hard Brown / Gray to Olive Silty Clay Till & Silty Clay (Fill)		1.7P	
		2.7P	
		4.0P	19
		2.5P	
-5		3.0P	
		2.7P	19
		1.7P	
		2.0P	
		2.0P	25
-10		2.6P	
		2.4P	
		1.5P	21
		3.5P	
		2.7P	
-15		2.5P	25
		2.0P	
		2.9P	
		3.6P	24
330.00		1.75P	
Stiff Black Silty Clay Loam with Limestone Pieces & Organics			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Black Silty Clay Loam with Limestone Pieces & Organics *(continued)* 328.00		1.5P	
		1.7P	28
End of Boring			
-25			
-30			
-35			
-40			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 3/18/2(

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 2/23/00

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Sheet Pile at West Abutment LOGGED BY K.W.

SECTION 79R-VB LOCATION NE 1/4, SEC. 20, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD Hydraulic Push Tube HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 02 (S.W. Quad.)
Station 147+21
Offset 30.0 ft Rt.
Ground Surface Elev. 349.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silty Clay Till (Fill Area)		1.0P	
		2.5P	
		2.3P	25
		2.7P	
-5		2.7P	
		2.5P	23
		2.25P	
		3.6P	
		3.25P	21
-10		2.75P	
		4.5P	
		3.5P	19
		2.0P	
		3.4P	
-15		2.75P	21
		3.9P	
		2.0P	
332.00		1.6P	25
Black Silty Clay Loam			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Silty Clay Loam *(continued)* 328.00			
End of Boring			
-25			
-30			
-35			
-40			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 3/18/2(

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

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Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/20/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION SE 1/4, SEC. 17, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 1 (Pier #1)
Station 148+23
Offset 20.0 ft Lt. on Skew
Ground Surface Elev. 320.78 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 168 Hrs. 316.9 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose Yellowish Brown Sandy Loam (Fill) 319.28			
Soft Yellowish Brown Clay Loam (Fill) 318.28	3		
Hard Yellowish Brown Clay (Till)	14	4.3 S	20
316.28			
Very Stiff Gray Clay (Till)	21	3.1 B	17 18
-5			
314.78			
Very Dense Yellowish Brown Fine Gravel & Limestone Fragments 313.78	61		
Thin Layers of Porous Limestone, Soft Layers of Rock Dust or Clay (Cored) 10% Recovery			
-10			
309.28			
Light Buff Colored Porous Limestone (Dolomite) Thin to Medium Bedding (Cored) 25% Recovery			
-15			
304.28			
End of Boring			
-20			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 3/3/20

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

BBS, form 137 (Rev. 8-99)

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DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 046–0155
SHEET NO. 38 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	106
		CONTRACT NO. 66F11		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/22/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION NE 1/4, SEC. 20, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 2 (Pier #1)
Station 148+23
Offset 16.0 ft Rt. on Skew
Ground Surface Elev. 320.88 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 144 Hrs. 316.9 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clay Loam and Clay (Till)			
314.88			
Light Buff Porus Limestone (Dolomite) Thin Bedding (Cored) 30% Recovery			
311.38			
Light Buff Porus Limestone (Dolomite) Thin to Medium Bedding (Cored) 70% Recovery			
307.88			
End of Boring			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 5/3/20

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/23/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION NE 1/4, SEC. 20, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 3 (W. Abut.)
Station 147+69
Offset 38.0 ft Rt. on Skew
Ground Surface Elev. 329.88 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 120 Hrs. 316.9 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Embankment and Overburden			
315.38			
Limestone Rubble			
314.88			
Light Buff Porous Limestone (Dolomite) Thin Bedding, Soft Layers (Cored) 15% Recovery			
311.88			
Light Buff Porous Limestone (Dolomite) Thin Bedding, some Soft Layers (Corad) 20% Recovery			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Light Buff Porus Limestone (Dolomite) Thin Bedding, some Soft Layers (Cored) 20% Recovery *(continued)*			
306.38			
End of Boring			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 5/3/20

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

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DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 046–0155
SHEET NO. 39 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	107
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/27/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION NE 1/4, SEC. 20, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 4 (Pier #2)
Station 148+96
Offset 26.0 ft Rt. on Skew
Ground Surface Elev. 322.68 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Not Recored				
321.18				
Stiff Yellowish Brown and Black Clay (Fill)		11	1.5 E	
319.18				
Very Stiff Yellowish Brown Clay (Till)	-5	15	2.9 B	21
317.18				
Limestone Rubble		300/0.75"		
316.18				
Light Gray and Buff Porous Limestone (Dolomite) Thin to Medium Bedding (Cored) 55% Recovery	-10			
311.18				
End of Boring	-15			
	-20			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 9/3/20

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/28/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION SE 1/4, SEC. 17, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 5 (E. Abut.)
Station 149+47
Offset 38.0 ft Lt. on Skew
Ground Surface Elev. 330.58 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Embankment				
328.08				
Stiff Brownish Black Clay Loam		11	1.5 E	
325.58	-5			
Stiff Brown Clay		9	1.8 S	25
323.58				
Hard Yellowish Brown and Gray Clay (Till)		25	5.4 S	19
	-10			
		18	4.1 S	21
318.58				
Stiff Yellowish Brown and Gray Clay (Till)				22
316.58		15	1.4 B	27
Limestone Layers, Rubble and Clay (Cored) 10% Recovery	-15			
312.88				
Gray and Light Buff Porous Limestone (Dolomite) Thin Bedding (Cored) Recovery 35%	-20			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 9/3/20

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray and Light Buff Porous Limestone (Dolomite) Thin Bedding (Cored) Recovery 35% *(continued)*				
305.88				
End of Boring	-25			
	-30			
	-35			
	-40			

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/29/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION SE 1/4, SEC. 17, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 6 (Pier #2)
Station 148+92
Offset 23.0 ft Lt. on Skew
Ground Surface Elev. 322.28 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 316.8 ft
After 48 Hrs. 317.0 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Fill			
319.78			
Yellowish Brown and Gray Clay (Till)			
317.28 -5			
Yellowish Brown Clay Loam (Gravelly)			
314.78	300/3.5"		
Limestone Rubble			
313.78			
Limestone			
313.28			
End of Boring			
-10			
-15			
-20			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 8/3/20

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/29/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION NE 1/4, SEC. 20, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 7 (Pier #2)
Station 148+88
Offset 20.0 ft Rt. on Skew
Ground Surface Elev. 320.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Overburden			
315.00 -5			
Limestone Rubble			
314.30			
Auger Stopped on Hard Material End of Boring			
-10			
-15			
-20			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 8/3/20

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

BBS, form 137 (Rev. 8-99)

Farnsworth GROUP
2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

	DESIGNED - IIP/PMG	REVISED
	CHECKED - DAH	REVISED
	DRAWN - DJM	REVISED
DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 046–0155
SHEET NO. 41 OF 42 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	109
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 4/2/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION NE 1/4, SEC. 20, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 8 (E. Abut.)
Station 149+47
Offset 53.0 ft Rt. on Skew
Ground Surface Elev. 320.98 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clay and Clay (Till) Overburden				
310.78	-5			
Limestone Rubble				
314.78				
Auger Stopped on Hard Material End of Boring	-10			
	-15			
	-20			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 5/3/20

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 4/2/62

ROUTE FAS 1305 (Armour Rd.) DESCRIPTION Armour Road over I.C.G. Railroad, 0.3 miles West of IL 50 LOGGED BY

SECTION 79R-VB LOCATION SE 1/4, SEC. 17, TWP. 31N, RNG. 12E, 3rd PM,
Latitude , Longitude

COUNTY Kankakee DRILLING METHOD HAMMER TYPE

STRUCT. NO. 046-0063
Station 148+43.23

BORING NO. 9 (W. Abut.)
Station 147+69
Offset 38.0 ft Lt. on Skew
Ground Surface Elev. 330.88 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 318.0 ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clay and Clay Loam (Embankment)				
	-5	12		
324.88				
Medium Yellowish Brown Gravelly Loam		24		13
322.38				
Hard Yellowish Brown and Gray Clay (Till)	-10	28	6.2 S	18
		21	4.7 B	20
▽				
		200/9"		
316.38				
Limestone Rubble	-15			
315.38				
Auger Stopped on Hard Material End of Boring	-20			

SOIL BORING 046-0063.GPJ IL_DOT.GDT 5/3/20

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

BBS, form 137 (Rev. 8-99)

Farnsworth GROUP
2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

		DESIGNED - IIP/PMG	REVISED
		CHECKED - DAH	REVISED
		DRAWN - DJM	REVISED
	DATE - 06/19/20	CHECKED - JML	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 046–0155
SHEET NO. 42 OF 42 SHEETS

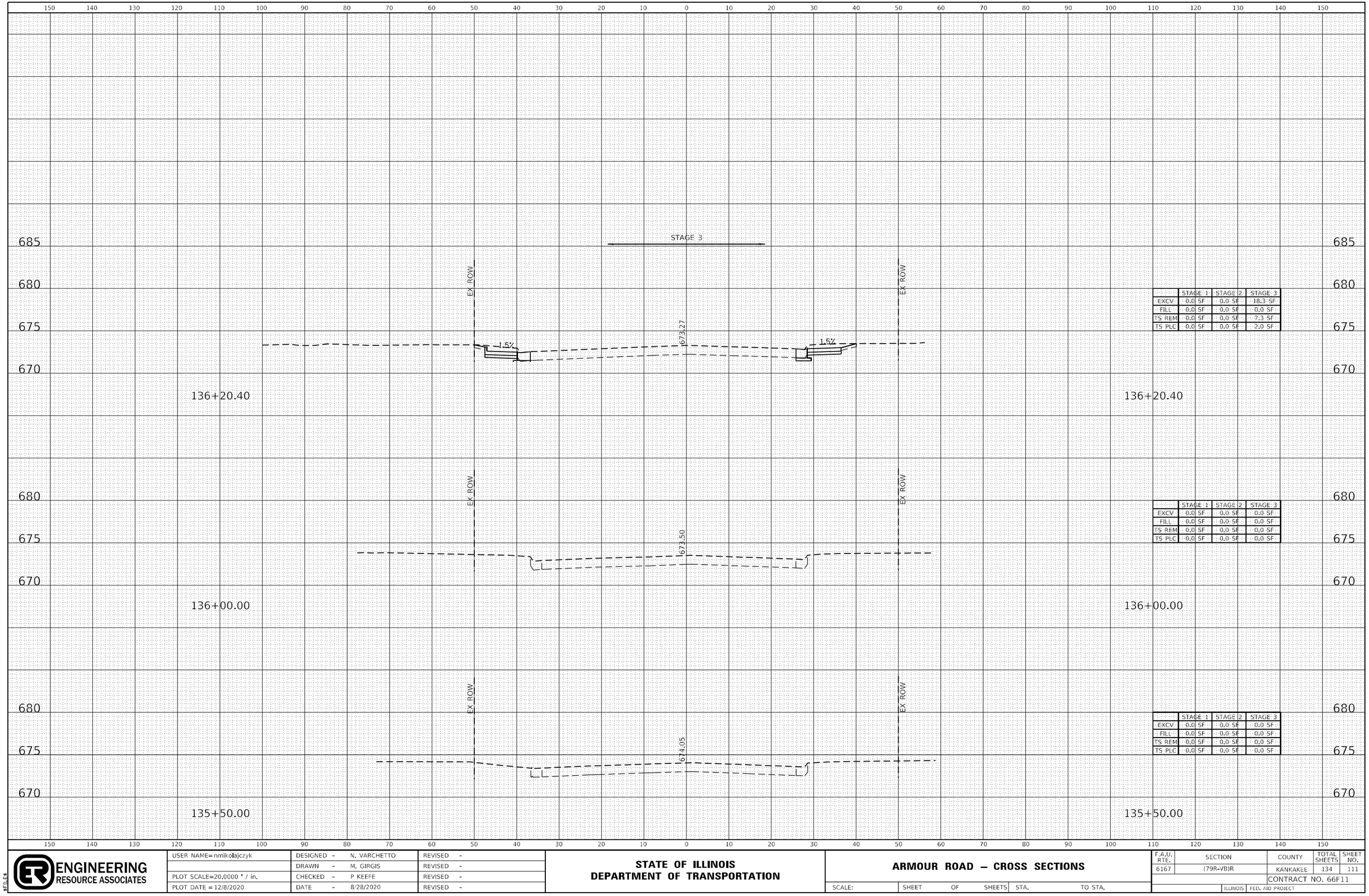
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6176	(79R-VB)R	KANKAKEE	134	110
			CONTRACT NO. 66F11	
		ILLINOIS	FED. AID PROJECT	

DATE	BY	
		SURVEYED
		PLOTTED
		TEMPLATE
		AREAS
		AREAS CHECKED

FINAL SURVEY

NOTE BOOK

NO.



	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.0 SF	18.3 SF
FILL	0.0 SF	0.0 SF	0.0 SF
TS REM	0.0 SF	0.0 SF	7.3 SF
TS PLC	0.0 SF	0.0 SF	2.0 SF

	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.0 SF	0.0 SF
FILL	0.0 SF	0.0 SF	0.0 SF
TS REM	0.0 SF	0.0 SF	0.0 SF
TS PLC	0.0 SF	0.0 SF	0.0 SF

	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.0 SF	0.0 SF
FILL	0.0 SF	0.0 SF	0.0 SF
TS REM	0.0 SF	0.0 SF	0.0 SF
TS PLC	0.0 SF	0.0 SF	0.0 SF

DATE	BY	
		SURVEYED
		PLOTTED
		TEMPLATE
		AREAS
		AREAS CHECKED

ORIGINAL SURVEY

NOTE BOOK

NO.

ENGINEERING RESOURCE ASSOCIATES

$FILE$

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	111
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

680
675
670
665

EX ROW

671.78

138+00.00

	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.0 SF	0.0 SF
FILL	0.0 SF	0.0 SF	0.0 SF
TS REM	0.0 SF	0.0 SF	0.0 SF
TS PLC	0.0 SF	0.0 SF	0.0 SF

680
675
670

EX ROW

671.99

137+50.00

	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.0 SF	0.0 SF
FILL	0.0 SF	0.0 SF	0.0 SF
TS REM	0.0 SF	0.0 SF	0.0 SF
TS PLC	0.0 SF	0.0 SF	0.0 SF

680
675
670

EX ROW

672.41

137+00.00

	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.0 SF	0.0 SF
FILL	0.0 SF	0.0 SF	0.0 SF
TS REM	0.0 SF	0.0 SF	0.0 SF
TS PLC	0.0 SF	0.0 SF	0.0 SF

680
675
670

EX ROW

672.91

136+50.00

	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.0 SF	0.0 SF
FILL	0.0 SF	0.0 SF	0.0 SF
TS REM	0.0 SF	0.0 SF	0.0 SF
TS PLC	0.0 SF	0.0 SF	0.0 SF

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL SURVEY

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

ORIGINAL SURVEY

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

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

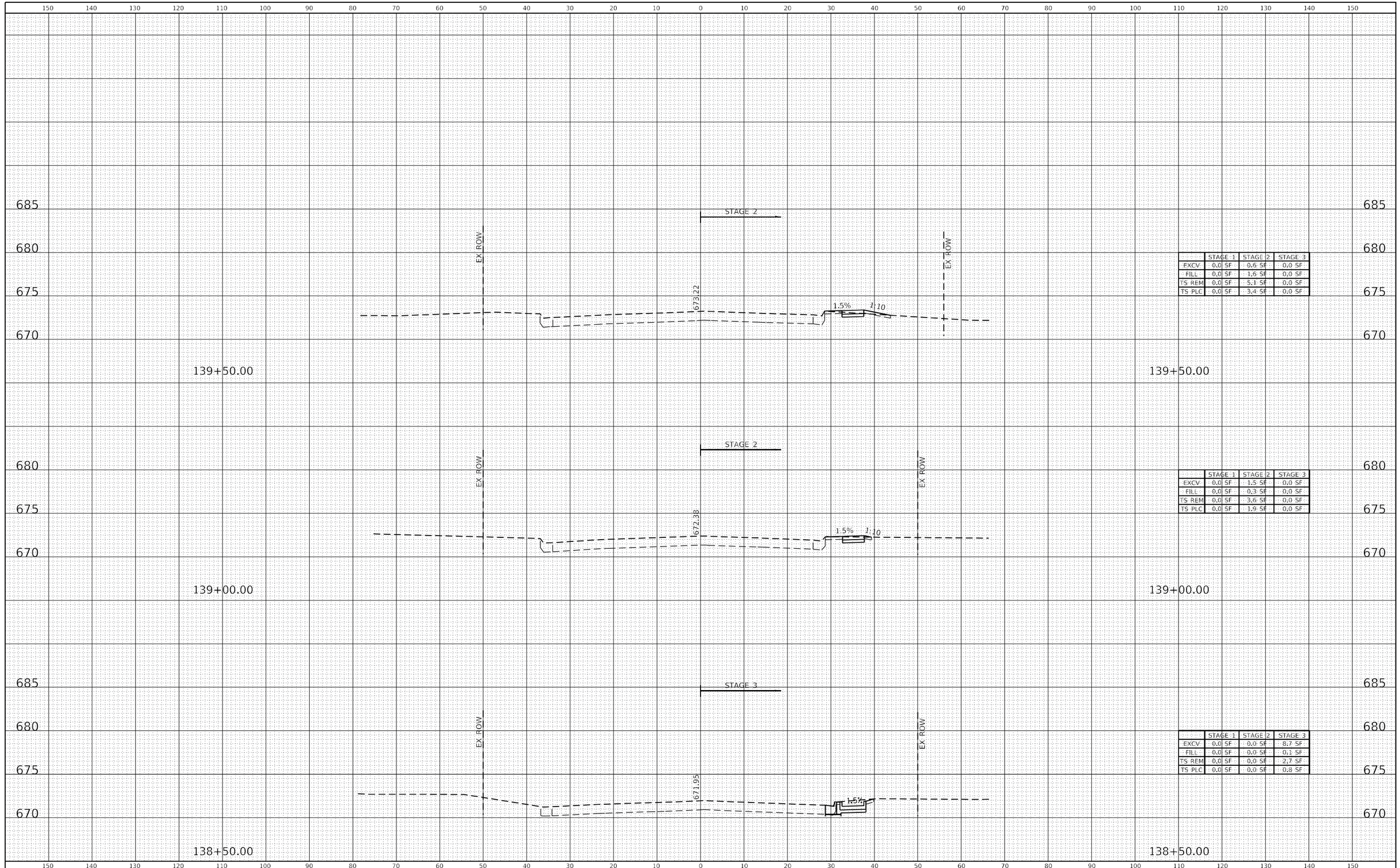
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	112
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

$FILE$



FINAL SURVEY

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

ORIGINAL SURVEY

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

$FILE$

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	113
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

685
680
675
670
665

STAGE 2

676.82

1.0%

140+75.38

	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.8	0.0 SF
FILL	0.0 SF	1.2 SF	0.0 SF
TS REM	0.0 SF	4.8 SF	0.0 SF
TS PLC	0.0 SF	3.0 SF	0.0 SF

STAGE 2

EX. ROW

675.92

1.5%

1:10

140+50.00

	STAGE 1	STAGE 2	STAGE 3
EXCV	0.0 SF	0.4 SF	0.0 SF
FILL	0.0 SF	2.2 SF	0.0 SF
TS REM	0.0 SF	5.5 SF	0.0 SF
TS PLC	0.0 SF	3.8 SF	0.0 SF

STAGE 2

EX. ROW

674.36

1.5%

1:10

140+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

$FILE$

ENGINEERING RESOURCE ASSOCIATES

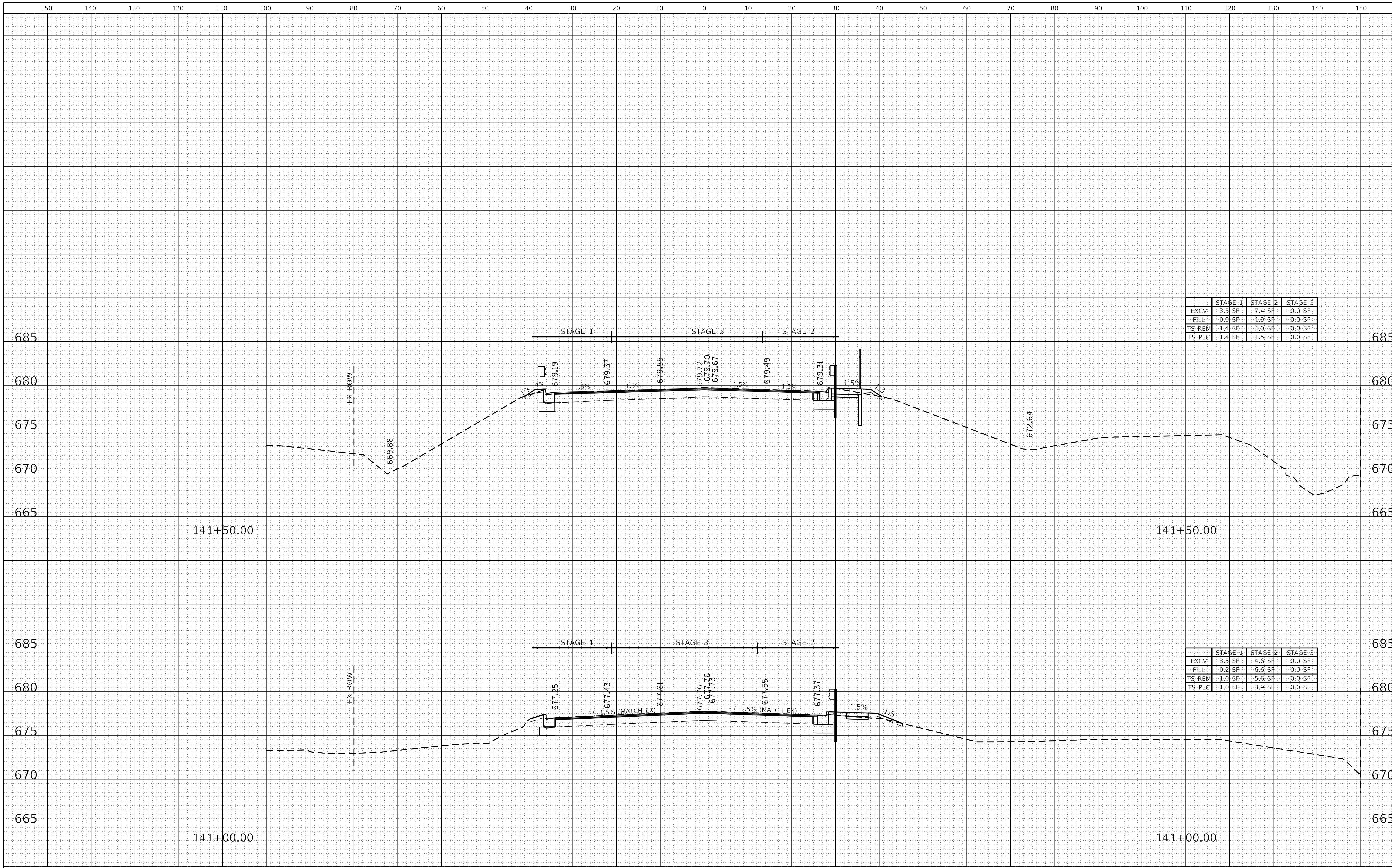
USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	114
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



141+50.00

	STAGE 1	STAGE 2	STAGE 3
EXCV	3.5 SF	7.4 SF	0.0 SF
FILL	0.9 SF	1.9 SF	0.0 SF
TS REM	1.4 SF	4.0 SF	0.0 SF
TS PLC	1.4 SF	1.5 SF	0.0 SF

141+00.00

	STAGE 1	STAGE 2	STAGE 3
EXCV	3.5 SF	4.6 SF	0.0 SF
FILL	0.2 SF	6.6 SF	0.0 SF
TS REM	1.0 SF	5.6 SF	0.0 SF
TS PLC	1.0 SF	3.9 SF	0.0 SF

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

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

$FILE$

ENGINEERING RESOURCE ASSOCIATES

USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

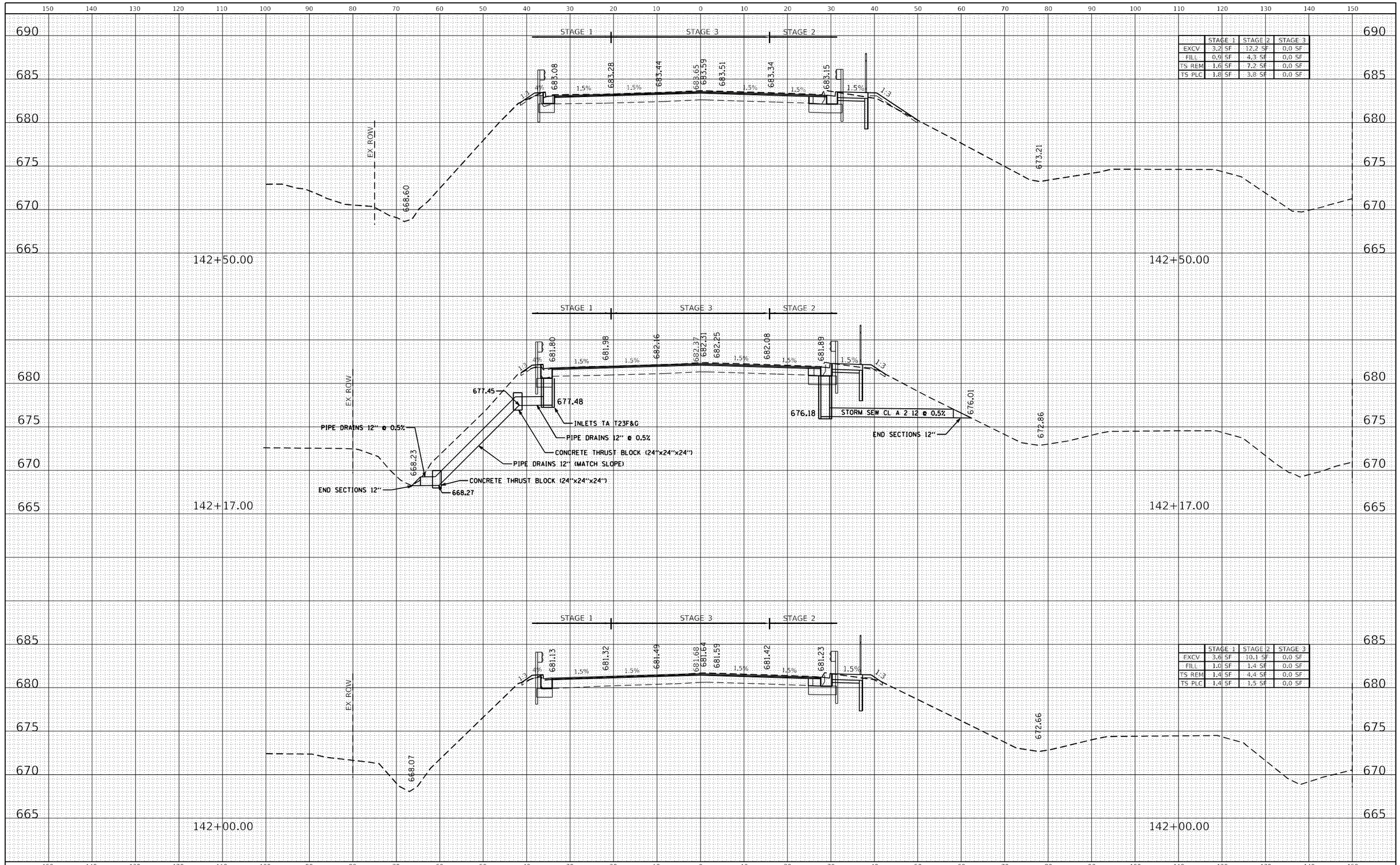
ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	115

CONTRACT NO. 66F11

ILLINOIS | FED. AID PROJECT



	STAGE 1	STAGE 2	STAGE 3
EXCV	3.2 SF	12.2 SF	0.0 SF
FILL	0.9 SF	4.3 SF	0.0 SF
TS REM	1.6 SF	7.2 SF	0.0 SF
TS PLC	1.8 SF	3.8 SF	0.0 SF

	STAGE 1	STAGE 2	STAGE 3
EXCV	3.6 SF	10.1 SF	0.0 SF
FILL	1.0 SF	1.4 SF	0.0 SF
TS REM	1.4 SF	4.4 SF	0.0 SF
TS PLC	1.4 SF	1.5 SF	0.0 SF

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

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

ENGINEERING RESOURCE ASSOCIATES

$FILE$

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

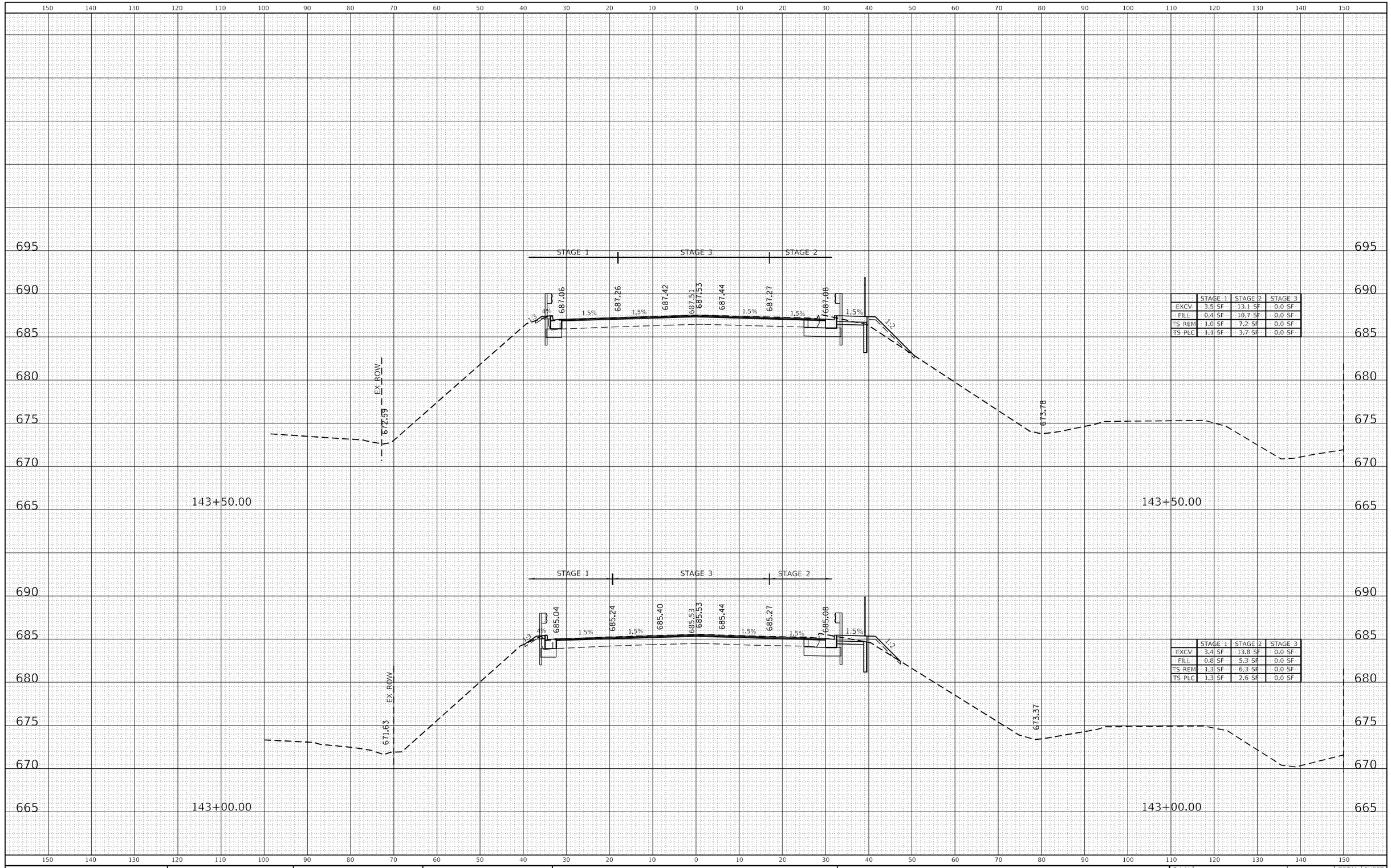
ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	116

CONTRACT NO. 66F11

ILLINOIS | FED. AID PROJECT



	STAGE 1	STAGE 2	STAGE 3
EXCV	3.5 SF	13.1 SF	0.0 SF
FILL	0.4 SF	10.7 SF	0.0 SF
TS REM	1.0 SF	7.2 SF	0.0 SF
TS PLC	1.1 SF	3.7 SF	0.0 SF

	STAGE 1	STAGE 2	STAGE 3
EXCV	3.4 SF	13.8 SF	0.0 SF
FILL	0.8 SF	5.3 SF	0.0 SF
TS REM	1.3 SF	6.3 SF	0.0 SF
TS PLC	1.3 SF	2.6 SF	0.0 SF

FINAL SURVEY	NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY	NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

$FILE$

ENGINEERING RESOURCE ASSOCIATES

USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

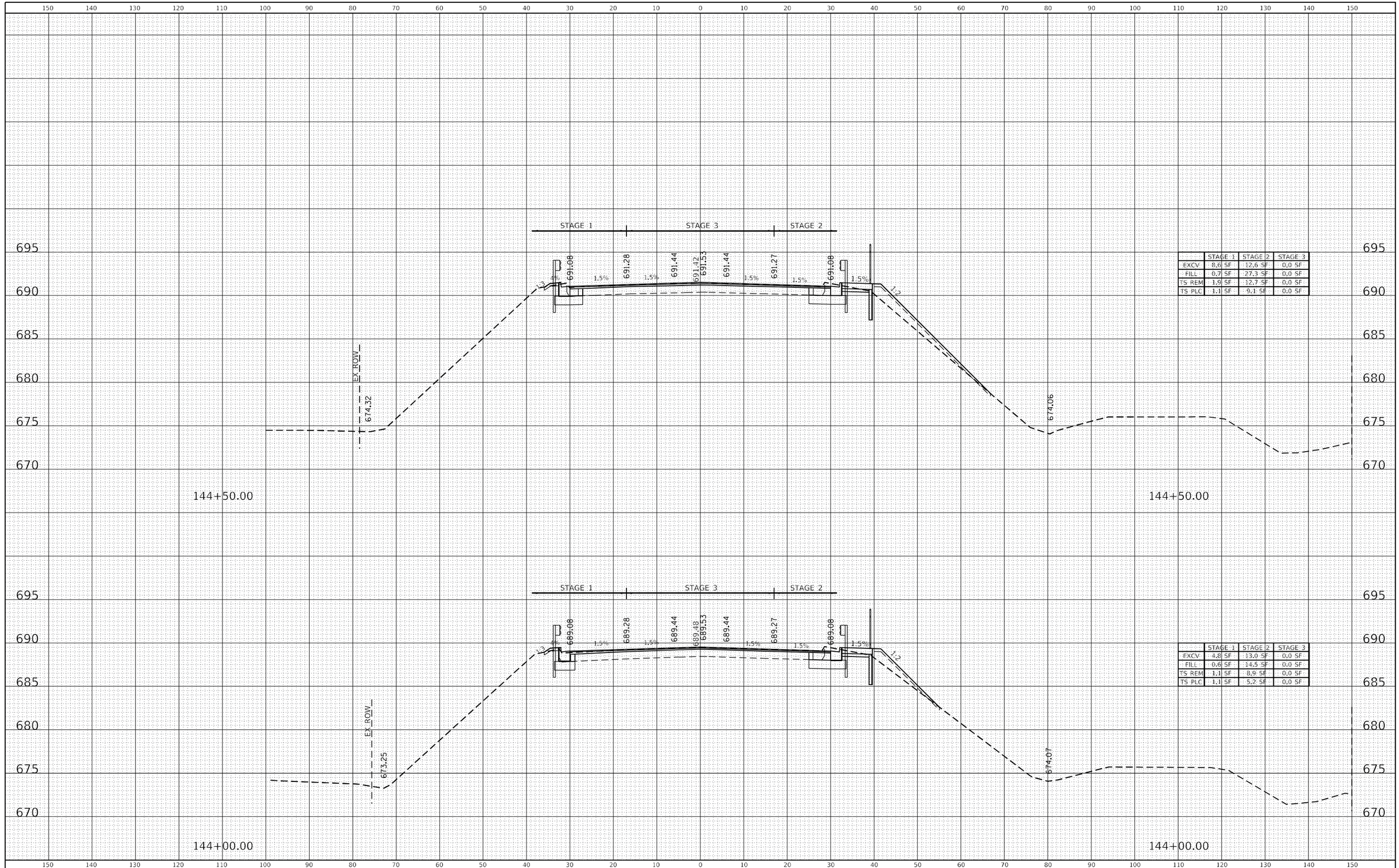
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	117
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

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



	STAGE 1	STAGE 2	STAGE 3
EXCV	8.6 SF	12.6 SF	0.0 SF
FILL	0.7 SF	27.3 SF	0.0 SF
TS REM	1.9 SF	12.7 SF	0.0 SF
TS PLC	1.1 SF	9.1 SF	0.0 SF

	STAGE 1	STAGE 2	STAGE 3
EXCV	4.8 SF	13.0 SF	0.0 SF
FILL	0.6 SF	14.5 SF	0.0 SF
TS REM	1.1 SF	8.9 SF	0.0 SF
TS PLC	1.1 SF	5.2 SF	0.0 SF

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

ENGINEERING RESOURCE ASSOCIATES

$FILE$

USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

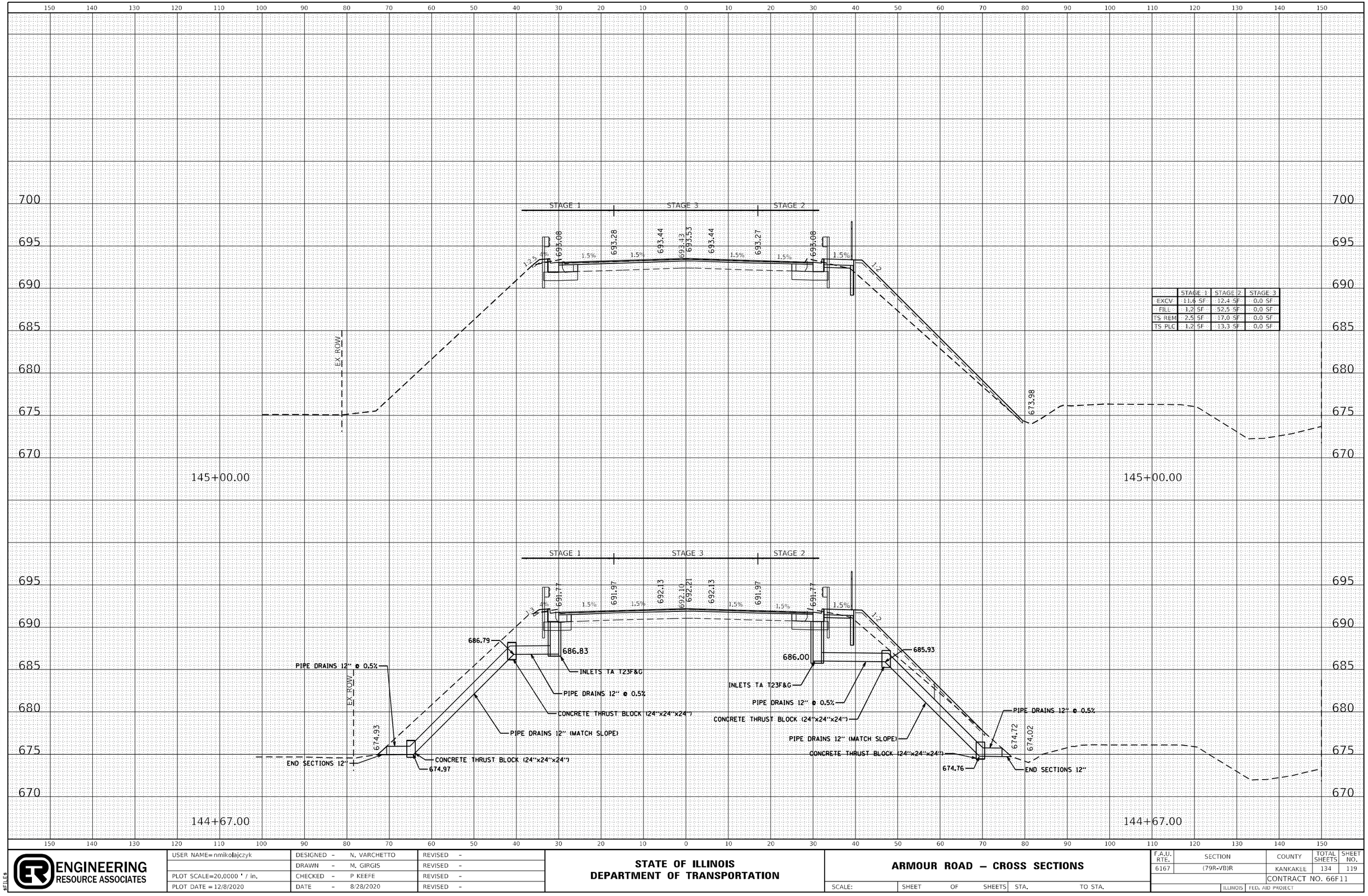
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	118
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

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



	STAGE 1	STAGE 2	STAGE 3
EXCV	11.6 SF	12.4 SF	0.0 SF
FILL	1.2 SF	52.5 SF	0.0 SF
TS REM	2.5 SF	17.0 SF	0.0 SF
TS PLC	1.2 SF	13.3 SF	0.0 SF

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

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

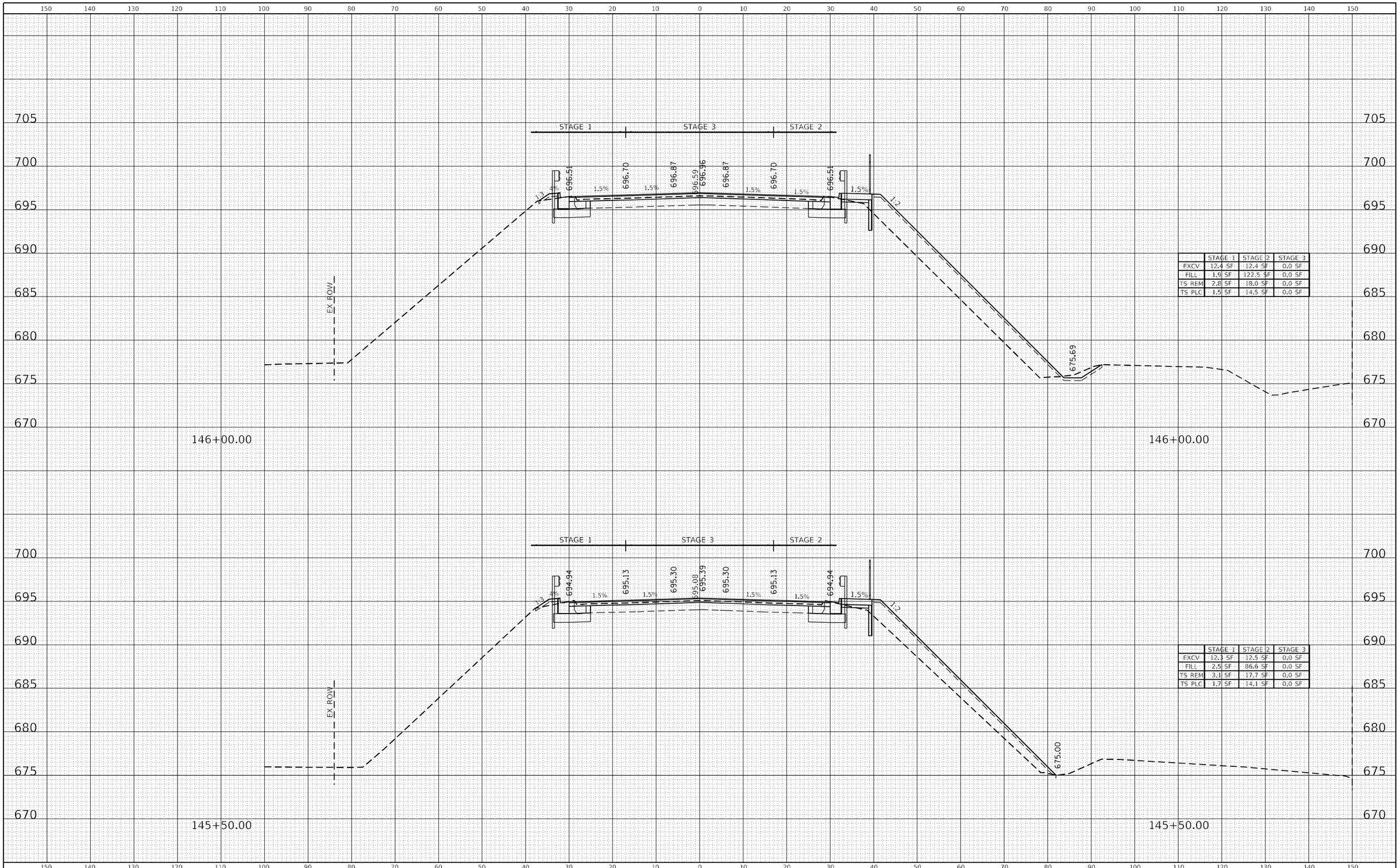
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	119
		CONTRACT NO. 66F11		
		ILLINOIS FED. AID PROJECT		

$FILE$



	STAGE 1	STAGE 2	STAGE 3
EXCV	12.4 SF	12.4 SF	0.0 SF
FILL	1.9 SF	122.5 SF	0.0 SF
TS REM	2.8 SF	18.0 SF	0.0 SF
TS PLC	1.5 SF	14.5 SF	0.0 SF

	STAGE 1	STAGE 2	STAGE 3
EXCV	12.3 SF	12.5 SF	0.0 SF
FILL	2.5 SF	86.6 SF	0.0 SF
TS REM	3.1 SF	17.7 SF	0.0 SF
TS PLC	1.7 SF	14.1 SF	0.0 SF

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

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

ENGINEERING RESOURCE ASSOCIATES

USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

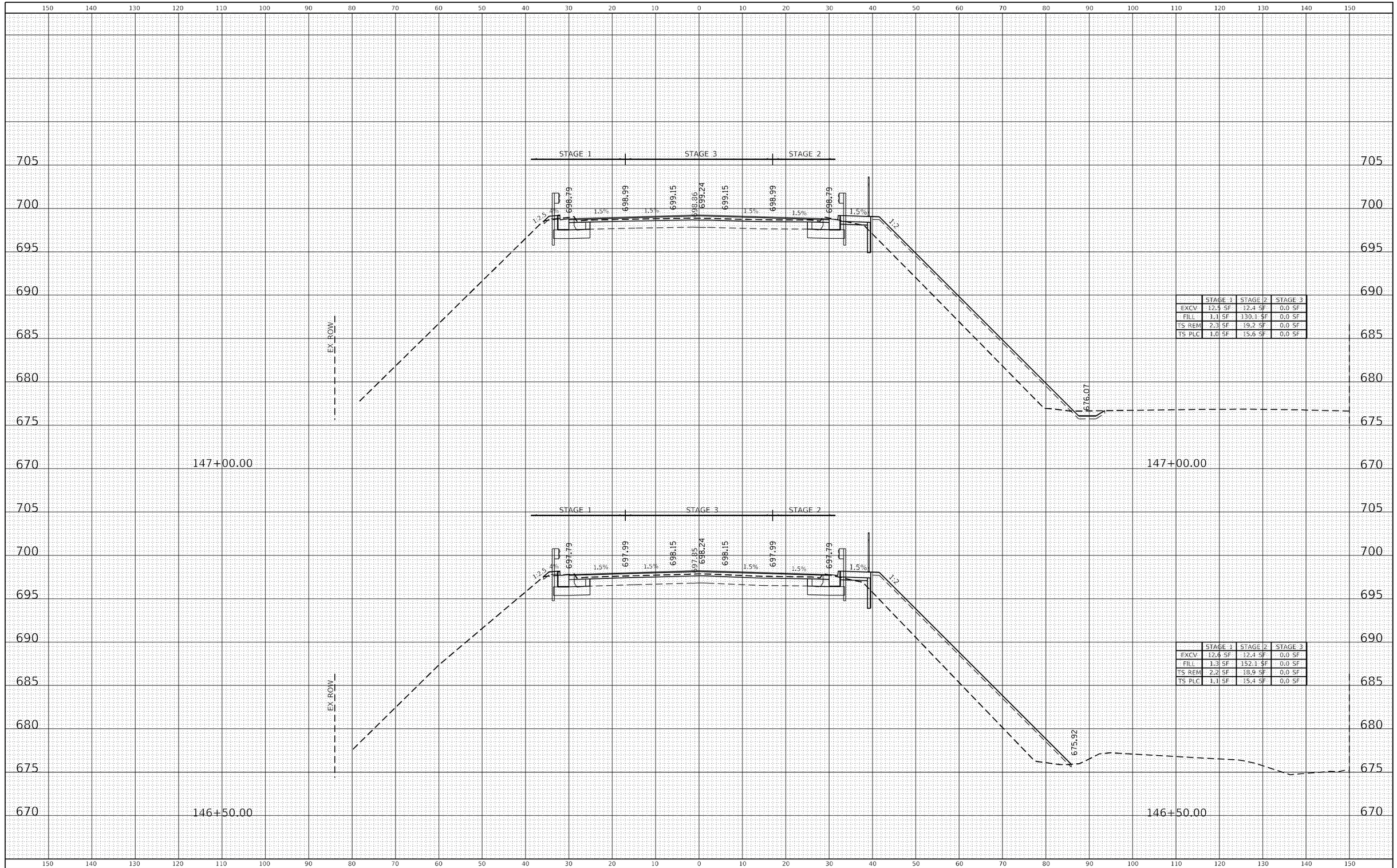
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	120
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

$FILE$



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

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

BY	DATE

ENGINEERING RESOURCE ASSOCIATES

$FILE$

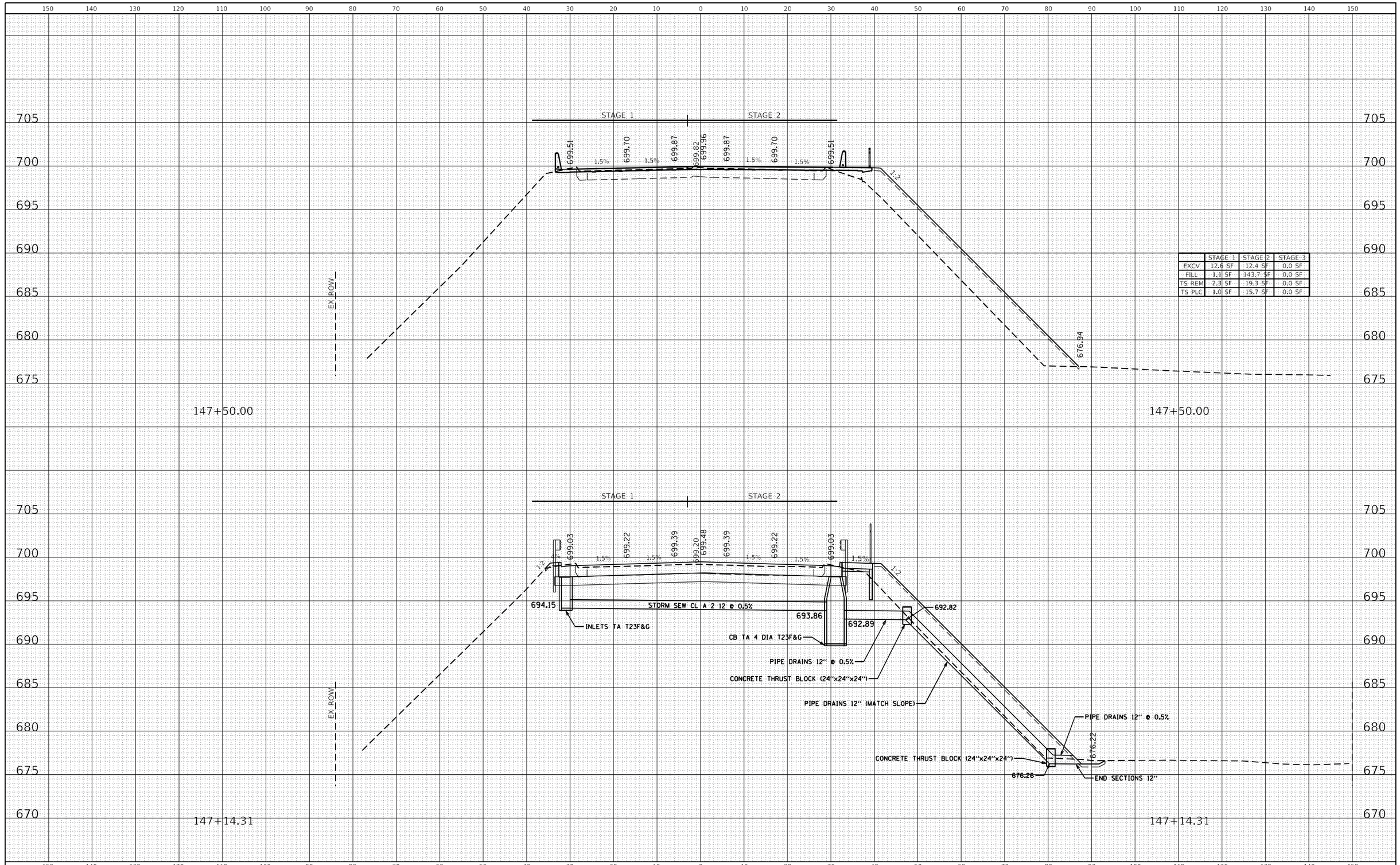
USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	121
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



	STAGE 1	STAGE 2	STAGE 3
EXCV	12.6 SF	12.4 SF	0.0 SF
FILL	1.1 SF	143.7 SF	0.0 SF
TS REM	2.3 SF	19.3 SF	0.0 SF
TS PLC	1.0 SF	15.7 SF	0.0 SF

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

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

$FILE$

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

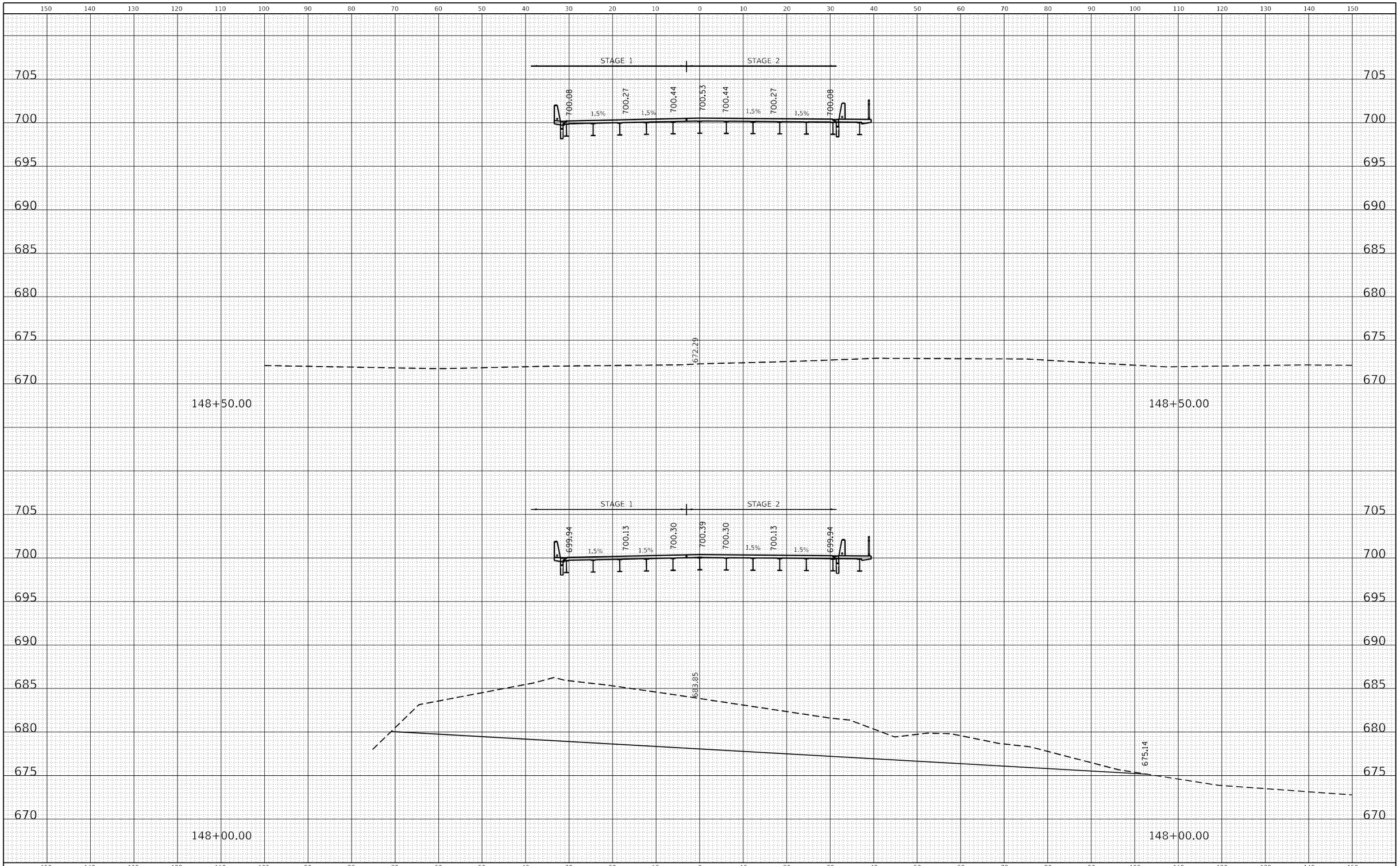
ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	122
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

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

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



USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

ENGINEERING RESOURCE ASSOCIATES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	123
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

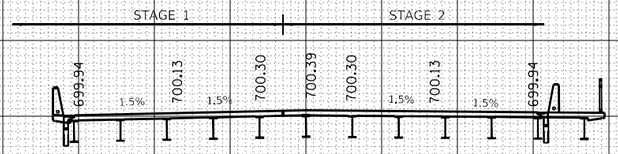
$FILE$

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

BY	DATE

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

BY	DATE



ENGINEERING RESOURCE ASSOCIATES

USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

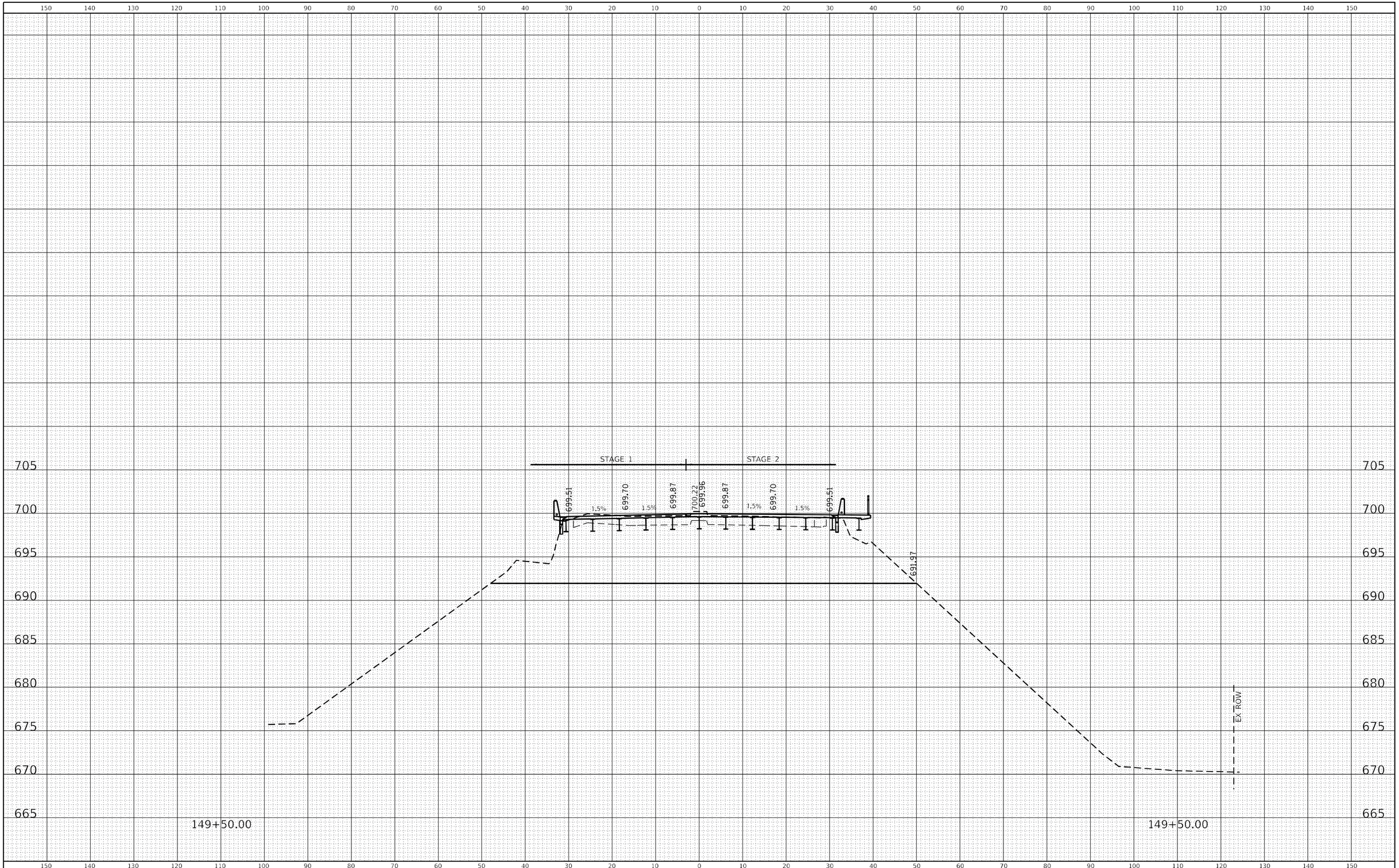
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	124
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

$FILE$

FINAL SURVEY	
NOTE BOOK	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	



ORIGINAL SURVEY	
NOTE BOOK	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

ENGINEERING RESOURCE ASSOCIATES

$FILE$

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

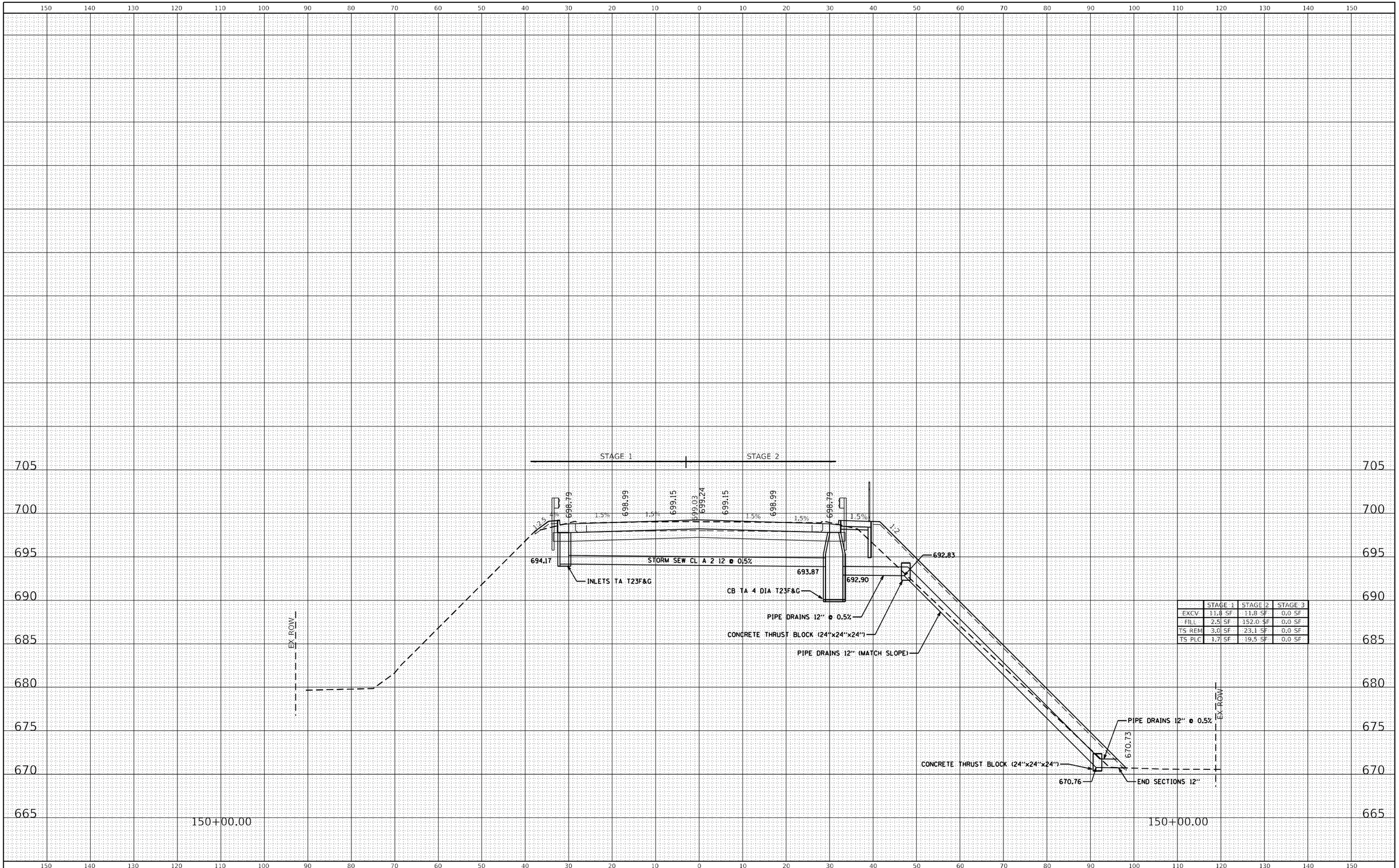
ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	125
		CONTRACT NO. 66F11		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
ORIGINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



	STAGE 1	STAGE 2	STAGE 3
EXCV	11.8 SF	11.8 SF	0.0 SF
FILL	2.5 SF	152.0 SF	0.0 SF
TS REM	3.0 SF	23.1 SF	0.0 SF
TS PLC	1.7 SF	19.5 SF	0.0 SF

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.

ENGINEERING RESOURCE ASSOCIATES

$FILE$

USER NAME = nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	126
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	
NOTE BOOK	
NO.	

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

	STAGE 1	STAGE 2	STAGE 3
EXCV.	11.6 SF	12.0 SF	0.0 SF
FILL	2.4 SF	172.2 SF	0.0 SF
TS REM	3.0 SF	22.1 FS	0.0 SF
TS PLC	1.6 SF	17.6 SF	0.0 SF

ENGINEERING RESOURCE ASSOCIATES			
USER NAME= nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	127
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

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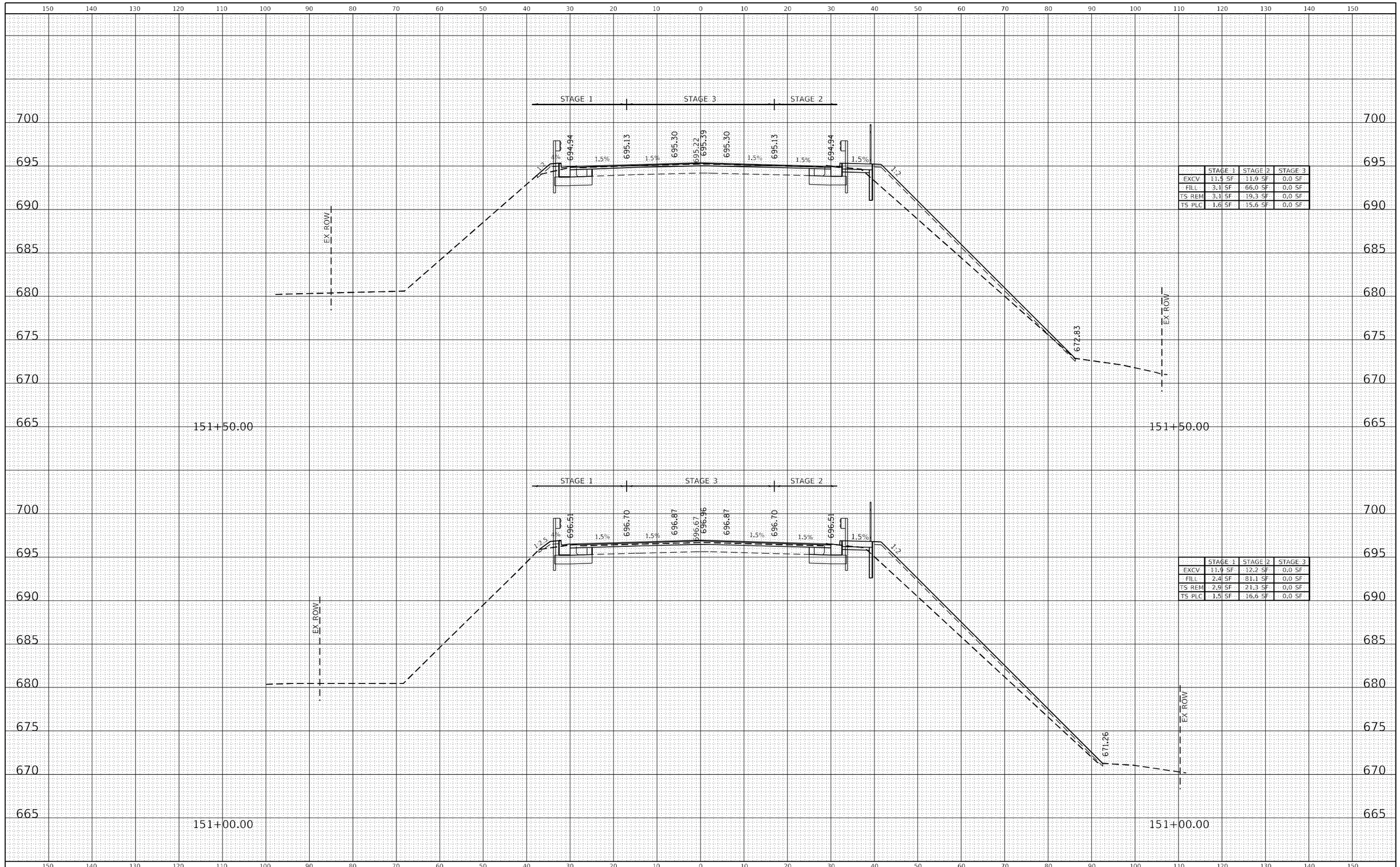


FINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

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

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

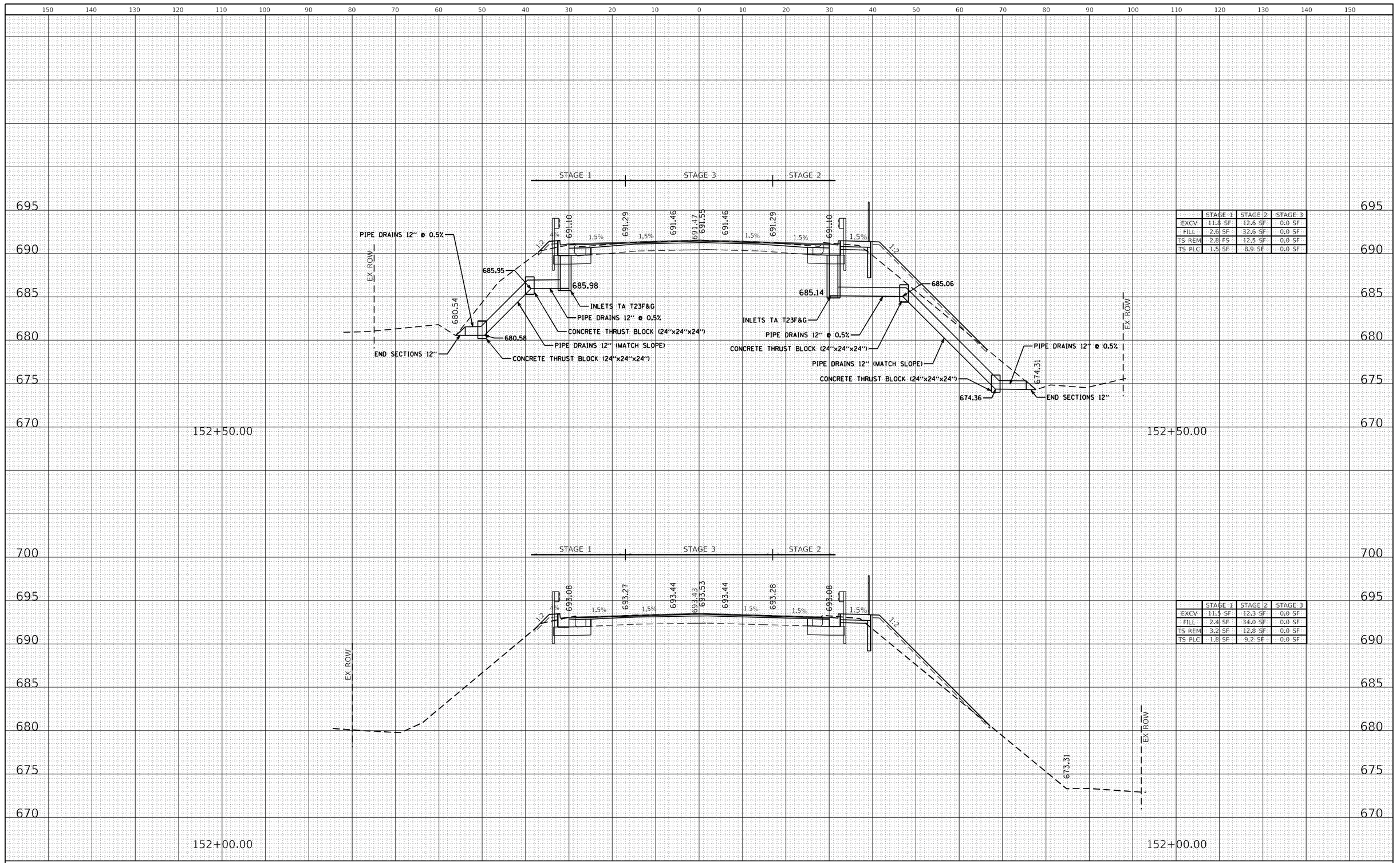
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	128
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

$FILE$



	STAGE 1	STAGE 2	STAGE 3
EXCV	11.8 SF	12.6 SF	0.0 SF
FILL	2.6 SF	32.6 SF	0.0 SF
TS REM	2.8 FS	12.5 SF	0.0 SF
TS PLC	1.5 SF	8.9 SF	0.0 SF

	STAGE 1	STAGE 2	STAGE 3
EXCV	11.5 SF	12.3 SF	0.0 SF
FILL	2.4 SF	34.0 SF	0.0 SF
TS REM	3.2 SF	12.8 SF	0.0 SF
TS PLC	1.8 SF	9.2 SF	0.0 SF

ENGINEERING RESOURCE ASSOCIATES	USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
		DRAWN - M. GIRGIS	REVISED -
	PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
	PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	129
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

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

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

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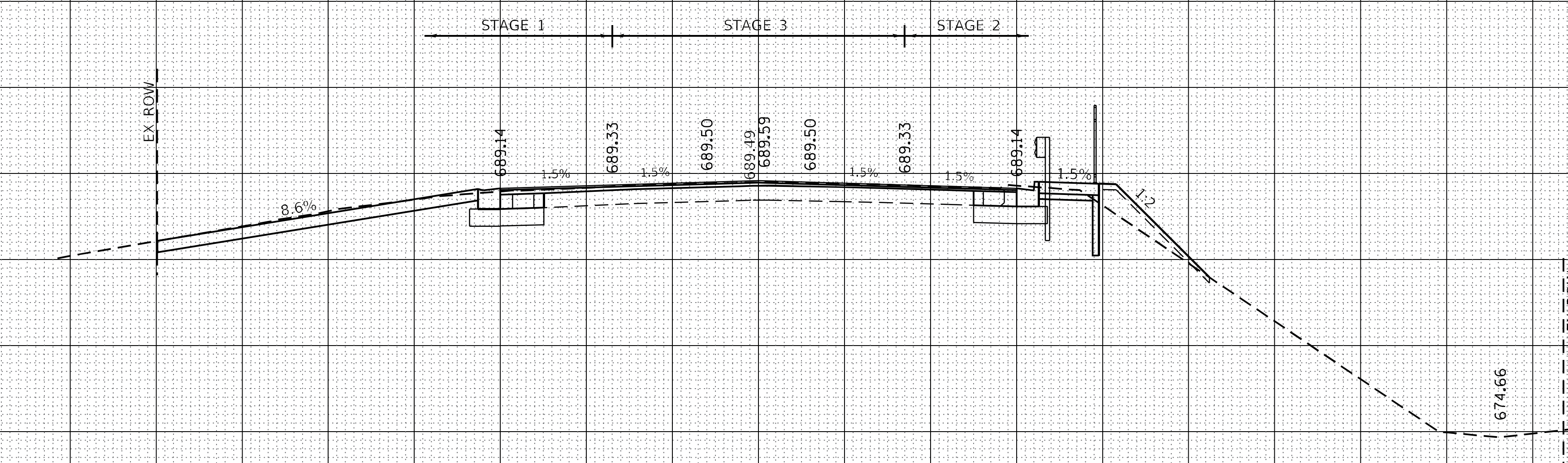
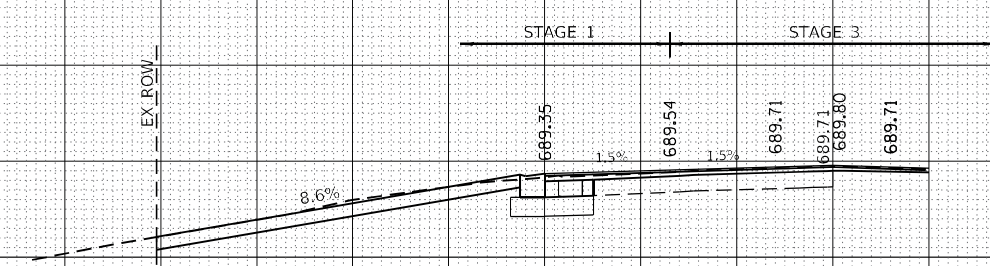


	STAGE 1	STAGE 2	STAGE 3
EXCV	9.7 SF	12.3 SF	0.0 SF
FILL	0.0 SF	15.9 SF	0.0 SF
TS REM	0.0 SF	7.9 SF	0.0 SF
TS PLC	0.0 SF	4.3 SF	0.0 SF

153+00.00



152+94.56

ENGINEERING RESOURCE ASSOCIATES

USER NAME = nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - P KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

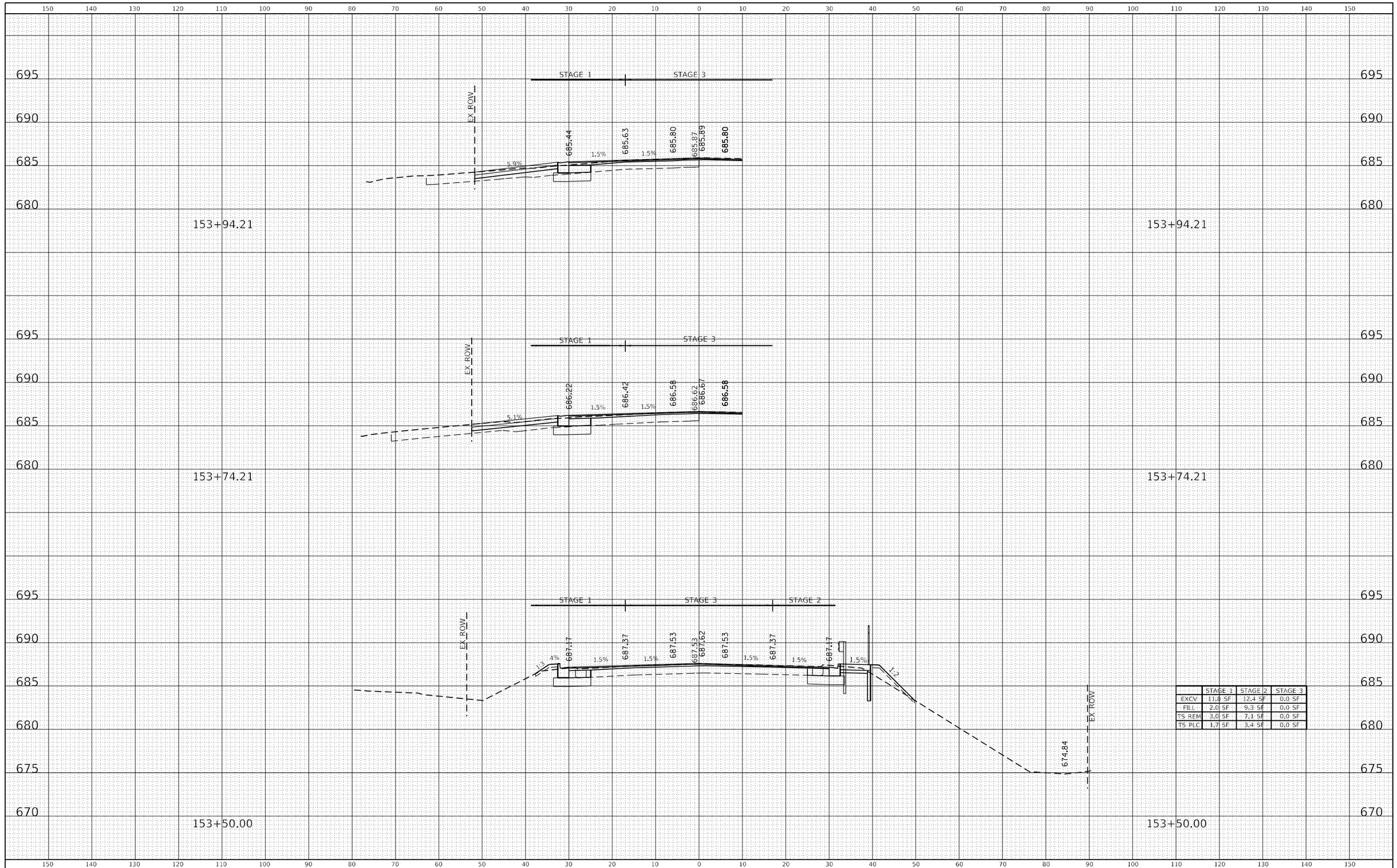
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	130

CONTRACT NO. 66F11

ILLINOIS FED. AID PROJECT

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

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



	STAGE 1	STAGE 2	STAGE 3
EXCV	11.8 SF	12.4 SF	0.0 SF
FILL	2.0 SF	9.3 SF	0.0 SF
TS REM	3.0 SF	7.1 SF	0.0 SF
TS PLC	1.7 SF	3.4 SF	0.0 SF

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

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

ENGINEERING RESOURCE ASSOCIATES

$FILE$

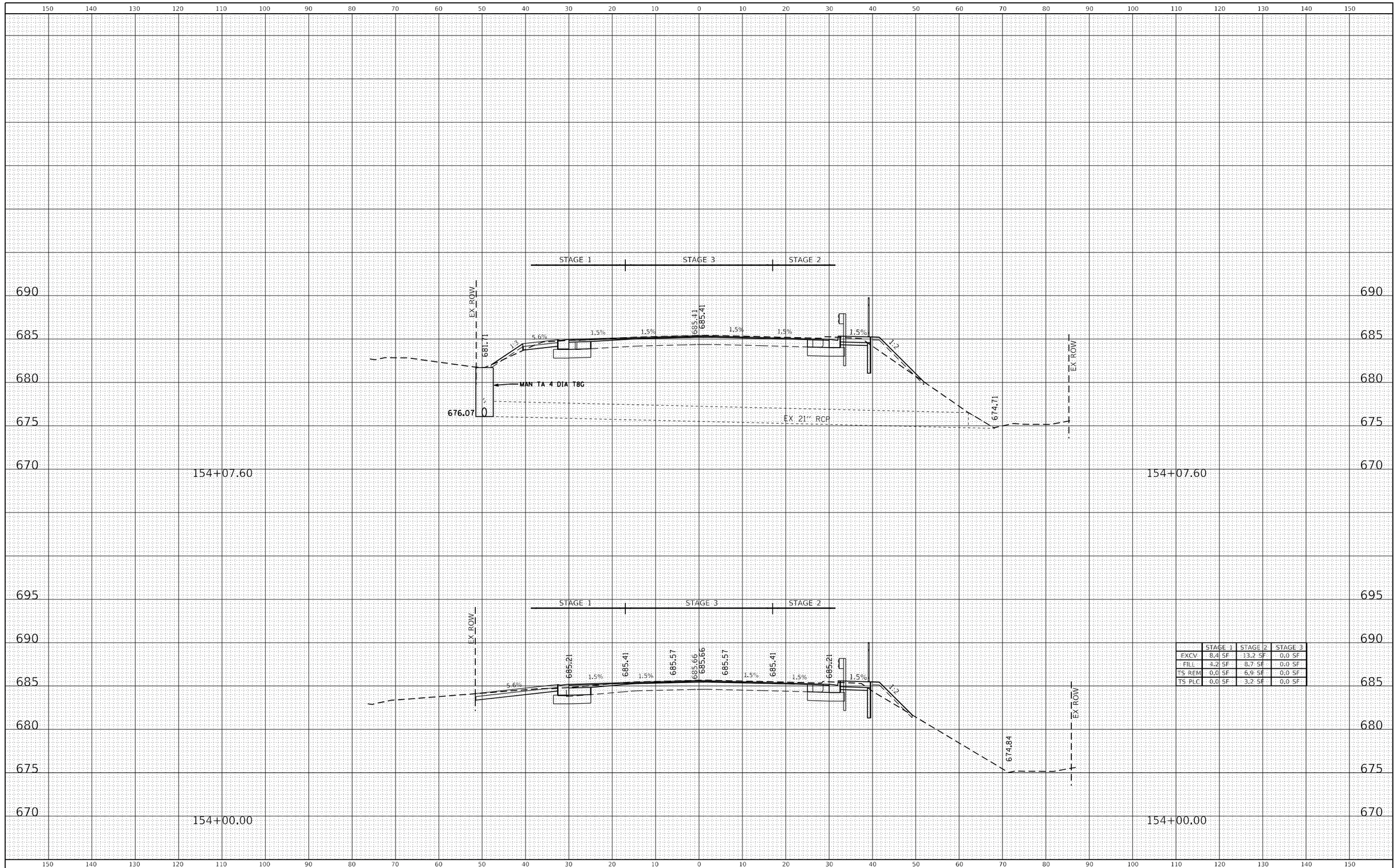
USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	131
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



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

BY	DATE

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

BY	DATE

ENGINEERING RESOURCE ASSOCIATES

$FILE$

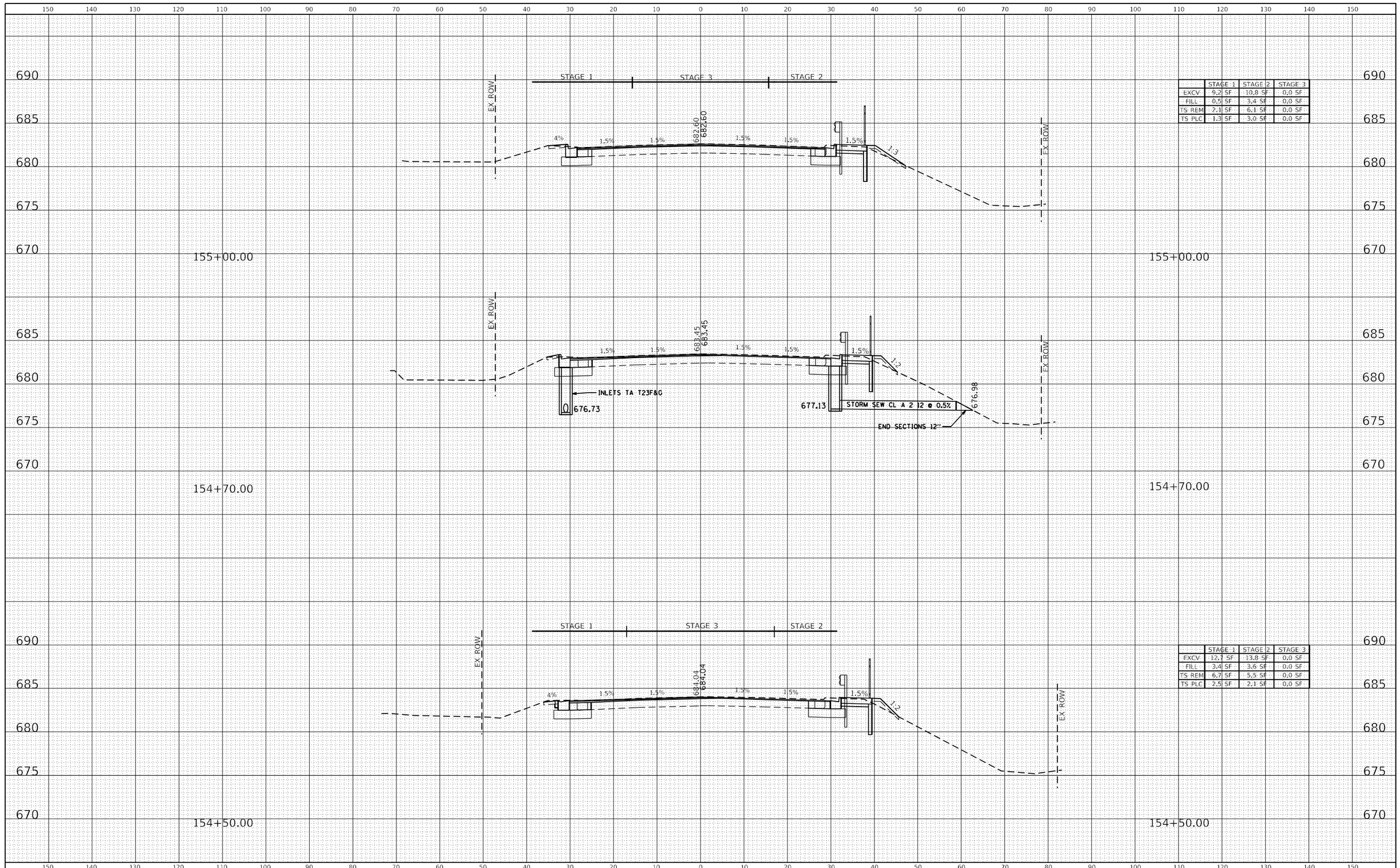
USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -	
	DRAWN - M. GIRGIS	REVISED -	
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -	
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	132
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	



	STAGE 1	STAGE 2	STAGE 3
EXCV	9.2 SF	10.8 SF	0.0 SF
FILL	0.5 SF	3.4 SF	0.0 SF
TS REM	2.1 SF	6.1 SF	0.0 SF
TS PLC	1.3 SF	3.0 SF	0.0 SF

	STAGE 1	STAGE 2	STAGE 3
EXCV	12.7 SF	13.8 SF	0.0 SF
FILL	3.4 SF	3.6 SF	0.0 SF
TS REM	6.7 SF	5.5 SF	0.0 SF
TS PLC	2.5 SF	2.1 SF	0.0 SF

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

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

ENGINEERING RESOURCE ASSOCIATES

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	133
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	

$FILE$

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

690
685
680
675
670

156+50.00

EX ROW

679.39

EX ROW

690
685
680
675
670

156+50.00

EX ROW

680.29

EX ROW

690
685
680
675
670

156+00.00

EX ROW

STAGE 1 STAGE 3 STAGE 2

4% 1.5% 1.5% 681.34 1.5% 1.5% 1.5%

1:4

EX ROW

690
685
680
675
670

156+00.00

690
685
680
675
670

155+50.00

155+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

	STAGE 1	STAGE 2	STAGE 3
EXCV	4.6 SF	5.3 SF	0.0 SF
FILL	1.5 SF	5.2 SF	0.0 SF
TS REM	3.5 SF	7.8 SF	0.0 SF
TS PLC	3.5 SF	5.6 SF	0.0 SF

ENGINEERING RESOURCE ASSOCIATES

$FILE$

USER NAME=nmikolajczyk	DESIGNED - N. VARCHETTO	REVISED -
	DRAWN - M. GIRGIS	REVISED -
PLOT SCALE=20.0000 ' / in.	CHECKED - P KEEFE	REVISED -
PLOT DATE = 12/8/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMOUR ROAD – CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6167	(79R-VB)R	KANKAKEE	134	134
		CONTRACT NO. 66F11		
		ILLINOIS	FED. AID PROJECT	