

034

01-17-2020 LETTING ITEM 054

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

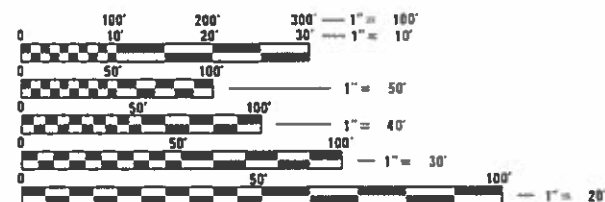
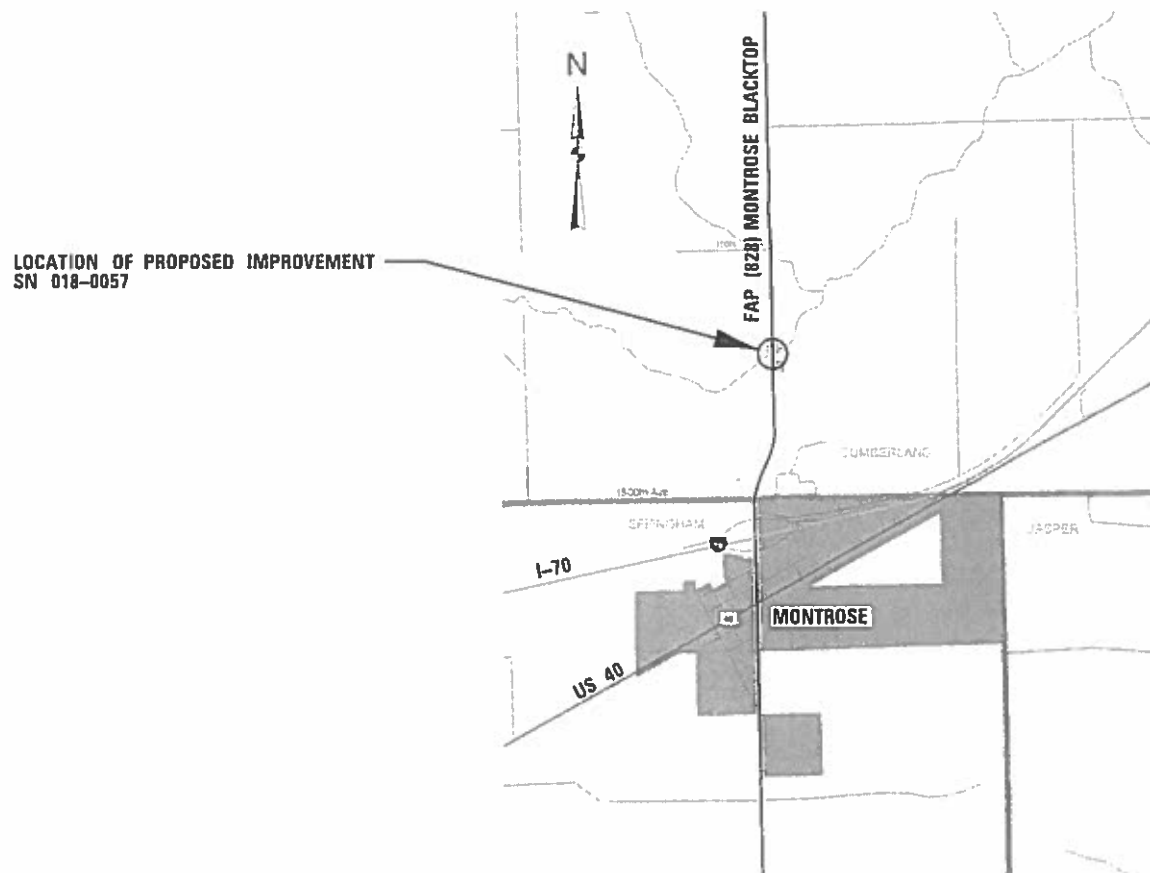
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	1
		ILLINOIS	CONTRACT NO. 74325	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
ADT (2016) = 2200

PROPOSED HIGHWAY PLANS

FAP ROUTE 828 (MONTROSE BLACKTOP)
SECTION (12BR-1)BR
PROJECT STP-FXLP(642)
BRIDGE SUPERSTRUCTURE REPLACEMENT
CUMBERLAND COUNTY

C-97-088-08



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: DEB BARRETT
PROJECT MANAGER: MATT BOWER

CONTRACT NO. 74325

GROSS LENGTH = 108.92 FT. = 0.02 MILE
NET LENGTH = 108.92 FT. = 0.02 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 15 2019

Jeffrey P. Myer
REGIONAL ENGINEER

Dee 2019
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

David P. Chaffin
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

THE WORK INCLUDED IN THIS SECTION CONSISTS OF REPLACING THE EXISTING DECK BEAMS, WEARING SURFACE BRIDGE APPROACH PAVEMENTS, GUARDRAIL AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION. THE EXISTING DECK BEAMS WILL BE REPLACED WITH A CAST-IN-PLACE REINFORCED CONCRETE SLAB.

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE AND PAINT SHALL BE USED ON THE MILLED AND BINDER SURFACES.

REMOVAL OF TEMPORARY PAVEMENT MARKINGS SHOWN ON THE STANDARD OR ON PLAN DETAILS WILL BE INCLUDED IN THE COST OF THE STANDARD.

THE LOCATION OF THE PERMANENT SURVEY MARKER IN THE NEW STRUCTURE SHALL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA SURFACE COURSE, MIX "C", N70 (2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
HMA BINDER COURSE, IL-9.5, FINE GRADED, N70 (VARIABLE DEPTH)	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	QC/QA
HMA SHOULDERS, 10" (TOP LIFT) & HMA SHOULDERS TON PAY ITEM	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
HMA SHOULDERS, 10" (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6	TYPICAL CROSS SECTIONS
7-9	SCHEDULES OF QUANTITIES
10-11	PLAN AND PROFILE SHEETS
12-13	STAGE PLAN SHEETS
14-32	BRIDGE PLAN SHEETS
33-34	DISTRICT 7 MISC DETAILS
35-38	DISTRICT 7 PAVEMENT MARKING DETAILS
39-45	CROSS SECTIONS

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

STD. NO. DESCRIPTION

000001-07	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
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-04	NAME PLATE FOR BRIDGES
630001-12	STEEL PLATE BEAM GUARDRAIL
630116	BACK SIDE PROTECTION OF GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR YPE 1 GUARDRAIL TERMINALS
631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
643001-02	SAND MODULE IMPACT ATTENUATORS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701316-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS >= 45 MPH
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

REV. - MS

MODEL: Default
FILE: Main1 - Plots\planroom.dwg
PROJECT: 174325\CADDData\CAD\Drawings\DOT - Offices\District 7\Projects\174325\CADDData\CAD\Drawings\DOT - Offices\District 7\Projects\174325-sht-gen-note.dgn

USER NAME = bowerml	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	828			(12BR-1)BR	Cumberland	45	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74325				
PLOT DATE = 11/26/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		013		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	96	96		
20200100	EARTH EXCAVATION	CU YD	261	261		
20300100	CHANNEL EXCAVATION	CU YD	549	549		
20400800	FURNISHED EXCAVATION	CU YD	537	537		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	369	369		
* 25000200	SEEDING, CLASS 2	ACRE	0.5	0.5		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45		
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45		
* 25100115	MULCH, METHOD 2	ACRE	0.5	0.5		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	50		
28000400	PERIMETER EROSION BARRIER	FOOT	1260	1260		
28100109	STONE RIPRAP, CLASS A5	SO YD	663	663		
28200200	FILTER FABRIC	SO YD	663	663		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		013		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	3	3		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	605	605		
40600990	TEMPORARY RAMP	SO YD	173	173		
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	39	39		
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	130	130		
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SO YD	80	80		
44000100	PAVEMENT REMOVAL	SO YD	107	107		
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	388	388		
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SO YD	1019	1019		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	112	112		
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	1		
50102400	CONCRETE REMOVAL	CU YD	4	4		
50200100	STRUCTURE EXCAVATION	CU YD	108	108		

* SPECIALTY ITEM

MODEL: Default
FILE: Model - 20190808.dwg
PROJECT: 74325
CADD: 74325-CADD-001.dwg

USER NAME = steffenmk	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISOR -
PLOT DATE = 10/15/2019	CHECKED -	REVISIONS -
	DATE -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	3
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		013		
50300225	CONCRETE STRUCTURES	CU YD	22.3	22.3		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	216.3	216.3		
50300260	BRIDGE DECK GROOVING	SQ YD	668	668		
50300300	PROTECTIVE COAT	SQ YD	668	668		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	101.1	101.1		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	117340	117340		
50800515	BAR SPLICERS	EACH	635	635		
50901050	STEEL RAILING, TYPE SM	FOOT	274	274		
51500100	NAME PLATES	EACH	1	1		
52200010	TEMPORARY SHEET PILING	SQ FT	83	83		
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	36	36		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	78	78		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	49	49		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	457	457		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		013		
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	375	375		
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		
63200310	GUARDRAIL REMOVAL	FOOT	1139	1139		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		
67100100	MOBILIZATION	L SUM	1	1		
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1		
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	1194	1194		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		

* SPECIALTY ITEM

REV. - MS

MODEL: Default
FILE: M:\MS - Planning\room.dat\illinois.gov\RD\DOT\Documents\DOT_Offices\District_7\Projects\74325\CAD\Drawings\74325-pln-S00.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	4
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		013		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	113	113		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	535	535		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	443	443		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	346	346		
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2		
70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2		
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1640	1640		
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	22	22		
* A2006524	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1163	1163		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		013		
X5015225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	97	97		
X6050065	REMOVING INLETS, SPECIAL	EACH	4	4		
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	90	90		
X7010202	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	57	57		
Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	50	50		
Z0004552	APPROACH SLAB REMOVAL	SQ YD	107	107		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	331	331		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	124	124		

* SPECIALTY ITEM

MODEL: Default
 FILE: Model - 20190808.dwg
 PROJECT: 74325
 SHEET: 5 of 5
 DATE: 10/15/2019

USER NAME = steffenmk	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/15/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

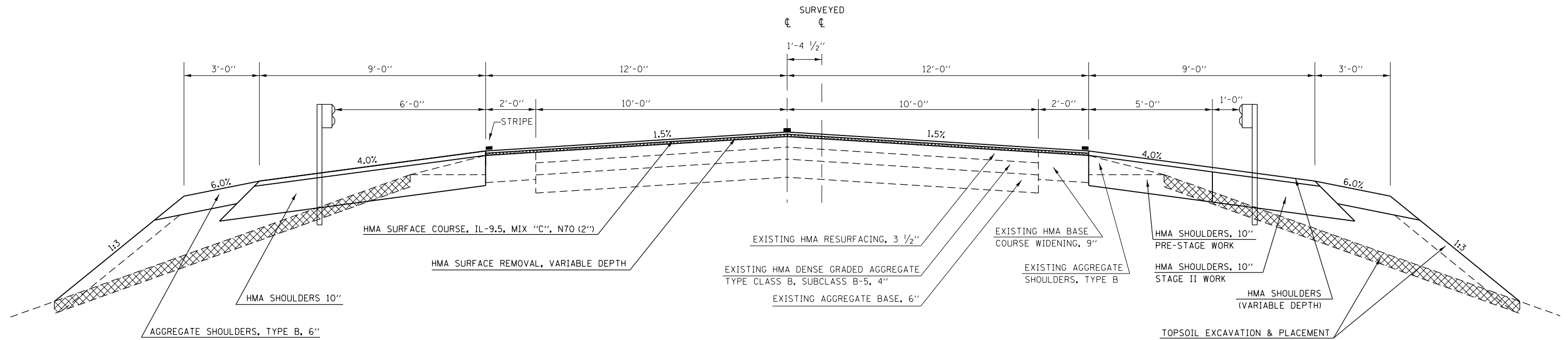
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	5
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

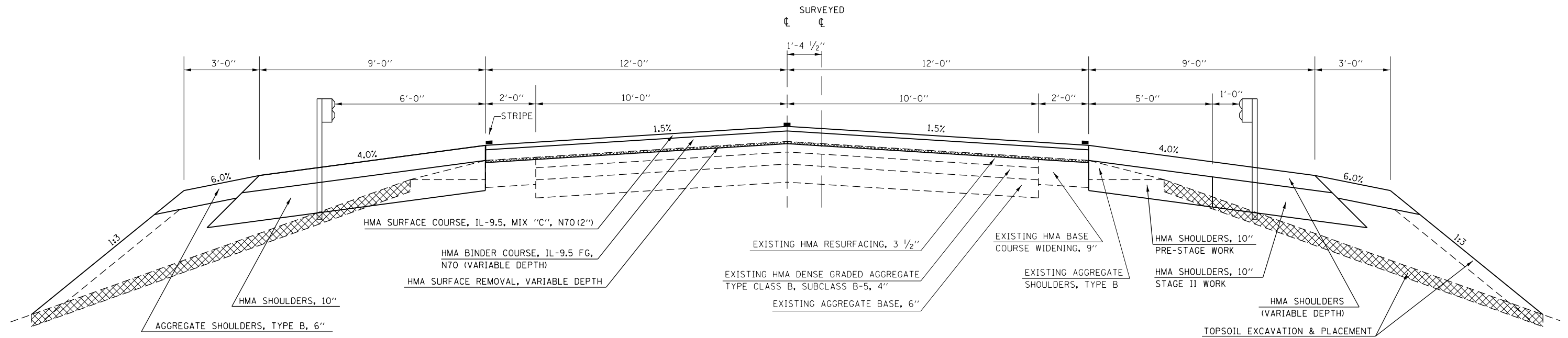
TYPICAL CROSS SECTION FAP 828

STATION TO STATION
 450+00.00 451+25.00
 454+50.00 456+25.00



TYPICAL CROSS SECTION FAP 828

STATION TO STATION
 451+25.00 452+23.54
 454+12.46 454+50.00



MODEL: Default
 FILE: Model: p:\pub\baronm.dwg
 PROJECT: 74325
 OFFICE: D:\data\74325\CADD\data\CAD\sheet\74325-sheet\typical.dgn

USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/15/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	6
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

TREE REMOVAL (OVER 15 UNITS DIAMETER)		
STATION	OFFSET	UNIT
454+33	46' LT	42
455+07	43' LT	30
455+79	42' LT	24
TOTAL =		96

AGGREGATE SURFACE COURSE, TYPE B						
STATION	TO	STATION	SO FT	LENGTH (FT)	CU YD	TON
PRIVATE ENTRANCE		451+61.13 RT	1.0	43.8	1.6	3.3
TOTAL =					3	

EARTHWORK ANALYSIS					
LOCATION	EARTH EXCAVATION CU YD	EARTH EXCAVATION EMBANKMENT ADJUSTED FOR SHRINKAGE (25%) CU YD	EMBANKMENT CU YD	EARTHWORK BALANCE WASTE(+) OR SHORTAGE (-) CU YD	TOPSOIL EXCAVATION AND PLACEMENT CU YD
LT STA. 449+50 TO 456+25	221	165.75	882	-716.25	177
RT STA. 449+50 TO 456+25	40	30	262	-232	118
CHANNEL EXCAVATION	549	411.75	0	411.75	0
TOTALS =	810	607.5	1144	-536.5	295

BITUMINOUS MATERIALS (TACK COAT)						
STATION	TO	STATION	LENGTH (FT)	MAINLINE WIDTH (FT)	AREA (SQ FT)	POUND

MAINLINE						
450+00.00		451+25.00	125.00	24	3000.0	150.00 HMA SURFACE
451+25.00		452+23.54	98.54	24	2365.0	177.37 HMA SURFACE & BINDER
454+12.46		454+50.00	37.54	24	901.0	67.57 HMA SURFACE & BINDER
454+50.00		456+25.00	175.00	24	4200.0	210.00 HMA SURFACE
TOTAL =					605	

EARTH EXCAVATION =	261
FURNISHED EXCAVATION =	537
TOPSOIL EXCAVATION AND PLACEMENT =	369
CHANNEL EXCAVATION =	549

TEMPORARY RAMP						
STATION	TO	STATION	DROPOFF (FT)	LENGTH (FT)	MAINLINE WIDTH (FT)	SO YD
450+00.00		450+07.00	0.167	7	36	28
452+19.94		452+33.54	0.340	13.6	36	54.4
454+02.46		454+18.06	0.390	15.6	36	62.4
456+18.00		456+25.00	0.167	7	36	28
TOTAL =					173	

STATION	TO	STATION	SO FT	SEEDING CLASS 2 ACRE	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	MULCH METHOD 2 ACRE	TEMPORARY EROSION CONTROL SEEDING POUND
LT 449+50.00		452+65.00	6110.0	0.140	12.6	12.6	12.6	0.140	14.0
LT 453+71.00		456+25.00	5050.0	0.116	10.4	10.4	10.4	0.116	11.6
RT 450+00.00		452+65.00	3140.0	0.072	6.5	6.5	6.5	0.072	7.2
RT 453+71.00		456+25.00	5393.0	0.124	11.1	11.1	11.1	0.124	12.4
TOTAL =				0.452	40.7	40.7	40.7	0.452	45.2
USE =				0.5	45.0	45.0	45.0	0.5	50.0

HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70							
STATION	TO	STATION	LENGTH (FT)	MAINLINE WIDTH (FT)	AREA (SQ YD)	AVERAGE THICKNESS (IN)	TON
451+25.00		452+23.54	98.54	24	262.8	1.82	26.7
454+12.46		454+50.00	37.54	24	100.1	2.14	12.0
TOTAL =							39

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "C", N70							
STATION	TO	STATION	LENGTH (FT)	MAINLINE WIDTH (FT)	AREA (SQ YD)	THICKNESS (IN)	TON
450+00.00		452+23.54	223.54	24	596.1	2.00	66.8
454+12.46		456+25.00	212.54	24	566.8	2.00	63.5
TOTAL =							130

PERIMETER EROSION BARRIER			
STATION	TO	STATION	LENGTH (FT)
LT 449+50.00		453+00.00	350.00
LT 453+20.00		456+25.00	305.00
RT 450+00.00		453+00.00	300.00
RT 453+20.00		456+25.00	305.00
TOTAL =			1260.00

PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB					
STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	SO YD
452+23.54		452+33.54	10.00	36	40
454+02.46		452+12.46	10.00	36	40
TOTAL =					80

MODEL: Default
 FILE: \\hpc-pub\hpcroom\dat\illinois\pwr\WIDOT\Documents\DOT_Offices\Illinet\7\Projects\74325\CADD\Drawings\74325-sbs-schedules.dgn

USER NAME =	steffenmk	DESIGNED -		REVISED -	
		DRAWN -		REVISED -	
PLOT SCALE =	100.0000' / in.	CHECKED -		REVISED -	
PLOT DATE =	10/15/2019	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.
828	(12BR-1)BR	Cumberland	45	7
CONTRACT NO. 74325			ILLINOIS FED. AID PROJECT	

PAVEMENT REMOVAL				
STATION	TO	STATION	LENGTH (FT)	SQ YD
452+23.54		452+43.54	20.00	53.3
453+92.46		454+12.46	20.00	53.3
TOTAL =				107

AGGREGATE SHOULDERS, TYPE B 6"					
STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	SQ YD
LT 449+20.00		452+64.00	344.00	3	114.7
LT 453+72.00		456+25.00	253.00	3	84.3
RT 449+50.00		452+64.00	314.00	3	104.7
RT 453+72.00		456+25.00	253.00	3	84.3
TOTAL =					388

HMA SHOULDERS 10"					
STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	SQ YD
LT 449+35.00		449+71.00	36.00	6	24.0
LT 449+71.00		452+64.00	293.00	9	293.0
LT 453+72.00		455+87.00	215.00	9	215.0
LT 455+87.00		456+13.00	26.00	6	17.3
RT 450+15.00		450+50.00	35.00	6	23.3
RT 450+50.00		452+64.00	214.00	9	214.0
RT 453+72.00		455+87.00	215.00	9	215.0
RT 455+87.00		456+13.00	26.00	6	17.3
TOTAL =					1019

HMA SHOULDERS (TON)					
STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	TON
RT 450+50.00		451+25.00	75.00	18	16.8
RT 451+25.00		452+23.54	98.54	18	59.4
RT 454+12.46		454+50.00	37.54	18	36.2
TOTAL =					112

GUARDRAIL REMOVAL			
STATION	TO	STATION	LENGTH (FT)
LT 449+00.00		452+65.59	365.6
RT 448+00.16		451+30.00	329.8
RT 451+87.00		452+65.73	78.7
LT 453+71.35		455+97.20	225.8
RT 453+71.55		455+10.07	138.5
TOTAL =			1139

STATION	TO	STATION	FOOT	FOOT	FOOT	EACH	EACH	EACH
LT 449+00.00		449+16.00			25			
LT 449+16.00		450+03.50		87.5				5
LT 450+03.50		452+10.89	207.4					
LT 452+10.89		452+48.54				1.0		
RT 447+52.00		447+71.17			25			
RT 447+71.17		450+58.67		287.5				5
RT 450+58.67		451+27.03	68.4					
RT 451+27.03		451+36.31			17			
RT 451+75.57		451+92.17			23			4
RT 451+92.17		452+10.89	18.7					
RT 452+10.89		452+48.54				1		
LT 453+87.33		454+24.98				1.0		4
LT 454+24.98		455+24.98	100.0					
LT 455+24.98		455+74.98					1.0	
RT 453+87.33		454+24.98				1.0		4
RT 454+24.98		454+87.48	62.5					
RT 454+87.48		455+37.48					1.0	
TOTAL =			457	375	90	4	2	22

NOTES: 1- QUANTITIES, LOCATIONS, AND STATION RANGES OF SOME ITEMS MAY VARY BASED ON THE MANUFACTURER'S SPECIFICATIONS OF THE TYPE 1 TERMINAL BEING INSTALLED IN THE FIELD. THESE QUANTITIES, STATIONS, AND LOCATIONS ARE BASED ON A 50' TYPE 1 TERMINAL WITH 37.5' OF THE TERMINAL BEING INCLUDED IN THE LENGTH OF NEED.

PAVEMENT MARKING BLACKOUT TAPE, 5"				
	STATION	TO	STATION	LENGTH (FT)
STAGE 1				
CENTERLINE	449+51.00		451+16.00	41.25
CENTERLINE	454+87.00		456+97.00	52.50
RT	450+78.00		455+37.00	459.00
STAGE 2				
CENTERLINE	448+30.00		450+10.00	45.00
CENTERLINE	451+16.00		451+91.00	18.75
CENTERLINE	454+87.00		456+23.00	34.00
LT	449+74.00		455+17.00	543.00
TOTAL =				1194

SHORT TERM PAVEMENT MARKING				
	STATION	TO	STATION	LENGTH (FT)
CENTERLINE	450+00.00		456+25.00	62.50
LT	450+00.00		456+25.00	25.00
RT	450+00.00		456+25.00	25.00
TOTAL =				113

SHORT TERM PAVEMENT MARKING REMOVAL						
	STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	SQ FT
CENTERLINE	450+00.00		456+25.00	62.50	0.33	20.8
LT	450+00.00		456+25.00	25.00	0.33	8.3
RT	450+00.00		456+25.00	25.00	0.33	8.3

REMOVAL FOR BLACKOUT TAPE 5"						
	STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	SQ FT
STAGE 1						
CENTERLINE	449+51.00		451+16.00	41.25	0.42	17.19
CENTERLINE	454+87.00		456+97.00	52.50	0.42	21.88
RT	450+78.00		455+37.00	459.00	0.42	191.25
STAGE 2						
CENTERLINE	448+30.00		450+10.00	45.00	0.42	18.75
CENTERLINE	451+16.00		451+91.00	18.75	0.42	7.81
CENTERLINE	454+87.00		456+23.00	34.00	0.42	14.17
LT	449+74.00		455+17.00	543.00	0.42	226.25
TOTAL =						535

TEMPORARY CONCRETE BARRIER				
	STATION	TO	STATION	LENGTH (FT)
STAGE 1				
	450+96.00		455+39.00	443.00
TOTAL =				443

RELOCATE TEMPORARY CONCRETE BARRIER				
	STATION	TO	STATION	LENGTH (FT)
STAGE 2				
	450+18.00		450+81.00	63.00
	452+26.00		455+09.00	283.00
TOTAL =				346

MODEL: Default
 FILE: h:\a\c\p\pub\haronom.dwg
 PROJECT: 74325\CAD\DATA\CAD\haronom.dwg
 PROJECT: 74325\CAD\DATA\CAD\haronom.dwg

USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	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.
828	(12BR-1)BR	Cumberland	45	8
			CONTRACT NO. 74325	
		ILLINOIS	FED. AID PROJECT	

PAINT PAVEMENT MARKING - LINE 4"					
	STATION	TO	STATION	LENGTH (FT)	COLOR
CENTERLINE	450+00.00		456+25.0	156.25	YELLOW
LT	450+00.00		456+25.0	625.00	WHITE
RT	450+00.00		456+25.0	625.00	WHITE
NO PASSING ZONE	450+00.00		452+34.0	234.00	YELLOW
TOTAL =				1640	

PINNING TEMPORARY CONCRETE BARRIER					
	STATION	TO	STATION	LENGTH (FT)	EACH
STAGE 1	452+23.54		454+12.4	188.92	45
TRANSITIONS ON EACH END 3 PINS EACH					6
STAGE 2	TRANSITIONS ON EACH END 3 PINS EACH				6
TOTAL =					57

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH					
STATION	TO	STATION	LENGTH (FT)	MAINLINE WIDTH (FT)	AREA (SQ YD)
450+00.00		452+23.54	223.54	24	596
454+12.46		456+25.00	212.54	24	566.8
TOTAL =					1163

BRIDGE APPROACH SHOULDER REMOVAL						
	STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	SQ YD
LT	452+49.54		452+63.54	14.00	8	12.4
RT	452+49.54		452+63.54	14.00	8	12.4
LT	453+72.48		453+86.48	14.00	8	12.4
RT	453+72.48		453+86.48	14.00	8	12.4
TOTAL =						50

STATION	REMOVAL DEPTH (FT)
450+00.00	0.17
450+25.00	0.13
450+50.00	0.11
450+75.00	0.08
451+00.00	0.05
451+25.00	0.13
451+50.00	0.09
451+75.00	0.05
452+00.00	0.04
452+23.54	0.04
454+12.46	0.04
454+25.00	0.04
454+50.00	0.14
454+75.00	0.14
455+00.00	0.24
455+25.00	0.24
455+50.00	0.23
455+75.00	0.21
456+00.00	0.19
456+25.00	0.17

APPROACH SLAB REMOVAL					
STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	SQ YD
452+43.54		452+63.54	20.00	24	53
453+72.46		453+92.46	20.00	24	53
TOTAL =					107

PIPE CULVERT REMOVAL (SPECIAL)		
	STATION	FT
LT	452+53.00	25.0
LT	453+84.00	25.0
RT	452+53.00	22.0
RT	453+84.00	25.0
TOTAL =		97.0

REMOVING INLETS, SPECIAL		
	STATION	EACH
LT	452+53.00	1
LT	453+84.00	1
RT	452+53.00	1
RT	453+84.00	1
TOTAL =		4

MODEL: Default
 FILE: h:\mfc_p\pub\planroom.dwg
 PROJECT: 74325\CAAD\Drawings\DOT - Offices\Drawings\74325-Sub-structures.dwg

USER NAME = steffenmk	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/15/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

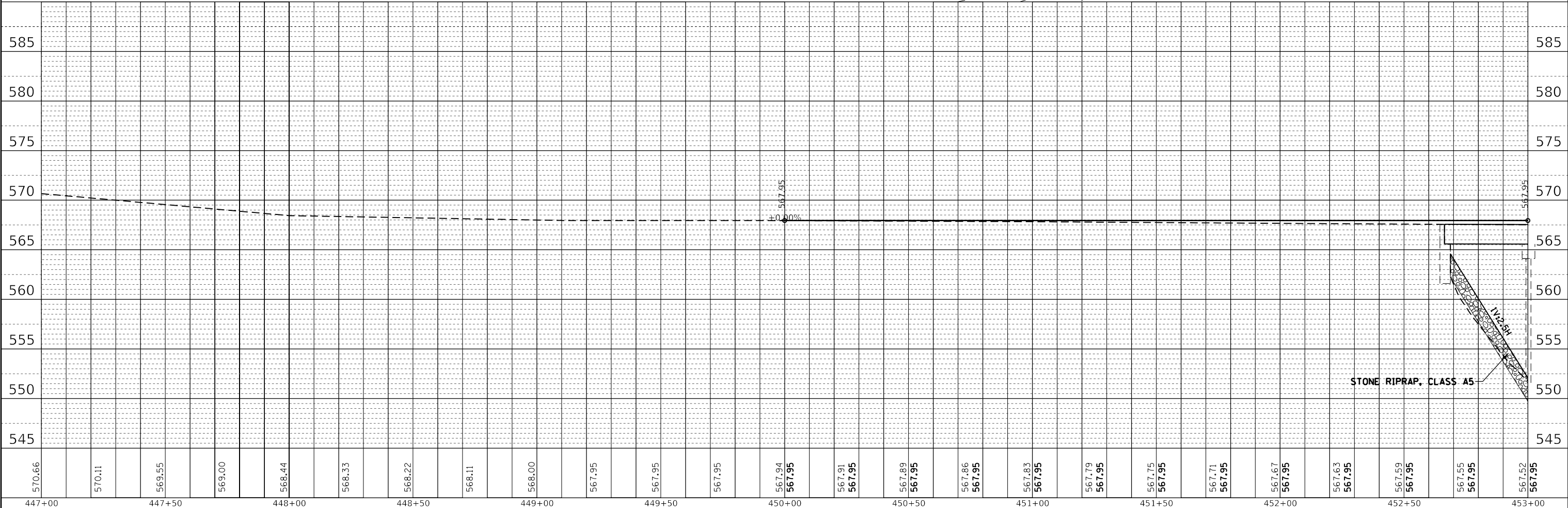
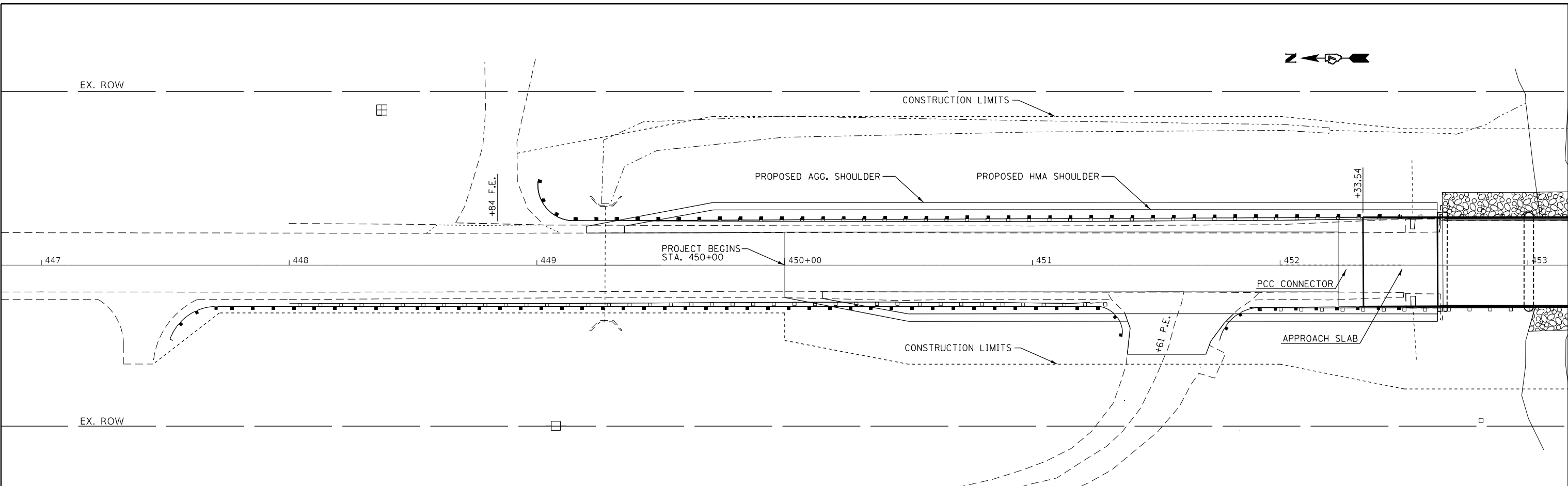
SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	9
				CONTRACT NO. 74325
		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

MODEL: Default
 FILE NAME: p:\illinois\road\illinois\gov\p\1101\DOT\Documents\DOT_Offices\Bldg\74325\CAD\Drawings\74325-she-plan.dgn



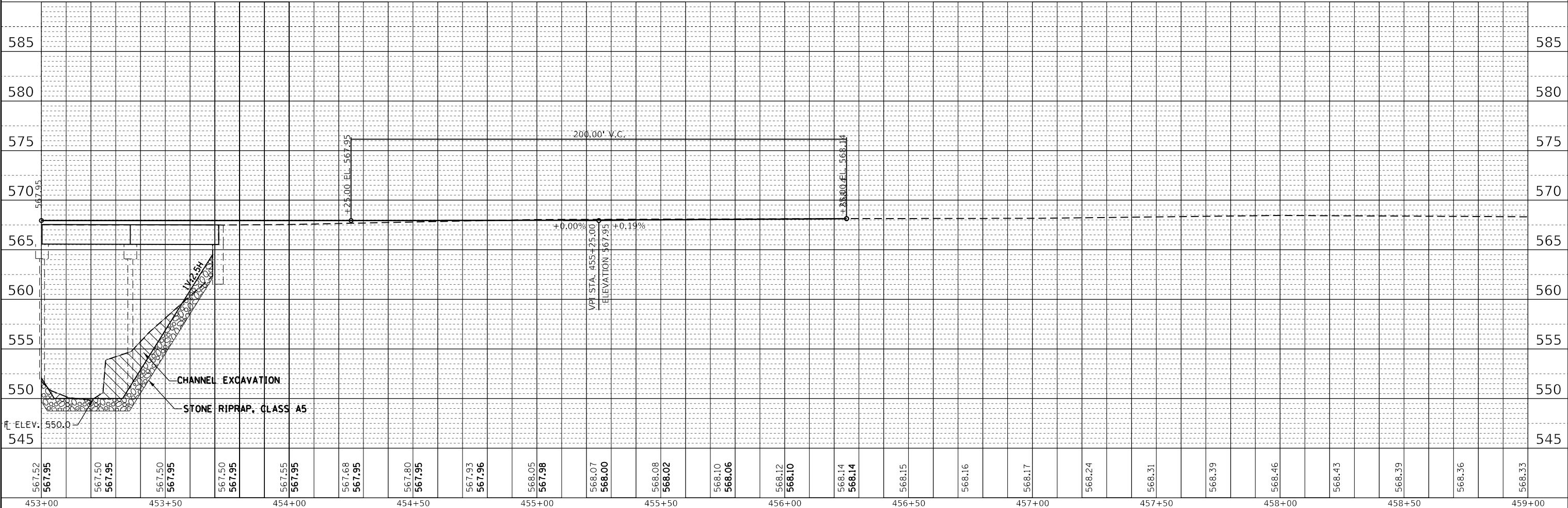
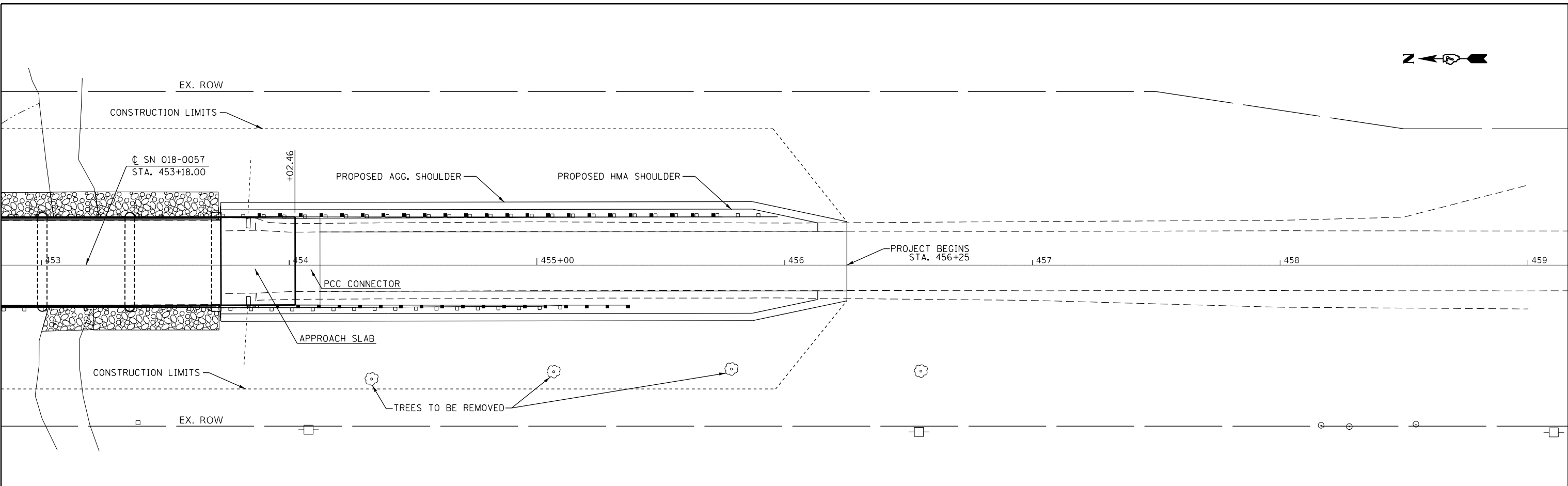
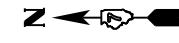
USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 828	SECTION (12BR-1)B	COUNTY Cumberland	TOTAL SHEETS 45	SHEET NO. 10
CONTRACT NO. 74325			ILLINOIS FED. AID PROJECT	



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNMENT CHECKED
	NOTE BOOK
	NO.
	CADD FILE NAME
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	NOTE BOOK
	NO.
	STRUCTURE NOTATIONS
	CRWD
	NO.

MODEL: Default
 FILE NAME: p:\vll\mroom.d\illinois.gov\p\10101\Documents\DOT Offices\Belttct 7\Projects\74325\CADD\Sheet\74325-she-plan.dgn

567.52	567.95	567.50	567.95	567.50	567.95	567.55	567.95	567.68	567.95	567.80	567.95	567.93	567.96	568.05	567.98	568.07	568.00	568.08	568.02	568.10	568.06	568.12	568.10	568.14	568.14	568.15	568.16	568.17	568.24	568.31	568.39	568.46	568.43	568.39	568.36	568.33
453+00	453+00	453+50	453+50	454+00	454+00	454+50	454+50	455+00	455+00	455+50	455+50	456+00	456+00	456+50	456+50	457+00	457+00	457+50	457+50	458+00	458+00	458+50	458+50	459+00	459+00	459+00	459+00	459+00	459+00	459+00	459+00	459+00	459+00	459+00	459+00	459+00

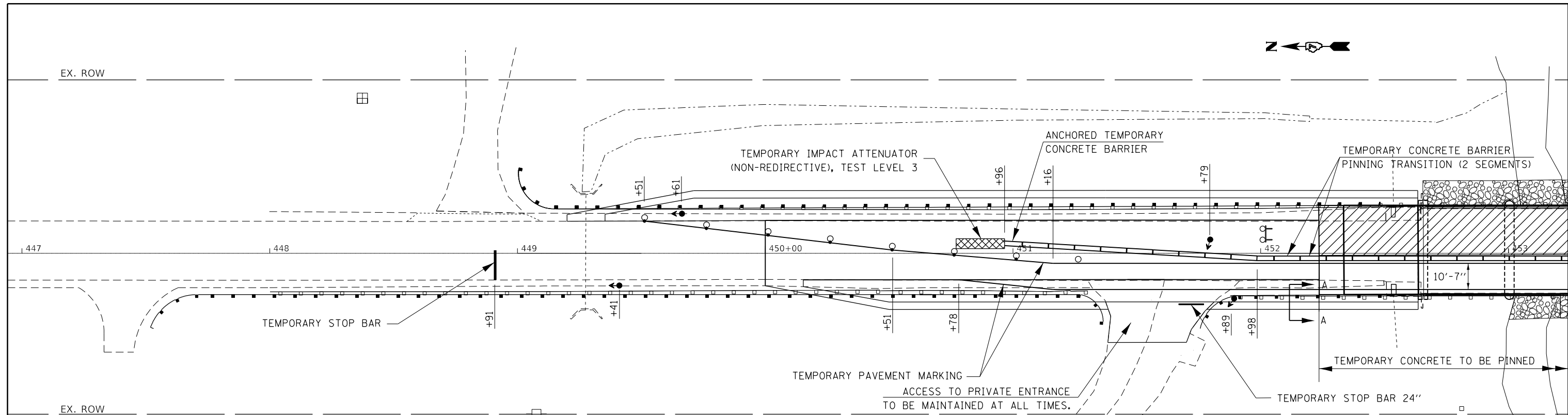
USER NAME	= stefenmk	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 40.0000 "/td> <td>CHECKED</td> <td>-</td> <td>REVISED</td> <td>-</td>	CHECKED	-	REVISED	-
PLOT DATE	= 10/15/2019	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

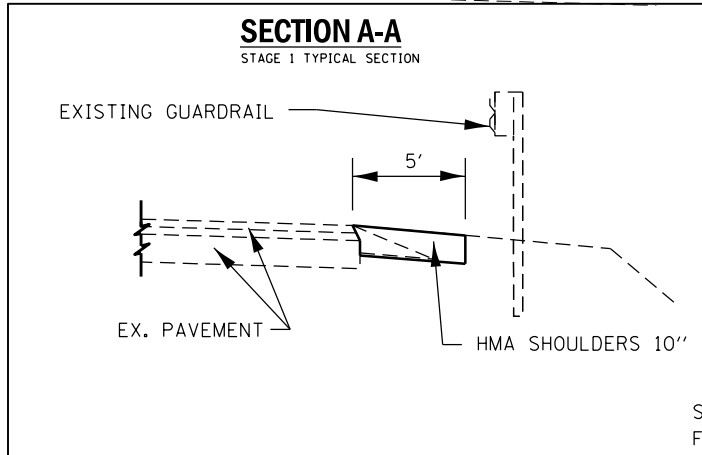
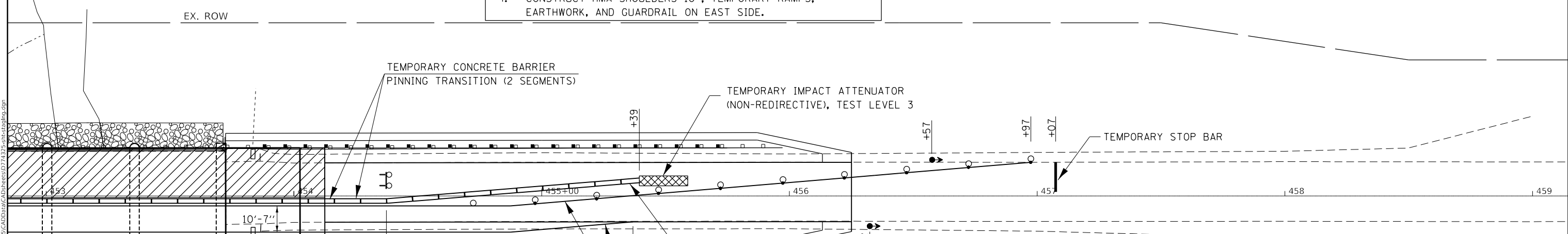
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)B	Cumberland	45	11
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				



SUGGESTED PRE-STAGE SEQUENCE OF OPERATIONS:
 1. CONSTRUCT 5' OF THE HMA SHOULDERS 10" ON THE WEST SIDE.
 2. INSTALL TEMPORARY TRAFFIC SIGNALS.

SUGGESTED STAGE I SEQUENCE OF OPERATIONS:
 1. ACTIVATE TEMPORARY TRAFFIC SIGNALS.
 2. INSTALL TEMPORARY CONCRETE BARRIERS, TEMPORARY IMPACT ATTENUATORS AND TRAFFIC CONTROL DEVICES.
 3. CONSTRUCT THE STAGE I PORTION OF THE PROPOSED STRUCTURE, BRIDGE APPROACH, PAVEMENT CONNECTOR, AND RIP RAP.
 4. CONSTRUCT HMA SHOULDERS 10", TEMPORARY RAMPS, EARTHWORK, AND GUARDRAIL ON EAST SIDE.

ACCESS TO PRIVATE ENTRANCE TO BE MAINTAINED AT ALL TIMES.



SYMBOLS

- WORK AREA
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TRAFFIC SIGNAL
- IMPACT ATTENUATOR
- DRUM

NOTES

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR INFORMATION NOT SHOWN ON THIS SHEET

MODEL: Default
 FILE: \\blm\c:\pub\barroom\dat\illinois\scop\RWIDOT\Documents\DOT_Offices\Illinet\7\Projects\742325\CADD\Drawings\742325-ec-sha-bk.dgn

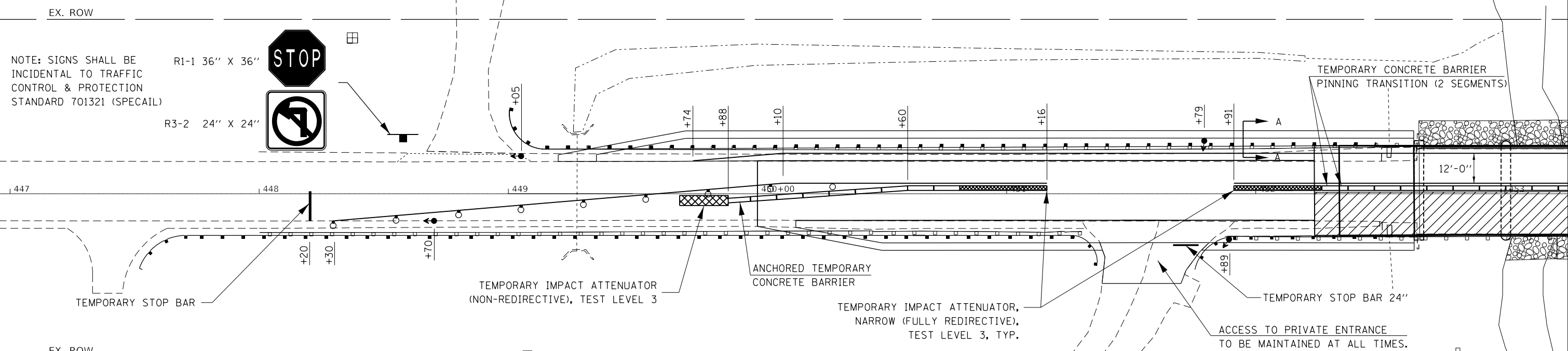
USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGING
STAGE 1**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	12
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

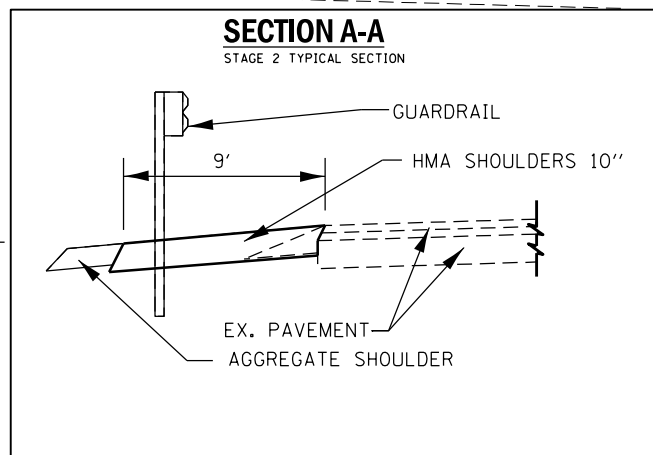
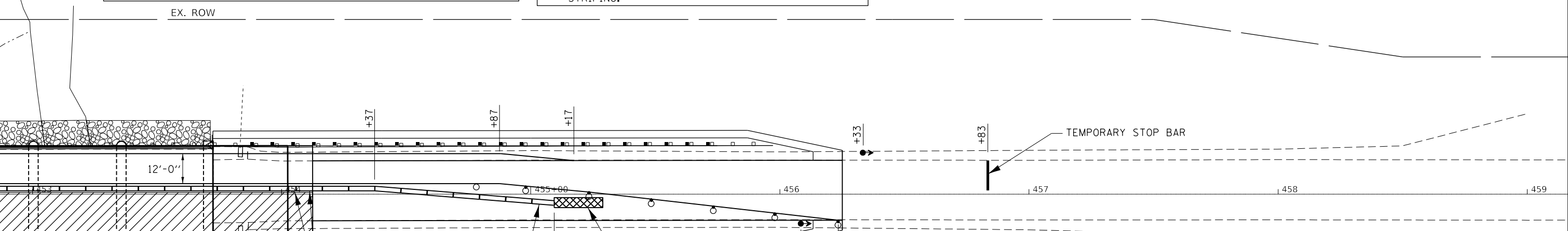


SUGGESTED STAGE II SEQUENCE OF OPERATIONS:

1. RELOCATE TEMPORARY CONCRETE BARRIERS, IMPACT ATTENUATORS, AND TRAFFIC CONTROL DEVICES AS REQUIRED.
2. CONSTRUCT THE STAGE 2 PORTION OF THE PROPOSED STRUCTURE, BRIDGE APPROACH, PAVEMENT CONNECTOR, AND RIP RAP.
3. CONSTRUCT THE REMAINING 4' OF THE HMA SHOULDER 10", EARTHWORK AND GUARDRAIL ON THE WEST SIDE.

SUGGESTED POST-STAGE SEQUENCE OF OPERATIONS:

1. REMOVE ALL TEMPORARY TRAFFIC BARRIERS AND CONTROL DEVICES.
2. SHIFT TRAFFIC AS NEEDED TO PERFORM MILLING AND CONSTRUCT HMA BINDER & SURFACE COURSE, HMA SHOULDERS, AGGREGATE SHOULDERS AND STRIPING.



SYMBOLS

- WORK AREA
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TRAFFIC SIGNAL
- IMPACT ATTENUATOR
- DRUM

NOTES

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR INFORMATION NOT SHOWN ON THIS SHEET

MODEL: Default
 FILE: h:\m\c\pub\barroom.dwg
 PROJECT: 74325
 CADD: DataCAD
 SHEETS: 74325-13
 DATE: 10/15/2019

USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/15/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

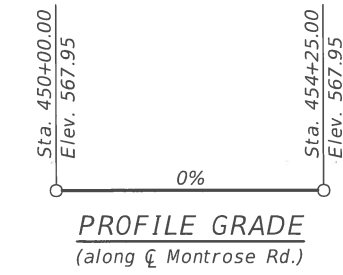
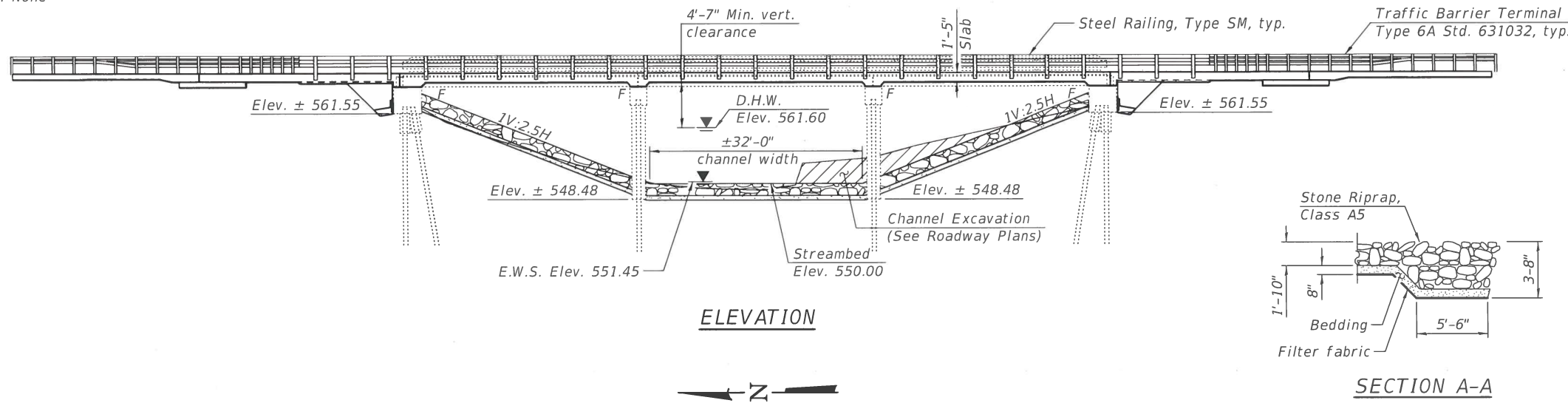
TRAFFIC CONTROL STAGING STAGE 2	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	13
CONTRACT NO. 74325			ILLINOIS FED. AID PROJECT	

Benchmark 252: Chiseled square on S.E. wingwall of Structure No. 018-0057, Sta. 453+70 18' Lt, Elev. 567.34

Existing Structure: S.N. 018-0057 Built in 1981 as F.A.P. Route 828, Section 12BR-1. The existing structure is a 3 span PPC deck beam superstructure with open pile bent abutments and solid wall encased pile bent piers supported on steel H-piles. Back-to-Back abutment length is 108'-11" and out-to-out width of deck is 36'-0". The superstructure is to be removed and replaced. Stage construction will be utilized to maintain traffic.

Salvage: None



SEISMIC DATA
 Seismic Performance Category (SPC) = A
 Horizontal Bedrock Acceleration Coefficient = 0.069g
 Site Coefficient = 1.0
 (Standard Bridge Importance)

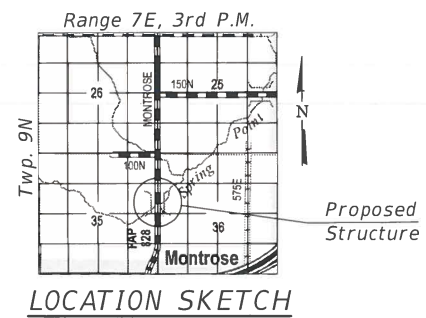
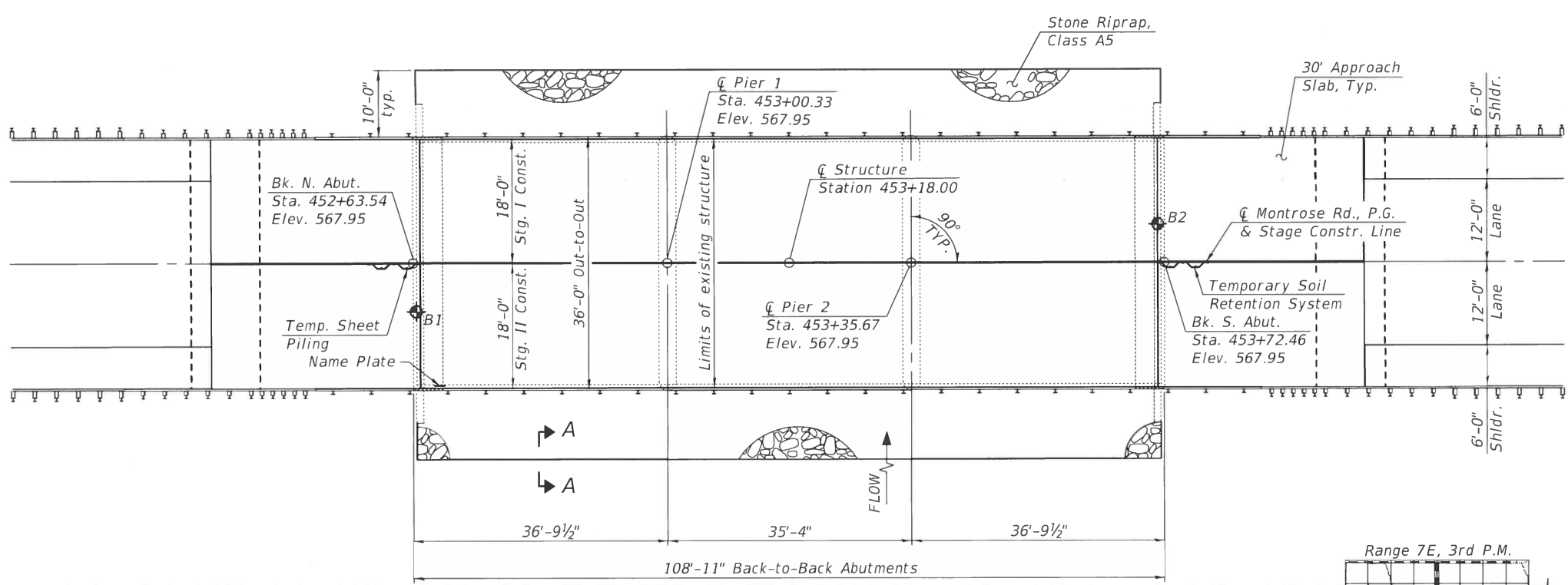
LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

NEW CONSTRUCTION
 $f'_c = 3,500$ psi
 $f'_c = 5,000$ psi (Superstructure and approach slab concrete)
 $f_y = 60,000$ psi (Reinforcement)

EXISTING CONSTRUCTION
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

DESIGN SPECIFICATIONS
 2017 AASHTO LRFD Bridge Design Specifications, 8th Edition
 1995 Seismic Retrofitting Manual for Highway Bridges



GENERAL PLAN & ELEVATION
MONTROSE RD. OVER SPRING POINT CREEK
F.A.P. 828 - SEC. (12BR-1)BR
CUMBERLAND COUNTY
STA. 453+18.00
STRUCTURE NO. 018-0057



EXPIRES 11-30-2020

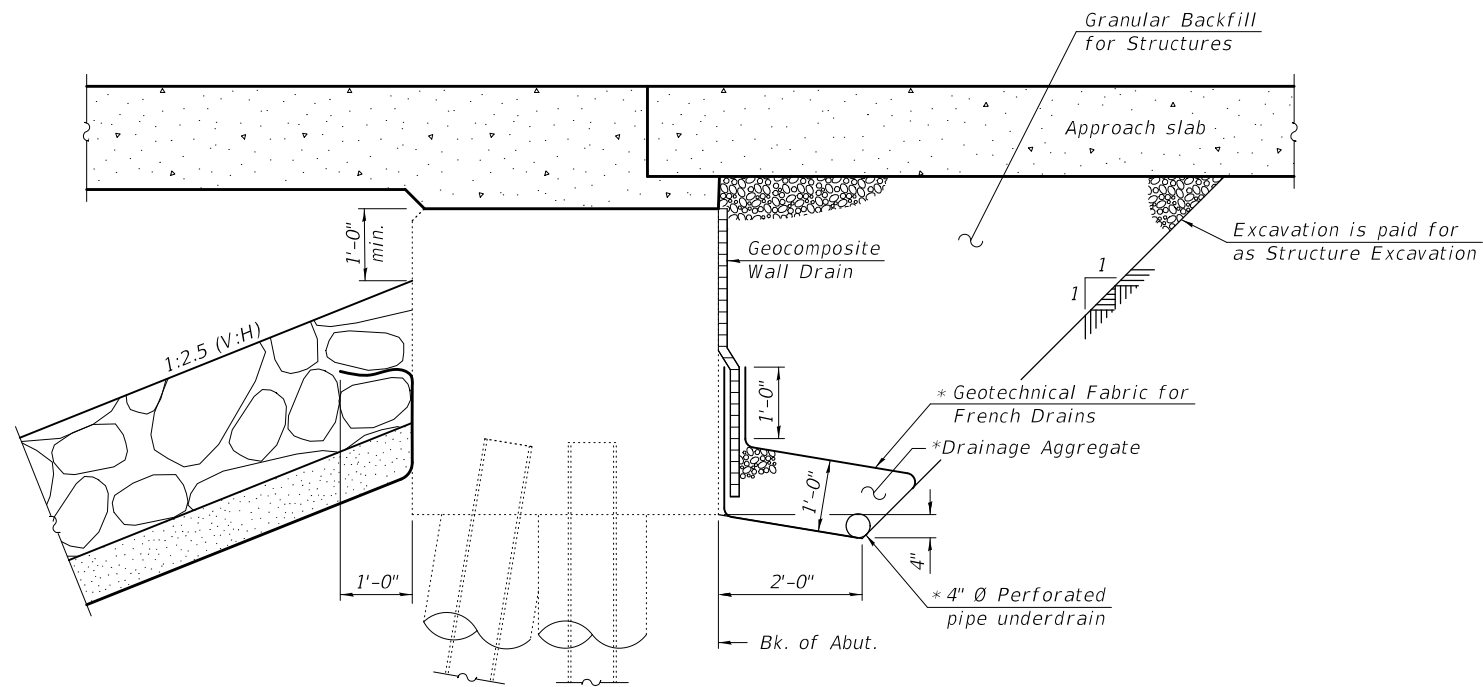
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DESIGNED - <i>David Carl Puzey</i>	EXAMINED - <i>Jay F. Latta</i>	DATE - 12-3-2019
CHECKED - <i>David Carl Puzey</i>	ENGINEER OF BRIDGE DESIGN	REVIS -
DRAWN - JACQUES ELLOYE	PASSED - <i>David Carl Puzey</i>	REVIS -
CHECKED - <i>BPF / PSJ</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVIS -

SHEET 1 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	14
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

MODEL: 0180057-74325-001
 FILE NAME: p:\w\planroom.dot; illinois.gov:\P\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn



SECTION THRU ABUTMENT

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

Note:

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

WATERWAY INFORMATION

Drainage Area = 15.8 sq. mi.		Existing Overtopping Elev. = 567.6@ Sta. 452+50 Proposed Overtopping Elev. = 567.95@ Sta. 452+50							
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Natural H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	4270	600	620	561.60	1.74	1.73	563.34	563.33
Base	100	4990	630	650	562.00	2.01	1.98	564.01	563.98
Scour Design Check	200	5710	670	690	562.38	2.26	2.23	564.64	564.61
Max. Calc.	500	6750	710	730	562.88	2.61	2.59	565.49	565.47

10 yr. velocity through existing bridge = 5.2 ft/s
10 yr. velocity through proposed bridge = 5.0 ft/s

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)					Item 113
	S. Abut.	Pier 1	Pier 2	N. Abut.	Item 113	
Q100	561.6	539.9	539.9	561.6		5
Q200	561.6	539.0	539.0	561.6		
Design	561.6	539.9	539.9	561.6		

INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - General Data
- 3 - Stage Construction Details
- 4 - Temporary Concrete Barrier
- 5-6 - Top of Slab Elevations
- 7-8 - Top of Approach Slab Elevations
- 9-10 - Superstructure
- 11-12 - Bridge Approach Slab Details
- 13 - Steel Railing Details
- 14 - 17 - Substructure Removal and Repairs
- 18 - Bar Splicer Assembly Details
- 19 - Soil Boring Logs

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
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.
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
The Concrete Superstructure shall be Class BS Concrete, except, when steel bridge rail is used in conjunction with Concrete Superstructure, the 14-day mix design shall be replaced by a 28-day mix design with a compressive strength of 5,000 psi and a design flexural strength of 800 psi prior to opening to traffic.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		663	663
Filter Fabric	Sq. Yd.		663	663
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		4.0	4.0
Structure Excavation	Cu. Yd.		108	108
Concrete Structures	Cu. Yd.		22.3	22.3
Concrete Superstructure	Cu. Yd.	216.3		216.3
Bridge Deck Grooving	Sq. Yd.	668		668
Protective Coat	Sq. Yd.	668		668
Concrete Superstructure (Approach Slab)	Cu. Yd.	101.1		101.1
Reinforcement Bars, Epoxy Coated	Pound	112,750	4,590	117,340
Bar Splicers	Each	555	80	635
Steel Railing, Type SM	Foot	274		274
Name Plates	Each	1		1
Temporary Sheet Piling	Sq. Ft.		83	83
Temporary Soil Retention System	Sq. Ft.		36	36
Granular Backfill for Structures	Cu. Yd.		78	78
Geocomposite Wall Drain	Sq. Yd.		49	49
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		331	331
Pipe Underdrains for Structures 4"	Foot		124	124

STATION 453+18.00
REBUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 828 - SEC. (12BR-1)BR
LOADING HL-93
STRUCTURE NO. 018-0057

NAME PLATE

See Std. 515001

Existing name plate shall be cleaned and relocated next to new name plate. Cost included with Name Plates.

MODEL: 0180057-74325-002
FILE NAME: pw:\planroom\dot.illinois.gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn
12/4/2019 1:28:37 PM

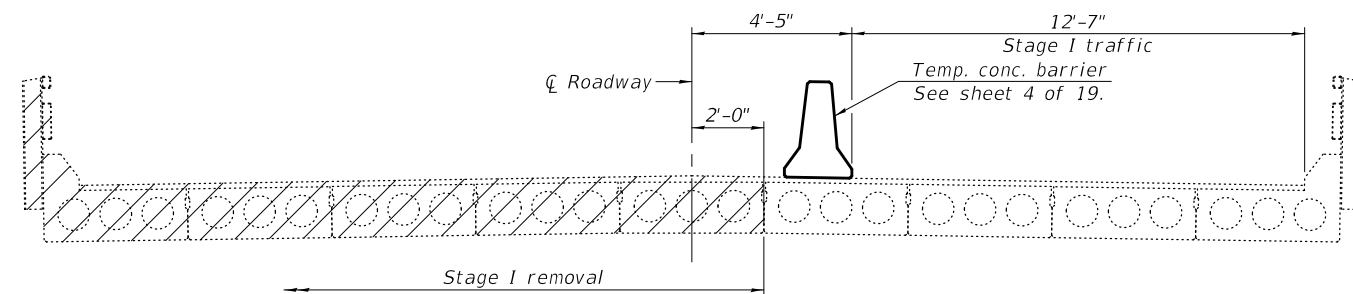
DESIGNED - BRENDA PAGAN-FIGUEROA	EXAMINED - <i>Joanne F. [Signature]</i>	DATE - DECEMBER 3, 2019
CHECKED - PAUL S. JOHNSON	PASSED - <i>Paul S. Johnson [Signature]</i>	REVISIONS -
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS -
CHECKED - B.P. / P.S.J.		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

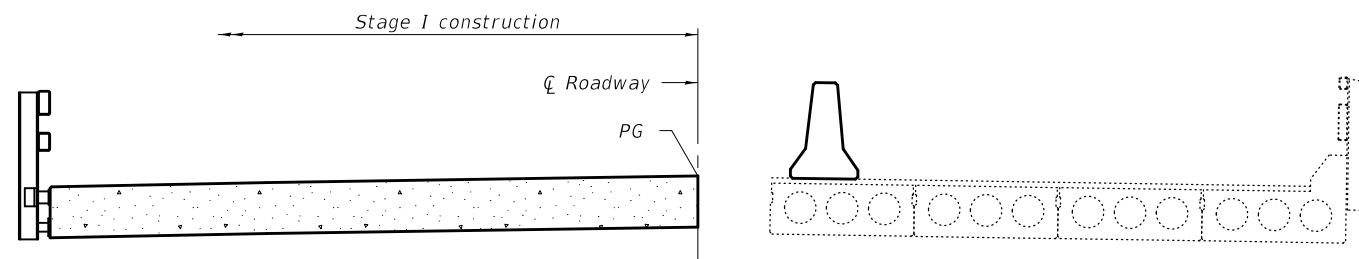
**GENERAL DATA
STRUCTURE NO. 018 - 0057**

SHEET 2 OF 19 SHEETS

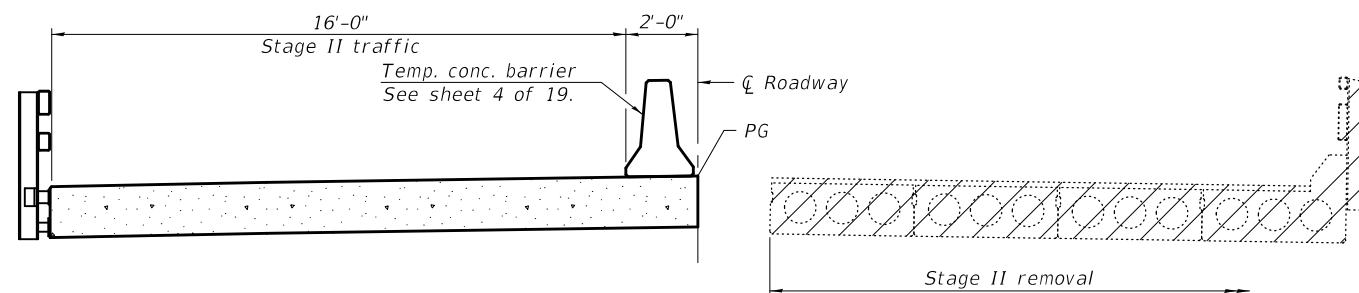
F.A.P. RTE. 828	SECTION (12BR-1)BR	COUNTY CUMBERLAND	TOTAL SHEETS 45	SHEET NO. 15
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				



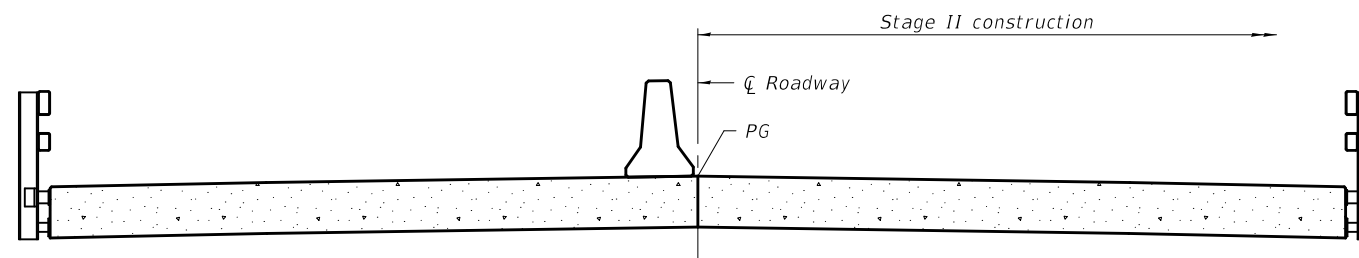
STAGE I REMOVAL



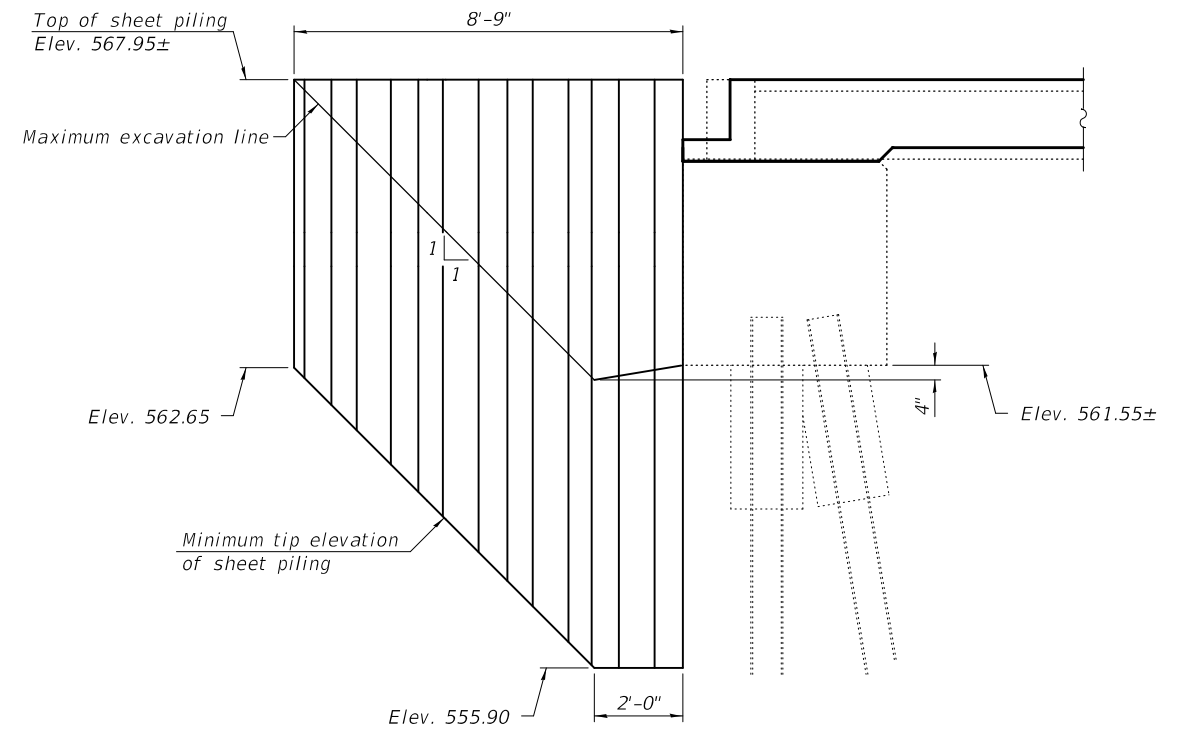
STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION



**TEMPORARY SHEET PILING
AT NORTH ABUTMENT**

Minimum section modulus = 2.4 in.³/ft.

Notes:

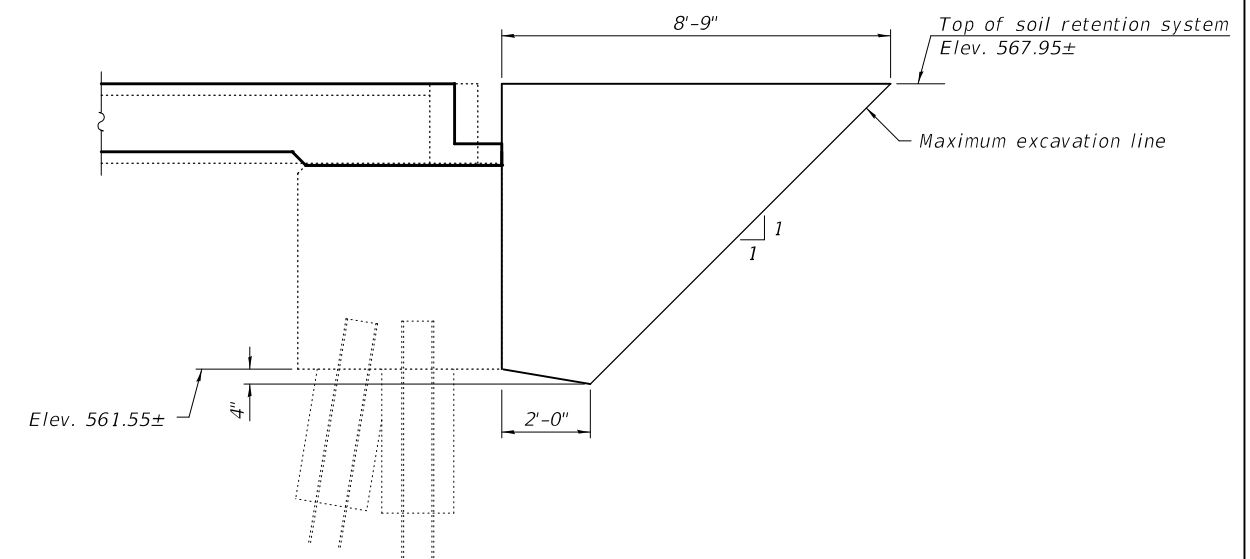
Hatched areas of deck cross sections indicate Removal of Existing Superstructures.

For quantity of temporary concrete barrier, see Roadway Plans.

All deck cross sections are taken looking South.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements at the north abutment as shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

A cantilevered sheet piling design does not appear feasible at the south abutment 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.



**TEMPORARY SOIL RETENTION SYSTEM
AT SOUTH ABUTMENT**

MODEL: 0180057-74325-003
FILE NAME: pw:\planroom\dot.illinois.gov\pww\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn
12/4/2019 1:28:38 PM

DESIGNED -	BRENDA PAGAN-FIGUEROA
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	B.P. / P.S.J.

EXAMINED	<i>Jaime F. Joffe</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Carl Kroyer</i> ENGINEER OF BRIDGES AND STRUCTURES

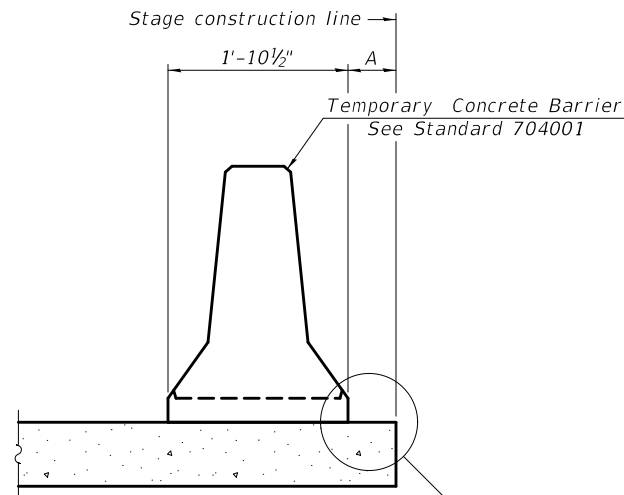
DATE -	DECEMBER 3, 2019
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 018 - 0057**

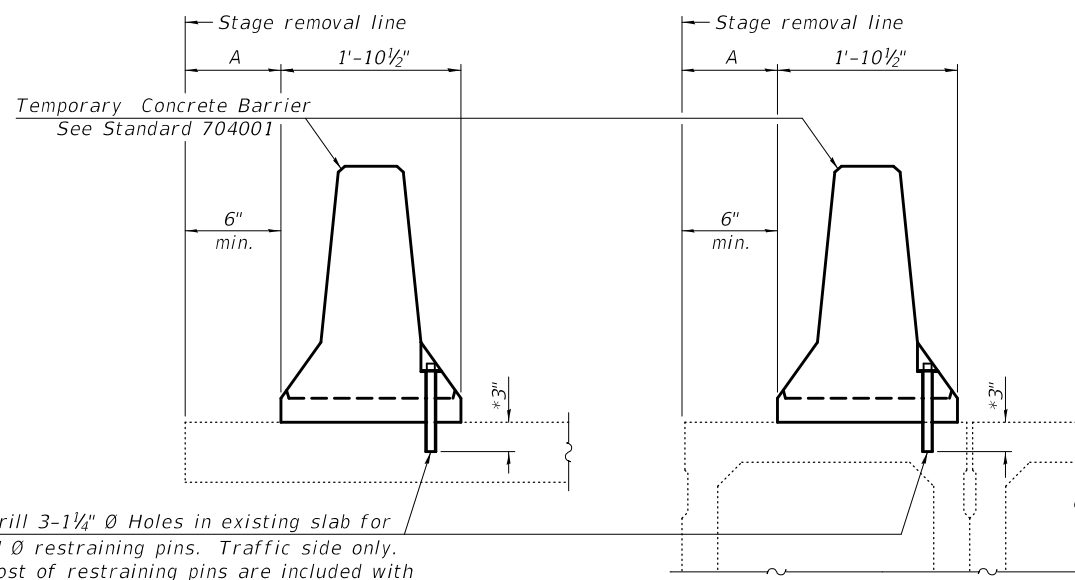
SHEET 3 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	16
CONTRACT NO. 74325				
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

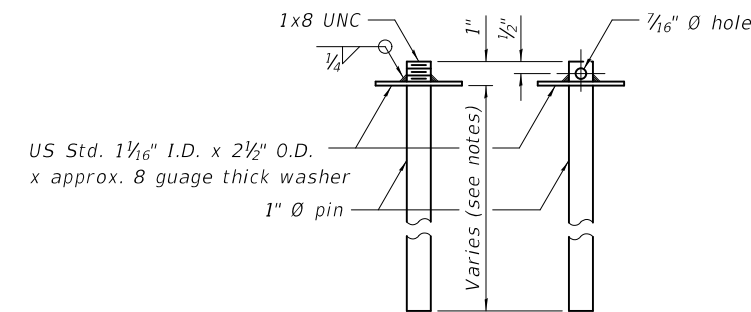


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

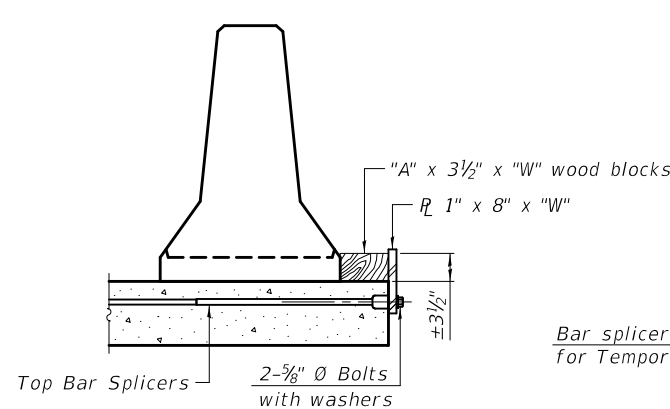
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

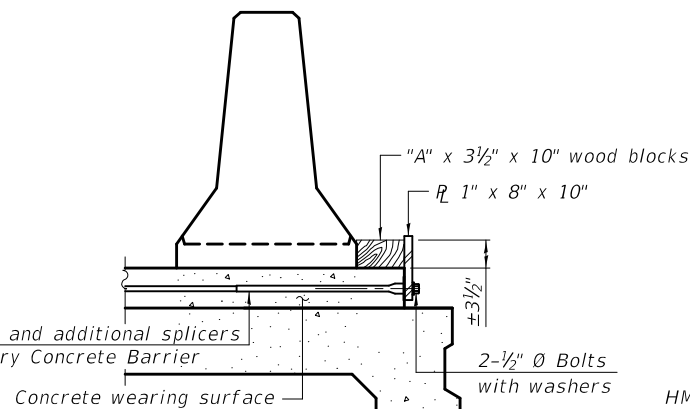


RESTRAINING PIN

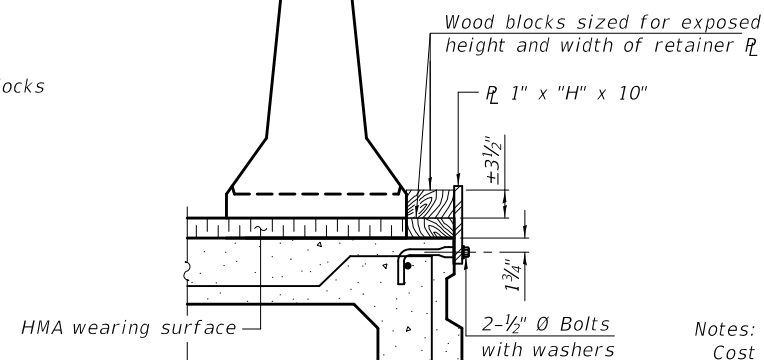
SECTIONS THRU SLAB OR DECK BEAM



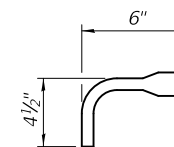
DETAIL I



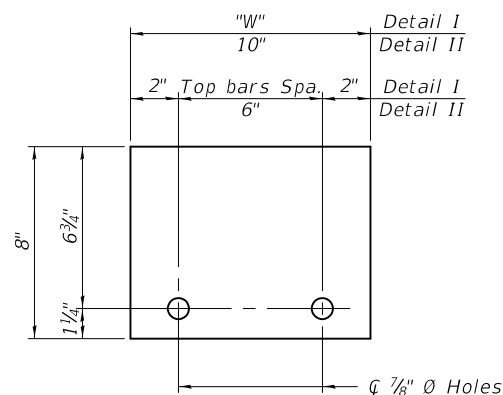
DETAIL II



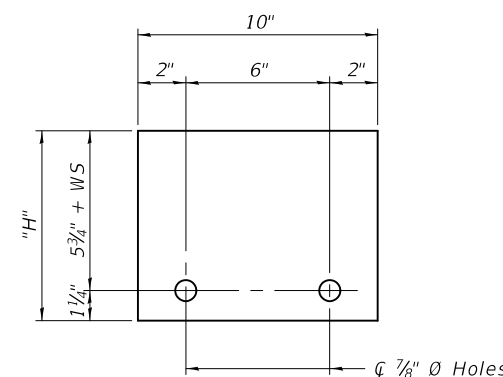
DETAIL III



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 \bar{c} of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

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

MODEL: 0180057-74325-004
 FILE NAME: pw:\planroom-dot-illinois.gov\pww\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD\Plans\0180057-74325.dgn

R-27 2-17-2017

DESIGNED -	BRENDA PAGAN-FIGUEROA
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	B.P. / P.S.J.

EXAMINED	<i>Joanne F. Joffe</i>	DATE -	DECEMBER 3, 2019
PASSED	<i>Carl Kroyer</i>	REVISED -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

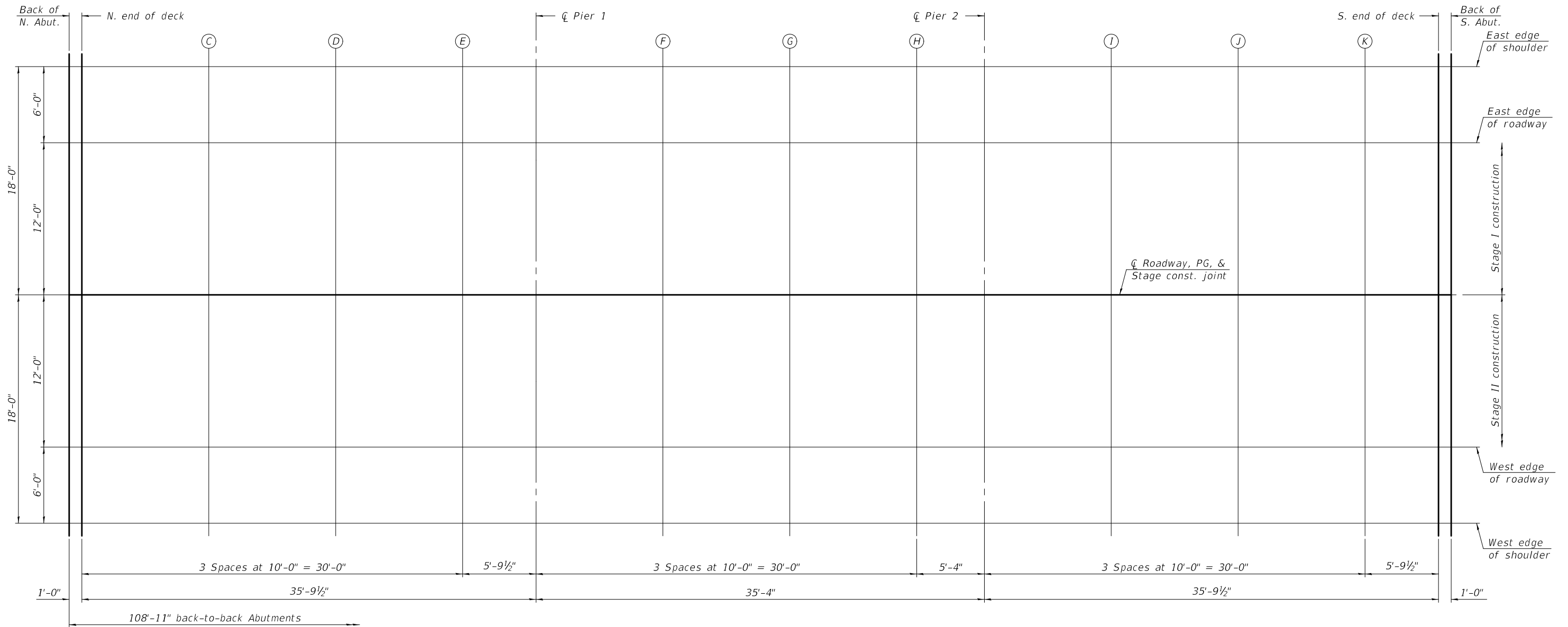
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
 STRUCTURE NO. 018 - 0057

SHEET 4 OF 19 SHEETS

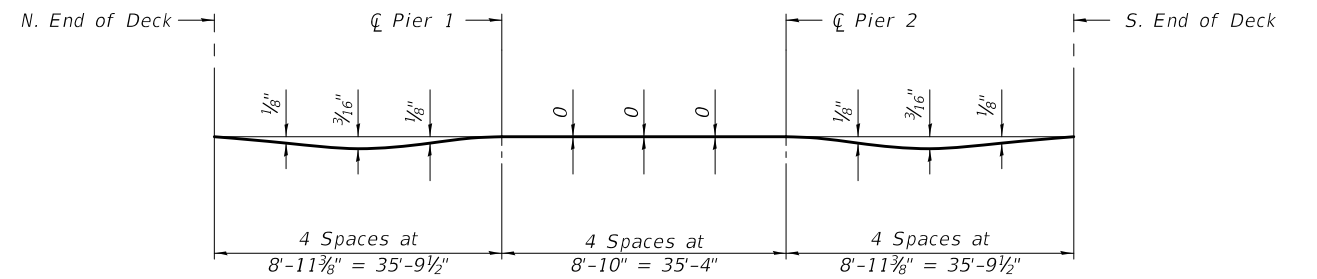
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	17
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

12/4/2019 1:28:38 PM

MODEL: 0180057-74325-005
 FILE NAME: pw:\planroom\dot.illinois.gov\pww\DOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0180057-74325.dgn



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 grade elevations adjusted for dead load deflections as shown on sheet 6 of 19.

DESIGNED - BRENDA PAGAN-FIGUEROA
 CHECKED - PAUL S. JOHNSON
 DRAWN - MICHAEL B. MOSSMAN
 CHECKED - B.P. / P.S.J.

EXAMINED
 PASSED

Joanne F. Joffe
 ENGINEER OF BRIDGE DESIGN
Carl Kruger
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 3, 2019

REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
 STRUCTURE NO. 018 - 0057

SHEET 5 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	18
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. end of deck	452+64.54	-18.00	567.65	567.65
C	452+74.54	-18.00	567.65	567.66
D	452+84.54	-18.00	567.65	567.66
E	452+94.54	-18.00	567.65	567.66
Q Pier 1	453+00.33	-18.00	567.65	567.65
F	453+10.33	-18.00	567.65	567.65
G	453+20.33	-18.00	567.65	567.65
H	453+30.33	-18.00	567.65	567.65
Q Pier 2	453+35.67	-18.00	567.65	567.65
I	453+45.67	-18.00	567.65	567.66
J	453+55.67	-18.00	567.65	567.66
K	453+65.67	-18.00	567.65	567.66
S. end of deck	453+71.46	-18.00	567.65	567.65

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. end of deck	452+64.54	-12.00	567.77	567.77
C	452+74.54	-12.00	567.77	567.78
D	452+84.54	-12.00	567.77	567.78
E	452+94.54	-12.00	567.77	567.78
Q Pier 1	453+00.33	-12.00	567.77	567.77
F	453+10.33	-12.00	567.77	567.77
G	453+20.33	-12.00	567.77	567.77
H	453+30.33	-12.00	567.77	567.77
Q Pier 2	453+35.67	-12.00	567.77	567.77
I	453+45.67	-12.00	567.77	567.78
J	453+55.67	-12.00	567.77	567.78
K	453+65.67	-12.00	567.77	567.78
S. end of deck	453+71.46	-12.00	567.77	567.77

Q ROADWAY, PG, & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. end of deck	452+64.54	0.00	567.95	567.95
C	452+74.54	0.00	567.95	567.96
D	452+84.54	0.00	567.95	567.96
E	452+94.54	0.00	567.95	567.96
Q Pier 1	453+00.33	0.00	567.95	567.95
F	453+10.33	0.00	567.95	567.95
G	453+20.33	0.00	567.95	567.95
H	453+30.33	0.00	567.95	567.95
Q Pier 2	453+35.67	0.00	567.95	567.95
I	453+45.67	0.00	567.95	567.96
J	453+55.67	0.00	567.95	567.96
K	453+65.67	0.00	567.95	567.96
S. end of deck	453+71.46	0.00	567.95	567.95

WEST EDGE OF ROADWAY

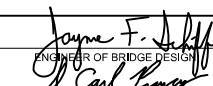
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. end of deck	452+64.54	12.00	567.77	567.77
C	452+74.54	12.00	567.77	567.78
D	452+84.54	12.00	567.77	567.78
E	452+94.54	12.00	567.77	567.78
Q Pier 1	453+00.33	12.00	567.77	567.77
F	453+10.33	12.00	567.77	567.77
G	453+20.33	12.00	567.77	567.77
H	453+30.33	12.00	567.77	567.77
Q Pier 2	453+35.67	12.00	567.77	567.77
I	453+45.67	12.00	567.77	567.78
J	453+55.67	12.00	567.77	567.78
K	453+65.67	12.00	567.77	567.78
S. end of deck	453+71.46	12.00	567.77	567.77

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. end of deck	452+64.54	18.00	567.65	567.65
C	452+74.54	18.00	567.65	567.66
D	452+84.54	18.00	567.65	567.66
E	452+94.54	18.00	567.65	567.66
Q Pier 1	453+00.33	18.00	567.65	567.65
F	453+10.33	18.00	567.65	567.65
G	453+20.33	18.00	567.65	567.65
H	453+30.33	18.00	567.65	567.65
Q Pier 2	453+35.67	18.00	567.65	567.65
I	453+45.67	18.00	567.65	567.66
J	453+55.67	18.00	567.65	567.66
K	453+65.67	18.00	567.65	567.66
S. end of deck	453+71.46	18.00	567.65	567.65

MODEL: 0180057-74325-006
FILE NAME: p:\planroom\dot.illinois.gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED - BRENDA PAGAN-FIGUEROA
CHECKED - PAUL S. JOHNSON
DRAWN - MICHAEL B. MOSSMAN
CHECKED - B.P./P.S.J.

EXAMINED
PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 3, 2019
REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 018 - 0057

SHEET 6 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	19
CONTRACT NO. 74325				
ILLINOIS		FED. AID PROJECT		

EAST EDGE OF SHOULDER

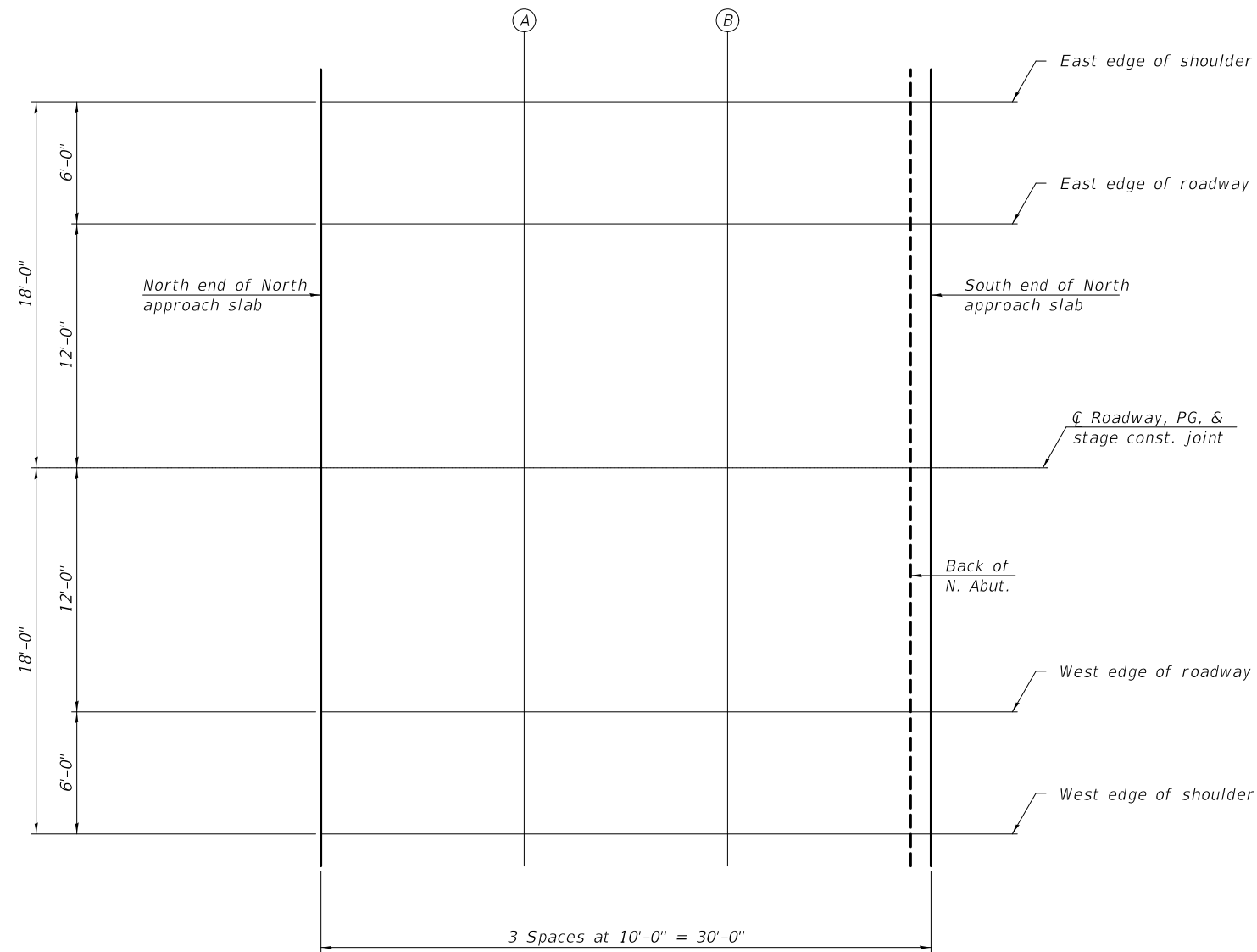
Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	452+34.54	-18.00	567.65
A	452+44.54	-18.00	567.65
B	452+54.54	-18.00	567.65
S. End of N. Appr. Slab	452+64.54	-18.00	567.65

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	452+34.54	-12.00	567.77
A	452+44.54	-12.00	567.77
B	452+54.54	-12.00	567.77
S. End of N. Appr. Slab	452+64.54	-12.00	567.77

∅ ROADWAY, PG, & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	452+34.54	0.00	567.95
A	452+44.54	0.00	567.95
B	452+54.54	0.00	567.95
S. End of N. Appr. Slab	452+64.54	0.00	567.95



PLAN

WEST EDGE OF ROADWAY

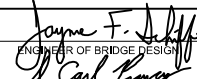

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	452+34.54	12.00	567.77
A	452+44.54	12.00	567.77
B	452+54.54	12.00	567.77
S. End of N. Appr. Slab	452+64.54	12.00	567.77

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	452+34.54	18.00	567.65
A	452+44.54	18.00	567.65
B	452+54.54	18.00	567.65
S. End of N. Appr. Slab	452+64.54	18.00	567.65

MODEL: 0180057-74325-007
FILE NAME: pw:\planroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED -	BRENDA PAGAN-FIGUEROA
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	B.P. / P.S.J.

EXAMINED	
PASSED	

DATE -	DECEMBER 3, 2019
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 018 - 0057**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	20
CONTRACT NO. 74325				
ILLINOIS		FED.AID PROJECT		

EAST EDGE OF SHOULDER

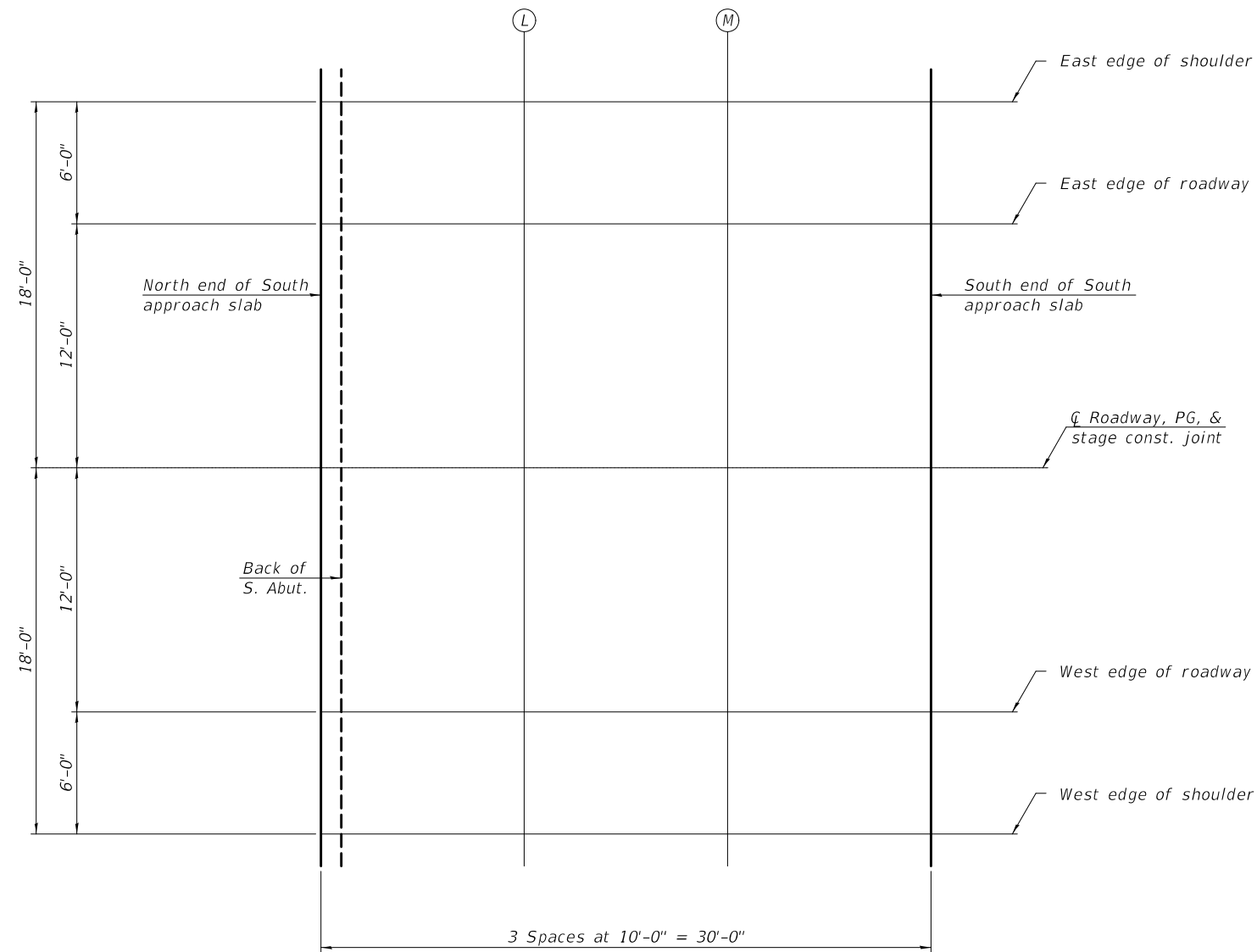
Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	453+71.46	-18.00	567.65
L	453+81.46	-18.00	567.65
M	453+91.46	-18.00	567.65
S. End of S. Appr. Slab	454+01.46	-18.00	567.65

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	453+71.46	-12.00	567.77
L	453+81.46	-12.00	567.77
M	453+91.46	-12.00	567.77
S. End of S. Appr. Slab	454+01.46	-12.00	567.77

☐ ROADWAY, PG, & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	453+71.46	0.00	567.95
L	453+81.46	0.00	567.95
M	453+91.46	0.00	567.95
S. End of S. Appr. Slab	454+01.46	0.00	567.95



PLAN

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	453+71.46	12.00	567.77
L	453+81.46	12.00	567.77
M	453+91.46	12.00	567.77
S. End of S. Appr. Slab	454+01.46	12.00	567.77

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	453+71.46	18.00	567.65
L	453+81.46	18.00	567.65
M	453+91.46	18.00	567.65
S. End of S. Appr. Slab	454+01.46	18.00	567.65

MODEL: 0180057-74325-008
FILE NAME: p:\v\planroom\dot.illinois.gov\p\w\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED -	BRENDA PAGAN-FIGUEROA
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	B.P. / P.S.J.

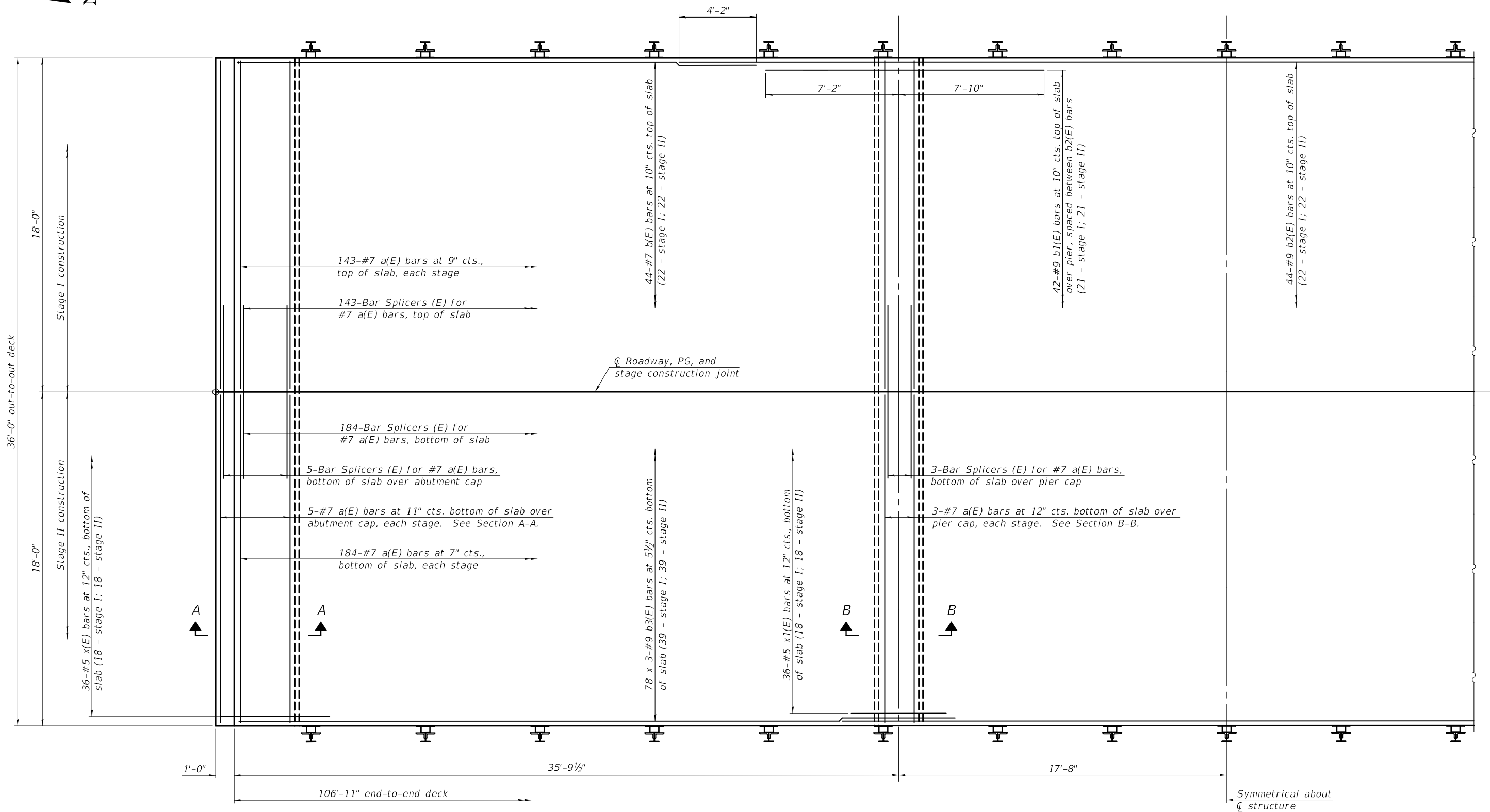
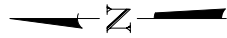
EXAMINED	<i>Joanne F. Joffe</i>
PASSED	<i>Carl Kasper</i>
	ENGINEER OF BRIDGES AND STRUCTURES

DATE -	DECEMBER 3, 2019
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 018 - 0057**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	21
CONTRACT NO. 74325				
SHEET 8 OF 19 SHEETS		ILLINOIS FED.AID PROJECT		



MINIMUM BAR LAP

#7 bar = 4'-2"
#9 bar = 6'-6"

PLAN

Notes:
See sheet 10 of 19 for superstructure details and Bill of Material.
Bars indicated thus 78 x 3-#9 etc. indicates 78 lines of bars with 3 lengths per line.

MODEL: 0180057-74325-009
FILE NAME: pw:\planroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED -	BRENDA PAGAN-FIGUEROA
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	B.P. / P.S.J.

EXAMINED	 ENGINEER OF BRIDGE DESIGN	DATE -	DECEMBER 3, 2019
PASSED		 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

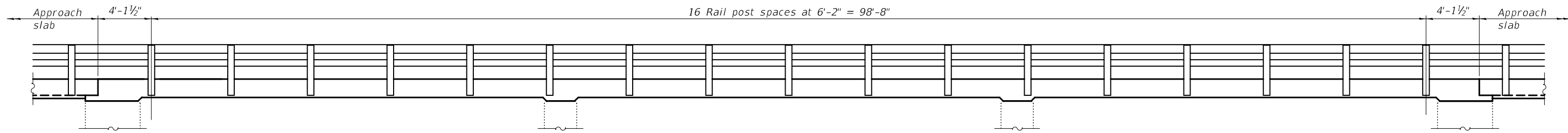
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
STRUCTURE NO. 018 - 0057**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	22
CONTRACT NO. 74325				

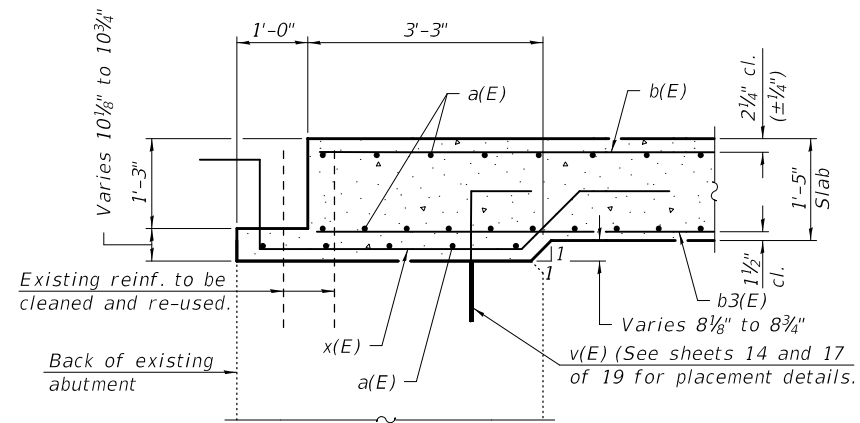
SHEET 9 OF 19 SHEETS

ILLINOIS FED. AID PROJECT

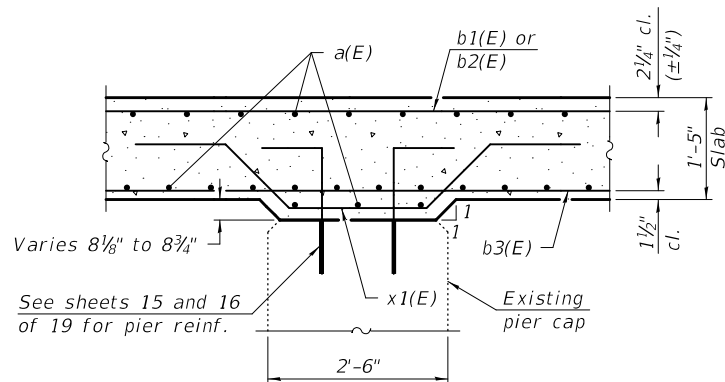


RAIL POST SPACING

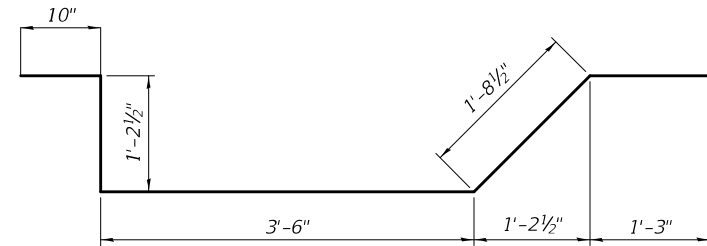
Note:
See sheet 12 of 19 for rail post spacing on approach slabs.
See sheet 13 of 19 for Steel Railing, Type SM details.



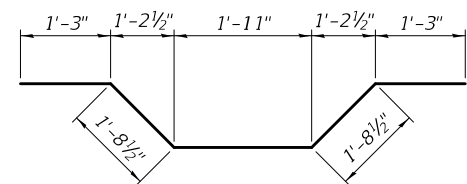
SECTION A-A



SECTION B-B



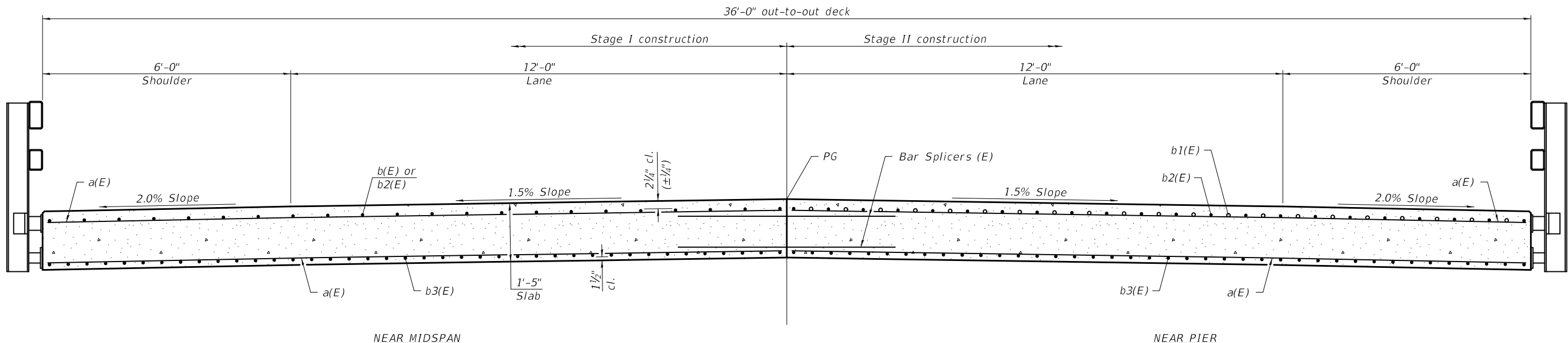
BAR x(E)



BAR x1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	686	#7	17'-9"	—
b(E)	88	#7	28'-3"	—
b1(E)	84	#9	15'-0"	—
b2(E)	44	#9	59'-0"	—
b3(E)	234	#9	40'-0"	—
x(E)	72	#5	8'-6"	⌒
x1(E)	72	#5	7'-10"	⌒
Concrete Superstructure			Cu. Yd.	216.3
Reinforcement Bars, Epoxy Coated			Pound	76,140



CROSS SECTION
(Looking South)

MODEL: 0180057-74325-010
FILE NAME: pw:\planroom\dot.illinois.gov\pww\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED - BRENDA PAGAN-FIGUEROA
CHECKED - PAUL S. JOHNSON
DRAWN - MICHAEL B. MOSSMAN
CHECKED - B.P. / P.S.J.

EXAMINED
PASSED
Joanne F. Joffe
ENGINEER OF BRIDGE DESIGN
Carl Kasper
ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 3, 2019
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

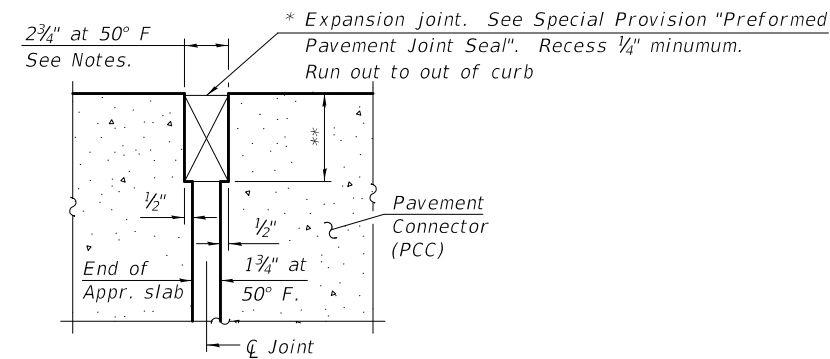
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 018 - 0057

SHEET 10 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	23
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

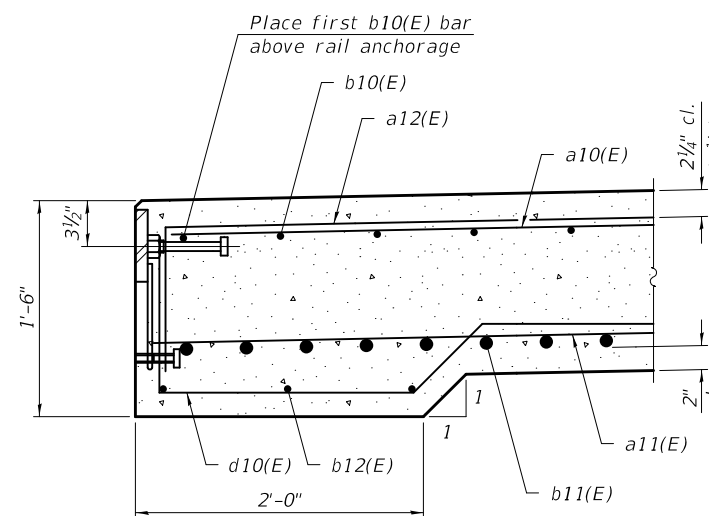
Point	North Approach		South Approach	
	Top	Bottom	Top	Bottom
A	566.40	565.57	566.40	565.57
B	566.70	565.87	566.70	565.87
C	566.40	565.57	566.40	565.57
D	566.40	565.57	566.40	565.57
E	566.70	565.87	566.70	565.87
F	566.40	565.57	566.40	565.57



DETAIL A

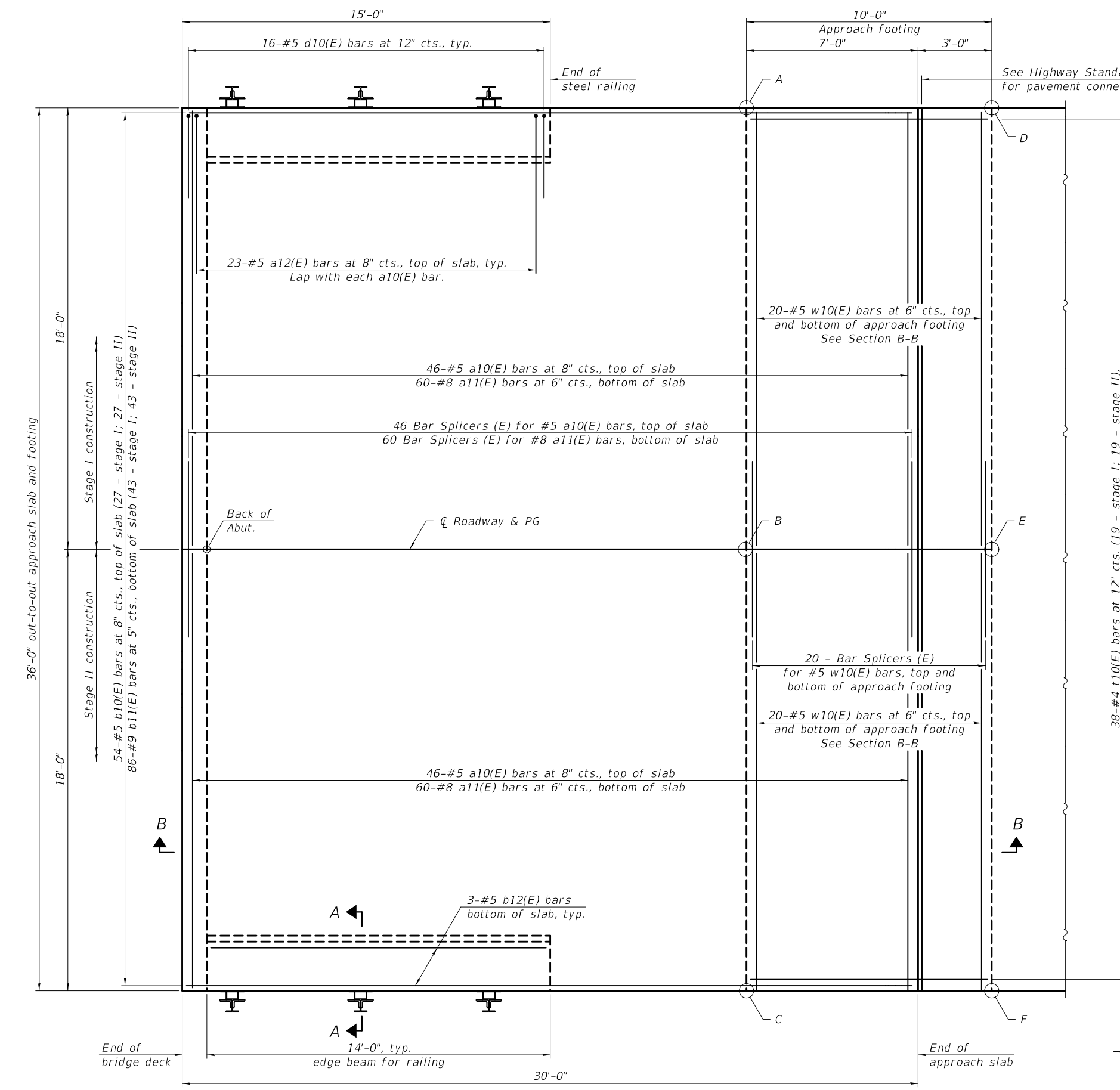
* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations



SECTION A-A

(Sheet 1 of 2)



PLAN

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

MODEL: 0180057-74325-011
FILE NAME: pw:\planroom\dot\illinois\gov\p\w\dot\Documents\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED -	BRENDA PAGAN-FIGUEROA
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	B.P. / P.S.J.

EXAMINED	<i>Joanne F. DeLuca</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Carl Kasper</i> ENGINEER OF BRIDGES AND STRUCTURES

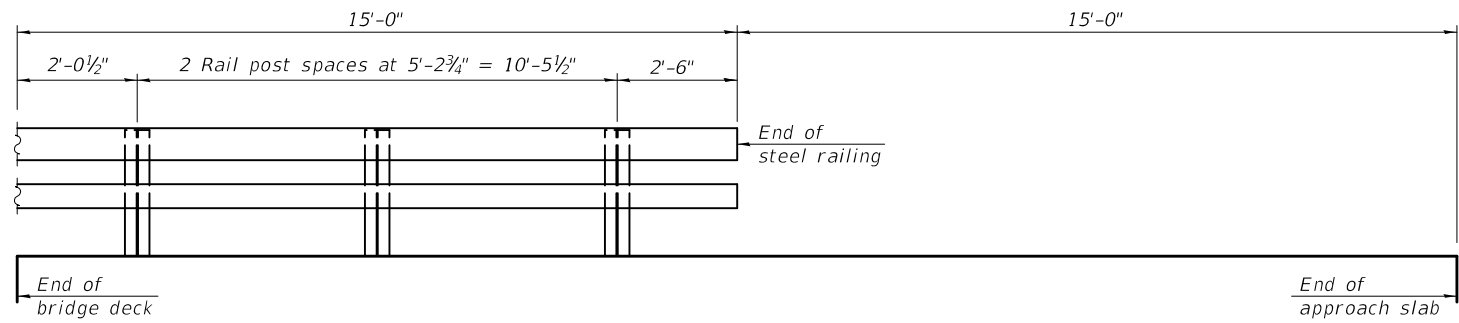
DATE -	DECEMBER 3, 2019
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

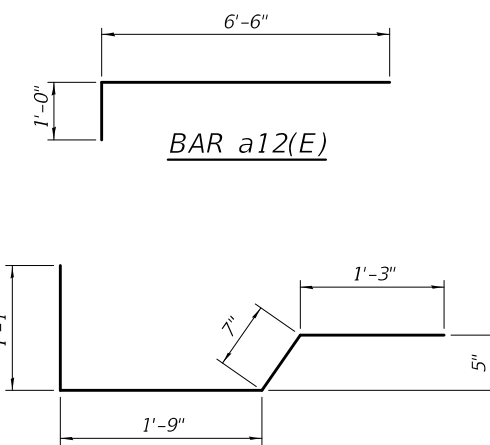
**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 018 - 0057**

SHEET 11 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	24
CONTRACT NO. 74325				
ILLINOIS		FED. AID PROJECT		



INSIDE ELEVATION OF RAILING



BAR a12(E)

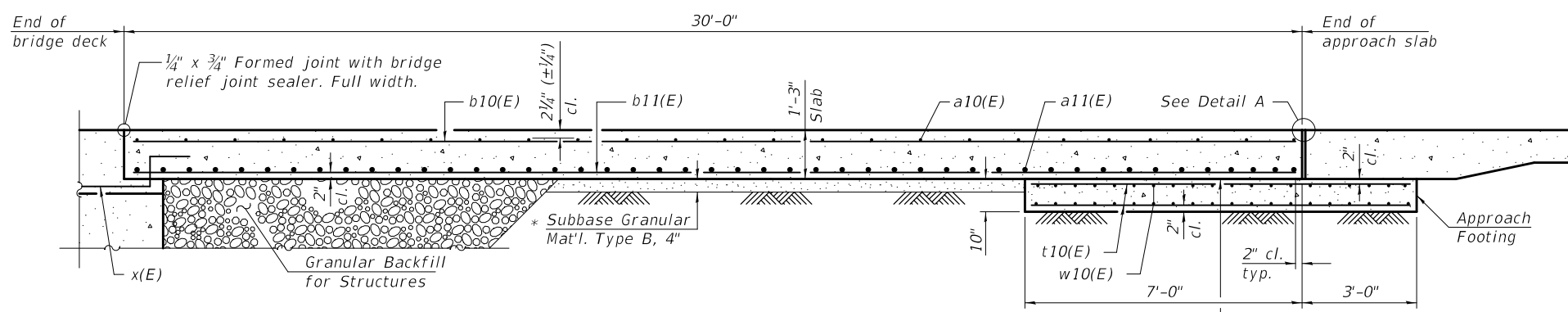
BAR d10(E)

Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 19.
 For railing details, see sheet 13 of 19.

TWO APPROACHES
 BILL OF MATERIAL

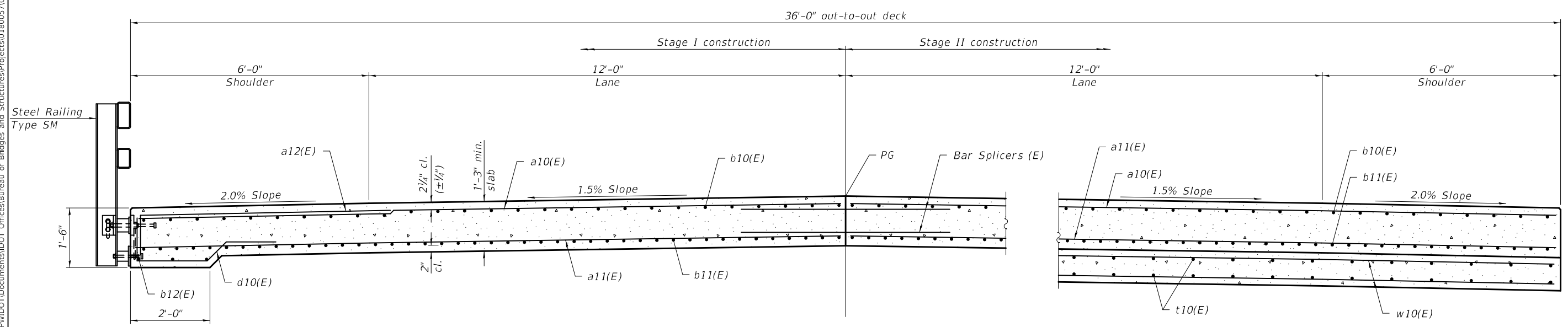
Bar	No.	Size	Length	Shape
a10(E)	184	#5	17'-8"	—
a11(E)	240	#8	17'-8"	—
a12(E)	92	#5	7'-6"	—
b10(E)	108	#5	29'-8"	—
b11(E)	172	#9	29'-8"	—
b12(E)	12	#5	13'-8"	—
d10(E)	64	#5	4'-8"	└
t10(E)	152	#4	9'-8"	—
w10(E)	160	#5	17'-8"	—
Concrete Superstructure (Approach Slab)		Cu. Yd.	101.1	
Concrete Structures		Cu. Yd.	22.3	
Reinforcement Bars, Epoxy Coated		Pound	40,540	

* Cost included with Concrete Superstructure (Approach Slab).



SECTION B-B

* 10 mil. Polyethylene bond breaker on steel trowel finish



NEAR ABUTMENT

CROSS SECTION
 (Looking South)

AT APPROACH FOOTING

(Sheet 2 of 2)

MODEL: 0180057-74325-012
 FILE NAME: pw:\planroom\dtd\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED - BRENDA PAGAN-FIGUEROA	EXAMINED - <i>Jaime F. J. [Signature]</i>	DATE - DECEMBER 3, 2019
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl [Signature]</i>	REVISER -
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -
CHECKED - B.P./P.S.J.		

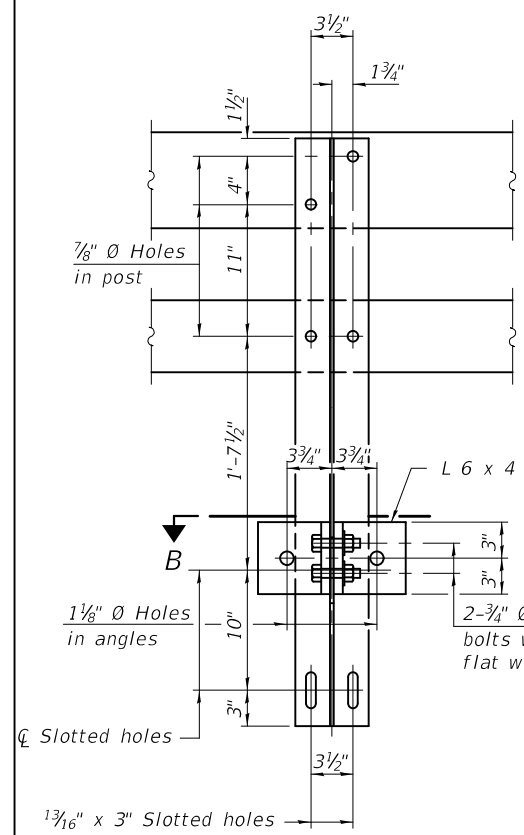
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 018 - 0057

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	25
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

SHEET 12 OF 19 SHEETS

MODEL: 0180057-74325-013
 FILE NAME: pw:\planroom\dot.illinois.gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057-74325.dgn
 12/4/2019 1:28:41 PM



SECTION A-A

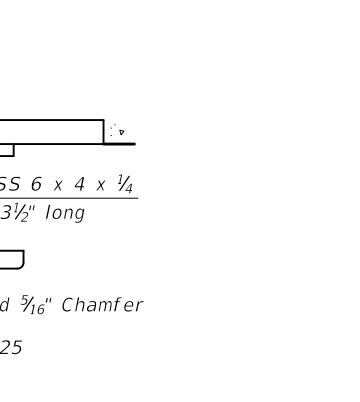
4-3/4" Ø x 6" Round Head Bolts with locknut & flat washer.
 7/8" Ø holes in hollow structural section may be drilled in the field.

2-3/4" Ø x 3 1/4" H.S. bolts with hex nut & flat washers
 2-1" Ø x 7 3/4" AASHTO M-164 anchor bolts with flat washer and lockwasher
 2-5/8" Ø x 5 1/2" cap screws with flat washer

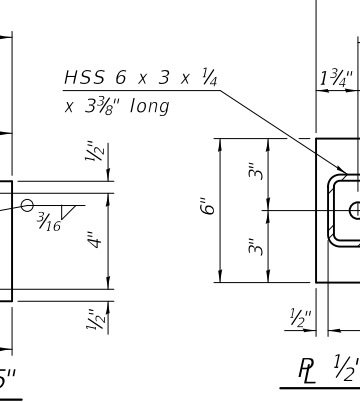
1 1/8" Ø Holes in angles
 1 1/8" Ø Holes in post
 3/16" x 3" Slotted holes

1 1/8" Ø Holes in angles and plate
 3 3/4" x 3 3/4"

SECTION B-B



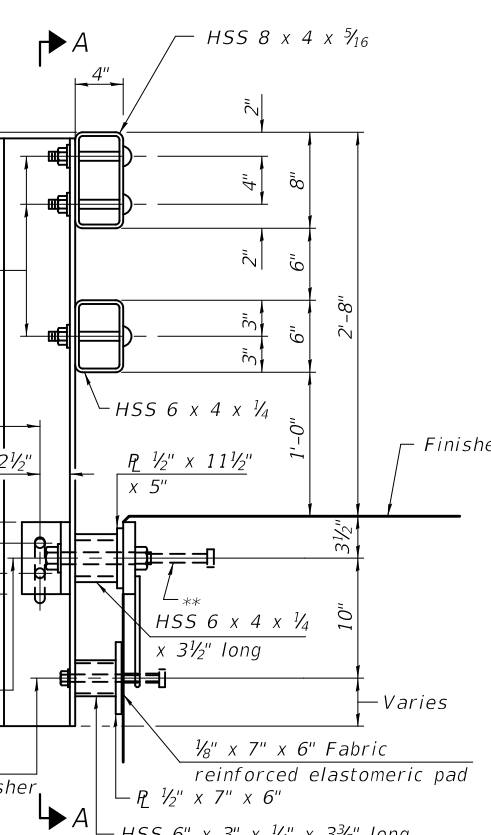
SECTION B-B



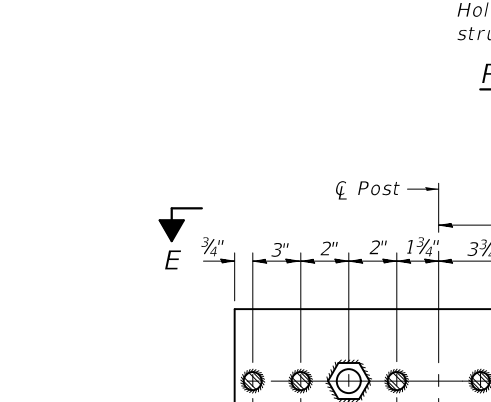
SECTION C-C

(6'-3" Maximum Post Spacing)

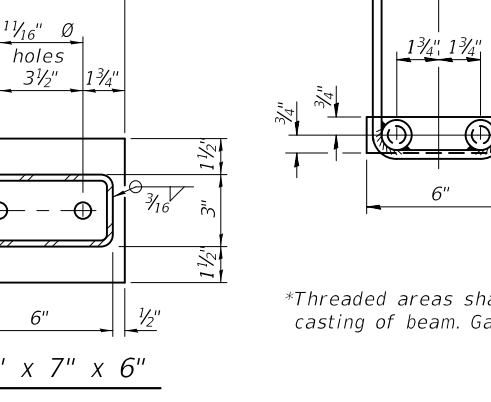
DESIGNED - BRENDA PAGAN-FIGUEROA
 CHECKED - PAUL S. JOHNSON
 DRAWN - MICHAEL B. MOSSMAN
 CHECKED - B.P. / P.S.J.



SECTION AT RAIL POST



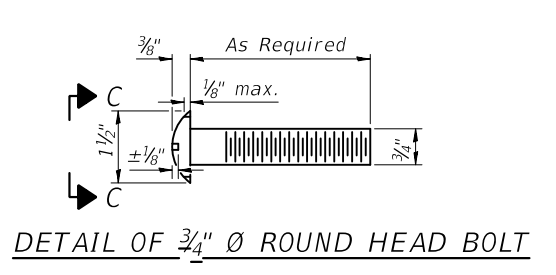
SECTION AT RAIL SPLICE



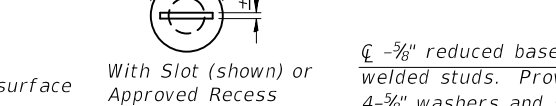
SECTION AT RAIL SPLICE

(6'-3" Maximum Post Spacing)

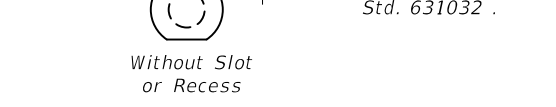
DESIGNED - BRENDA PAGAN-FIGUEROA
 CHECKED - PAUL S. JOHNSON
 DRAWN - MICHAEL B. MOSSMAN
 CHECKED - B.P. / P.S.J.



DETAIL OF 3/4" Ø ROUND HEAD BOLT



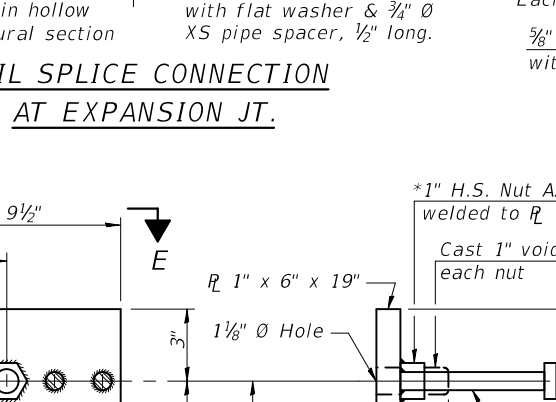
VIEW C-C



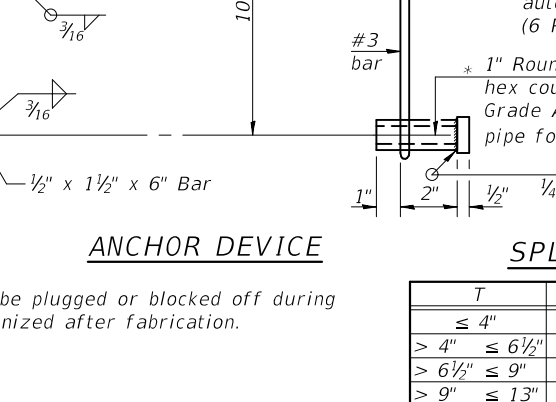
VIEW D-D



RAIL SPLICE CONNECTION AT EXPANSION JT.



ANCHOR DEVICE

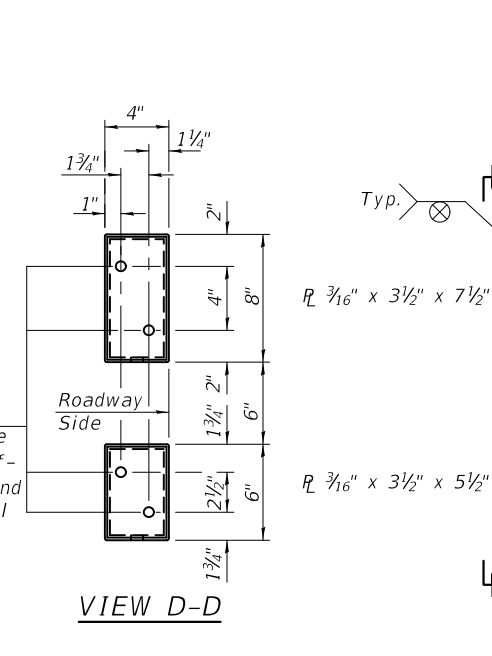


SPLICE DIMENSIONS

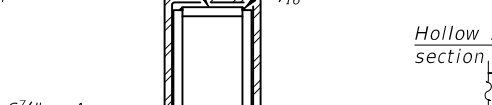
*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	—

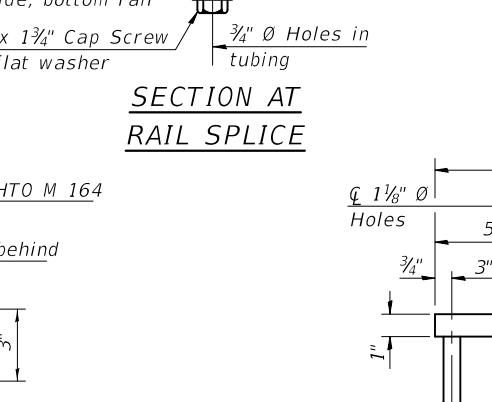
T = Total movement at expansion joint as shown on the design plans.



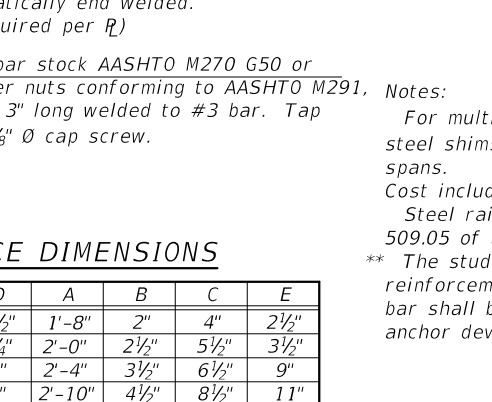
VIEW D-D



SECTION AT RAIL SPLICE



PLAN-BOTT. SPLICE R TYPICAL

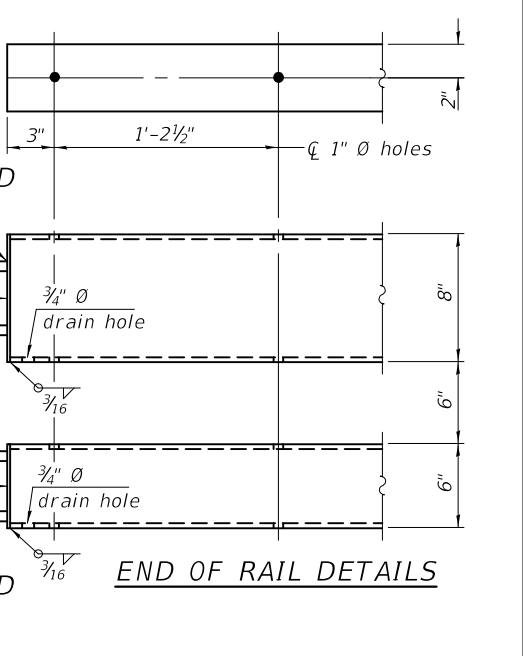


VIEW E-E

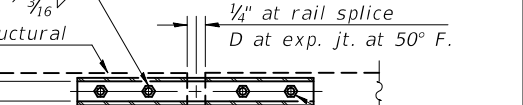
Notes:
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 ** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

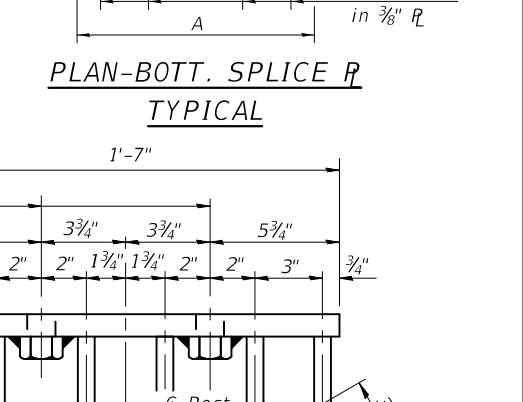
Item	Unit	Quantity
Steel Railing, Type SM	Foot	274



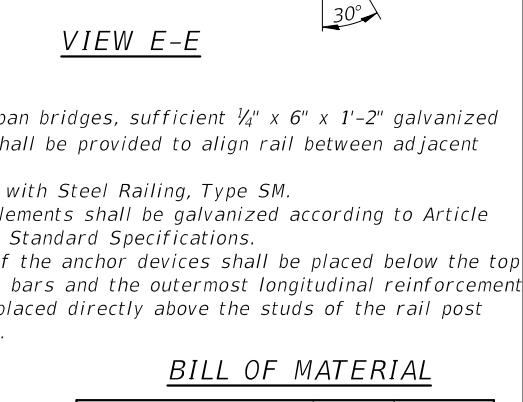
VIEW E-E



SECTION AT RAIL SPLICE



PLAN-BOTT. SPLICE R TYPICAL



VIEW E-E

Notes:
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 ** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

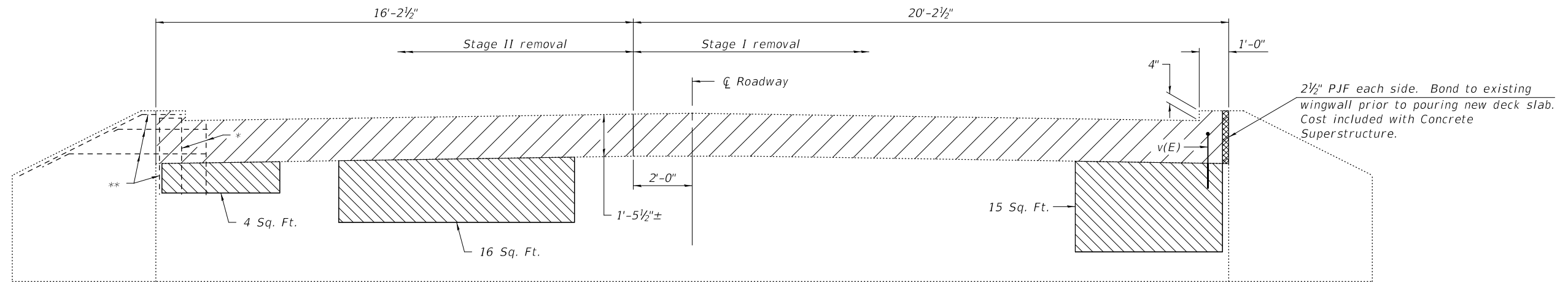
Item	Unit	Quantity
Steel Railing, Type SM	Foot	274

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE SM
 STRUCTURE NO. 018 - 0057
 SHEET 13 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	26

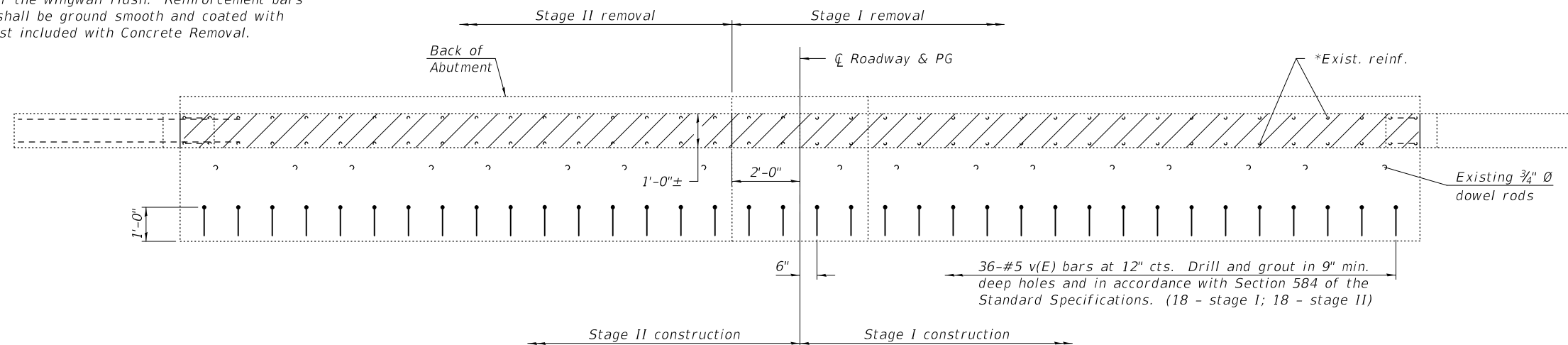
CONTRACT NO. 74325
 ILLINOIS FED. AID PROJECT



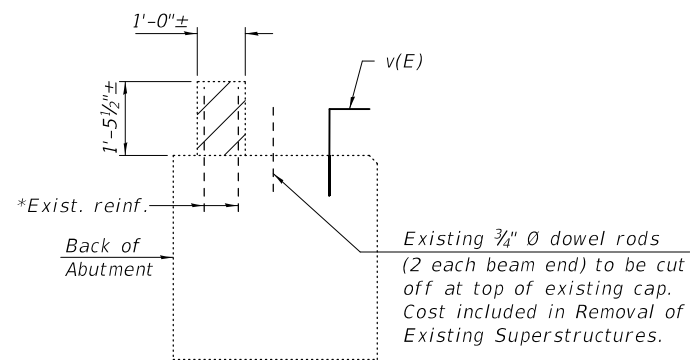
ELEVATION

* Existing reinforcement shall be cleaned and incorporated into new construction. Cost included in Concrete Removal.

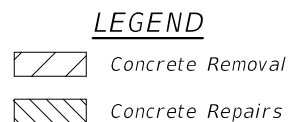
** Cut existing horizontal reinforcement flush with wingwall. Cut existing vertical reinforcement within 4" of the wingwall flush. Reinforcement bars cut flush shall be ground smooth and coated with epoxy. Cost included with Concrete Removal.



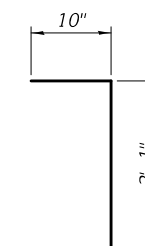
PLAN



SECTION THRU ABUTMENT



LEGEND



BAR v(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
v(E)	36	#5	2'-11"	Γ
Concrete Removal			Cu. Yd.	2.0
Reinforcement Bars, Epoxy Coated			Pound	110
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)			Sq. Ft.	35

MODEL: 0180057-74325-014
FILE NAME: pw:\planroom\dot\illinois.gov\pww\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057-74325.dgn

DESIGNED - BRENDA PAGAN-FIGUEROA
CHECKED - PAUL S. JOHNSON
DRAWN - MICHAEL B. MOSSMAN
CHECKED - B.P. / P.S.J.

EXAMINED
PASSED
Jaime F. Salas
ENGINEER OF BRIDGE DESIGN
Carl Berger
ENGINEER OF BRIDGES AND STRUCTURES

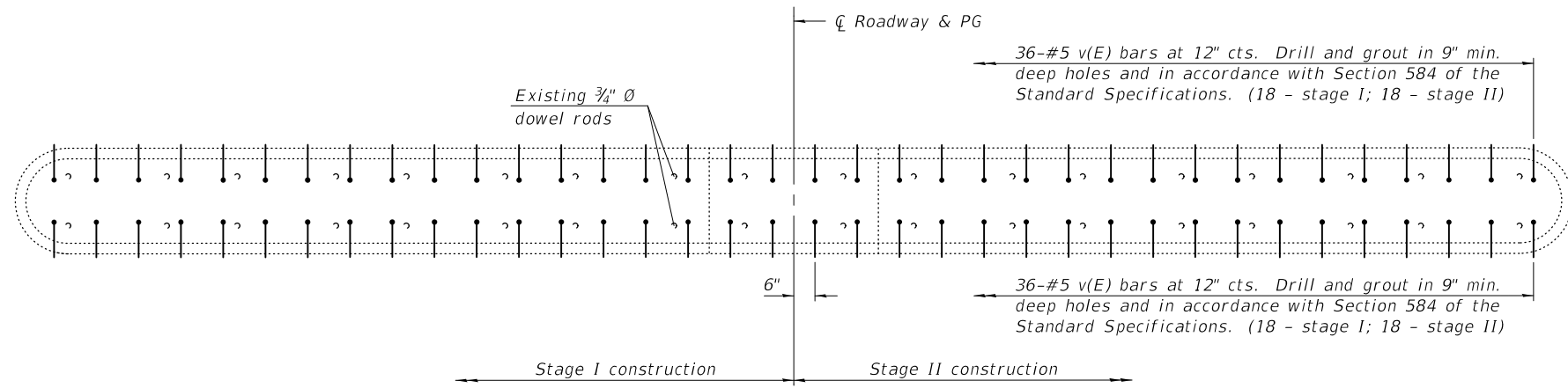
DATE - DECEMBER 3, 2019
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

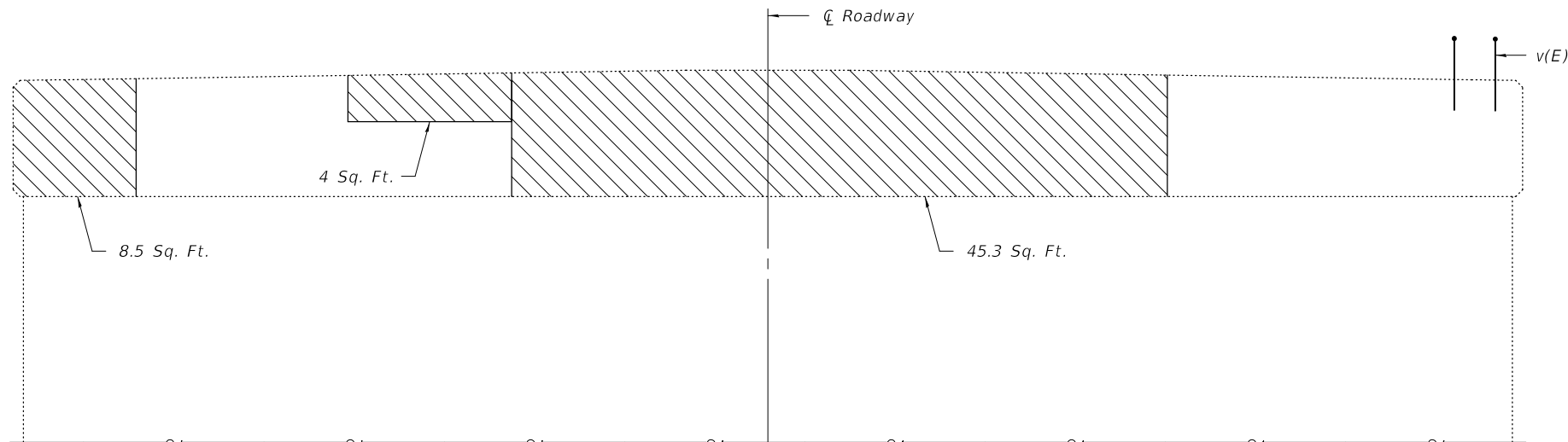
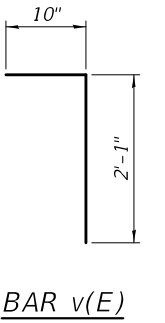
**NORTH ABUTMENT REMOVAL AND REPAIRS
STRUCTURE NO. 018 - 0057**

SHEET 14 OF 19 SHEETS

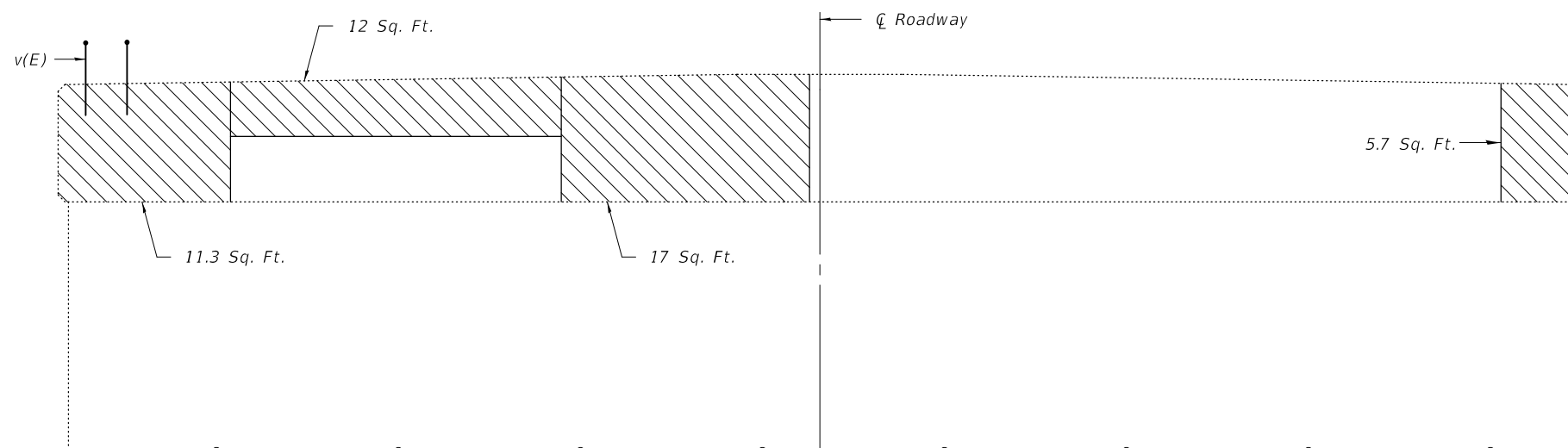
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	27
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				



LEGEND
 Concrete Repairs



NORTH ELEVATION
(Looking South)

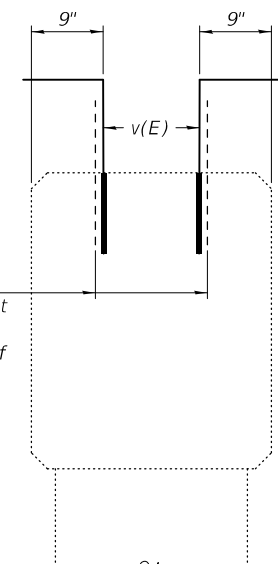


SOUTH ELEVATION
(Looking North)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
v(E)	72	#5	2'-11"	Γ
Reinforcement Bars, Epoxy Coated			Pound	220
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)			Sq. Ft.	104

Existing 3/4" Ø dowel rods (2 each beam end) to be cut off at top of existing cap. Cost included in Removal of Existing Superstructures.



SECTION THRU PIER CAP

MODEL: 0180057-74325-015
 FILE NAME: pw:\planroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED - BRENDA PAGAN-FIGUEROA
 CHECKED - PAUL S. JOHNSON
 DRAWN - MICHAEL B. MOSSMAN
 CHECKED - B.P. / P.S.J.

EXAMINED
 PASSED

 ENGINEER OF BRIDGE DESIGN

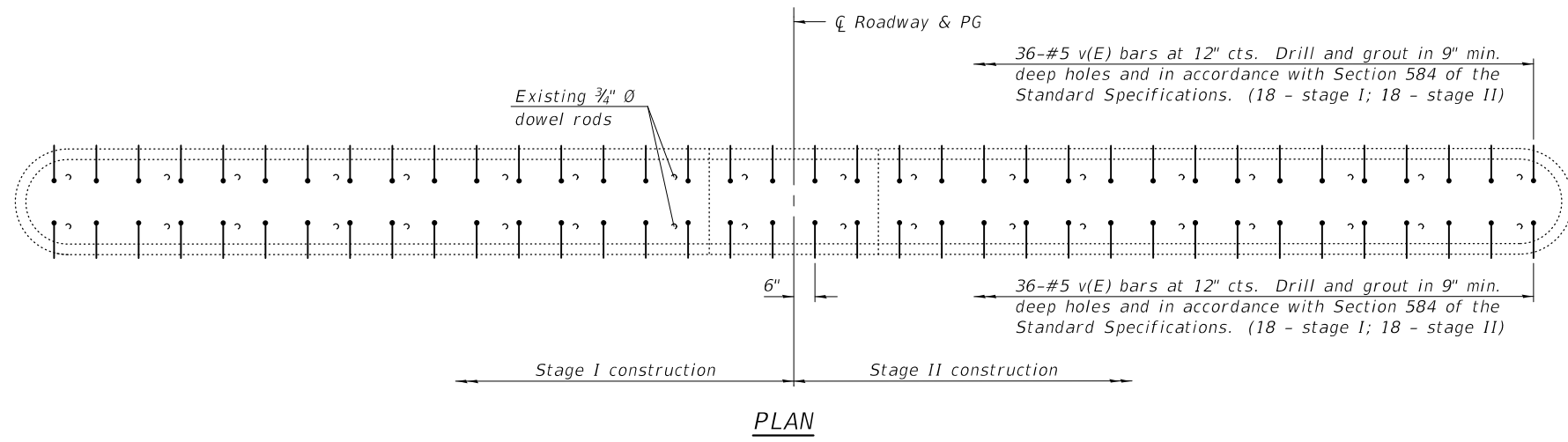
DATE - DECEMBER 3, 2019
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

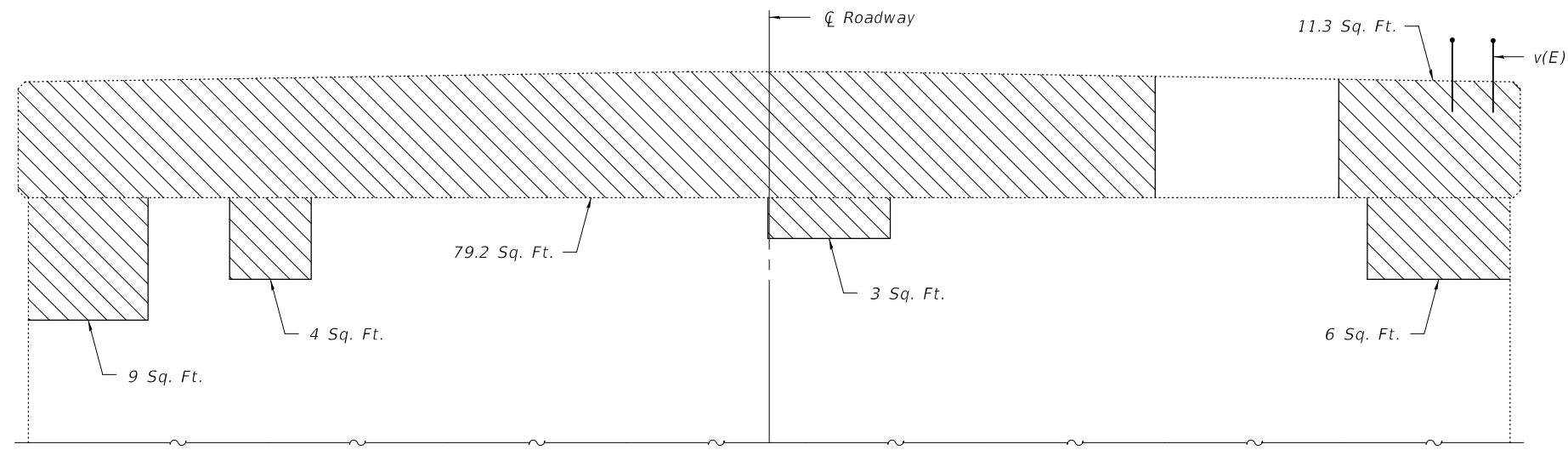
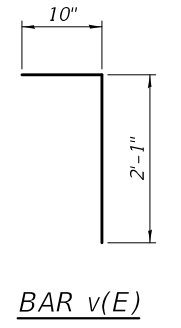
PIER 1 REPAIRS
STRUCTURE NO. 018 - 0057

SHEET 15 OF 19 SHEETS

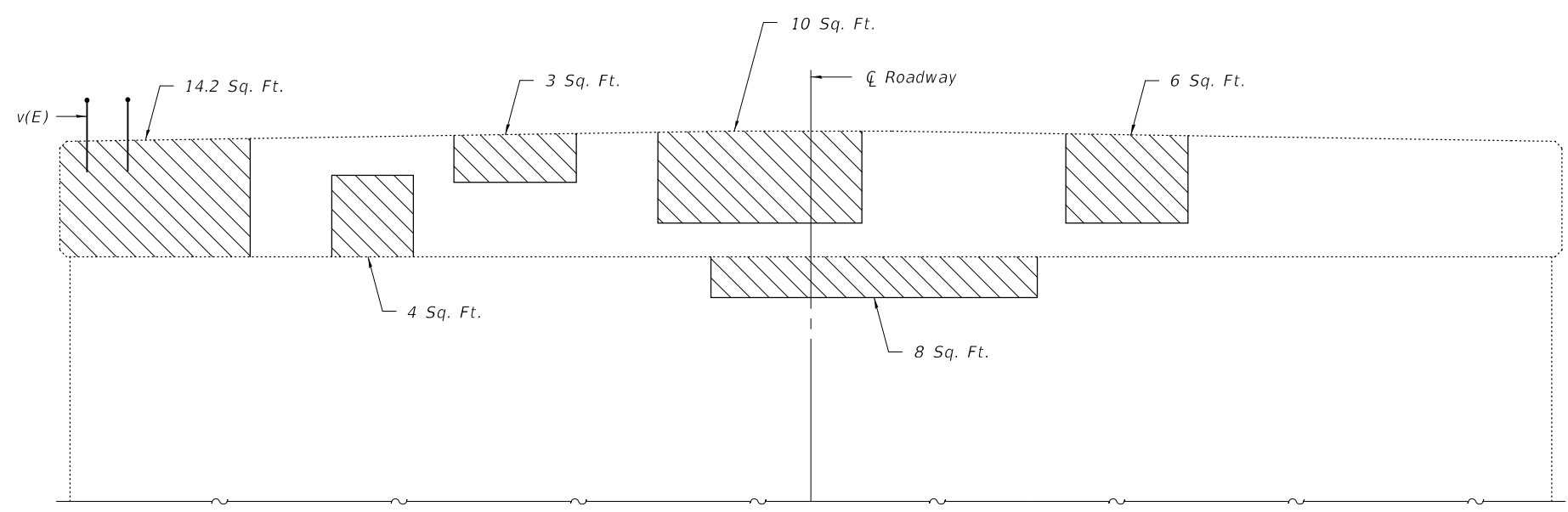
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	28
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				



LEGEND
 Concrete Repairs



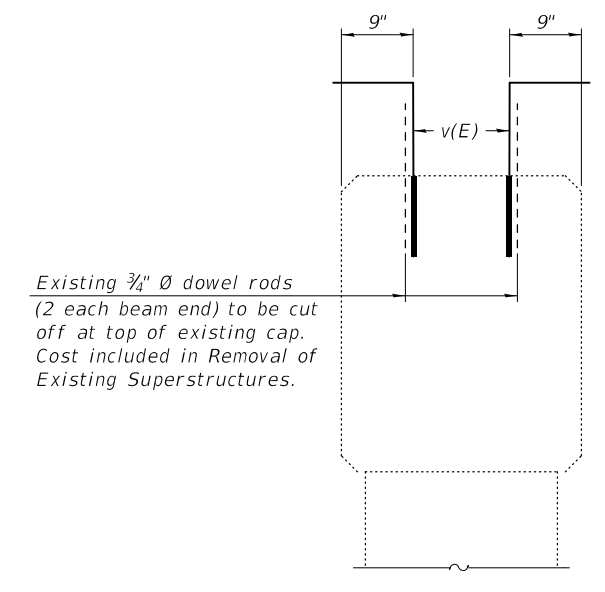
NORTH ELEVATION
(Looking South)



SOUTH ELEVATION
(Looking North)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
v(E)	72	#5	2'-11"	Γ
Reinforcement Bars, Epoxy Coated			Pound	220
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)			Sq. Ft.	158



SECTION THRU PIER CAP

MODEL: 0180057-74325-016
 FILE NAME: pw:\planroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057-74325.dgn
 12/4/2019 1:28:42 PM

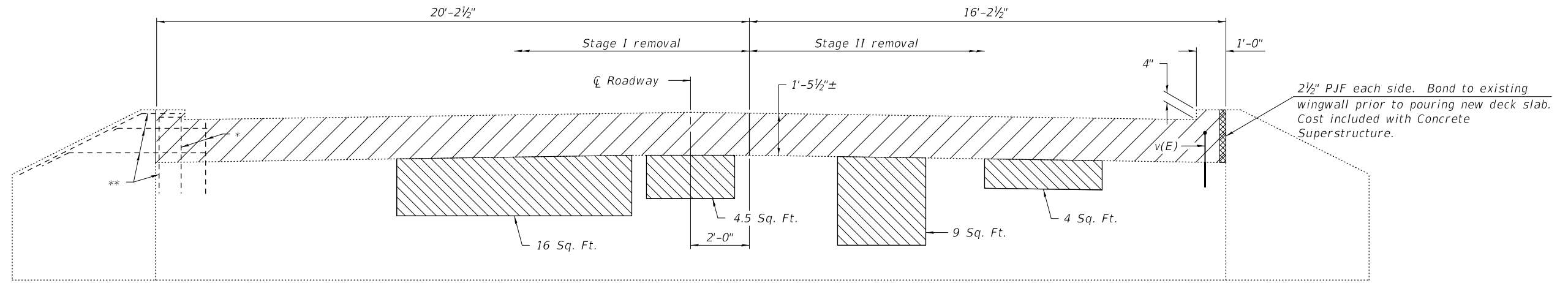
DESIGNED - BRENDA PAGAN-FIGUEROA	EXAMINED -	DATE - DECEMBER 3, 2019
CHECKED - PAUL S. JOHNSON	PASSED -	REVISER -
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -
CHECKED - B.P. / P.S.J.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 REPAIRS
STRUCTURE NO. 018 - 0057

SHEET 16 OF 19 SHEETS

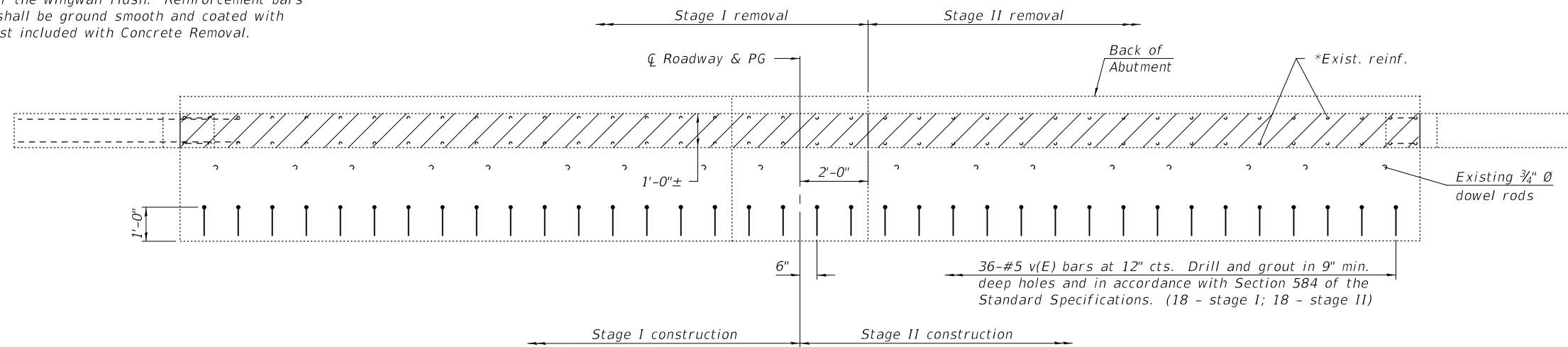
F.A.P. RTE. 828	SECTION (12BR-1)BR	COUNTY CUMBERLAND	TOTAL SHEETS 45	SHEET NO. 29
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				



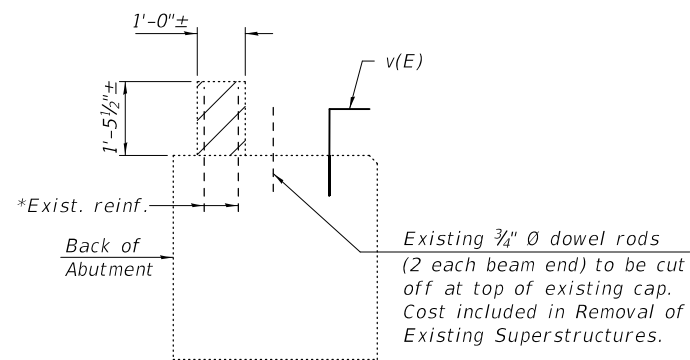
ELEVATION

* Existing reinforcement shall be cleaned and incorporated into new construction. Cost included in Concrete Removal.

** Cut existing horizontal reinforcement flush with wingwall. Cut existing vertical reinforcement within 4" of the wingwall flush. Reinforcement bars cut flush shall be ground smooth and coated with epoxy. Cost included with Concrete Removal.



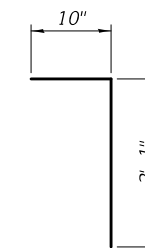
PLAN



SECTION THRU ABUTMENT



LEGEND



BAR v(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
v(E)	36	#5	2'-11"	Γ
Concrete Removal			Cu. Yd.	2.0
Reinforcement Bars, Epoxy Coated			Pound	110
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)			Sq. Ft.	34

MODEL: 0180057-74325-017
 FILE NAME: p:\w\planroom\dot\illinois\gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED - BRENDA PAGAN-FIGUEROA
 CHECKED - PAUL S. JOHNSON
 DRAWN - MICHAEL B. MOSSMAN
 CHECKED - B.P. / P.S.J.

EXAMINED
 PASSED
 ENGINEER OF BRIDGES AND STRUCTURES

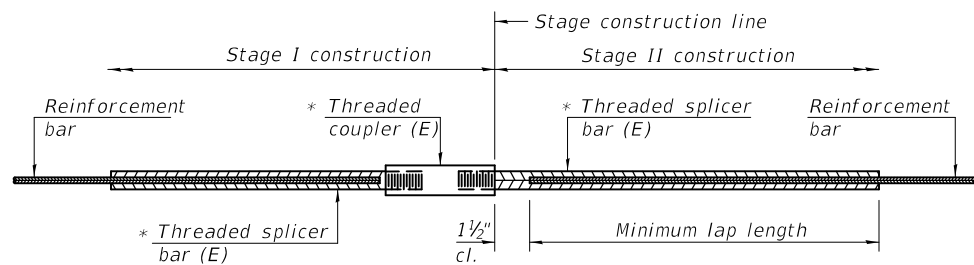
DATE - DECEMBER 3, 2019
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOUTH ABUTMENT REMOVAL AND REPAIRS
 STRUCTURE NO. 018 - 0057**

SHEET 17 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	30
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

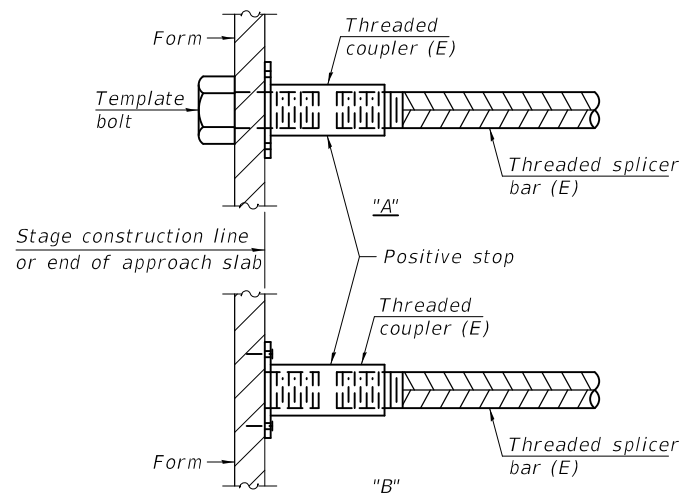


STANDARD BAR SPLICER ASSEMBLY

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

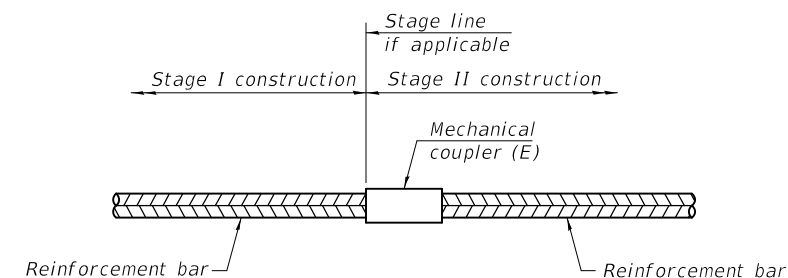
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Bridge slab	#7	343	3'-10"
Approach slab	#5	92	2'-9"
Approach slab	#8	120	4'-3"
Approach footing	#5	80	3'-2"



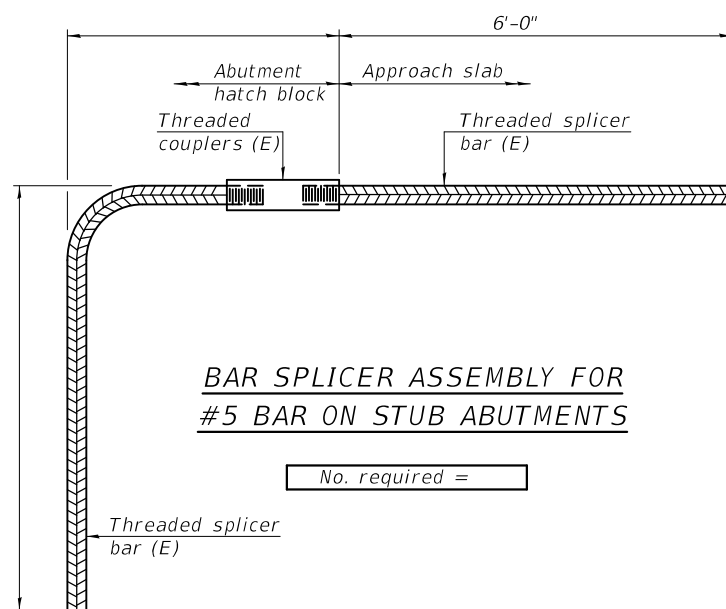
INSTALLATION AND SETTING METHODS

"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 =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: 0180057-74325-018
 FILE NAME: p:\v\planroom-dot.illinois.gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

BSD-1 2-17-2017

DESIGNED -	BRENDA PAGAN-FIGUEROA
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	B.P. / P.S.J.

EXAMINED	<i>Jaime F. Joffe</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Carl Kasper</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	DECEMBER 3, 2019
REVISED -	
REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 018 - 0057**

SHEET 18 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	CUMBERLAND	45	31
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				



**Illinois Department
of Transportation**
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 3/12/80

ROUTE FAP 828 DESCRIPTION Spring Point Creek LOGGED BY R.D. Metheny
SECTION 12BR-1 LONGITUDE _____ LATITUDE _____
COUNTY Cumberland DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. Station	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
018-0057 453+18				ft ft	ft			
BORING NO. <u>1 N. Abut.</u> Station <u>452+64</u> Offset <u>7.00ft Rt</u> Ground Surface Elev. <u>567.9</u> ft	(ft) (/6")	(tsf)	(%)	Groundwater Elev.: First Encounter _____ ft Upon Completion <u>553.4</u> ft After _____ Hrs. _____ ft	(ft) (/6")	(tsf)	(%)	
Existing I-11 and Concrete Pavement (1' +/-)				566.90				
Medium, damp, Clay Loam	5	0.6 E	17	545.90	3		22	
564.40								
Medium, damp, very weathered, Clay Shale	7	0.8 S	24	543.40	8	0.3 S	25	
-5								
560.90								
Stiff, very moist, Clay Loam with very thin Sand Lenses	5	0.7 S	22	540.40	8		26	
	11	1.3 S	21	539.40	*		10	
-10								
556.40								
Medium, damp, Clay Loam (organic with wood)	6	0.6 S	26			**	9	
555.40								
Soft, very damp to wet, sandy Clay Loam with 2" +/- thick lenses of wet Sand				534.40	***		3	
	3	0.3 S	21					
Water encountered at Elev. 550.9	-15							
550.90								
Loose, very damp to wet, fine grain, Sand	4	0.4 S	23					
548.40								
-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. 11-11)

MODEL: 0180057-74325-019
FILE NAME: p:\work\planroom\dot\illinois\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0180057\CADD Plans\0180057-74325.dgn

DESIGNED	- BRENDA PAGAN-FIGUEROA
CHECKED	- PAUL S. JOHNSON
DRAWN	- MICHAEL B. MOSSMAN
CHECKED	- B.P./P.S.J.

EXAMINED	<u>Joanne F. [Signature]</u>	DATE	- DECEMBER 3, 2019
PASSED	<u>[Signature]</u>	REVISOR	-
	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**Illinois Department
of Transportation**
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

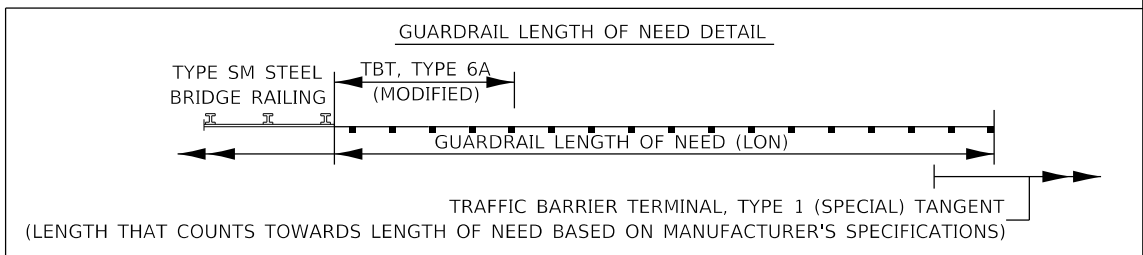
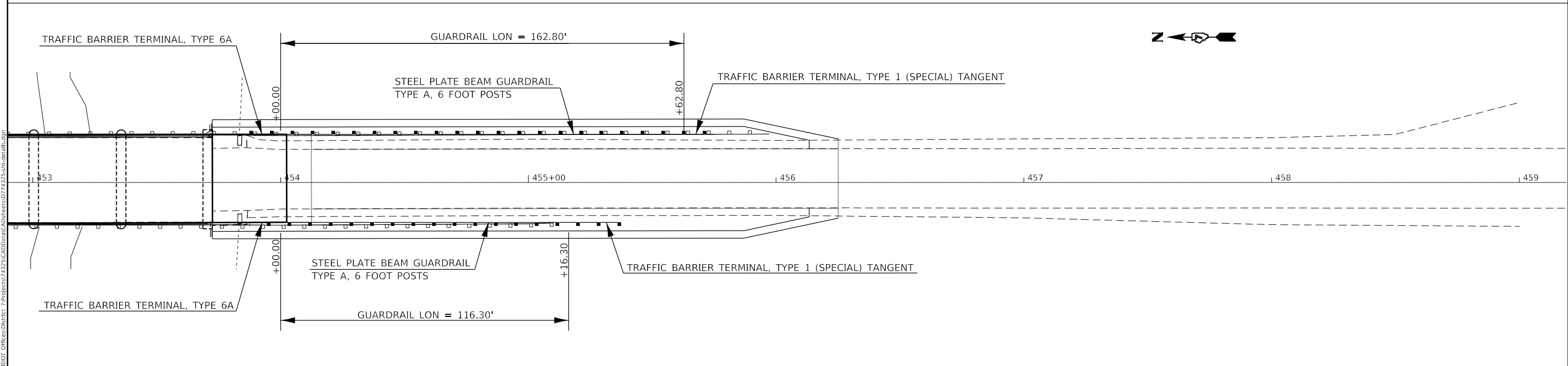
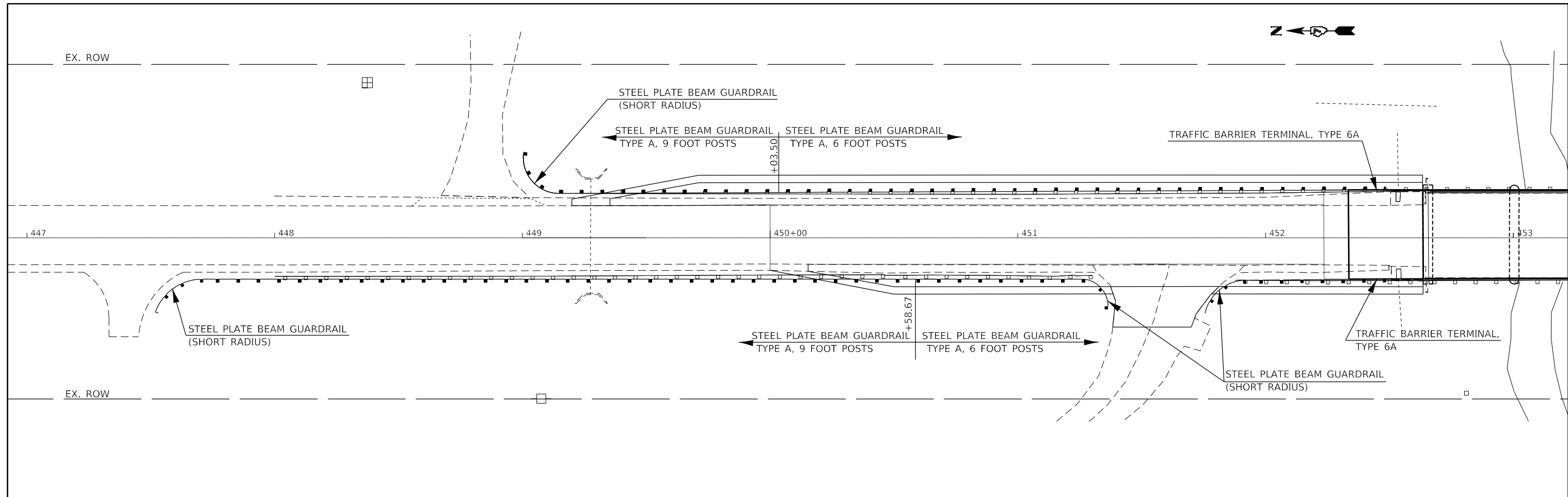
Date 4/8/80

ROUTE FAP 828 DESCRIPTION Spring Point Creek LOGGED BY R.D. Metheny
SECTION 12BR-1 LONGITUDE _____ LATITUDE _____
COUNTY Cumberland DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. Station	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
018-0057 453+18				ft ft	ft			
BORING NO. <u>2 S. Abut.</u> Station <u>453+72.5</u> Offset <u>5.50ft Lt</u> Ground Surface Elev. <u>567.9</u> ft	(ft) (/6")	(tsf)	(%)	Groundwater Elev.: First Encounter _____ ft Upon Completion <u>555.9</u> ft After _____ Hrs. _____ ft	(ft) (/6")	(tsf)	(%)	
Existing I-11 & Concrete Pavement (1' +/-)				566.90				
Still, damp, Clay	9	1.6 S	18	547.40			23	
564.90								
Medium, damp, very weathered, Clay Shale	8	0.8 S	22	544.90			18	
	8	0.8 S	22	542.40			15	
-5								
562.40								
Medium, damp, Clay Loam with very thin lenses of very fine grain Sand (organic w/wood)	6	0.7 S	21	541.40			12	
559.90								
Soft, very damp, Clay Loam with thin lenses of very fine grain Sand	4	0.4 S	26	541.40			10	
559.90								
-10								
552.40								
Very loose, water bearing, fine grain, Sandy Loam	1			534.40			8	
548.90								
Very loose, water bearing, fine grain, Sand	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. 11-11)

DESIGNED - BRENDA PAGAN-FIGUEROA			EXAMINED			DATE - DECEMBER 3, 2019			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			SOIL BORING LOGS STRUCTURE NO. 018 - 0057			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PAUL S. JOHNSON			PASSED												828	(12BR-1)BR	CUMBERLAND	45	32
DRAWN - MICHAEL B. MOSSMAN									SHEET 19 OF 19 SHEETS			CONTRACT NO. 74325			ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE: Model: 74325-CADD-Data-CAD-Drawings-DOT-Office-Direct: 7-Projects\74325-CADD-Data-CAD-Drawings-DOT-Office-Direct\74325-shc-drawings.dwg

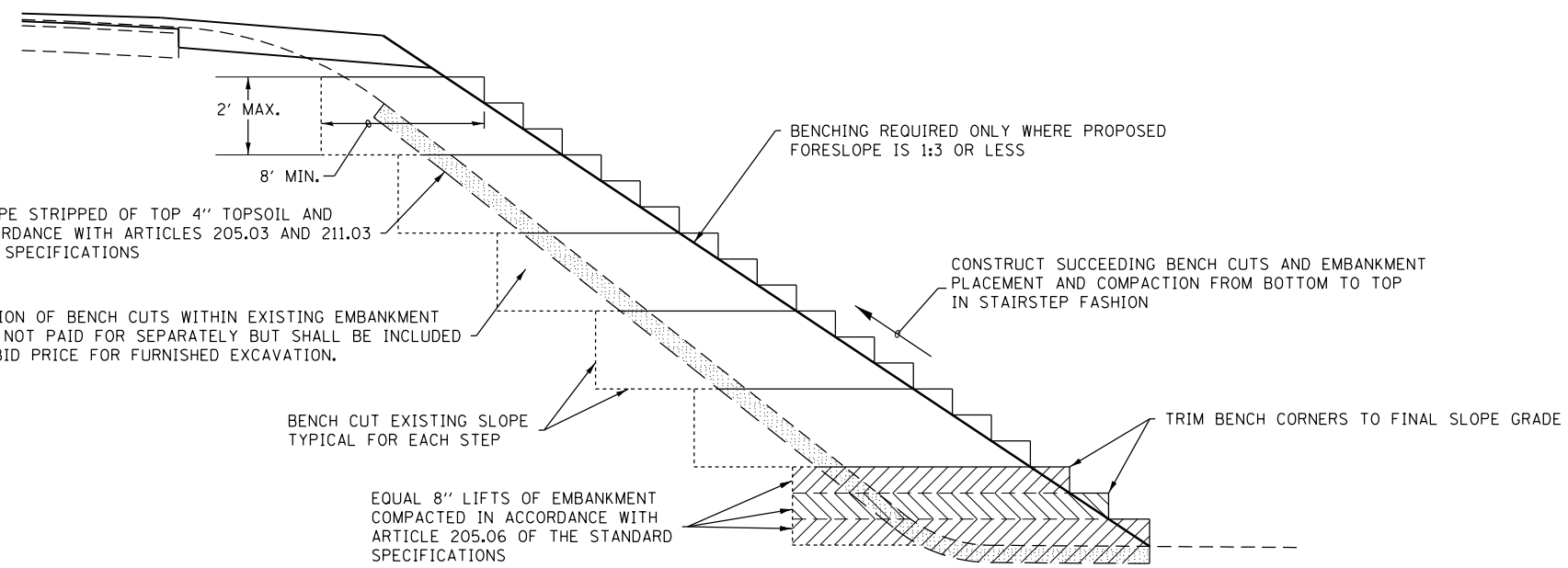
USER NAME = steffemk	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISOR -
PLOT DATE = 10/15/2019	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 828	SECTION (12BR-1)BR	COUNTY Cumberland	TOTAL SHEETS 45	SHEET NO. 33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74325	



EXISTING FORESLOPE STRIPPED OF TOP 4" TOPSOIL AND PREPARED IN ACCORDANCE WITH ARTICLES 205.03 AND 211.03 OF THE STANDARD SPECIFICATIONS

EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE NOT PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE BID PRICE FOR FURNISHED EXCAVATION.

BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP

EQUAL 8" LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.06 OF THE STANDARD SPECIFICATIONS

TYPICAL BENCHING FOR EMBANKMENTS DETAIL
(NOT TO SCALE)

MODEL: Default
 FILE: h:\m\c\p\pub\harcourm.d\at\illinois.gov\PI\DOT\Documents\DOT_Offices\District_7\Projects\174325\CAAD\Drawings\174325-shc-detail.dgn

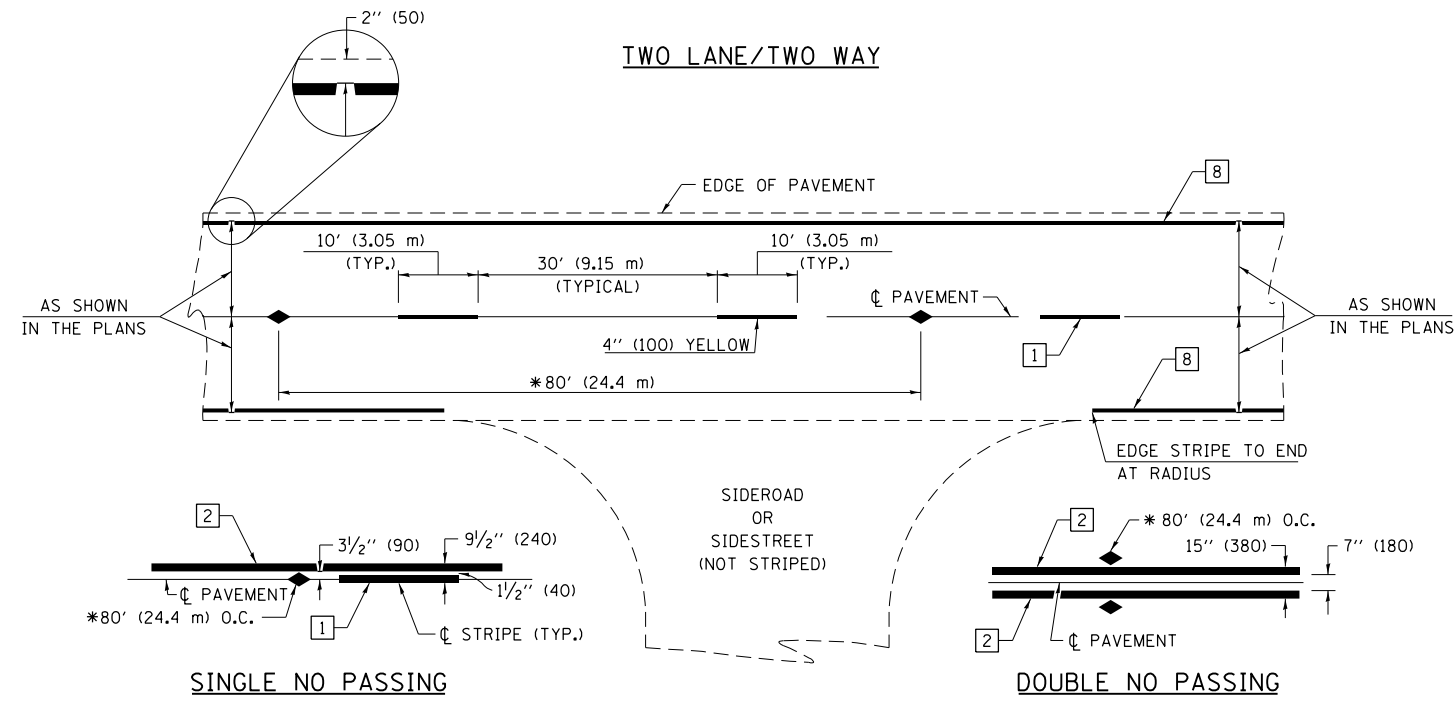
USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISC. DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

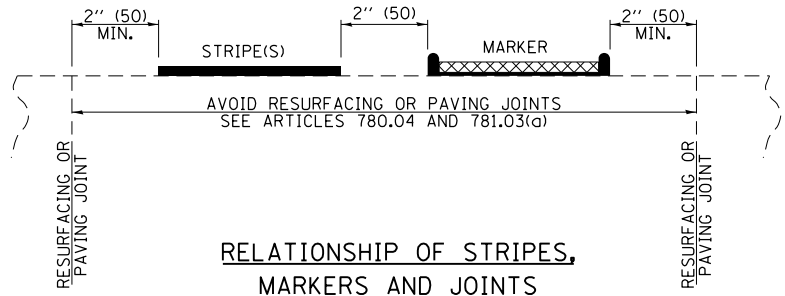
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	34
			CONTRACT NO. 74325	
		ILLINOIS	FED. AID PROJECT	



* 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

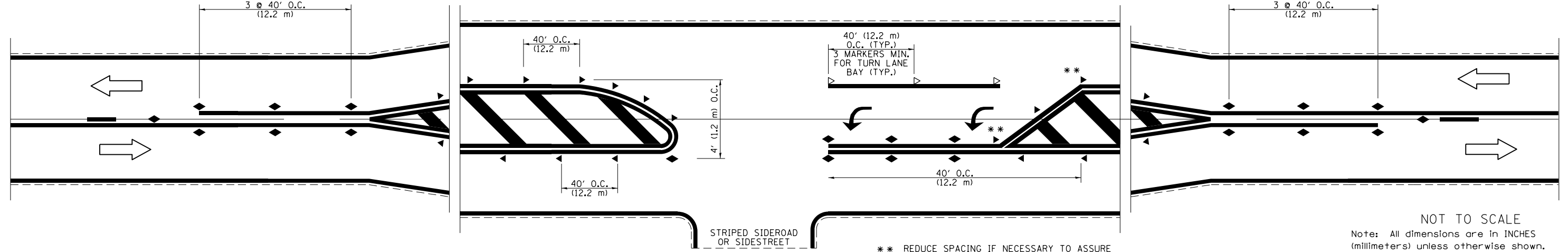
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP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



TYPICAL PAVEMENT MARKERS LEGEND

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

RAISED REFLECTIVE PAVEMENT MARKERS

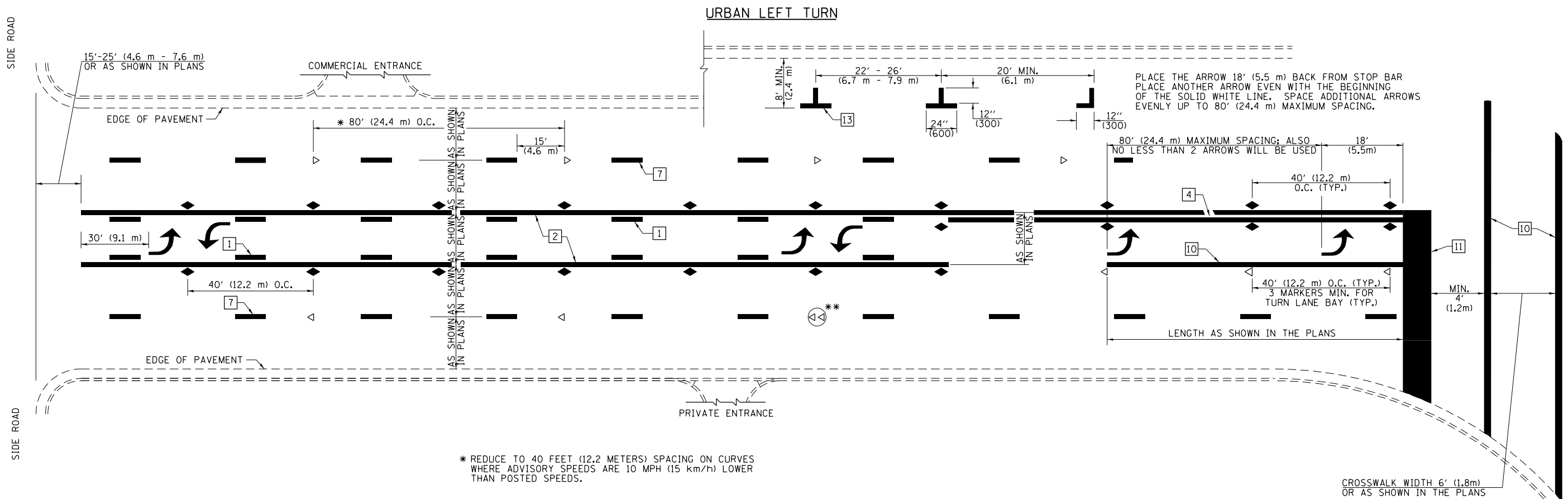


** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

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

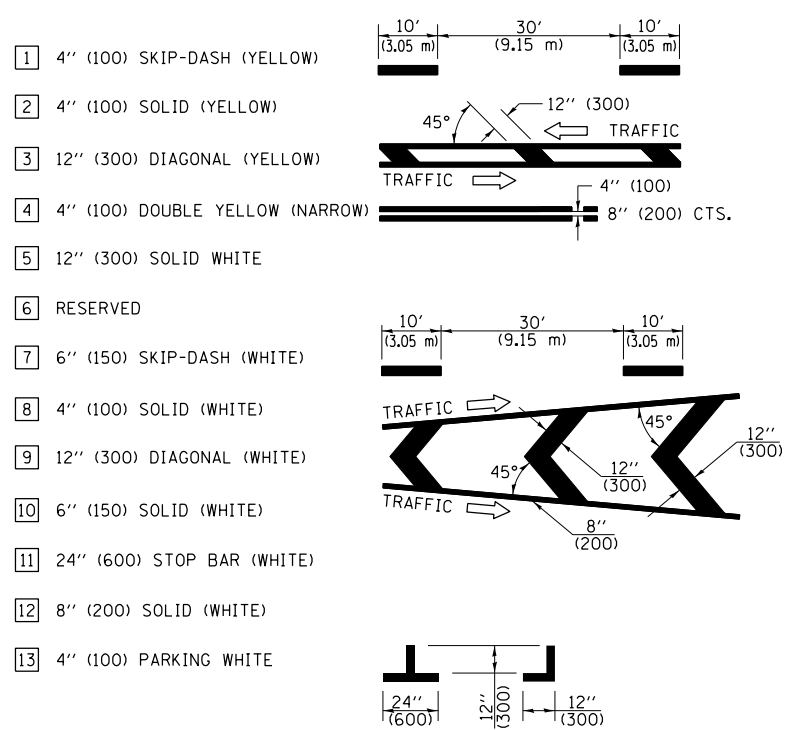
DISTRICT 7 DETAIL NO. 78000001

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:\planroom\dtd.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74325\DRAWING\CADsheets\0774325-shd-details.dgn	DESIGNED -	REVISED -	828			(12BR-1)BR	Cumberland	45	35	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 74325							
PLOT DATE = 10/15/2019	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							



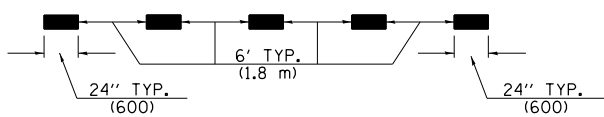
- * REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- ** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

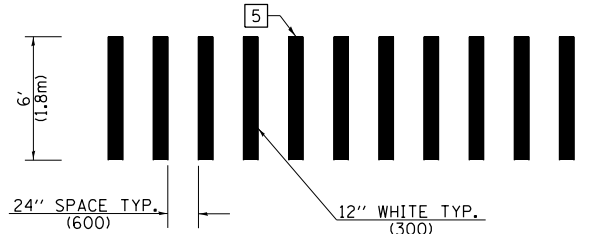


GENERAL NOTES

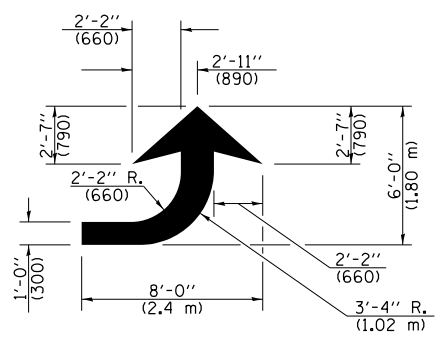
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT 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.



LANE LINE EXTENSIONS

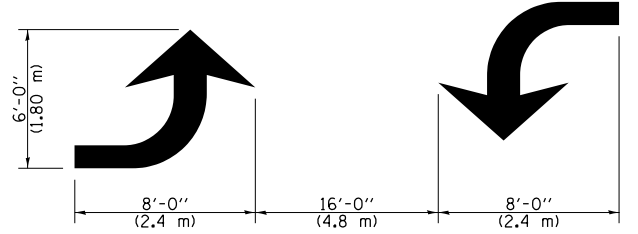


CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)



LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)

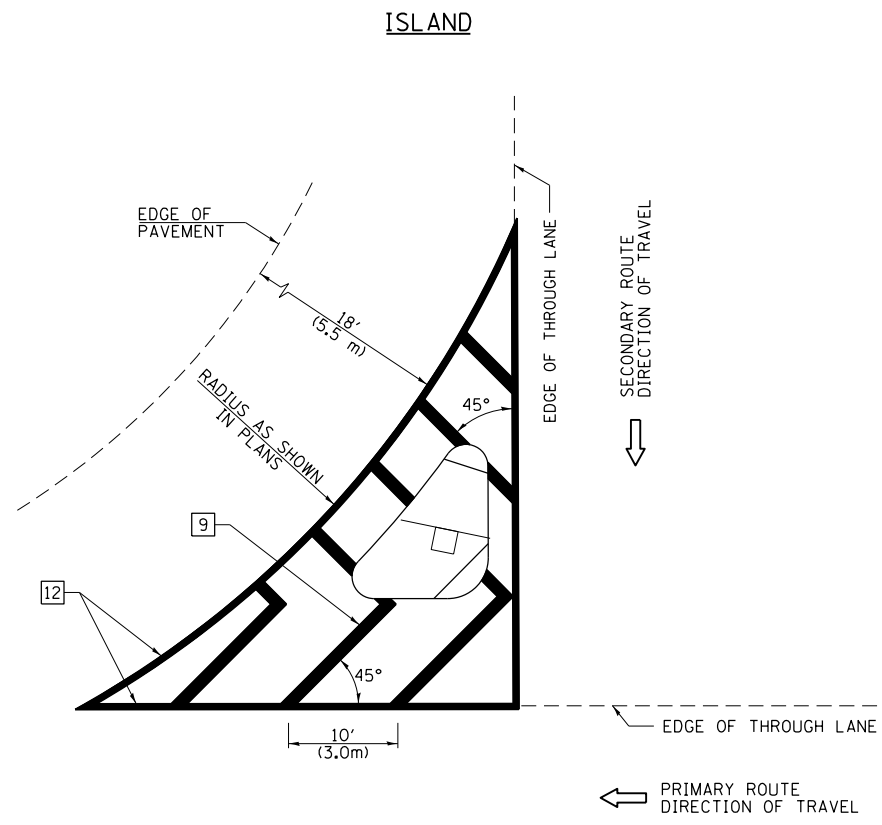


TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

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

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:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74325\DRAWING\CADsheets\0774325-shd-details.dgn	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -			828	(12BR-1)BR	Cumberland	45	36
PLOT DATE = 10/15/2019	DATE -	REVISED -	REVISED -			CONTRACT NO. 74325				
						ILLINOIS FED. AID PROJECT				

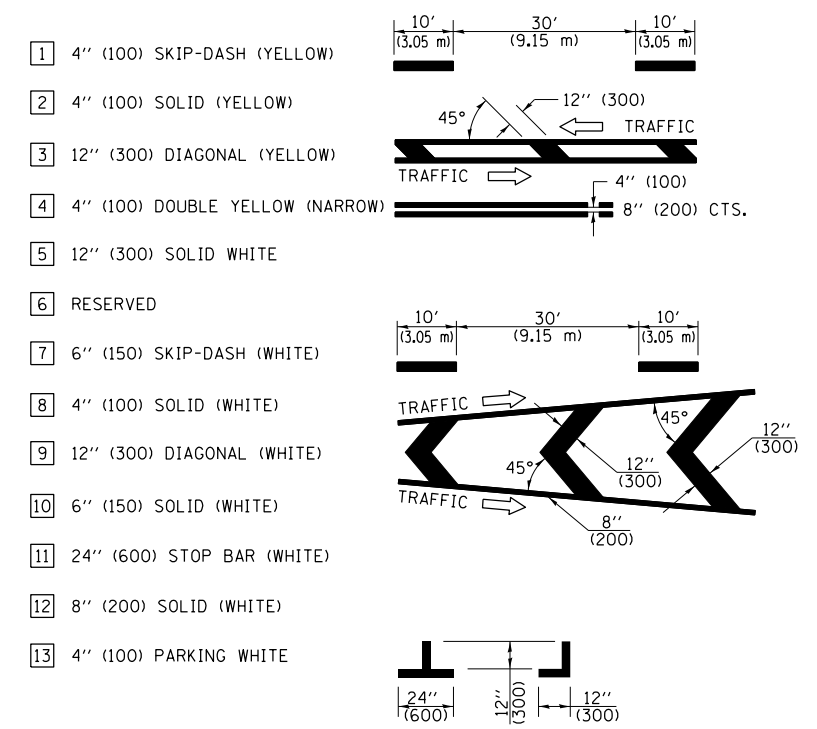


GENERAL NOTES

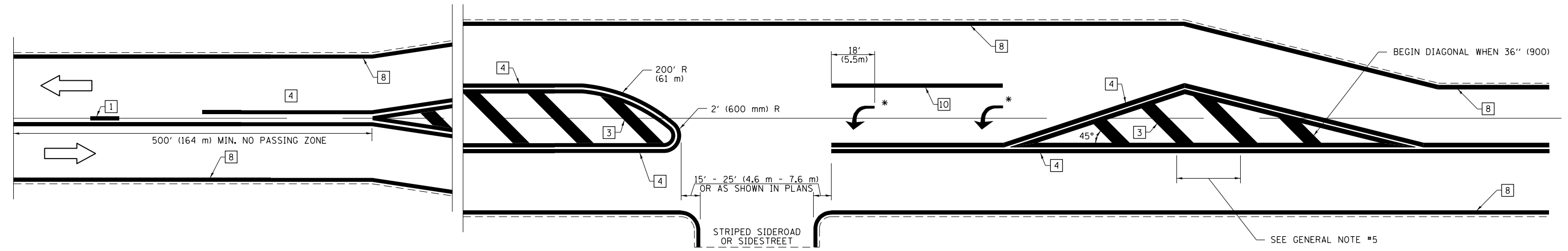
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING 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:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74325\DRAWING\CADsheets\0774325-shr-details.dgn		REVISIONS	REVISIONS
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/15/2019	DATE -	REVISED -

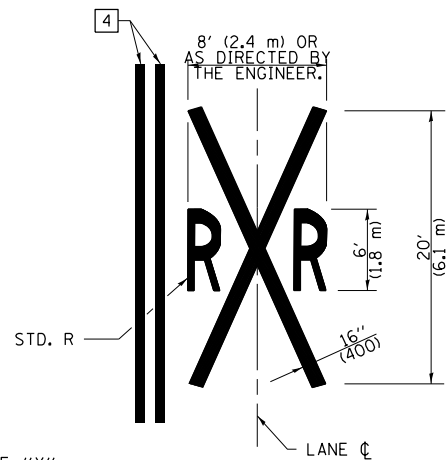
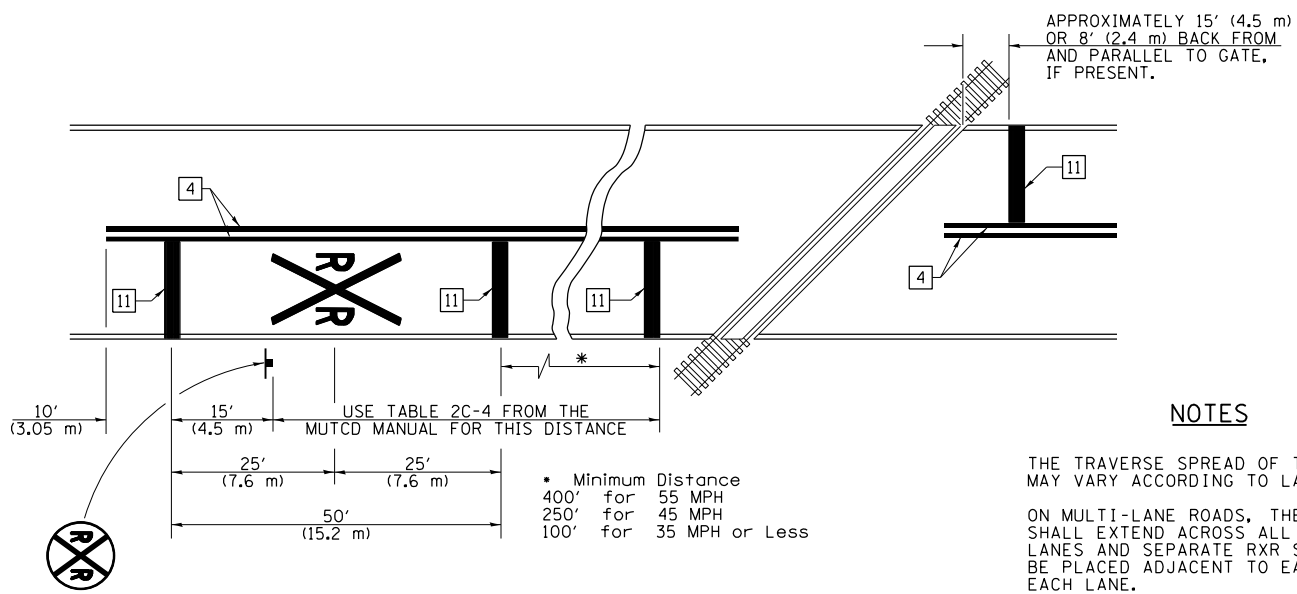
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**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.
828	(12BR-1)BR	Cumberland	45	37
			CONTRACT NO. 74325	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

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

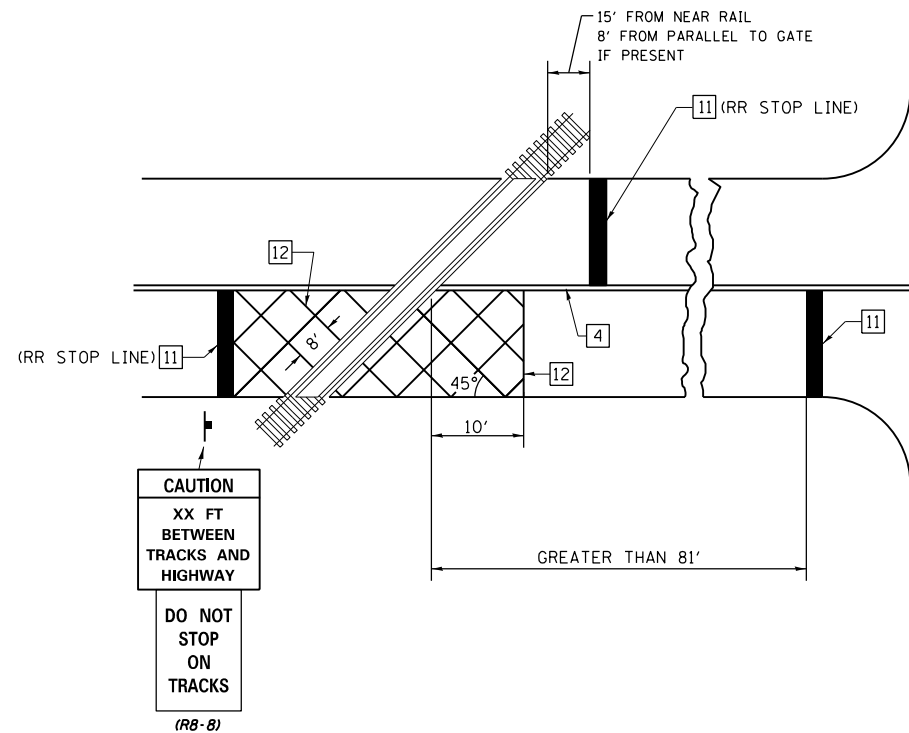
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

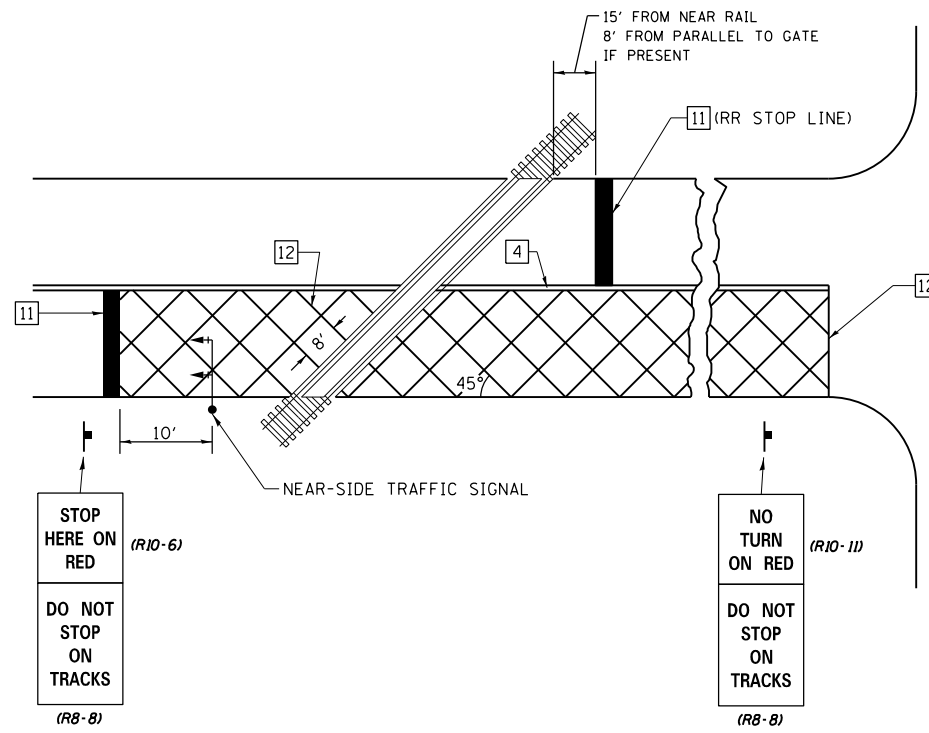
PAVEMENT MARKING LEGEND

- 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.

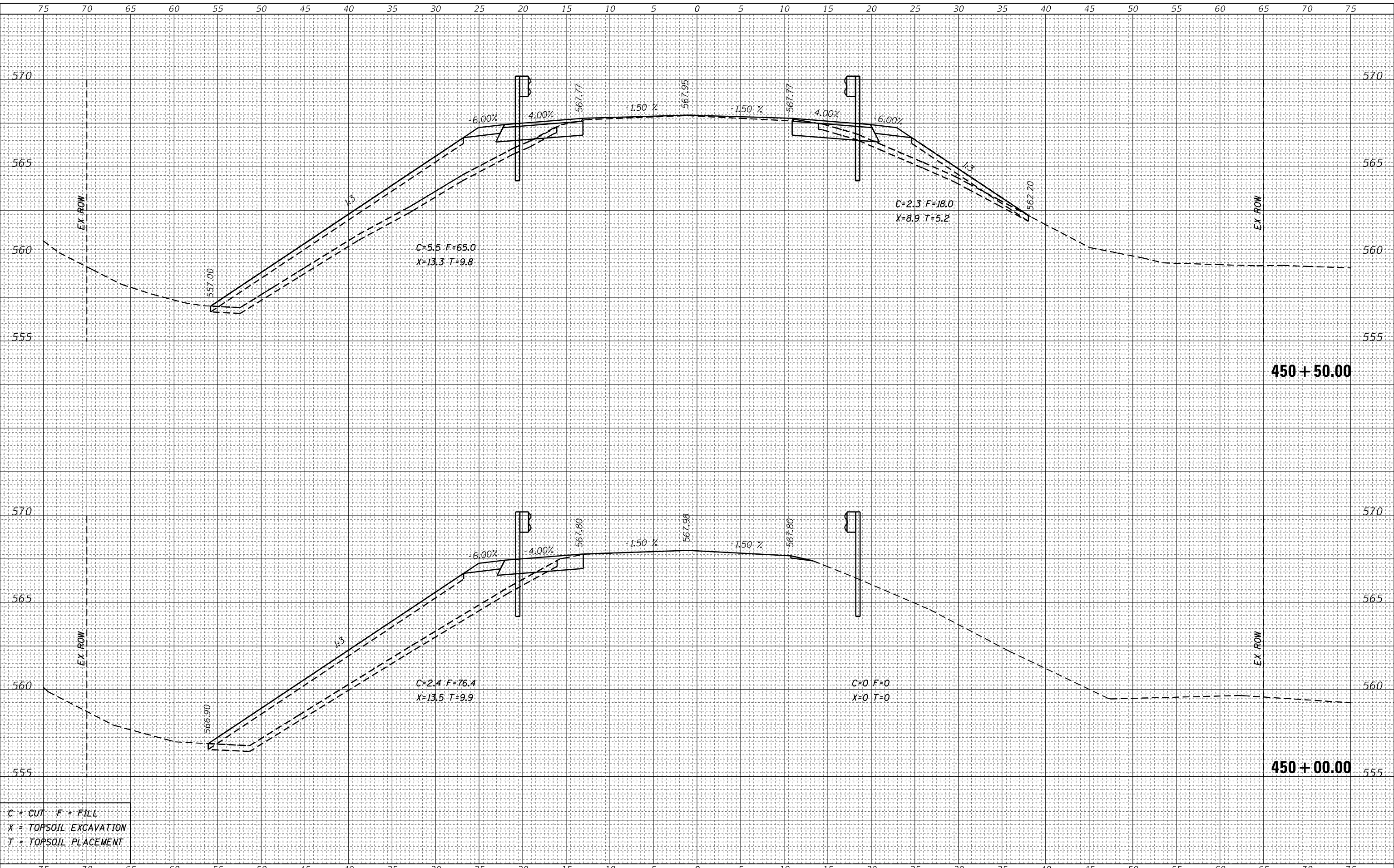
DISTRICT 7 DETAIL NO. 7800001

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:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74325\DRAWING\CADsheets\0774325-shd-details.dgn	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			828	(12BR-1)BR	Cumberland	45	38
PLOT DATE = 10/15/2019	DATE -	REVISED -	REVISED -			CONTRACT NO. 74325				
						SCALE:	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.	

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: Default
 FILE NAME: p:\data\mason.dwg\illinois\pwr\DOT\Documents\DOT - Office\District 7\Projects\74325\CAD\Drawings\DOT\74325-sr-cs1.dwg



C = CUT F = FILL
 X = TOPSOIL EXCAVATION
 T = TOPSOIL PLACEMENT

USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

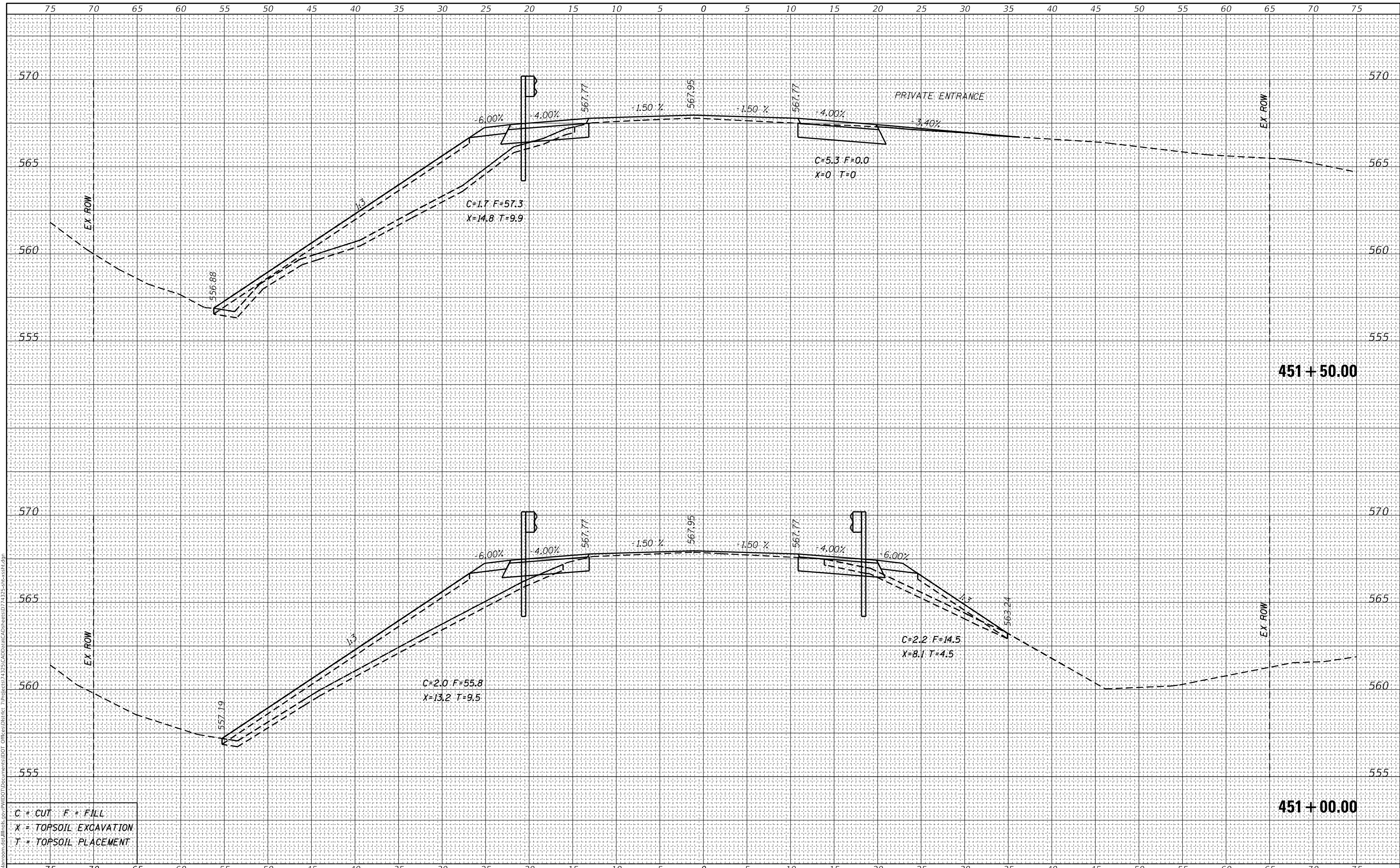
SCALE: SHEET OF SHEETS STA. 449+50.00 TO STA. 450+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	39
				CONTRACT NO. 74325
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Default
 FILE NAME: D:\work\mason.dwg\Illinois\pvt\PIV\DOT\Documents\DOT - Offices\District 7\Projects\74325\CAD\Drawings\DWG\74325-srt-ss1.dwg



C = CUT F = FILL
 X = TOPSOIL EXCAVATION
 T = TOPSOIL PLACEMENT

USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

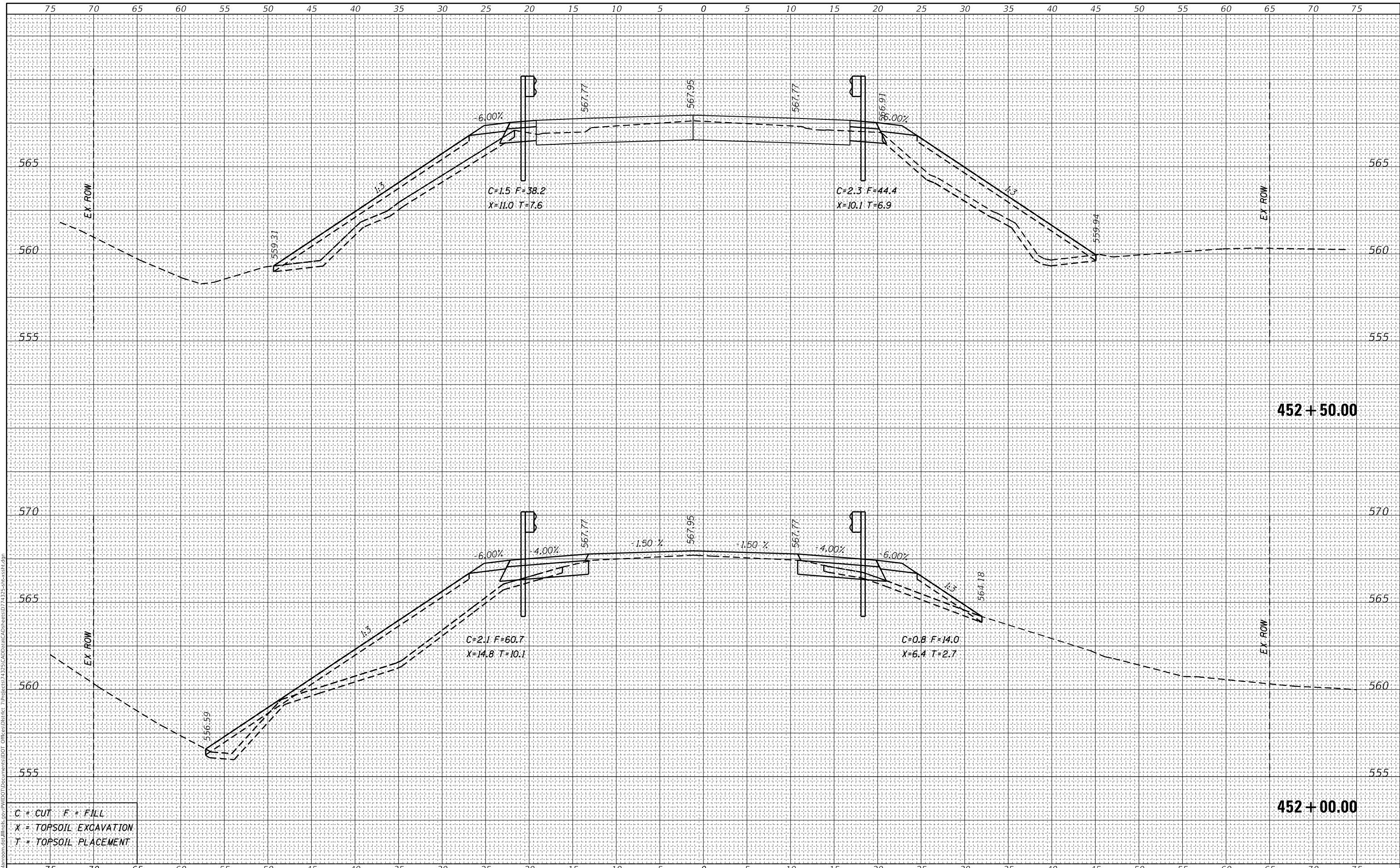
SCALE: SHEET OF SHEETS STA. 451+00.00 TO STA. 451+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	40
				CONTRACT NO. 74325
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Default
 FILE NAME: D:\work\mason.dwg\illinois\pwr\DOT Documents\DOT - Office\District 7\Projects\74325\CAD\Drawings\DOT\74325-sr-cs1.dgn



C = CUT F = FILL
 X = TOPSOIL EXCAVATION
 T = TOPSOIL PLACEMENT

USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
SCALE:	SHEET OF SHEETS
STA. 452+00.00 TO STA. 452+50.00	

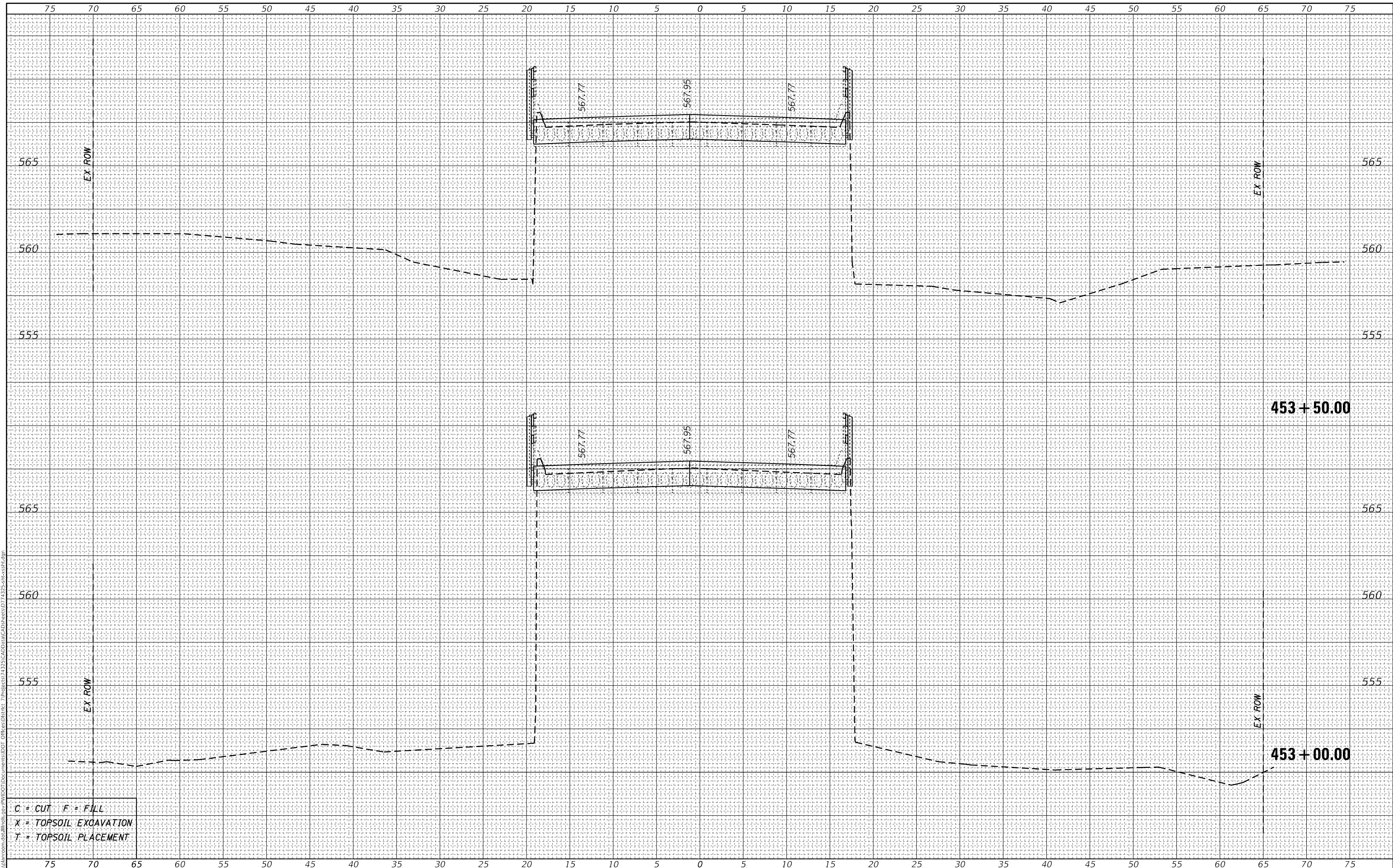
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	41
CONTRACT NO. 74325				
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: Default
FILE NAME: d:\work\moss.d\illinois\proj\PIV\DOT Documents\DOT_Offices\District_7\Projects\74325\CAD\Drawn\CAD\SheetID74325-srt-ss1.dgn

C = CUT F = FILL
X = TOPSOIL EXCAVATION
T = TOPSOIL PLACEMENT



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

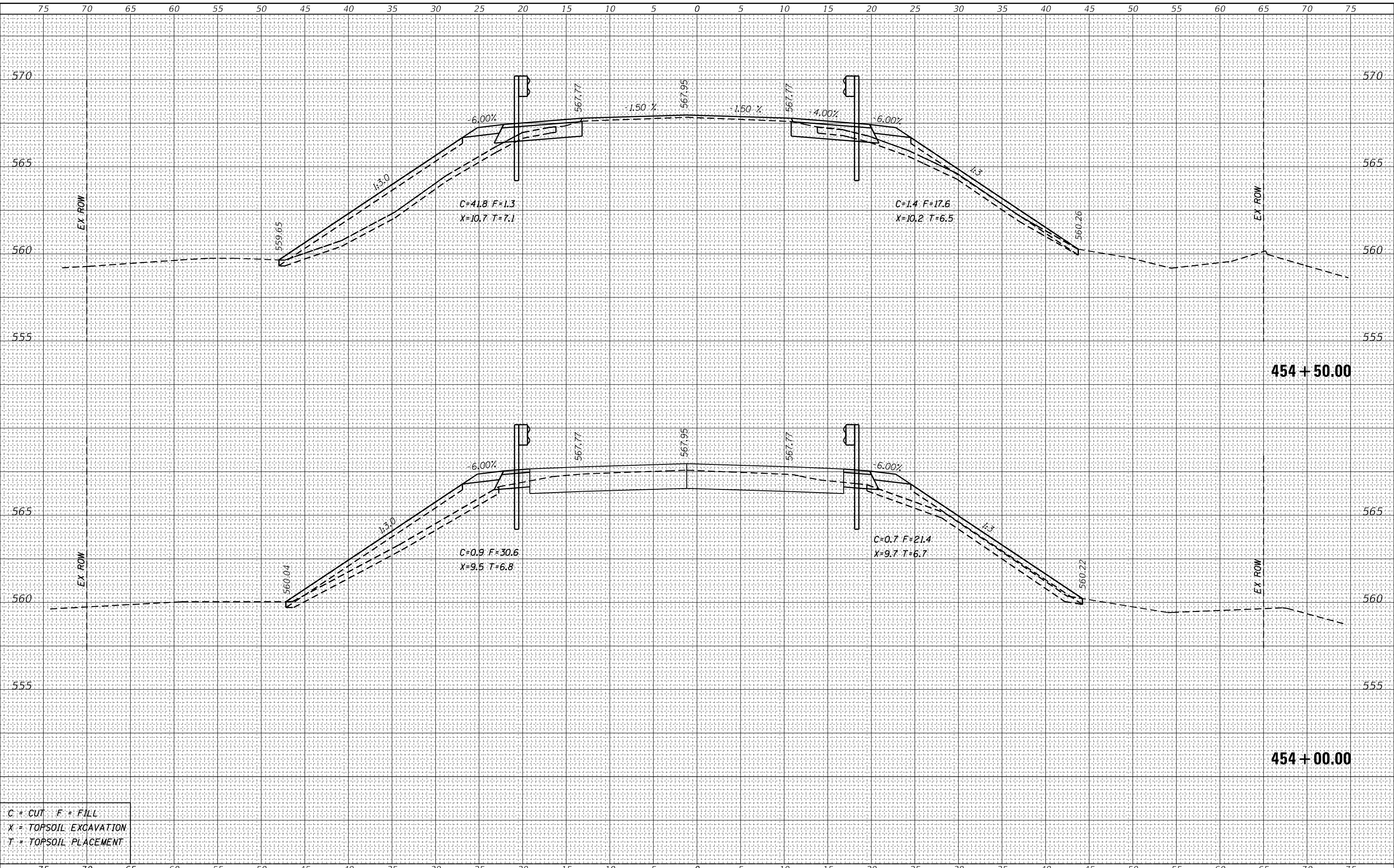
SCALE: SHEET OF SHEETS STA. 453+00.00 TO STA. 453+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	42
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\work\mason.dwg\illinois\pwr\WIDOT\Documents\DOT_Offices\District_7\Projects\74325\CAD\Drawings\DOT_74325-sr-cs-sta.dgn



C = CUT F = FILL
 X = TOPSOIL EXCAVATION
 T = TOPSOIL PLACEMENT

USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

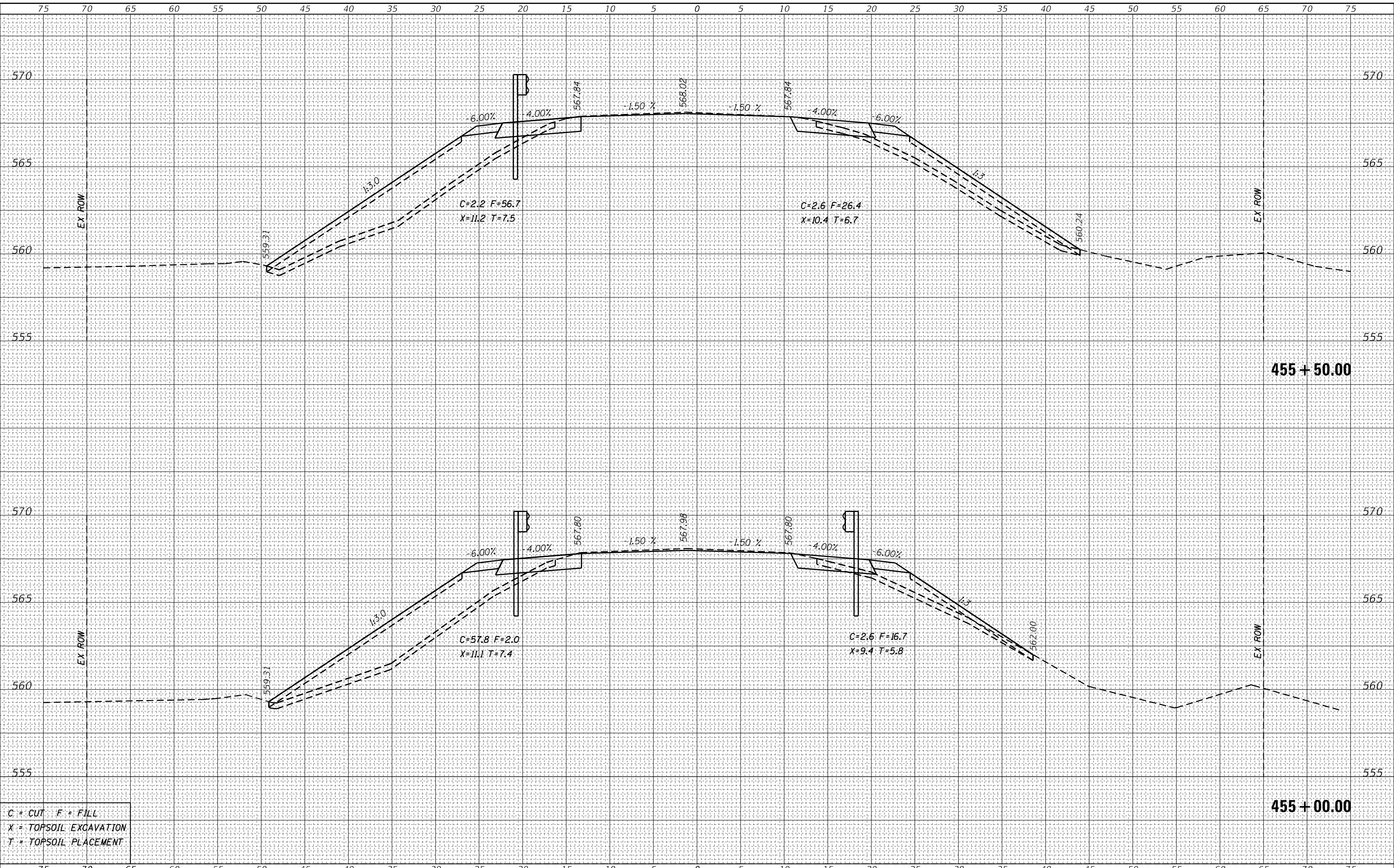
SCALE: SHEET OF SHEETS STA. 454+00.00 TO STA. 454+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	43
CONTRACT NO. 74325				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\work\mason.dwg\illinois\pwr\DOT Documents\DOT - Office\District - Projects\74325\CAD\Drawings\DOT\74325-sr-ss1.dgn



C = CUT F = FILL
 X = TOPSOIL EXCAVATION
 T = TOPSOIL PLACEMENT

USER NAME = stefnemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

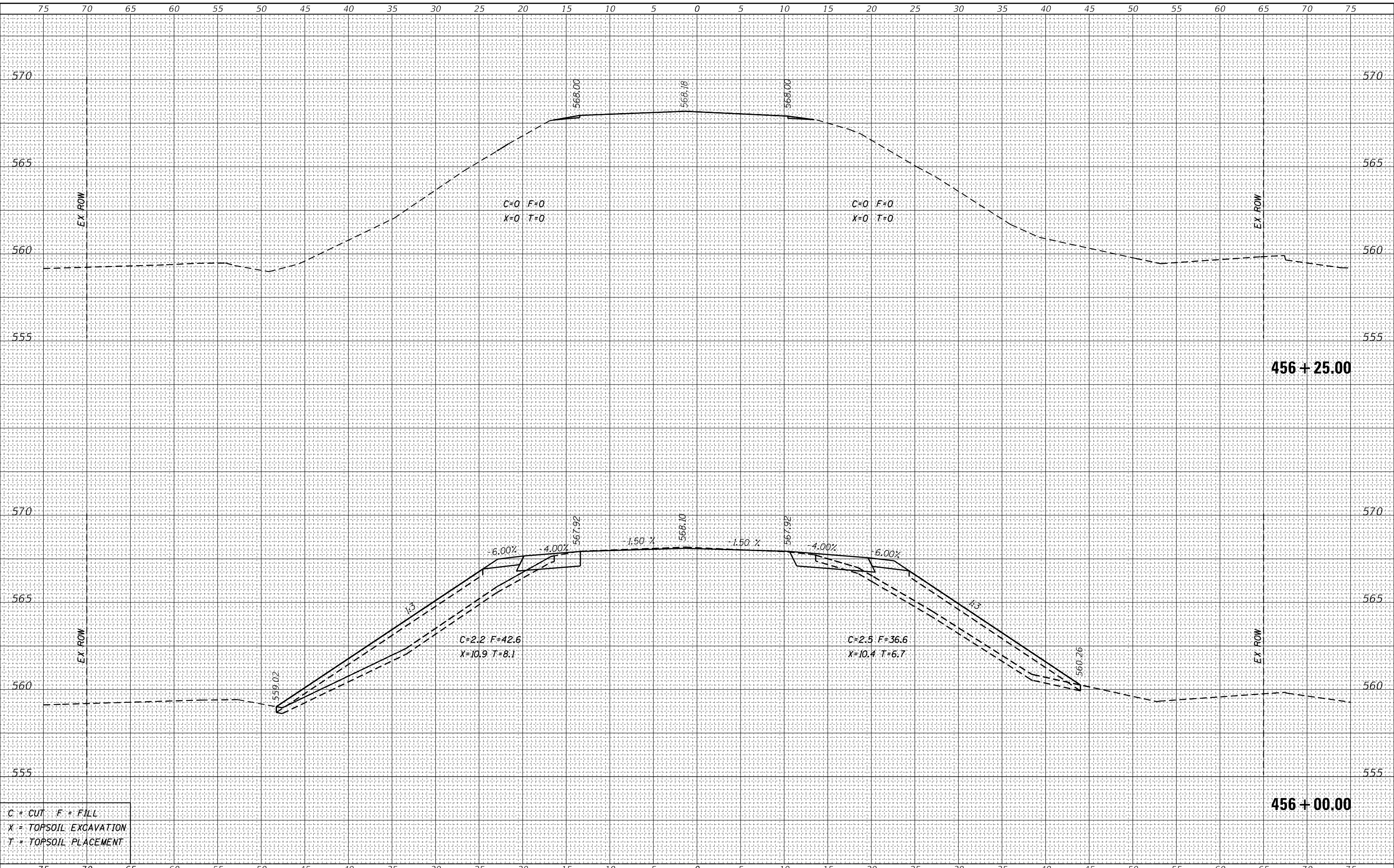
CROSS SECTIONS	
SCALE:	SHEET OF SHEETS
STA. 455+00.00 TO STA. 455+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	(12BR-1)BR	Cumberland	45	44
CONTRACT NO. 74325				
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: Default
 FILE NAME: D:\work\mason.dwg\Illinois\proj\PIV\DOT\Documents\DOT_Offices\District_7\Projects\74325\CAD\Drawings\DWG\74325-srt-ss1.dwg



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 456+00.00 TO STA. 456+25.00

F.A.P. RTE. 828	SECTION (12BR-1)BR	COUNTY Cumberland	TOTAL SHEETS 45	SHEET NO. 45
			CONTRACT NO. 74325	
		ILLINOIS	FED. AID PROJECT	