

025

FOR INDEX OF SHEETS, SEE SHEET NO. 2 01-18-2019 LETTING ITEM 025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	1
BALDWIN			CONTRACT NO. 74561	

CURRENT TRAFFIC DATA	
2018 ADT	2,350
P.V. %	90.4%
S.U. %	5.3%
M.U. %	4.3%

PROPOSED HIGHWAY PLANS

FAS ROUTE 1669 (SBI ROUTE 316)
SECTION (6BR3)BR
PROJECT STP-X52Z(290)
BRIDGE SUPERSTRUCTURE
COLES COUNTY

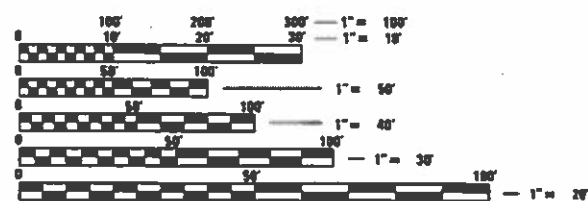
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SECTION (6BR3)BR ENDS
STA. 297 + 75.00

SUPERSTRUCTURE REPLACEMENT
S.N. 015-0070, STA. 294 + 73.50
SINGLE SPAN PRECAST PRESTRESSED
PCC DECK BEAM DECK W/PCC
WEARING SURFACE

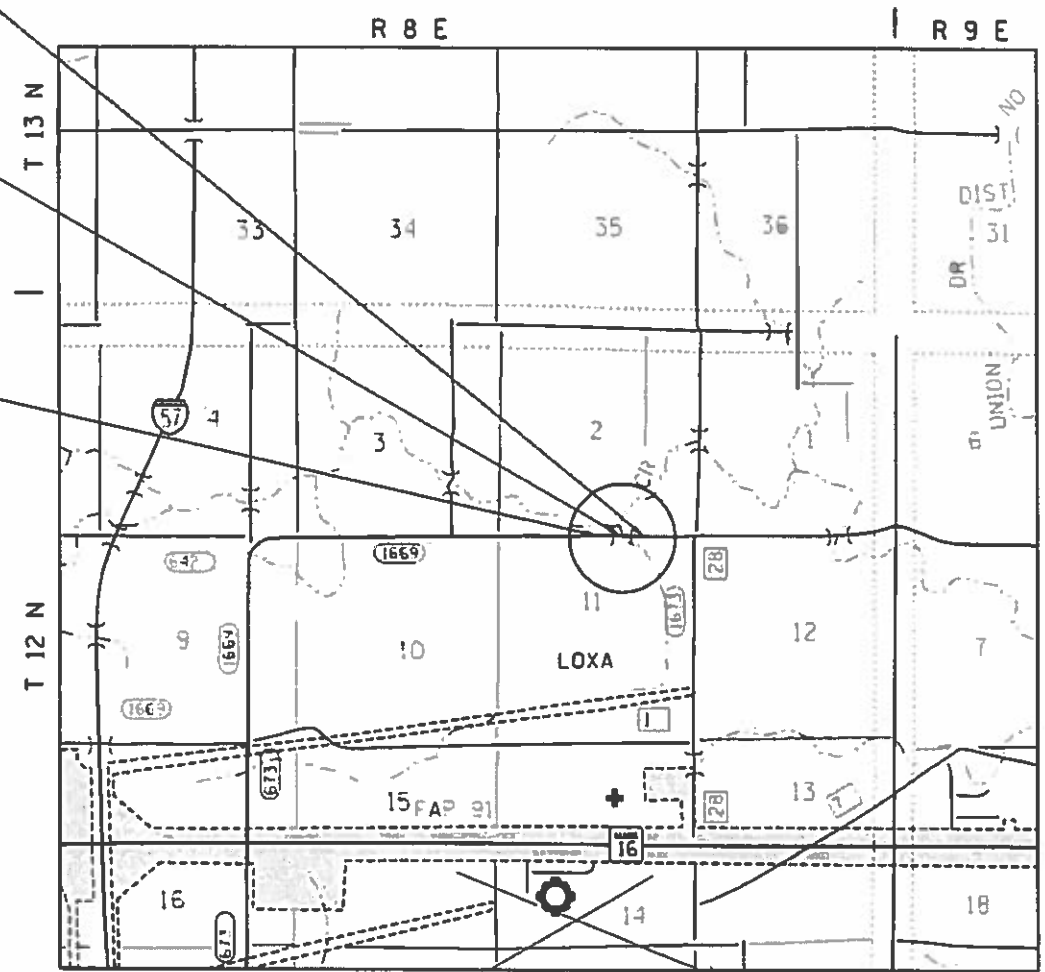
SECTION (6BR3)BR BEGINS
STA. 291 + 75.00



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

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

PROJECT ENGINEER: TOM RONAN
PROJECT MANAGER: BENJAMIN J. DETERS
PHONE: (217)-342-8320
CONTRACT NO. 74561



GROSS LENGTH = 600.00 FT. = 0.113 MILE
NET LENGTH = 600.00 FT. = 0.113 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED OCTOBER 12, 2018

Jeffrey A. South
REGIONAL ENGINEER

Dee [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Paul [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

STANDARD 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
406201 - 01	MAILBOX TURNOUT
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
482011 - 03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001 - 03	NAME PLATES FOR BRIDGES
542301 - 03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602306 - 03	INLET - TYPE B
604036 - 03	GRATE TYPE 8
630001 - 12	STEEL PLATE BEAM GUARDRAIL
630301 - 09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032 - 09	TRAFFIC BARRIER TERMINAL, TYPE 6A
701201 - 05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS • 45 MPH
701901 - 08	TRAFFIC CONTROL DEVICES
725001 - 01	OBJECT AND TERMINAL MARKERS
780001 - 05	TYPICAL PAVEMENT MARKINGS
781001 - 04	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R. 21 - 9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

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USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -				1669	(6BR3)BR	COLES	48	2	
PLOT DATE = 10/15/2018	CHECKED -	REVISED -		SCALE:		SHEET 1 OF 1 SHEETS		STA. TO STA.		CONTRACT NO. 74561	
	DATE -	REVISED -						ILLINOIS		FED. AID PROJECT	

GENERAL NOTES

THE WORK ON THIS PROJECT IS LOCATED AT EXISTING STRUCTURE NUMBER 015-0070 THAT CARRIES FAS ROUTE 1669 (900 N) OVER RILEY CREEK BRANCH 0.8 MILES NORTHWEST OF LOXA IN COLES COUNTY. THE WORK INCLUDED IN SECTION (6BR3)BR CONSISTS OF REMOVING AND REPLACING THE CONCRETE DECK BEAMS AND WEARING SURFACE, BRIDGE APPROACH PAVEMENTS, EARTH EXCAVATION AND EMBANKMENT, HOT-MIX ASPHALT RESURFACING, GUARDRAIL, PAVEMENT MARKING, STORM SEWER, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION. THE WORK SHALL BE COMPLETED UTILIZING A ROAD CLOSURE. ADDITIONAL SIGNS SHALL BE PLACED AT THE FOLLOWING LOCATIONS:

- ROAD CLOSED 3 MILES ALONG 875E, JUST NORTH OF IL 16
- ROAD CLOSED 3 MILES ALONG 875E, JUST NORTH OF DEWITT AVE
- ROAD CLOSED 2 MILES ALONG 900N, JUST EAST OF 875E/900N INTERSECTION
- ROAD CLOSED 2 MILES ALONG 900N, JUST WEST OF COUNTRY CLUB ROAD
- ROAD CLOSED 5 MILES ALONG MADISON AVE., JUST WEST OF 5TH STREET IN CHARLESTON

PAINT PAVEMENT MARKING, LINE-4" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS, AS SHOWN IN THE PLANS, AND AS DETERMINED BY THE ENGINEER. THE TOTAL QUANTITY CALCULATED CONSISTS OF 150 FEET OF YELLOW AND 1200 FEET OF WHITE.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 781 OF THE STANDARD SPECIFICATIONS. THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS CONSIST OF 10 TWO-WAY AMBER MARKERS.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDER, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE, OR RAP.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT THE HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THE WORK SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT ITEMS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY DAMAGED UTILITIES AS A RESULT OF WORK IN THE AREA.

ALL EXCAVATION ABOVE THE BOTTOM OF THE RIPRAP EXCAVATION LINE SHALL BE INCLUDED IN THE COST OF STONE RIPRAP, CLASS A4 AND NO ADDITIONAL COMPENSATION WILL BE PERMITTED.

THE EVERGREEN TREES LOCATED ON THE NORTHEAST QUADRANT OF THE EXISTING STRUCTURE SHALL NOT BE DISTURBED DURING CONSTRUCTION OPERATIONS THROUGHOUT THE COURSE OF THE PROJECT.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR Voids	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA BINDER COURSE (VARIABLE DEPTH)	PG 64-22	4.0% @ N=70	IL-19.0	N/A	QC/QA
HMA SURFACE COURSE (2.0")	PG 64-22	4.0% @ N=70	IL-9.5	MIXTURE C	QC/QA
HMA PAVEMENT CONNECTOR	PG 64-22	4.0% @ N=70	IL-19.0	N/A	QC/QA
INCIDENTAL BITUMINOUS SURFACE COURSE	PG 64-22	4.0% @ N=70	IL-9.5	MIXTURE C	QC/QA
HMA SHOULDERS (BOTTOM LIFTS)	PG 64-22	4.0% @ N=70	IL-19.0	N/A	QC/QA
HMA SHOULDERS (TOP LIFT)	PG 64-22	4.0% @ N=70	IL-9.5	MIXTURE C	QC/QA

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE SHOULDERS	2.05 TONS/CU.YD.
HOT-MIX ASPHALT	112 LBS./SQ. YD./INCH

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 PROJECT: 1669
 COUNTY: COLES
 SECTION: (6BR3)BR
 SHEET: 3
 DATE: 10/15/2018

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	3
CONTRACT NO. 74561				
		ILLINOIS	FED. AID PROJECT	

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0013		
20200100	EARTH EXCAVATION	CU YD	20	20		
20400800	FURNISHED EXCAVATION	CU YD	270	270		
20800150	TRENCH BACKFILL	CU YD	5	5		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	80	80		
28000305	TEMPORARY DITCH CHECKS	FOOT	20	20		
28000400	PERIMETER EROSION BARRIER	FOOT	870	870		
28100207	STONE RIPRAP, CLASS A4	TON	70	70		
28200200	FILTER FABRIC	SO YD	130	130		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	10	10		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	720	720		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	70	70		
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	130	130		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10	10		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0013		
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SO YD	70	70		
44000100	PAVEMENT REMOVAL	SO YD	100	100		
44004250	PAVED SHOULDER REMOVAL	SO YD	70	70		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	80	80		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	20	20		
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	1		
50102400	CONCRETE REMOVAL	CU YD	4.1	4.1		
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2		
50105220	PIPE CULVERT REMOVAL	FOOT	140	140		
50300225	CONCRETE STRUCTURES	CU YD	21.2	21.2		
50300260	BRIDGE DECK GROOVING	SO YD	363	363		
50300300	PROTECTIVE COAT	SO YD	363	363		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	88.4	88.4		

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	4
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0013		
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SO FT	1463	1463		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	36300	36300		
50901050	STEEL RAILING, TYPE SM	FOOT	158	158		
51500100	NAME PLATES	EACH	1	1		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2		
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	150	150		
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1		
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	187.5	187.5		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
63200310	GUARDRAIL REMOVAL	FOOT	510	510		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5		
67100100	MOBILIZATION	L SUM	1	1		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0013		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LSUM	1	1		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1350	1350		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	10	10		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	9	9		
X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SO YD	70	70		
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.25	0.25		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1		
X4060995	TEMPORARY RAMP, SPECIAL	SO YD	50	50		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	1160	1160		
X5030305	CONCRETE WEARING SURFACE, 5"	SO YD	163	163		

* SPECIALTY ITEM

REV. - MS

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PLOT DATE = 10/15/2018	CHECKED -	REVISIED -
	DATE -	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

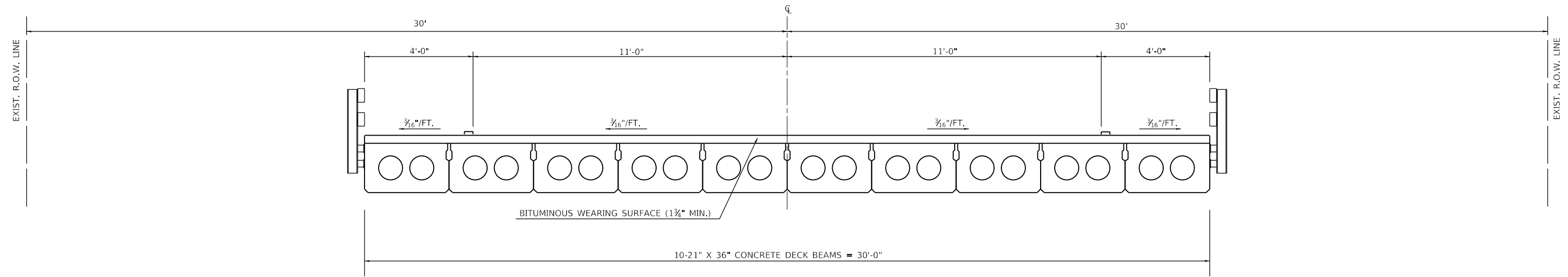
F.A.S. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 5
CONTRACT NO. 74561			ILLINOIS FED. AID PROJECT	

NOTE:

EXISTING APPROACH SLAB
 STA. 294+27.83 - STA. 294+47.83
 STA. 294+99.17 - STA. 295+19.17

EXISTING TYPICAL CROSS SECTION ②

STATION TO STATION
 ① 294 + 09.12 295 + 37.87 ①



NOTE: NOT DRAWN TO SCALE

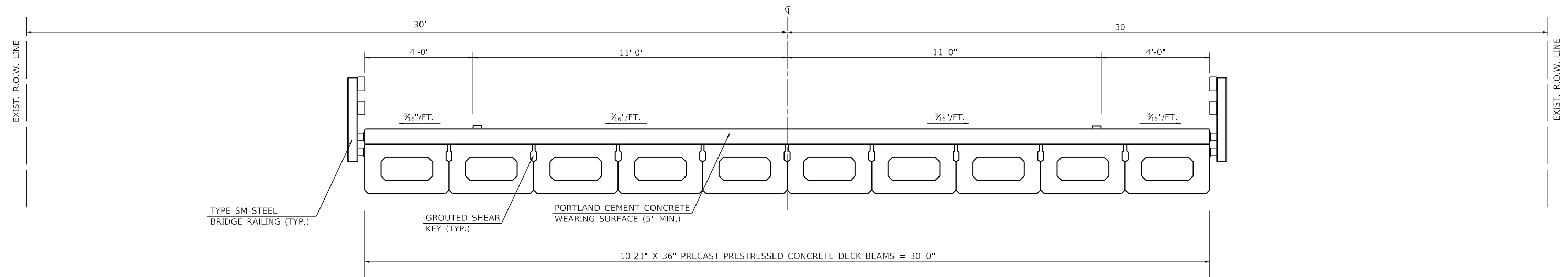
NOTE:

PROPOSED APPROACH SLAB PAVEMENT CONNECTOR (STANDARD 420401):
 STA. 294+09.12 - STA. 294+19.12
 STA. 295+27.87 - STA. 295+37.87

PROPOSED BRIDGE APPROACH PAVEMENT:
 STA. 294+19.12 - STA. 294+49.12
 STA. 294+97.87 - STA. 295+27.87

PROPOSED TYPICAL CROSS SECTION ②

STATION TO STATION
 ① 294 + 09.12 295 + 37.87 ①



NOTE: NOT DRAWN TO SCALE

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PLOT DATE = 10/17/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	8
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

EARTHWORK

LOCATION	EARTH EXCAVATION 20200100 (CU YD)	EMBANKMENT (CU YD) (1)	NEEDED BORROW (FOR INFO ONLY) CU YD (2)	FURNISHED EXCAVATION 20400800 (CU YD)
FAS 1669 LEFT	6.7	142.2	137.2	137.2
FAS 1669 RIGHT	5.1	131.0	127.2	127.2
TOTAL =	11.8			264.4
ROUND TO:	20.0			270.0

NOTES:

- 1- NO SHRINKAGE FACTOR APPLIED TO THE EMBANKMENT QUANTITY
- 2- A 25% EXPANSION FACTOR WAS APPLIED TO THE EXCAVATION QUANTITY
- 3- NO PAYMENT WILL BE ALLOWED FOR OVERHAUL
- 4- EXCAVATION REQUIRED FOR AGGREGATE SHOULDERS IS MEASURED AND PAID FOR AS EARTH EXCAVATION

EROSION CONTROL

STATION	OFFSET	TO	STATION	OFFSET	LENGTH	PERIMETER EROSION BARRIER 28000400 (FOOT)
292+00	29.5' LT.		293+00	29.5' LT.	100.0	100.0
293+00	29.5' LT.		293+25	39.5' LT.	27.0	27.0
293+00	39.5' LT.		294+55	39.5' LT.	155.0	155.0
294+55	39.5' LT.		294+55	22.0' LT.	17.5	17.5
294+90	39.5' LT.		294+90	24.5' LT	15.0	15.0
294+90	24.5' LT.		296+00	32.3' LT.	110.0	110.0
292+50	29.5' RT.		293+00	29.5' RT.	50.0	50.0
293+00	29.5' RT.		293+25	39.5' RT.	27.0	27.0
293+25	39.5' RT.		294+55	39.5' RT.	130.0	130.0
294+55	39.5' RT.		294+55	23.0' RT.	16.5	16.5
294+90	20.5' RT.		294+90	30.0' RT.	9.5	9.5
294+90	30.0' RT.		295+00	32.5' RT.	10.5	10.5
295+00	32.5' RT.		295+20	30.0' RT.	20.5	20.5
295+20	30.0' RT.		297+00	30.0' RT.	180.0	180.0
GRAND TOTAL =						868.5
ROUND TO:						870.0

STATION	LT/RT	LENGTH (FOOT)	TEMPORARY DITCH CHECKS 28000305 (FOOT)
293+75.00	LT	10.0	10.0
296+00.00	RT	10.0	10.0
TOTAL =			20.0

LOCATION	AREA (SQ FT)	AREA (ACRE)	NUMBER OF APPLICATIONS	TEMPORARY EROSION CONTROL SEEDING 28000250 (POUND)
FAS 1669 LEFT	5,411.9	0.12	3	37.3
FAS 1669 RIGHT	5,461.5	0.13	3	37.6
TOTAL =				74.9
ROUND TO:				80.0

SEEDING

LOCATION	SEEDING AREA (SQ FT)	SEEDING AREA (ACRE)	NITROGEN QUANTITY NEEDED (LB)	PHOSPHORUS QUANTITY NEEDED (LB)	POTASSIUM QUANTITY NEEDED (LB)	AGRICULTURAL GROUND LIMESTONE QUANTITY NEEDED (TON)	MULCH QUANTITY NEEDED (TON)	SEEDING CLASS 2 (SPECIAL) X2501000 (ACRE)
FAS 1669 LEFT	5,411.9	0.12	11.2	11.2	11.2	0.50	0.25	0.12
FAS 1669 RIGHT	5,461.5	0.13	11.3	11.3	11.3	0.50	0.25	0.13
TOTAL =								0.25
ROUND TO:								0.25

* - FOR INFORMATION ONLY

CHANGEABLE MESSAGE SIGN

LOCATION	CHANGEABLE MESSAGE SIGN X7015005 (CAL DA)	
FAS 1669 EB	14.0	
FAS 1669 WB	14.0	
TOTAL =		28.0

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	9
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

SURFACE REMOVAL

STATION	TO	STATION	WIDTH (FOOT)	LENGTH (FOOT)	AREA (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH X4401198 (SQ YD)	PAVEMENT REMOVAL 44000100 (SQ YD)
291+75.00		292+75.00	22.00	100.00	244.4	244.4	
292+75.00		294+09.12	22.00	134.12	327.8	327.8	
294+09.12		294+28.21	22.00	19.09	46.7		46.7
295+18.80		295+37.87	22.00	19.07	46.6		46.6
295+37.87		296+40.00	22.00	102.13	249.7	249.7	
296+40.00		297+75.00	22.00	135.00	330.0	330.0	
TOTAL =						1,151.9	93.3
ROUND TO:						1,160.0	100.0

PAVED SHOULDER REMOVAL

LT/RT	STATION	TO	STATION	WIDTH (FOOT)	LENGTH (FOOT)	AREA (SQ YD)	PAVED SHOULDER REMOVAL 44004250 (SQ YD)
LT	294+09.12		294+28.21	4.00	19.09	8.5	8.5
LT	294+28.21		294+49.12	3.00	20.91	7.0	7.0
LT	294+97.87		295+18.80	3.00	20.93	7.0	7.0
LT	295+18.80		295+37.87	4.00	19.07	8.5	8.5
RT	294+09.12		294+28.21	4.00	19.09	8.5	8.5
RT	294+28.21		294+49.12	3.00	20.91	7.0	7.0
RT	294+97.87		295+18.80	3.00	20.93	7.0	7.0
RT	295+18.80		295+37.87	4.00	19.07	8.5	8.5
TOTAL =							61.8
ROUND TO:							70.0

HOT-MIX ASPHALT

STATION	TO	STATION	LT/RT	LENGTH (FOOT)	AVG. WIDTH (FOOT)	AREA (SQ FT)	AREA (SQ YD)	HOT MIX ASPHALT SURFACE COURSE THICKNESS (INCH)	HOT MIX ASPHALT BINDER COURSE THICKNESS (INCH)	HOT MIX ASPHALT SHOULDER THICKNESS (INCH)	1ST LIFT	2ND LIFT	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 (TON)	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB (SQ YD)	HOT-MIX ASPHALT SHOULDERS (TON)
											BITUMINOUS MATERIALS (TACK COAT) 40600290 (POUND)					
MAINLINE																
291+75.00		292+75.00	----	100.0	22.0	2,200.0	244.4	2.00			110.0			27.4		
292+75.00		294+09.12	----	134.1	22.0	2,950.6	327.8	2.00	2.13		147.5	73.8	39.11	36.7		
294+09.12		294+19.12	----	10.0	30.0	300.0	33.3								33.3	
295+27.87		295+37.87	----	10.0	30.0	300.0	33.3								33.3	
295+37.87		296+40.00	----	102.1	22.0	2,246.9	249.7	2.00	1.50		112.3	56.2	20.97	28.0		
296+40.00		297+75.00	----	135.0	22.0	2,970.0	330.0	2.00			148.5			37.0		
SHOULDERS																
293+50.00		294+09.12	LT	59.1	4.0	236.5	26.3			2.88	11.8	5.9				4.2
295+37.87		295+97.00	LT	59.1	4.0	236.5	26.3			2.25	11.8	5.9				3.3
293+50.00		294+09.12	RT	59.1	4.0	236.5	26.3			2.88	11.8	5.9				4.2
295+37.87		295+97.00	RT	59.1	4.0	236.5	26.3			2.25	11.8	5.9				3.3
SUB TOTAL =											565.7	153.6				
TOTAL =											719.3		60.1	129.0	66.7	15.1
ROUND TO:											720.0		70.0	130.0	70.0	20.0

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	DRAWN -	REVISED -
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PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	10
CONTRACT NO. 74561				
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

STORM SEWERS

LT/RT	STATION	TO	STATION	LENGTH (FOOT)	STORM SEWERS, CLASS A, TYPE 1 18" 550A0090 (FOOT)
LT	296+69.74		297+50.89	81.15	81.15
LT	297+53.01		298+17.77	64.76	64.76
				TOTAL =	145.91
				ROUND TO:	150.0

OFFSET	STATION	INLETS, TYPE B, TYPE B GRATE 60240301 (EACH)
24.0' LT	297+52.00	1
TOTAL =		1

LT/RT	STATION	TO	STATION	LENGTH (FOOT)	TRENCH BACKFILL 20800150 (CU YD)
LT	296+87.50		297+05.50	18.0	3.6
				TOTAL =	3.6
				ROUND TO:	5.0

OFFSET	STATION	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18" 54213663 (EACH)
24.0' LT	296+69.74	1
24.0' LT	298+17.77	1
TOTAL =		2

PIPE CULVERT REMOVAL

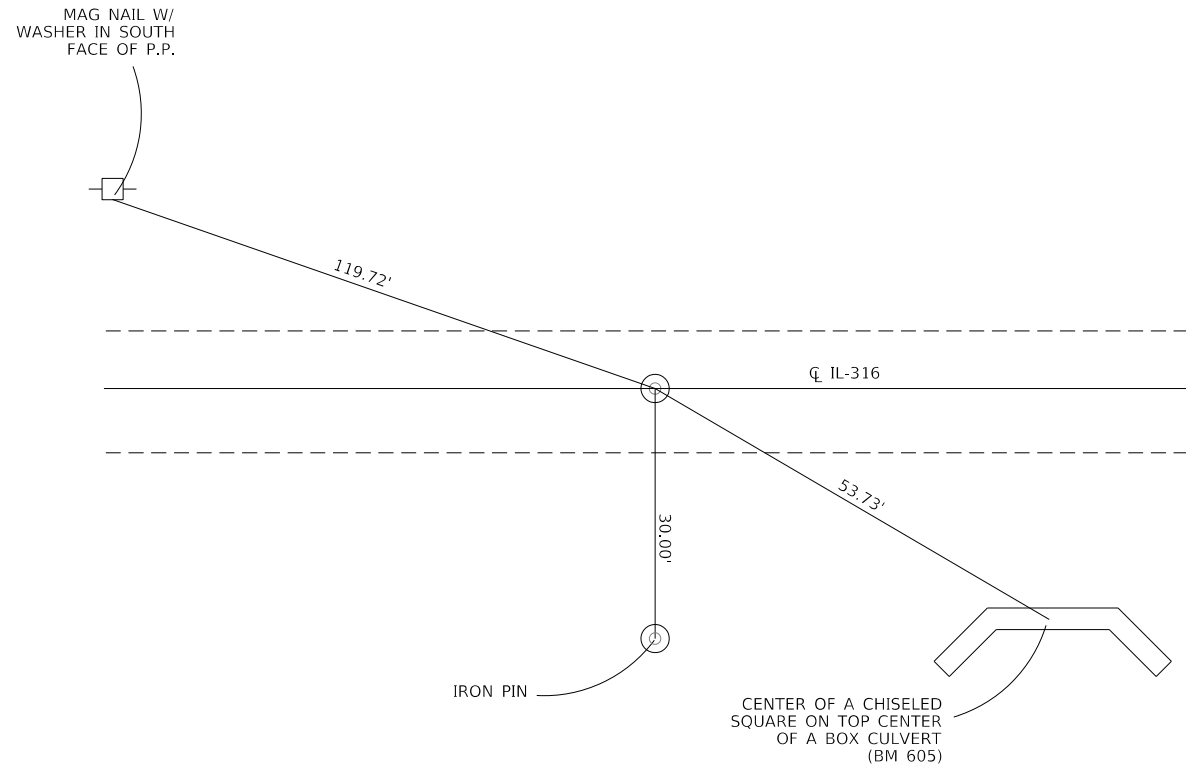
LT/RT	STATION	TO	STATION	LENGTH (FOOT)	PIPE CULVERT REMOVAL 50105220 (FOOT)
LT	296+84.48		298+17.77	133.3	133.3
				TOTAL =	133.3
				ROUND TO:	140.0

LT/RT	STATION	CONCRETE HEADWALL REMOVAL 50104400 (EACH)
LT	296+84.48	1
LT	298+17.77	1
TOTAL =		2

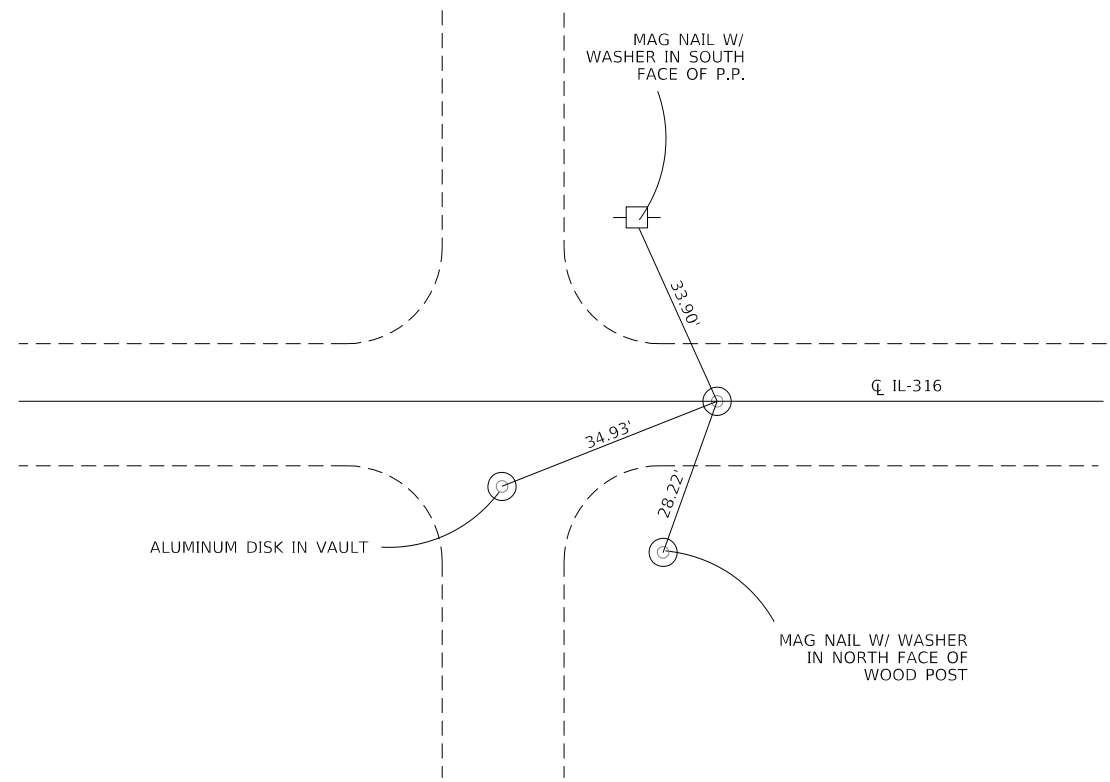
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	USER NAME = steffenmk DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.	F.A.S. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 1669 (6BR3)BR COLES 48 12 CONTRACT NO. 74561
ILLINOIS FED. AID PROJECT						

P.O.T. STA. 280 + 02.72



P.I. 311 + 88.46 BK. = 311 + 92.36 AH.



BENCH MARK	ELEV	STATION	OFFSET	DESCRIPTION
BM 605	654.451	280+50	23' RT.	CHISELED SQUARE ON THE TOP CENTER OF A BOX CULVERT 23' SOUTH OF IL 316 3100' WEST OF TR 1100E
GPS 0070	663.904	292+20	67' RT.	PSM STAMPED GPS 0070 FROM COLES COUNTY HIGHWAY DEPARTMENT 67' SOUTH OF IL 316 250' WEST OF A BRIDGE S.N. 015-0070
BM 606	657.663	295+00	16' LT.	PSM IN THE NORTHEAST ABUTMENTS OF A BRIDGE S.N. 015-0070
BM 607	657.674	299+70	16' RT.	CHISELED SQUARE ON THE SOUTHWEST CORNER OF THE SOUTH HEADWALL OF A PIPE CULVERT 16' SOUTH OF IL 316 500' EAST OF A BRIDGE S.N. 015-0070
BM 608	667.931	321+40	28' LT.	RAILROAD SPIKE IN A POWER POLE ON THE SOUTH SIDE OF THE OLD LANDFILL 28' NORTH OF IL 316 900' EAST OF TR 1100E (LOXA ROAD)

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 USER: steffemk
 DATE: 10/15/2018

USER NAME = steffemk	DESIGNED -	REVISED -
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	DATE -	REVISED -

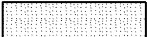


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TIES AND BENCHMARKS

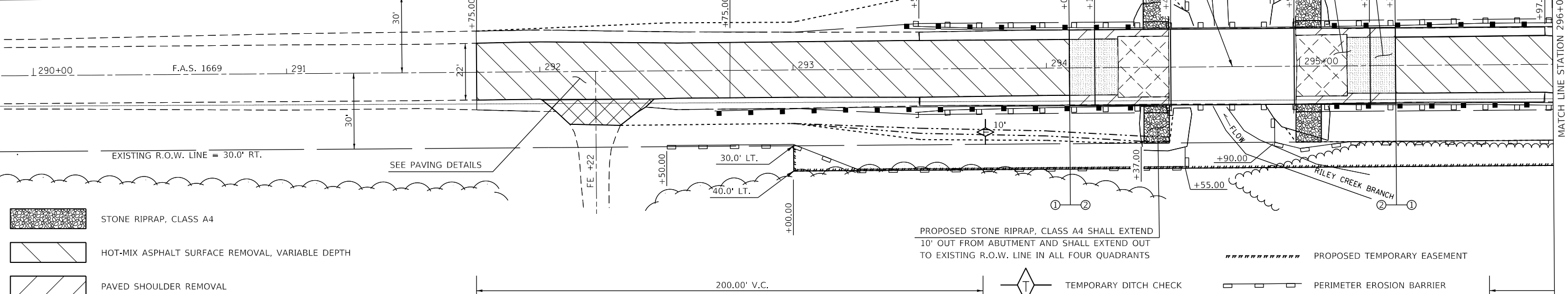
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.




F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	14
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

BENCHMARK: BRASS DISK ON NORTHEAST WINGWALL OF S.N. 015-0070
STATION 295+00, 16' LEFT, ELEVATION 657.663

-  PAVEMENT REMOVAL
-  APPROACH SLAB REMOVAL
-  SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)

EXISTING R.O.W. LINE = 30.0' LT.

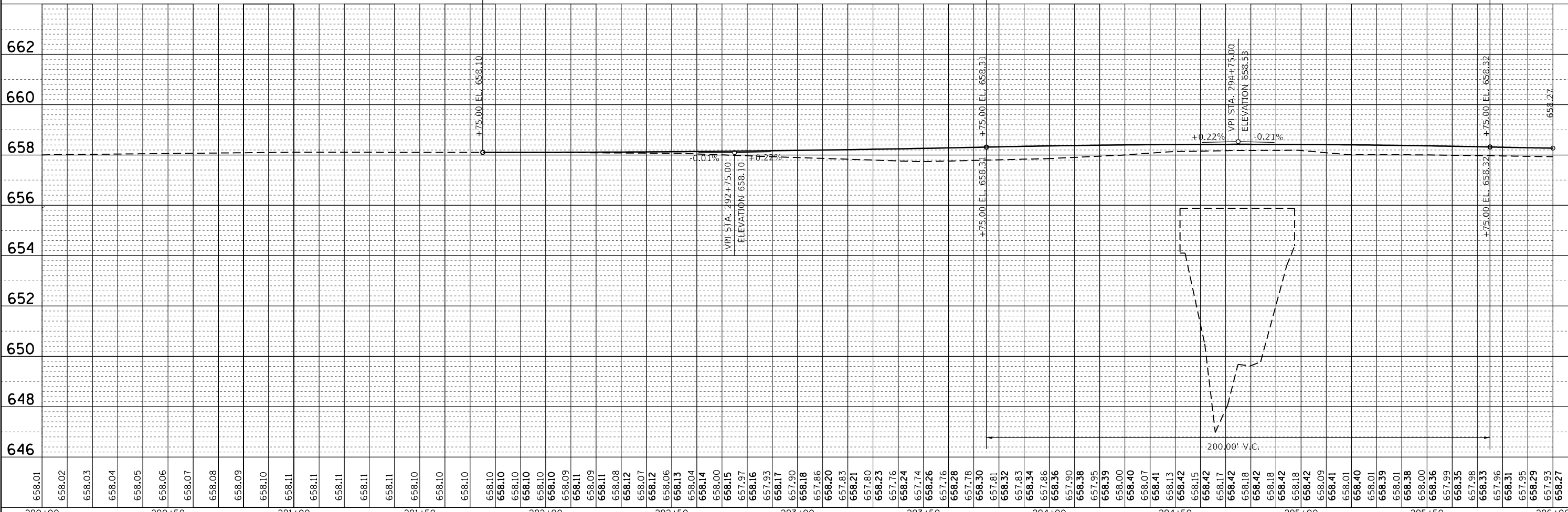


-  STONE RIPRAP, CLASS A4
-  HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
-  PAVED SHOULDER REMOVAL

PROPOSED STONE RIPRAP, CLASS A4 SHALL EXTEND 10' OUT FROM ABUTMENT AND SHALL EXTEND OUT TO EXISTING R.O.W. LINE IN ALL FOUR QUADRANTS

 PROPOSED TEMPORARY EASEMENT

 PERIMETER EROSION BARRIER



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

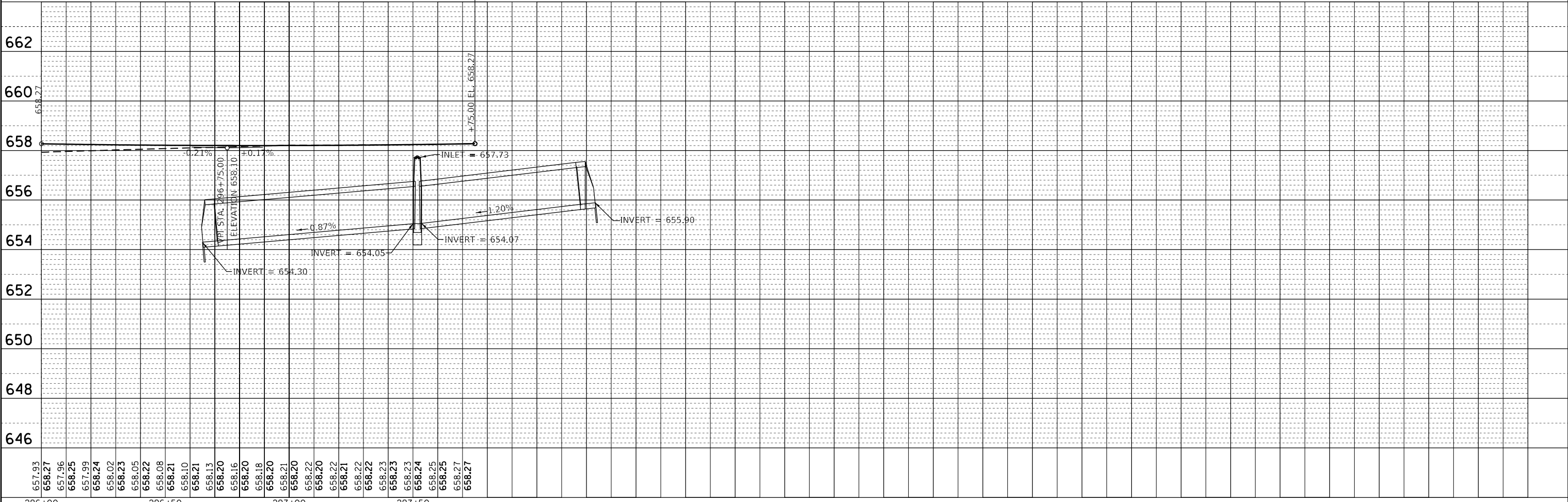
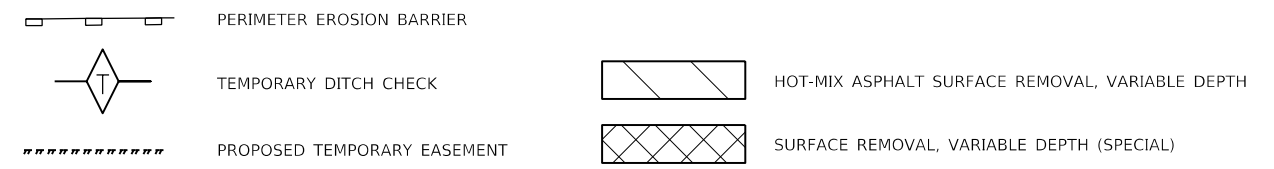
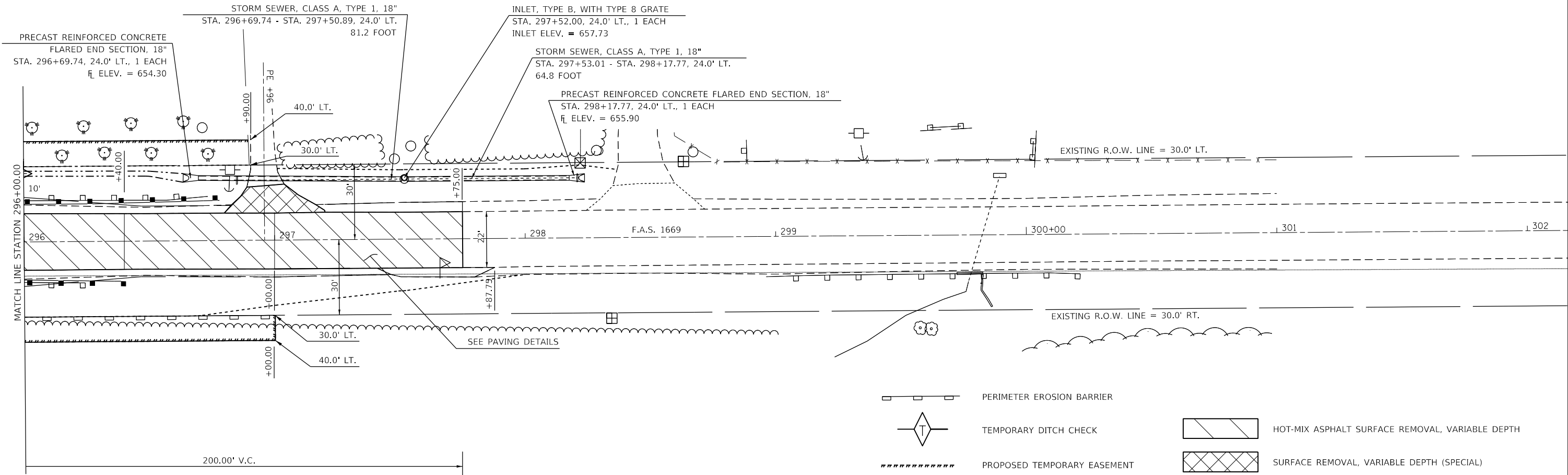
PLAN & PROFILE	
STRUCTURE 015-0070	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 15
CONTRACT NO. 74561			ILLINOIS FED. AID PROJECT	

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	PLOTTED	BY
	ALIGNMENT CHECKED	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
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	STRUCTURE NOTATION	
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USER NAME =	steffenmk	DESIGNED -	REVISION -
		DRAWN -	REVISION -
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PLOT DATE =	10/15/2018	DATE -	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE
STRUCTURE 015-0070**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	16
CONTRACT NO. 74561				
ILLINOIS		FED. AID PROJECT		

Benchmark: Brass disk on northeast wingwall Sta. 295+00
 offset 16' left, elevation 657.663.
 Permanent marker (GPS 0070) 250' west of bridge Sta.
 292+20 offset 67' right, elevation 663.904.

Existing structure: S.N. 015-0070 built in 1986 as F.A.S. Route 1669,
 Section 6BR-3 at Sta. 294+73.5 as a single span precast prestressed
 concrete deck beam bridge. Back-to-back of abutment length is 51'-4"
 supported on steel H-piles. Repairs were made in 2008 which replaced
 the bituminous wearing surface and waterproofing membrane. Bridge
 will be closed during construction.

Salvage: None.

DESIGN SPECIFICATIONS
 2014 AASHTO LRFD Bridge Design Specifications,
 7th Edition with 2015 and 2016 Interims
 1995 FHWA Seismic Retrofit Manual

DESIGN STRESSES

FIELD UNITS (NEW CONST.)

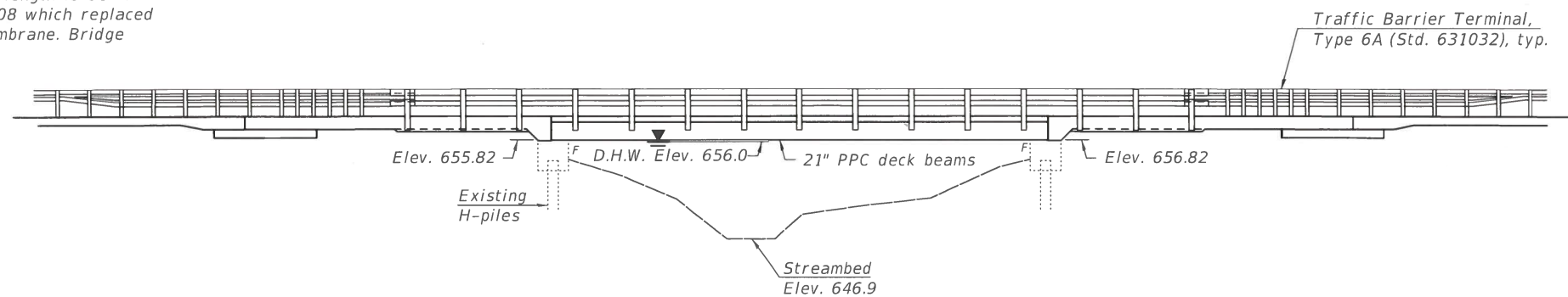
- f'c = 3,500 psi (Substructure)
- f'c = 4,000 psi (Approaches)
- f'c = 5,000 psi (Concrete Wearing Surface)

FIELD UNITS (EXISTING CONST.)

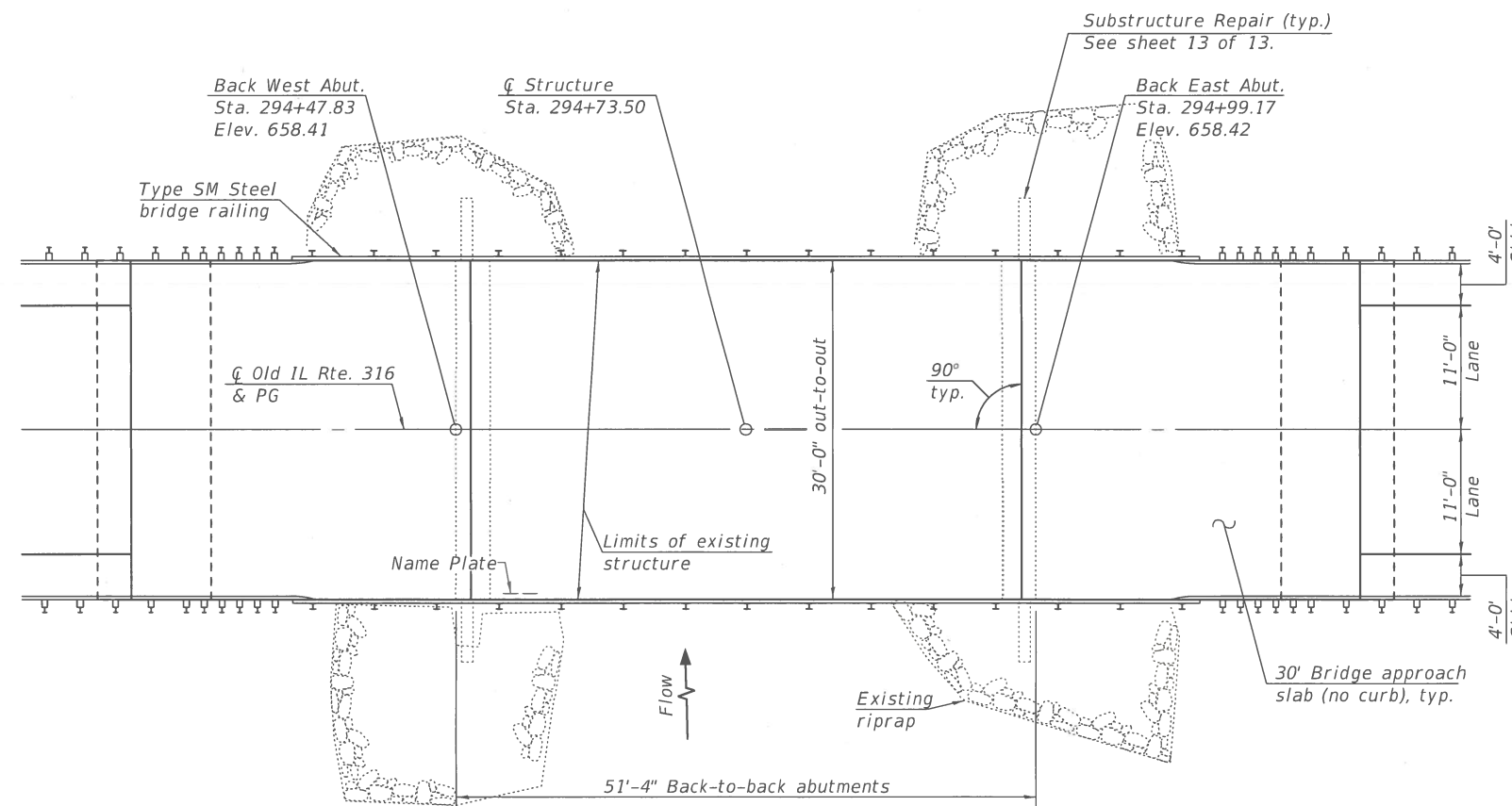
- f'c = 3,500 psi
- fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

- f'c = 6,000 psi
- f'ci = 5,000 psi
- fpu = 270,000 psi (1/2" Ø Low Lax Strands)
- fpbt = 201,960 psi (1/2" Ø Low Lax Strands)



ELEVATION



PLAN

LOADING HL-93 (NEW CONST.)

HS-20-44 (EXIST. CONST.)

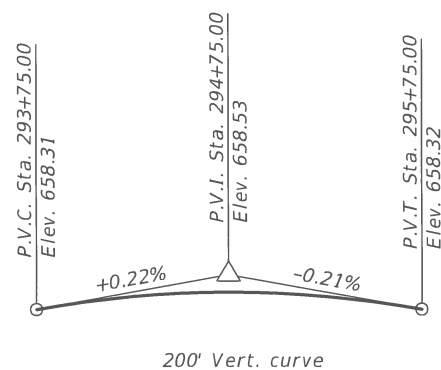
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Horizontal bedrock acceleration coefficient = 0.06g
 Site Coefficient (S) = 1.5

DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)		
	W. Abut.	E. Abut.	Item 113
Q100	652.82	652.82	8
Q200	652.82	652.82	
Design	652.82	652.82	
Check	652.82	652.82	



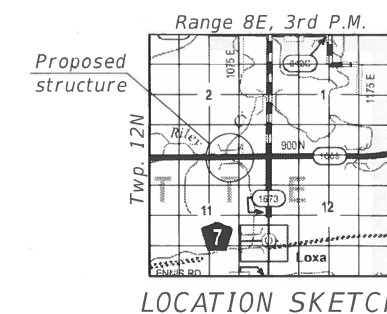
PROFILE GRADE

(Along Old IL Rte. 316)

WATERWAY INFORMATION

Existing Overtopping Elev. 657.73 @ Sta. 293+50
 Proposed Overtopping Elev. 657.98 @ Sta. 287+00
 Drainage Area = 2.6 sq. mi.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	H.W.E. Prop.	Exist.	Prop.	
Design	10	675	184	184	654.7	0.5	0.5	655.2	655.2
Base	50	1100	240	240	656.0	0.5	0.5	656.5	656.5
Overtopping Existing	100	1290	240	240	656.5	0.7	0.7	657.2	657.2
Overtopping Proposed	200	1492	240		656.9	0.9		657.8	
	260	1563		240	657.0	1.0		658.0	



INDEX OF SHEETS

- 1 - General Plan and Elevation
- 2 - General Data
- 3 - Top of Slab Elevations
- 4-5 - Top of Approach Slab Elevations
- 6-7 - Superstructure Details
- 8-9 - 21" x 36" PPC Deck Beam Details
- 10-11 - Bridge Approach Slab Details
- 12 - Steel Railing, Type SM
- 13 - Concrete Removal at Abutment & Wingwall Repairs

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.
 The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

STATION 294+73.50
 REBUILT 20 BY
 STATE OF ILLINOIS
 F.A.S. RTE. 1669 - SEC. (6BR3)BR
 LOADING HL-93
 STRUCTURE NO. 015-0070

NAME PLATE
 See Std. 515001

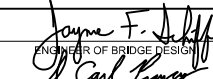
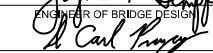
Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		4.1	4.1
Concrete Structures	Cu. Yd.		21.2	21.2
Bridge Deck Grooving	Sq. Yd.	363		363
Protective Coat	Sq. Yd.	363		363
Concrete Superstructure (Approach Slab)	Cu. Yd.	88.4		88.4
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1,463		1,463
Reinforcement Bars, Epoxy Coated	Pound	36,300		36,300
Steel Railing, Type SM	Foot	158		158
Name Plates	Each	1		1
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		1.8	1.8
Concrete Wearing Surface, 5"	Sq. Yd.	163		163

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DESIGNED - HAREEM I. DAR	EXAMINED
CHECKED - CORY KOLTVIEIT	
DRAWN - JEREMY WALKER	PASSED
CHECKED - HID / CDK / GRA	


 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 7, 2018	REVISED -
	REVISED -

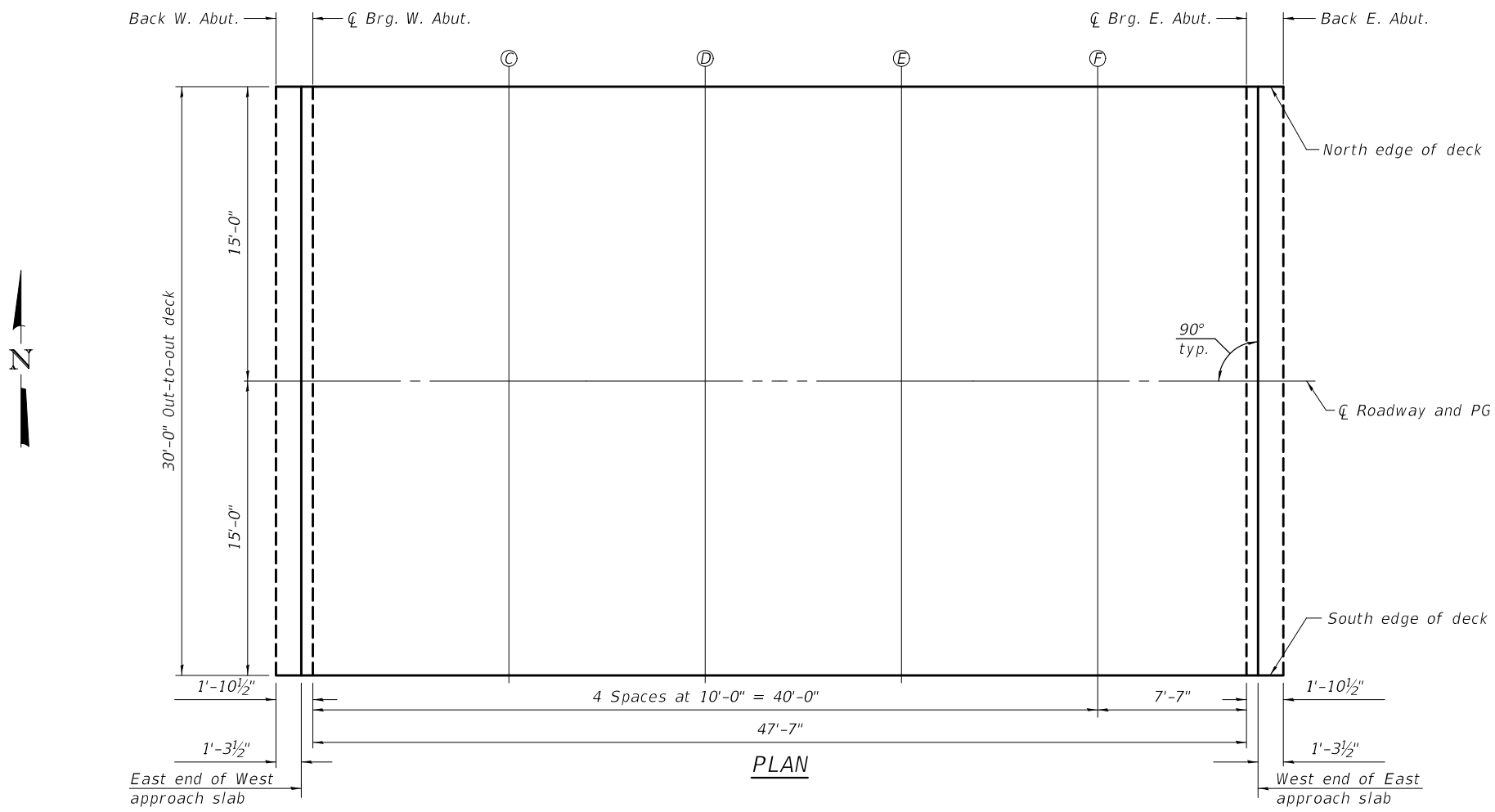
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 015 - 0070**

SHEET 2 OF 13 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	19
CONTRACT NO. 74561				
ILLINOIS		FED. AID PROJECT		

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NORTH EDGE OF DECK

Location	Station	Offset	Theoretical Grade Elevations
Bk. W. Abut.	294+47.83	-15.00	658.18
E. End W. Appr.	294+49.12	-15.00	658.18
C̄ Brg. W. Abut.	294+49.70	-15.00	658.18
C	294+59.70	-15.00	658.18
D	294+69.70	-15.00	658.19
E	294+79.70	-15.00	658.19
F	294+89.70	-15.00	658.19
C̄ Brg. E. Abut.	294+97.29	-15.00	658.18
W. End E. Appr.	294+97.87	-15.00	658.18
Bk. E. Abut.	294+99.17	-15.00	658.18

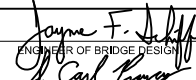

C̄ ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations
Bk. W. Abut.	294+47.83	0.00	658.41
E. End W. Appr.	294+49.12	0.00	658.41
C̄ Brg. W. Abut.	294+49.70	0.00	658.41
C	294+59.70	0.00	658.42
D	294+69.70	0.00	658.42
E	294+79.70	0.00	658.42
F	294+89.70	0.00	658.42
C̄ Brg. E. Abut.	294+97.29	0.00	658.42
W. End E. Appr.	294+97.87	0.00	658.42
Bk. E. Abut.	294+99.17	0.00	658.42

SOUTH EDGE OF DECK

Location	Station	Offset	Theoretical Grade Elevations
Bk. W. Abut.	294+47.83	15.00	658.18
E. End W. Appr.	294+49.12	15.00	658.18
C̄ Brg. W. Abut.	294+49.70	15.00	658.18
C	294+59.70	15.00	658.18
D	294+69.70	15.00	658.19
E	294+79.70	15.00	658.19
F	294+89.70	15.00	658.19
C̄ Brg. E. Abut.	294+97.29	15.00	658.18
W. End E. Appr.	294+97.87	15.00	658.18
Bk. E. Abut.	294+99.17	15.00	658.18

DESIGNED - HAREEM I. DAR	EXAMINED
CHECKED - CORY KOLTVEIT	PASSED
DRAWN - JEREMY WALKER	
CHECKED - HID / CDK / GRA	


 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 7, 2018
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 015 - 0070
 SHEET 3 OF 13 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	20
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

NORTH EDGE OF SHOULDER

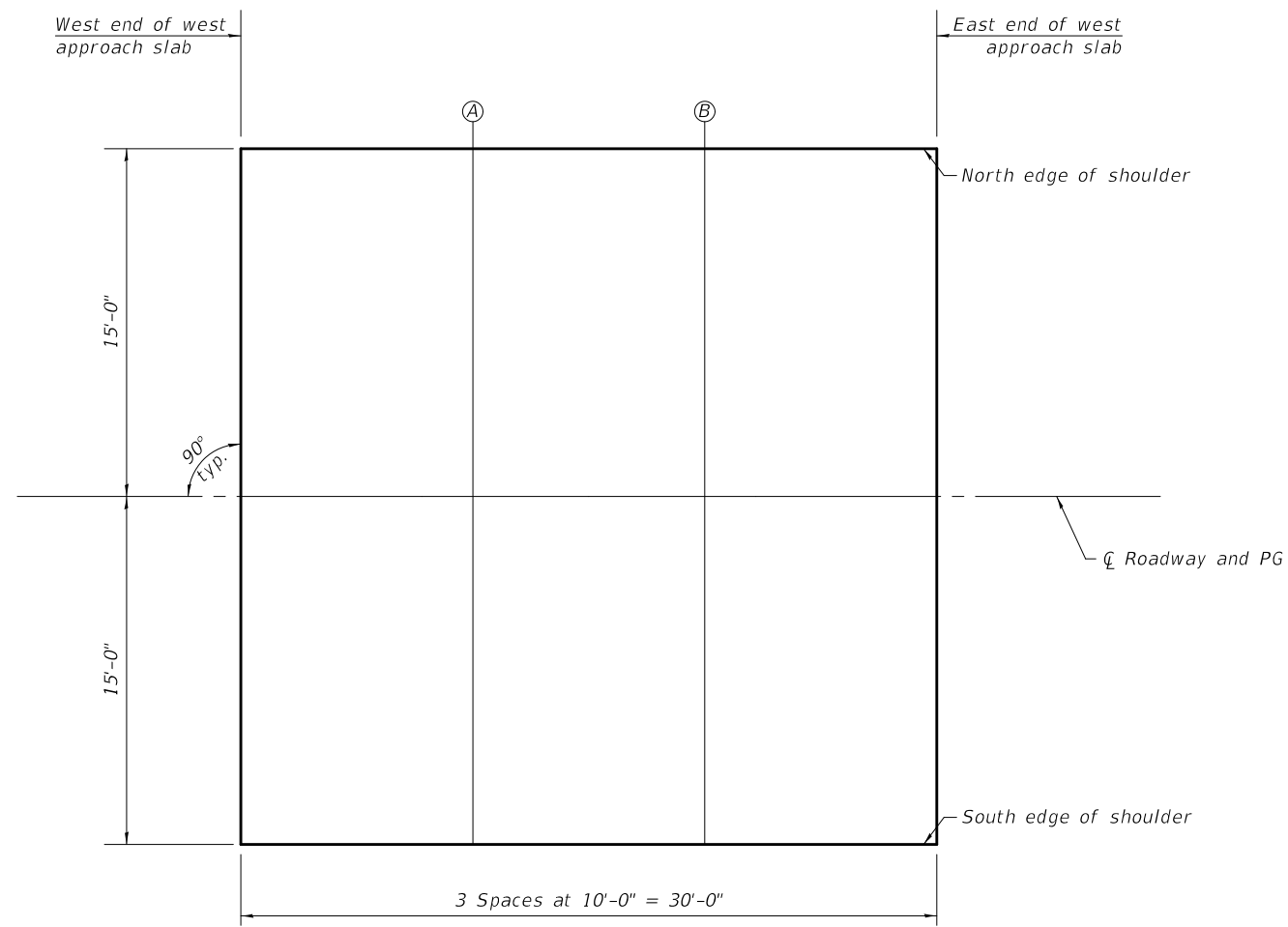
Location	Station	Offset	Theoretical Grade Elevations
West End of W. Appr. Slab	294+19.12	-15.00	658.15
A	294+29.12	-15.00	658.16
B	294+39.12	-15.00	658.17
East End of W. Appr. Slab	294+49.12	-15.00	658.18

CL ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations
West End of W. Appr. Slab	294+19.12	0.00	658.39
A	294+29.12	0.00	658.40
B	294+39.12	0.00	658.41
East End of W. Appr. Slab	294+49.12	0.00	658.41

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End of W. Appr. Slab	294+19.12	15.00	658.15
A	294+29.12	15.00	658.16
B	294+39.12	15.00	658.17
East End of W. Appr. Slab	294+49.12	15.00	658.18



PLAN

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DESIGNED - HAREEM I. DAR	EXAMINED
CHECKED - CORY KOLTVIEIT	PASSED
DRAWN - JEREMY WALKER	
CHECKED - HID / CDK / GRA	

DATE - DECEMBER 7, 2018
 ENGINEER OF BRIDGE DESIGN
 ENGINEER OF BRIDGES AND STRUCTURES

REVISER	DATE
REVISION	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF WEST BRIDGE APPROACH SLAB ELEVATIONS
 STRUCTURE NO. 015 - 0070

SHEET 4 OF 13 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	21
CONTRACT NO. 74561				
ILLINOIS		FED. AID PROJECT		

NORTH EDGE OF SHOULDER

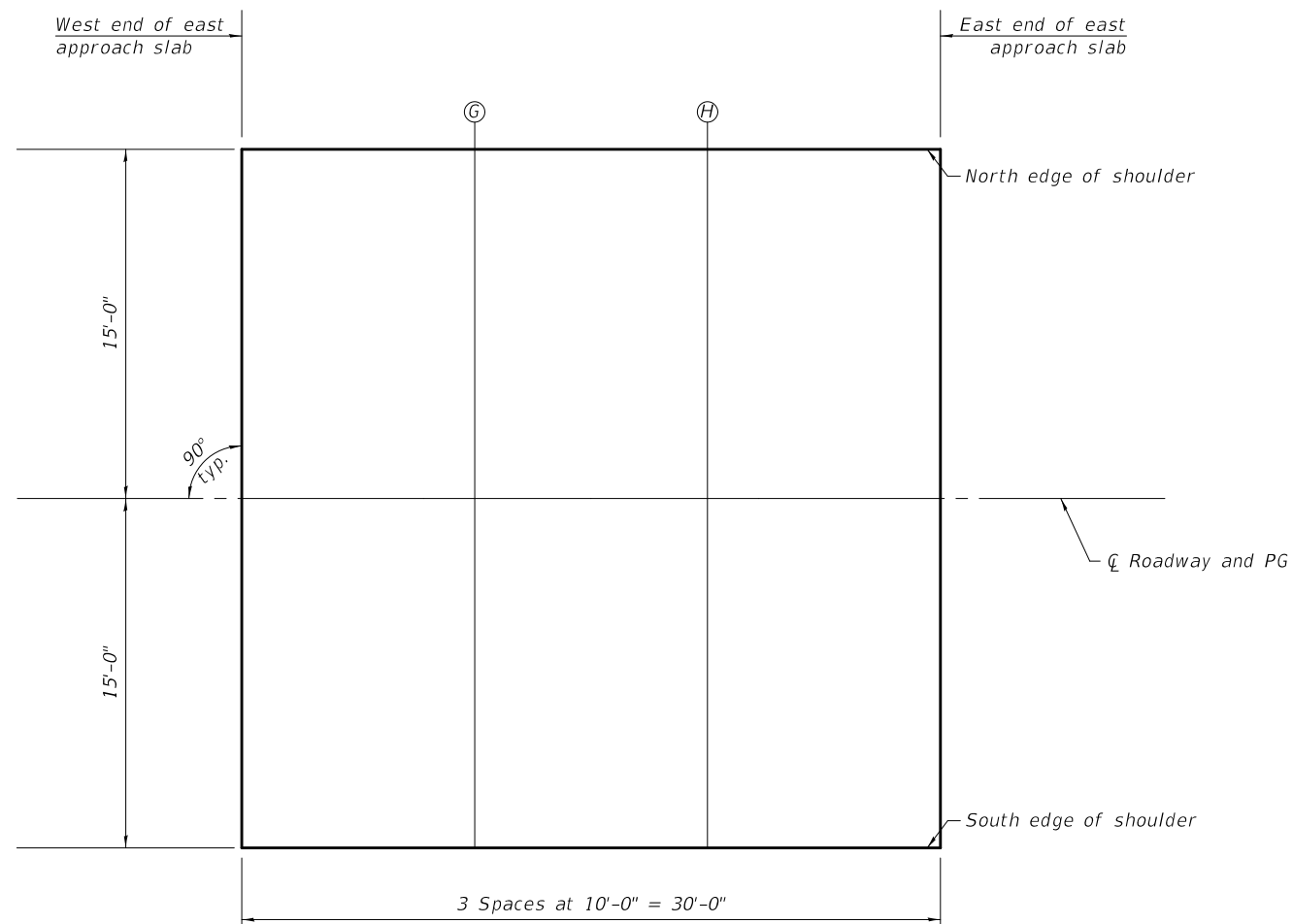
Location	Station	Offset	Theoretical Grade Elevations
West End of E. Appr. Slab	294+97.87	-15.00	658.18
G	295+07.87	-15.00	658.18
H	295+17.87	-15.00	658.17
East End of E. Appr. Slab	295+27.87	-15.00	658.16

CL ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations
West End of E. Appr. Slab	294+97.87	0.00	658.42
G	295+07.87	0.00	658.41
H	295+17.87	0.00	658.40
East End of E. Appr. Slab	295+27.87	0.00	658.40

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End of E. Appr. Slab	294+97.87	15.00	658.18
G	295+07.87	15.00	658.18
H	295+17.87	15.00	658.17
East End of E. Appr. Slab	295+27.87	15.00	658.16



PLAN

MODEL: 0150070-74561-005
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DESIGNED - HAREEM I. DAR	EXAMINED
CHECKED - CORY KOLTVJEIT	PASSED
DRAWN - JEREMY WALKER	
CHECKED - HID / CDK / GRA	

ENGINEER OF BRIDGE DESIGN

ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 7, 2018
REVISED -
REVISED -

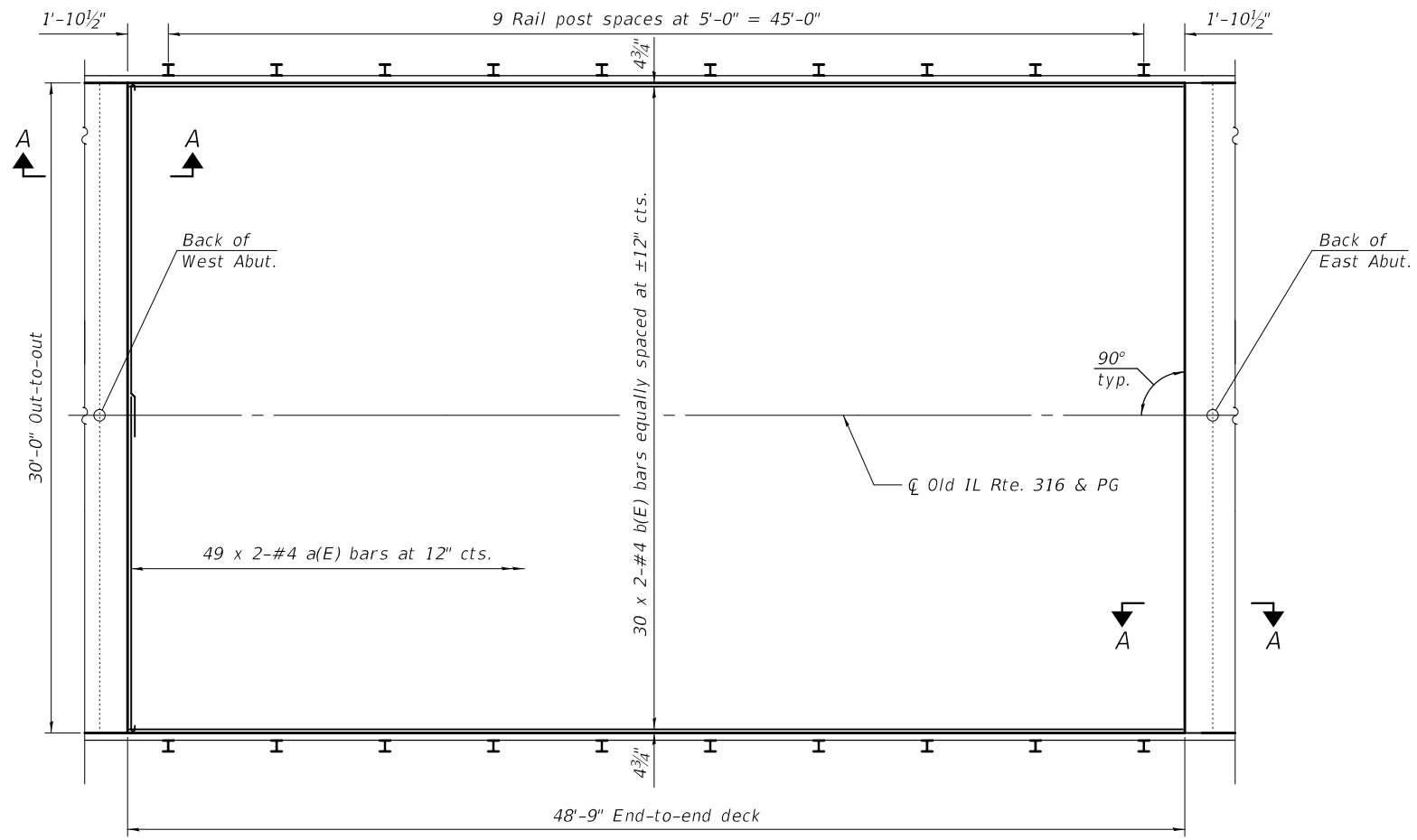
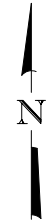
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF EAST BRIDGE APPROACH SLAB ELEVATIONS
 STRUCTURE NO. 015 - 0070**

SHEET 5 OF 13 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	22
CONTRACT NO. 74561				
ILLINOIS		FED. AID PROJECT		

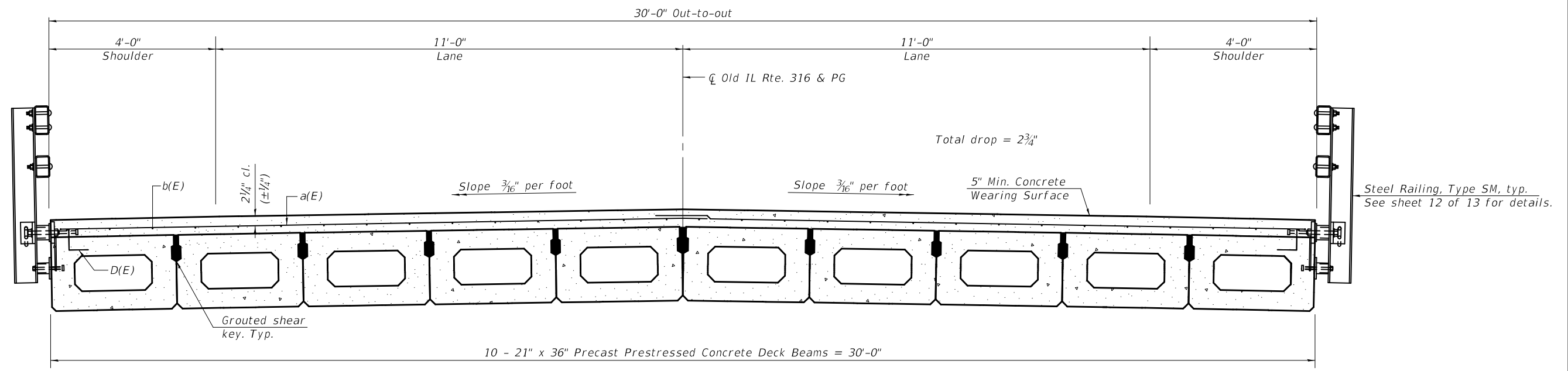
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PLAN

Notes:
 See sheet 7 of 13 for Section A-A, additional superstructure details, and Bill of Material.
 Bars indicated thus, 30 x 2-#4 etc. indicates 30 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
 #4 bar = 2'-2"



CROSS SECTION
 (Looking East)

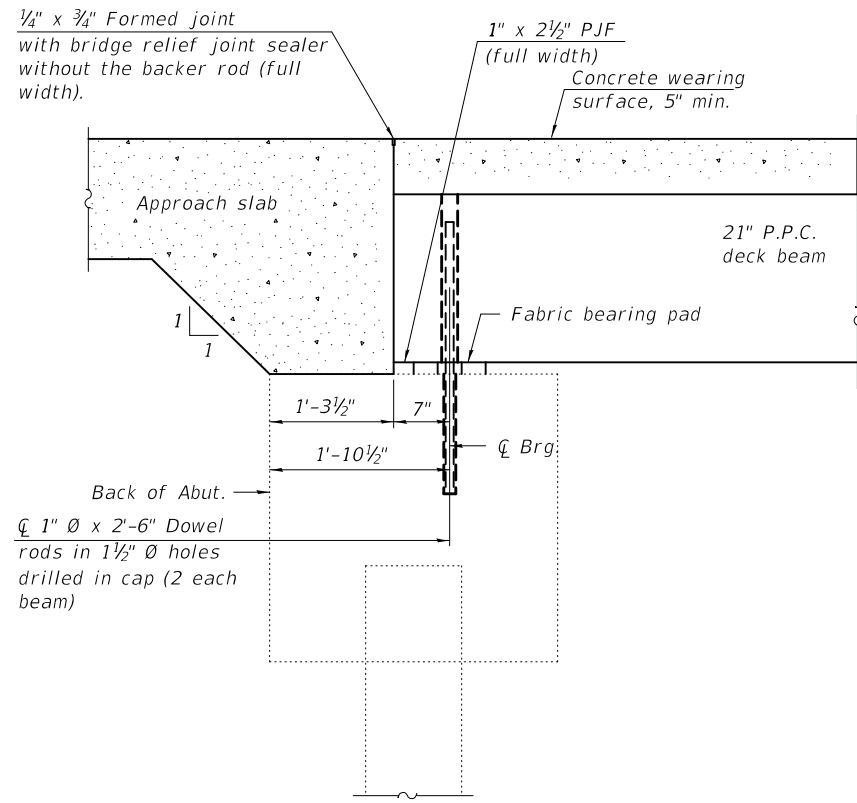
DESIGNED - HAREEM I. DAR	EXAMINED - <i>Joanne F. J. [Signature]</i>	DATE - DECEMBER 7, 2018
CHECKED - CORY KOLTVEIT	PASSED - <i>Carl [Signature]</i>	REVISER -
DRAWN - JEREMY WALKER	ENGINEER OF BRIDGE DESIGN	REVISER -
CHECKED - HID / CDK / GRA	ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

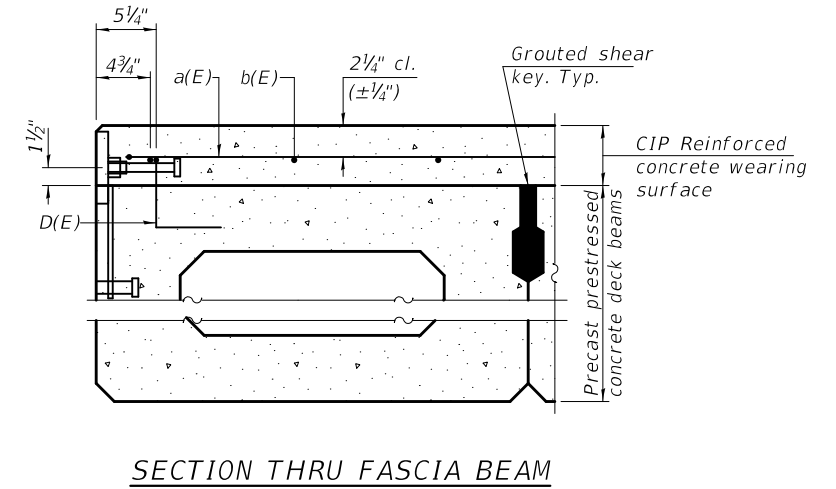
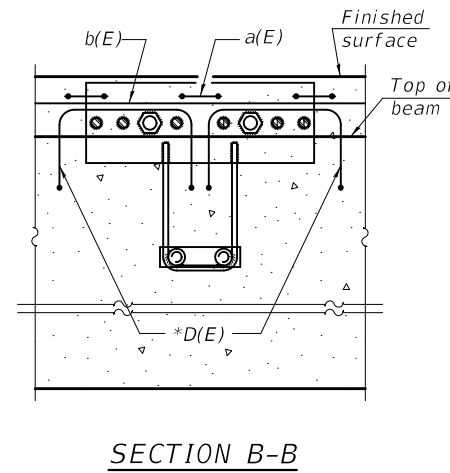
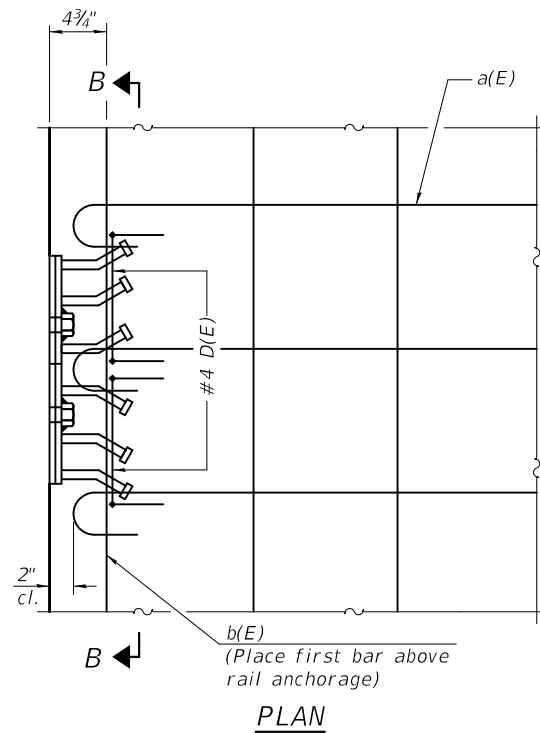
SUPERSTRUCTURE
STRUCTURE NO. 015 - 0070

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	23
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

SHEET 6 OF 13 SHEETS



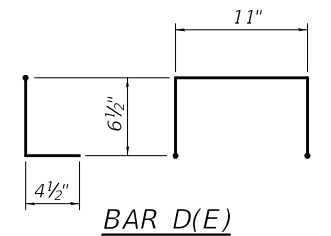
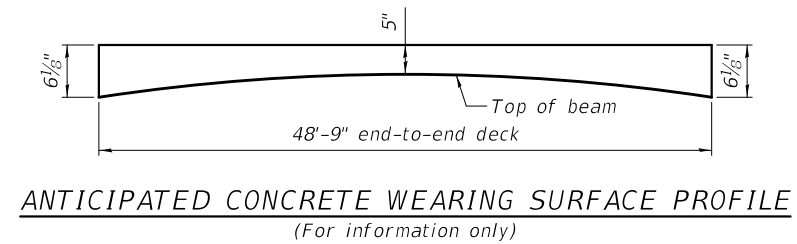
SECTION A-A



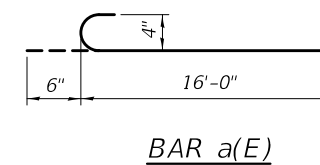
SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	98	#4	16'-6"	⌒
b(E)	60	#4	25'-5"	—
Reinforcement Bars, Epoxy Coated			Pound	2,100
Concrete Wearing Surface, 5"			Sq. Yd.	163

Notes:
Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam.
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet 9 of 13 for fabric bearing pad details.



* Place 2-#4 D(E) bars in beam at each post location as shown. D(E) bar included in cost of beam.



MODEL: 0150070-74561-007
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DESIGNED - HAREEM I. DAR
CHECKED - CORY KOLTVEIT
DRAWN - JEREMY WALKER
CHECKED - HID / CDK / GRA

EXAMINED
PASSED

Joyme F. Joffe
ENGINEER OF BRIDGE DESIGN
Carl Kreyer
ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 7, 2018

REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

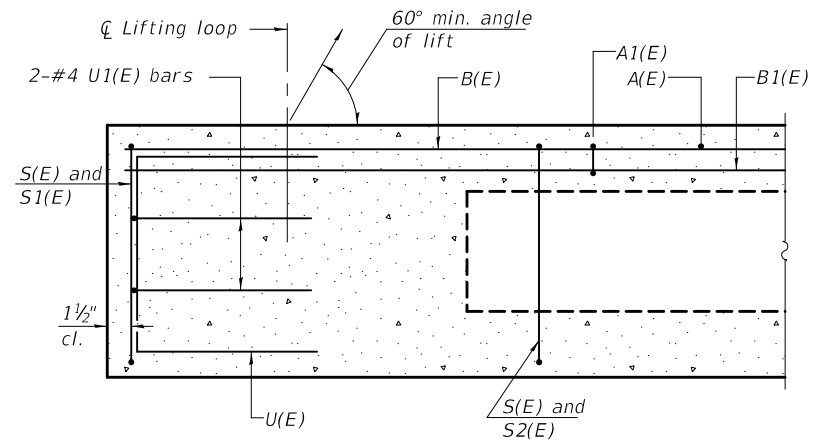
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 015 - 0070

SHEET 7 OF 13 SHEETS

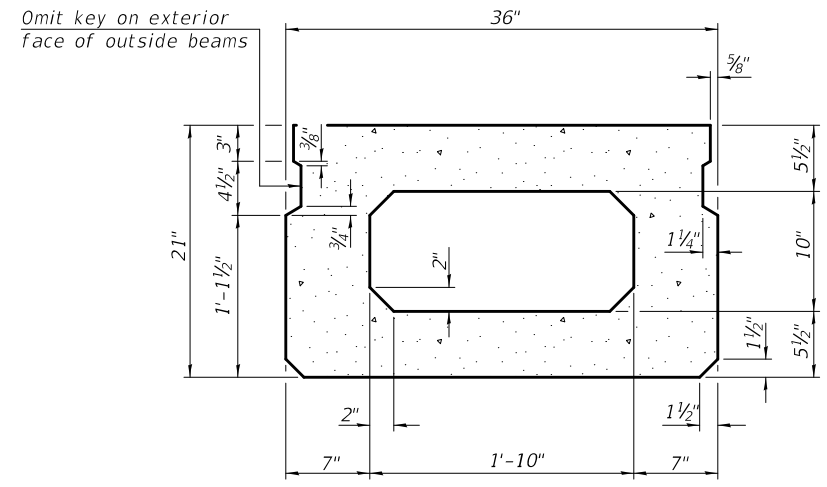
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	24
ILLINOIS				FED. AID PROJECT

CONTRACT NO. 74561

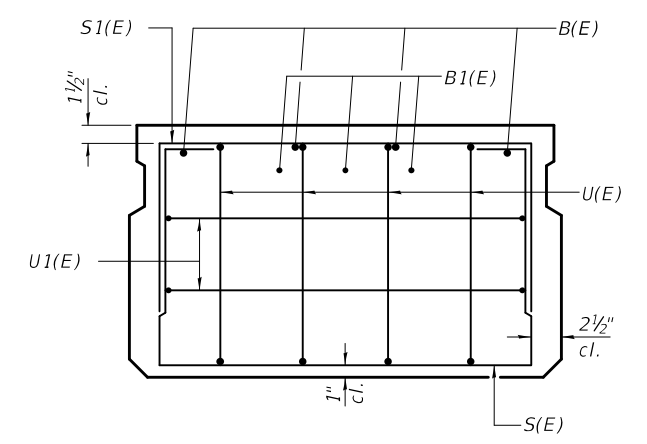
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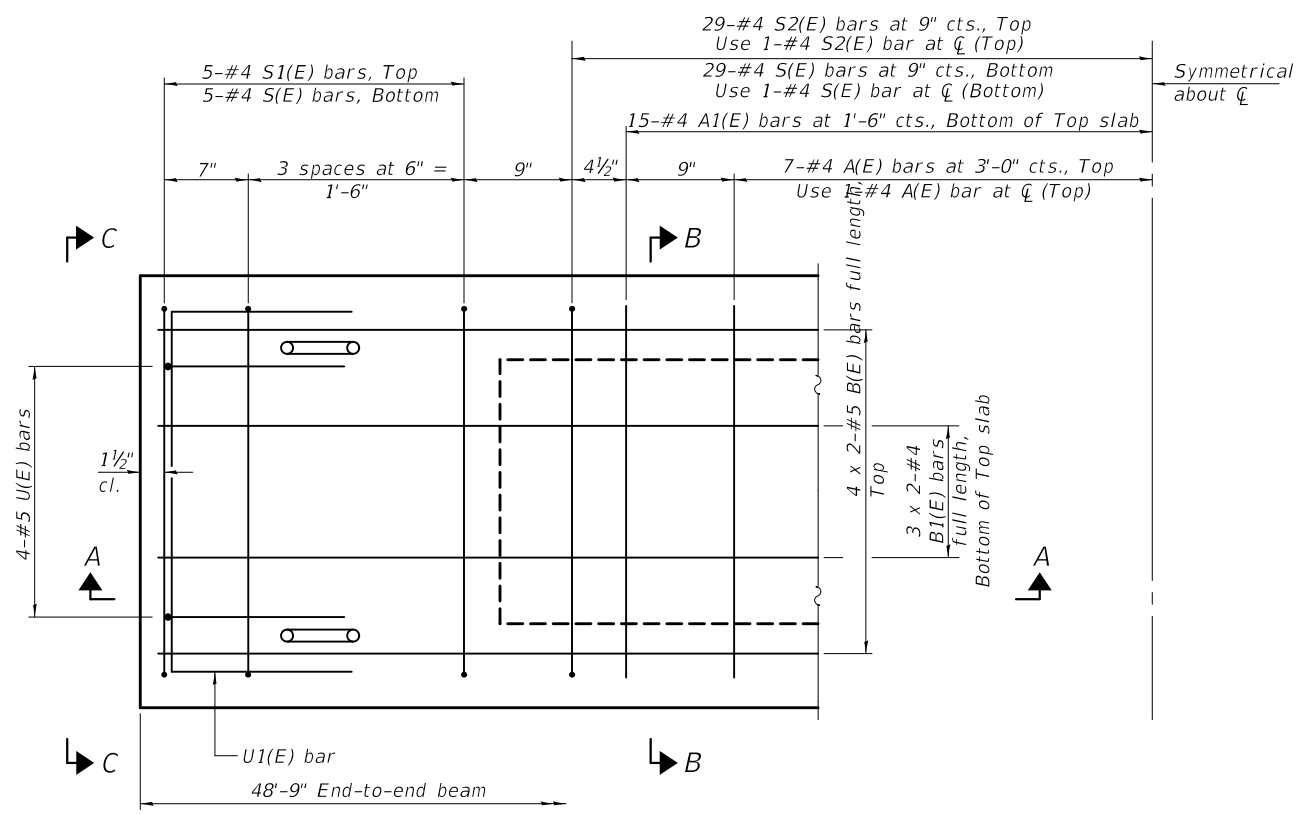
SECTION A-A



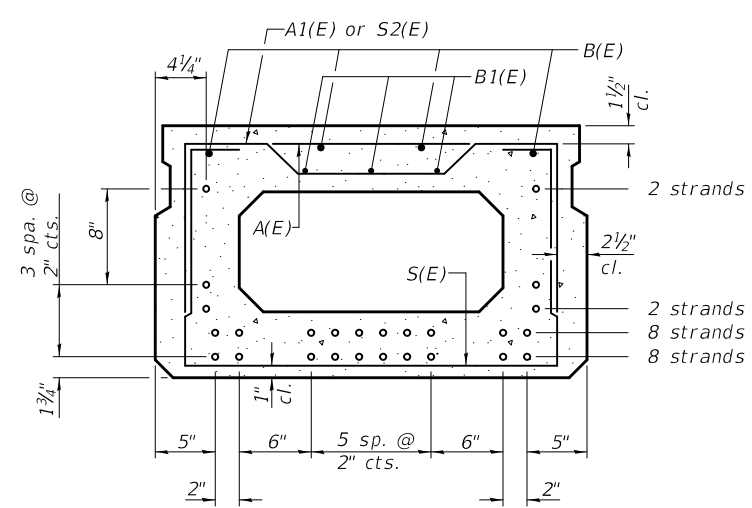
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	15	#4	2'-7"	—
A1(E)	30	#4	2'-10"	—
B(E)	8	#5	25'-6"	—
B1(E)	6	#4	25'-3"	—
* D(E)	40	#4	2'-9"	□
S(E)	69	#4	6'-5"	□
S1(E)	10	#4	4'-11"	□
S2(E)	59	#4	5'-2"	□
U(E)	8	#5	4'-0"	□
U1(E)	4	#4	5'-0"	□

* Exterior beam only

Notes:
 See sheet 9 of 13 for additional details and Bill of Material.
 Bars indicated thus, 4 x 2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
 #4 bar = 1'-11"
 #5 bar = 2'-6"

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

PD-2136-0 2-17-2017

DESIGNED - HAREEM I. DAR	EXAMINED
CHECKED - CORY KOLTVEIT	PASSED
DRAWN - JEREMY WALKER	
CHECKED - HID / CDK / GRA	

DATE - DECEMBER 7, 2018
 ENGINEER OF BRIDGE DESIGN
 ENGINEER OF BRIDGES AND STRUCTURES

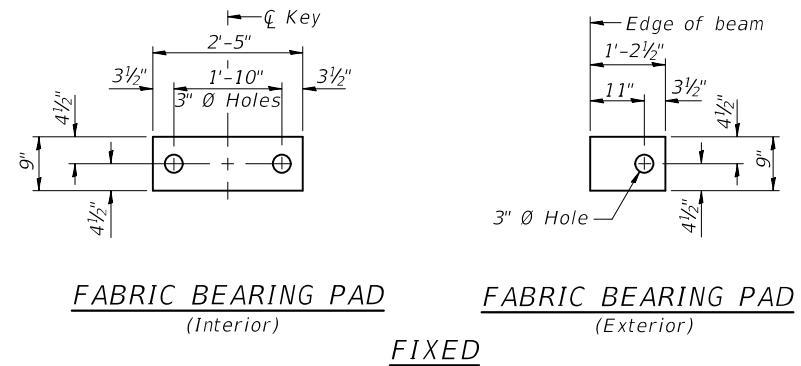
REVISD -
REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21" x 36" PPC DECK BEAM
STRUCTURE NO. 015 - 0070

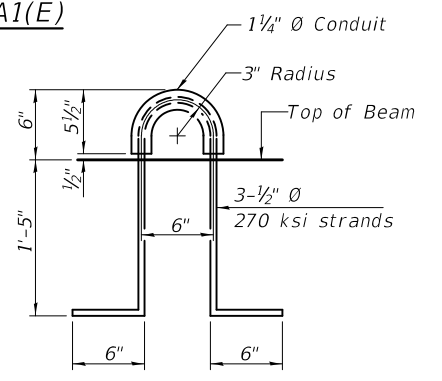
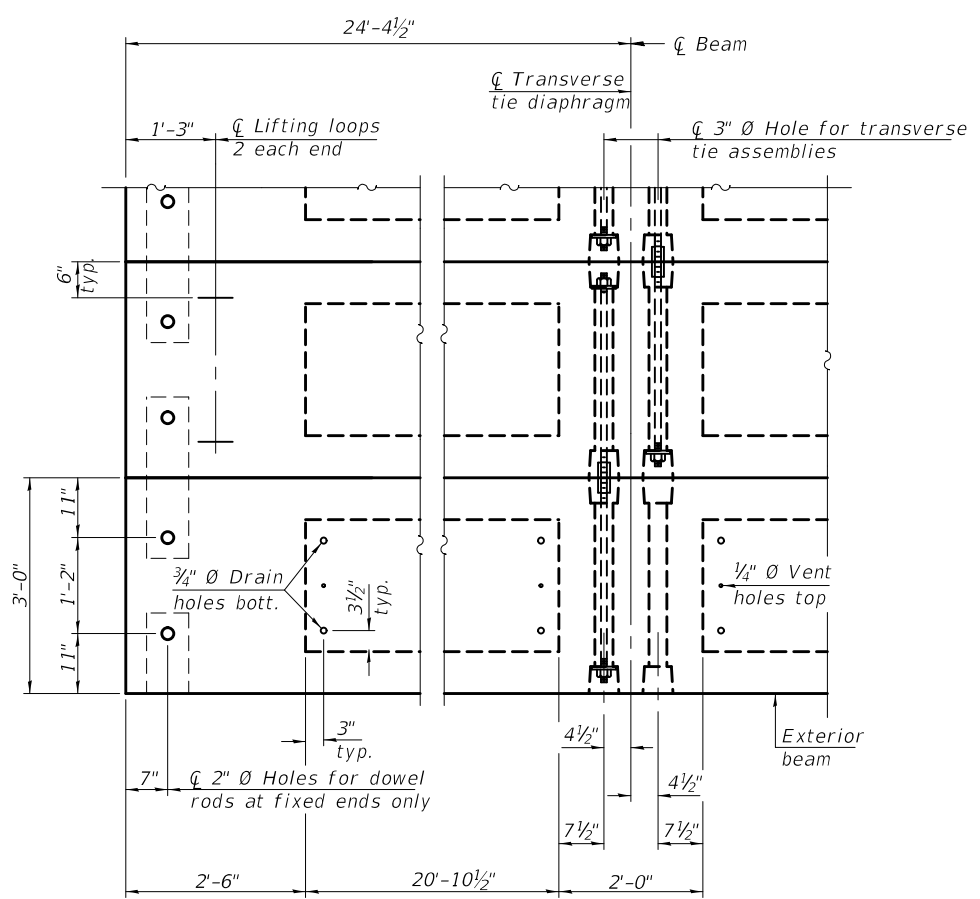
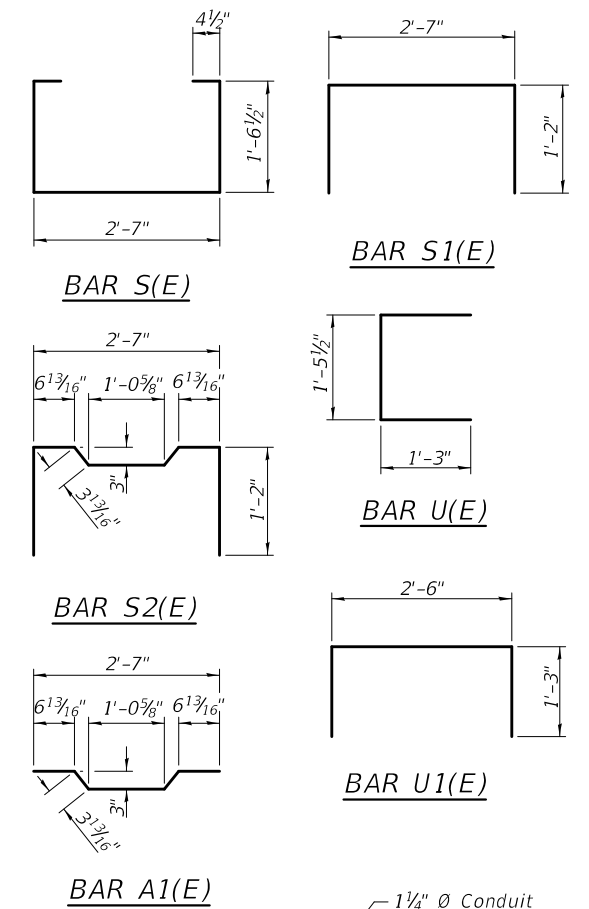
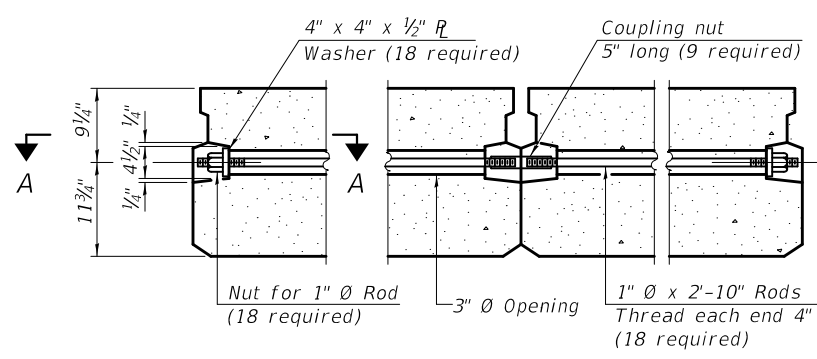
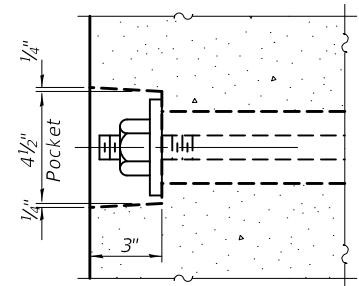
SHEET 8 OF 13 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74561	



Notes:
 All bearing pads shall be 1" thick.

FIXED



BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1,463
---	---------	-------

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note: Connect beams in pairs with the transverse tie configuration shown.

PD-2136-0D 2-17-2017

MODEL: 0150070-74561-009 FILE NAME: p:\v\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0150070\CADD Plans\0150070-74561.dgn

DESIGNED - HAREEM I. DAR	EXAMINED
CHECKED - CORY KOLTVEIT	PASSED
DRAWN - JEREMY WALKER	
CHECKED - HID / CDK / GRA	

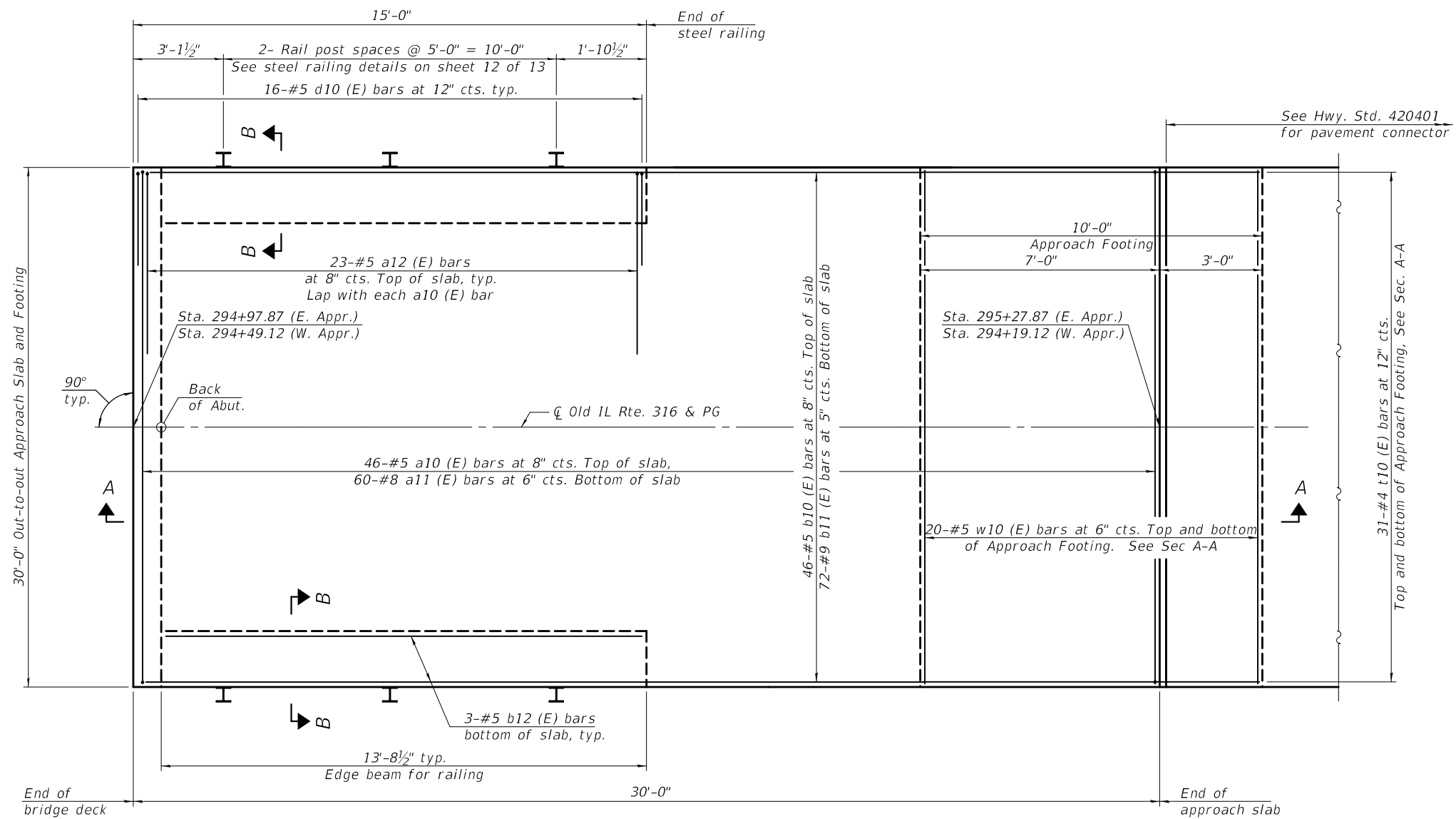
DATE - DECEMBER 7, 2018
 ENGINEER OF BRIDGE DESIGN
 ENGINEER OF BRIDGES AND STRUCTURES

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**21" x 36" PPC DECK BEAM DETAILS
 STRUCTURE NO. 015 - 0070**

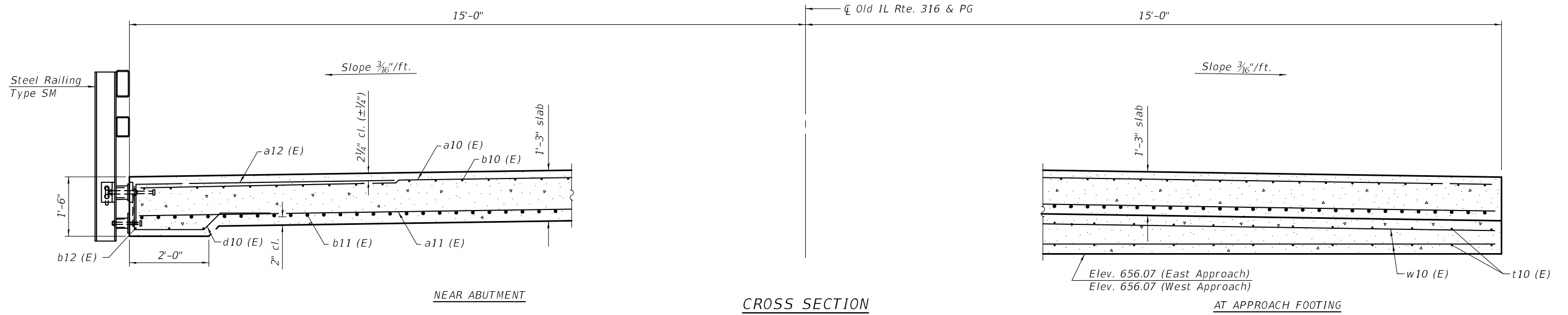
SHEET 9 OF 13 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	26
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				



PLAN

(East approach slab shown; West approach slab similar by 180° rotation)



NEAR ABUTMENT

CROSS SECTION
(Looking East)

AT APPROACH FOOTING

MODEL: 0150070-74561-010
 FILE NAME: p:\w\1084EBID\INTEG\ilnotes\gov\p\1084EBID\Documents\DOT_Offices\Bureau of Bridges and Structures\Projects\0150070\CADD_Plans\0150070-74561.dgn
 12/10/2018 11:54:12 AM

DESIGNED - HAREEM I. DAR	EXAMINED - <i>Joanne F. Joffe</i>	DATE - DECEMBER 7, 2018
CHECKED - CORY KOLTVEIT	PASSED - <i>Carl Kasper</i>	REVISOR -
DRAWN - JEREMY WALKER	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -
CHECKED - HID / CDK / GRA		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

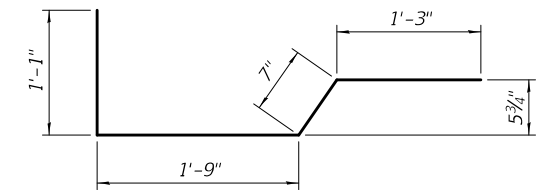
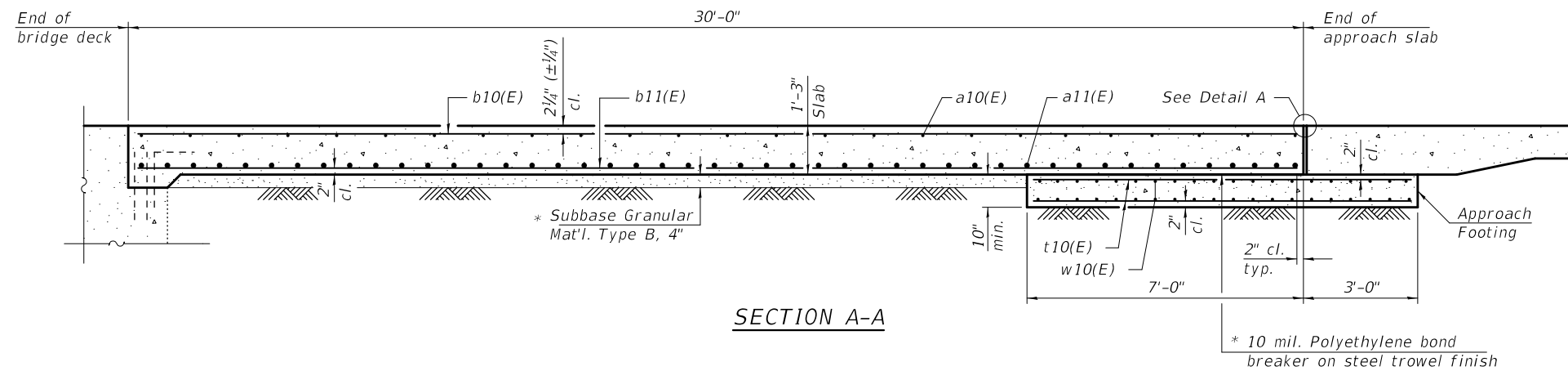
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 015 - 0070

SHEET 10 OF 13 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	27
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

Notes:

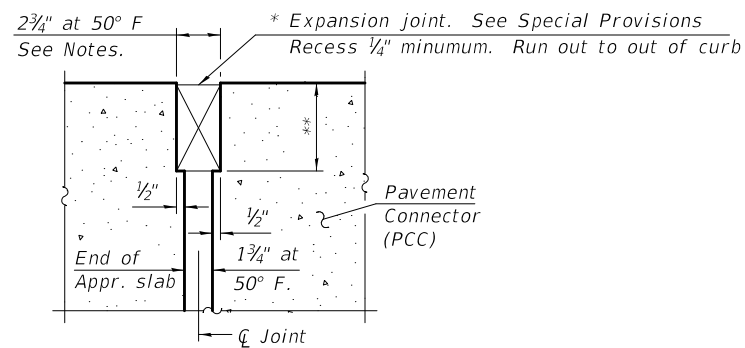
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For railing details, see sheet 12 of 13.



BAR d10(E)

**TWO APPROACHES
BILL OF MATERIAL**

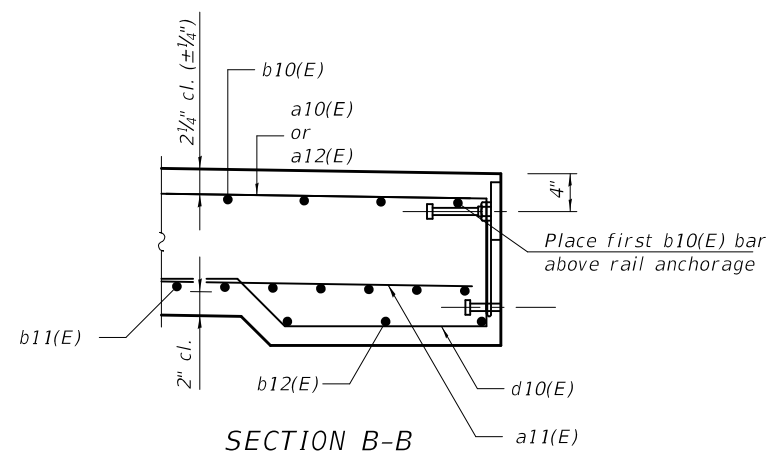
Bar	No.	Size	Length	Shape	
a10(E)	92	#5	29'-8"	—	
a11(E)	120	#8	29'-8"	—	
a12(E)	92	#5	7'-6"	—	
b10(E)	92	#5	29'-8"	—	
b11(E)	144	#9	29'-8"	—	
b12(E)	12	#5	13'-5"	—	
d10(E)	64	#5	4'-8"	┘	
t10(E)	124	#4	9'-8"	—	
w10(E)	80	#5	29'-8"	—	
Concrete Superstructure (Approach Slab)				Cu. Yd.	88.4
Concrete Structures				Cu. Yd.	21.2
Reinforcement Bars, Epoxy Coated				Pound	34,200



DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations



SECTION B-B



BAR a12(E)

MODEL: 0150070-74561-011
FILE NAME: p:\w\084EBID\INTEG\illinois.gov\PW\DOT\Documents\Bureau of Bridges and Structures\Projects\0150070\CADD Plans\0150070-74561.dgn

DESIGNED - HAREEM I. DAR	EXAMINED - <i>Joanne F. Joffe</i>	DATE - DECEMBER 7, 2018
CHECKED - CORY KOLTVeit	PASSED - <i>Carl Kasper</i>	REVISOR -
DRAWN - JEREMY WALKER		REVISOR -
CHECKED - HID / CDK / GRA		

ENGINEER OF BRIDGE DESIGN
 ENGINEER OF BRIDGES AND STRUCTURES

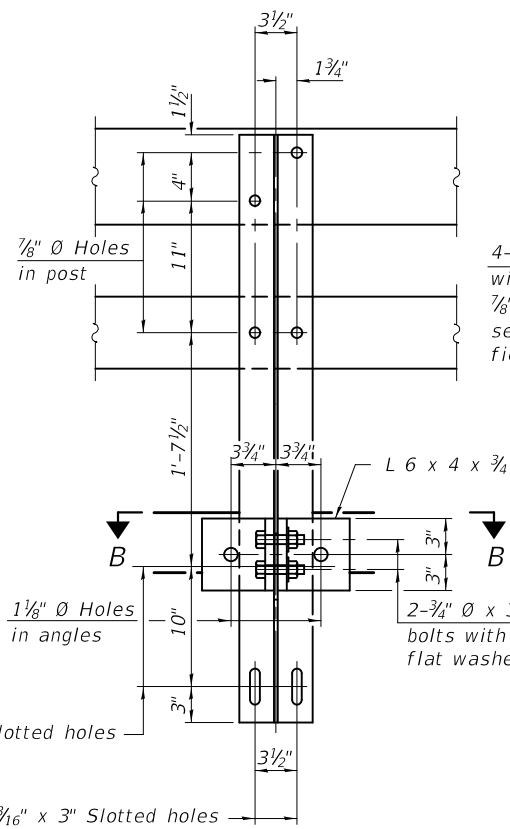
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 015 - 0070**

SHEET 11 OF 13 SHEETS

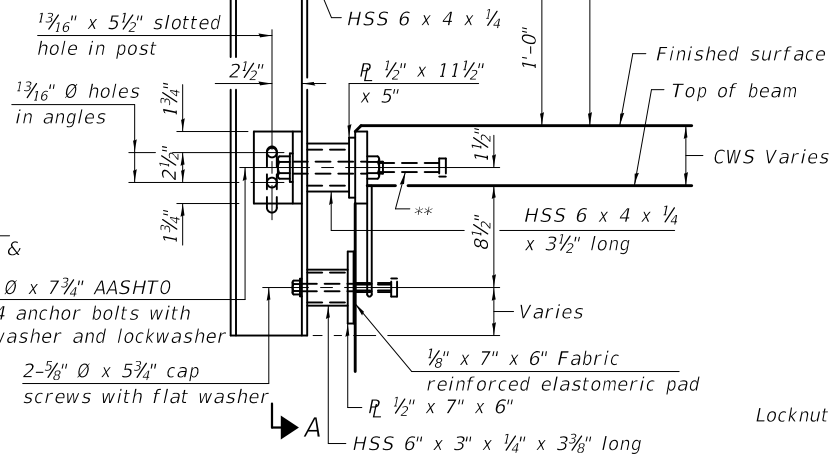
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	28
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

MODEL: 0150070-74561-012
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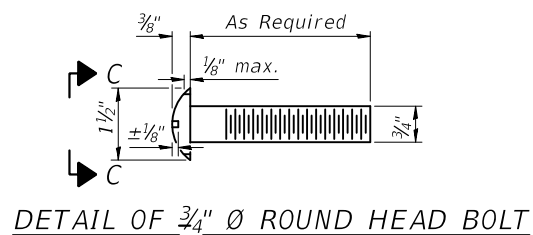


SECTION A-A

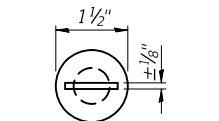
4-3/4" Ø x 6" Round Head Bolts with locknut & flat washer.
 7/8" Ø holes in hollow structural section may be drilled in the field.



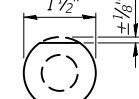
SECTION AT RAIL POST



DETAIL OF 3/4" Ø ROUND HEAD BOLT

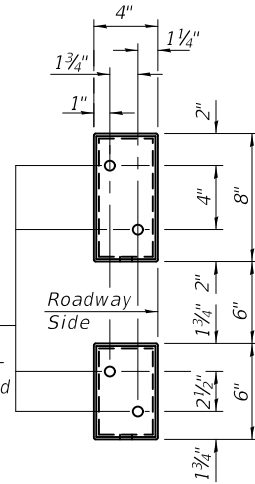


With Slot (shown) or Approved Recess

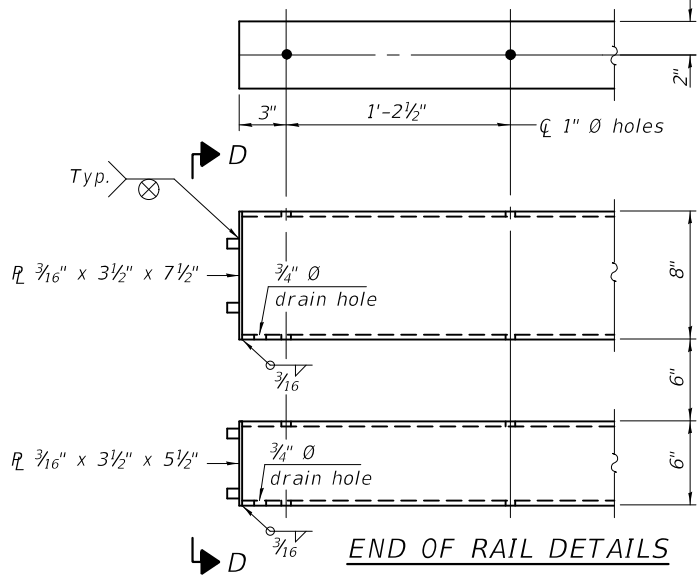


Without Slot or Recess

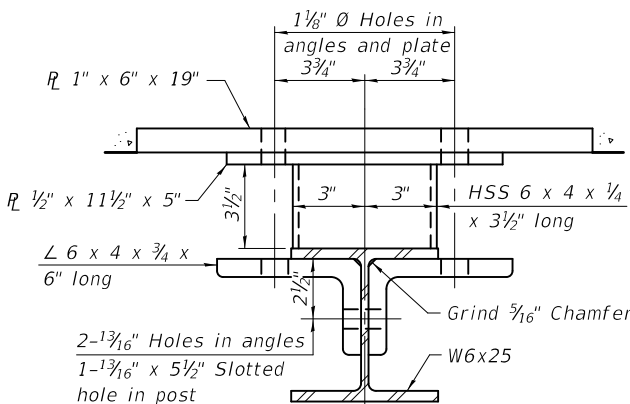
VIEW C-C



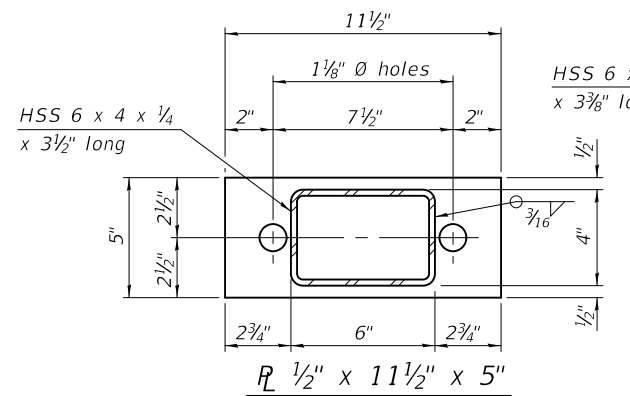
VIEW D-D



END OF RAIL DETAILS

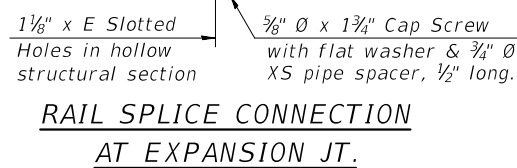


SECTION B-B

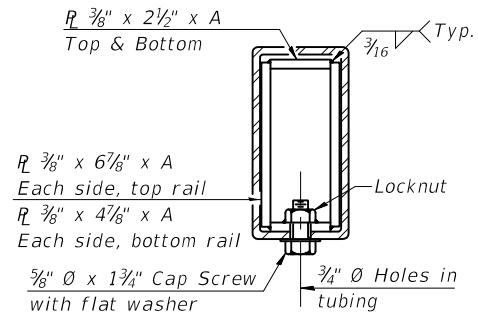


ANCHOR DEVICE

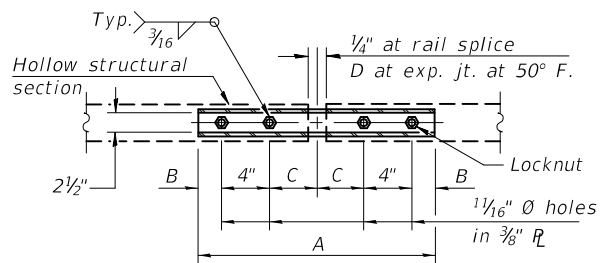
*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.



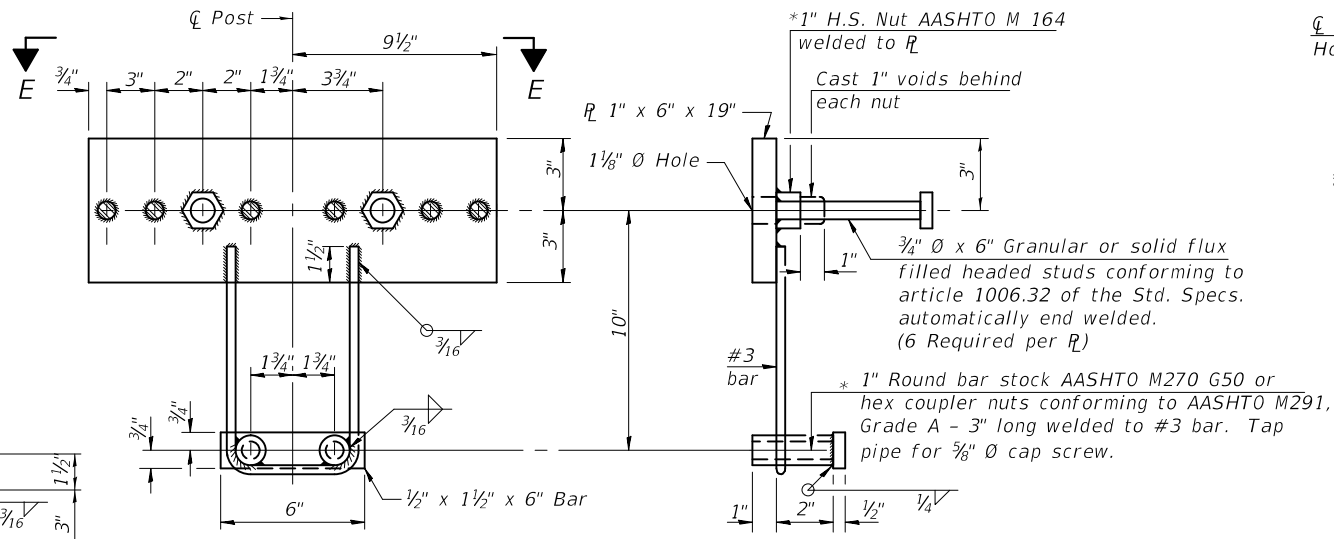
RAIL SPLICE CONNECTION AT EXPANSION JT.



SECTION AT RAIL SPLICE



PLAN-BOTT. SPLICE R TYPICAL



SPLICE DIMENSIONS

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.

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	158

R-34CWS 2-17-2017 (6'-3" Maximum Post Spacing) (5" minimum to 7 1/8" maximum CWS thickness)

DESIGNED - HAREEM I. DAR	EXAMINED -
CHECKED - CORY KOLTVEIT	PASSED -
DRAWN - JEREMY WALKER	
CHECKED - HID / CDK / GRA	

DATE - DECEMBER 7, 2018
 REVISIONS -

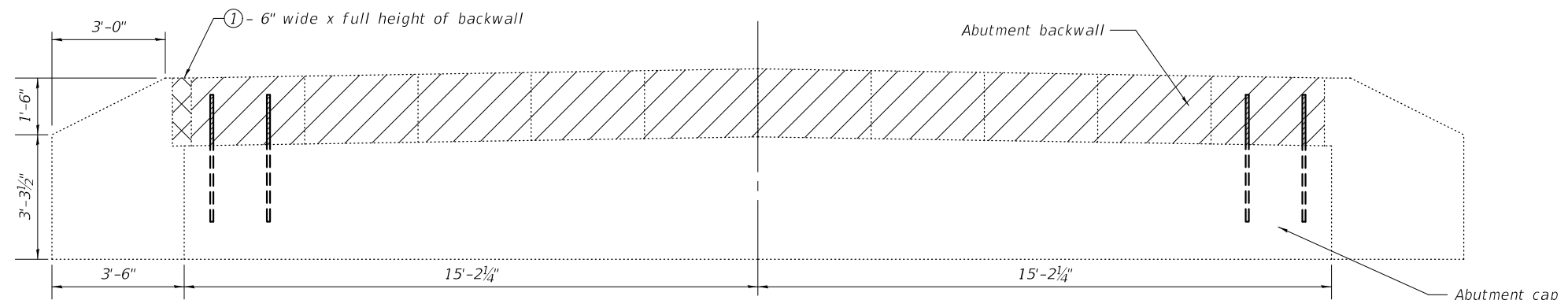
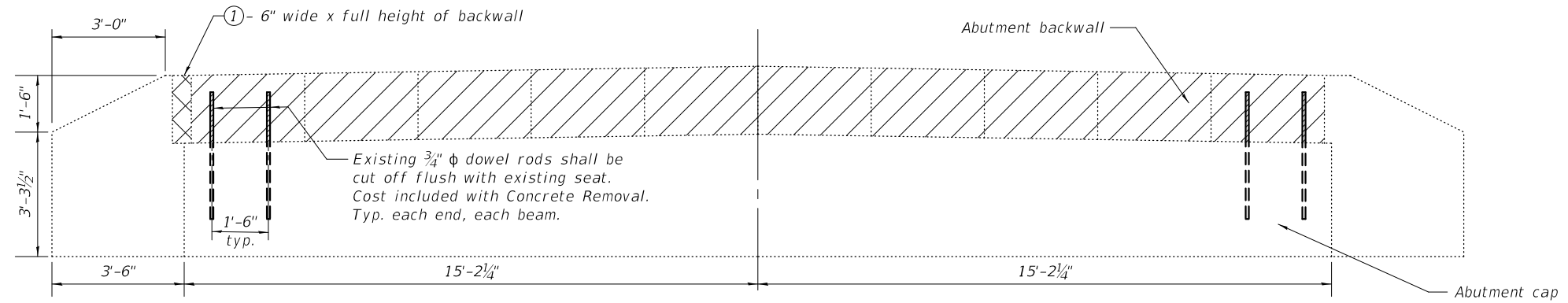
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE SM WITH CONCRETE WEARING SURFACE
 STRUCTURE NO. 015 - 0070

SHEET 12 OF 13 SHEETS

F.A.S. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 29
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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* Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced with an approved bar splicer or anchorage system. Cost shall be included in Concrete Removal.

LEGEND

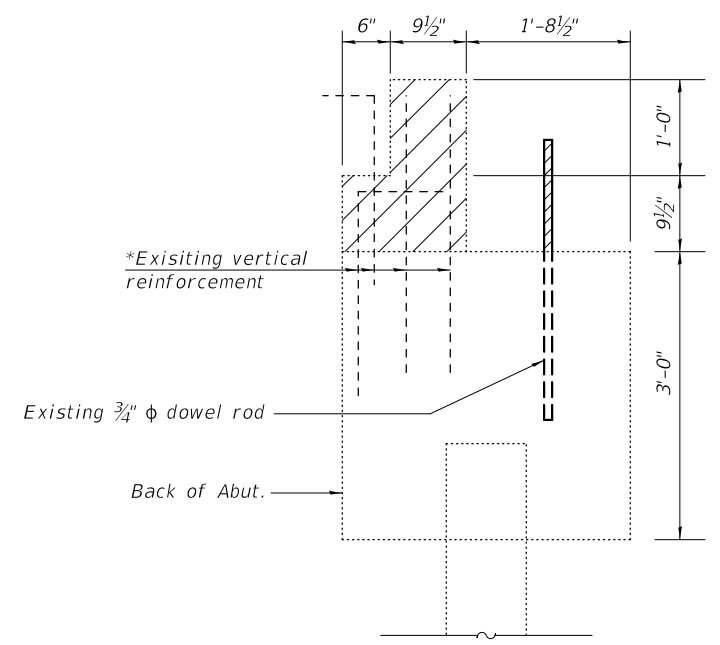
① Structural Repair of Concrete (Depth equal to or less than 5 inches)



Hatched area to be removed



Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)



BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	4.1
Structural Repair Of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	1.8

DESIGNED - HAREEM I. DAR	EXAMINED - <i>Jaime F. [Signature]</i>
CHECKED - CORY KOLTVEIT	PASSED - <i>Carl [Signature]</i>
DRAWN - JEREMY WALKER	
CHECKED - HID / CDK / GRA	

DATE - DECEMBER 7, 2018

REVISOR -

REVISOR -

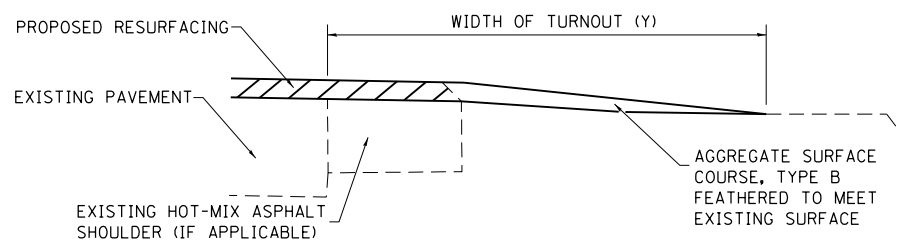
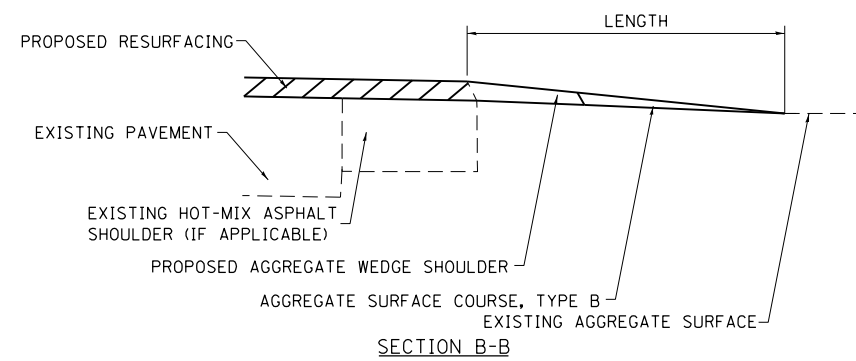
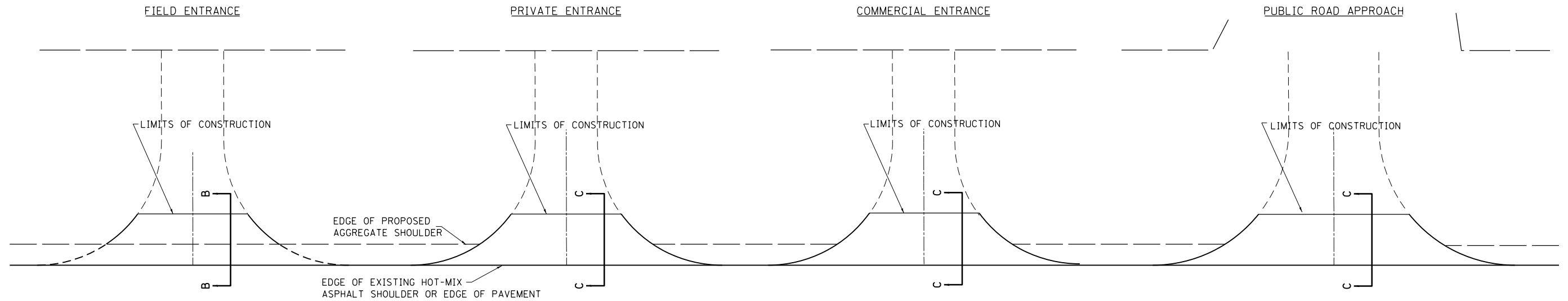
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL AT ABUTMENT & WINGWALL REPAIRS
STRUCTURE NO. 015 - 0070

SHEET 13 OF 13 SHEETS

F.A.S. RTE.	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 30
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION AT MAILBOX TURNOUT

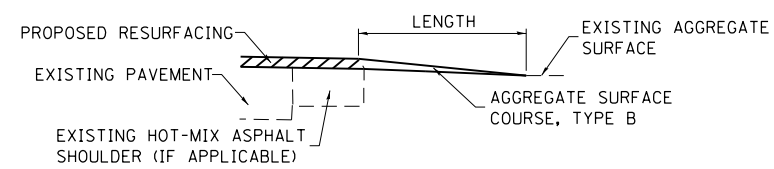
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

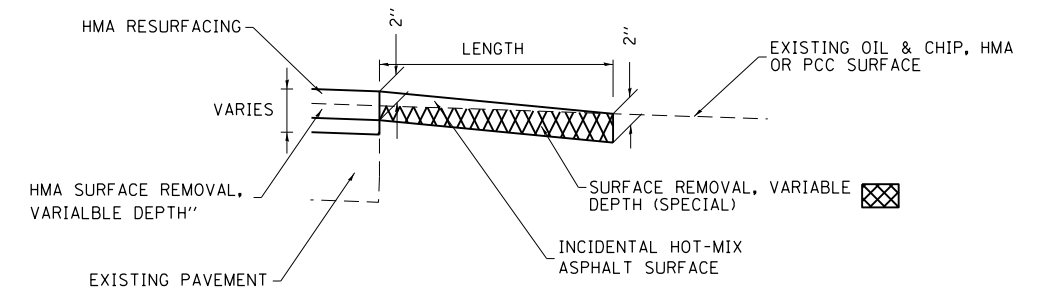
LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

THE COST OF THE BITUMINOUS MATERIALS (TACK COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.



SECTION C-C



SIDE	STATION	TYPE	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)		INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SURFACE COURSE, TYPE B
			SO	YD		
RT	292+22	FE	35.9	4.0		
LT	296+96	PE	33.5	3.8	3.3	
RT	297+65	MBT				1.6

SIDE	STATION	TYPE	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)		INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SURFACE COURSE, TYPE B
			SO	YD		

SIDE	STATION	TYPE	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)		INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SURFACE COURSE, TYPE B
			SO	YD		

SIDE	STATION	TYPE	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)		INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SURFACE COURSE, TYPE B
			SO	YD		

FE=FIELD ENTRANCE PRA - PUBLIC ROAD APPROACH
 PE=PRIVATE ENTRANCE MBT - MAILBOX TURNOUT
 CE=COMMERCIAL ENTRANCE

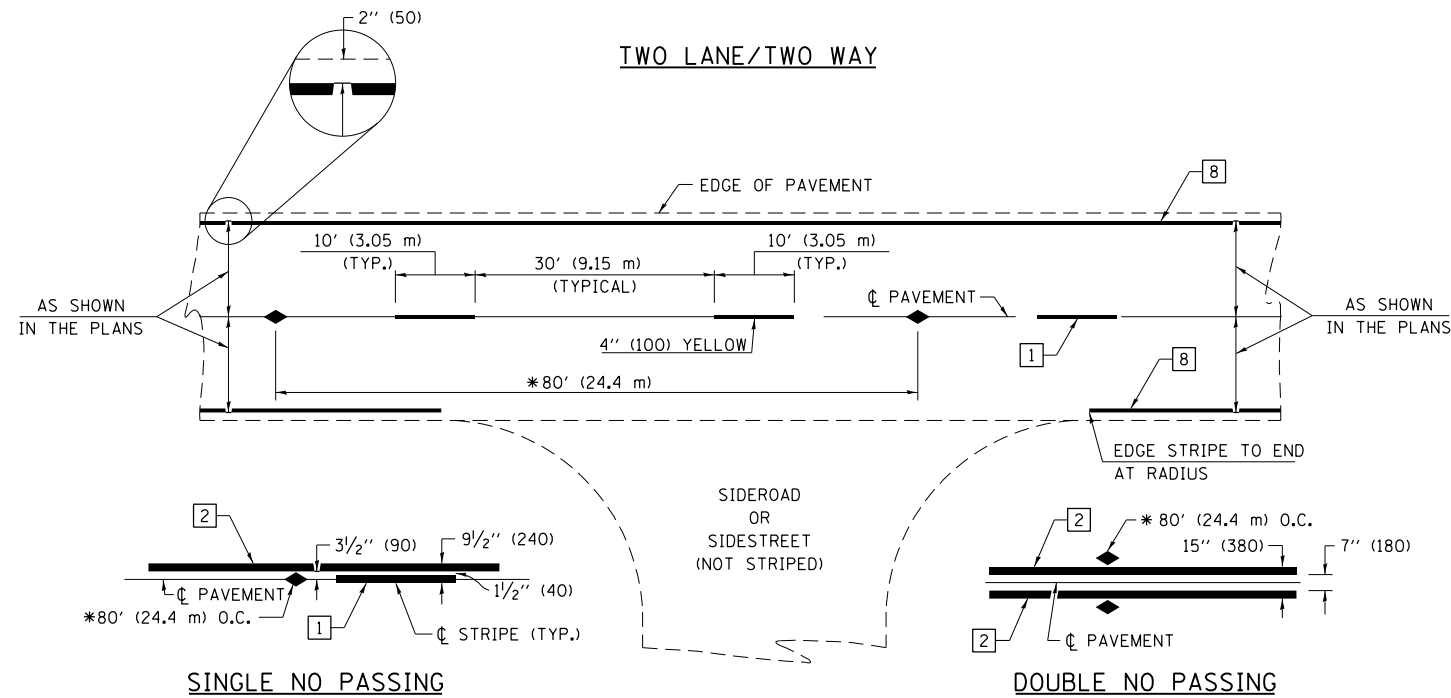
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RURAL ENTRANCE SCHEDULE AND MAILBOX TURNOUT DETAILS
 WITH SHOULDERS**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	32
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

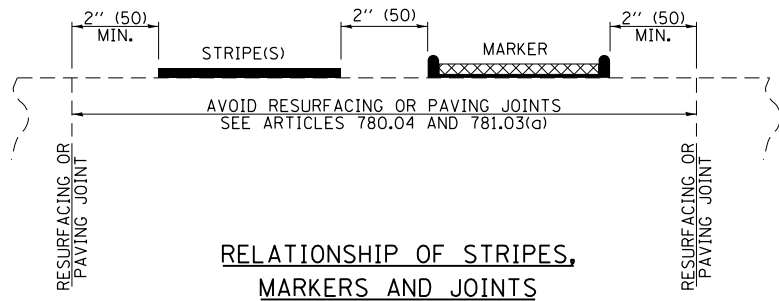
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* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

PAVEMENT MARKING LEGEND

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

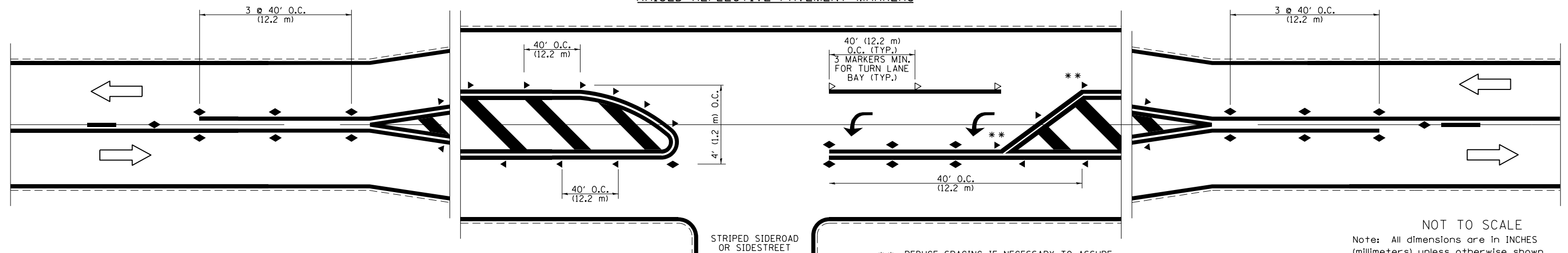


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

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

RAISED REFLECTIVE PAVEMENT MARKERS



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

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

DISTRICT 7 DETAIL NO. 7800001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

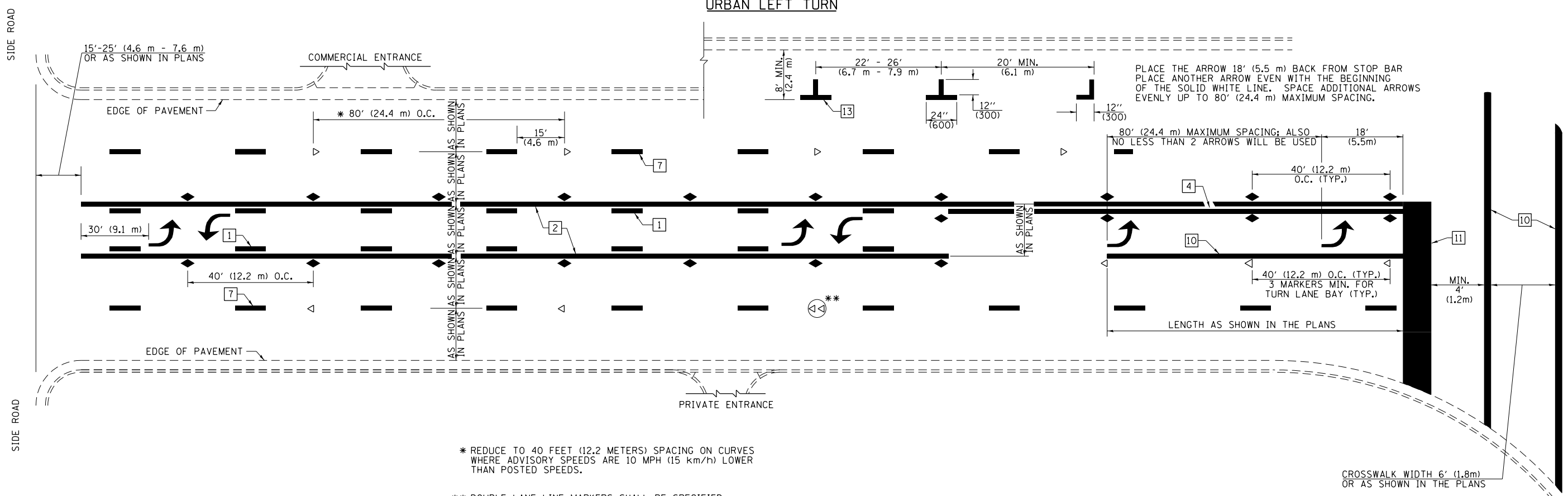
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SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	33
CONTRACT NO. 74561				
ILLINOIS		FED. AID PROJECT		

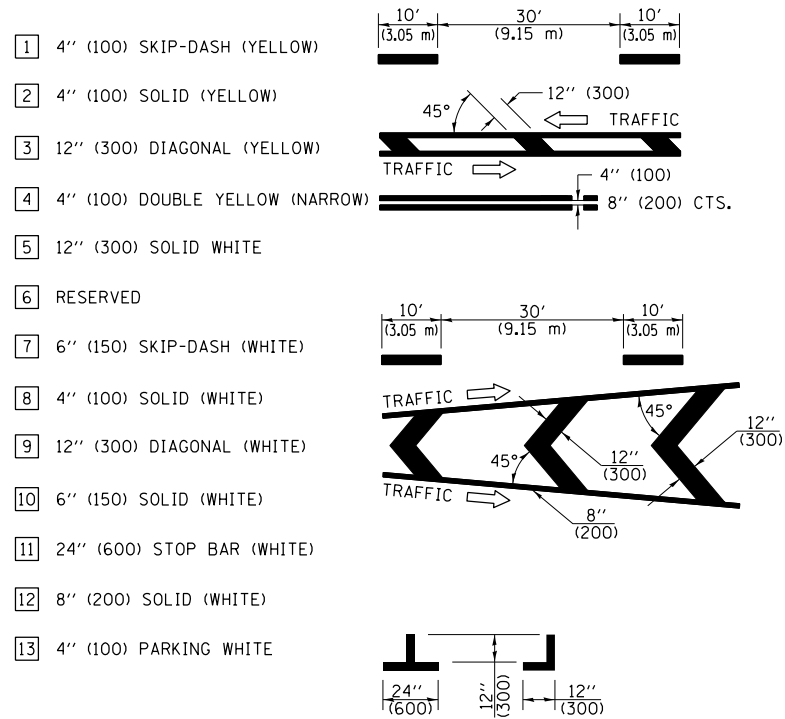
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URBAN LEFT TURN



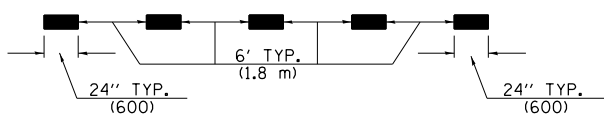
- * REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- ** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

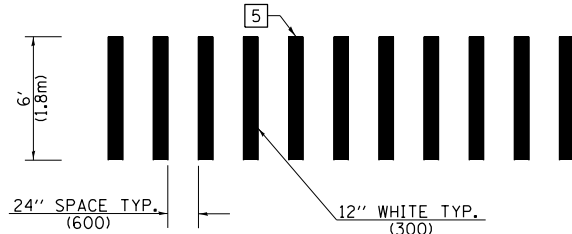


GENERAL NOTES

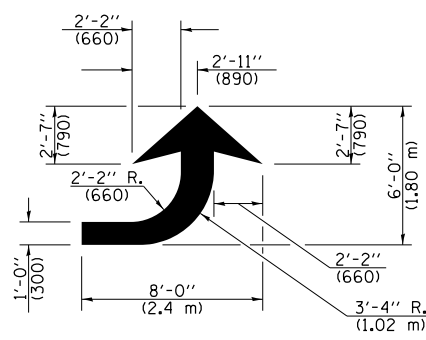
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT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



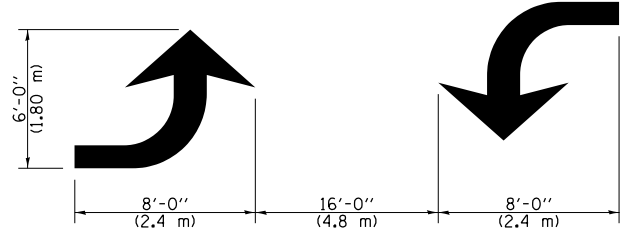
LANE LINE EXTENSIONS



CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)



LEFT ARROW



TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

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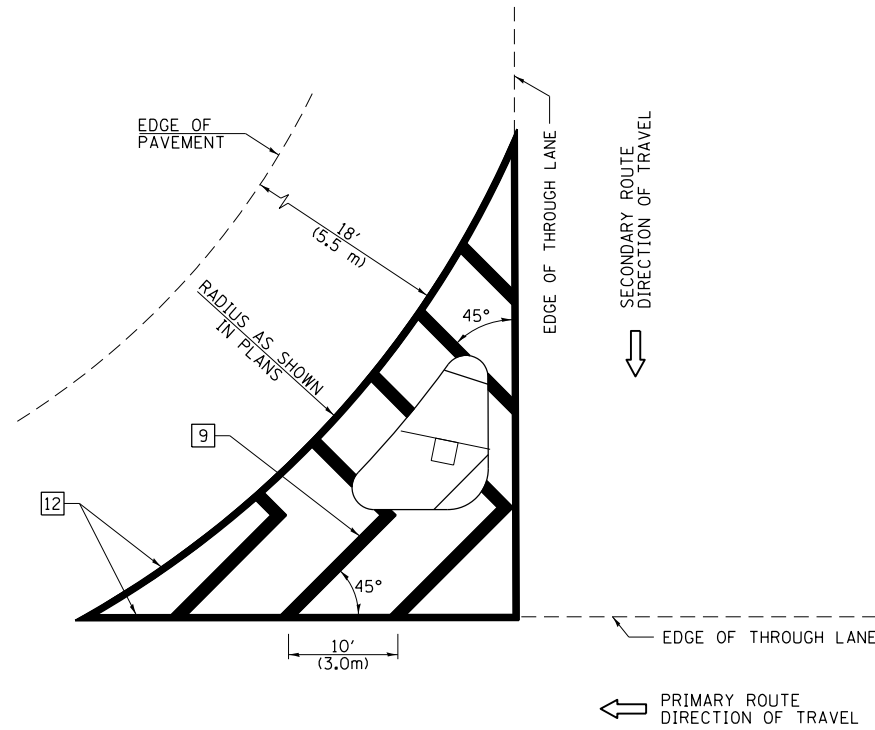
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.S. RTE. 1669	SECTION (6BR)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 34
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

ISLAND

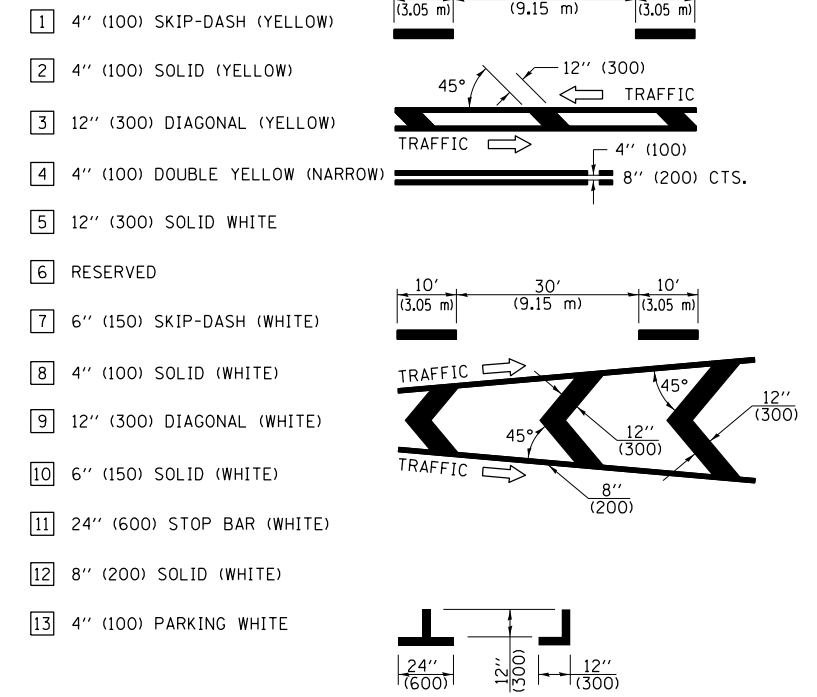


GENERAL NOTES

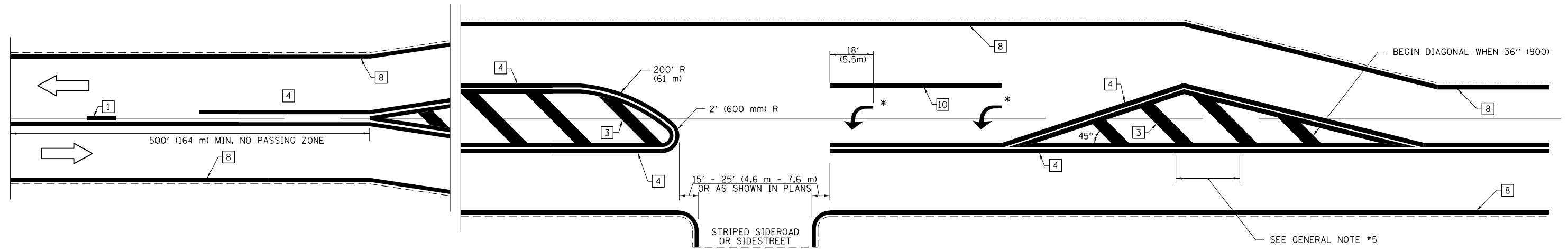
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING 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. 78000001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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PLOT DATE = 10/15/2018	CHECKED -	REVISED -
	DATE -	REVISED -

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

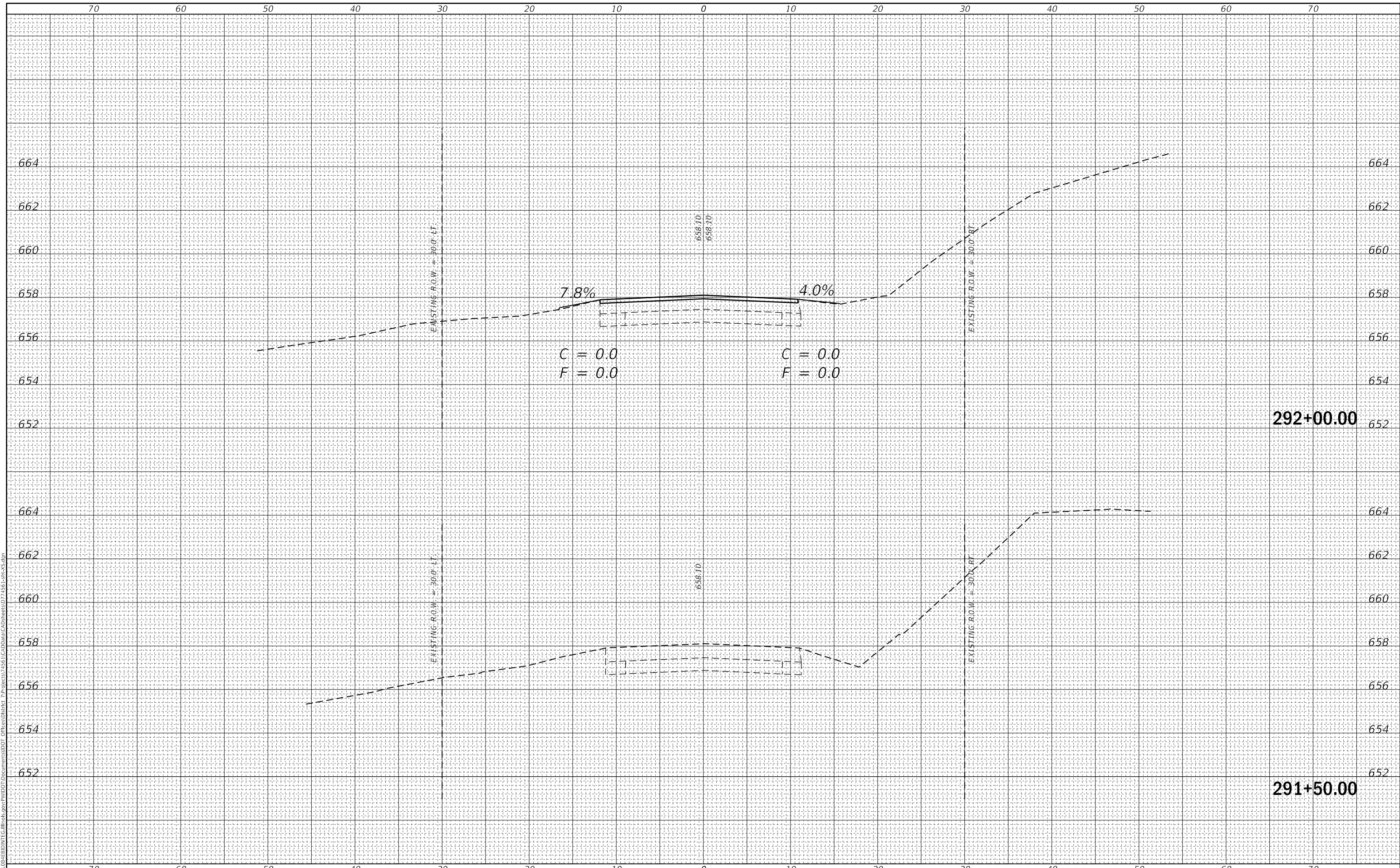
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1669	(6BR3)BR	COLES	48	35
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

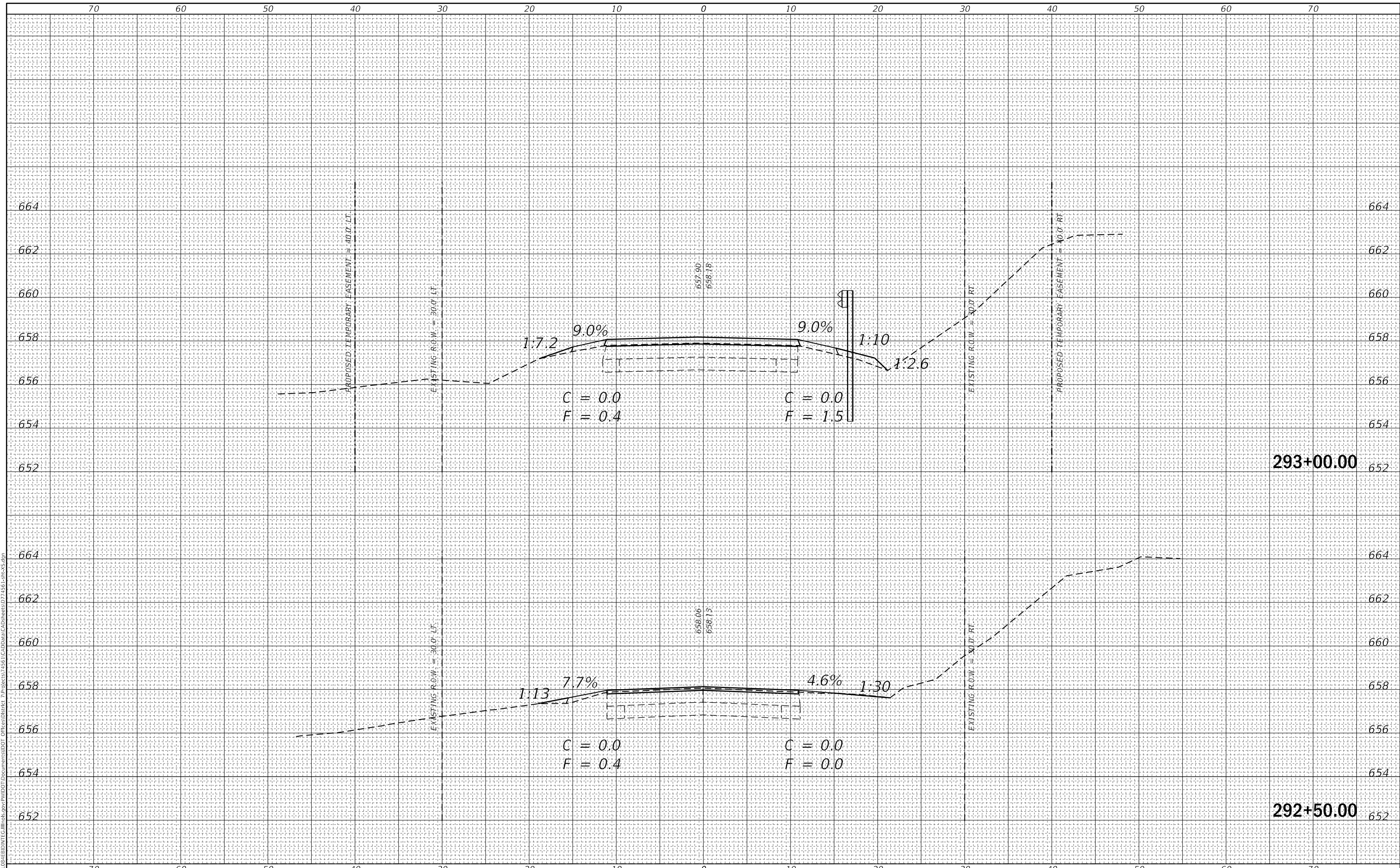
SCALE: SHEET 1 OF 12 SHEETS STA. 291+50.00 TO STA. 292+00.00

F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 37
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

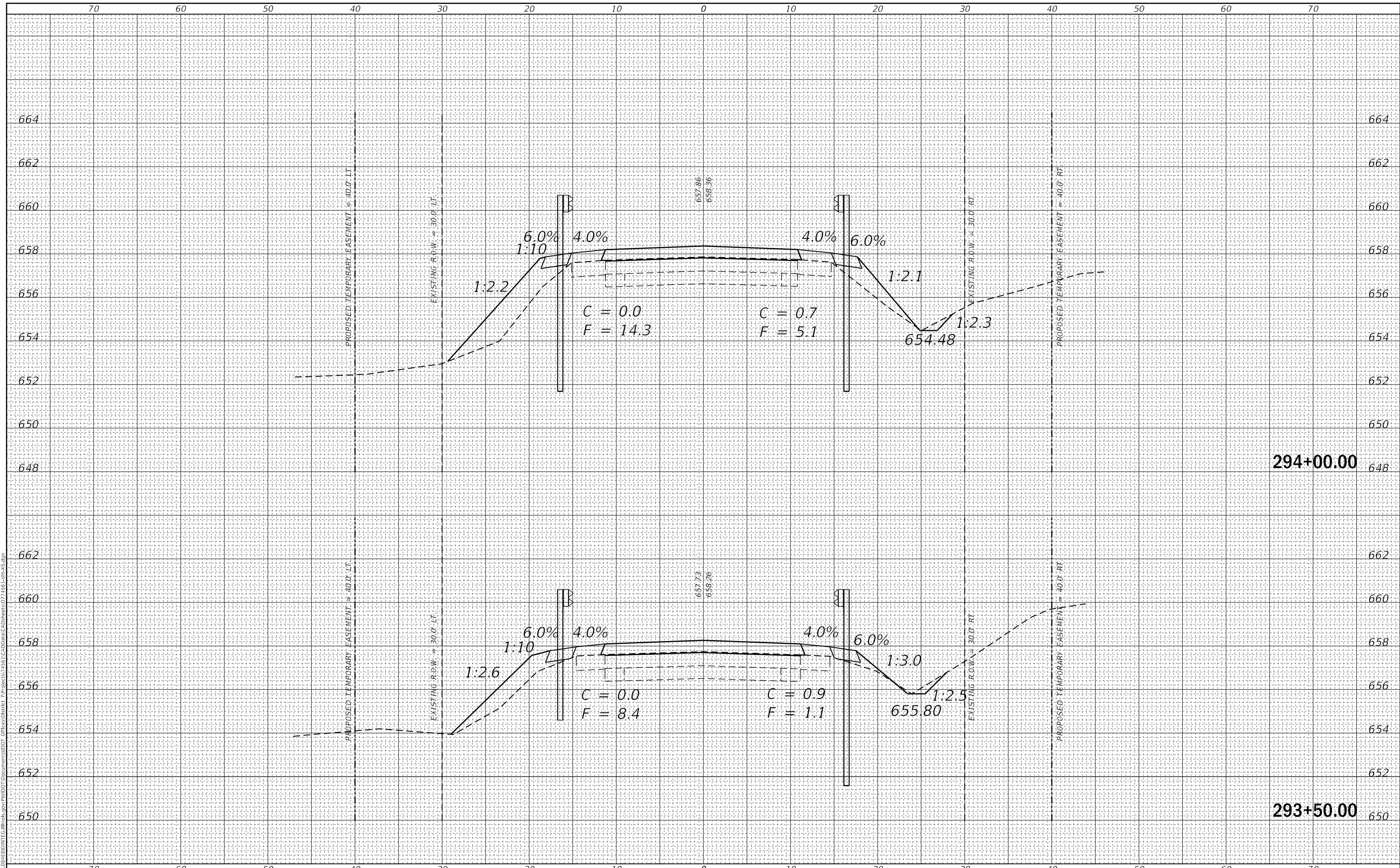
SCALE: SHEET 2 OF 12 SHEETS STA. 292+50.00 TO STA. 293+00.00

F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 38
CONTRACT NO. 74561				ILLINOIS FED. AID PROJECT

DATE	
BY	
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TEMPLATE	
NOTE BOOK	
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DATE	
BY	
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NOTE BOOK	
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USER NAME = steffnmk	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

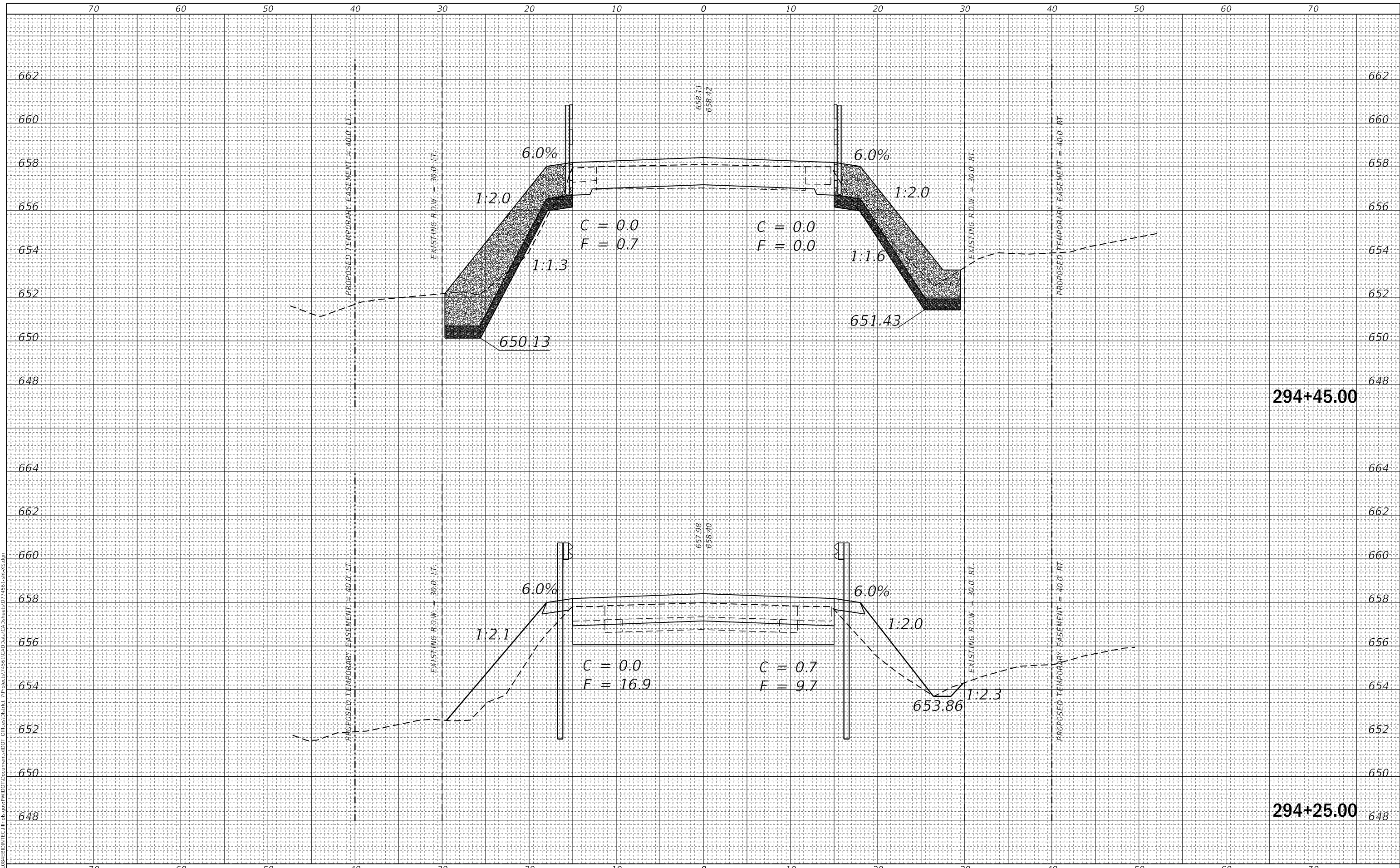
SCALE: SHEET 3 OF 12 SHEETS STA. 293+50.00 TO STA. 294+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	39
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
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NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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294+45.00

294+25.00

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	DRAWN -	REVISED -
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PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

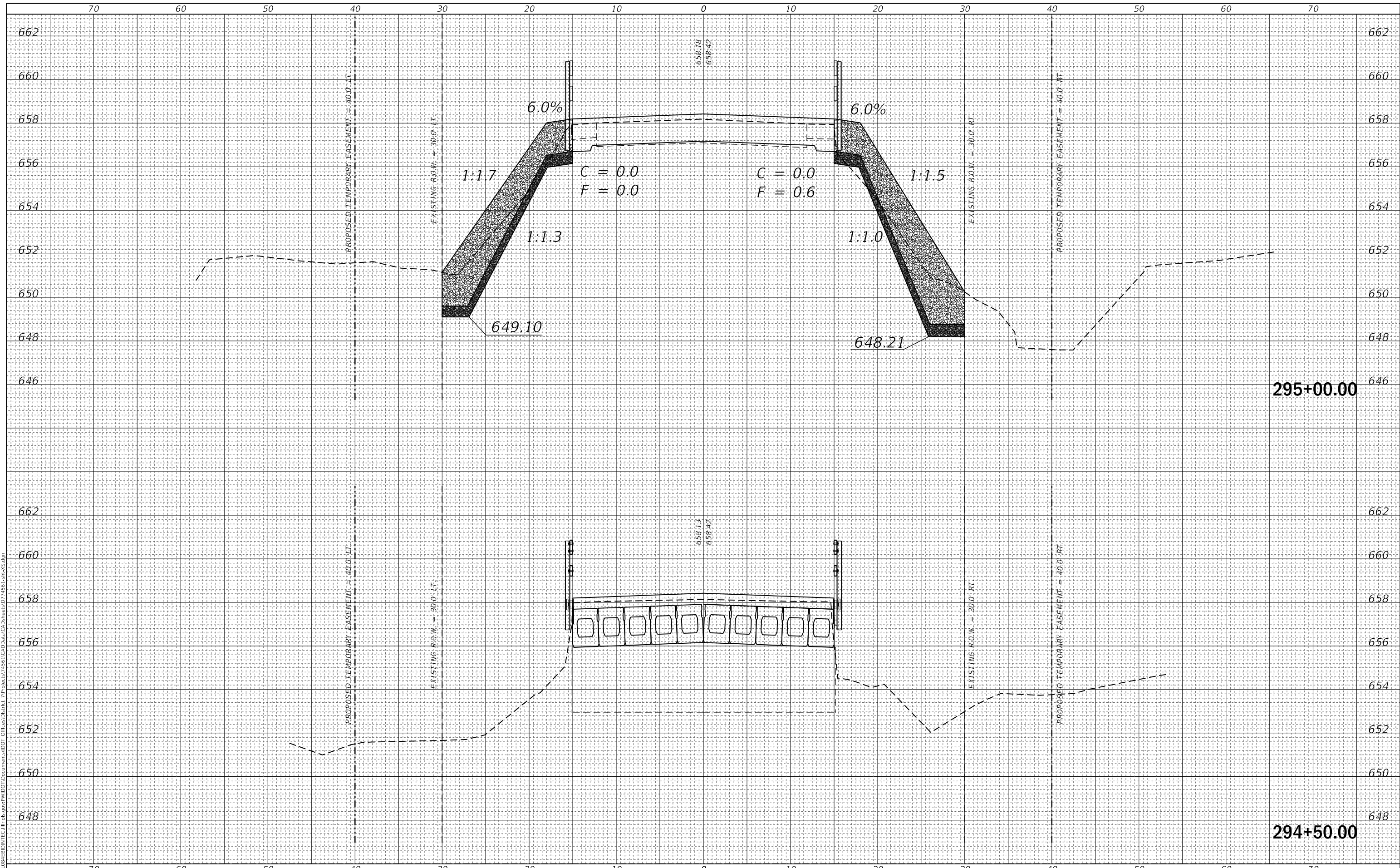
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F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 40
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

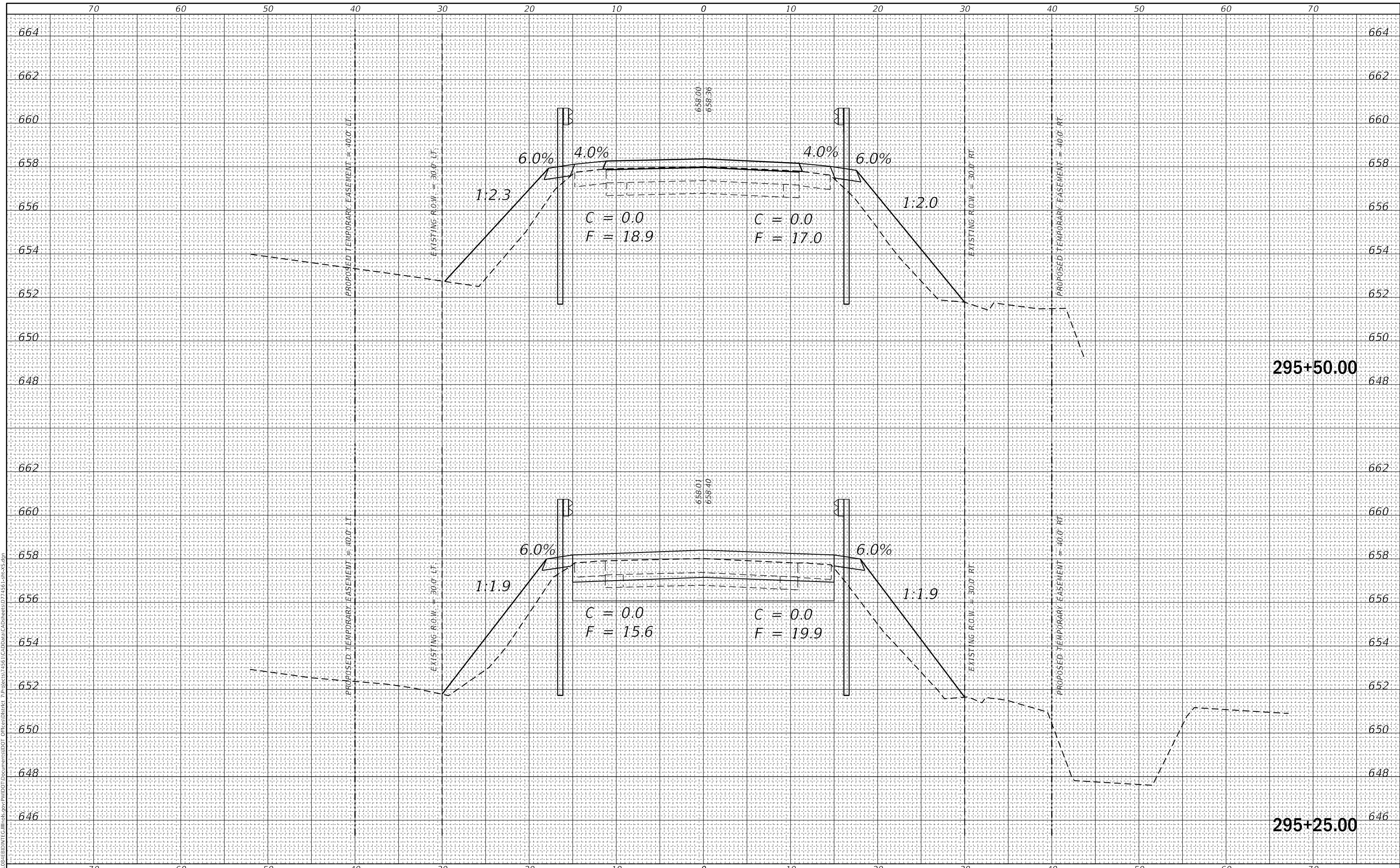
SCALE: SHEET 5 OF 12 SHEETS STA. 294+50.00 TO STA. 295+00.00

F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 41
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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

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

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	DRAWN -	REVISED -
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PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

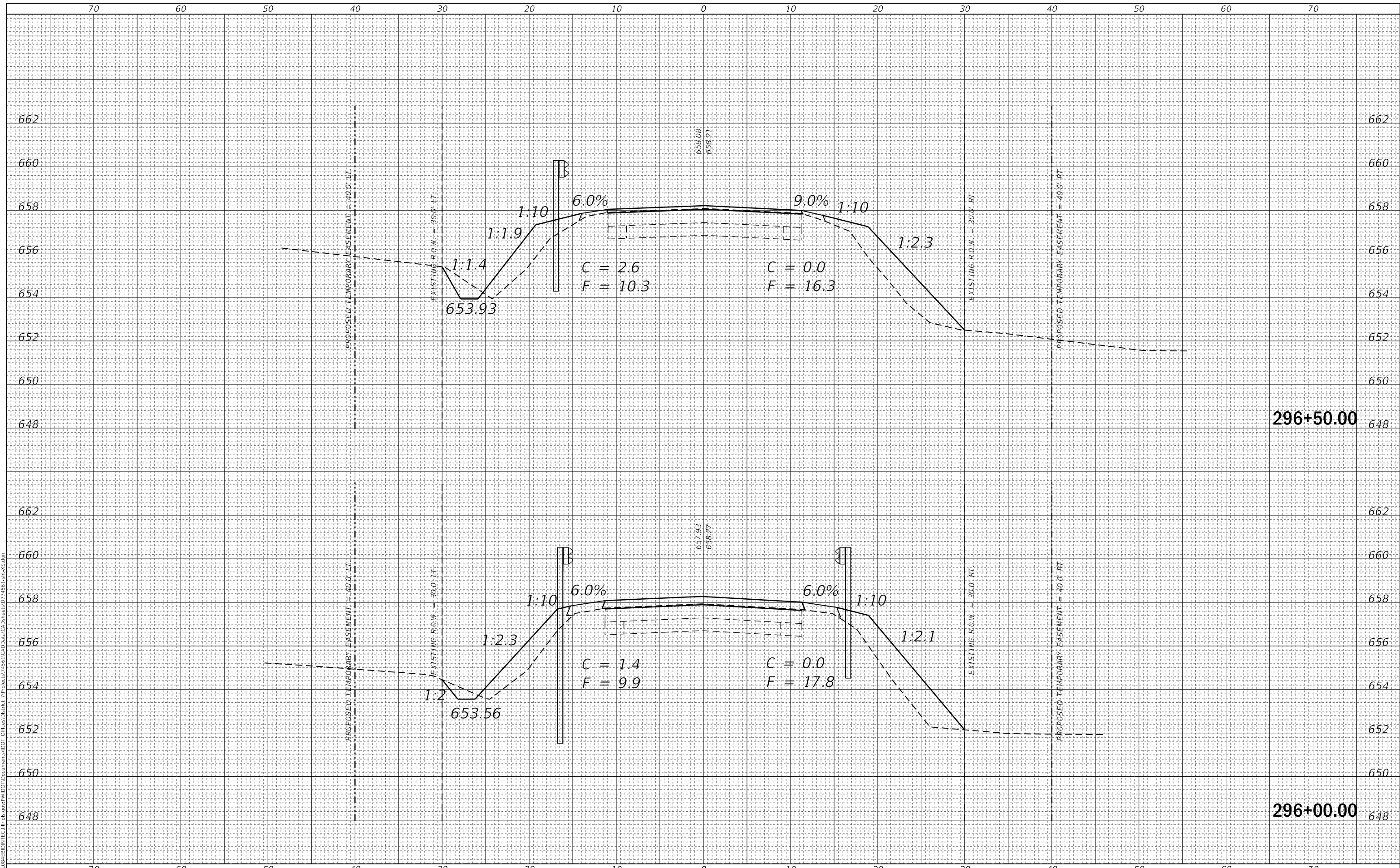
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F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 42
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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

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

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	DRAWN -	REVISED -
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PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

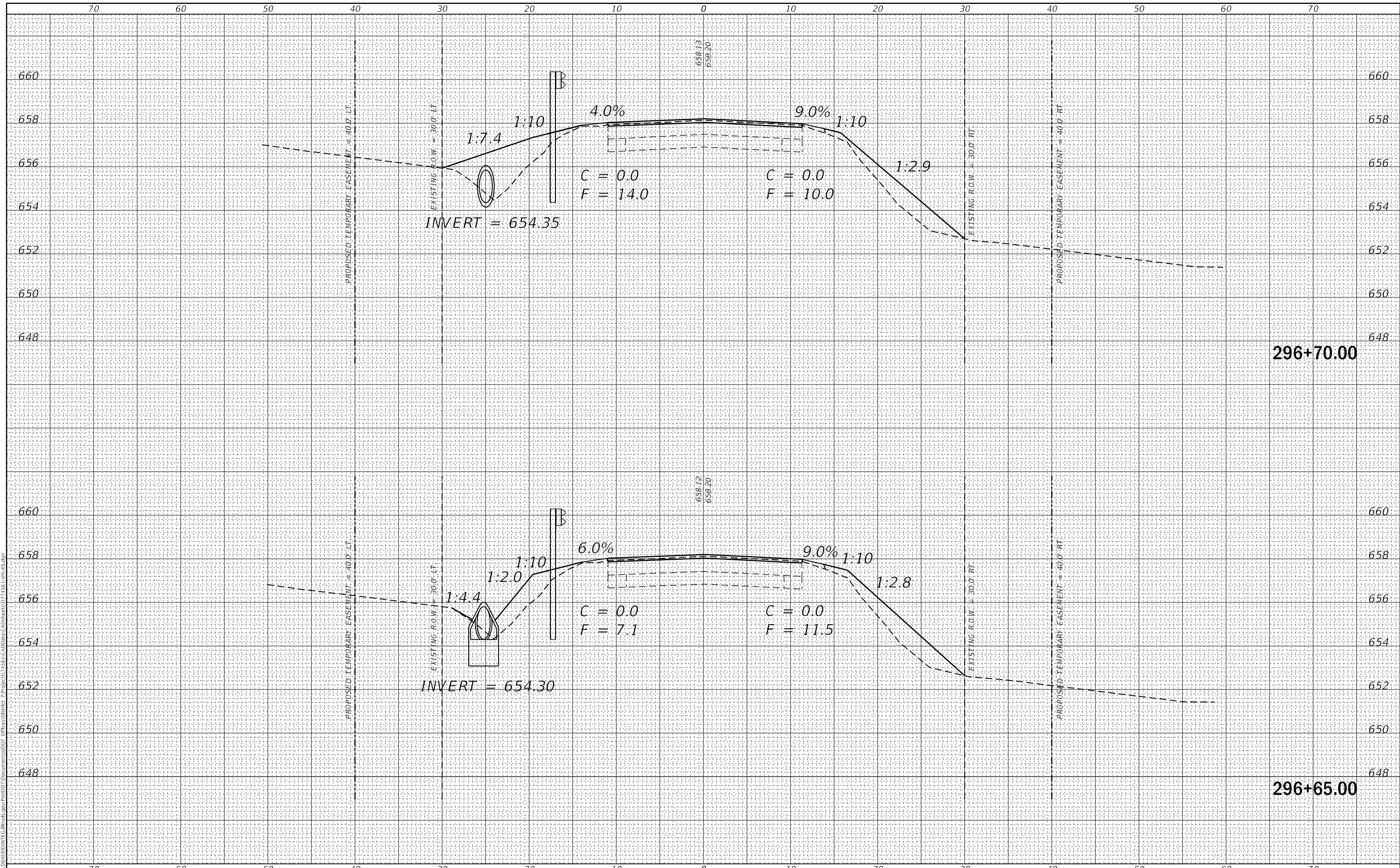
SCALE: SHEET 7 OF 12 SHEETS STA. 296+00.00 TO STA. 296+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1669	(6BR3)BR	COLES	48	43
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

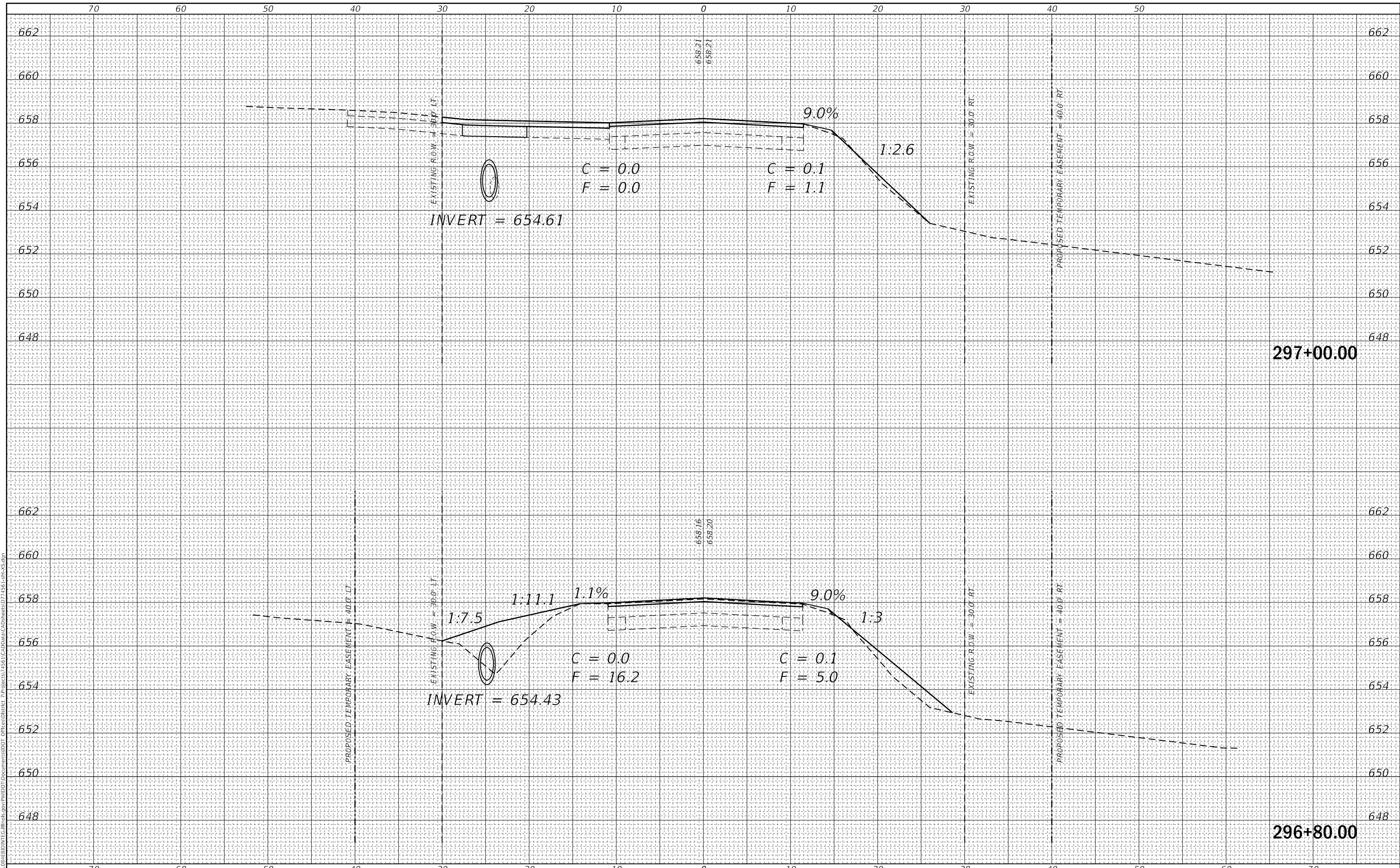
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 SCALE: SHEET 8 OF 12 SHEETS STA. 296+65.00 TO STA. 296+68.38

F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 44
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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

DATE	
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ORIGINAL SURVEY NO.	
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NOTE BOOK	
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PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

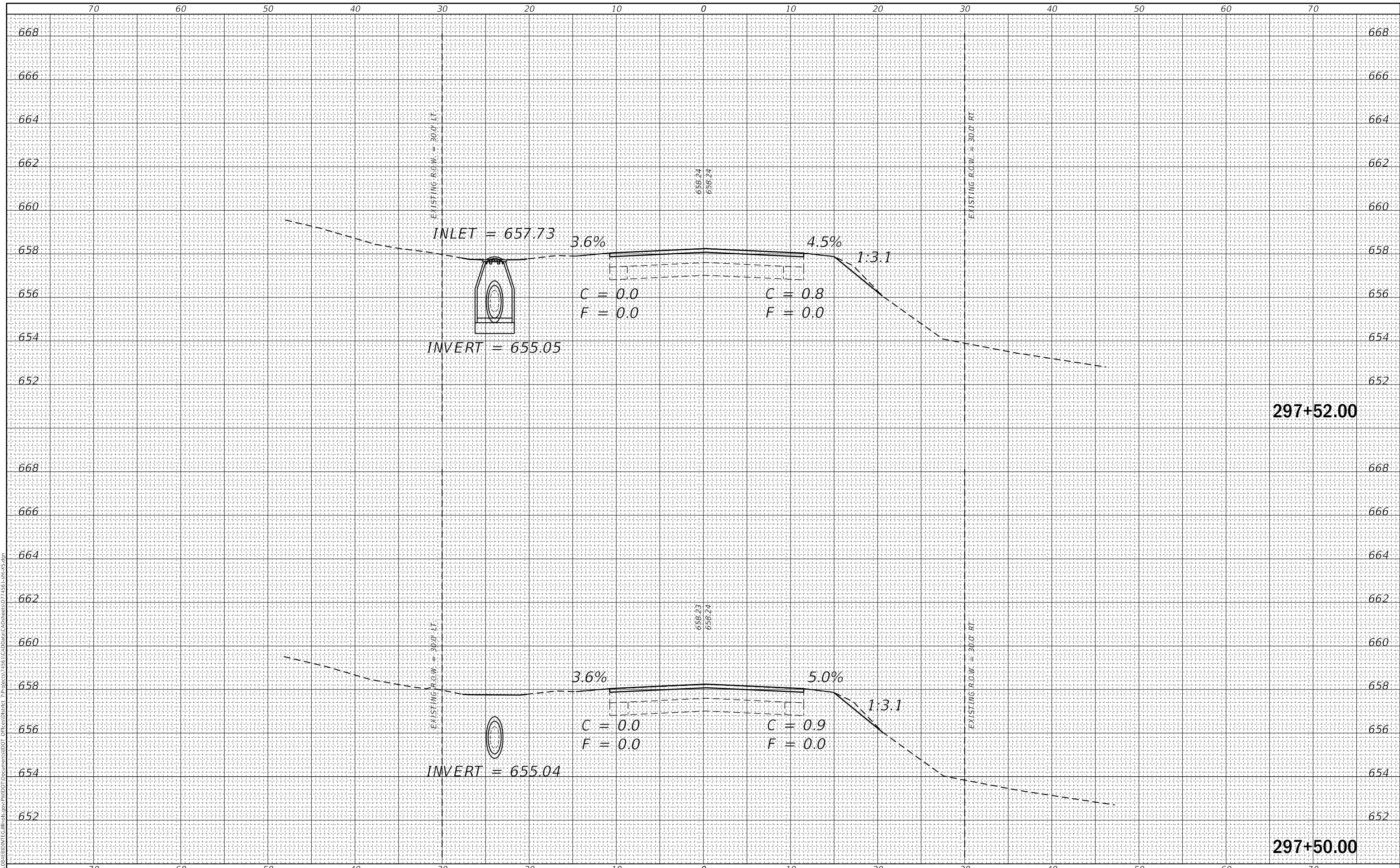
SCALE: SHEET 9 OF 12 SHEETS STA. 296+78.38 TO STA. 296+80.00

F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 45
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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

DATE	
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NOTE BOOK	
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USER NAME = steffemk	DESIGNED -	REVISED -
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PLOT SCALE = 10,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

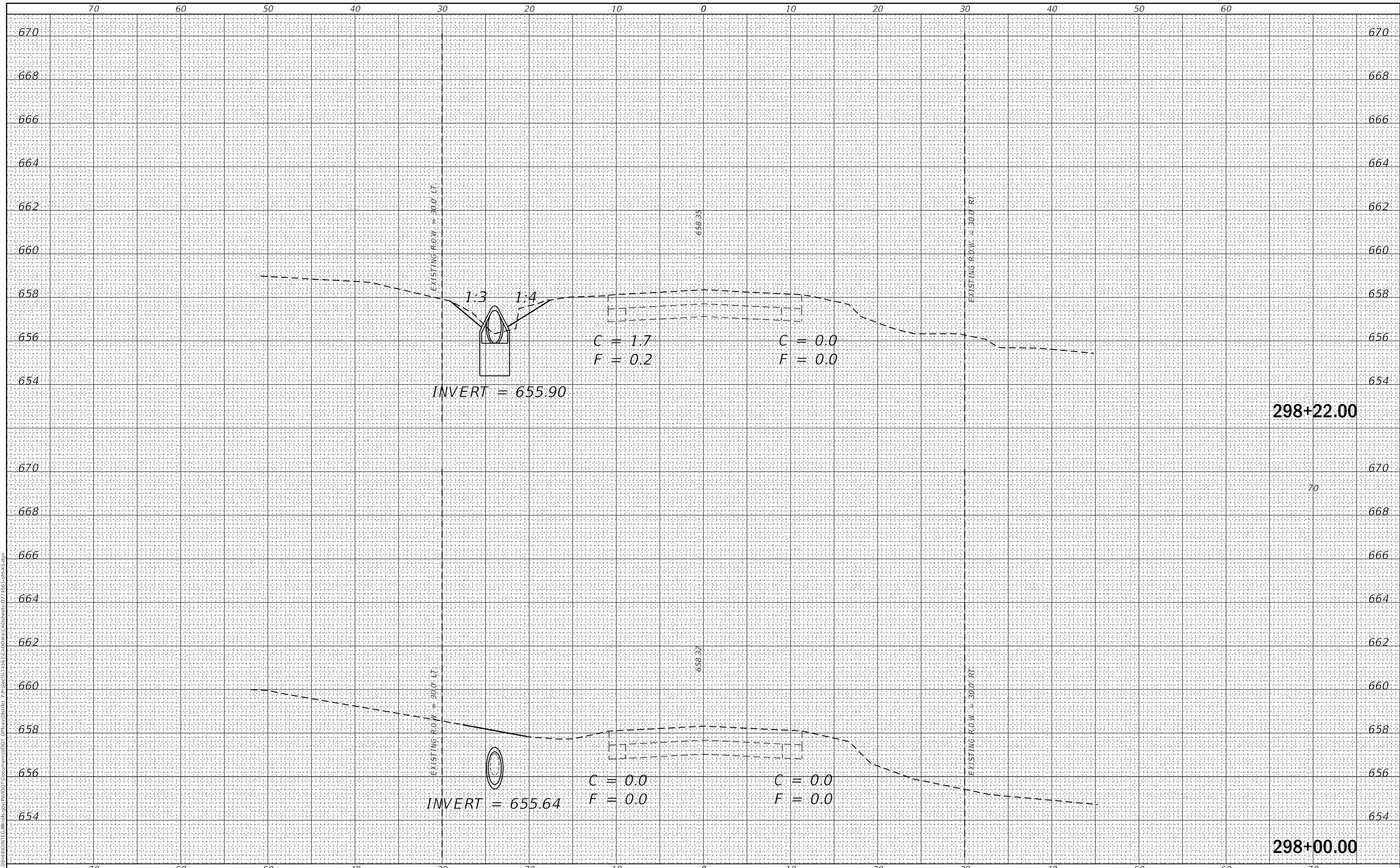
SCALE: SHEET 10 OF 12 SHEETS STA. 297+00.00 TO STA. 297+50.00

F.A.P. RTE. 1669	SECTION (6R3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 46
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = steffemk	DESIGNED -	REVISED -
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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

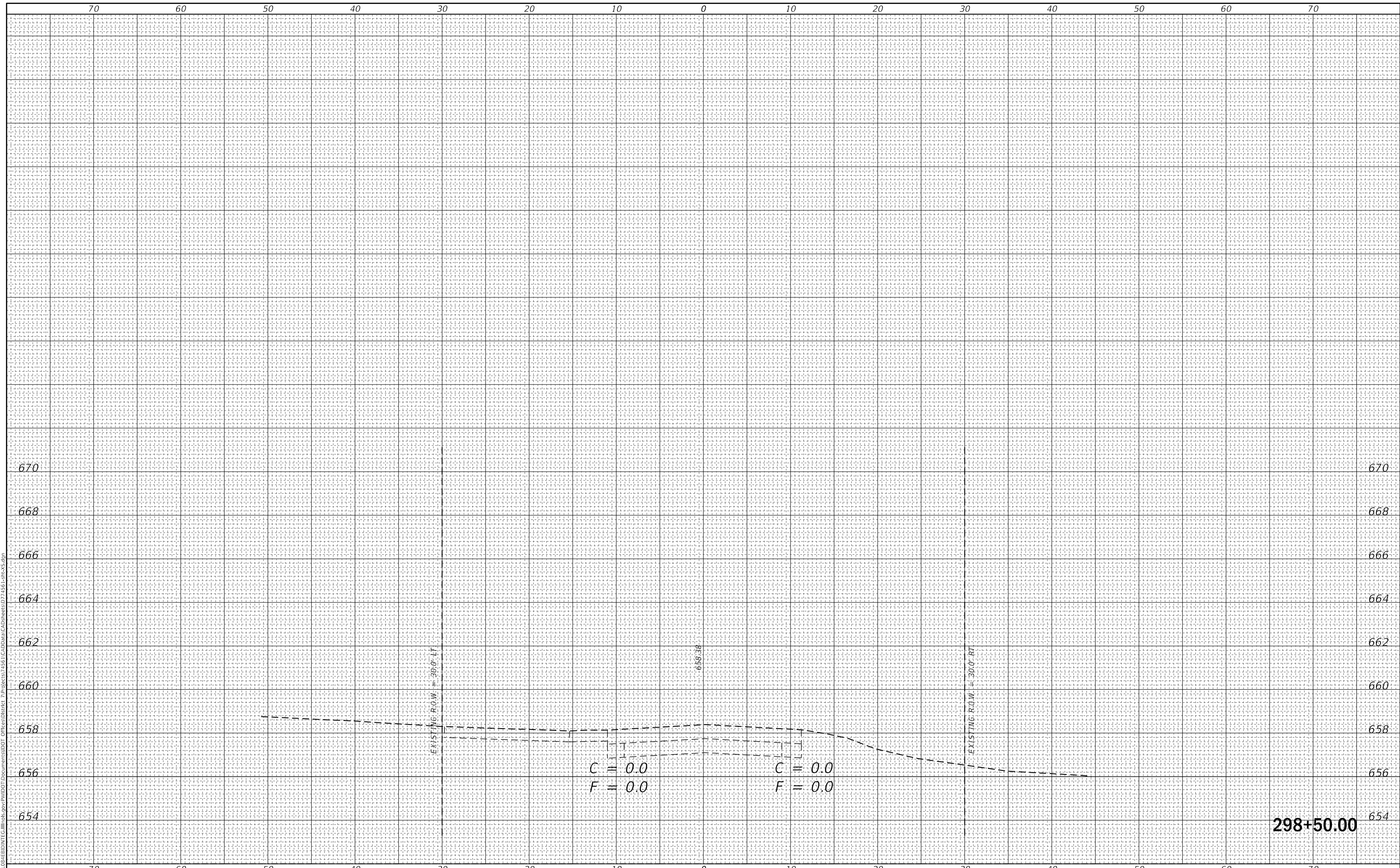
SCALE: SHEET 11 OF 12 SHEETS STA. 297+52.00 TO STA. 298+00.00

F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 47
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 10,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/15/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

SCALE: SHEET 12 OF 12 SHEETS STA. 298+22.00 TO STA. 298+50.00

F.A.P. RTE. 1669	SECTION (6BR3)BR	COUNTY COLES	TOTAL SHEETS 48	SHEET NO. 48
CONTRACT NO. 74561				
ILLINOIS FED. AID PROJECT				