

04-27-2018 LETTING ITEM 038

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	1
		ILLINOIS	CONTRACT NO. 74652	

FOR INDEX OF SHEETS, SEE SHEET NO. 02
AADT 3,600 (2015)

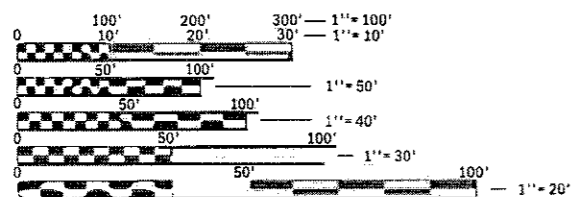
PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 325 (IL 16)
SECTION (8B)B-1
PROJECT NHPP - Y16K(524)
BRIDGE REPLACEMENT
COLES COUNTY

C-97-019-14



EXISTING SN 015-0013
PROP SN 015-2025 STA 110+9.60

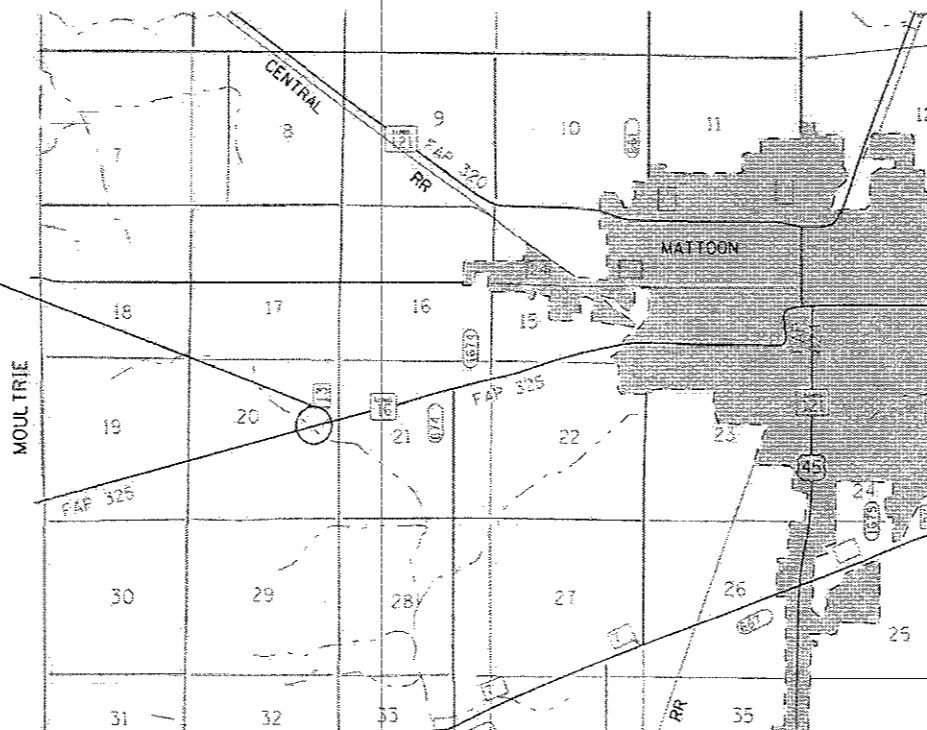


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER DEBRA BARRETT
PROJECT MANAGER EDWIN TIPSWORD

CONTRACT NO. 74652



GROSS LENGTH = 834.0 FT. = 0.16 MILE
NET LENGTH = 834.0 FT. = 0.16 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 24, 2018

Jeffrey M. Smith
REGIONAL ENGINEER

Mar 23, 2018
ENGINEER OF DESIGN AND ENVIRONMENT

May 23, 2018
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

INDEX OF SHEETS

SHEET NO	TITLE
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS
3 - 5	SUMMARY OF QUANTITIES
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8	PLAN AND PROFILE
9 - 10	STAGE TRAFFIC CONTROL
11	EROSION CONTROL PLAN
12	SCHEDULE OF QUANTITIES
13 - 21	STRUCTURE PLANS
22 - 25	PAVEMENT MARKING DETAILS
26 - 33	CROSS SECTIONS

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THE WORK IN THIS SECTION INCLUDES REMOVAL OF EXISTING STRUCTURES, CONSTRUCTION OF CAST-IN-PLACE TRIPLE BOX CULVERT, EARTH EXCAVATION, HOT-MIX ASPHALT PAVING, AND ANY OTHER WORK NEEDED TO COMPLETE THIS SECTION.

THE STRUCTURE TO BE REPLACED CARRIES IL 16 OVER THE LITTLE WABASH RIVER 2 MI WEST OF MATTOON.

QUANTITIES FOR PAINT PAVEMENT MARKING - LINE 4" CONSISTS OF 53 FEET OF YELLOW, AND 1,660 FEET OF WHITE.

REMOVAL OF THE EXISTING ASPHALT WEARING SURFACE ON THE STRUCTURE TO BE REMOVED SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EXISTING STRUCTURES, NO EXTRA COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS TO THE BITUMINOUS PLANT QUALITY CONTROL LAB SO THAT BITUMINOUS PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICES FOR OTHER ITEMS IN THE CONTRACT.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HMA SURFACE COURSE.

MATERIAL FOR AGGREGATE SHOULDER, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

000001-06	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
515001-03	NAME PLATE FOR BRIDGES
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630301-08	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
643001-02	SAND MODULE IMPACT ATTENUATORS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701321-17	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

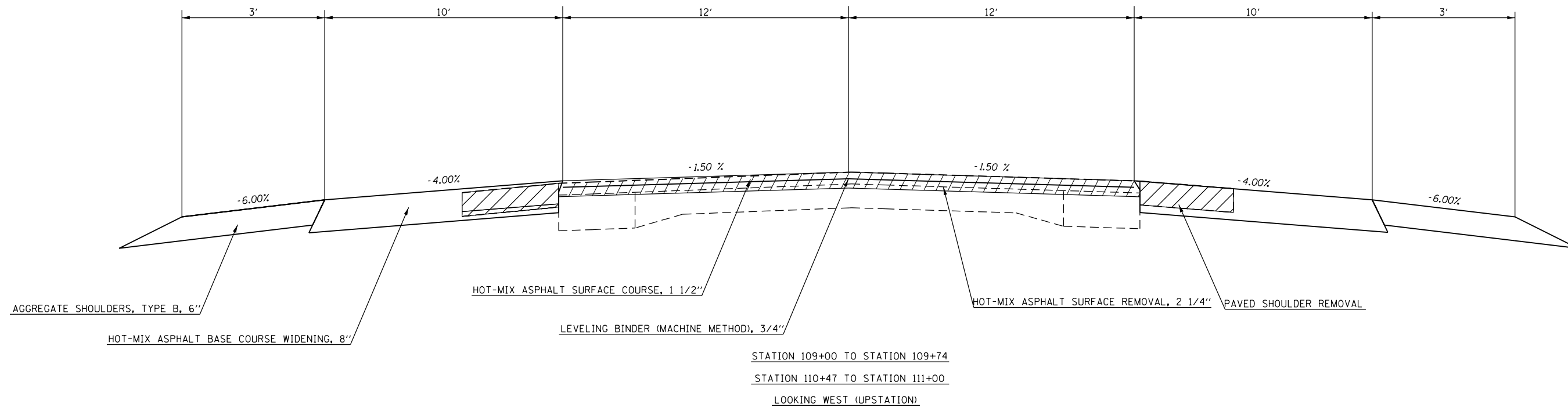
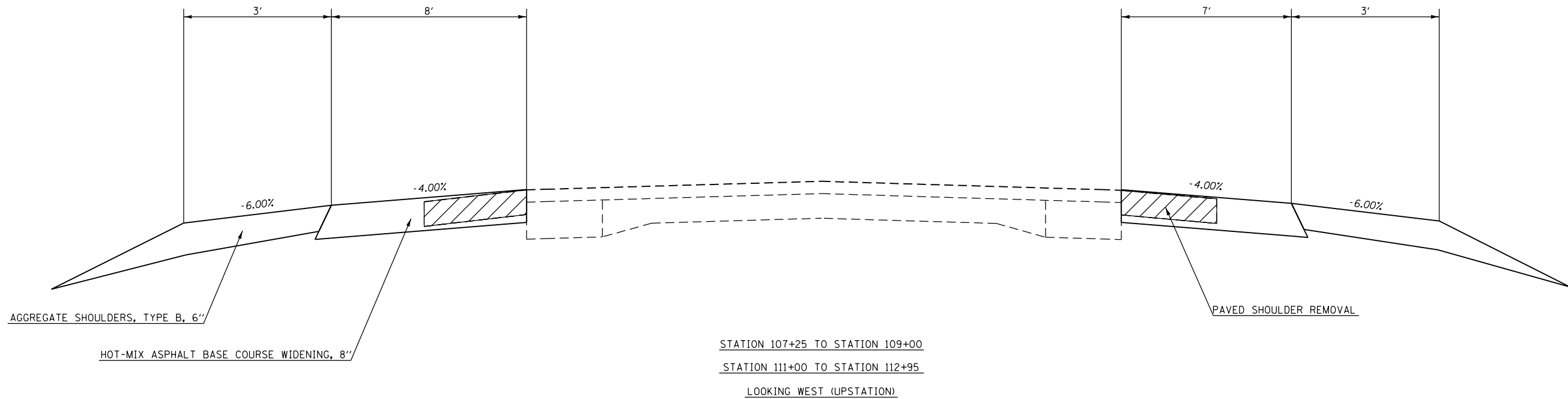
APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	TESTING PARAMETER
HMA SURFACE COURSE MIX "C" N70	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/OA
HMA LEVEL BINDER, MACHINE METHOD, N70FG	PG 64-22	4.0% @ N=70	IL - 9.5 FG	N/A	QC/OA
HMA BASE COURSE WIDENING, 8" (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/OA
HMA BASE COURSE WIDENING, 8" (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/OA
HMA SHOULDERS 8" (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/OA
HMA SHOULDERS 8" (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/OA
HMA PAVEMENT, FULL DEPTH 11" (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/OA
HMA PAVEMENT, FULL DEPTH 11" (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/OA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS &
GENERAL NOTES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	2
CONTRACT NO. 74652				
ILLINOIS FED. AID PROJECT				

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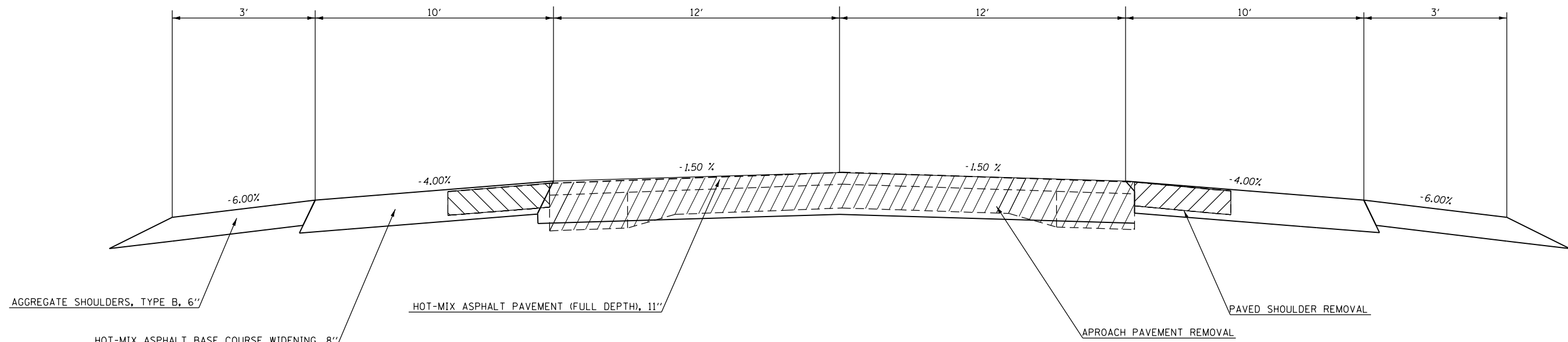
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

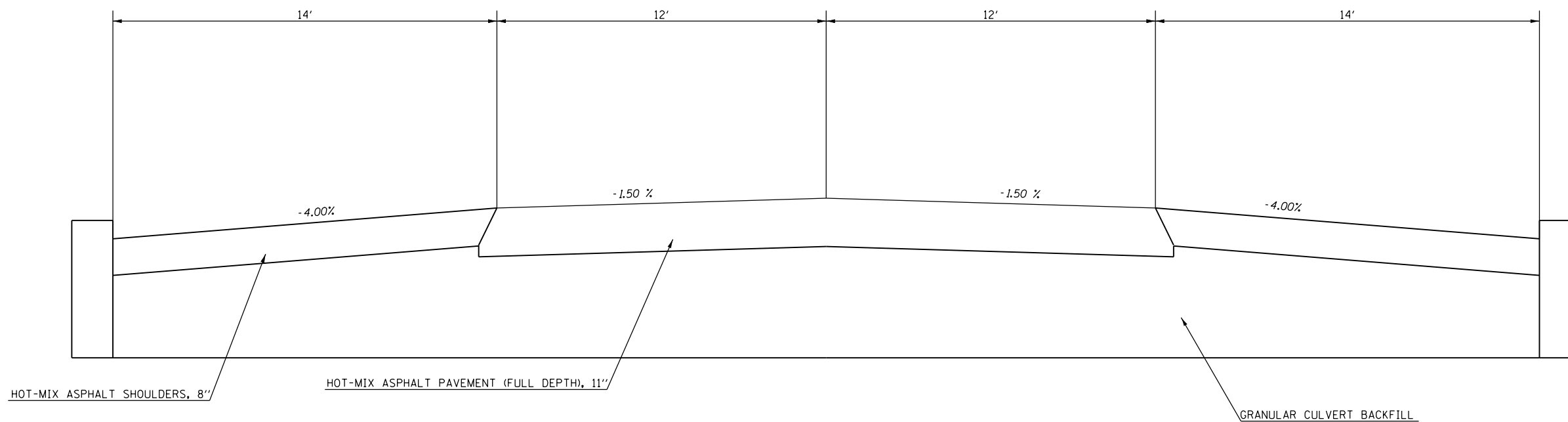
PROPOSED TYPICAL
SECTIONS

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325	(8B)B-1	COLES	33	6
CONTRACT NO. 74652				
ILLINOIS FED. AID PROJECT				



STATION 109+74 TO STATION 109+94.80
 STATION 110+24.40 TO STATION 110+47



STATION 109+94.80 TO STATION 110+24.40

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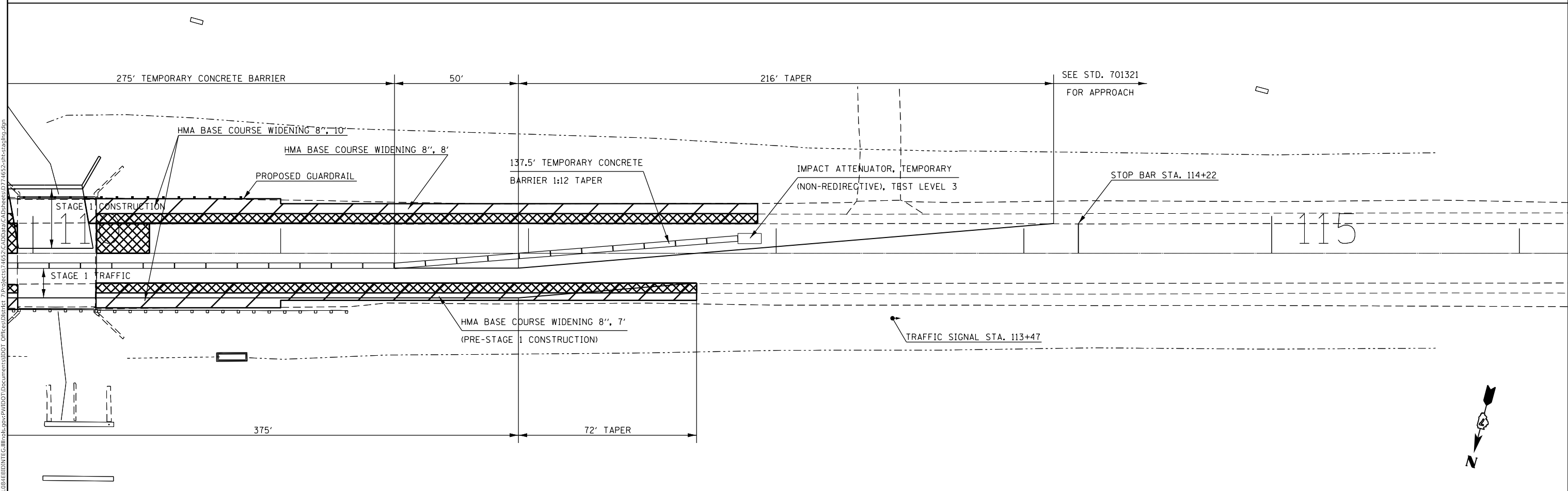
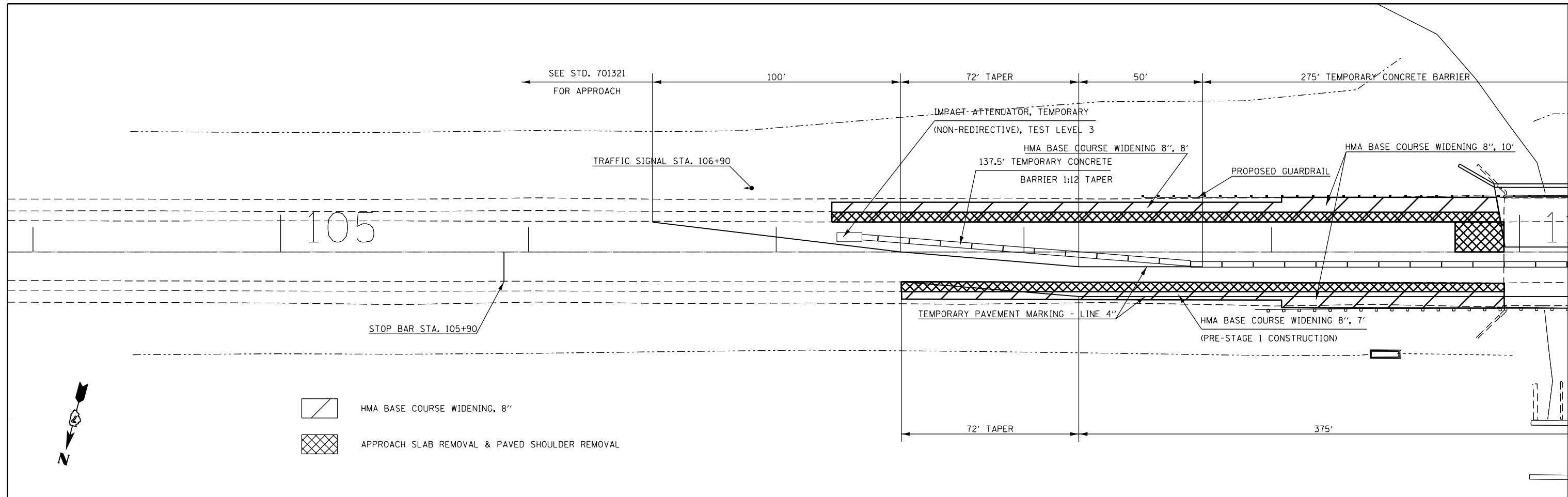
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL
 SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74652			ILLINOIS FED. AID PROJECT	



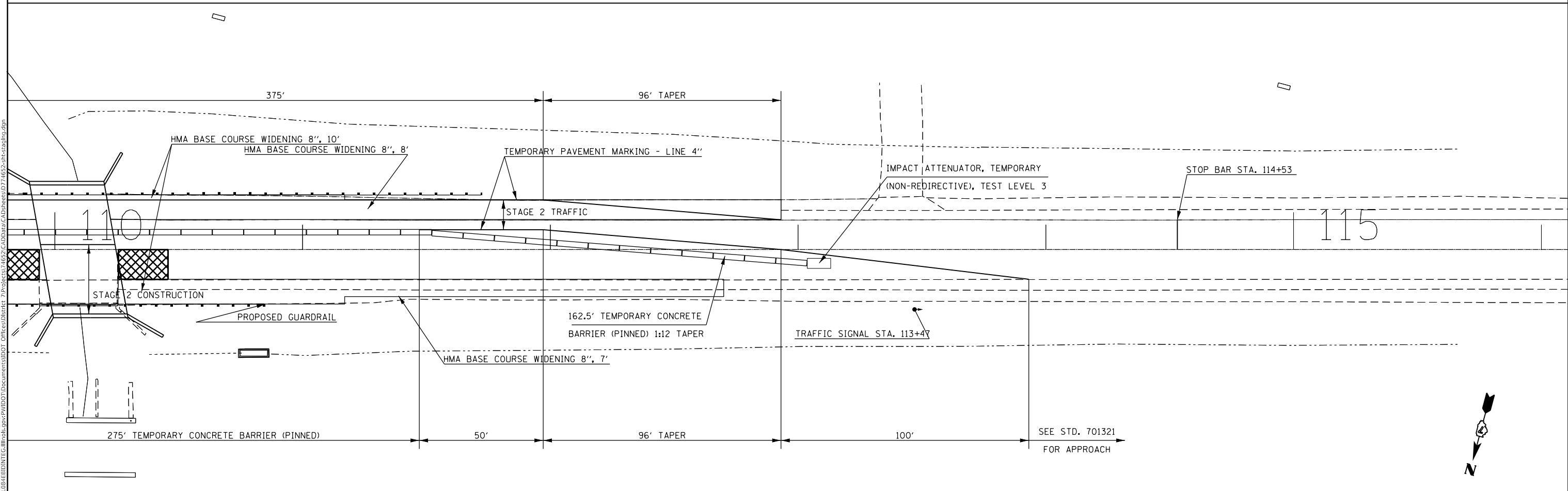
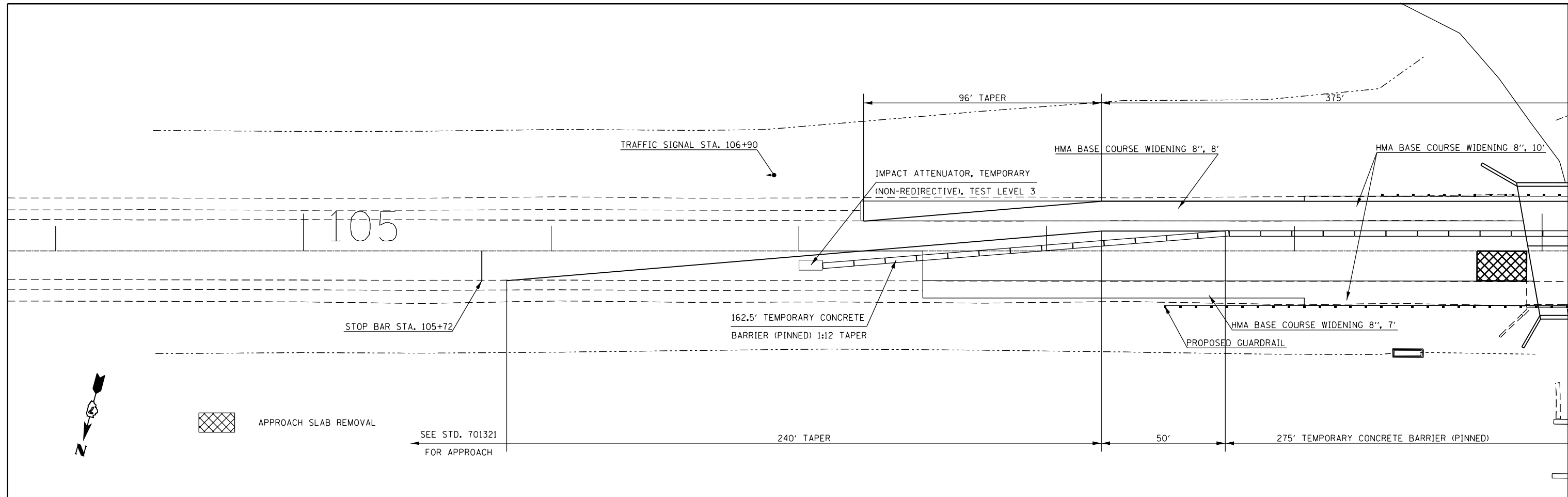
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 TRAFFIC CONTROL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	9
CONTRACT NO. 74652				
ILLINOIS FED. AID PROJECT				



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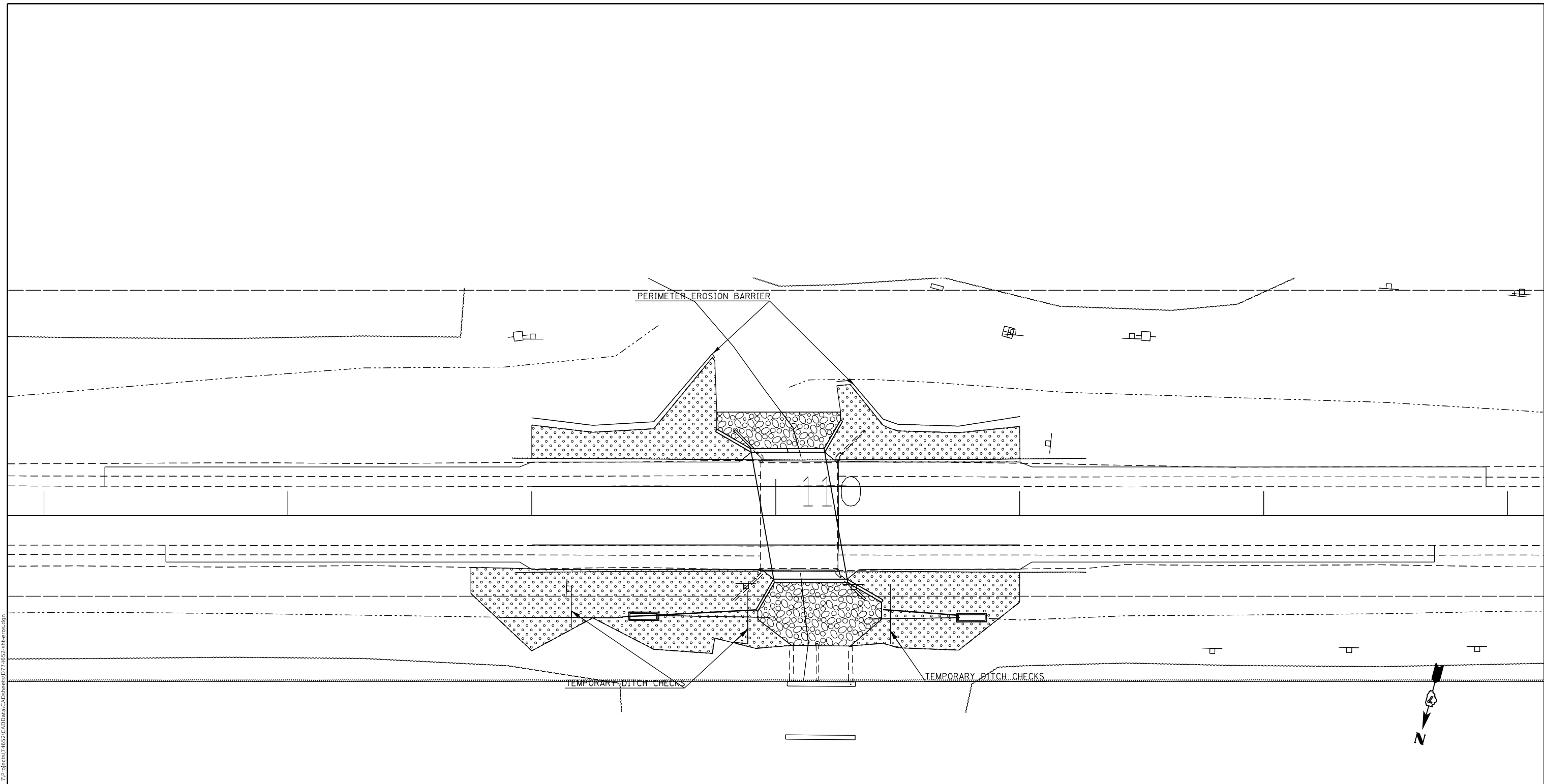
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STAGE 2 TRAFFIC CONTROL

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CONTRACT NO. 74652				
ILLINOIS FED. AID PROJECT				

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-  STONE RIPRAP, CLASS A5
-  SEEDING, CLASS 2 (SPECIAL)

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PLOT DATE = 1/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	34	11
CONTRACT NO. 74652				
ILLINOIS FED. AID PROJECT				

REMOVAL SCHEDULE						
STATION	TO	STATION	LENGTH	WIDTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	APPROACH SLAB REMOVAL
					44000158 SQ YD	Z0004552 SQ YD
109+00.00	TO	109+74.00	74	24	197	
109+74.00	TO	109+94.00	20	24		53
110+27.00	TO	110+47.00	20	24		53
110+47.00	TO	111+00.00	53	24	141	
TOTAL					338	106

PAVING SCHEDULE									
STATION	TO	STATION	LENGTH	WIDTH	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11"	BITUMINOUS MATERIALS (TACK COAT)	AGGREGATE WEDGE SHOULDER, TYPE B
					40603315 TON	40600637 TON	40701901 SQ YD	40600275 POUNDS	48102100 TON
107+25.00	TO	109+00.00	175	24					121
109+00.00	TO	109+74.00	74	24	17	9		89	41
109+74.00	TO	110+47.00	73	24			195	130	23
110+47.00	TO	111+00.00	53	24	12	6		64	31
111+00.00	TO	112+95.00	195	24					104
TOTAL					29	15	195	283	320

PIPE CULVERT SCHEDULE		
	PIPE CULVERT REMOVAL	CONCRETE HEADWALL REMOVAL
	50105220	50104400
STATION	FOOT	EACH
109+40 RT	48	1
110+85 RT	38	1

PAVEMENT MARKING SCHEDULE								
STATION	TO	STATION	LENGTH	SHORT TERM PAVEMENT MARKING	PAVEMENT MARKING REMOVAL - GRINDING	PAINT PAVEMENT MARKING - LINE 4"	RAISED REFLECTIVE PAVEMENT MARKER	SHORT TERM PAVEMENT MARKING REMOVAL
				70300100 FOOT	X0327979 SQ FT	78001110 FT	78100100 EACH	70300150 SQ FT
105+82.00	TO	114+12.00	830.00	83	293	1713	3	21

GUARDRAIL SCHEDULE										
STATION	TO	STATION	LANE	LENGTH	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STRONG POST GUARDRAIL ATTACHED TO CULVERT	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL
					63000001 FOOT	63000030 FOOT	63100167 EACH	72501000 EACH	78200005 EACH	63200310 FOOT
108+85.00	TO	109+93.00	WB	108.00	108		1	1	1	103
109+93.00	TO	110+27.00	WB	34.00		34			1	
110+27.00	TO	110+47.50	WB	20.50	20.5		1	1	1	101
109+72.50	TO	109+93.00	EB	20.50	20.5		1	1	1	103
109+93.00	TO	110+27.00	EB	34.00		34			1	
110+27.00	TO	111+35.00	EB	108.00	108		1	1	1	103
TOTAL					257	68	4	4	6	410

HOT-MIX ASPHALT SHOULDER/WIDENING SCHEDULE									
STATION	TO	STATION	LANE	LENGTH	WIDTH	PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	HOT-MIX ASPHALT SHOULDERS, 8"	BITUMINOUS MATERIALS (TACK COAT)
						44004250 SQ YD	35600708 SQ YD	48203029 SQ YD	40600290 POUNDS
107+50.00	TO	109+93.00	RT	243	4	108			
110+26.00	TO	112+70.00	RT	244	4	108			
107+25.00	TO	109+95.00	LT	270	4	120			
110+25.00	TO	112+95.00	LT	270	4	120			
107+50.00	TO	109+00.00	RT	150	7		117		63
109+00.00	TO	109+93.00	RT	93	10		103		54
109+95.00	TO	110+25.00	RT	30	14			46	21
110+26.00	TO	111+00.00	RT	74	10		82		56
111+00.00	TO	112+70.00	RT	170	7		132		62
107+25.00	TO	109+00.00	LT	175	8		156		72
109+00.00	TO	109+95.00	LT	95	10		106		82
109+95.00	TO	110+25.00	LT	30	14			46	21
110+25.00	TO	111+00.00	LT	75	10		83		83
111+00.00	TO	112+95.00	LT	195	8		173		71
TOTAL						456	952	92	585

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PLOT DATE = 1/29/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	12
CONTRACT NO. 74652				
ILLINOIS		FED. AID PROJECT		

BENCHMARK: BM 502 - Chiseled square on the southeast wingwall of SN 015-0013 along IL 16, station 109+91, 25.4' LT, elevation 713.94 (NAVD 88)

EXISTING STRUCTURE:
SN 015-0013 was originally built in 1925 as S.B.I. Rte. 16, Section 8B, and was reconstructed in 1975 as F.A. Route 17, Section 8BR. The structure consists of a single-span with 12 precast concrete beams on closed abutments supported by spread footings. The original footings are supported by untreated timber piles. Back to back of abutments is 32'-10 1/4". Superstructure width is 43'-0" clear between the inside faces of the concrete curbs. The existing structure is not skewed. Traffic shall be maintained utilizing stage construction.

No salvage.

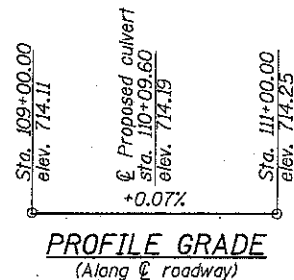
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For Structural Adequacy Only
[Signature]
Engineer of Bridges & Structures



EXPIRES 11-30-18

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SIGNATURE

08-21-17
DATE



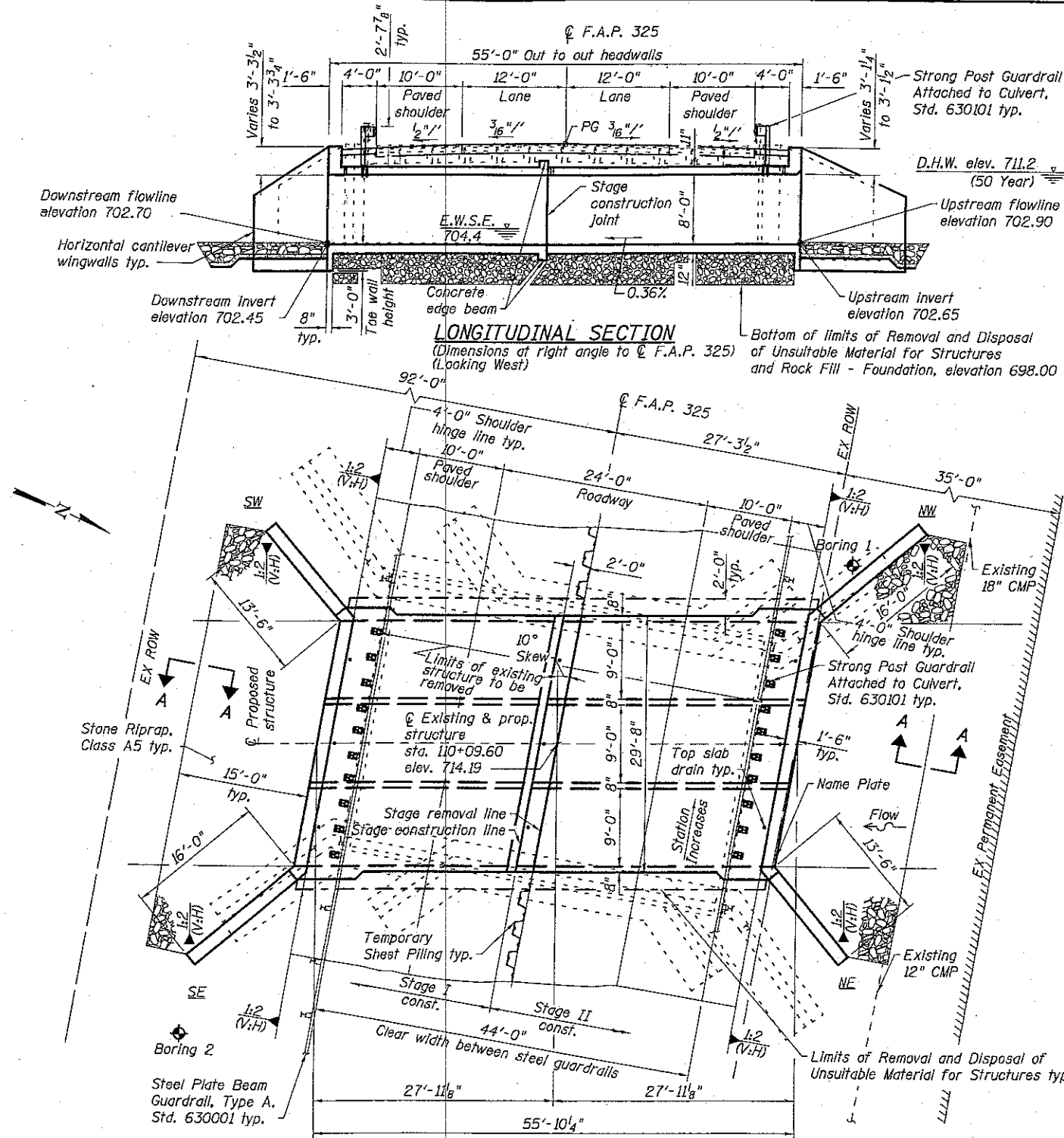
Drainage Area = 3.15 Sq. Mi.

Flood	Freq. Yr.	Discharge (cfs)	Waterway Opening (sq. ft.)		Head (ft.)		Headwater Elev. (ft.)		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	50	1360	176	209	711.2	2.6	2.6	713.8	713.8
Existing Overtop	55	1420	176	-	711.2	2.7	-	713.9	-
Base	100	1610	179	209	711.3	2.8	2.8	714.1	714.1
Proposed Overtop	100	1610	-	209	711.3	-	2.8	-	714.1
Scour Design Check	200	1859	185	209	711.6	2.7	2.7	714.3	714.3

10 Year Outlet Velocity from Existing Structure: 5.3 fps
10 Year Outlet Velocity from Proposed Structure: 4.0 fps

WATERWAY INFORMATION

PLAN



STRUCTURE INDEX OF SHEETS

General Plan & Elevation	Sheet No. 1 of 9
General Data	Sheet No. 2 of 9
Stage Construction Details	Sheet No. 3 of 9
Temporary Concrete Barrier for Stage Construction	Sheet No. 4 of 9
Box Culvert Details	Sheet No. 5-7 of 9
Bar Splicer Assembly and Mechanical Splicer Details	Sheet No. 8 of 9
Boring Logs	Sheet No. 9 of 9

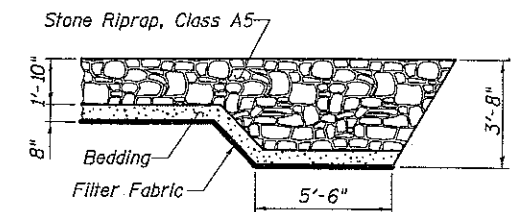
GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. Modify existing channel to match culvert at each end as directed by the Engineer, cost included in the pay item for Stone Riprap, Class A5.
4. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
5. Precast alternative is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Stone Riprap, Class A5	Sq. Yd.	148
Filter Fabric	Sq. Yd.	148
Removal of Existing Structures	Each	1
Removal and Disposal of Unsuitable Material For Structures	Cu. Yd.	270
Reinforcement Bars, Epoxy Coated	Pound	36480
Bar Splicers	Each	156
Strong Post Guardrail Attached to Culvert	Foot	68.75
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	220.6
Granular Culvert Backfill	Cu. Yd.	725
Rock Fill - Foundation	Ton	480
Temporary Sheet Piling	Sq. Ft.	1115
Membrane Waterproofing for Buried Structures	Sq. Yd.	208

See Roadway Plans for quantities of Temporary Concrete Barrier, Earth Excavation, and Pavement Removal.



SECTION A-A

DESIGN SPECIFICATIONS

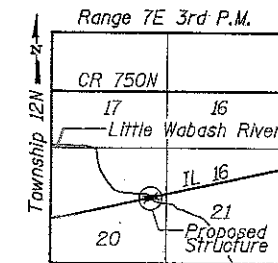
2014 AASHTO LRFD
Bridge Design Specifications
7th Edition with 2015 and 2016 Interims

LOADING HL-93

Allow 50 psf for future wearing surface

DESIGN STRESSES

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



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL 16 OVER LITTLE WABASH RIVER
FAP ROUTE 325 - SECTION (8B)B-1
COLES COUNTY
STATION 110+09.60
STRUCTURE NO. 015-2025



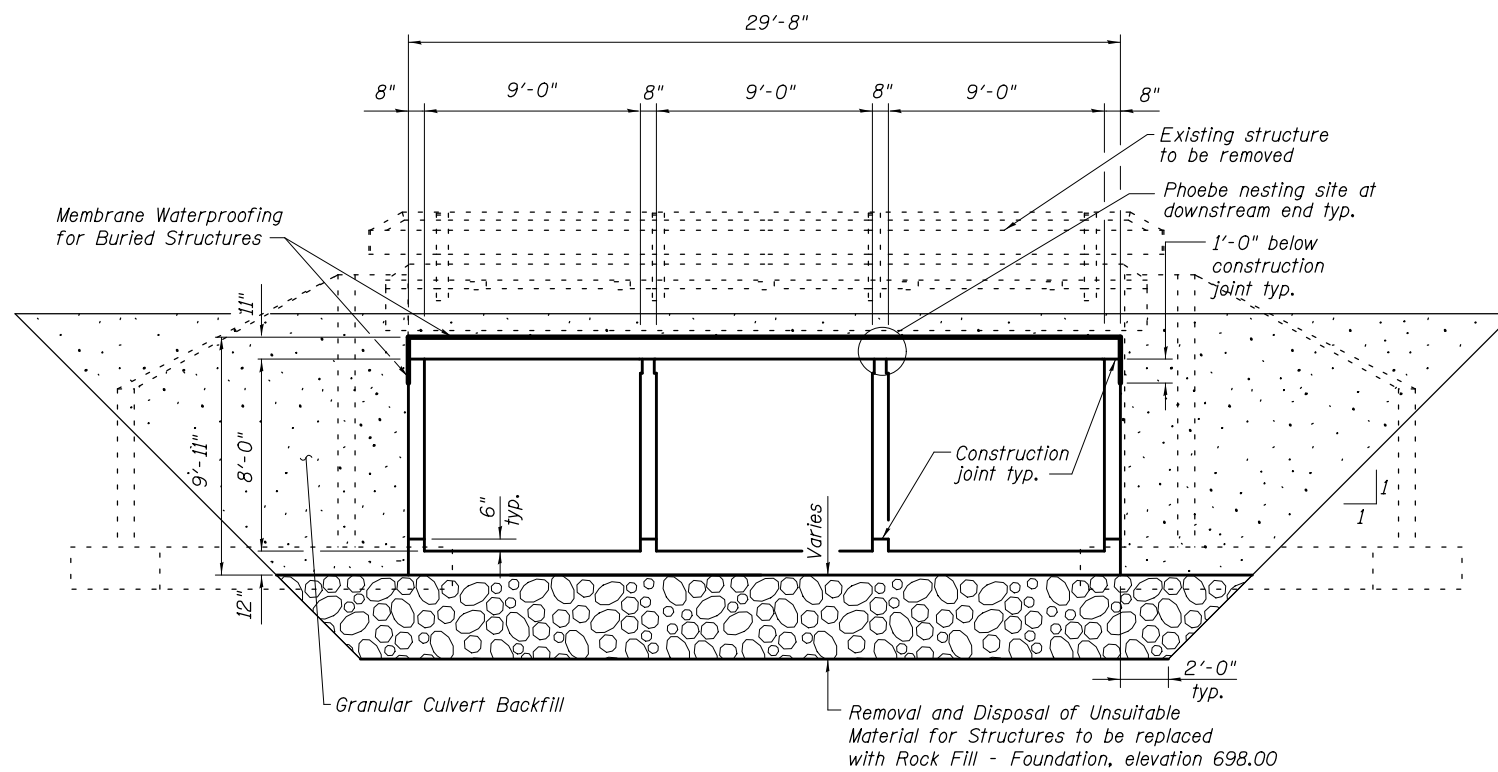
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PLOT DATE = 8/23/2017	CHECKED - RTM/ELH 08/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	13
				CONTRACT NO. 74652

(ILLINOIS) FED. AID PROJECT



SECTION THROUGH BARREL
(Dimensions at right angle to barrel)

STATION 110+09.60
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 325 SEC. (8B)B-1
LOADING HL-93
STR. NO. 015-2025

NAME PLATE DETAIL
(See Std. 515001)

NOTES

1. The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.
2. Excavation for construction of the box culvert, including the excavation necessary to construct the granular backfill, is included in Earth Excavation, see roadway plans.

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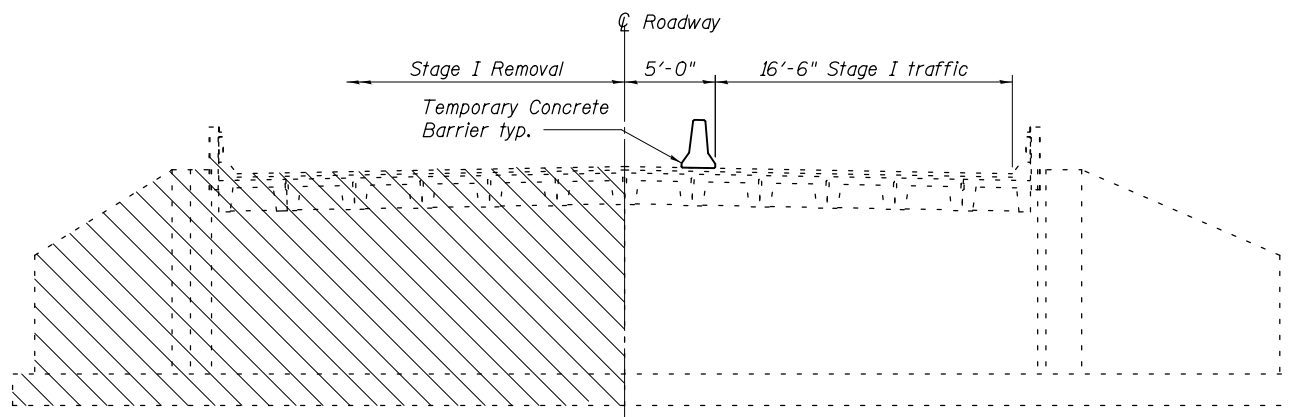
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CHECKED -	RTM/RDP	05/17	REVISED -
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CHECKED -	RTM/ELH	08/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

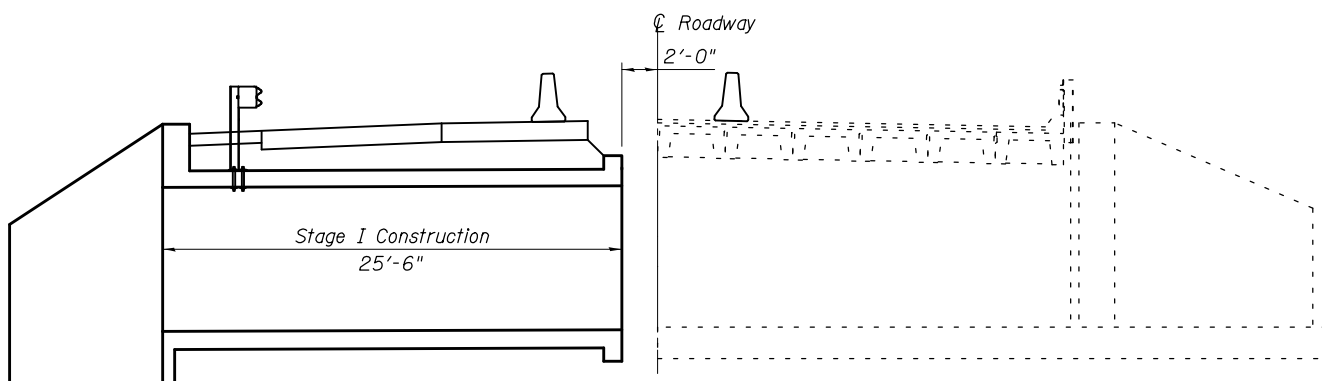
GENERAL DATA
STRUCTURE NO. 015-2025

SHEET NO. 2 OF 9 SHEETS

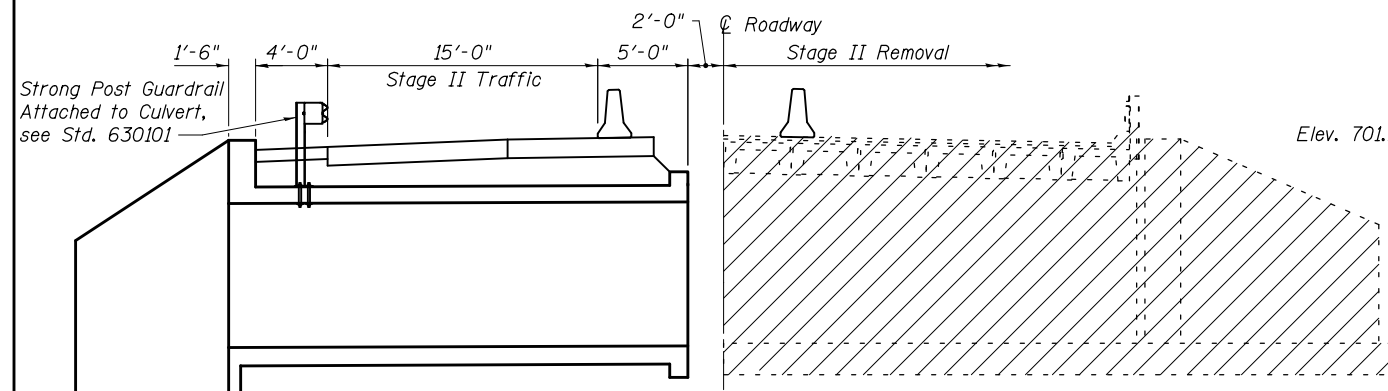
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325	(8B)B-1	COLES	33	14
CONTRACT NO. 74652				
ILLINOIS FED. AID PROJECT				



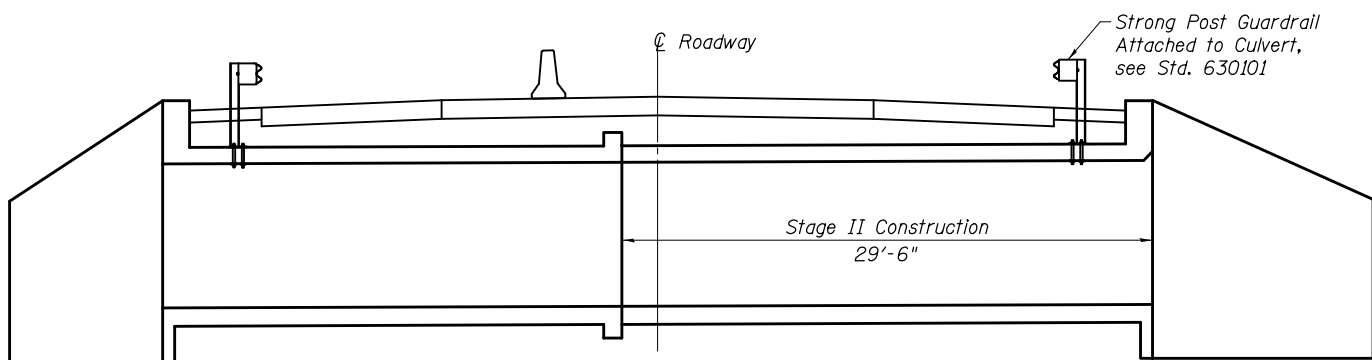
STAGE I REMOVAL
(Dimensions at rt. L's to roadway)



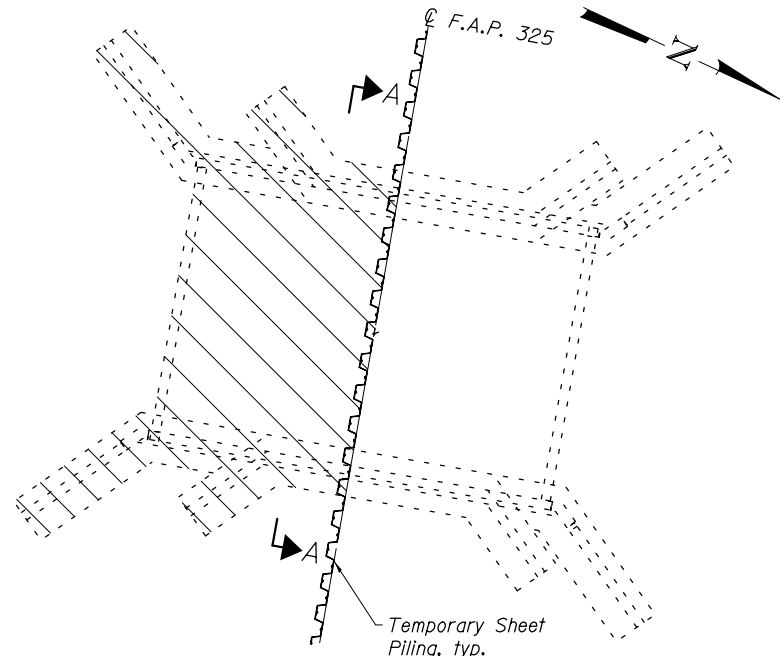
STAGE I CONSTRUCTION
(Dimensions at rt. L's to roadway)



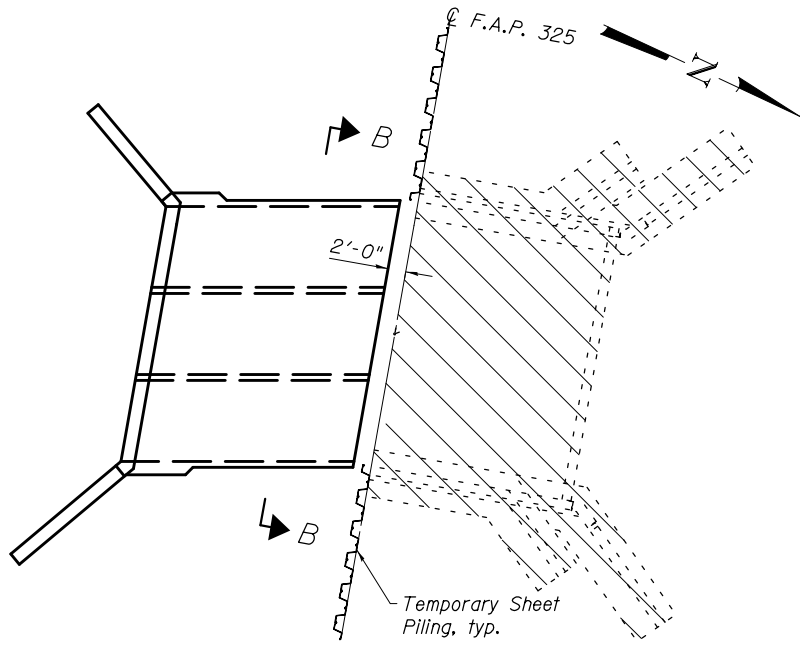
STAGE II REMOVAL
(Dimensions at rt. L's to roadway)



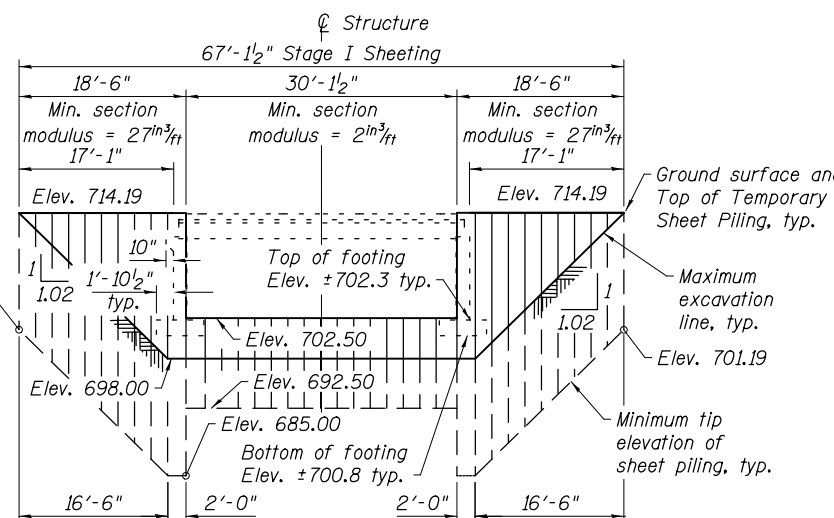
STAGE II CONSTRUCTION
(Dimensions at rt. L's to roadway)



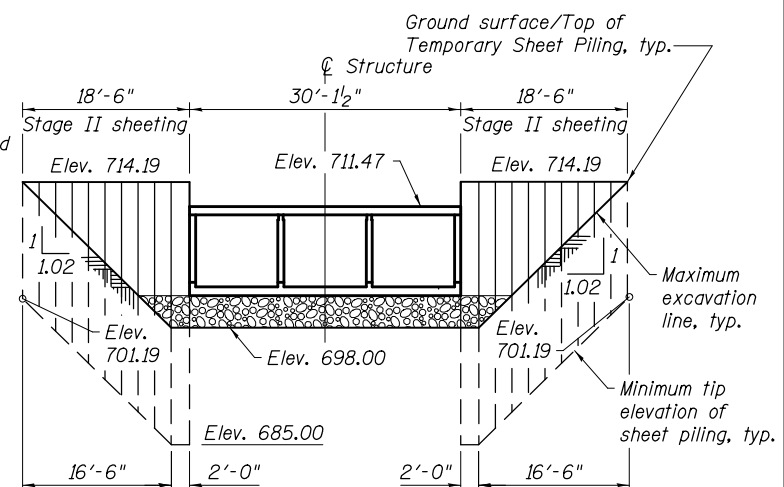
PLAN
(Showing Stage I removal)



PLAN
(Showing Stage II removal)



VIEW A-A
(Showing Temporary Sheet Piling for Stage I)



VIEW B-B
(Showing Temporary Sheet Piling for Stage II Construction)

STAGE CONSTRUCTION NOTES

1. All staging sections looking west.
2. Hatched areas indicate removal.
3. See Roadway plans for quantity of Temporary Concrete Barrier.
4. Stage I traffic based on 08/20/2012 Damage Inspection Report and June 2016 field check. Stage I traffic will require Legal Loads Only posting.
5. Removal of existing steel railing is included with Removal of Existing Structures.

TEMPORARY SHEET PILING NOTES

1. If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
2. The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.
3. Existing structure details are taken from existing plans.
4. Dimensions and slopes are shown along the Temporary Sheet Piling unless noted otherwise.

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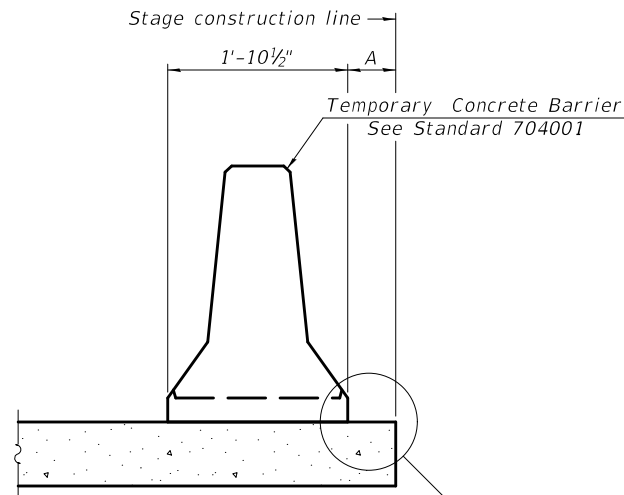
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 015-2025**

SHEET NO. 3 OF 9 SHEETS

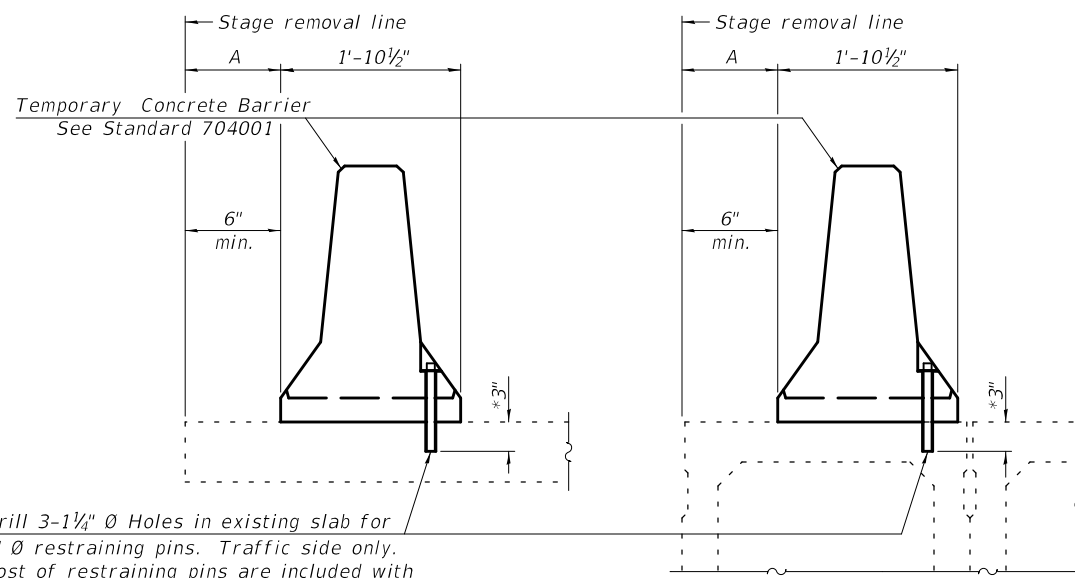
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	15
CONTRACT NO. 74652				

ILLINOIS FED. AID PROJECT



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

NEW SLAB OR NEW DECK BEAM

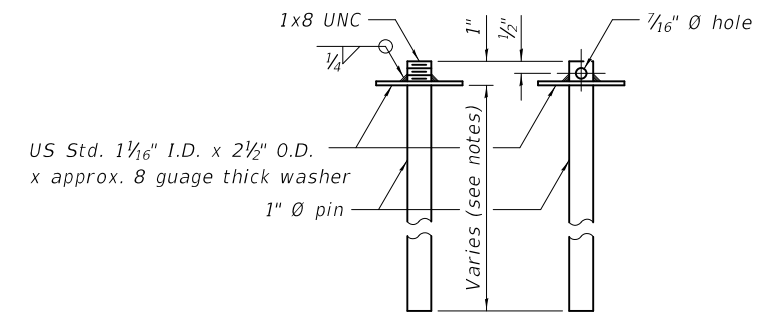


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

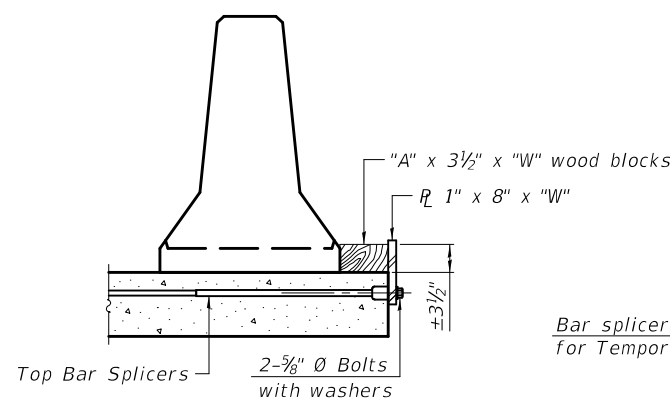
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

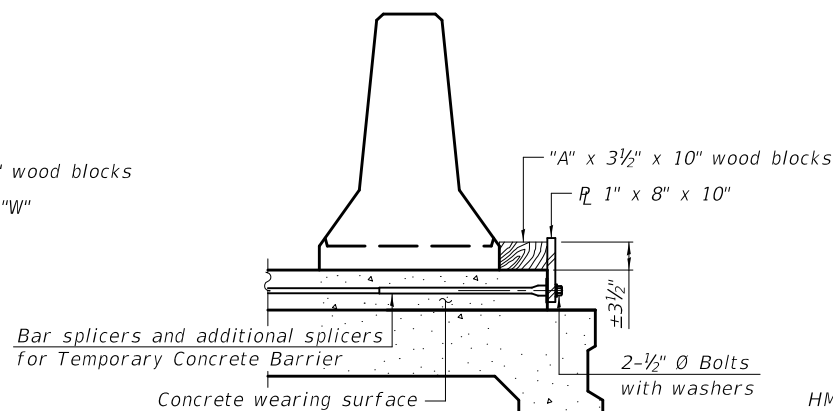


RESTRAINING PIN

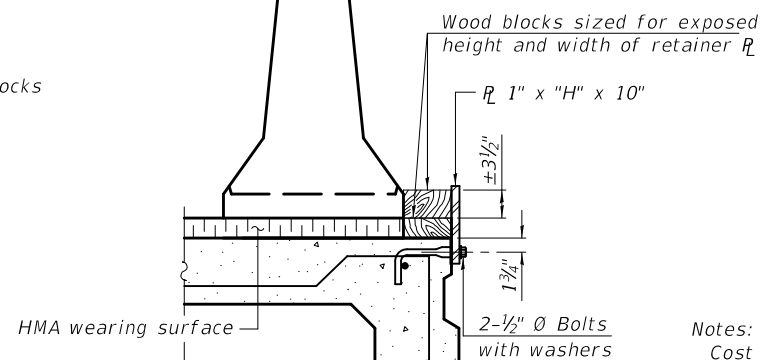
SECTIONS THRU SLAB OR DECK BEAM



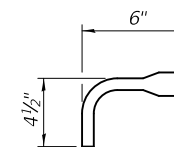
DETAIL I



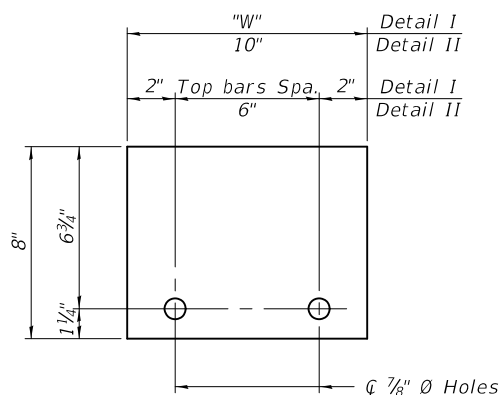
DETAIL II



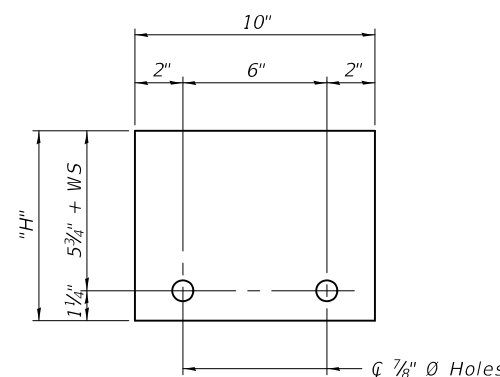
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate C of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

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

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R-27 2-17-2017



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 015-2025

SHEET NO. 4 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74652	

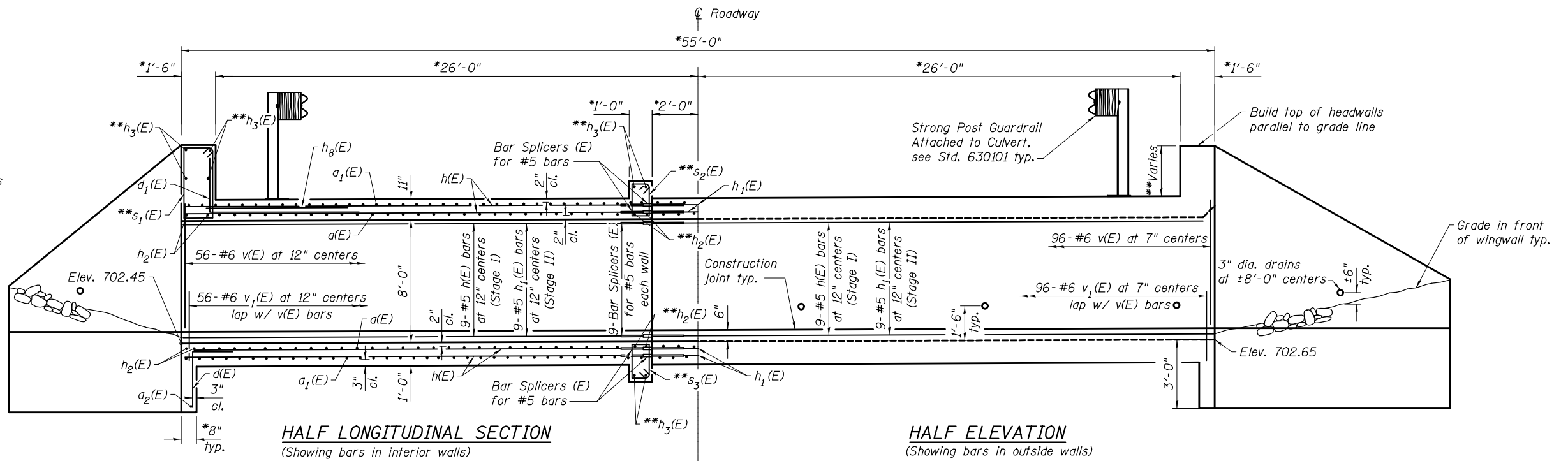
*Dimensions shown are at right angle to \bar{C} Roadway
 ** See Headwall Details on sht. 7 of 9

MINIMUM BAR LAP

#6 bars = 3'-10"

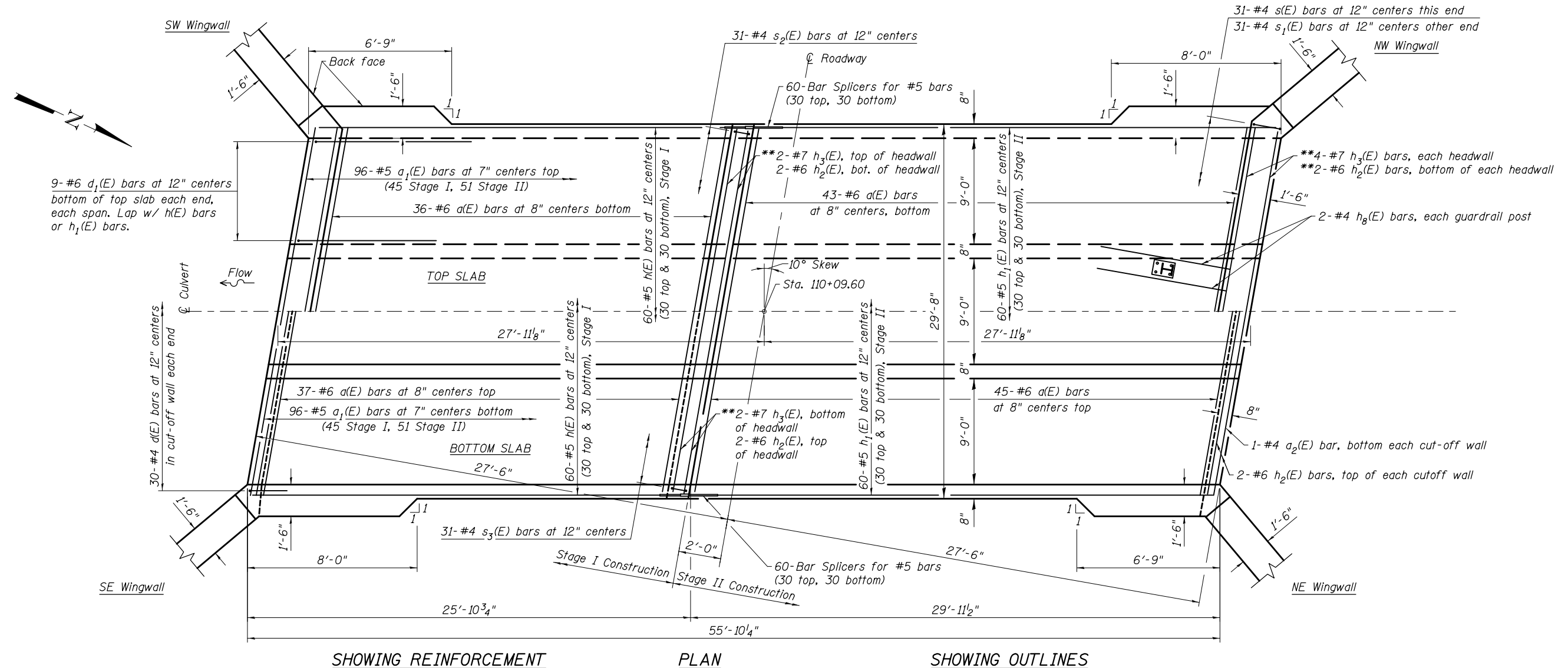
NOTES

See sheet 6 of 9 for wingwall details.
 See sheet 7 of 9 for additional details & Bill of Materials
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the horizontal cantilever wingwalls.
 At the Contractor's option, a longer $v_1(E)$ bar may be ordered to replace the $v(E)$ bar. No reduction in quantities shall be made for this substitution.



HALF LONGITUDINAL SECTION
 (Showing bars in interior walls)

HALF ELEVATION
 (Showing bars in outside walls)



SHOWING REINFORCEMENT

PLAN

SHOWING OUTLINES

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

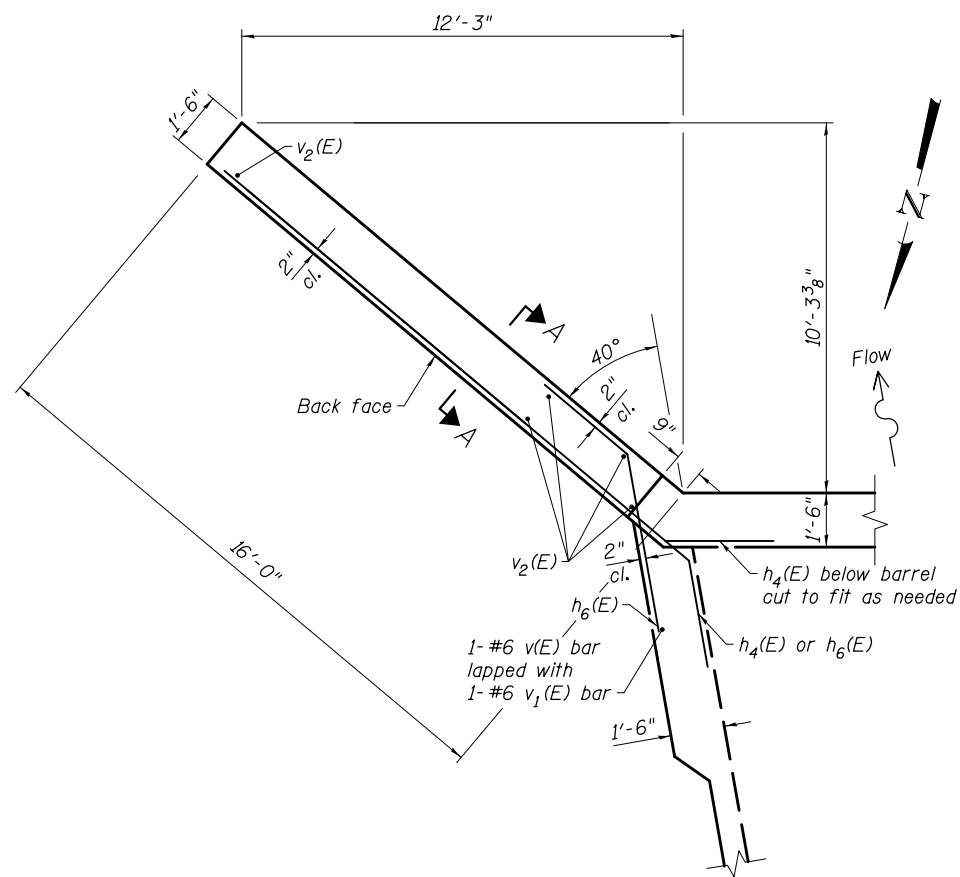
**BOX CULVERT DETAILS
 STRUCTURE NO. 015-2025**

SHEET NO. 5 OF 9 SHEETS

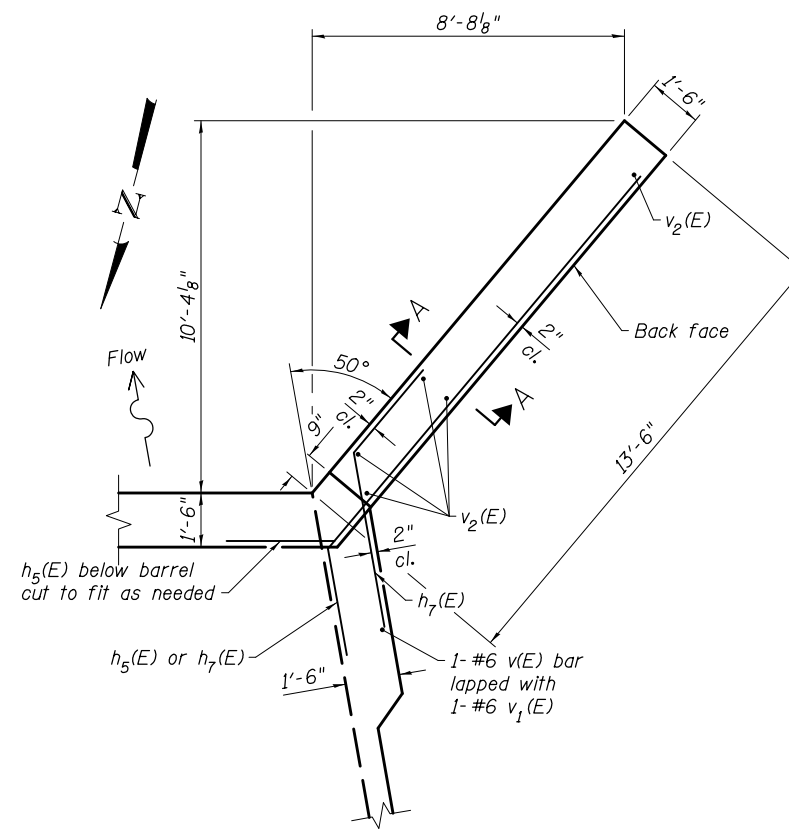
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	17
CONTRACT NO. 74652				

ILLINOIS FED. AID PROJECT

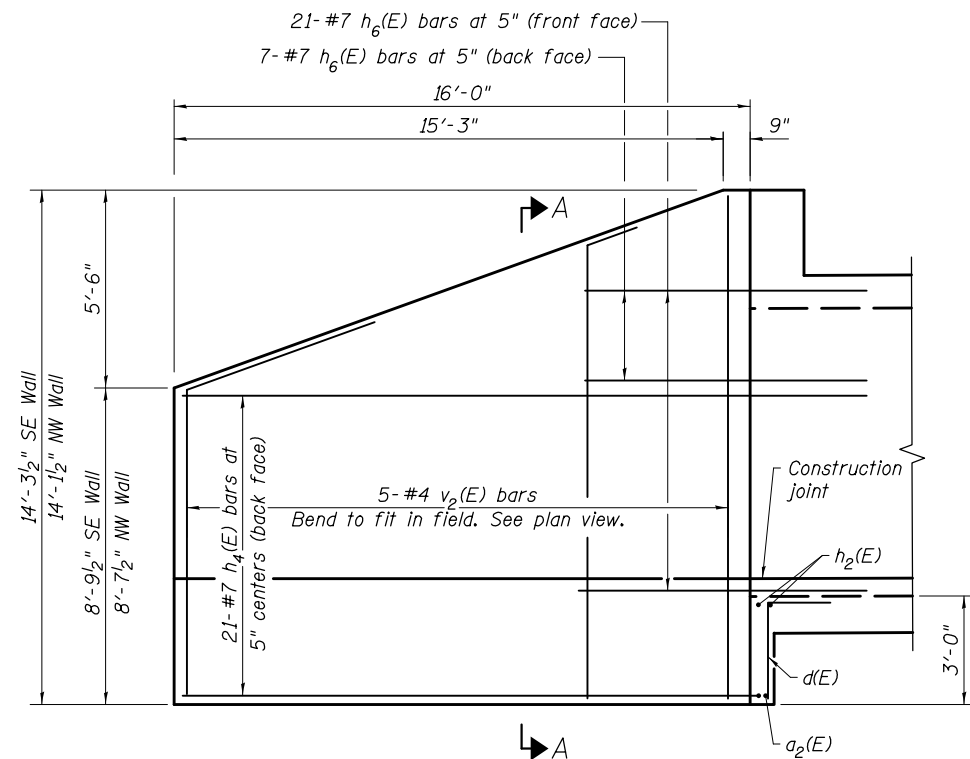
(Sheet 1 of 3)



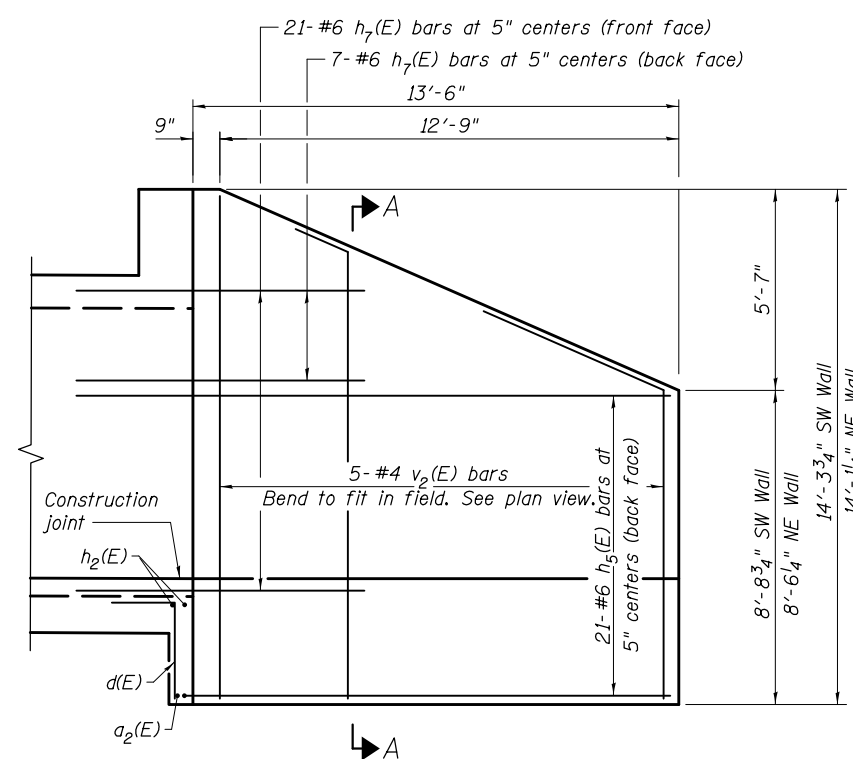
SOUTHEAST WALL PLAN
(Northwest Wall Similar)



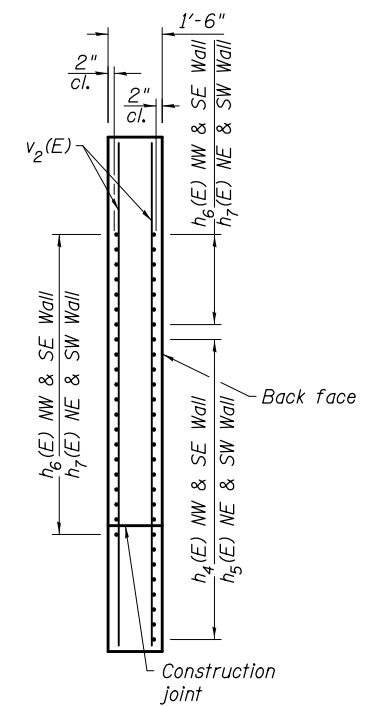
SOUTHWEST WALL PLAN
(Northeast Wall Similar)



SOUTHEAST WALL ELEVATION
(Northwest Wall Similar)
(Dimensions along front face of wall)



SOUTHWEST WALL ELEVATION
(Northeast Wall Similar)
(Dimensions along front face of wall)



SECTION A-A

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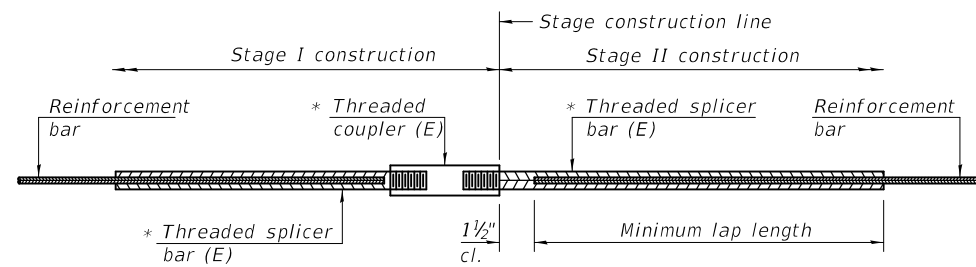
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CHECKED - RTM/ELH	08/17	REVISED - - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT DETAILS
STRUCTURE NO. 015-2025

SHEET NO. 6 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	18
CONTRACT NO. 74652				
ILLINOIS FED. AID PROJECT				

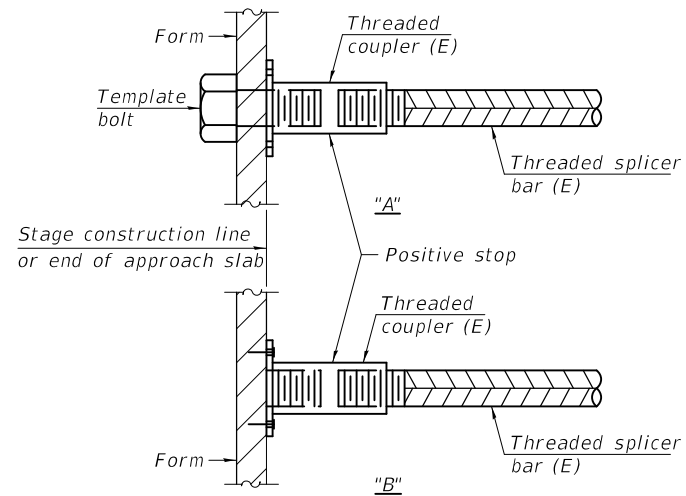


STANDARD BAR SPLICER ASSEMBLY

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Top of top slab	#5	30	3'-2"
Bot. of top slab	#5	30	3'-2"
Top of bot. slab	#5	30	3'-2"
Bot. of bot. slab	#5	30	3'-2"
Walls	#5	36	3'-7"

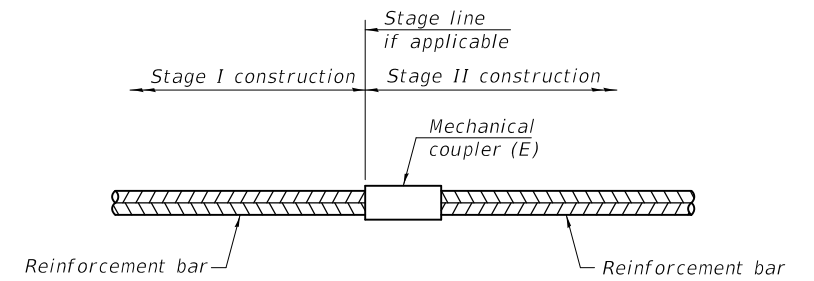


INSTALLATION AND SETTING METHODS

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

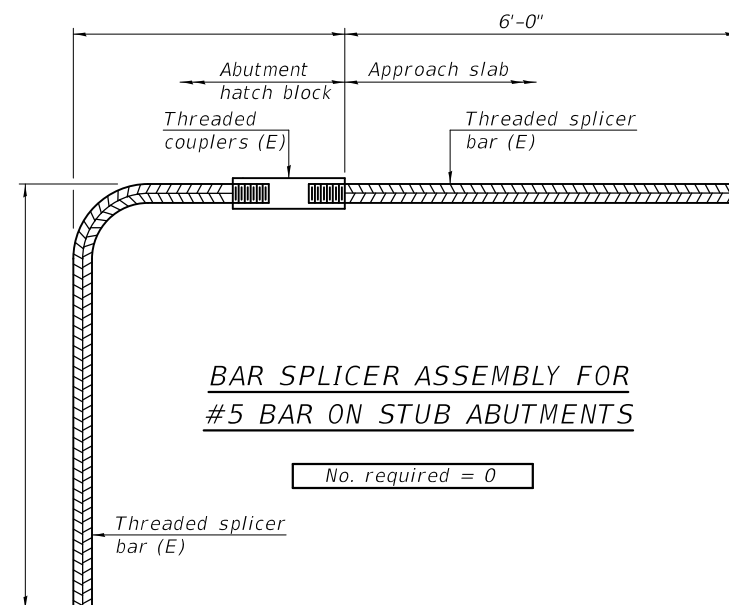
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 0

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

2-17-2017

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 015-2025**

SHEET NO. 8 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	20
CONTRACT NO. 74652				

ILLINOIS FED. AID PROJECT



SOIL BORING LOG

Date 4/26/16

ROUTE FAP 325 (IL 16) DESCRIPTION Little Wabash River LOGGED BY E. Sandschafer

SECTION (8B)B-1 LOCATION NE 1/4, SEC. 20, TWP. 12 N, RNG. 7 E, 3 PM

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO.	Station	(ft)	/6"	(tsf)	(%)	ft	ft	(ft)	/6"	(tsf)	(%)
015-2025	110+09.6					705.75	704.03				
1 (NW)	110+36										
	30.0ft North										
	711.94										
8" topsoil.						Very stiff, damp, gray, CLAY LOAM TILL.					
711.24											
Stiff, damp, dark brown, CLAY.											
3						5					
3 1.5 19						7 2.47 12					
3 PP						10 B					
▼						▼					
3 3						-25 5					
Gray mottled brown.						7 1.81 12					
3 1.75 25						9 B					
3 PP											
2						5					
3 0.74 27						6 1.65 12					
3 B											
702.44											
Very soft, damp, brown marbled gray, SILTY LOAM w/ small Gravel.						680.94					
-10 0						-30 3					
1 0.16 20						4 1.4 13					
1 B						5 B					
689.94											
Very stiff, damp, gray, CLAY LOAM TILL.						Extent of exploration.					
3 0.16 24						Benchmark: BM 502A Chiseled square on top of NE wingwall of existing structure = 713.97', Sta 109+91, 26' Rt. Provided by Program Development.					
4 B						(Existing SN 015-0013)					
-15 5						(Stationing runs from East to West)					
7 2.06 11											
9 B											
6											
6 2.06 12											
9 B											
691.94											
-20 6											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Date 4/26/16

ROUTE FAP 325 (IL 16) DESCRIPTION Little Wabash River LOGGED BY E. Sandschafer

SECTION (8B)B-1 LOCATION NE 1/4, SEC. 20, TWP. 12 N, RNG. 7 E, 3 PM

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO.	Station	(ft)	/6"	(tsf)	(%)	ft	ft	(ft)	/6"	(tsf)	(%)
015-2025	110+09.6					705.75	704.03				
2 (SE)	109+69										
	37.0ft South										
	711.94										
8" topsoil.						Very stiff to stiff, damp, gray, CLAY LOAM TILL.					
711.24											
Very stiff to medium, damp, gray/brown, CLAY.											
3						7 2.68 12					
3 2.27 21						9 B					
4 B						3 3.09 11					
▼						▼					
-5 3						-25 5					
3 0.58 26						6 2.06 12					
4 B						8 B					
704.94											
Very soft, very damp, brown, SILTY LOAM.											
0						4					
2 0.16 26						7 1.98 13					
2 B						8 B					
702.44											
Very stiff, damp, brown mottled gray, CLAY.						680.94					
-10 2						-30 3					
4 3.50 14						5 1.40 13					
6 B						6 B					
689.94											
Very stiff, damp, gray, CLAY LOAM TILL.						Extent of exploration.					
4						Benchmark: BM 502A Chiseled square on top of NE wingwall of existing structure = 713.97', Sta 109+91, 26' Rt. Provided by Program Development.					
6 2.68 13						(Existing SN 015-0013)					
10 B						(Stationing runs from East to West)					
-15 6											
8 2.47 12											
10 B											
4											
6 4.33 13											
7 B											
691.94											
-20 5											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

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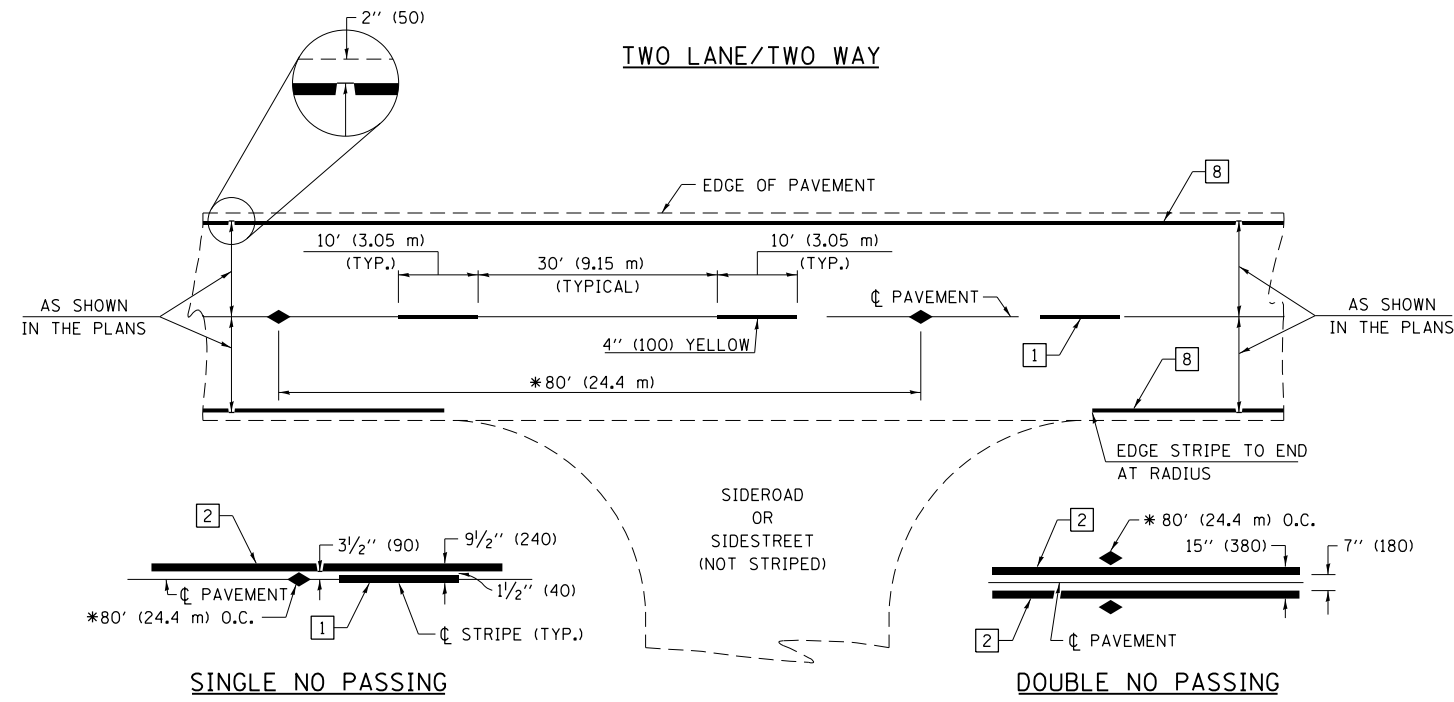


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 015-2025
SHEET NO. 9 OF 9 SHEETS

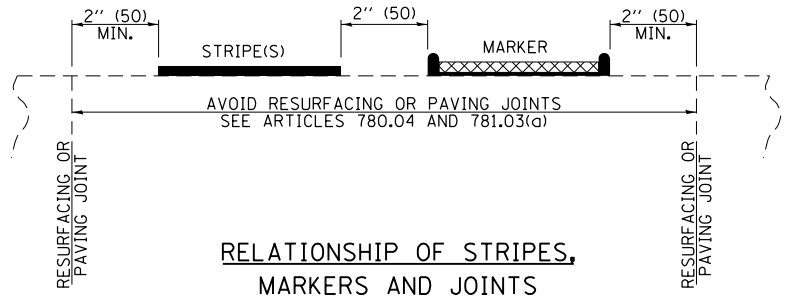
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	21
CONTRACT NO. 74652			ILLINOIS FED. AID PROJECT	



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

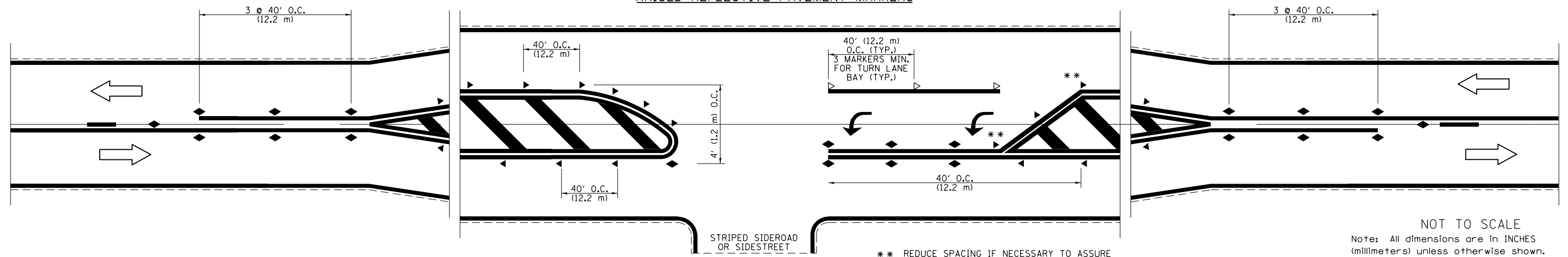


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS

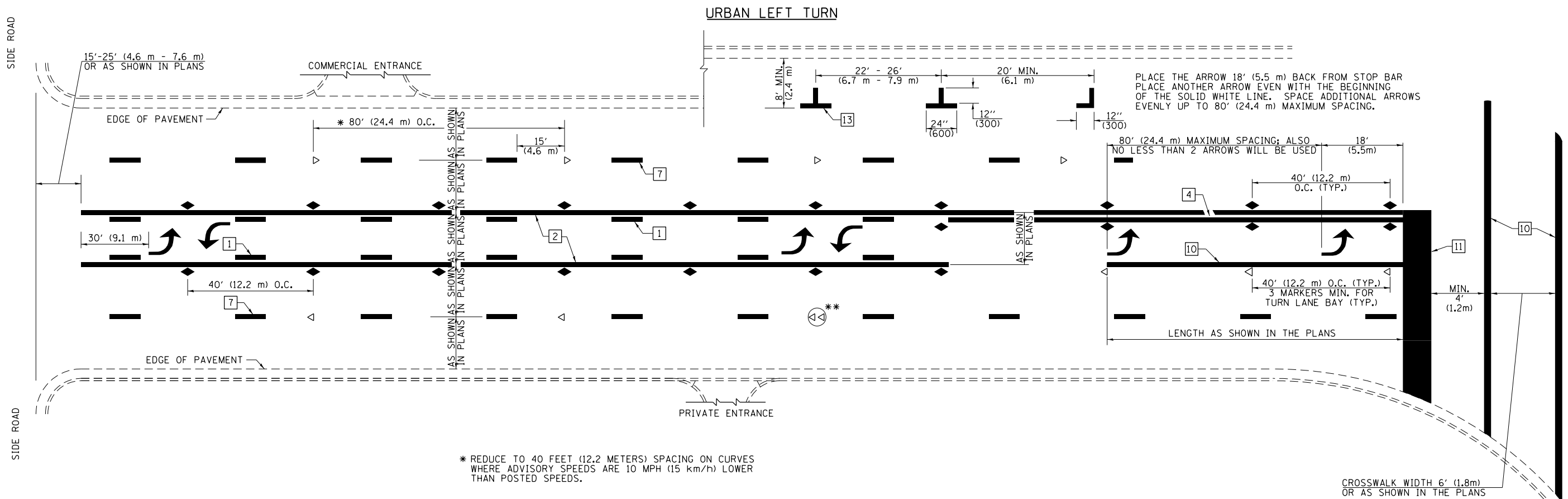


** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 7\Projects\74652\DRAWING\CABsheets\0774652-sht-details.dwg	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			325	(8B)B-1	COLES	33	22
PLOT DATE = 1/29/2018	DATE -	REVISED -	REVISED -			CONTRACT NO. 74652				
						SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	



* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

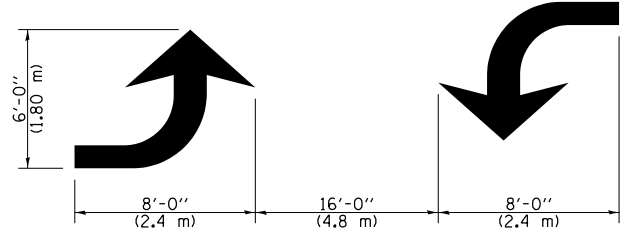
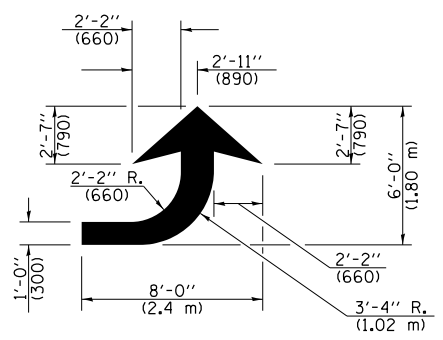
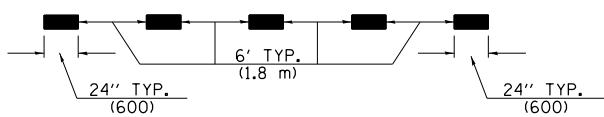
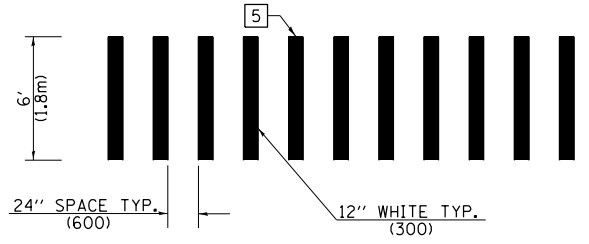
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

GENERAL NOTES

1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



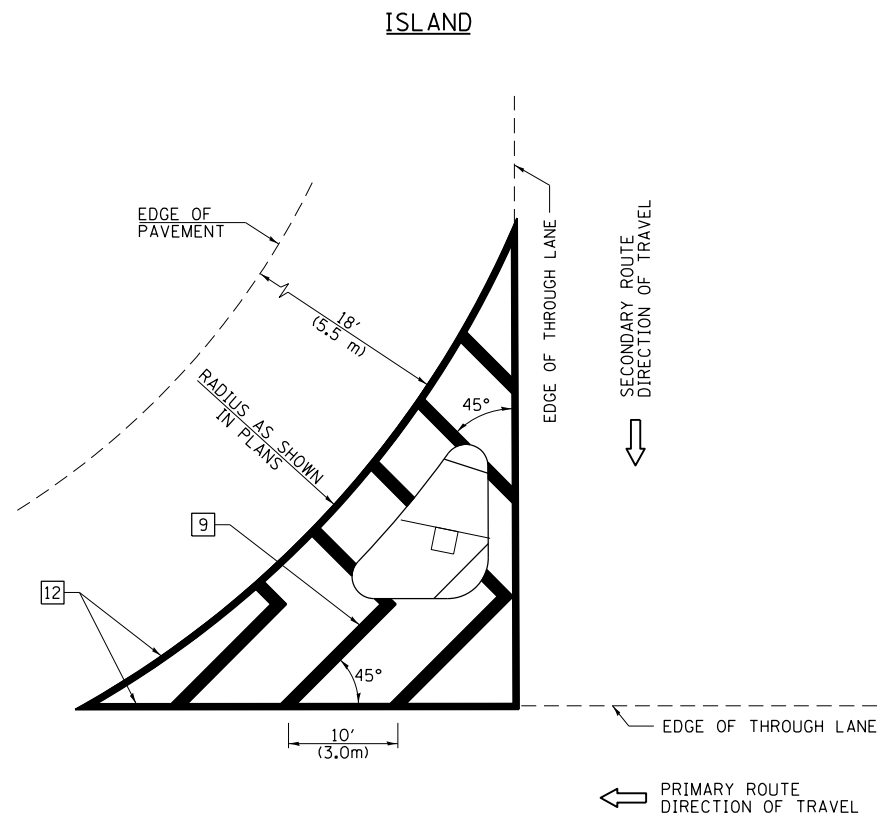
TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\74652\DRAWING\CABsheets\0774652-sht-details	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			325	(8)B-1	COLES	33	23	
PLOT DATE = 1/29/2018	DATE -	REVISED -	REVISED -			CONTRACT NO. 74652		ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.		

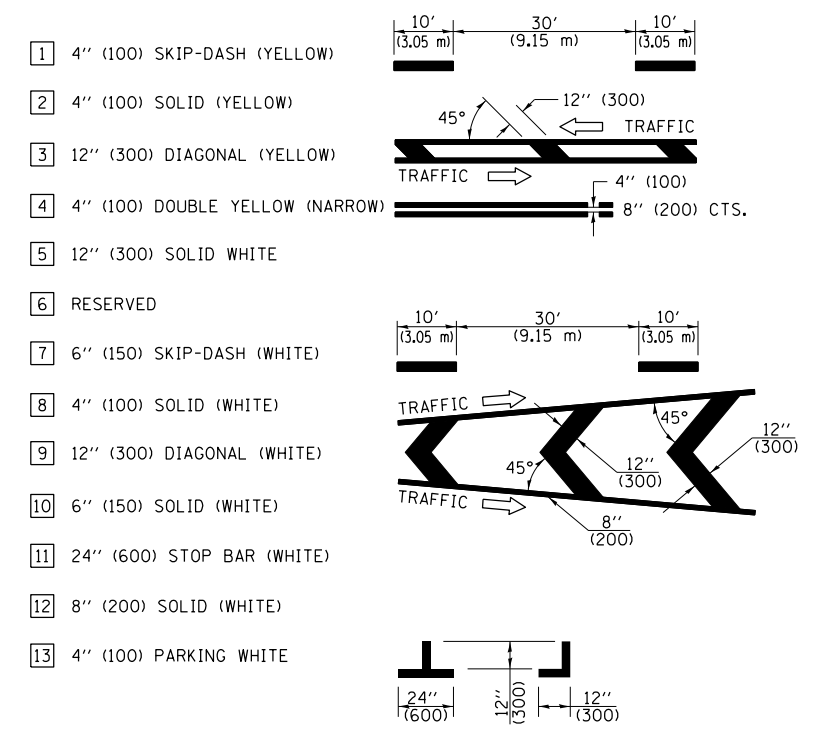


GENERAL NOTES

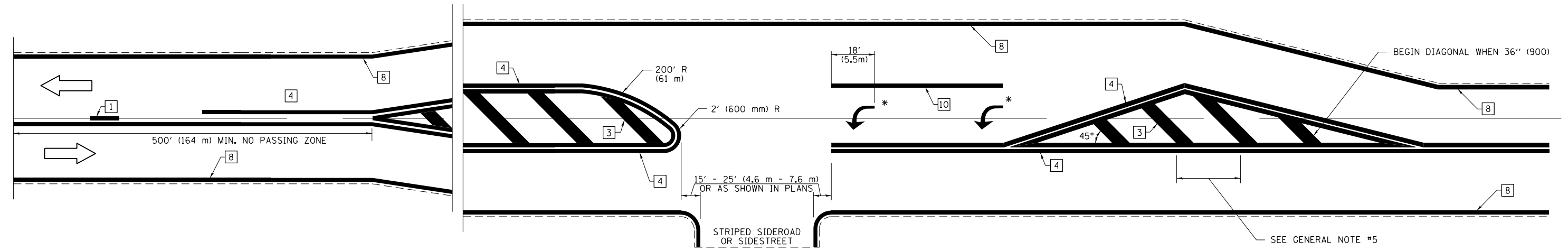
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

PAVEMENT MARKING LEGEND



RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74652\Drawings\CABsheets\0774652-sht-details		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2018	DATE -	REVISED -

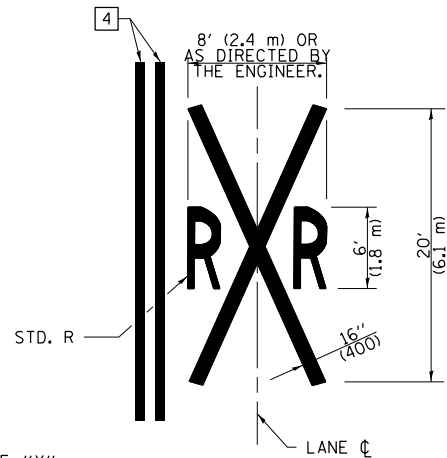
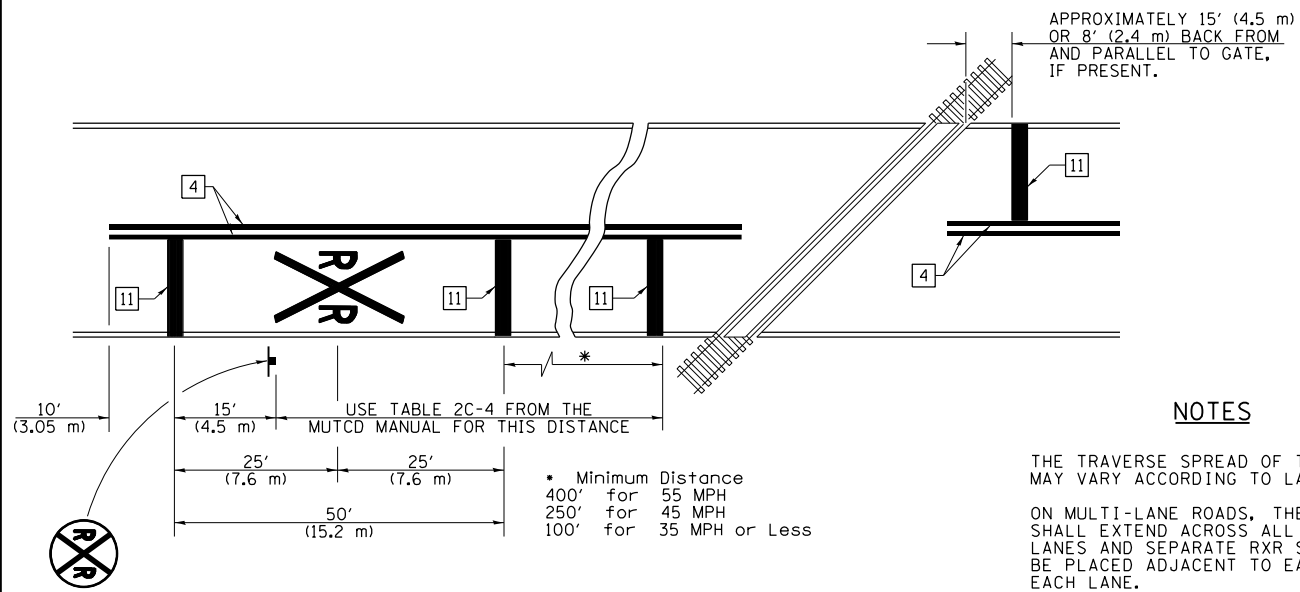
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
 (RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	24
CONTRACT NO. 74652			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

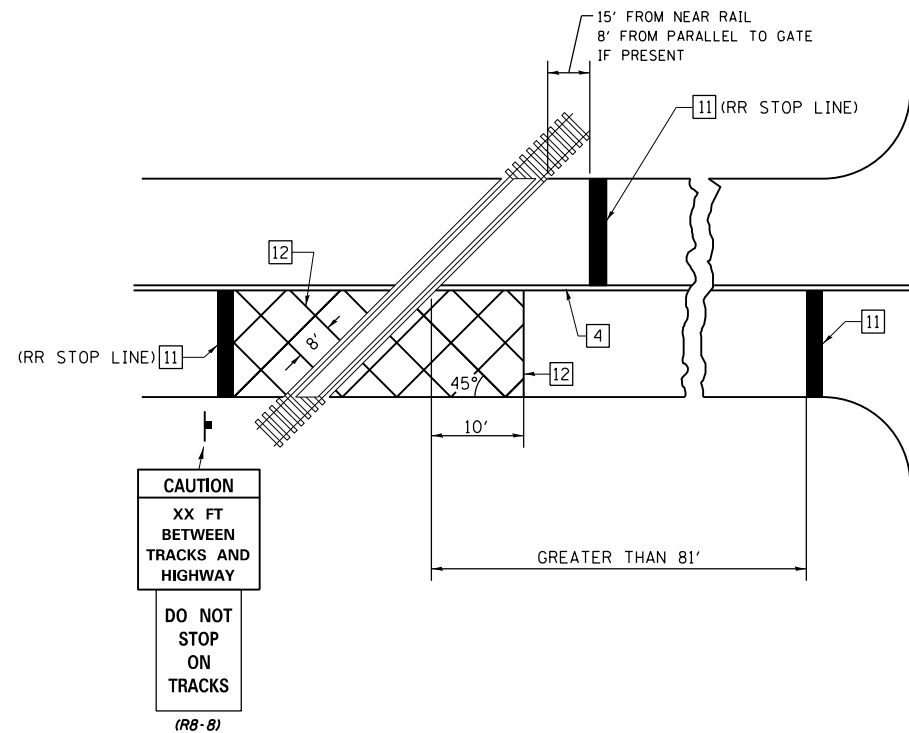
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

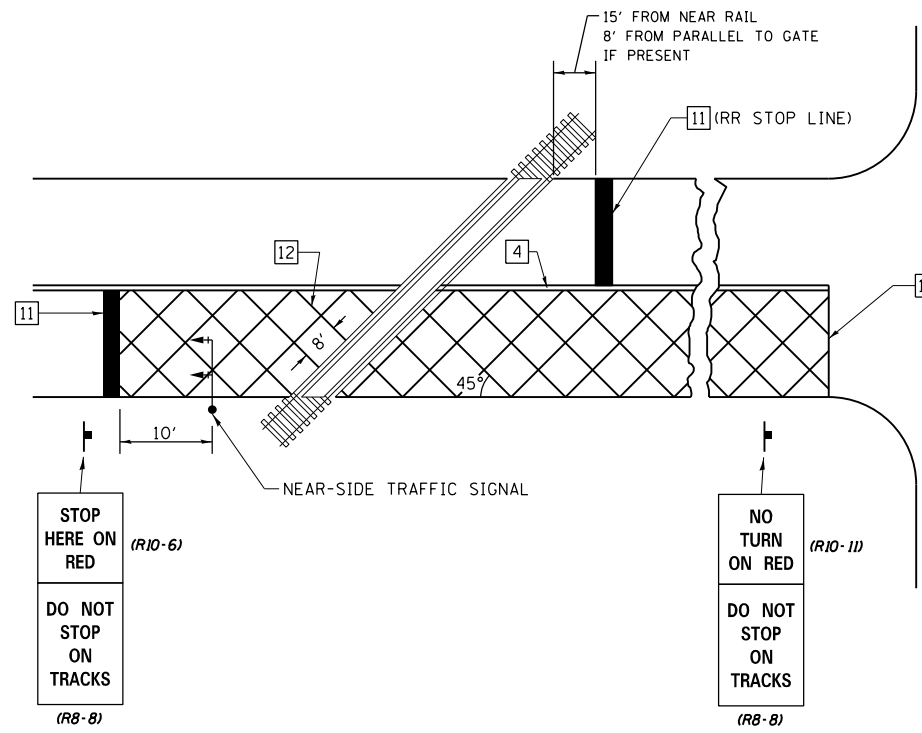
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

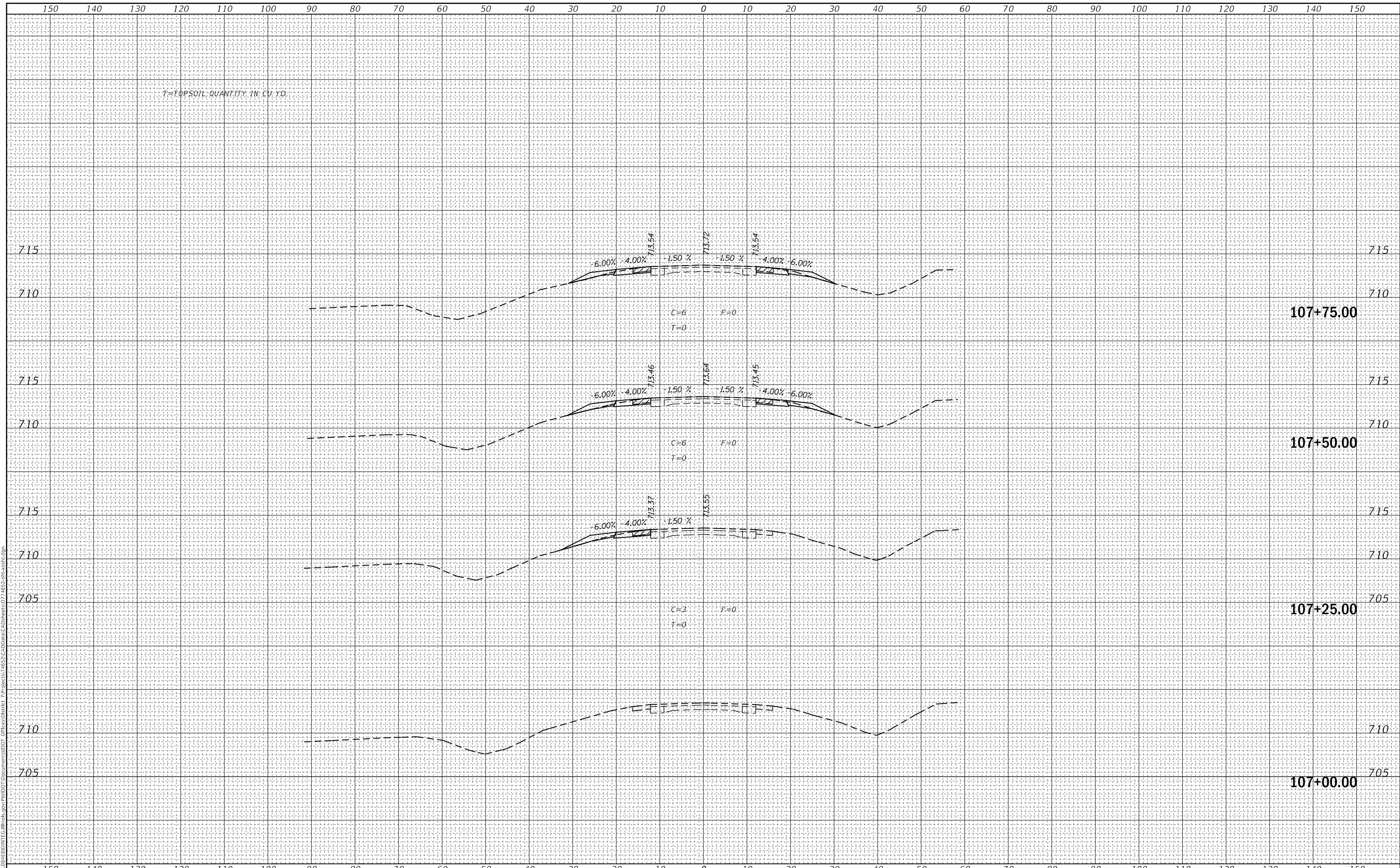
DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74652\DRAWING\CABsheets\D774652-sht-details.dwg	PLT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			325	(8)B-1	COLES	33	25	
	PLT DATE = 1/29/2018	DATE -	REVISED -			CONTRACT NO. 74652					
						ILLINOIS FED. AID PROJECT					

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

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

MODEL: Defaul
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T=TOPSOIL QUANTITY IN CU YD.

USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/29/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

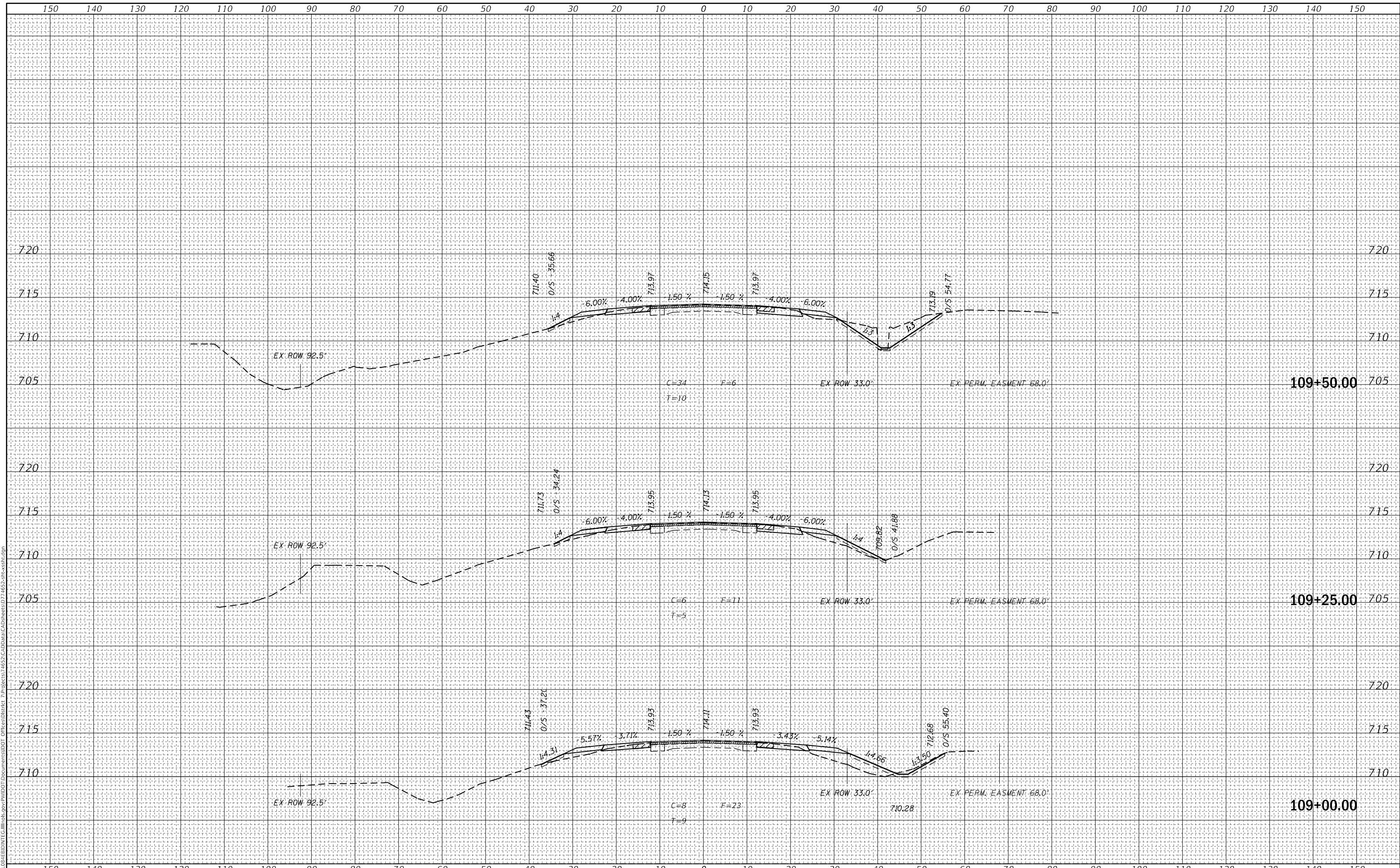
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F.A.P. RTE. 325	SECTION (8B)B-1	COUNTY COLES	TOTAL SHEETS 33	SHEET NO. 26
			CONTRACT NO. 74652	
		ILLINOIS	FED. AID PROJECT	

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

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

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USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

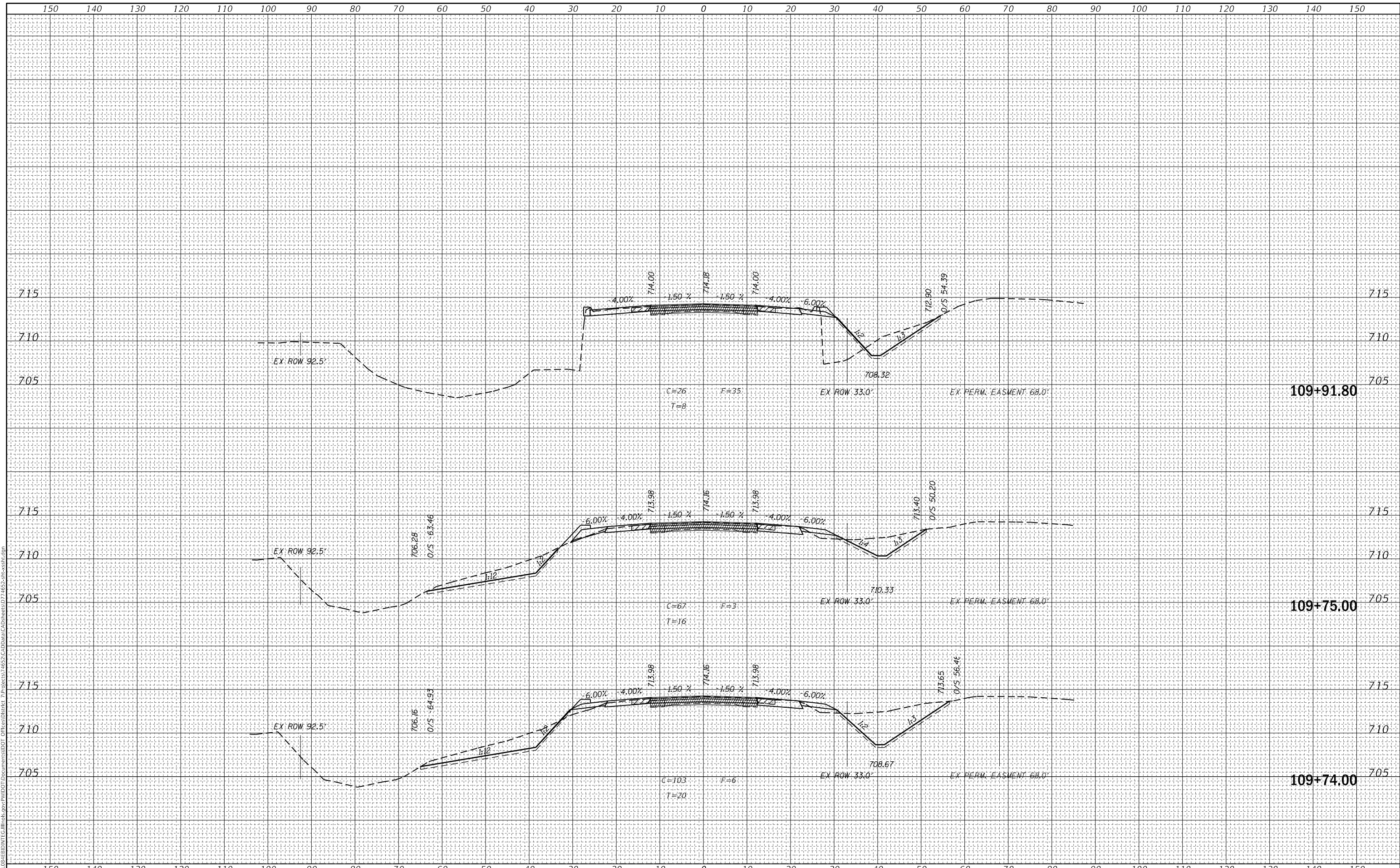
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F.A.P. RTE. 325	SECTION (8B)B-1	COUNTY COLES	TOTAL SHEETS 33	SHEET NO. 28
CONTRACT NO. 74652			ILLINOIS FED. AID PROJECT	

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

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

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/29/2018	DATE -	REVISED -

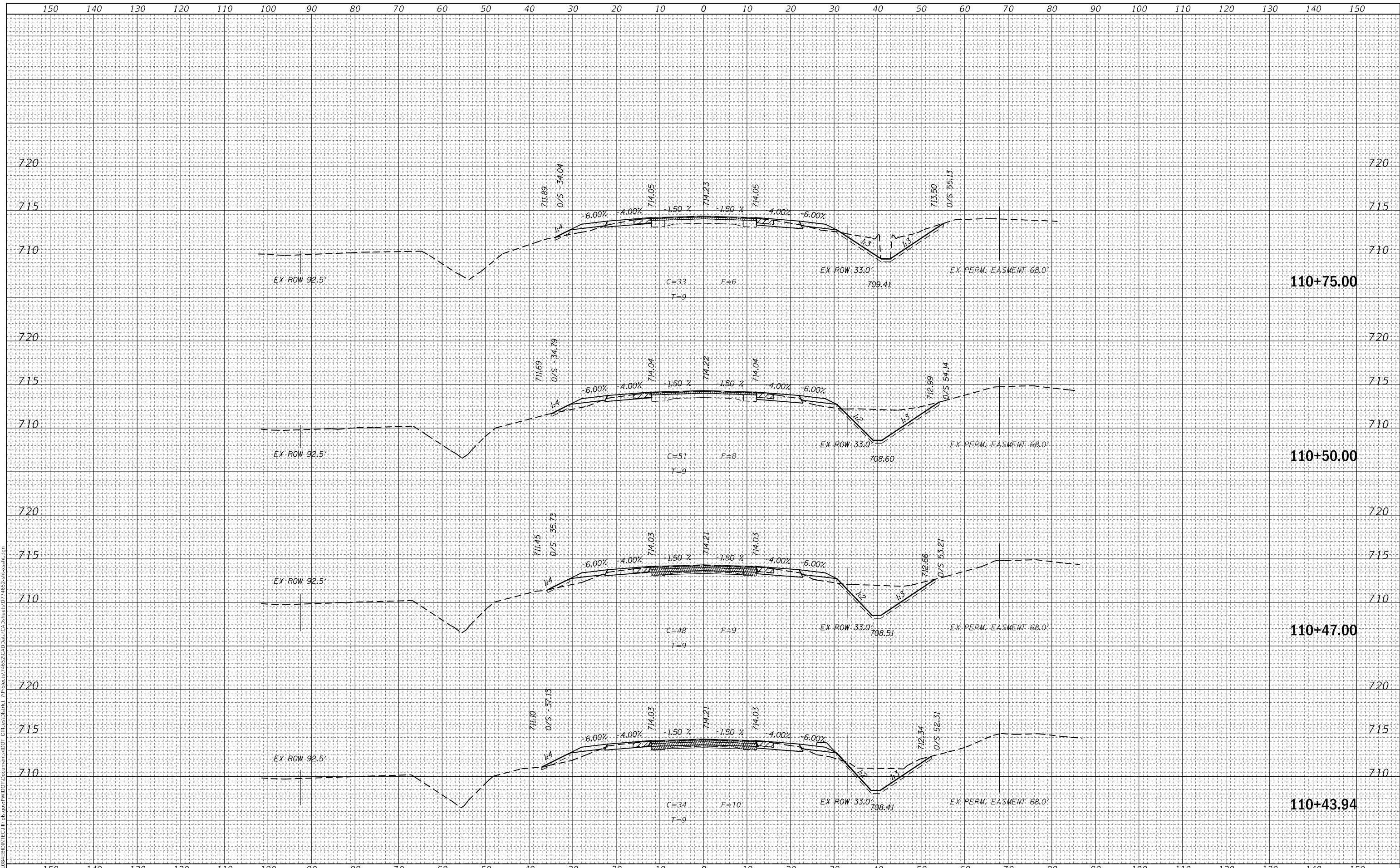
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F.A.P. RTE. 325	SECTION (8B)B-1	COUNTY COLES	TOTAL SHEETS 33	SHEET NO. 29
CONTRACT NO. 74652			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME = stefenmk	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISD -
PLOT DATE = 1/29/2018	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

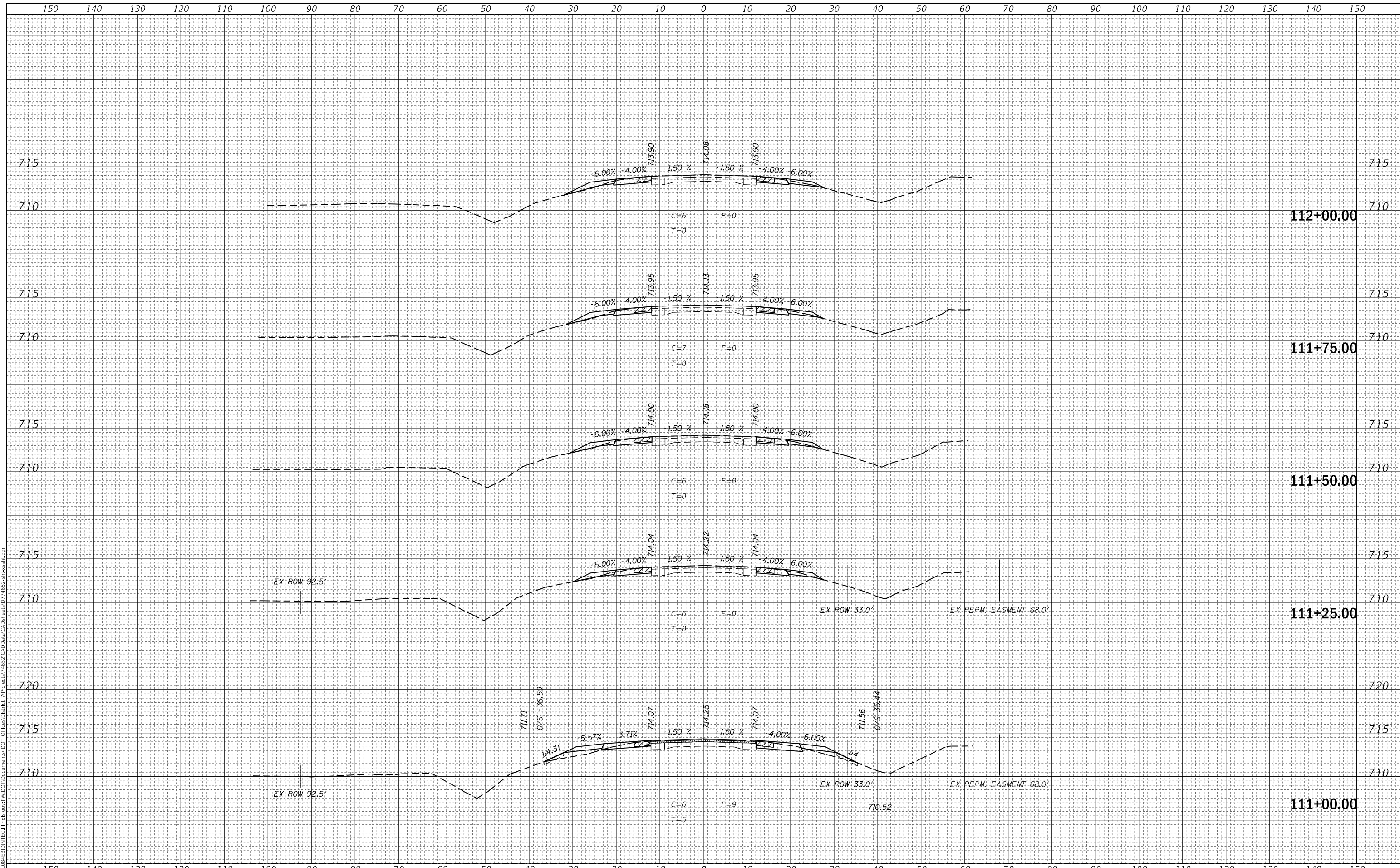
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F.A.P. RTE. 325	SECTION (8B)B-1	COUNTY COLES	TOTAL SHEETS 33	SHEET NO. 31
CONTRACT NO. 74652			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

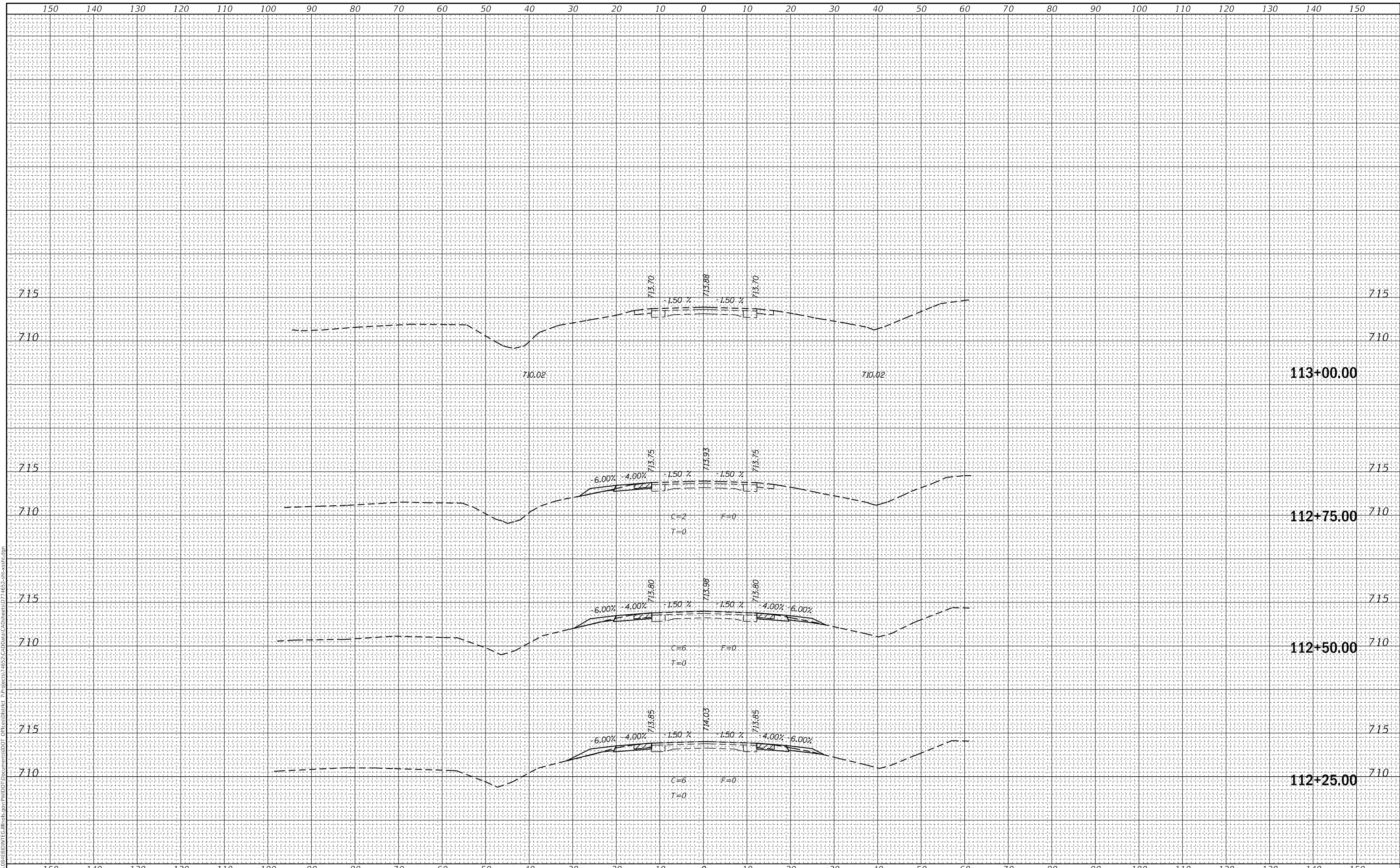
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F.A.P. RTE. 325	SECTION (8B)B-1	COUNTY COLES	TOTAL SHEETS 33	SHEET NO. 32
			CONTRACT NO. 74652	
		ILLINOIS	FED. AID PROJECT	

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

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

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME = stefenmk
DESIGNED -
DRAWN -
PLOT SCALE = 20.0000' / in.
PLOT DATE = 1/29/2018

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

SCALE: SHEET OF SHEETS STA. 112+25.00 TO STA. 113+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(8B)B-1	COLES	33	33
CONTRACT NO. 74652				
ILLINOIS FED. AID PROJECT				