

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17*	1
ILLINOIS CONTRACT NO. 72M30				

* 17 + 1 = 18 TOTAL SHEETS

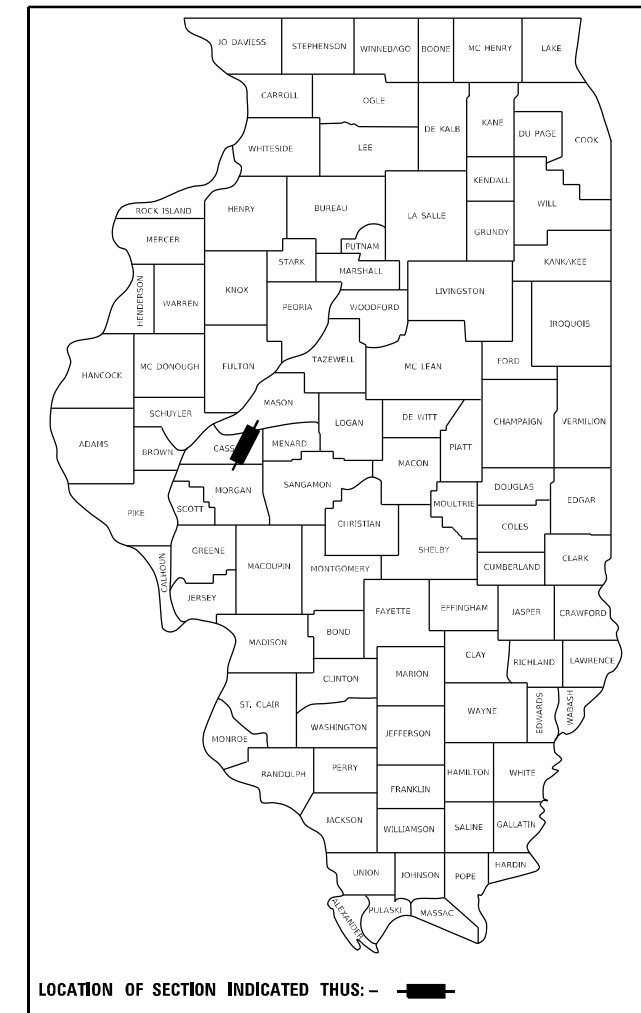
INDEX OF SHEETS

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- 2 GENERAL NOTES, COMMITMENTS & STANDARDS
- 3-4 SUMMARY OF QUANTITIES
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- 17A WIDTH RESTRICTION SIGNING DETAIL

PROPOSED
HIGHWAY PLANS

FAP 614 (IL 78)
SECTION (145) BDR
BRIDGE DECK OVERLAY
PROJECT: STP-5M9A(516)
CASS COUNTY

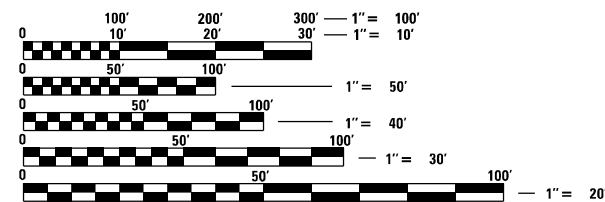
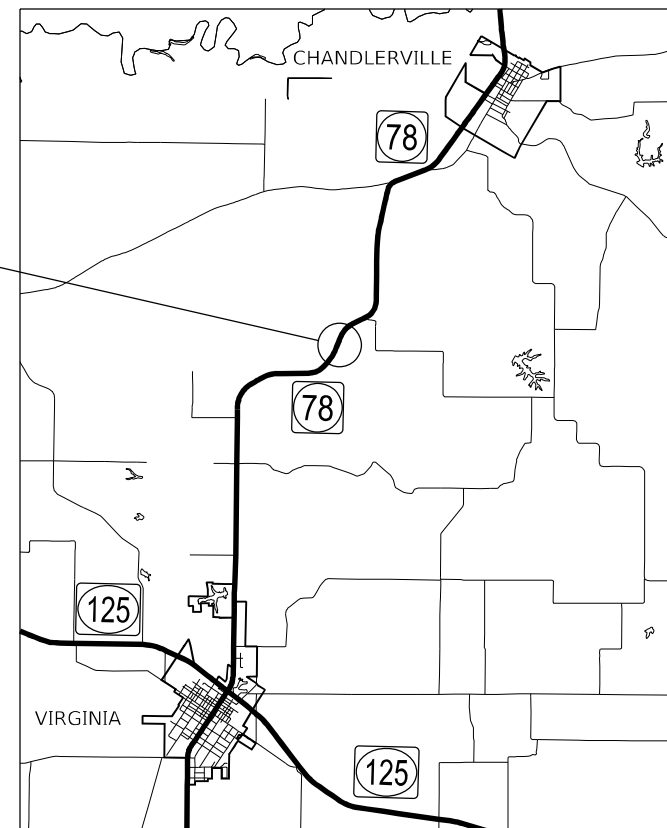
D-96-100-20



FOR INDEX OF SHEETS, SEE SHEET NO. 2

C-96-130-20

SN 009-0013
IL-78 OVER LITTLE JOBS CREEK
STA 137 + 70.38



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: JON KELLEY (217) 785-2739
PROJECT MANAGER: CLOYD JACK (217) 524-0064
DESIGNER: FRANK CARABALLO (217) 524-7697
CONTRACT NO. 72M30

GROSS LENGTH = 550.00 FT. = 0.100 MILE
NET LENGTH = 170.00 FT. = 0.032 MILE

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL
2019 ADT = 1,450
PV = 86.21% SU = 6.21% MU = 7.59%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 23 2022

John P. Meyer
REGIONAL ENGINEER

May 13, 2022 *Scott A. Etkin*
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022 *Stephen M. Smith*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.
2. SYNTHETIC FIBERS ARE NOT REQUIRED IN THE BRIDGE DECK MICROSILICA CONCRETE OVERLAY.

STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031-17 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635001-02 DELINEATORS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701316-13 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS ≥ 45 MPH
- 701901-08 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 610001-09 SHOULDER INLET WITH CURB
- 780001-05 TYPICAL PAVEMENT MARKINGS

COMMITMENTS

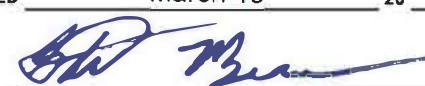
APPLICATION RATES

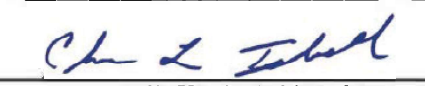
BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS/SQ FT (MILLED SURFACE)
HOT-MIX ASPHALT MATERIAL	0.056 TON/SQ YD PER 1"
AGGREGATE WEDGE SHOULDER	1.60 TONS/CU YD

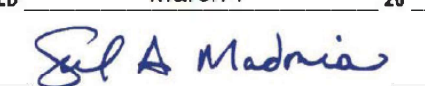
Mixture Use:	HMA Surface Course	HMA Shoulders
PG Grade:	PG 64-22	PG 64-22
Design Air Voids:	4.0% @ N50	4.0% @ N50
Mixture Composition:	IL-9.5	IL-9.5
Friction Aggregate:	Mix "C"	Mix "C"
Quality Management:	QC/QA	QC/QA
Sublot Size:	N/A	N/A

NUCLEAR GAUGES WILL BE USED FOR DENSITY VERIFICATION BY THE ENGINEER FOR QC/QA ITEMS.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

EXAMINED March 15 2022

ENGINEER OF OPERATIONS

EXAMINED March 9 2022

ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED March 7 2022

ENGINEER OF PROGRAM DEVELOPMENT

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PLOT DATE = 3/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
& COMMITMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M30	

CODE	ITEM	UNIT	TOTAL	6-01459-0000
				80% FEDERAL 20% STATE BRIDGE 0047 SN 009-0013
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	94	94
70300100	SHORT TERM PAVEMENT MARKING	FOOT	55	55
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	19	19
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
* 78009005	MODIFIED URETHANE PAVEMENT MARKING -- LINE 5"	FOOT	1790	1790
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	24	24
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	4
78300201	PAVEMENT MARKING REMOVAL, GRINDING	SQ FT	385	385
X6320100	GUARDRAIL REMOVAL, SPECIAL	FOOT	764	764
X6024503	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL)	EACH	2	2
X7200201	WIDTH RESTRICTION SIGNING	LSUM	1	1
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	595	595
Z0012164	BRIDGE DECK MICROSILICA OVERLAY 2 1/2"	SQ YD	595	595
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	5	5
Z0041895	POLYMER CONCRETE	CU FT	4.2	4.2

* SPECIALTY ITEM

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USER NAME = caraballoj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -						614	(145)BDR	CASS	17	4
PLOT DATE = 3/18/2022	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 72M30				
DATE -	REVISED -							ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE						
LOCATION		63000001	63100085	63100167	78200005	X6320100
STATION	TO STATION	STEEL PLATE BEAM GUARDRAIL, TYPE A 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL TANGENT)	GUARDRAIL REFLECTORS TYPE A	GUARDRAIL REMOVAL, SPECIAL
		FOOT	EACH	EACH	EACH	FOOT
135+68.0	LT - 136+18.0			1		50.0
136+18.0	LT - 136+82.5	64.5				64.5
136+82.5	LT - 137+20.0		1			37.5
138+18.0	LT - 138+55.5		1			38
138+55.5	LT - 139+98.0	142.5				142.5
139+98.0	LT - 140+48.0			1		50
135+12.0	RT - 135+62.0			1		50
135+62.0	RT - 137+02.5	140.5				140.5
137+02.5	RT - 137+40.0		1			37.5
138+28.0	RT - 138+65.5		1			38
138+65.5	RT - 139+32.0	66.5				66.5
139+32.0	RT - 139+82.0			1		50
135+68.0	LT - 137+20.0				5	
138+18.0	LT - 140+48.0				7	
135+12.0	RT - 137+40.0				7	
138+28.0	RT - 139+82.0				5	
TOTALS		414	4	4	24	764

PAVEMENT MARKING SCHEDULE							
LOCATION		DESCRIPTION	70300100	70300150	78009005	78300200	78300201
STATION	TO STATION		SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVEMENT MARKING REMOVAL	MODIFIED URATHANE PAVEMENT MARKING - LINE 5"	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL GRINDING
		TYPE	COLOR	FOOT	SQ FT	FOOT	EACH
135+00	CL - 140+50	SKIP DASH	YELLOW	55	19		
135+00	LT - 140+50	SOLID EDGE LINE	WHITE			550	
135+00	CL - 140+50	SOLID NO PASS (NB)	YELLOW			550	
135+00	CL - 140+50	SKIP DASH	YELLOW			140	
135+00	RT - 140+50	SOLID EDGE LINE	WHITE			550	
135+00	- 136+88						2
138+53	- 140+50						2
135+90	LT 139+50	EDGE LINE REMOVAL					150
134+05	CL 141+44	CENTERLINE REMOVAL					77
135+90	RT 139+70	EDGE LINE REMOVAL					158
TOTALS				55	19	1,790	4

PAVING SCHEDULE							
LOCATION		WIDTH	40600290	40600982	40604050	48102100	48203100
STATION	TO STATION		BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURF. REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	AGGREGATE WEDGE SHOULDER - TYPE B	HOT-MIX ASPHALT SHOULDERS
		FOOT	POUND	SQ YD	TON	TON	TON
MAINLINE							
135+00	- 135+50	13	64	178	14		
135+50	- 136+87.50	13	178		39		
BRIDGE OMISSION							
138+52.50	- 140+00	13	192		42		
140+00	- 140+50	13	65	178	15		
SHOULDERS							
135+00	LT - 136+83	3	27		4	6	
135+00	RT - 136+92	3	28		4	7	
138+48	LT - 140+50	3	31		4	7	
138+58	RT - 140+50	3	29		4	7	
TOTALS			614	356	110	16	27

TEMPORARY RAMPS					
LOCATION		DESCRIPTION	LENGTH	WIDTH	40600990
STATION	TO STATION				TEMPORARY RAMP
			FOOT	FOOT	SQ YD
<i>1:40 Taper Rate</i>					
BRIDGE NORTH APPROACH					
136+67.5	- 136+87.5	NB LANE & SHOULDER	6	15	10.0
136+67.5	- 136+87.5	SB LANE & SHOULDER	6	17	12.0
BRIDGE SOUTH APPROACH					
138+52.5	- 138+72.5	NB LANE & SHOULDER	6	15	10.0
138+52.5	- 138+72.5	SB LANE & SHOULDER	6	17	12.0
TOTAL					44

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	5
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				

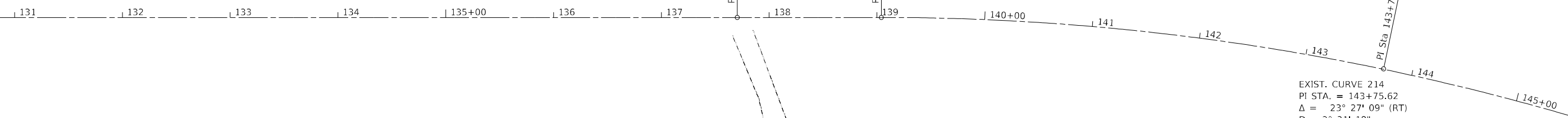
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LITTLE JOBS CREEK



EXIST. CURVE 214
 PI STA. = 143+75.62
 Δ = 23° 27' 09" (RT)
 D = 2° 31' 18"
 R = 2,272.05'
 T = 471.60'
 L = 930.00'
 E = 48.43'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 139+04.02
 P.T. STA. = 148+34.02

Point	North	East	Station
PT 212	1217364.024	2291707.110	129+81.04
POT 213	1216634.850	2291404.853	137+70.38
PC 214	1216511.395	2291353.678	139+04.02

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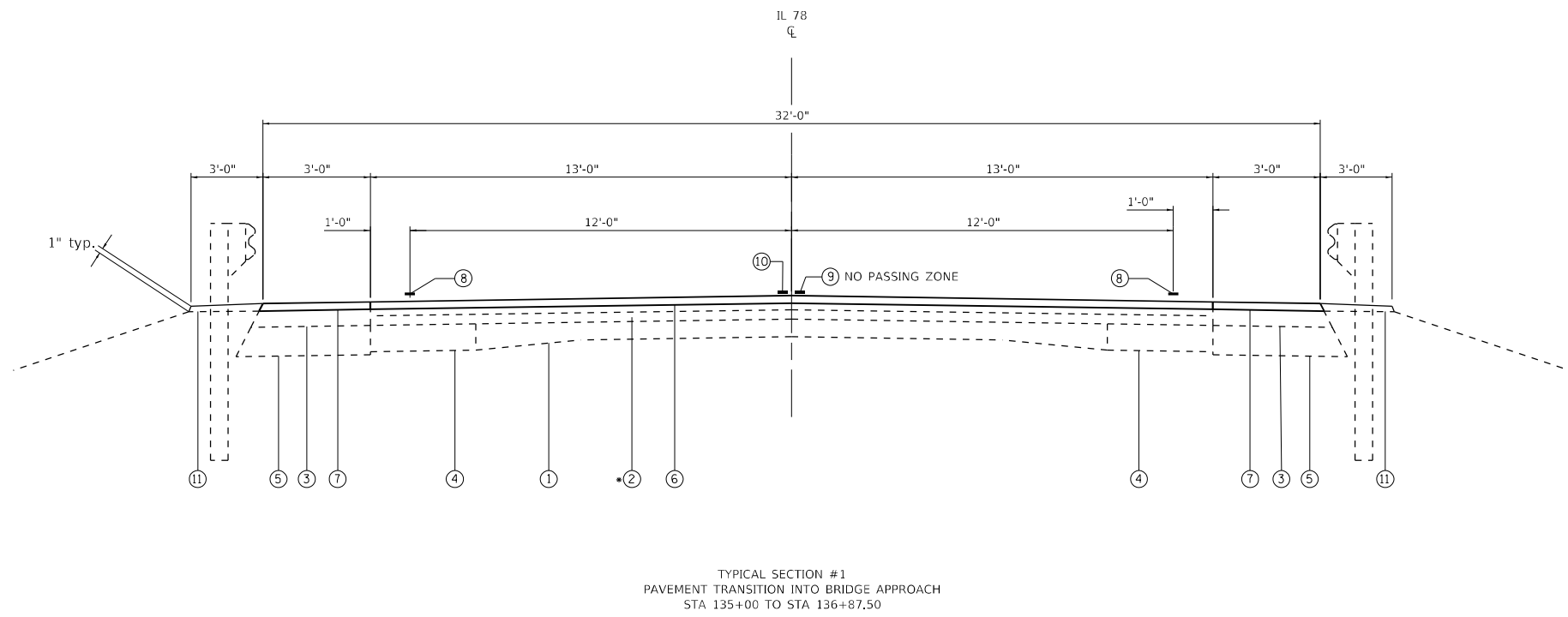
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

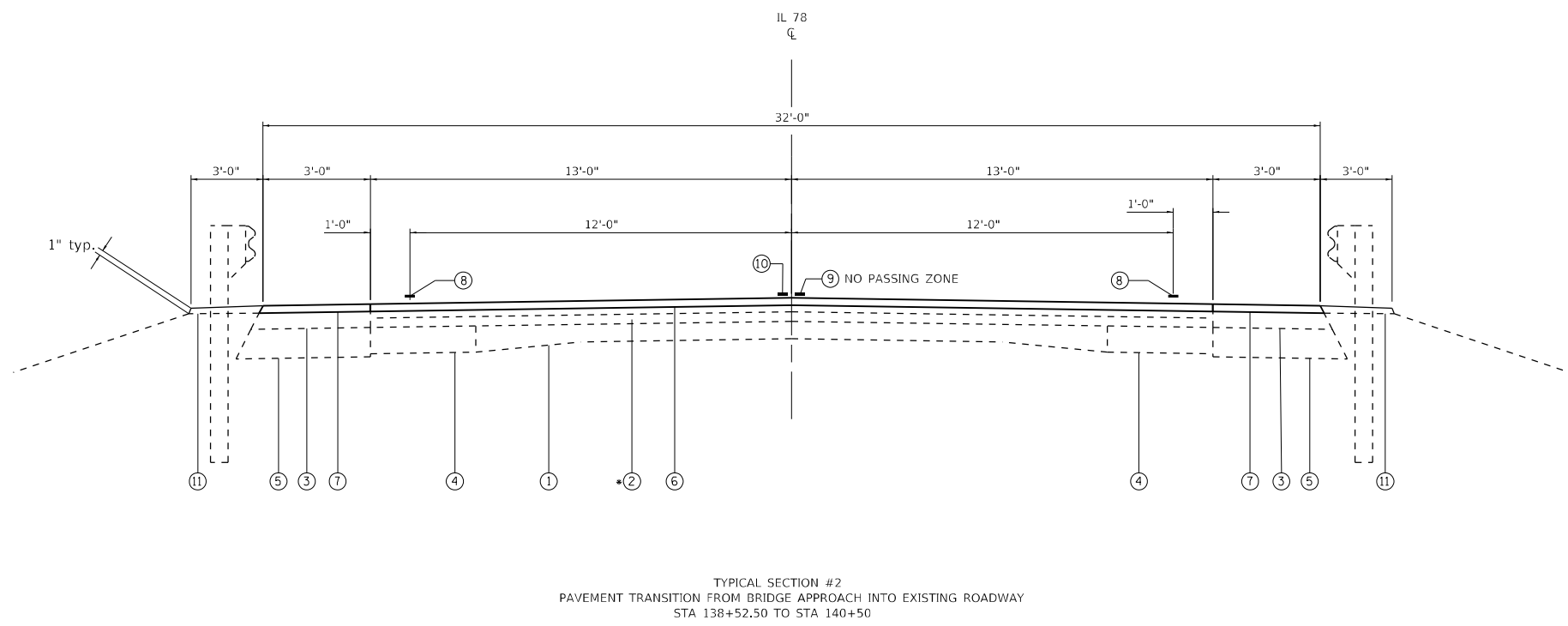
HORIZONTAL ALIGNMENT
& BENCHMARKS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	6
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- ① EX. P.C.C. PAVEMENT (9-6-9)
 - ② EX. BITUMINOUS OVERLAY •
 - 135+00 TO 137+00 - 5 3/4"
 - 137+80.10 TO 140+50 - 3 1/2"
 - ③ EX. BITUMINOUS SHOULDERS
 - ④ EX. BASE COURSE WIDENING 9"
 - ⑤ EX. BASE COURSE WIDENING 10"
 - ⑥ PR. HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX C. N50 - 1 3/4"
 - ⑦ PR. HOT-MIX ASPHALT SHOULDER - 1 3/4"
 - ⑧ PR. MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (WHITE SOLID EDGE)
 - ⑨ PR. MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (YELLOW SOLID CENTER)
 - ⑩ PR. MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (YELLOW SKIP DASH)
 - ⑪ PR. AGGREGATE WEDGE SHOULDER, TYPE B



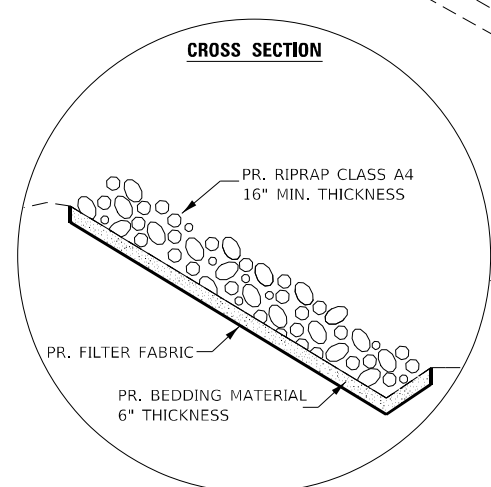
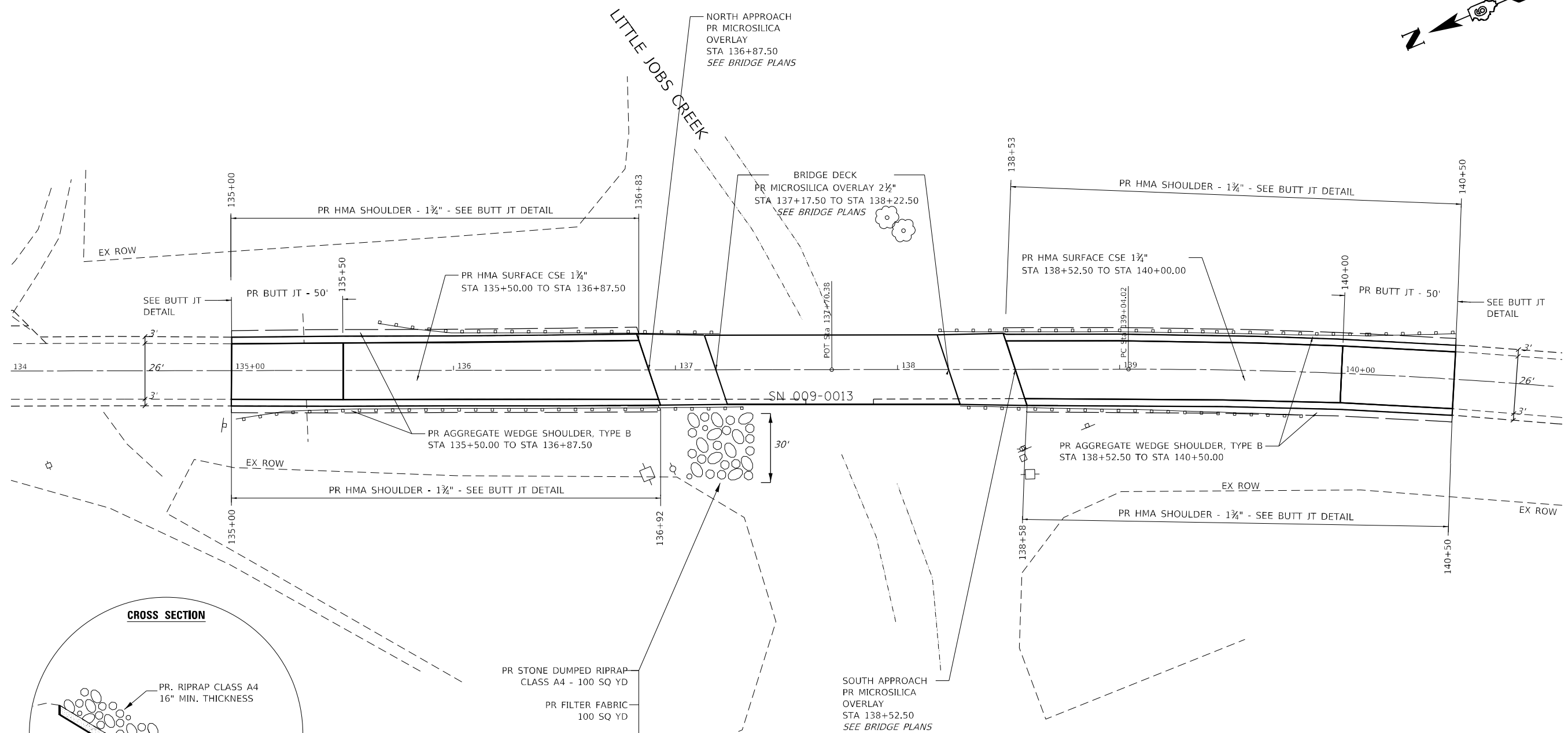
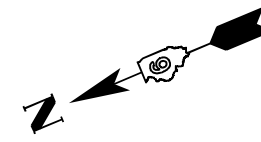
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	7
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				



PR STONE DUMPED RIPRAP
CLASS A4 - 100 SQ YD
PR FILTER FABRIC
100 SQ YD

SOUTH APPROACH
PR MICROSILICA
OVERLAY
STA 138+52.50
SEE BRIDGE PLANS

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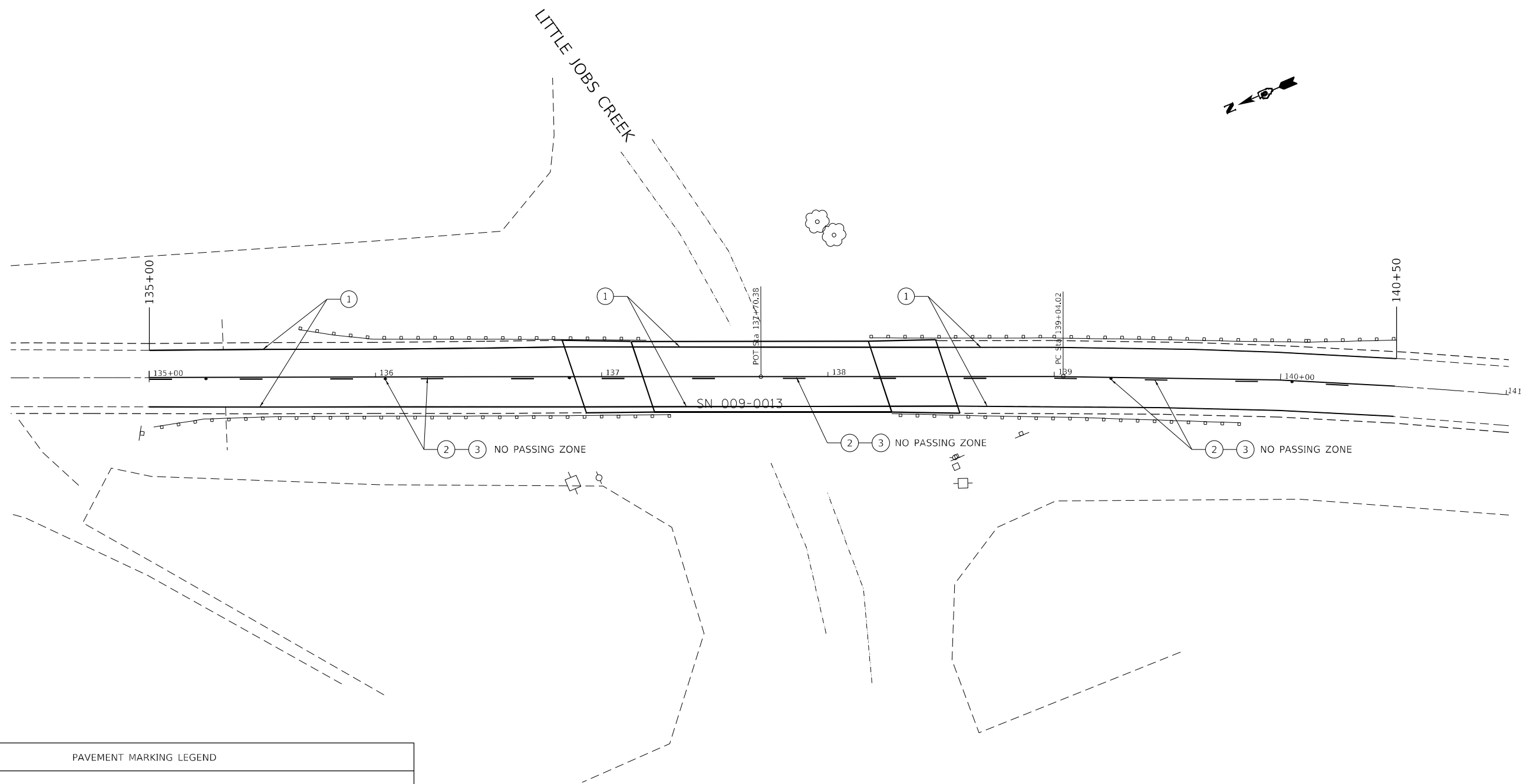
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.

**PLAN
IL-78**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	8
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				

LITTLE JOBS CREEK



PAVEMENT MARKING LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID WHITE)
②	MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (SOLID YELLOW)
③	MODIFIED URETHANE PAVEMENT MARKING - SKIP DASH 5" (10' DASH 30' SKIP - YELLOW)

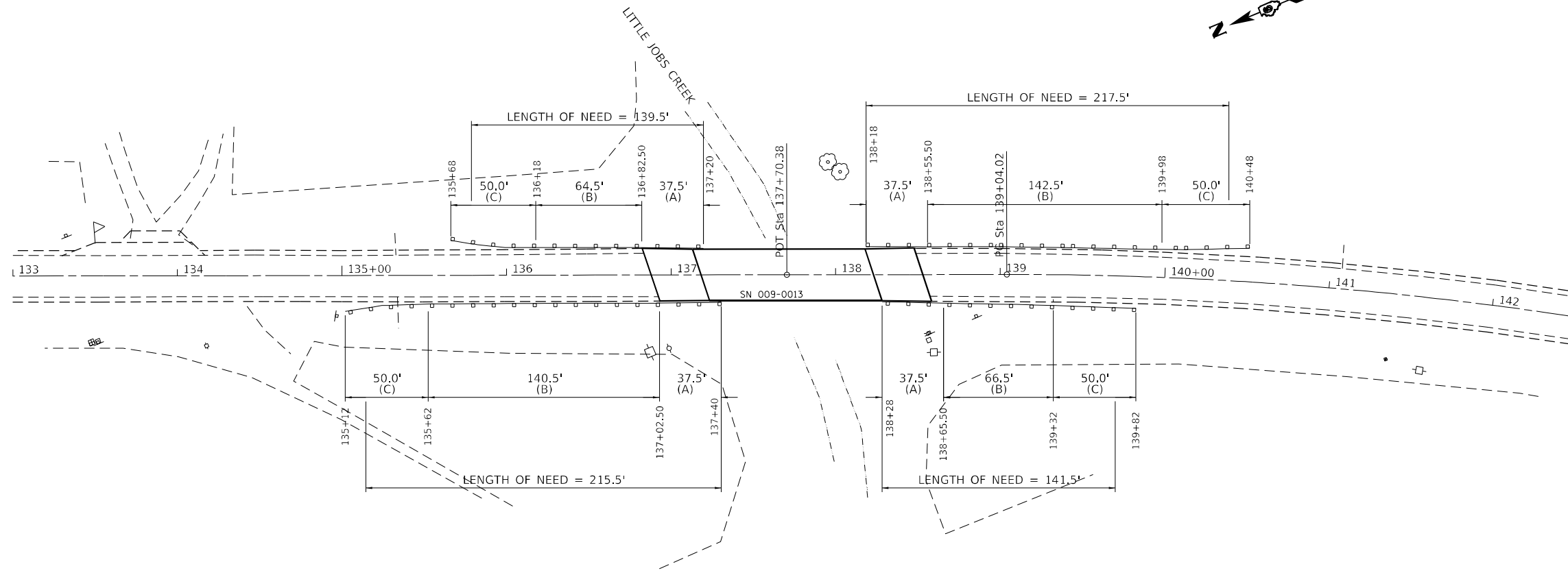
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	9
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				



- (A) = PAY LIMITS FOR PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 6
- (B) = PAY LIMITS FOR PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (C) = PAY LIMITS FOR PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

NOTE: SEE STANDARDS 635001-02 AND 782006-01 FOR GUARDRAIL REFLECTOR SPACING AND MOUNTING.

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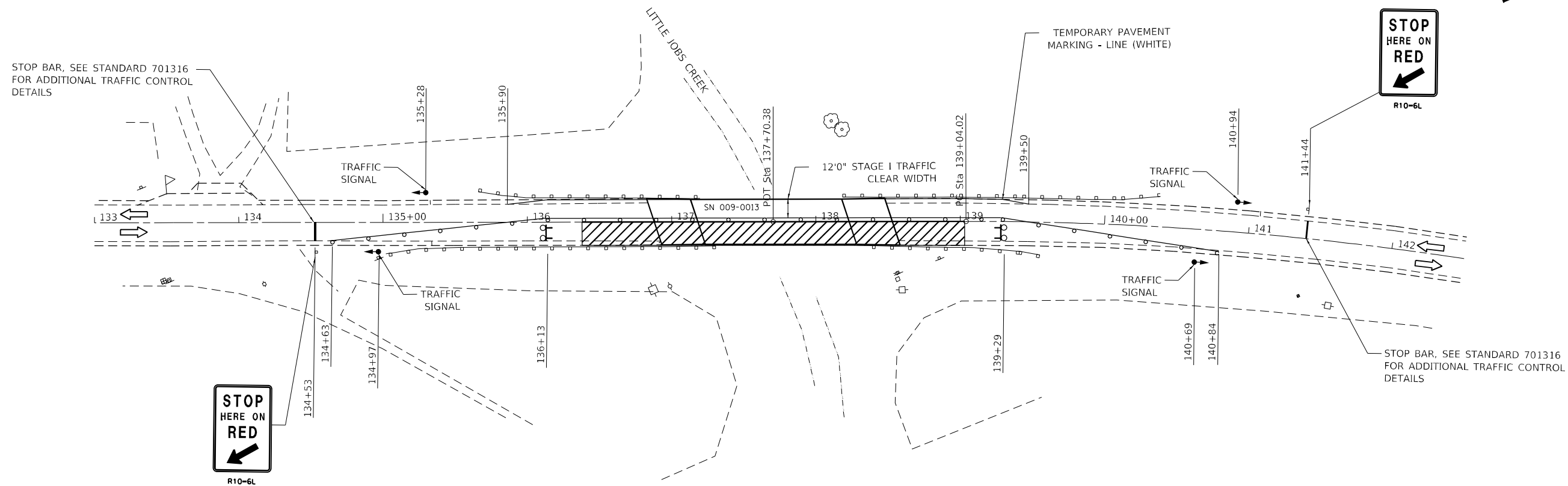
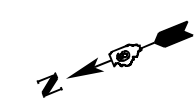
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN
IL 78**

SCALE: SHEET OF SHEETS STA. TO STA.

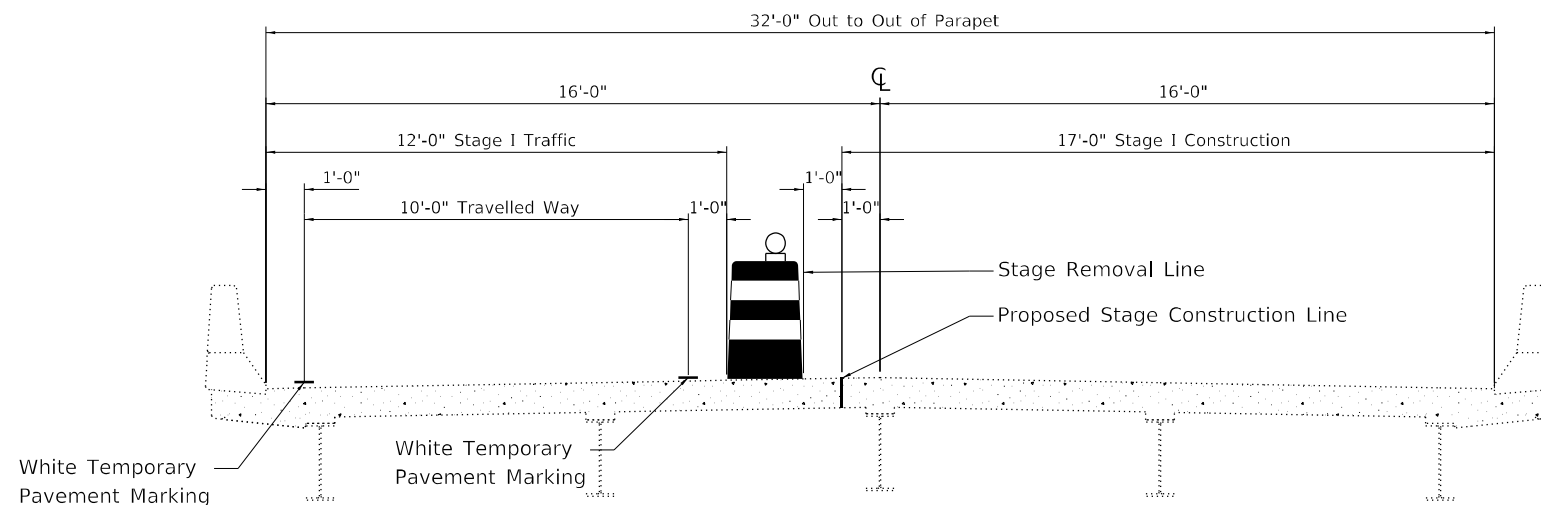
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	10
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				



Stage I Traffic Control

LEGEND:

	TYPE III BARRICADE WITH FLASHING LIGHTS
	TRAFFIC SIGNAL
	DRUM (25' SPACING)
	WORK AREA



Stage I Traffic Control Cross Section Typical - Looking South

(See Highway Standard 701316 for Additional Traffic Control Details)

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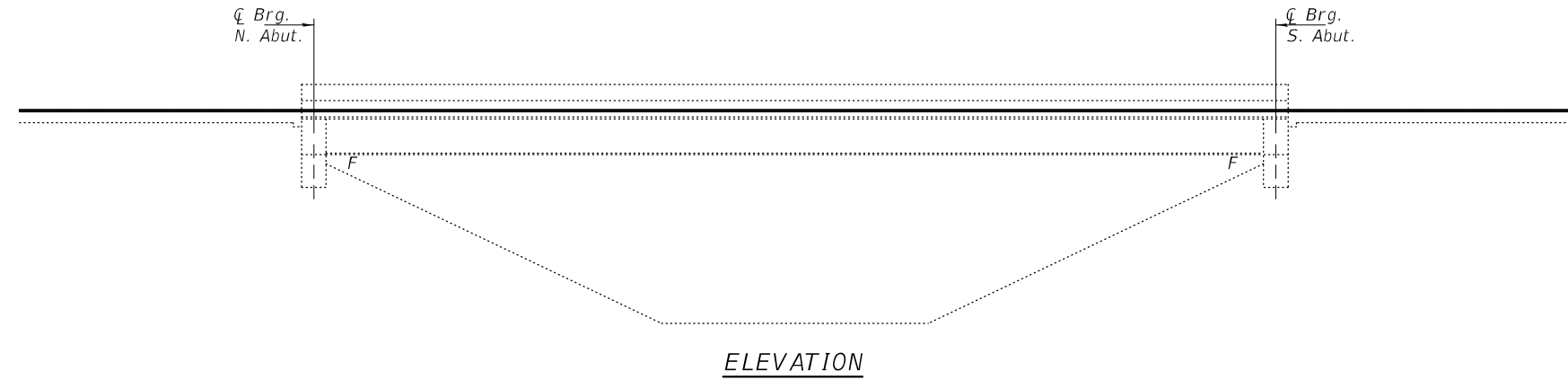
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

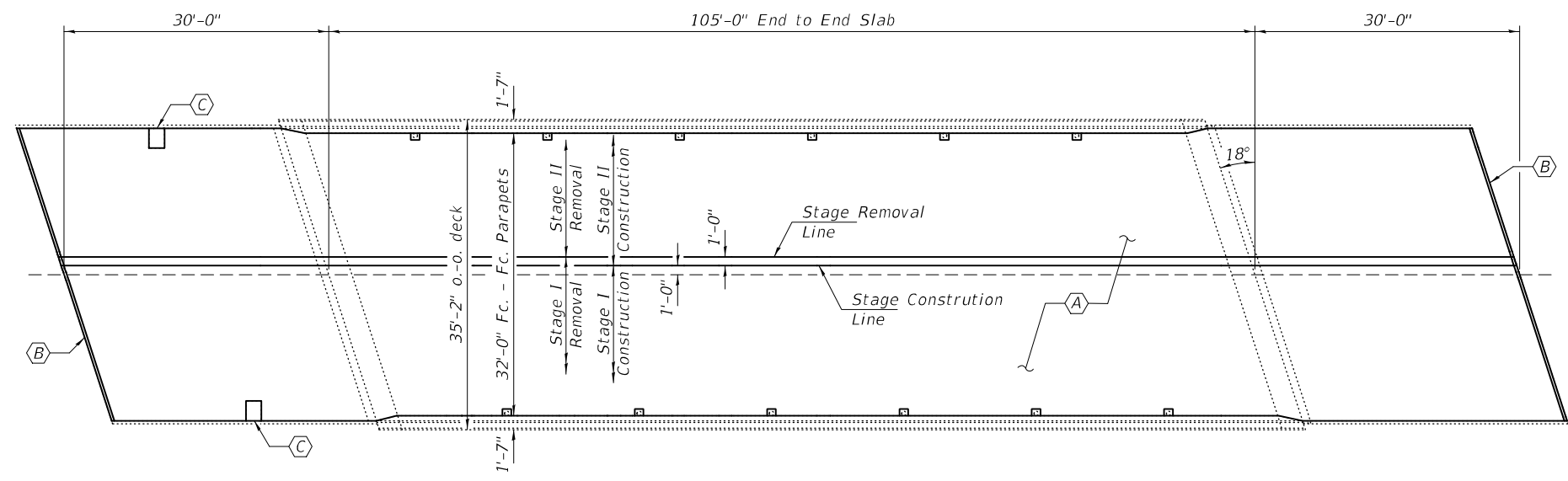
**TRAFFIC CONTROL STAGE CONSTRUCTION PLAN
STAGE I - SB LANE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	11
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN

- (A) - Bridge Deck Scarification $\frac{3}{4}$ " and $2\frac{1}{2}$ " Microsilica Overlay
- (B) - Polymer Concrete Nosing. See Detail B, sheet 2 of 3.
- (C) - Frame and Grate Adjustment



GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Protective Coat shall be applied to the new concrete overlay areas only.

TOTAL BILL OF MATERIAL

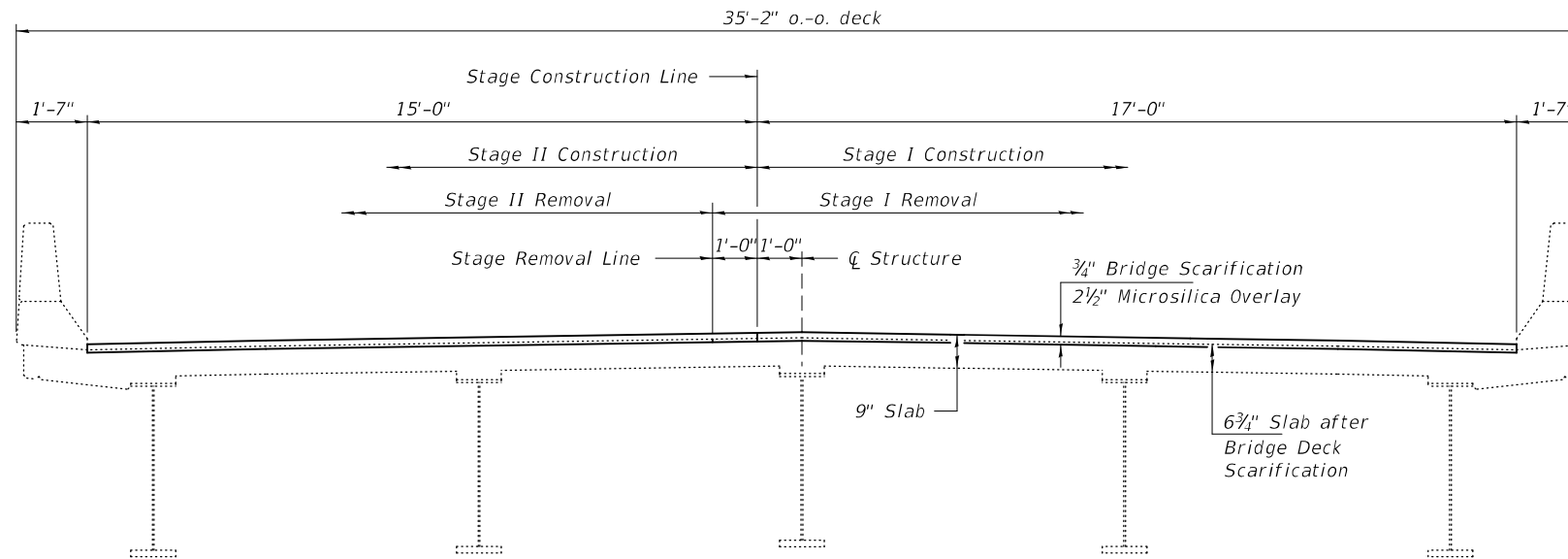
ITEM	UNIT	QUANTITY
Bridge Deck Microsilica Concrete Overlay, $2\frac{1}{2}$ "	Sq. Yd.	595
Bridge Deck Scarification, $\frac{3}{4}$ "	Sq. Yd.	595
Polymer Concrete	Cu. Ft.	4.2
Protective Coat	Sq. Yd.	595
Inlets to be Adjusted with New Frame and Grate (Special)	Each	2
* Deck Slab Repair (Full Depth)	Sq. Yd.	5
Bridge Deck Grooving	Sq. Yd.	558

* Estimated quantity. Actual size and location of the patches to be determined, by the Engineer, during construction and to be included in the AS BUILT plans.

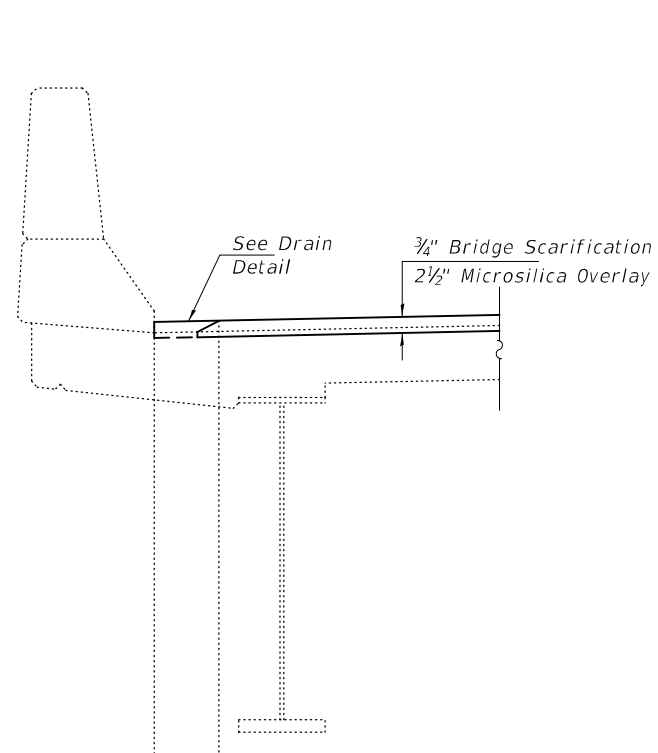


EXPIRES 11-30-2022

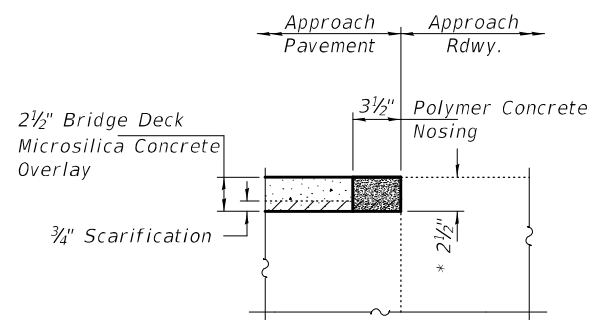
DESIGNED - Victor H. Veliz	EXAMINED - <i>T. A. DeSt</i>	DATE - APRIL 29, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION FAP 614 (IL 78) OVER LITTLE JOBS CREEK SN 009-0013		F.A.P. RTE. 614	SECTION (145) BDR	COUNTY CASS	TOTAL SHEETS 17	SHEET NO. 13	
CHECKED - Jeffrey S. Burke	PASSED - <i>Jay F. Schiff</i>	REVISER -		SHEET NO. 1 OF 3 SHEETS		CONTRACT NO. 72M30		ILLINOIS FED. AID PROJECT			
DRAWN - daburdell	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -									
CHECKED - VHV JSB	ENGINEER OF STRUCTURAL SERVICES										



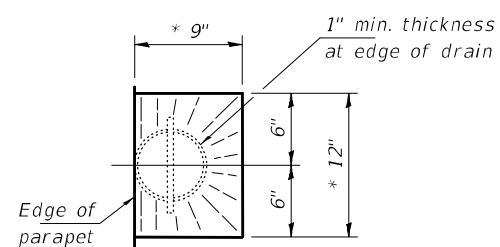
CROSS SECTION
(Looking South)



SECTION THRU DECK DRAIN

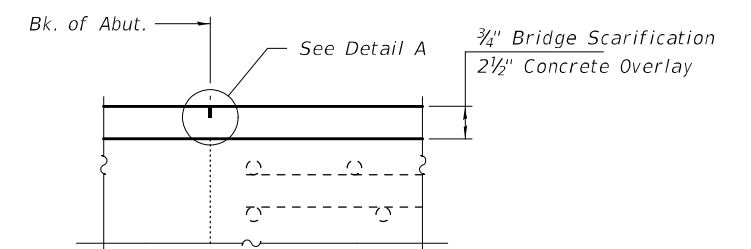


DETAIL B

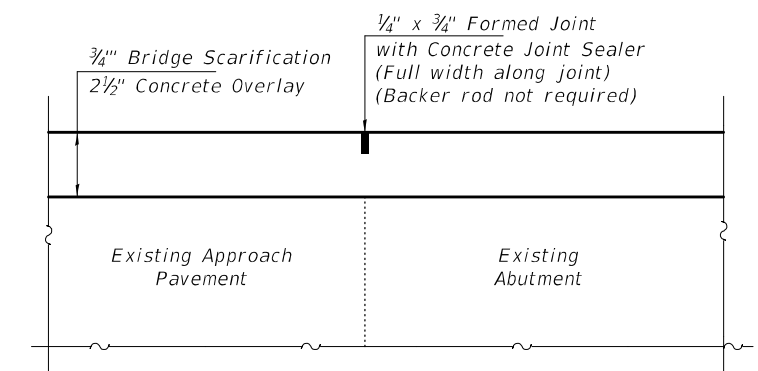


DRAIN DETAIL

* slope to drain



SECTION AT ABUTMENT



DETAIL A

DESIGNED - VHV
CHECKED - JSB
DRAWN - daburdell
CHECKED - VHV JSB

EXAMINED
PASSED
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

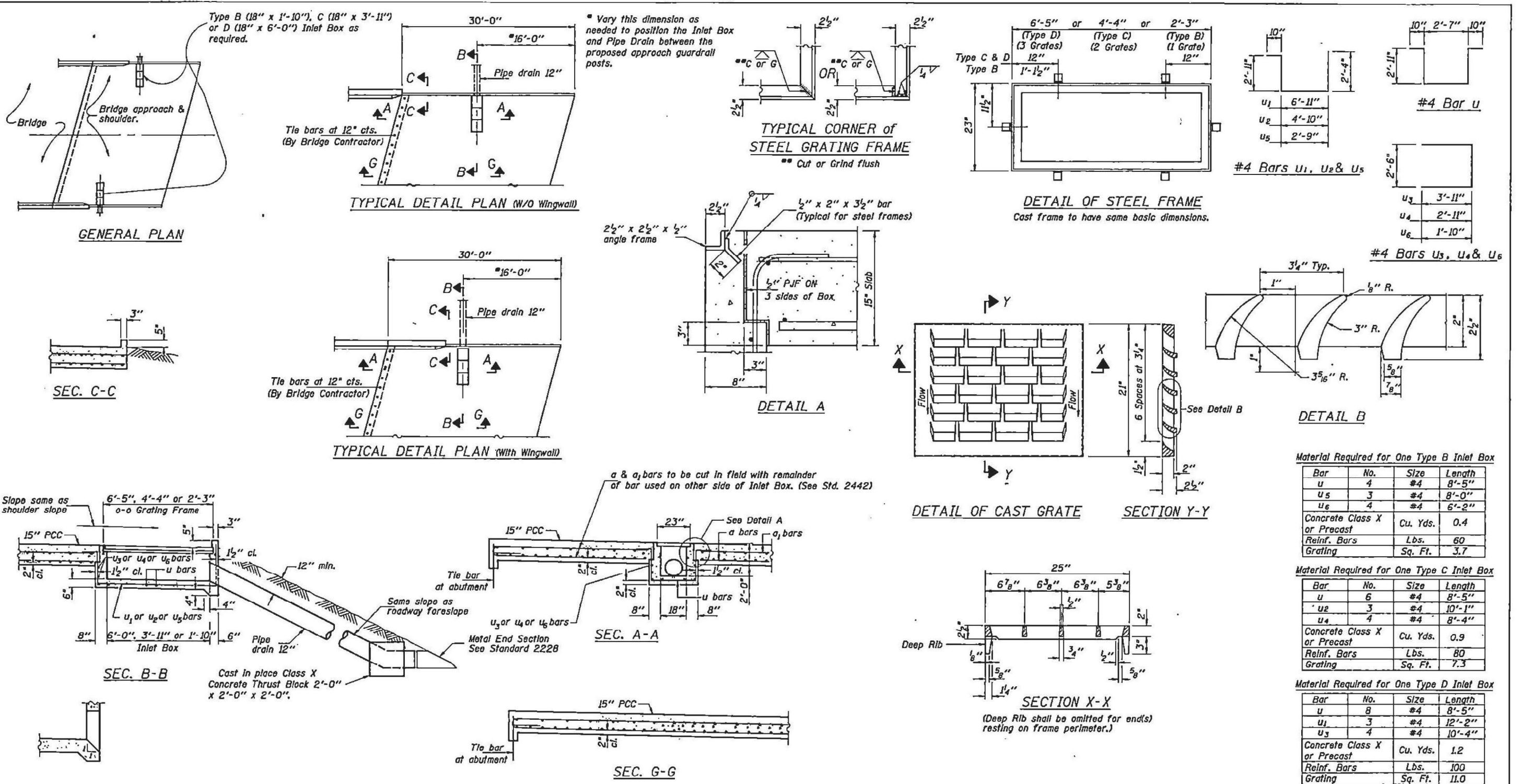
DATE - APRIL 29, 2022
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAILS & OVERLAY DETAILS
SN 009-0013

SHEET NO. 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	14
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				



Vary this dimension as needed to position the Inlet Box and Pipe Drain between the proposed approach guardrail posts.

TYPICAL CORNER OF STEEL GRATING FRAME
Cut or Grind flush

DETAIL OF STEEL FRAME
Cast frame to have same basic dimensions.

Material Required for One Type B Inlet Box

Bar	No.	Size	Length
u	4	#4	8'-5"
u ₅	3	#4	8'-0"
u ₆	4	#4	6'-2"
Concrete Class X or Precast		Cu. Yds.	0.4
Reinf. Bars		Lbs.	60
Grating		Sq. Ft.	3.7

Material Required for One Type C Inlet Box

Bar	No.	Size	Length
u	6	#4	8'-5"
u ₂	3	#4	10'-1"
u ₄	4	#4	8'-4"
Concrete Class X or Precast		Cu. Yds.	0.9
Reinf. Bars		Lbs.	80
Grating		Sq. Ft.	7.3

Material Required for One Type D Inlet Box

Bar	No.	Size	Length
u	8	#4	8'-5"
u ₁	3	#4	12'-2"
u ₃	4	#4	10'-4"
Concrete Class X or Precast		Cu. Yds.	1.2
Reinf. Bars		Lbs.	100
Grating		Sq. Ft.	11.0

GENERAL NOTES

All exposed edges of the inlet, except the upper perimeter, shall be beveled 3/4".

FOR INFORMATION ONLY

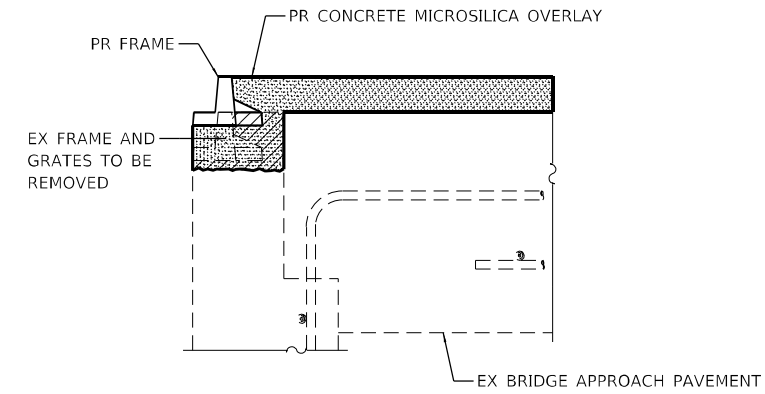
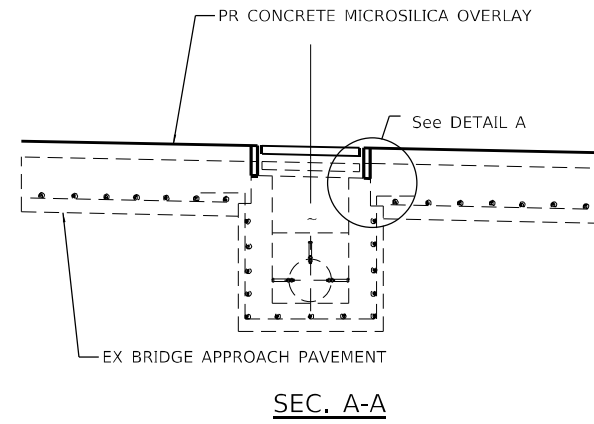
INLET TYPE	SHOULDER WIDTH
Type B	Less than 5'
Type C	5'-6'
Type D	Greater than 6'



Illinois Department of Transportation
 APPROVED SEPTEMBER 2, 1992
Robert E. Anderson
 Engineer of Bridges and Structures
 APPROVED SEPTEMBER 2, 1992
Henry Heald
 Engineer of Design and Environment

BRIDGE APPROACH PAVEMENT
 (DRAIN DETAIL)
 STANDARD 2443-1

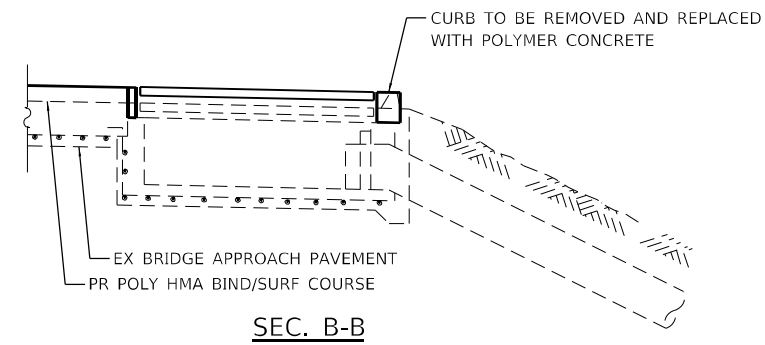
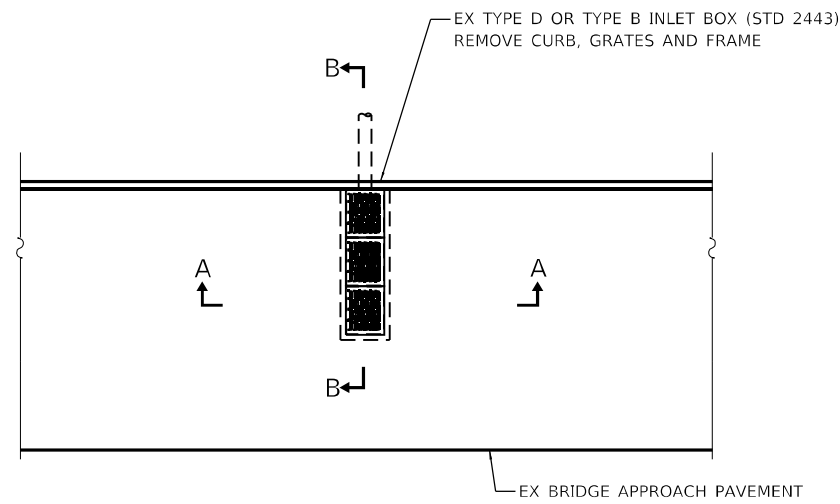
H-109
D 601

DETAIL: INLET BOXES TO BE ADJUSTED



 CONCRETE REMOVAL
 CONCRETE MICROSILICA OVERLAY

DETAIL A



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Inlets To Be Adjusted With New Frame And Grate, Special	Each	2

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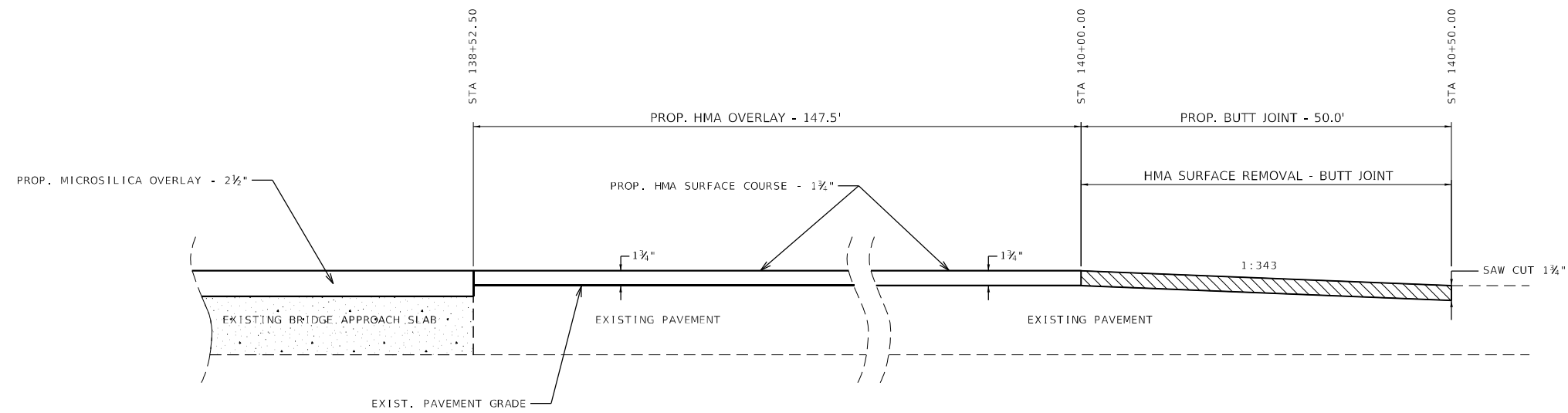
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

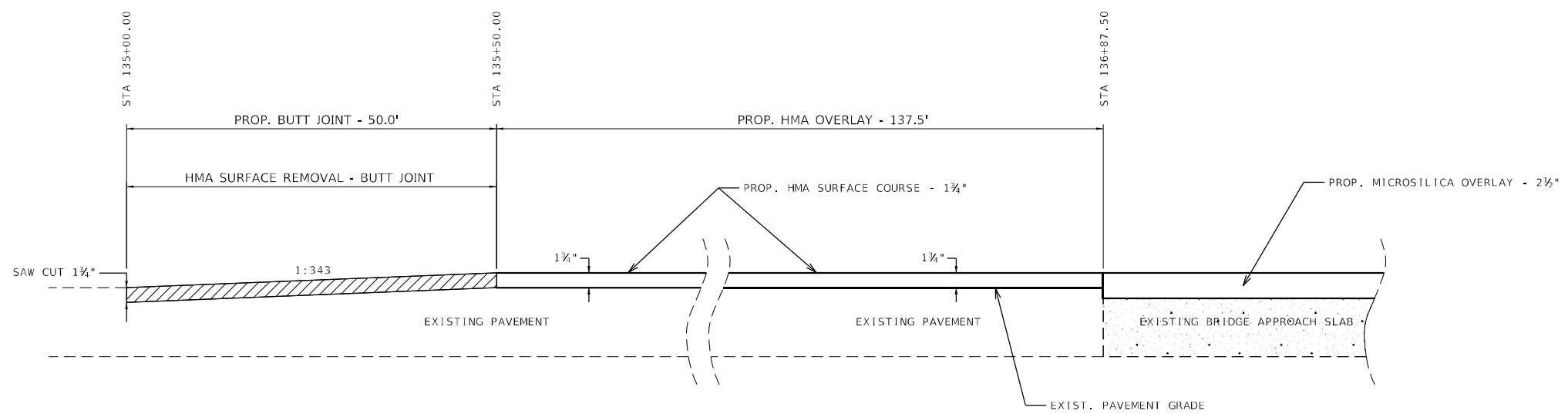
INLET ADJUSTMENT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	16
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				



NORTHBOUND IL-78
MAINLINE & SHOULDER TRANSITION



SOUTHBOUND IL-78
MAINLINE & SHOULDER TRANSITION

MODEL: Default
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	(145) BDR	CASS	17	17
CONTRACT NO. 72M30				
ILLINOIS FED. AID PROJECT				

