

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

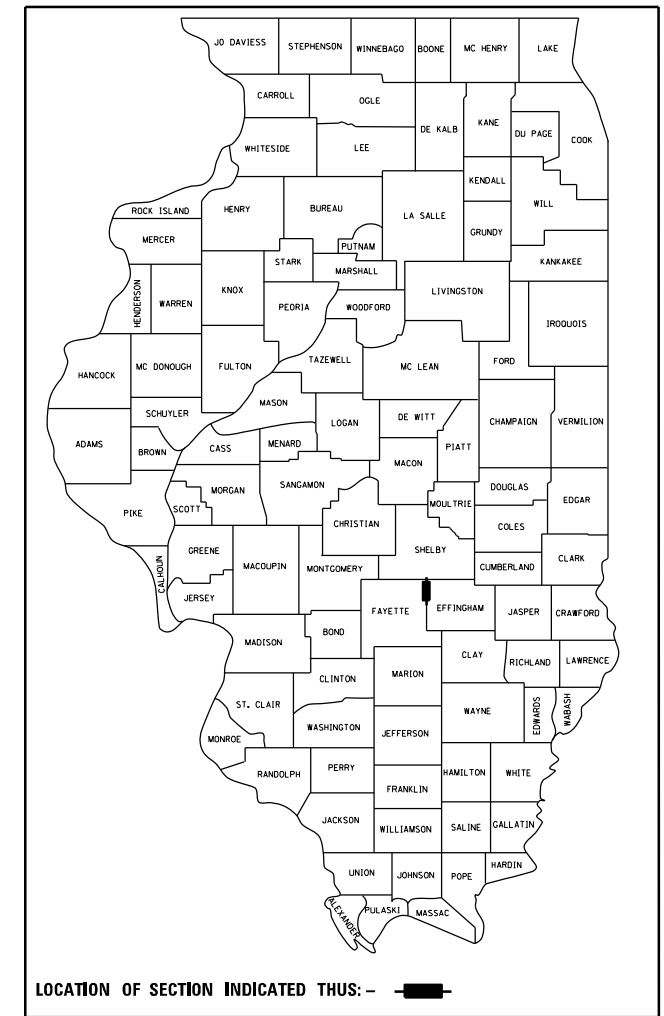
F.A.S. ROUTE 2801 (IL. RTE. 128)
SECTION (103BR-1)B-1
PROJECT STP-EK7V(944)
BRIDGE REPLACEMENT
EFFINGHAM COUNTY
C-97-044-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

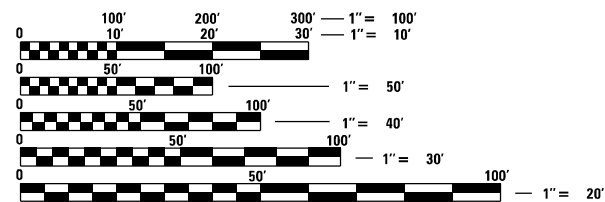
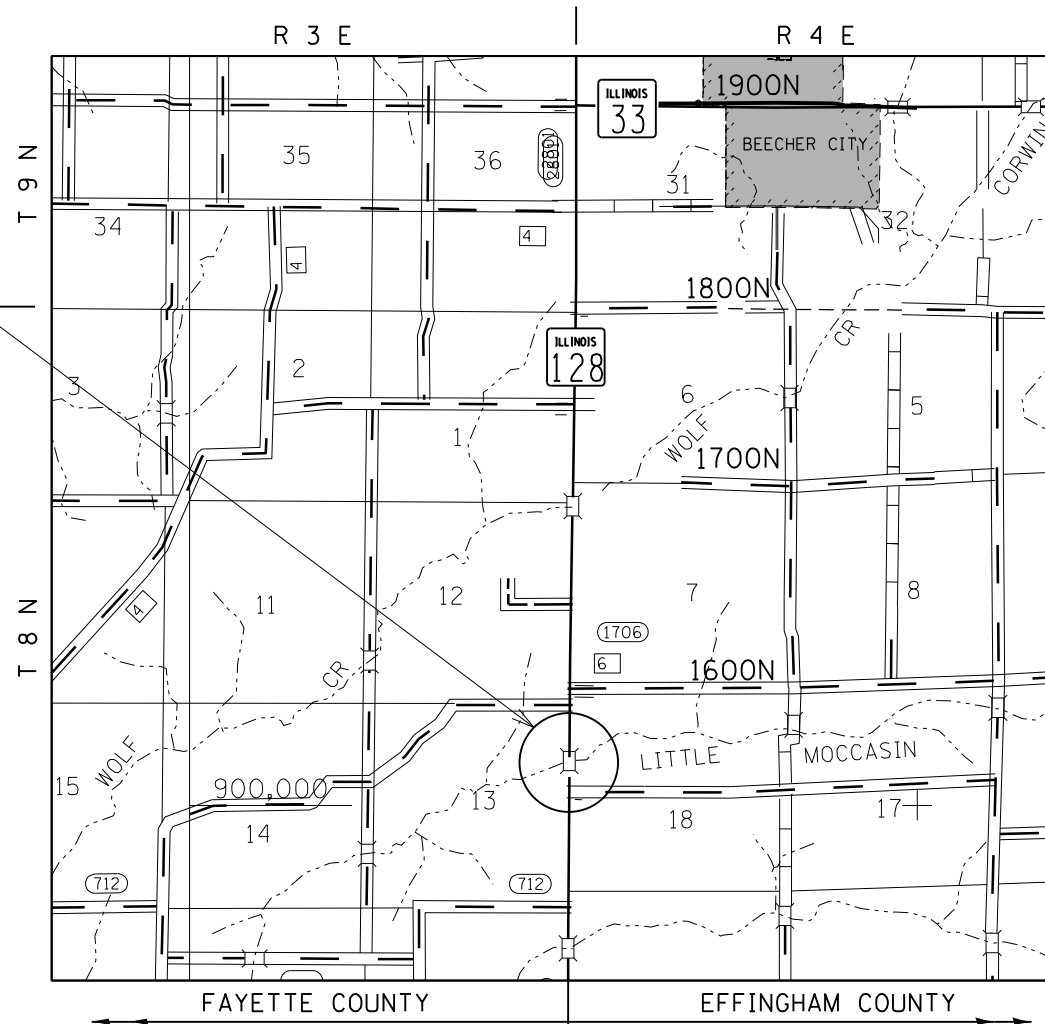
ADT = 1200 (2019)

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	1
		ILLINOIS	CONTRACT NO. 74366	

D-97-021-09



SN 025-0109



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: DALTON LANE
PHONE: (217)-342-8320
CONTRACT NO. 74366

GROSS LENGTH = 700.00 FT. = 0.133 MILE
NET LENGTH = 700.00 FT. = 0.133 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 11 2020

John P. Myr
REGIONAL ENGINEER

December 10 2021
Stephen M. L...
ENGINEER OF DESIGN AND ENVIRONMENT

December 10 2021
Stephen M. L...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 2

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0010		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	145	145		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	123	123		
20400800	FURNISHED EXCAVATION	CU YD	1595	1595		
20700110	POROUS GRANULAR EMBANKMENT	TON	121	121		
25000312	SEEDING, CLASS 4A	ACRE	0.14	0.14		
25000322	SEEDING, CLASS 5A	ACRE	0.14	0.14		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	13	13		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	13	13		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	13	13		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.6	0.6		
25100115	MULCH, METHOD 2	ACRE	0.14	0.14		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	102	102		
28000400	PERIMETER EROSION BARRIER	FOOT	903	903		
28100109	STONE RIPRAP, CLASS A5	SQ YD	803	803		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0010		
28200200	FILTER FABRIC	SQ YD	803	803		
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	469	469		
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	569	569		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	58	58		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1209	1209		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	231	231		
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	152	152		
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	160	160		
44000100	PAVEMENT REMOVAL	SQ YD	74	74		
44000400	GUTTER REMOVAL	FOOT	496	496		
44004250	PAVED SHOULDER REMOVAL	SQ YD	36	36		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	69	69		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	428	428		

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
p:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74366\DRAWN\CADsheets\0774366-shr-soq.dgn		REVISIONS	REVISIONS
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	3
			CONTRACT NO. 74366	
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0010		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1		
50105220	PIPE CULVERT REMOVAL	FOOT	18	18		
50200100	STRUCTURE EXCAVATION	CU YD	227	227		
50300225	CONCRETE STRUCTURES	CU YD	77.3	77.3		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	124.3	124.3		
50300260	BRIDGE DECK GROOVING	SO YD	453	453		
50300300	PROTECTIVE COAT	SO YD	585	585		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	95.4	95.4		
50401315	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL36N	FOOT	449	449		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	71270	71270		
51201700	FURNISHING STEEL PILES HP12X74	FOOT	620	620		
51202305	DRIVING PILES	FOOT	620	620		
51203700	TEST PILE STEEL HP12X74	EACH	2	2		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0010		
51204650	PILE SHOES	EACH	12	12		
51500100	NAME PLATES	EACH	1	1		
54262718	METAL FLARED END SECTIONS 18"	EACH	2	2		
542D1063	PIPE CULVERTS, CLASS D, TYPE 2 18"	FOOT	40	40		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	132	132		
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	76	76		
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	11.2	11.2		
60602800	CONCRETE GUTTER, TYPE B	FOOT	301	301		
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	225	225		
63100041	TRAFFIC BARRIER TERMINAL, TYPE 1B	EACH	1	1		
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		
63200310	GUARDRAIL REMOVAL	FOOT	380	380		

* SPECIALTY ITEM

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
p:\plnroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74366\DRAWING\CADsheets\0774366-shr-soq.dgn		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT SCALE = 100.0000' / in.		
	PLOT DATE = 12/11/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74366	

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0010		
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	70	70		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	23	23		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2382	2382		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2382	2382		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	8	8		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16		
* 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	8	8		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0010		
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2		
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.2	0.2		
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	1	1		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	803	803		
X5012502	CONCRETE REMOVAL (SPECIAL)	CU YD	9.9	9.9		
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	20	20		
Z0004552	APPROACH SLAB REMOVAL	SO YD	247	247		
Z0004638	PAVEMENT BREAKING	SO YD	684	684		
Z0016702	DETOUR SIGNING	L SUM	1	1		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	152	152		

* SPECIALTY ITEM

REV. - MS

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw\plnroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74366\DRAWN\CADsheets\0774366-shr-soq.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/11/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	5
CONTRACT NO. 74366			ILLINOIS FED. AID PROJECT	

RESURFACING SCHEDULE

STATION	TO	STATION	LENGTH	PAVEMENT WIDTH	PAVEMENT BREAKING	POROUS GRANULAR EMBANKMENT	AGGREGATE BASE COURSE, TYPE B 12"	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	HOT-MIX ASPHALT BASE COURSE, 9"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
			FEET	FEET	SQ YD	TON	SQ YD	SQ YD	SQ YD	POUND	TON	TON	SQ YD
1036+63.00	TO	1037+20.00	57.0	24.0	-	-	-	-	-	61	-	15	141
1037+20.00	TO	1037+50.00	30.0	24.0	-	-	-	-	-	69	7	9	76
1037+50.00	TO	1038+00.00	50.0	24.0	-	-	-	-	-	150	53	15	128
1038+00.00	TO	1038+52.00	52.0	24.0	-	-	-	-	-	187	92	16	133
1038+52.00	TO	1039+50.00	98.0	24.0	250	121	-	-	272	235	-	29	-
1039+50.00	TO	1040+28.50	78.5	24.0	214	-	227	-	218	188	-	23	-
1040+28.50	TO	1040+51.00	22.5	32.0	66	-	80	80	-	-	-	-	-
1040+51.00	TO	1041+89.00	138.0	32.0	-	-	-	-	-	-	-	-	-
1041+89.00	TO	1042+11.50	22.5	32.0	70	-	80	80	-	-	-	-	-
1042+11.50	TO	1042+40.00	28.5	24.0	84	-	82	-	79	68	-	9	-
1042+40.00	TO	1043+25.00	85.0	24.0	-	-	-	-	-	204	79	25	229
1043+25.00	TO	1043+63.00	38.0	24.0	-	-	-	-	-	46	-	11	96
TOTALS					684	121	469	160	569	1209	231	152	803

HMA SHOULDER SCHEDULE

STATIONING		LENGTH	LT WIDTH	RT WIDTH	HOT MIX ASPHALT SHOULDERS, 8"
FROM	TO	FEET	FEET	FEET	SQ YD
1037+51.38	1039+25.00	173.62	4	4	154.33
1039+25.00	1039+50.00	25.00	4	4-8	27.78
1039+50.00	1040+11.89	61.89	4	8	82.52
1040+11.89	1040+25.00	13.11	4-8	8	20.39
1040+25.00	1040+28.54	3.54	8	8	6.29
1040+28.54	1040+57.80	29.26	4	4	26.01
1040+57.80	1040+74.20	16.40	-	4	7.29
1040+74.20	1041+65.80	91.60	-	-	-
1041+65.80	1041+82.20	16.40	4	-	7.29
1041+82.20	1042+11.46	29.26	4	4	26.01
1042+11.46	1042+51.00	39.54	8	8	70.29
TOTAL:					428

AGGREGATE SHOULDER SCHEDULE

STATIONING		LENGTH	LT WIDTH	RT WIDTH	AGGREGATE SHOULDER, TYPE B
FROM	TO	FEET	FEET	FEET	TON
1037+54.34	1039+43.75	189.41	3	3	57.5
1039+43.75	1040+21.71	77.96	3	-	11.8
TOTALS:					69

ENTRANCE SCHEDULE

STATION	LT/RT	WIDTH FRONT	WIDTH BACK	DEPTH	AGGREGATE SURFACE COURSE, TYPE B	NOTES
		FEET	FEET	FEET	TON	
1039+98.34	LT	21	8	53	58	12" THICK
TOTALS:					58	

CONCRETE GUTTER

STATIONING		LENGTH	CONCRETE CUTTER, TYPE B	CLASS SI CONCRETE (OUTLET)
FROM	TO	FEET	FEET	CU YD
1036+63.00	1037+25.00	62.00	124	-
1037+25.00	1037+49.00	24.00	-	5.6
1037+49.00	1042+51.00	502.00	-	-
1042+51.00	1042+73.92	22.92	-	5.6
1042+73.92	1042+75.00	1.08	1.1	-
1042+75.00	1043+63.00	88.00	176	-
TOTALS:			301	11.2

PAVEMENT REMOVAL

STATIONING		LENGTH	WIDTH	SHOULDER WIDTH	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	APPROACH SLAB REMOVAL
FROM	TO	FEET	FEET	FEET	SQ YD	SQ YD	SQ YD
1040+51.00	1040+66.41	15.41	19	8	33	14	-
1040+66.41	1040+96.41	30.00	37	-	-	-	123
1040+96.41	1041+38.91	42.50	-	-	-	-	-
1041+38.91	1041+68.94	30.03	37	-	-	-	124
1041+68.94	1041+89.00	20.06	18.5	10	41	22	-
TOTALS					74	36	247

GUTTER REMOVAL

STATIONING		LENGTH	GUTTER REMOVAL
FROM	TO	FEET	FEET
1036+63.00	1038+05.15	142.15	284.3
1038+05.15	1038+15.32	10.17	10.2
1038+15.32	1042+58.50	443.18	-
1042+58.50	1042+66.00	7.50	7.5
1042+66.00	1043+63.00	97.00	194
TOTALS:			496

CONCRETE REMOVAL

STATION	LT/RT	CONCRETE REMOVAL (SPECIAL)
		CU YD
1038+05.15	LT	2.03
1038+15.32	RT	2.30
1039+17.50	RT	2.41
1042+58.53	LT	1.41
1042+66.00	RT	1.75
TOTAL:		9.9

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
p:\plnroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74366\DRAWN\CADsheets\0774366-shr-sch.dgn		CHECKED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/11/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	7
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

LOCATION	LENGTH	FURNISHED EXCAVATION	TOPSOIL FURNISH AND PLACE, 4" *
	FEET	CU YD	SQ YD
1036+75	0	0	0
1037+00	25	0	3
1037+25	25	0	5.1
1037+50	25	0	19.0
1037+75	25	4.1	45.5
1038+00	25	18.7	59.4
1038+25	25	31.3	57.8
1038+50	25	31.3	54.2
1038+75	25	29.5	60.4
1039+00	25	31.8	66.6
1039+25	25	34.1	68.4
1039+50	25	50.0	79.3
1039+75	25	69.4	68.2
1040+00	25	93.9	79.0
1040+25	25	108.0	114.1
1040+50	25	102.5	124.7
1040+75	25	167.1	65
1041+00	25	115.2	0
1041+25	25	0	0.0
1041+50	25	0	90.7
1041+75	25	130.7	173.8
1042+00	25	214.0	152.7
1042+25	25	146.3	117.0
1042+50	25	93.9	91.9
1042+75	25	40.2	48.1
1043+00	25	9.5	4
1043+25	25	0.2	0
1043+50	25	0	0
TOTALS:		1522	1648
ENTRANCE			
0+00	0	0	0
0+12.5	12.5	0	0
0+25	12.5	25.7	0
0+37.5	12.5	26.7	0
0+50	12.5	18.0	0
0+62.5	12.5	3.7	0
TOTALS:		74	0
PROJECT TOTALS:		1595	1648

*FOR INFORMATION ONLY, NOT A PAY ITEM

SEEDING & FERTILIZER SCHEDULE

STATION	SEEDING, CLASS 2 (SPECIAL)	TEMPORARY EROSION CONTROL SEEDING	NITROGEN FERTILIZER NURTIENT *	PHOSPHORUS FERTILIZER NURTIENT *	POTASSIUM FERTILIZER NURTIENT *	MULCH, METHOD 2 *	AGRICULTURAL GROUND LIMESTONE *
	ACRE	POUND	POUND	POUND	POUND	ACRE	TON
1037+00.0	0.000	0.00	0.00	0.00	0.00	0.000	0.000
1037+25.0	0.001	0.05	0.05	0.05	0.05	0.001	0.002
1037+50.0	0.001	0.11	0.10	0.10	0.10	0.001	0.004
1037+75.0	0.004	0.39	0.35	0.35	0.35	0.004	0.016
1038+00.0	0.009	0.94	0.85	0.85	0.85	0.009	0.038
1038+25.0	0.012	1.23	1.11	1.11	1.11	0.012	0.049
1038+50.0	0.012	1.19	1.07	1.07	1.07	0.012	0.048
1038+75.0	0.011	1.12	1.01	1.01	1.01	0.011	0.045
1039+00.0	0.012	1.25	1.12	1.12	1.12	0.012	0.050
1039+25.0	0.014	1.38	1.24	1.24	1.24	0.014	0.055
1039+50.0	0.014	1.41	1.27	1.27	1.27	0.014	0.057
1039+75.0	0.016	1.64	1.47	1.47	1.47	0.016	0.066
1040+00.0	0.014	1.41	1.27	1.27	1.27	0.014	0.056
1040+25.0	0.016	1.63	1.47	1.47	1.47	0.016	0.065
1040+50.0	0.024	2.36	2.12	2.12	2.12	0.024	0.094
1040+75.0	0.026	2.58	2.32	2.32	2.32	0.026	0.103
1041+00.0	0.013	1.35	1.21	1.21	1.21	0.013	0.054
1041+25.0	-	0.00	-	-	-	-	-
1041+50.0	-	0.00	-	-	-	-	-
1041+75.0	-	1.87	-	-	-	-	-
1042+00.0	-	3.59	-	-	-	-	-
1042+25.0	-	3.15	-	-	-	-	-
1042+50.0	-	2.42	-	-	-	-	-
1042+75.0	-	1.90	-	-	-	-	-
1043+00.0	-	0.99	-	-	-	-	-
1043+25.0	-	0.08	-	-	-	-	-
TOTALS:	0.20	102	18	18	18	0.20	0.8

* FOR INFORMATION ONLY, NOT A PAY ITEM

SEEDING & FERTILIZER SCHEDULE

STATION	SEEDING, CLASS 4A	SEEDING, CLASS 5A	NITROGEN FERTILIZER NURTIENT	PHOSPHORUS FERTILIZER NURTIENT	POTASSIUM FERTILIZER NURTIENT	MULCH, METHOD 2	AGRICULTURAL GROUND LIMESTONE
	ACRE	ACRE	POUND	POUND	POUND	ACRE	TON
1037+00.0	-	-	-	-	-	-	-
1037+25.0	-	-	-	-	-	-	-
1037+50.0	-	-	-	-	-	-	-
1037+75.0	-	-	-	-	-	-	-
1038+00.0	-	-	-	-	-	-	-
1038+25.0	-	-	-	-	-	-	-
1038+50.0	-	-	-	-	-	-	-
1038+75.0	-	-	-	-	-	-	-
1039+00.0	-	-	-	-	-	-	-
1039+25.0	-	-	-	-	-	-	-
1039+50.0	-	-	-	-	-	-	-
1039+75.0	-	-	-	-	-	-	-
1040+00.0	-	-	-	-	-	-	-
1040+25.0	-	-	-	-	-	-	-
1040+50.0	-	-	-	-	-	-	-
1040+75.0	-	-	-	-	-	-	-
1041+00.0	-	-	-	-	-	-	-
1041+25.0	0.000	0.000	0.00	0.00	0.00	0.000	0.000
1041+50.0	0.019	0.019	0.00	0.00	0.00	0.000	0.000
1041+75.0	0.036	0.036	1.69	1.69	1.69	0.019	0.075
1042+00.0	0.032	0.032	3.23	3.23	3.23	0.036	0.144
1042+25.0	0.024	0.024	2.84	2.84	2.84	0.032	0.126
1042+50.0	0.019	0.019	2.18	2.18	2.18	0.024	0.097
1042+75.0	0.010	0.010	1.71	1.71	1.71	0.019	0.076
1043+00.0	0.001	0.001	0.90	0.90	0.90	0.010	0.040
1043+25.0	0.000	0.000	0.07	0.07	0.07	0.001	0.003
TOTALS:	0.14	0.14	13	13	13	0.14	0.6

EROSION BARRIER SCHEDULE

STATIONING		LT/RT	PERIMETER EROSION BARRIER FOOT
FROM	TO		
1037+50.00	1040+75.16	LT	354
1037+50.00	1040+70.00	RT	320
1041+72.25	1042+48.00	LT	94
1041+75.00	1043+00.00	RT	135
TOTAL:			903

PAVEMENT MARKING SCHEDULE

STATION TO STATION	LENGTH FEET	PAINT PAVEMENT MARKING - LINE 4" FEET	TEMPORARY PAVEMENT MARKING - LINE 4" FEET	SHORT-TERM PAVEMENT MARKING FEET	SHORT-TERM PAVEMENT MARKING REMOVAL SQ FT	RAISED REFLECTIVE PAVEMENT MARKER EACH
1036+63.00 TO 1038+32.00	169.0	547.0	547.0	17	5.6	2.0
1038+32.00 TO 1039+34.00	102.0	438.0	438.0	10	3.4	1.0
1039+34.00 TO 1043+63.00	429.0	1397.0	1397.0	43	14.2	5.0
TOTALS		2382	2382	70	23	8

TREE REMOVAL SCHEDULE

LOCATION	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
	UNIT	UNIT
NW CORNER	98.3	59.7
SW CORNER	46.6	63.5
NE CORNER	0	0
SE CORNER	0	0
TOTALS:	145	123

GUARDRAIL SCHEDULE

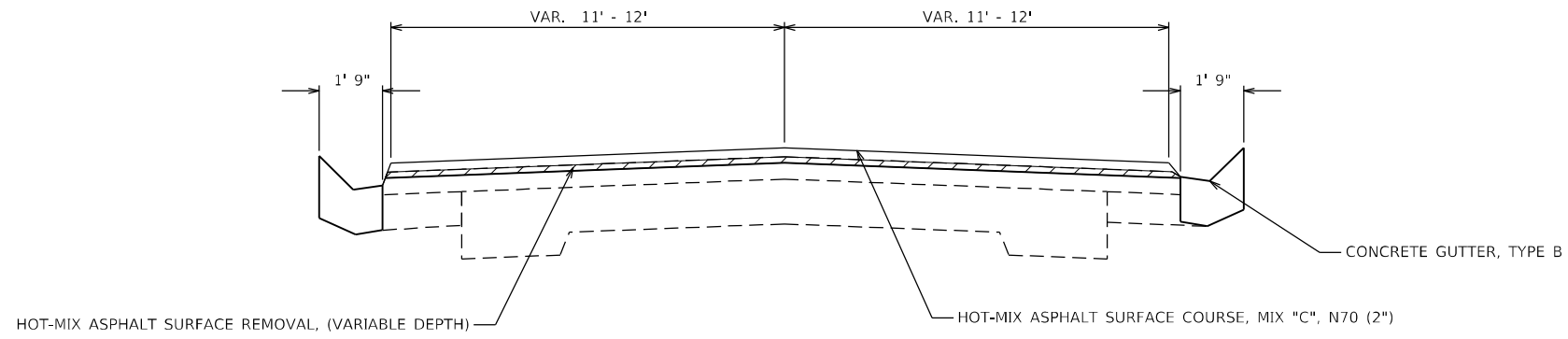
LOCATION	GUARDRAIL REMOVAL FOOT	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT) EACH	TRAFFIC BARRIER TERMINAL, TYPE 1B EACH	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS FOOT	TRAFFIC BARRIER TERMINAL, TYPE 6 EACH	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) FOOT	GUARDRAIL REFLECTORS, TYPE A EACH	BARRIER WALL REFLECTORS, TYPE B EACH	TERMINAL MARKERS - DIRECT APPLIED EACH
NORTHEAST CORNER	52.5	-	-	-	1	20.0	4	2	-
SOUTHEAST CORNER	112.0	-	1	62.5	1	-	4	2	-
NORTHWEST CORNER	126.0	1	-	112.5	1	-	4	2	1
SOUTHWEST CORNER	89.5	1	-	50.0	1	-	4	2	1
TOTALS=	380	2	1	225	4	20	16	8	2

*
*4 ON EACH BRIDGE
PARAPET WALL

PROPOSED TYPICAL SECTIONS

STA. 1036+63 TO STA. 1037+35

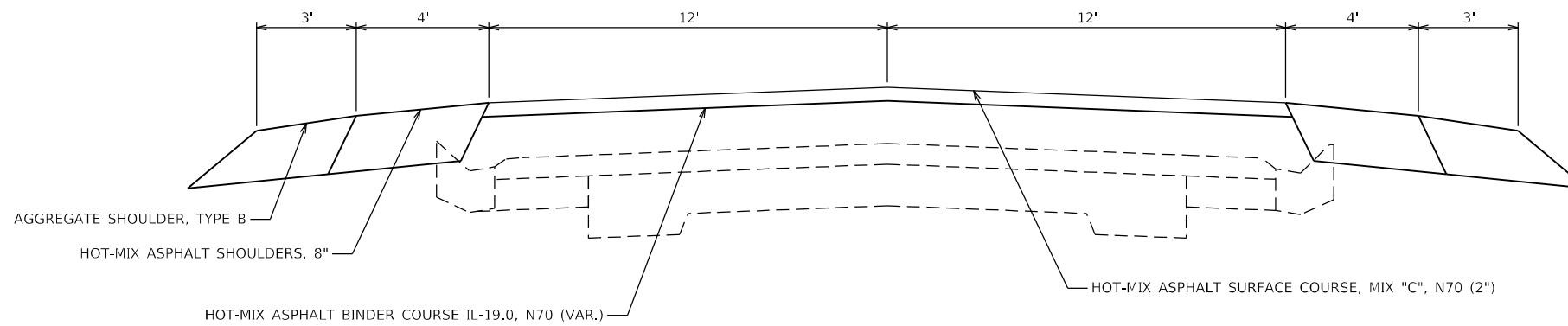
STA. 1043+63 TO STA. 1042+95



PROPOSED TYPICAL SECTIONS

STA. 1037+35 TO STA. 1038+52

STA. 1042+95 TO STA. 1042+40



MODEL: Default
 FILE NAME: p:\pub\harronm.dwt\illinois.gov\PWIDOT\Documents\DOT_Offices\District_7\Projects\74366\CADD\Drawings\74366-stctypical.dwg

USER NAME = steffnmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

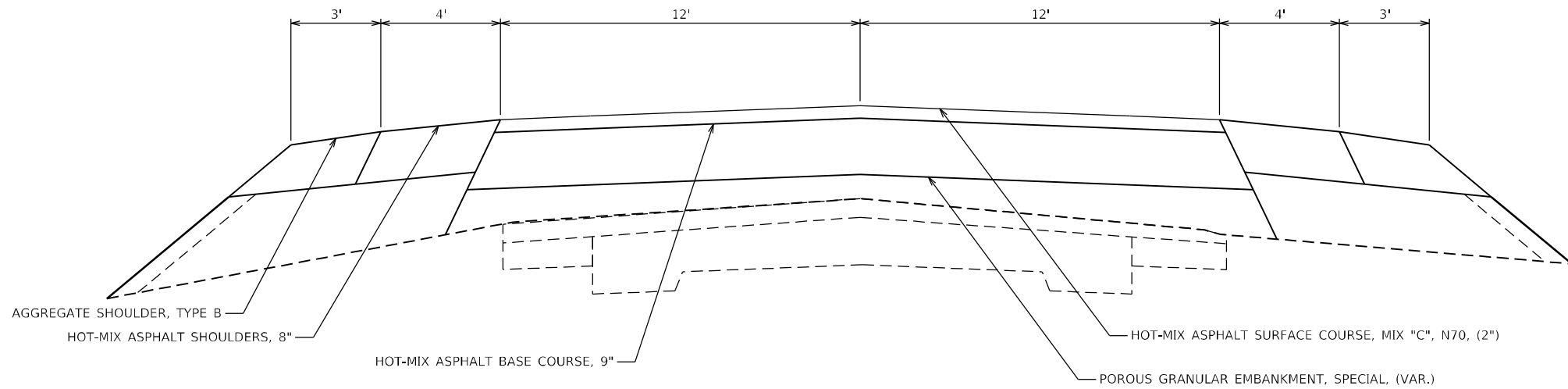
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	10
CONTRACT NO. 74366			ILLINOIS FED. AID PROJECT	

PROPOSED TYPICAL SECTIONS

STA. 1038+52 TO STA. 1039+50

STA. 1042+40 TO STA. 1041+95



AGGREGATE SHOULDER, TYPE B

HOT-MIX ASPHALT SHOULDERS, 8"

HOT-MIX ASPHALT BASE COURSE, 9"

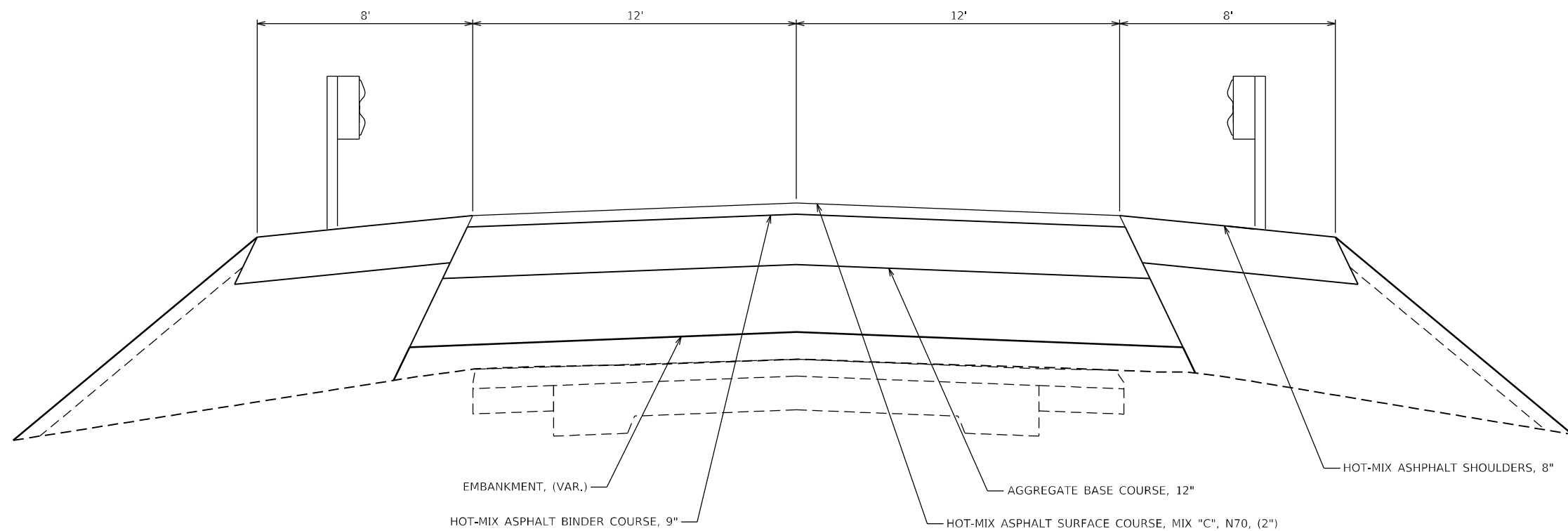
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, (2")

POROUS GRANULAR EMBANKMENT, SPECIAL, (VAR.)

PROPOSED TYPICAL SECTIONS

STA. 1039+50 TO STA. 1040+51

STA. 1041+95 TO STA. 1041+89



EMBANKMENT, (VAR.)

HOT-MIX ASPHALT BINDER COURSE, 9"

AGGREGATE BASE COURSE, 12"

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, (2")

HOT-MIX ASPHALT SHOULDERS, 8"

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

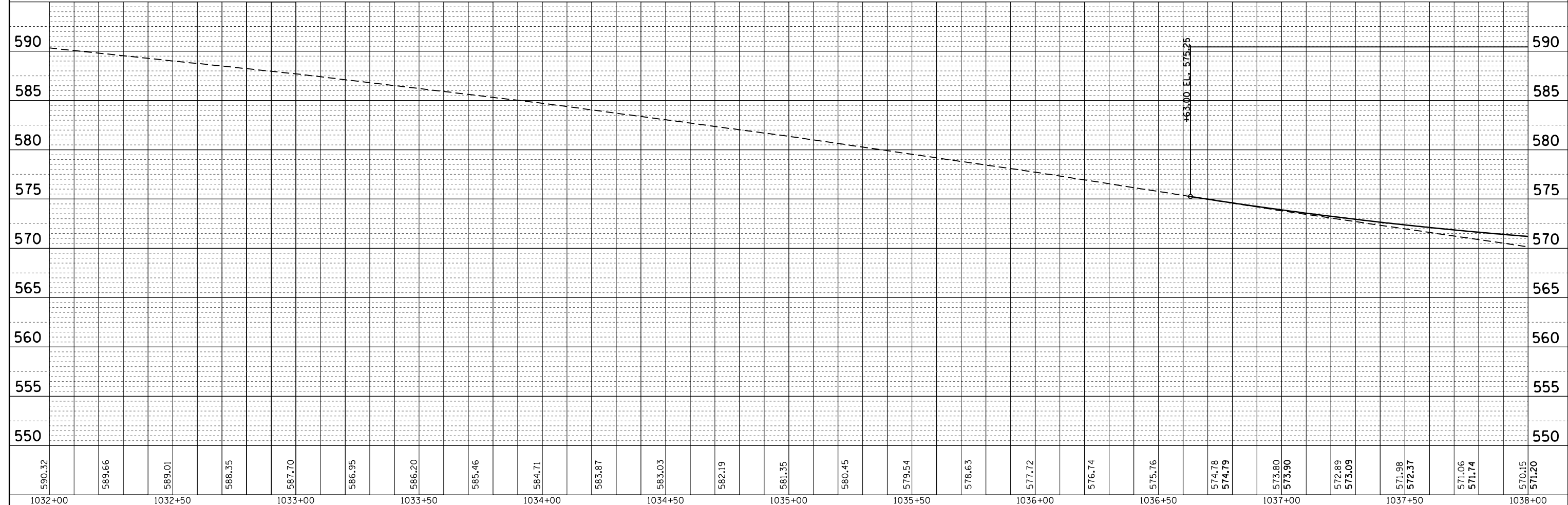
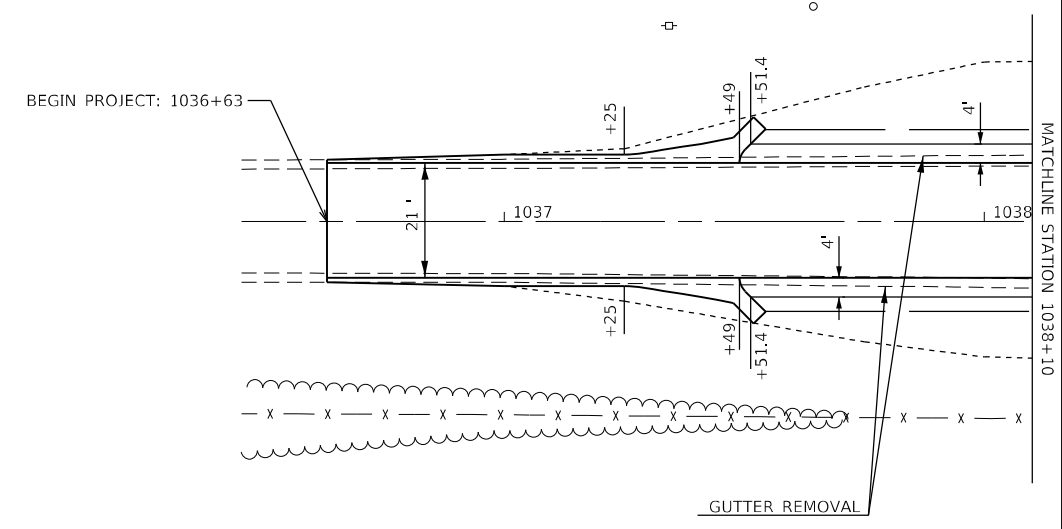
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	11
			CONTRACT NO. 74366	
			ILLINOIS FED. AID PROJECT	

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

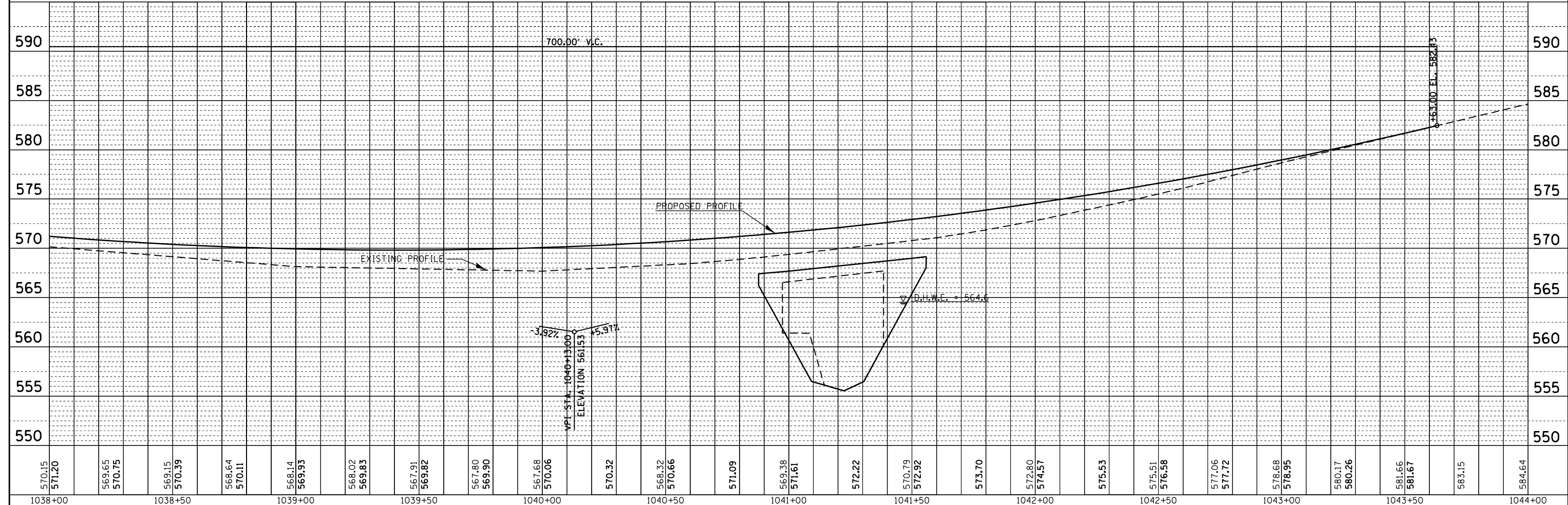
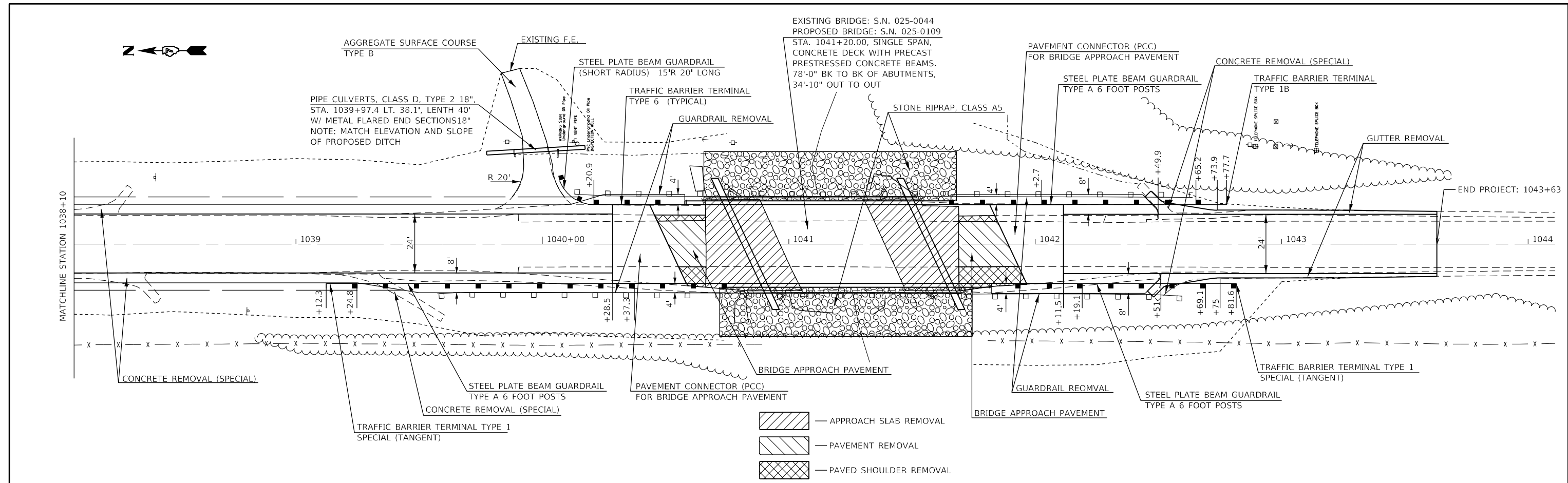
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOTATIONS		



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE		F.A.S. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\plnroom.dot\illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74366\CD\DRAWING\Drawings\0774366-sht-pln.dgn		CHECKED -	REVISED -		2801	(103BR-1)B-1	EFFINGHAM	68	12		
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		SHEET NO. 1 OF 2 SHEETS		STA. 1036+63 TO STA. 1038+10		CONTRACT NO. 74366		
PLOT DATE = 12/11/2020		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHECKED		
	NO. _____		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		
	NO. _____		



570.15	571.20	569.65	570.75	569.15	570.39	568.64	570.11	568.14	569.93	568.02	569.83	567.91	569.82	567.80	569.90	567.68	570.06	570.32	568.32	570.66	571.09	569.38	571.61	572.22	570.79	572.92	573.70	572.80	574.57	575.53	575.51	576.58	577.06	577.72	578.68	578.95	580.17	580.26	581.66	581.67	583.15	584.64
1038+00	1038+50	1039+00	1039+50	1040+00	1040+50	1041+00	1041+50	1042+00	1042+50	1043+00	1043+50	1044+00																														

FILE NAME =
 USER NAME = steffennk
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 12/11/2020

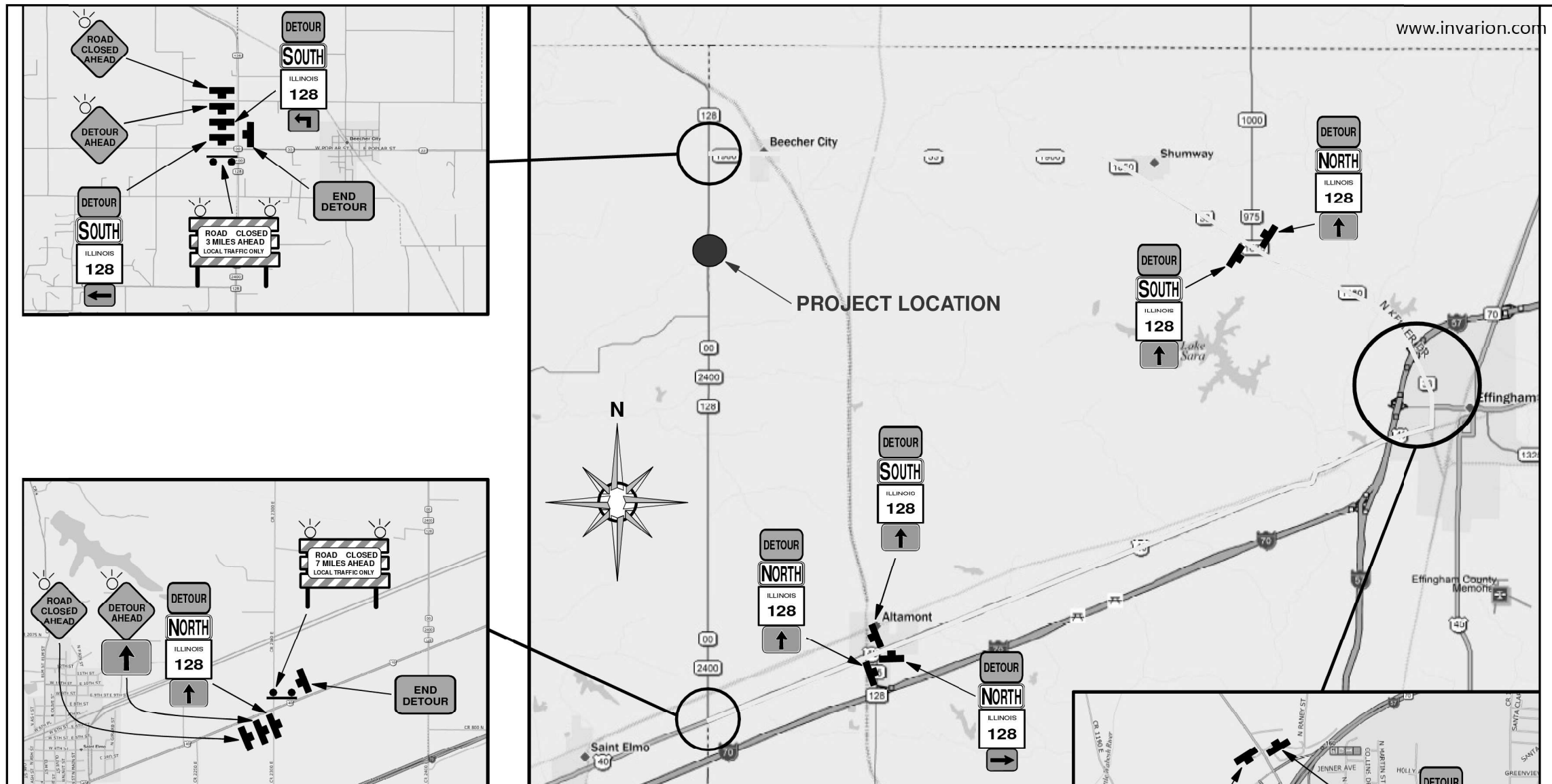
DESIGNED -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE
 SHEET NO. 2 OF 2 SHEETS
 STA. 1038+10 TO STA. 1043+63

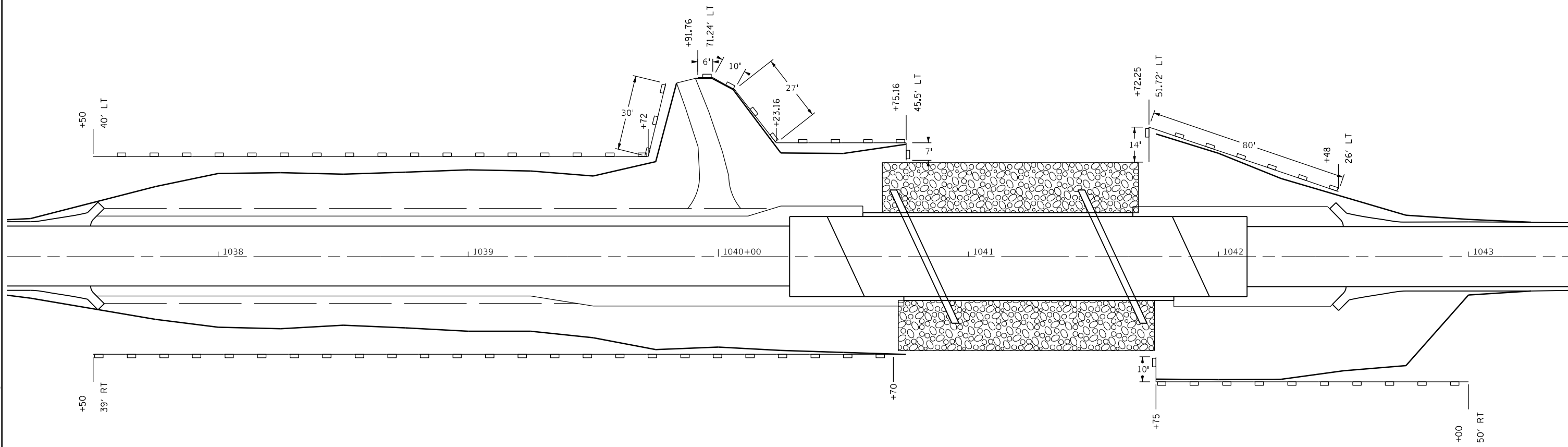
F.A.S. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	13
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				



IL 128 CLOSURE BY STANDARDS BLR 21 & 701901

SIGN LEGEND

	W20-3-48		M3-3-3015		M6-3(O)-3018		M6-1L/R(O)-3018
	W20-2-48		M3-1-3015		M5-1R(O)-3018		M5-1L(O)-3018
	W20-2(O)-48		M1-1100-4536		R11-3a-6030		M4-8a(O)-3024



PERIMETER EROSION BARRIER

MODEL: Default
 FILE NAME: p:\pub\lhamon.dwg
 PROJECT: 74366-CA00Data\CAD\Drawings\74366-structure.dwg

USER NAME = steffenmk	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 12/11/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

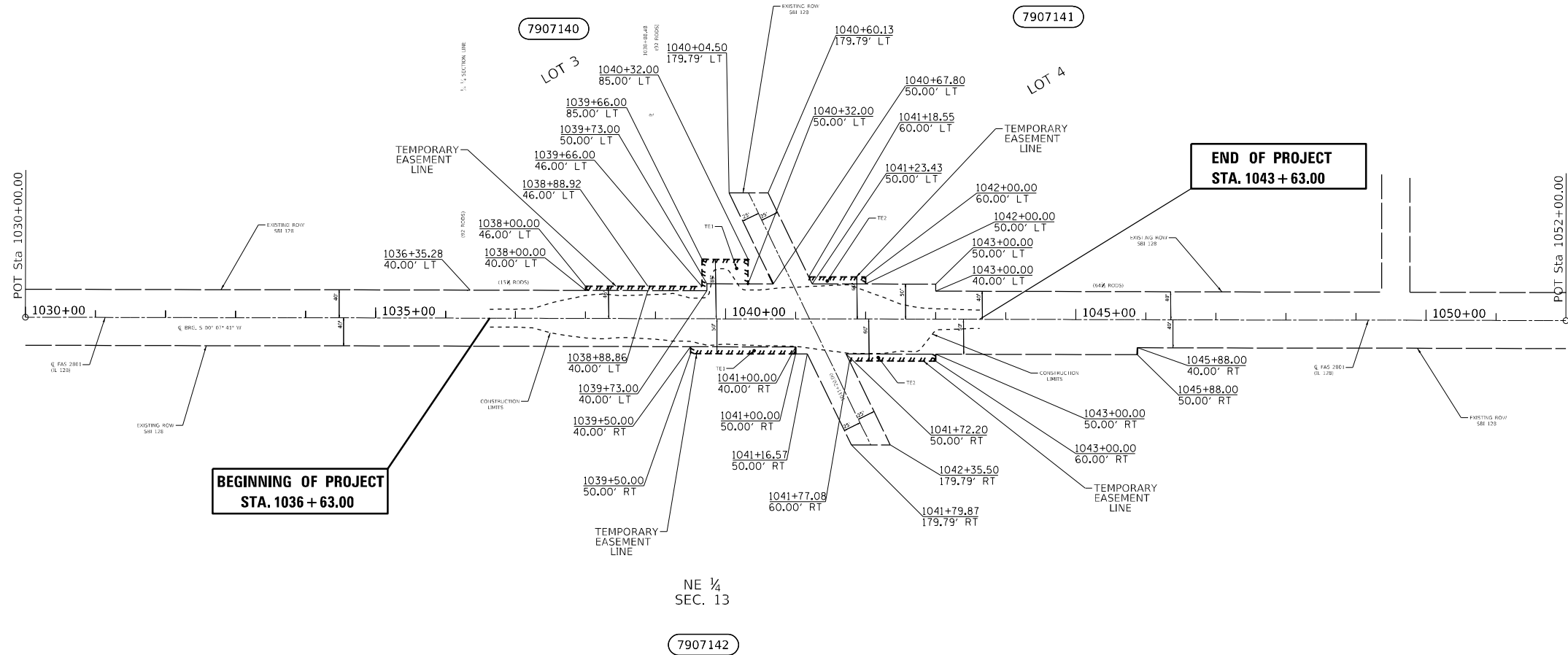
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	15
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

T.8N.-R.4E., 3rd P.M., MOCCASIN TWP.



SW 1/4 NW 1/4
SEC. 18



NE 1/4
SEC. 13

T.8N.-R.3E., 3rd P.M., LOUDON TWP.

- - EXISTING IRON PIN
- - SET IRON PIN
- ▲ - EXISTING STONE
- - EXISTING ROW MARKER
- (R) - RECORDED DISTANCE

NOTE:
BEARINGS ARE REFERENCED TO THE
ILLINOIS STATE PLANE COORDINATE
SYSTEM EAST ZONE DATUM OF 1983(97)

TEMPORARY EASEMENTS NEEDED FOR A
WORK AREA

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS		
		ADD	EXIST				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD	
7907140	GARY W. SPOONEMORE AND THERESA S. SOMERS			0.012									
7907141	THOMAS H. CLARK, WENDY K. CLARK, AND KIMBERLY CLARK			0.083									
7907142	HOLEY WOOD AND KAREN WOOD			0.063									

MODEL: Default
 FILE NAME: p:\mtd\mtdroom.dwg
 PROJECT: 74366\CADD\DATA\CADD\PROJECTS\74366-STR\CONV\B-1.dwg

USER NAME = steffemk	DESIGNED - BAB	REVISED -
	DRAWN - BAB	REVISED -
PLOT SCALE = 200,000' / in.	CHECKED - JMD	REVISED -
PLOT DATE = 12/11/2020	DATE - 07/18/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 100' SHEET 1 OF 1 SHEETS STA. 1030+00.00 TO STA. 1052+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(1038R-1) B-1	EFFINGHAM	68	16
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

Benchmark: 526 Chiseled "□" on top of abutment cap at Southeast corner of Structure 025-0044, Station 385+52, 20.2' RT, Elevation = 567.70

Existing Structure: S.N. 025-0044 was originally built in 1930 as SBI Route 128, Section 103B, consisting of a reinforced concrete T-beam superstructure skewed at 25 degrees on closed abutments. In 1991, the bridge was reconstructed with a wider PPC deck beam superstructure and new abutment caps placed on the original closed abutments. The existing structure length is 46'-0 3/4" back-to-back abutment and 39'-0" out-to-out width. The existing \bar{c} of structure is at 1041+17.91. Traffic will be detoured during construction.

Salvage: None

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES

FIELD UNITS

$f'c = 4,000$ psi (superstructure)
 $f'c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

PRECAST PRESTRESSED UNITS

$f'c = 8,500$ psi
 $f'ci = 6,500$ psi
 $f_{pu} = 270,000$ psi (0.6" dia. low lax strands)
 $f_{pbt} = 202,300$ psi (0.6" dia. low lax strands)

LOADING HL-93

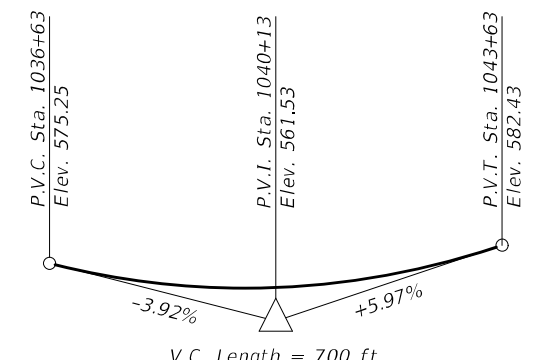
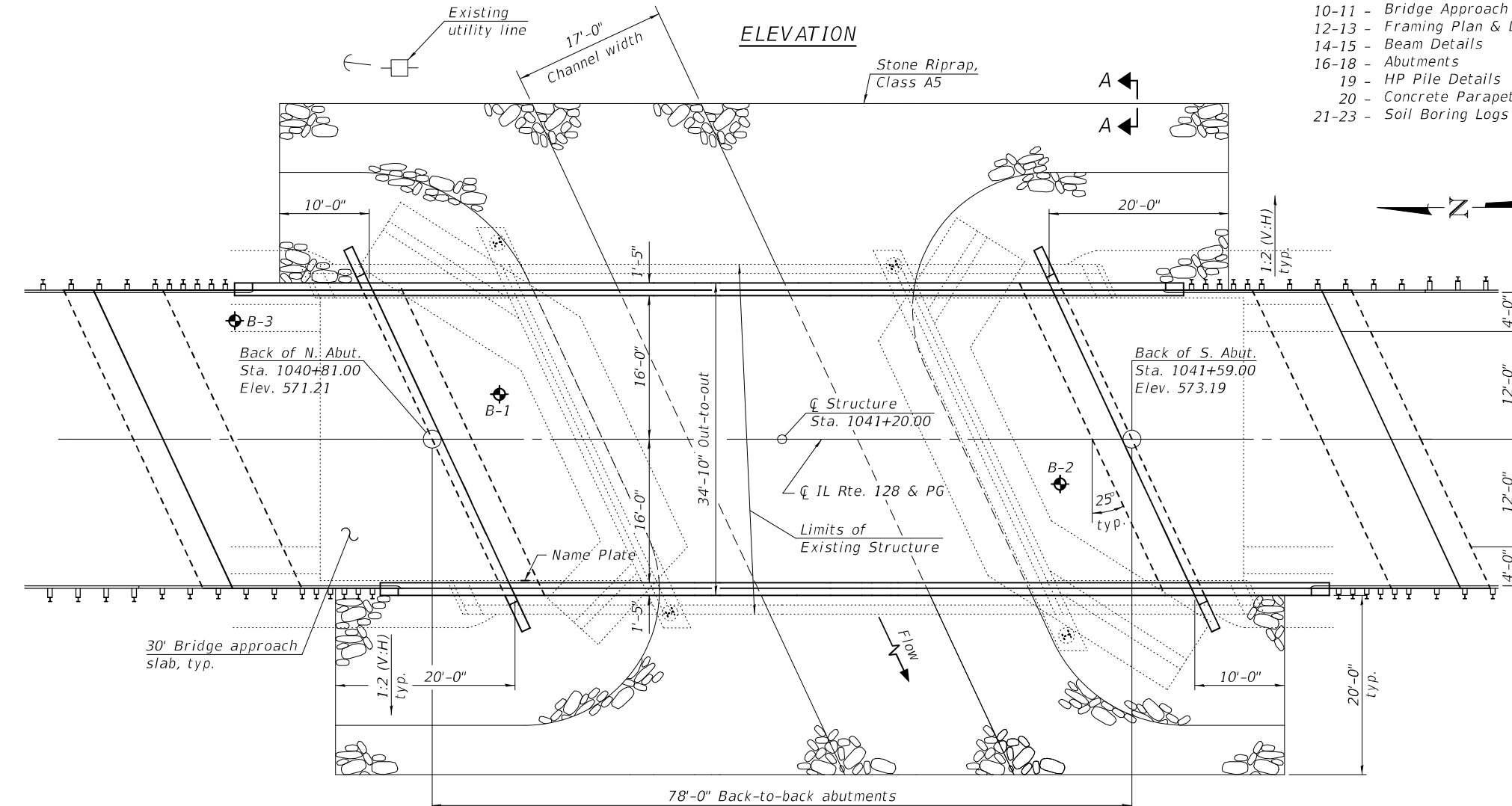
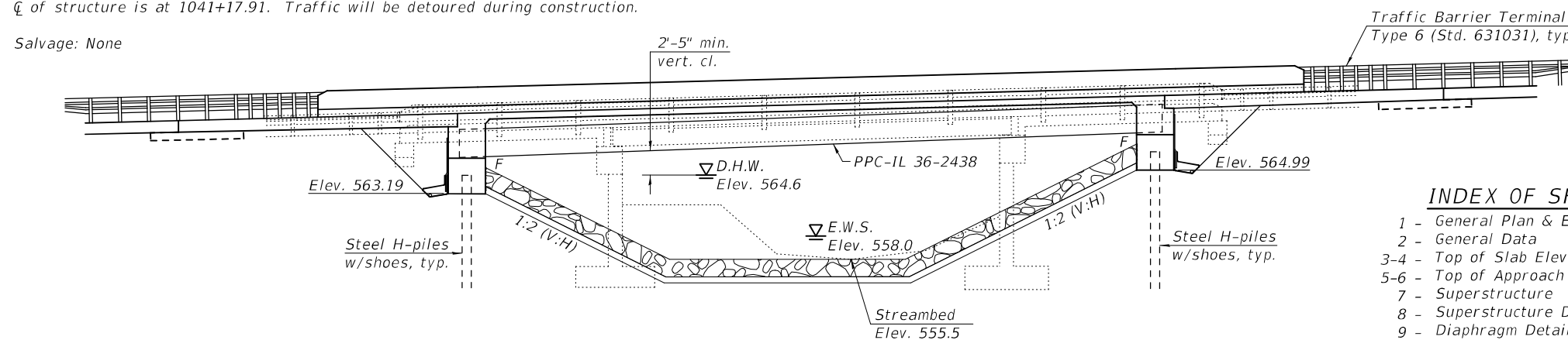
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

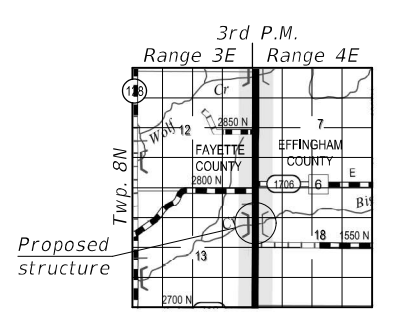
Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.057 g
 Design Spectral Acceleration at 0.2 sec. (SDS) = 0.097 g
 Soil Site Class = C

INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - General Data
- 3-4 - Top of Slab Elevations
- 5-6 - Top of Approach Slab Elevations
- 7 - Superstructure
- 8 - Superstructure Details
- 9 - Diaphragm Details
- 10-11 - Bridge Approach Slab Details
- 12-13 - Framing Plan & Details
- 14-15 - Beam Details
- 16-18 - Abutments
- 19 - HP Pile Details
- 20 - Concrete Parapet Slipforming Option
- 21-23 - Soil Boring Logs



PROFILE GRADE
 (Along \bar{c} IL Rte. 128)



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 128 OVER
LITTLE MOCCASIN CREEK
F.A.S. RTE. 2801 - SEC. (103BR-1)B-1
EFFINGHAM COUNTY
STATION 1041+20.00
STRUCTURE NO. 025-0109



EXPIRES 11-30-2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

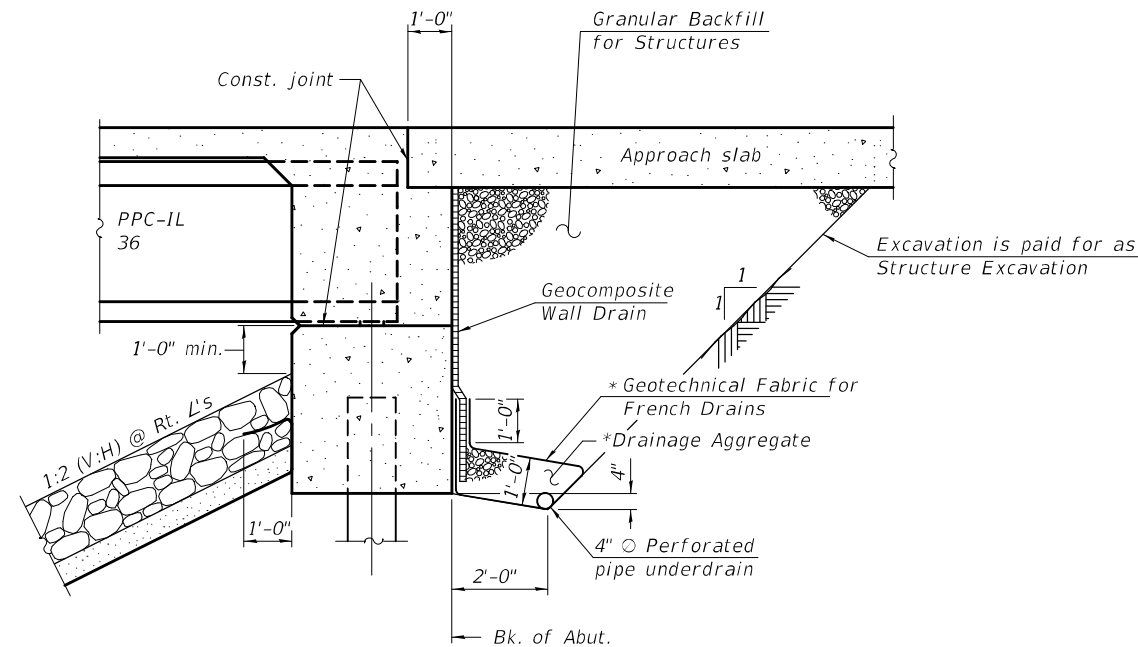
DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Jay F. [Signature]</i>	DATE - 01/14/2021
CHECKED - PAUL S. JOHNSON	PASSED - <i>Sh. Carl Puzey</i>	REVISOR -
DRAWN - J.M.W. / M.B.M.	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -
CHECKED - T.L.M. / P.S.J.		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	17
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

MODEL: 0250109-74366-001
 FILE NAME: p:\w\planroom\dot.illinois.gov\PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn
 1/13/2021 9:25:47 AM

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.



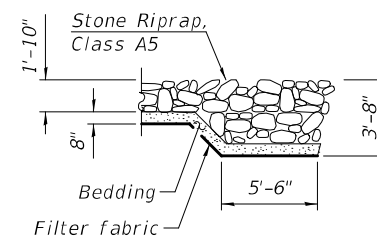
SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

*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).

STA. 1041+20.00
BUILT 20 BY
STATE OF ILLINOIS
F.A.S. RTE. 2801 - SEC. (103BR-1)B-1
LOADING HL-93
STRUCTURE NO. 025-0109

NAME PLATE
See Std. 515001



SECTION A-A

WATERWAY INFORMATION

Existing Low Grade Elev. 567.68 @ Sta. 1040+00
Drainage Area = 5.61 sq. mi. Proposed Low Grade Elev. 569.93 @ Sta. 1039+50

Flood Yr.	Freq.	Q	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
10	1210	194	241	563.5	0.7	0.3	564.2	563.8	
Design	50	1940	235	296	564.6	1.4	0.6	566.0	565.2
Base	100	2260	246	311	564.9	1.8	0.8	566.7	565.7
Overtopping	215	2700	261		565.3	2.4		567.7	565.3
Max. Calc.	500	3060	272	349	565.6	3.3	1.3	568.9	566.9

10 Year velocity (Existing) = 6.2 fps
10 Year velocity (Proposed) = 5.0 fps

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)		
	N. Abut.	S. Abut.	Item 113
Q100	563.2	565.0	8
Q200	563.2	565.0	
Design	563.2	565.0	
Check	563.2	565.0	

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		803	803
Filter Fabric	Sq. Yd.		803	803
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		227	227
Concrete Structures	Cu. Yd.		77.3	77.3
Concrete Superstructure	Cu. Yd.	124.3		124.3
Bridge Deck Grooving	Sq. Yd.	453		453
Protective Coat	Sq. Yd.	585		585
Concrete Superstructure (Approach Slab)	Cu. Yd.	95.4		95.4
Furnishing and Erecting Precast Prestressed Concrete Beams, IL36N	Foot	449		449
Reinforcement Bars, Epoxy Coated	Pound	62,750	8,520	71,270
Furnishing Steel Piles HP12x74	Foot		620	620
Driving Piles	Foot		620	620
Test Pile Steel HP12x74	Each		2	2
Pile Shoes	Each		12	12
Name Plates	Each	1		1
Granular Backfill for Structures	Cu. Yd.		132	132
Geocomposite Wall Drain	Sq. Yd.		76	76
Pipe Underdrains for Structures 4"	Foot		152	152

MODEL: 0250109-74366-002
FILE NAME: p:\w\lanroom\dot.illinois.gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

DESIGNED -	TIFFANY L. MEIER
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	T.L.M. / P.S.J.

EXAMINED	<i>Joanne F. Jaffe</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Carl R. Rupp</i> ENGINEER OF BRIDGES AND STRUCTURES

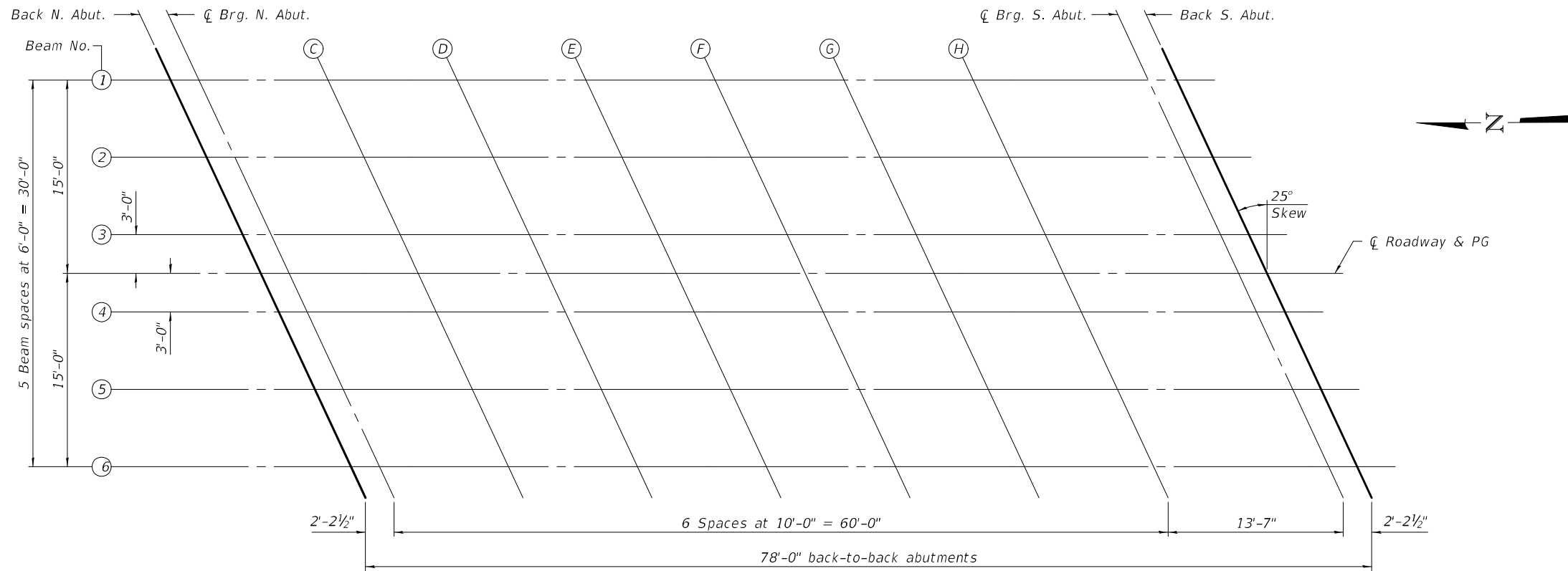
DATE -	JANUARY 14, 2021
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 025 - 0109

SHEET 2 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	18
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		



PLAN

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	1040+74.01	-15.00	570.83	570.83
Q Brg. N. Abut.	1040+76.21	-15.00	570.87	570.87
C	1040+86.21	-15.00	571.07	571.10
D	1040+96.21	-15.00	571.29	571.33
E	1041+06.21	-15.00	571.51	571.57
F	1041+16.21	-15.00	571.75	571.82
G	1041+26.21	-15.00	572.01	572.06
H	1041+36.21	-15.00	572.28	572.31
Q Brg. S. Abut.	1041+49.80	-15.00	572.67	572.67
Back S. Abut.	1041+52.01	-15.00	572.73	572.73

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	1040+76.80	-9.00	570.99	570.99
Q Brg. N. Abut.	1040+79.01	-9.00	571.03	571.03
C	1040+89.01	-9.00	571.24	571.26
D	1040+99.01	-9.00	571.45	571.50
E	1041+09.01	-9.00	571.68	571.74
F	1041+19.01	-9.00	571.93	571.99
G	1041+29.01	-9.00	572.19	572.24
H	1041+39.01	-9.00	572.46	572.50
Q Brg. S. Abut.	1041+52.60	-9.00	572.86	572.86
Back S. Abut.	1041+54.80	-9.00	572.92	572.92

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	1040+79.60	-3.00	571.13	571.13
Q Brg. N. Abut.	1040+81.81	-3.00	571.18	571.18
C	1040+91.81	-3.00	571.39	571.41
D	1041+01.81	-3.00	571.61	571.65
E	1041+11.81	-3.00	571.84	571.90
F	1041+21.81	-3.00	572.09	572.15
G	1041+31.81	-3.00	572.35	572.40
H	1041+41.81	-3.00	572.63	572.66
Q Brg. S. Abut.	1041+55.39	-3.00	573.03	573.03
Back S. Abut.	1041+57.60	-3.00	573.10	573.10

MODEL: 0250109-74366-003
FILE NAME: p:\lanroom\dot.illinois.gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

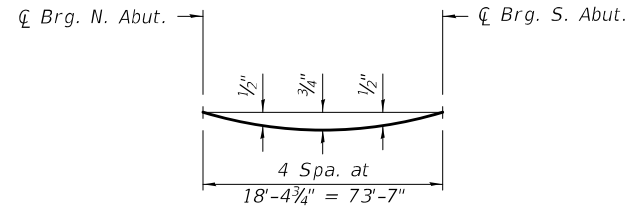
DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Joanne F. Joffe</i>	DATE - JANUARY 14, 2021
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl Kruger</i>	REVISER -
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -
CHECKED - T.L.M. / P.S.J.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 025 - 0109

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	19
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

SHEET 3 OF 23 SHEETS

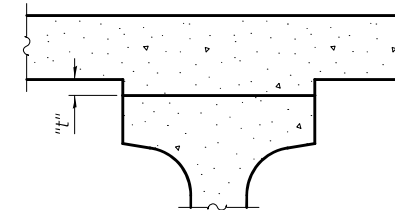


DEAD LOAD DEFLECTION DIAGRAM

(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 below and on sheet 3 of 23.



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 3 of 23. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflections" shown below and on sheet 3 of 23, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	1040+81.00	0.00	571.21	571.21
C Brg. N. Abut.	1040+83.21	0.00	571.25	571.25
C	1040+93.21	0.00	571.46	571.49
D	1041+03.21	0.00	571.68	571.73
E	1041+13.21	0.00	571.92	571.98
F	1041+23.21	0.00	572.17	572.23
G	1041+33.21	0.00	572.44	572.49
H	1041+43.21	0.00	572.72	572.75
C Brg. S. Abut.	1041+56.79	0.00	573.12	573.12
Back S. Abut.	1041+59.00	0.00	573.19	573.19

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	1040+82.40	3.00	571.19	571.19
C Brg. N. Abut.	1040+84.61	3.00	571.23	571.23
C	1040+94.61	3.00	571.45	571.47
D	1041+04.61	3.00	571.67	571.72
E	1041+14.61	3.00	571.91	571.97
F	1041+24.61	3.00	572.16	572.22
G	1041+34.61	3.00	572.43	572.48
H	1041+44.61	3.00	572.71	572.75
C Brg. S. Abut.	1041+58.19	3.00	573.12	573.12
Back S. Abut.	1041+60.40	3.00	573.18	573.18

BEAM 5

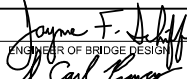

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	1040+85.20	9.00	571.16	571.16
C Brg. N. Abut.	1040+87.40	9.00	571.20	571.20
C	1040+97.40	9.00	571.42	571.44
D	1041+07.40	9.00	571.65	571.69
E	1041+17.40	9.00	571.89	571.95
F	1041+27.40	9.00	572.15	572.21
G	1041+37.40	9.00	572.42	572.47
H	1041+47.40	9.00	572.70	572.74
C Brg. S. Abut.	1041+60.99	9.00	573.11	573.11
Back S. Abut.	1041+63.20	9.00	573.18	573.18

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	1040+87.99	15.00	571.11	571.11
C Brg. N. Abut.	1040+90.20	15.00	571.16	571.16
C	1041+00.20	15.00	571.37	571.40
D	1041+10.20	15.00	571.61	571.65
E	1041+20.20	15.00	571.85	571.91
F	1041+30.20	15.00	572.12	572.18
G	1041+40.20	15.00	572.39	572.44
H	1041+50.20	15.00	572.68	572.71
C Brg. S. Abut.	1041+63.79	15.00	573.10	573.10
Back S. Abut.	1041+65.99	15.00	573.17	573.17

MODEL: 0250109-74366-004
FILE NAME: p:\planroom\dot\illinois.gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109\CADD Plans\0250109-74366.dgn

DESIGNED -	TIFFANY L. MEIER
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	T.L.M. / P.S.J.

EXAMINED		DATE -	JANUARY 14, 2021
PASSED		REVISOR -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 025 - 0109**

SHEET 4 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	20
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

EAST EDGE OF SHOULDER

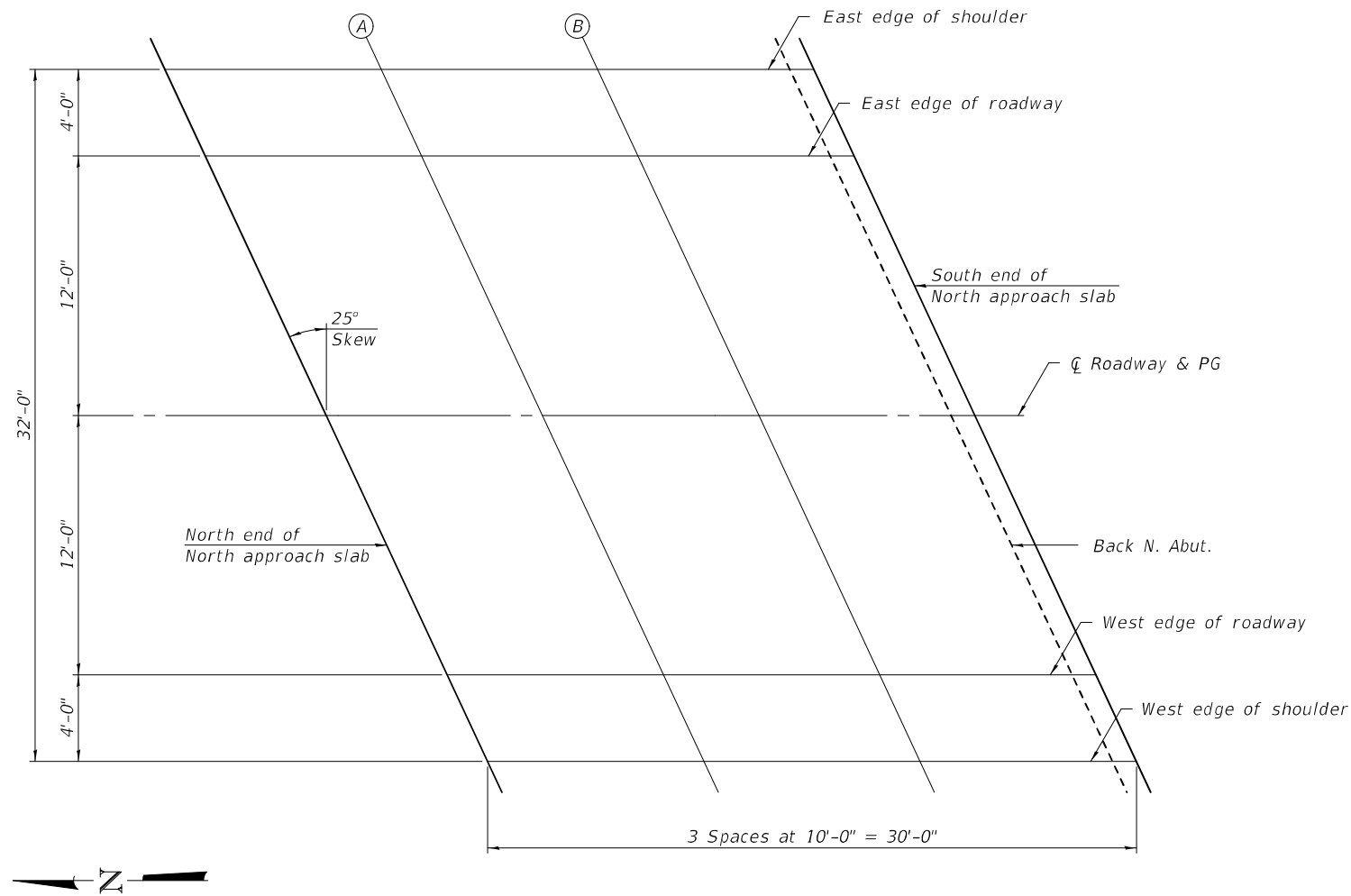
Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Apr.	1040+44.64	-16.00	570.32
A	1040+54.64	-16.00	570.47
B	1040+64.64	-16.00	570.64
S. End of N. Apr.	1040+74.64	-16.00	570.82

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Apr.	1040+46.51	-12.00	570.43
A	1040+56.51	-12.00	570.58
B	1040+66.51	-12.00	570.75
S. End of N. Apr.	1040+76.51	-12.00	570.94

CL ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Apr.	1040+52.10	0.00	570.69
A	1040+62.10	0.00	570.86
B	1040+72.10	0.00	571.04
S. End of N. Apr.	1040+82.10	0.00	571.23



WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Apr.	1040+57.70	12.00	570.60
A	1040+67.70	12.00	570.78
B	1040+77.70	12.00	570.96
S. End of N. Apr.	1040+87.70	12.00	571.16

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Apr.	1040+59.56	16.00	570.55
A	1040+69.56	16.00	570.73
B	1040+79.56	16.00	570.92
S. End of N. Apr.	1040+89.56	16.00	571.12

MODEL: 0250109-74366-005
 FILE NAME: p:\lanroom\dot.illinois.gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

DESIGNED -	TIFFANY L. MEIER
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	T.L.M. / P.S.J.

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

DATE -	JANUARY 14, 2021
REVISED -	
REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
 STRUCTURE NO. 025 - 0109

SHEET 5 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	21
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

EAST EDGE OF SHOULDER

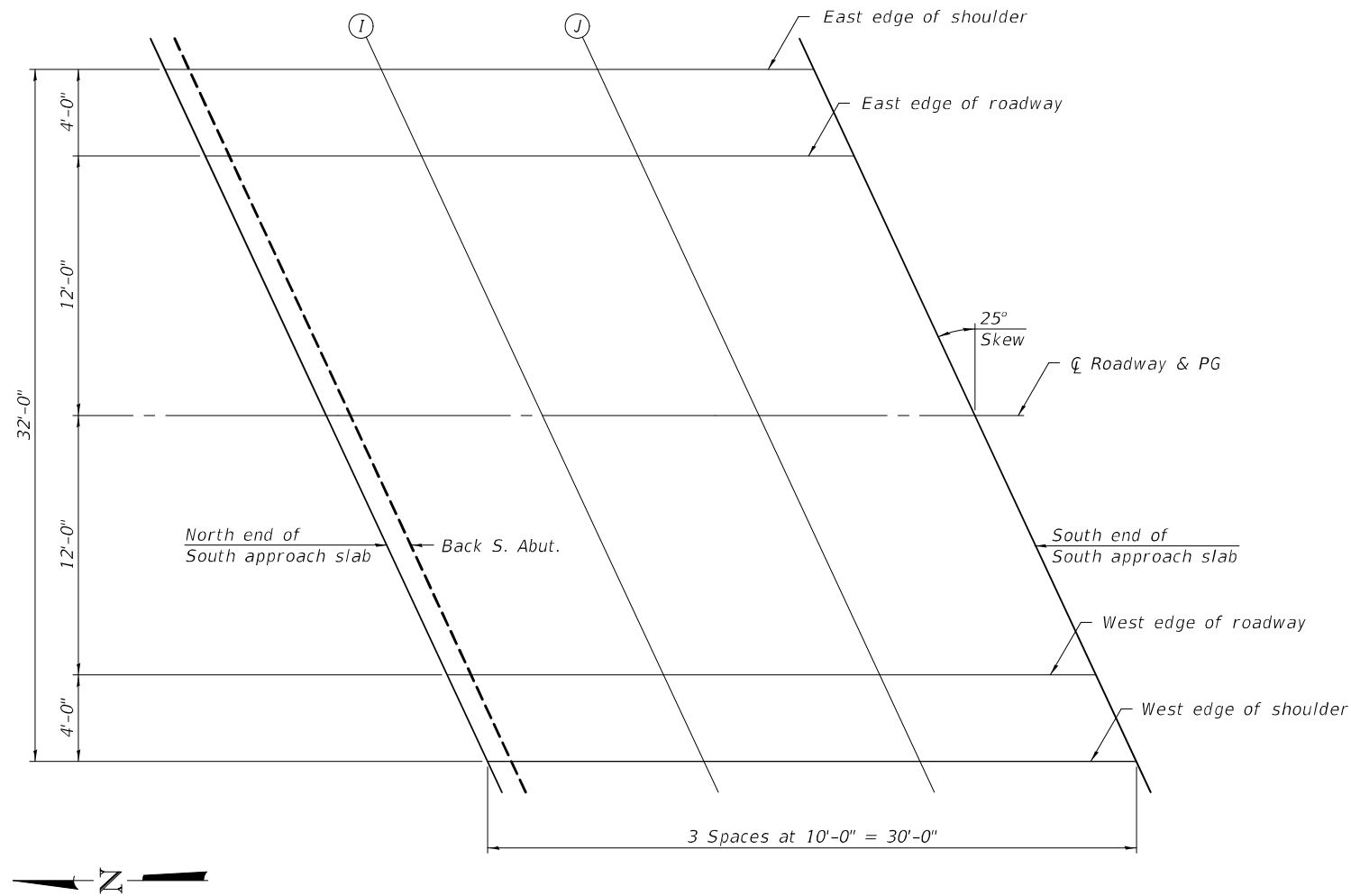
Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	1041+50.44	-16.00	572.67
I	1041+60.44	-16.00	572.97
J	1041+70.44	-16.00	573.29
S. End of S. Appr.	1041+80.44	-16.00	573.62

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	1041+52.30	-12.00	572.80
I	1041+62.30	-12.00	573.11
J	1041+72.30	-12.00	573.43
S. End of S. Appr.	1041+82.30	-12.00	573.76

CL ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	1041+57.90	0.00	573.15
I	1041+67.90	0.00	573.47
J	1041+77.90	0.00	573.79
S. End of S. Appr.	1041+87.90	0.00	574.14



PLAN

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	1041+63.49	12.00	573.15
I	1041+73.49	12.00	573.47
J	1041+83.49	12.00	573.80
S. End of S. Appr.	1041+93.49	12.00	574.16

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr.	1041+65.36	16.00	573.13
I	1041+75.36	16.00	573.45
J	1041+85.36	16.00	573.79
S. End of S. Appr.	1041+95.36	16.00	574.14

MODEL: 0250109-74366-006
 FILE NAME: p:\planroom\dot.illinois.gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

DESIGNED -	TIFFANY L. MEIER
CHECKED -	PAUL S. JOHNSON
DRAWN -	MICHAEL B. MOSSMAN
CHECKED -	T.L.M. / P.J.S.

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

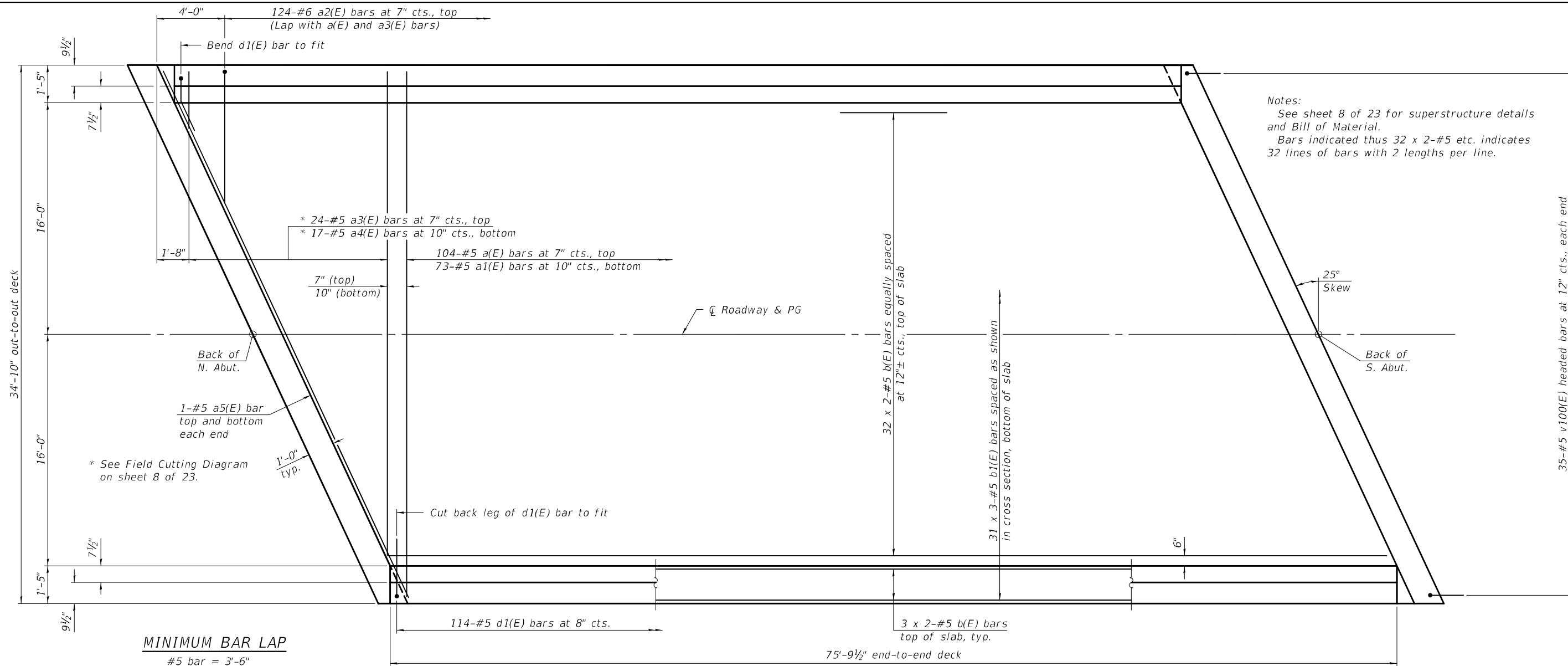
DATE -	JANUARY 14, 2021
REVISED -	
REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
 STRUCTURE NO. 025 - 0109**

SHEET 6 OF 23 SHEETS

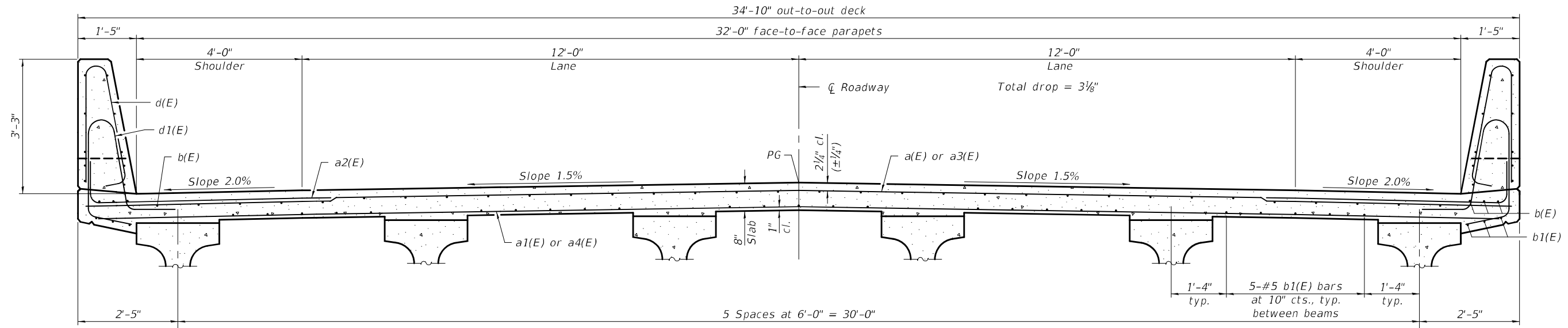
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	22
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		



Notes:
 See sheet 8 of 23 for superstructure details and Bill of Material.
 Bars indicated thus 32 x 2-#5 etc. indicates 32 lines of bars with 2 lengths per line.

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

PLAN



CROSS SECTION
 (Looking South)

MODEL: 0250109-74366-007
 FILE NAME: p:\w\lanroom\d01\illinois.gov\PWD\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn
 1/14/2021 9:26:17 AM

DESIGNED - TIFFANY L. MEIER	EXAMINED -
CHECKED - PAUL S. JOHNSON	PASSED -
DRAWN - MICHAEL B. MOSSMAN	
CHECKED - T.L.M./P.S.J.	

EXAMINED: *Joanne F. Jaffe*
 ENGINEER OF BRIDGE DESIGN
 PASSED: *Paul S. Johnson*
 ENGINEER OF BRIDGES AND STRUCTURES

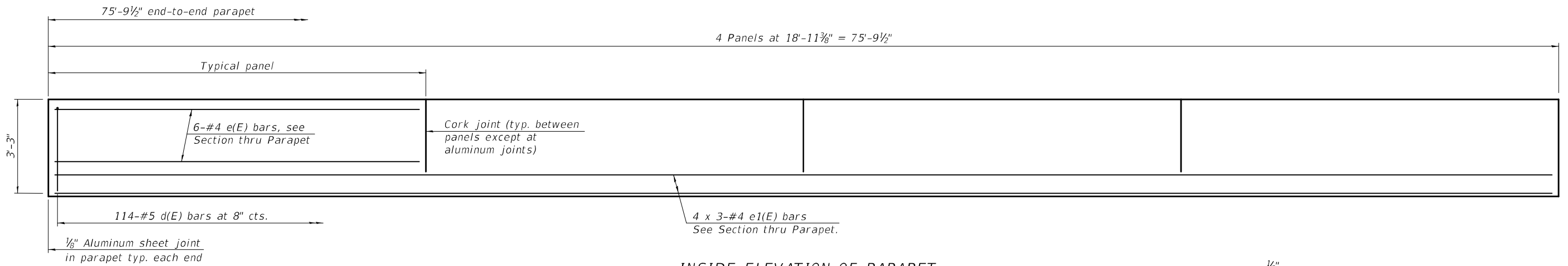
DATE - JANUARY 14, 2021
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 025 - 0109

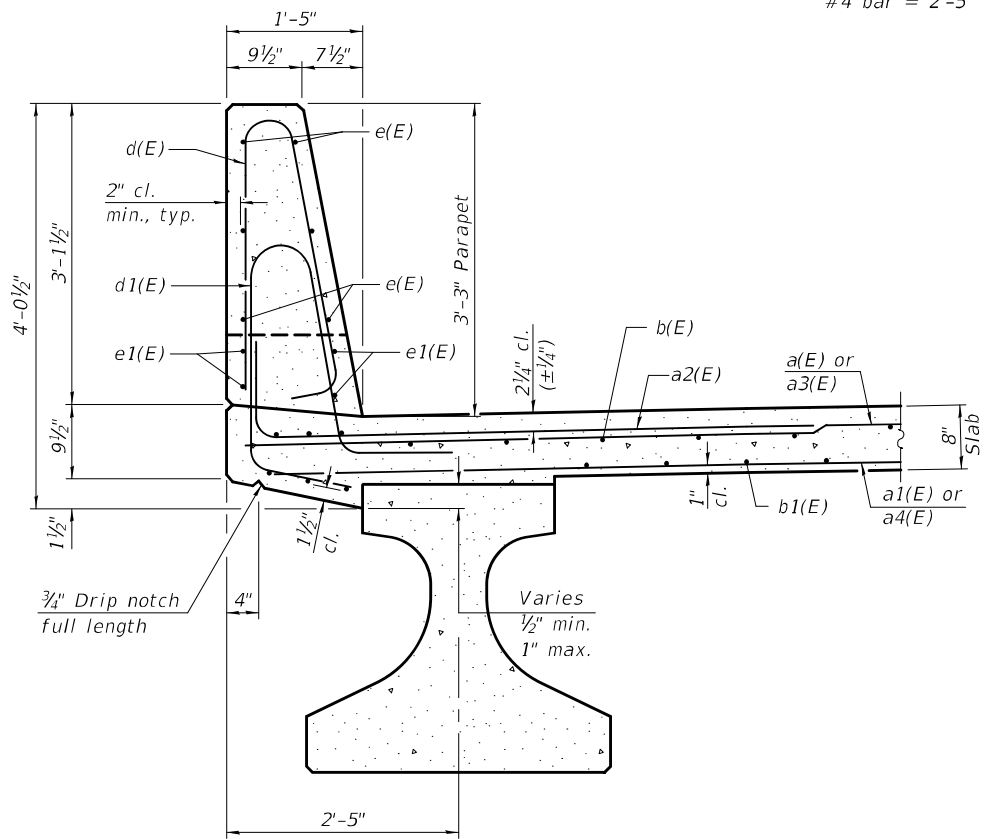
SHEET 7 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	23
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

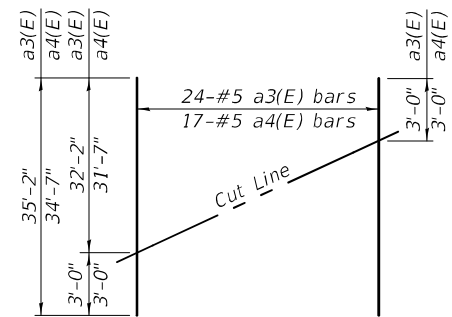


MINIMUM BAR LAP
#4 bar = 2'-5"

INSIDE ELEVATION OF PARAPET

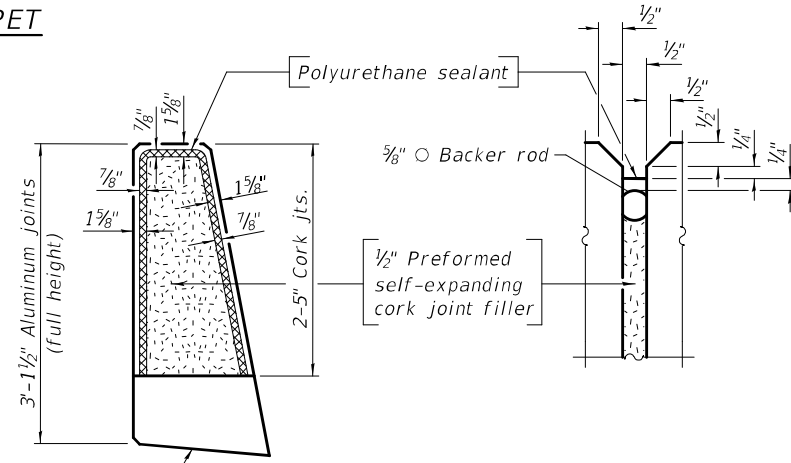


SECTION THRU PARAPET

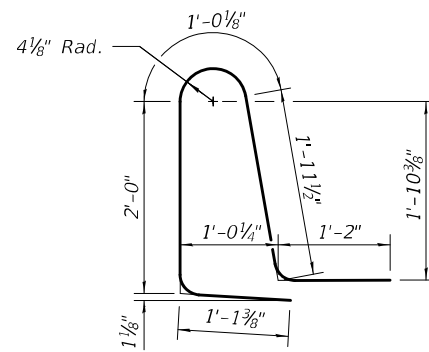


FIELD CUTTING DIAGRAM

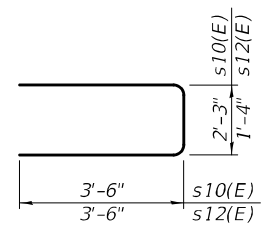
Order a3(E) and a4(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.



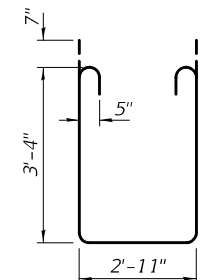
PARAPET JOINT DETAILS



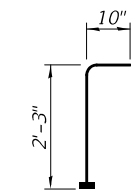
BAR d1(E)



BARS s10(E) & s12(E)



BAR s11(E)



BAR v100(E)
(Headed)

Notes:
The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	104	#5	34'-7"	—
a1(E)	73	#5	33'-5"	—
a2(E)	248	#6	8'-4"	┌
a3(E)	24	#5	35'-2"	—
a4(E)	17	#5	34'-7"	—
a5(E)	4	#5	38'-0"	—
b(E)	76	#5	39'-7"	—
b1(E)	93	#5	27'-7"	—
d(E)	228	#5	6'-5"	└
d1(E)	228	#5	7'-3"	└
e(E)	48	#4	18'-8"	—
e1(E)	24	#4	26'-10"	—
m10(E)	8	#6	38'-0"	—
m11(E)	20	#6	5'-1"	—
m12(E)	8	#6	1'-8"	—
m13(E)	10	#6	2'-9"	—
m14(E)	24	#5	4'-0"	—
s10(E)	34	#5	9'-3"	┌
s11(E)	34	#5	10'-9"	┌
s12(E)	48	#5	8'-4"	┌
v100(E)	70	#5	3'-1"	└
Reinforcement Bars, Epoxy Coated		Pound		23,270
Concrete Superstructure		Cu. Yds.		116.5

Bars indicated thus 4 x 3-#4 etc. indicates 4 lines of bars with 3 lengths per line.

MODEL: 0250109-74366-008
FILE NAME: p:\w\l\lroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Jaime F. Joffe</i>	DATE - JANUARY 14, 2021
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl P. King</i>	REVISIONS -
DRAWN - MICHAEL B. MOSSMAN		
CHECKED - T.L.M./P.S.J.		

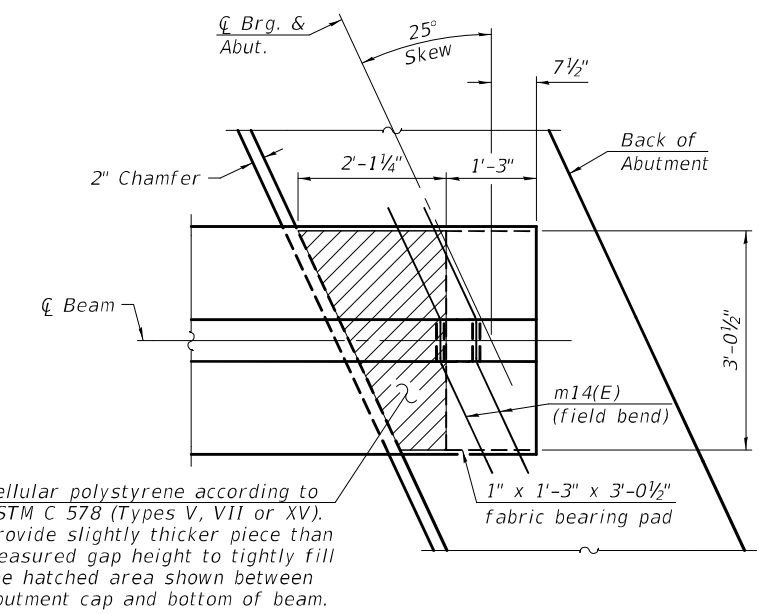
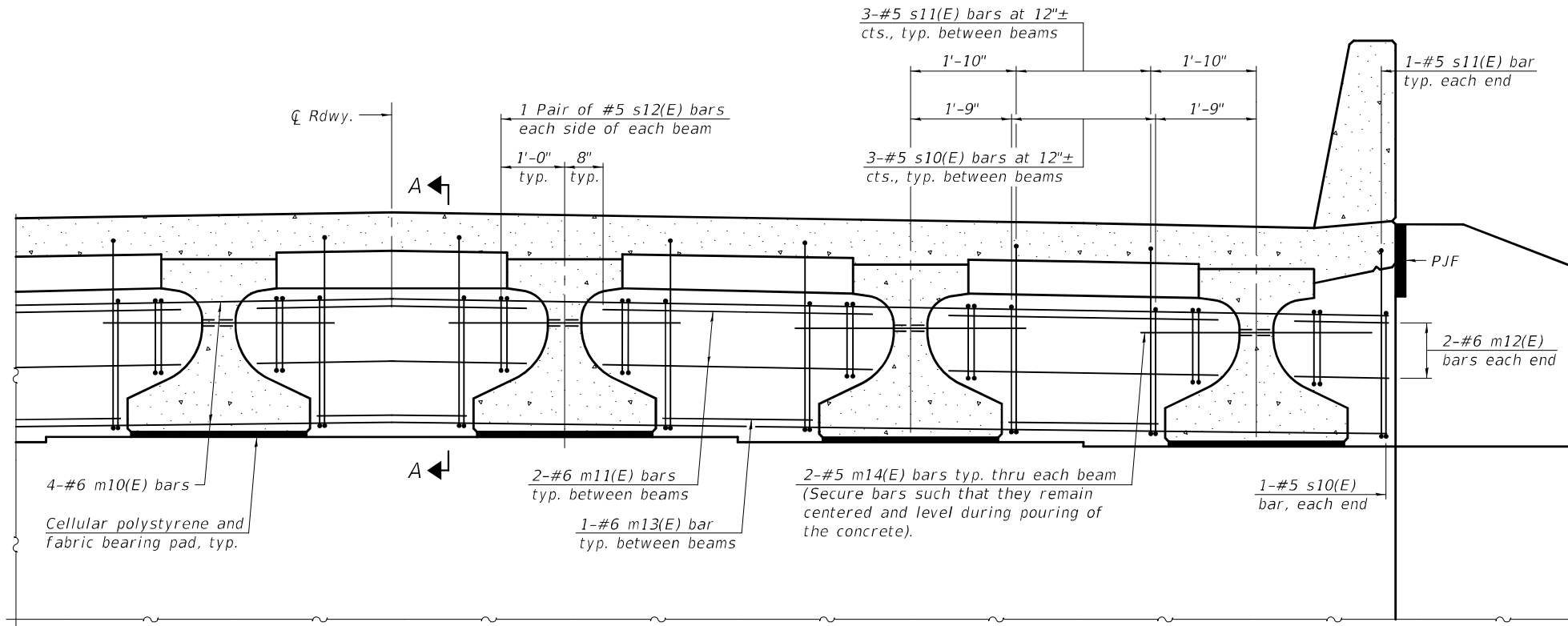
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 025 - 0109**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	24
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

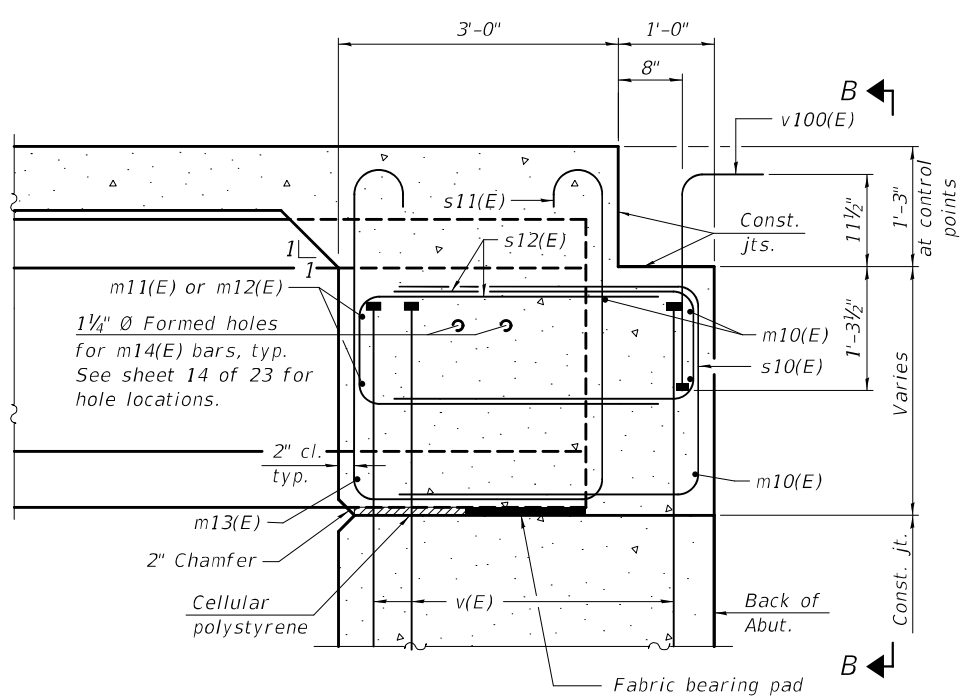
SHEET 8 OF 23 SHEETS

1/14/2021 9:26:17 AM

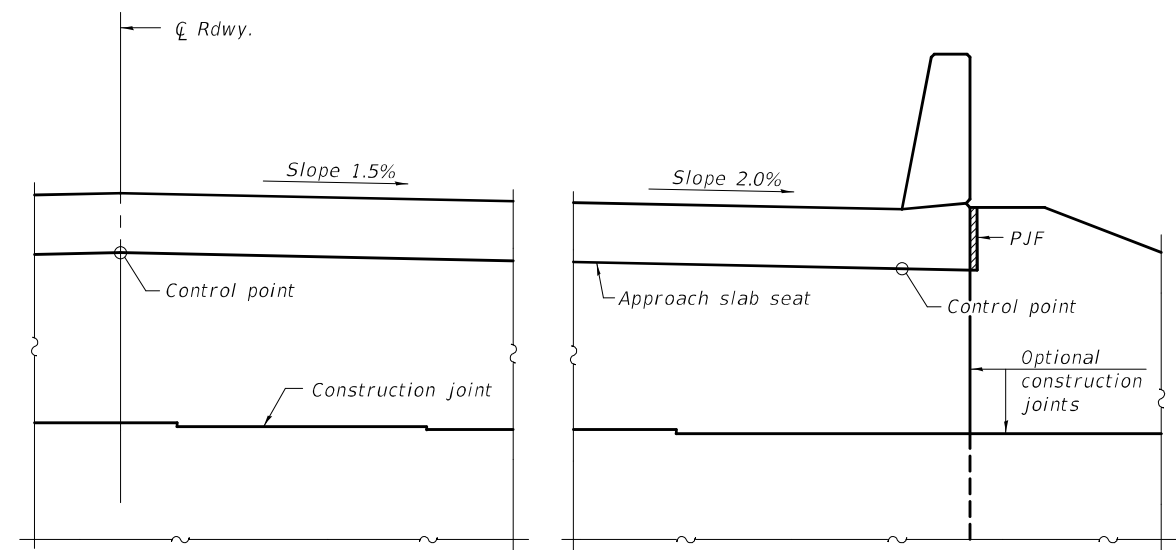


PLAN AT ABUTMENT
(Showing bottom flange of beam)

DIAPHRAGM AT ABUTMENT
(Dimensions are at Rt. L's to beams)



SECTION A-A
(at Rt. L's)



VIEW B-B

Notes:
See sheet 8 of 23 for superstructure details and Bill of Material.
See sheet 11 of 23 for P.J.F. details.
The s10(E), s11(E) and s12(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
The approach slab seat shall have a constant slope determined from the control points shown.
Cost of cellular polystyrene is included with Concrete Superstructure.

CONTROL POINT ELEVATIONS

Location	East end	At \bar{C} Roadway	West end
South Abutment	571.42	571.90	571.88
North Abutment	569.55	569.96	569.85

MODEL: 0250109-74366-009
FILE NAME: p:\w\lanroom\dot\illinois\gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109\CADD Plans\0250109-74366.dgn

DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Joanne F. [Signature]</i>	DATE - JANUARY 14, 2021
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl [Signature]</i>	REVISOR -
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -
CHECKED - T.L.M./P.S.J.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

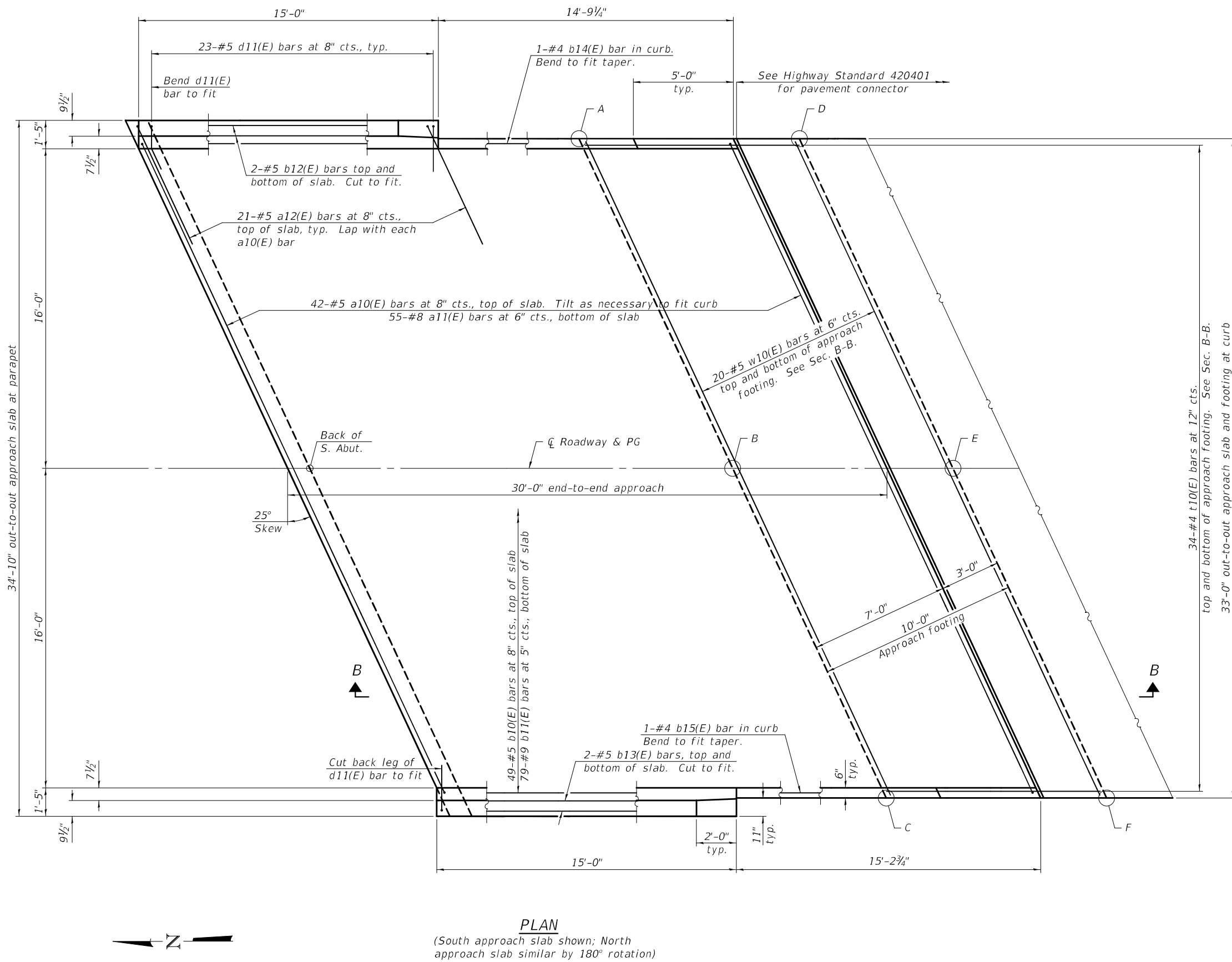
DIAPHRAGM DETAILS
STRUCTURE NO. 025 - 0109

SHEET 9 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	25
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

1/14/2021 9:26:18 AM

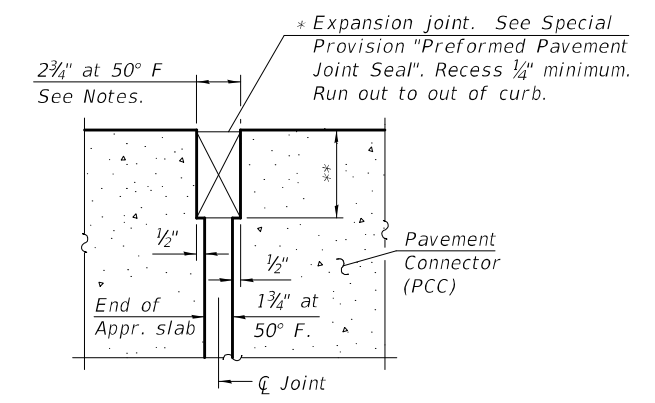
MODEL: 0250109-74366-010
 FILE NAME: p:\w\lanroom\dot.illinois.gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109\CADD Plans\0250109-74366.dgn



PLAN
 (South approach slab shown; North approach slab similar by 180° rotation)

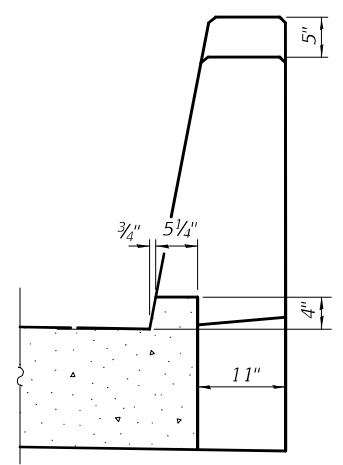
TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

South Approach			North Approach		
Point/Location	Top	Bottom	Point/Location	Top	Bottom
A - NE	572.09	571.26	A - SW	569.42	568.59
B - N \bar{C}	572.62	571.79	B - S \bar{C}	569.57	568.74
C - NW	572.61	571.78	C - SE	569.16	568.33
D - SE	572.46	571.63	D - NW	569.23	568.40
E - S \bar{C}	573.01	572.18	E - N \bar{C}	569.39	568.56
F - SW	573.00	572.17	F - NE	569.00	568.17



DETAIL A
 (@ Rt. L's)

* Cost included with Concrete Superstructure (Approach Slab).
 ** Per manufacturer recommendations



VIEW A-A

(Sheet 1 of 2)

DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Joanne F. J...</i>
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl...</i>
DRAWN - MICHAEL B. MOSSMAN	
CHECKED - T.L.M. / P.S.J.	

DATE - JANUARY 14, 2021
 ENGINEER OF BRIDGES AND STRUCTURES

REVISD -
REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

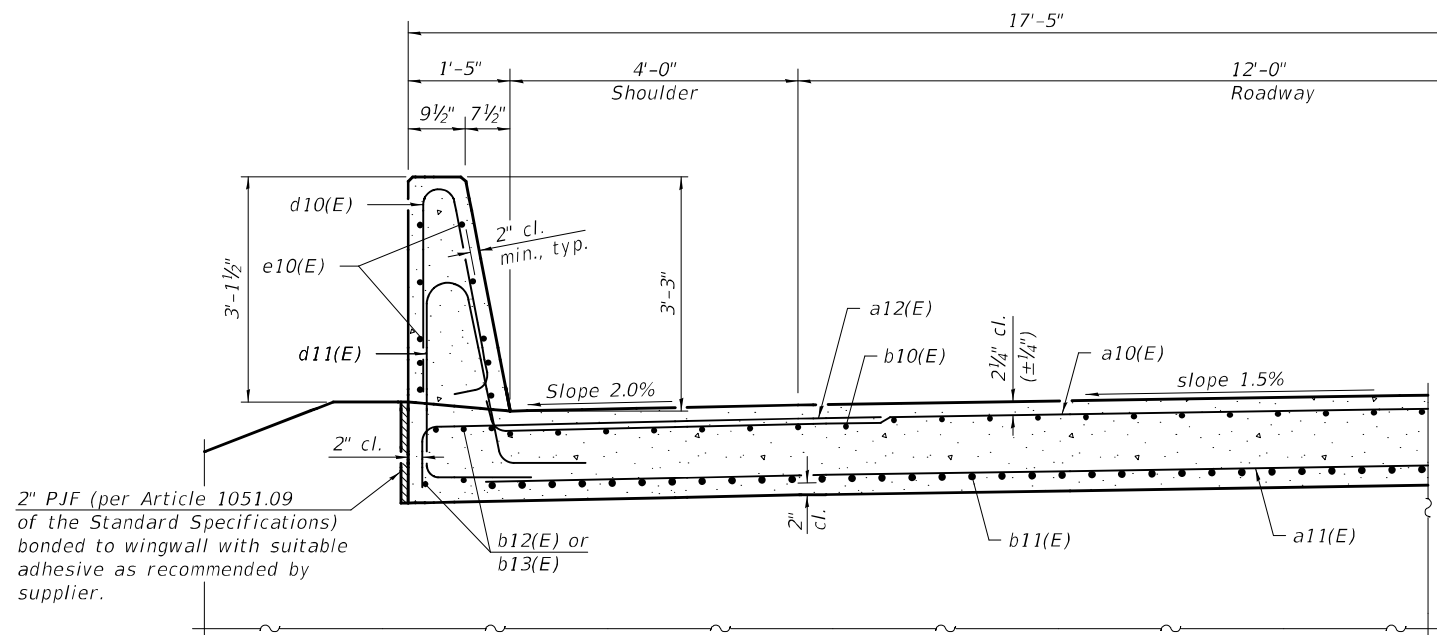
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 025 - 0109

SHEET 10 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	26
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

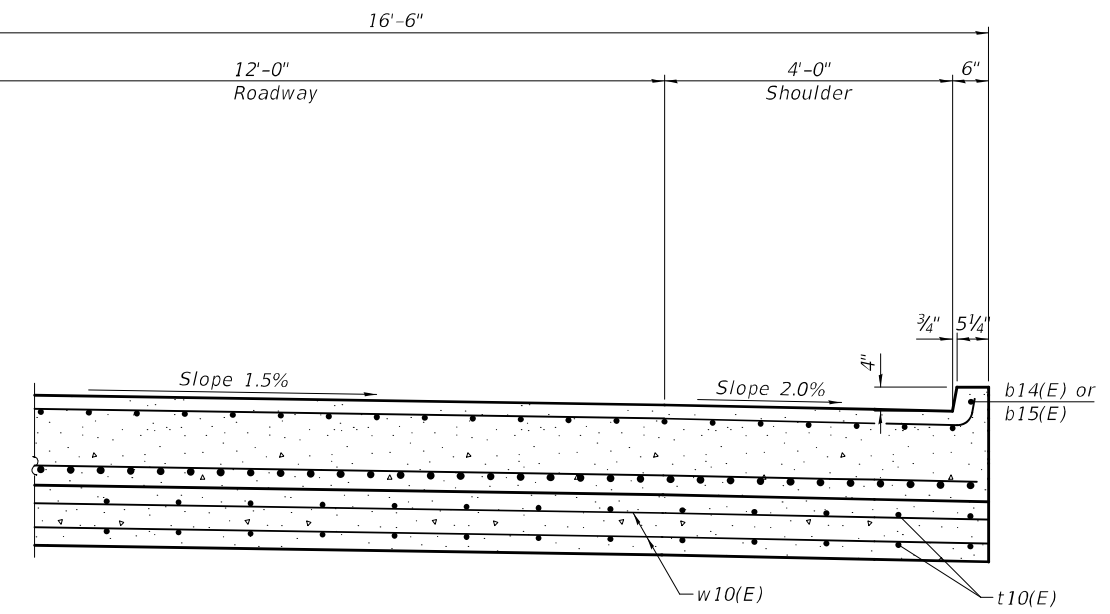
1/14/2021 9:26:18 AM

MODEL: 0250109-74366-011
 FILE NAME: p:\w\lanroom\dot\illinois\gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn
 1/14/2021 9:26:18 AM



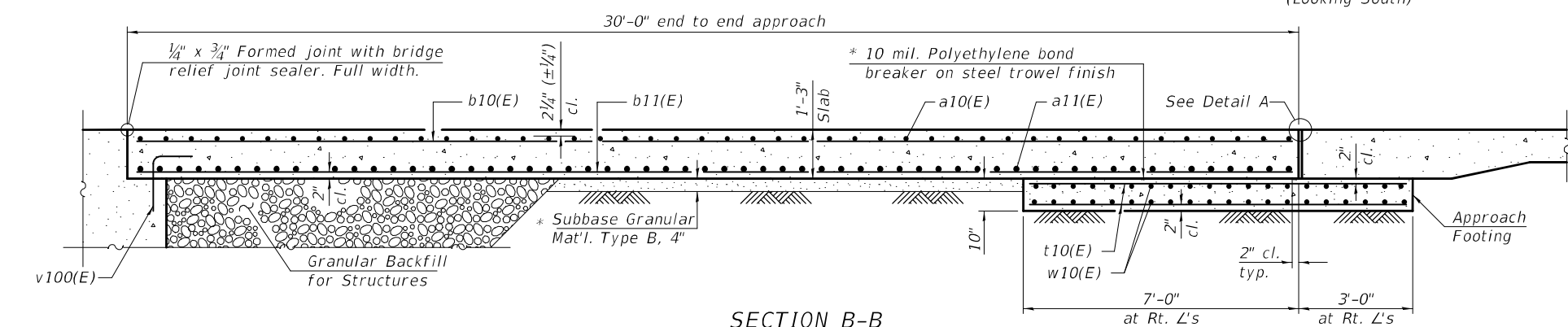
NEAR ABUTMENT

CROSS SECTION
(Looking South)



AT APPROACH FOOTING

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.
 Parapet concrete shall be paid for as Concrete Superstructure.
 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 Granular Backfill for Structures and drainage treatment details, see sheet 2 of 23.

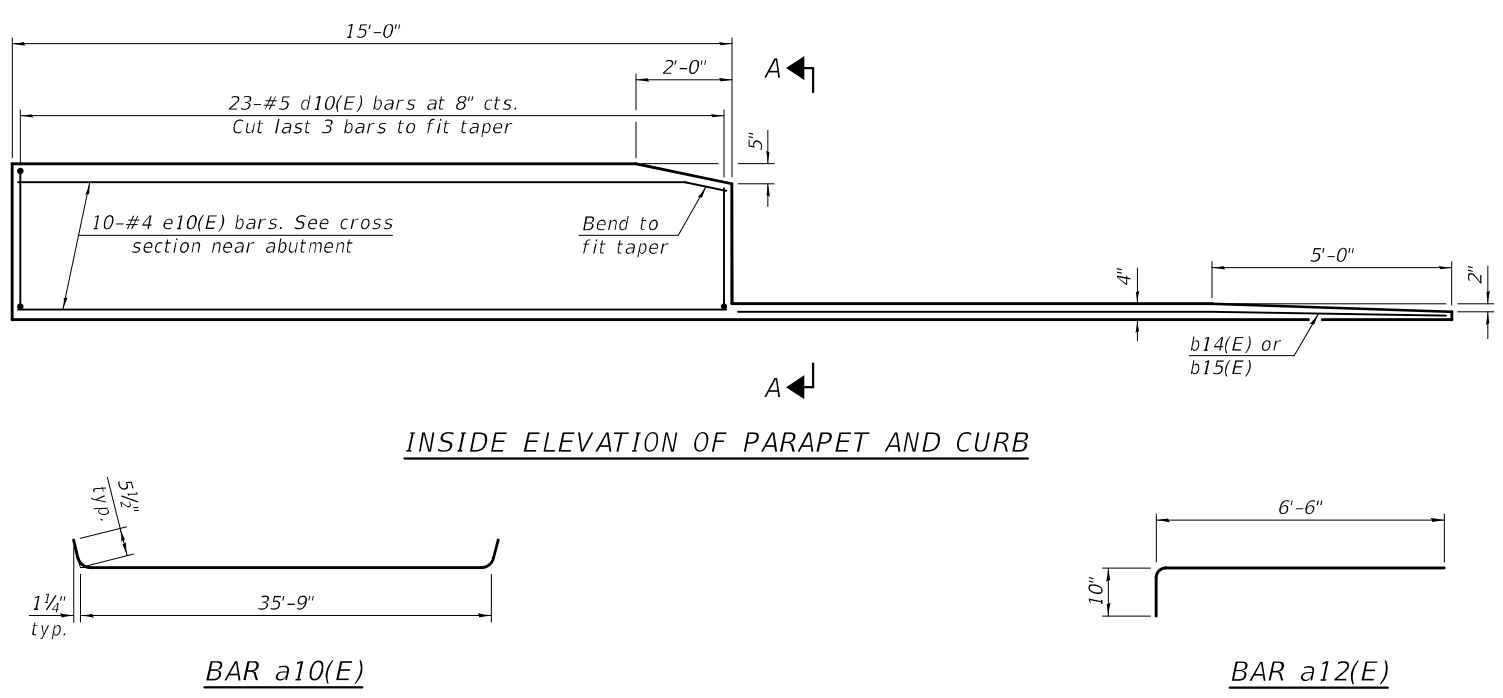


SECTION B-B

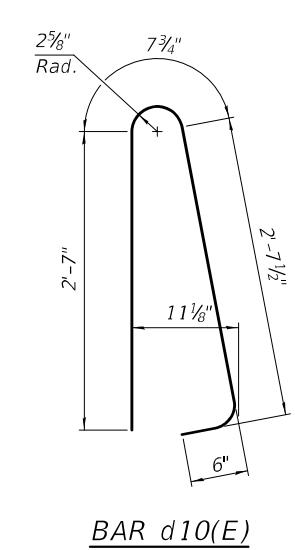
* Cost included with Concrete Superstructure (Approach Slab).

**TWO APPROACHES
BILL OF MATERIAL**

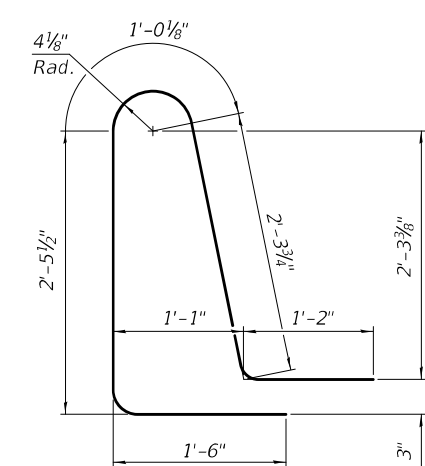
Bar	No.	Size	Length	Shape
a10(E)	84	#5	36'-8"	┌───┐
a11(E)	110	#8	36'-0"	┌───┐
a12(E)	84	#5	7'-4"	┌───┐
b10(E)	98	#5	29'-8"	┌───┐
b11(E)	158	#9	29'-8"	┌───┐
b12(E)	8	#5	15'-2"	┌───┐
b13(E)	8	#5	14'-6"	┌───┐
b14(E)	2	#4	14'-6"	┌───┐
b15(E)	2	#4	14'-11"	┌───┐
d10(E)	92	#5	6'-5"	┌──┐
d11(E)	92	#5	8'-6"	┌──┐
e10(E)	40	#4	14'-8"	┌───┐
t10(E)	136	#4	10'-8"	┌───┐
w10(E)	80	#5	36'-0"	┌───┐
Concrete Superstructure			Cu. Yd.	7.8
Concrete Superstructure (Approach Slab)			Cu. Yd.	95.4
Concrete Structures			Cu. Yd.	22.5
Reinforcement Bars, Epoxy Coated			Pound	39,480



INSIDE ELEVATION OF PARAPET AND CURB



BAR d10(E)



BAR d11(E)

(Sheet 2 of 2)

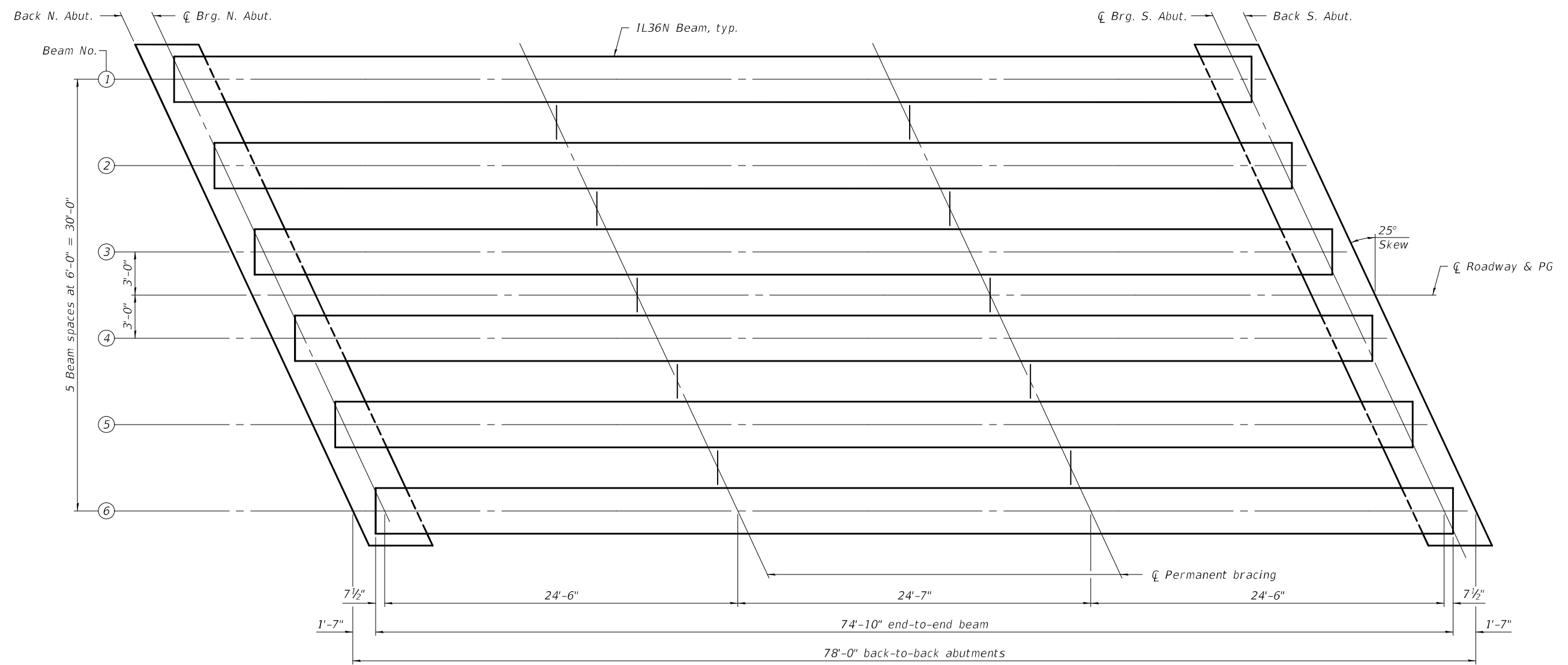
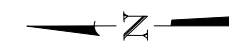
DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Joanne F. [Signature]</i>	DATE - JANUARY 14, 2021
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl [Signature]</i>	REVISOR -
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -
CHECKED - T.L.M. / P.S.J.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 025 - 0109

SHEET 11 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	27
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		



Note:
For permanent bracing details,
see sheet 13 of 23.

MODEL: 0250109-74366-012
FILE NAME: p:\v\lanroom-dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

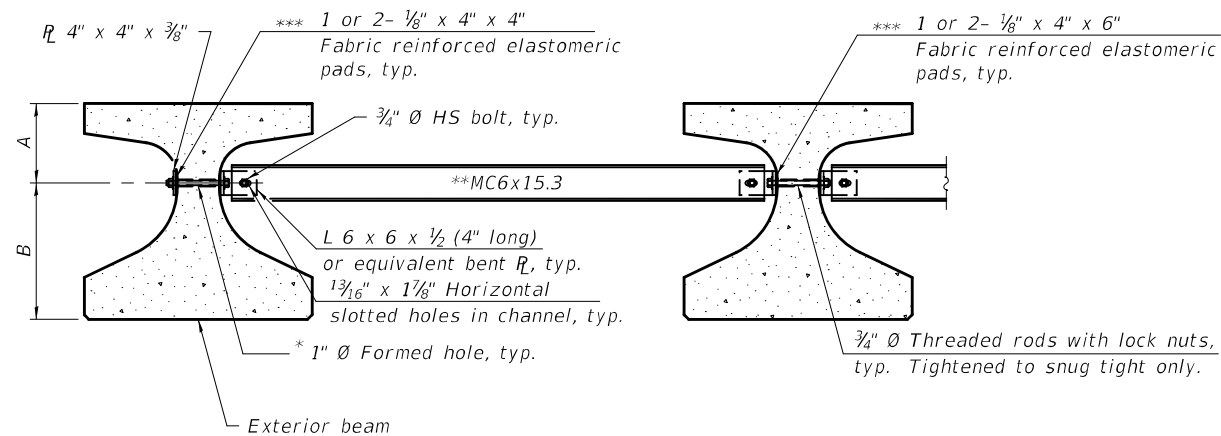
DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Jaime F. J. [Signature]</i>	DATE - JANUARY 14, 2021
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl [Signature]</i>	REVISOR -
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGE DESIGN	REVISOR -
CHECKED - T.L.M. / P.S.J.	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

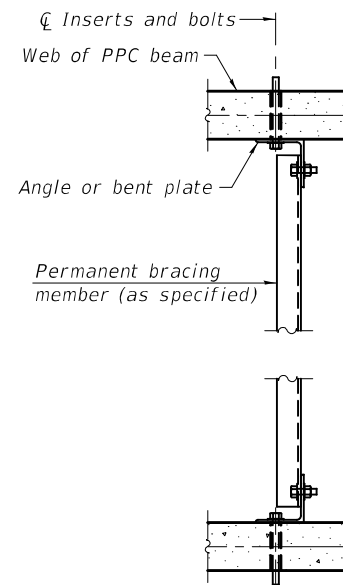
**FRAMING PLAN
STRUCTURE NO. 025 - 0109**

SHEET 12 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	28
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		



ELEVATION



PLAN

PERMANENT BRACING DETAILS FOR
IL27 AND IL36 BEAMS

Notes:

All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted. Two hardened washers are required for each set of oversized holes.

All holes shall be 1 3/16" O unless otherwise noted.

3/8" x 3" x 3" plate washers are required over all slotted holes.

All bolts, threaded rods, and hardware shall be galvanized according to AASHTO M232.

Threaded rods shall be ASTM F 1554 Grade 55.

Bracing shall be installed as beams are erected and tightened as soon as possible during erection.

Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete Beams.

Beam	A	B
IL27	11 1/4"	1'-3 3/4"
IL36	1'-1 1/4"	1'-10 3/4"

- * Fabricator shall locate to miss strands within permissible tolerances.
- ** Alternate MC6x18 channels are permitted to facilitate material acquisition.
- *** Place pads as necessary to provide a flat mounting surface between the steel and concrete.

INTERIOR BEAM MOMENT TABLE		
0.5 Span		
I	(in ⁴)	100,433
I'	(in ⁴)	303,068
S _b	(in ³)	6,832
S _b '	(in ³)	12,230
S _t	(in ³)	4,715
S _t '	(in ³)	27,011
DC1	(k/')	1.384
M _{DC1}	(k)	937
DC2	(k/')	0.175
M _{DC2}	(k)	118
DW	(k/')	0.300
M _{DW}	(k)	203
LLDF		0.56
M _{L + IM}	(k)	1,026

INTERIOR BEAM REACTION TABLE		
	Abutment	
	Interior	Exterior
LLDF	0.67	0.50
OCF	-	1.08
R _{DC1}	(k)	50.9
R _{DC2}	(k)	6.4
R _{DW}	(k)	11.0
R _{L + IM}	(k)	77.5
R _{Total}	(k)	145.8

- I: Non-composite moment of inertia of beam section (in⁴).
- I': Composite moment of inertia of beam section (in⁴).
- S_b: Non-composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_b': Composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_t: Non-composite section modulus for the top fiber of the prestressed beam (in³).
- S_t': Composite section modulus for the top fiber of the prestressed beam (in³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.
- M_{L + IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- OCF: Obtuse Correction Factor applied to non-continuous exterior beam ends and computed according to Article 4.6.2.2.3c-1 or as further simplified by IDOT provisions.
- R_{DC1}: Un-factored reaction due to non-composite dead load (kip).
- R_{DC2}: Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).
- R_{DW}: Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).
- R_L: Un-factored live load reaction (kip).
- R_{IM}: Un-factored dynamic load allowance (impact) (kip).

MODEL: 0250109-74366-013
FILE NAME: p:\w\lanroom\dot.illinois.gov\PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

DESIGNED	-	TIFFANY L. MEIER
CHECKED	-	PAUL S. JOHNSON
DRAWN	-	MICHAEL B. MOSSMAN
CHECKED	-	T.L.M. / P.S.J.

EXAMINED		DATE - JANUARY 14, 2021
PASSED		REVISOR -
		REVISOR -

ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

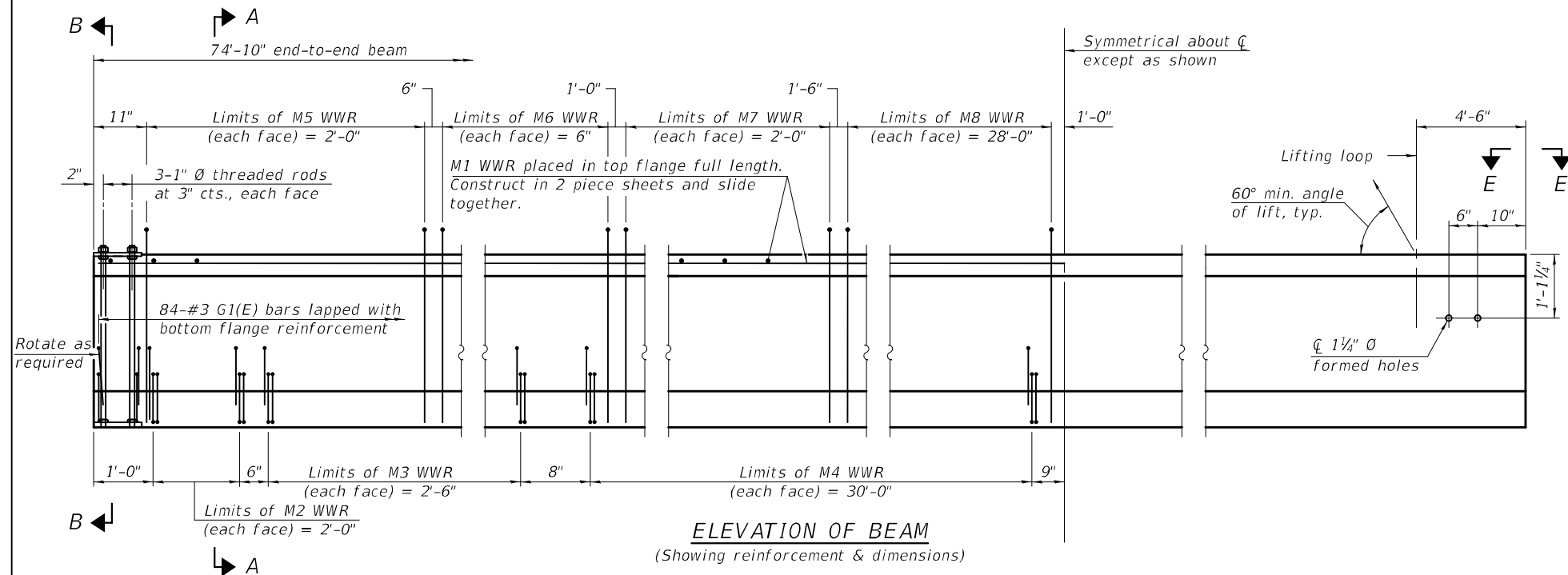
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING DETAILS
STRUCTURE NO. 025 - 0109

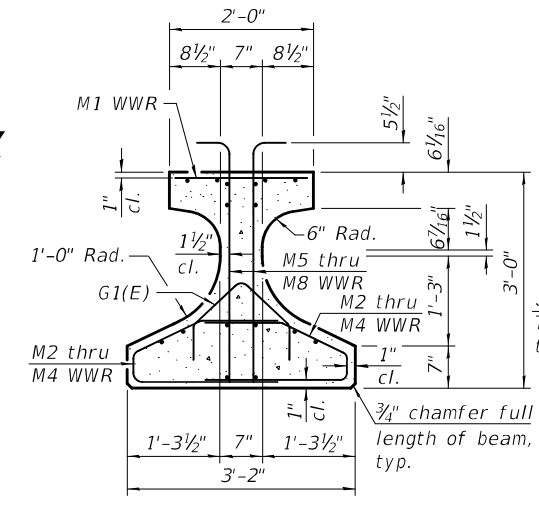
SHEET 13 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	29
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

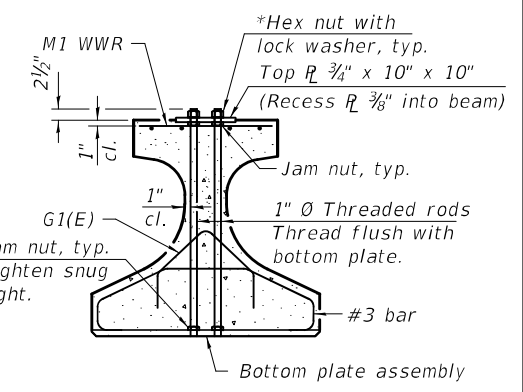
MODEL: 0250109-74366-014
 FILE NAME: p:\w\lanroom\dot\illinois\gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn



ELEVATION OF BEAM
 (Showing reinforcement & dimensions)

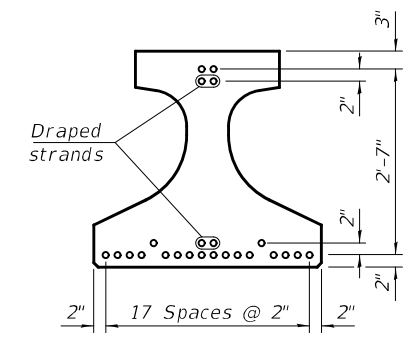


SECTION A-A

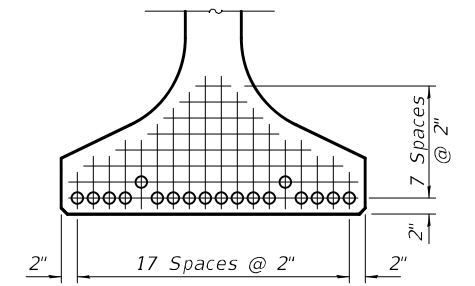


SECTION B-B

*Only tighten sufficiently to compress lock washers

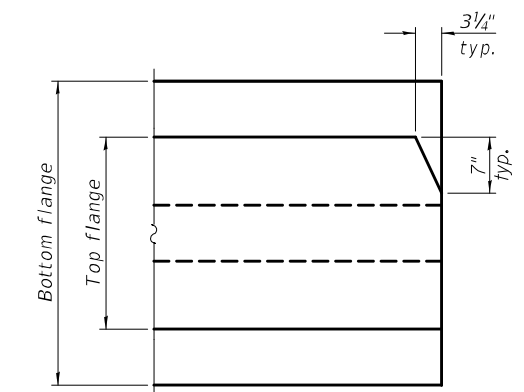


SECTION C-C
 (22-0.6" Ø 270 ksi strands)



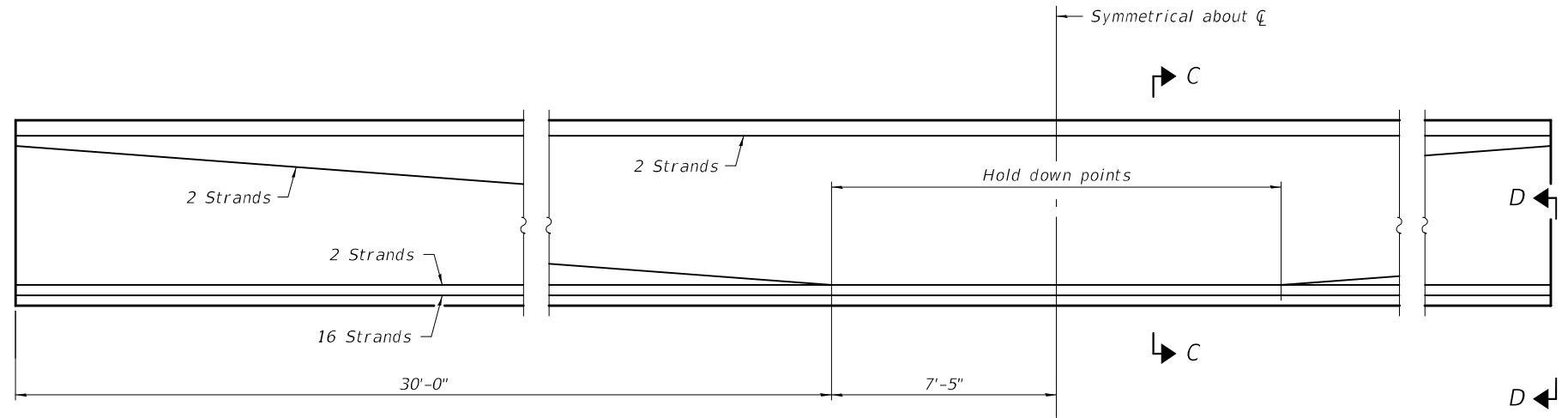
VIEW D-D

- Fully bonded strand
- ▲ Partially debonded strand



VIEW E-E

Clip top flange of all beams as shown, each end.



ELEVATION OF BEAM
 (Showing prestressing steel)

Note:
 See sheet 15 of 23 for additional details and Bill of Material.

IL36-2438 2-25-2019

DESIGNED	-	TIFFANY L. MEIER
CHECKED	-	PAUL S. JOHNSON
DRAWN	-	MICHAEL B. MOSSMAN
CHECKED	-	T.L.M. / P.S.J.

EXAMINED		DATE -	JANUARY 14, 2021
PASSED		REVISED	-
		REVISED	-

Joanne F. Schaff
 ENGINEER OF BRIDGE DESIGN
Carl R. King
 ENGINEER OF BRIDGES AND STRUCTURES

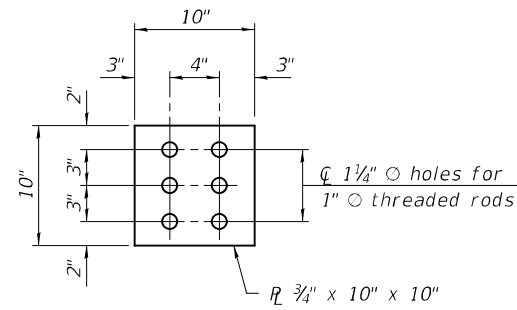
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL36N BEAM
STRUCTURE NO. 025 - 0109

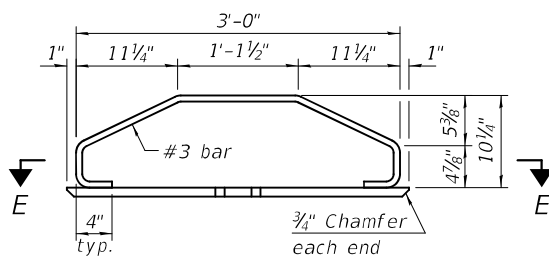
SHEET 14 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	30
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

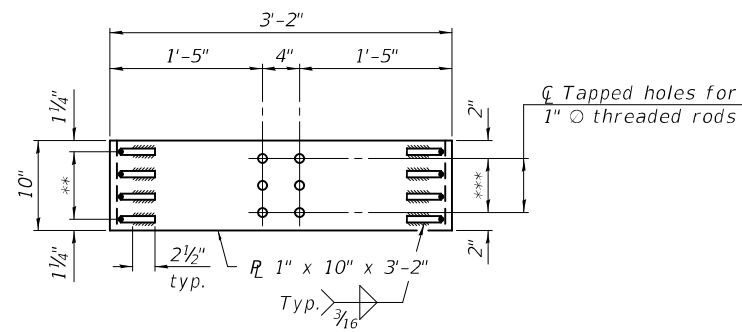
1/14/2021 9:26:19 AM



PLAN - TOP PLATE



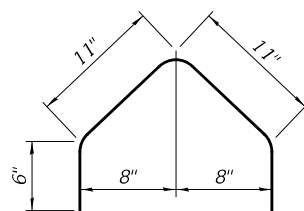
ELEVATION - BOTTOM PLATE ASSEMBLY



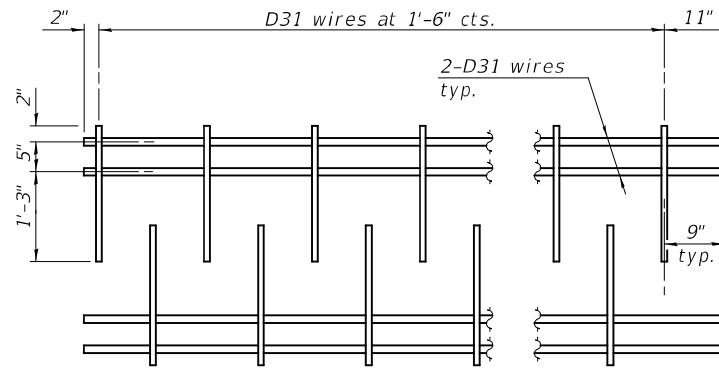
SECTION E-E

** 3 Spaces at 2 1/2" = 7 1/2"

*** 2 Spaces at 3" = 6"

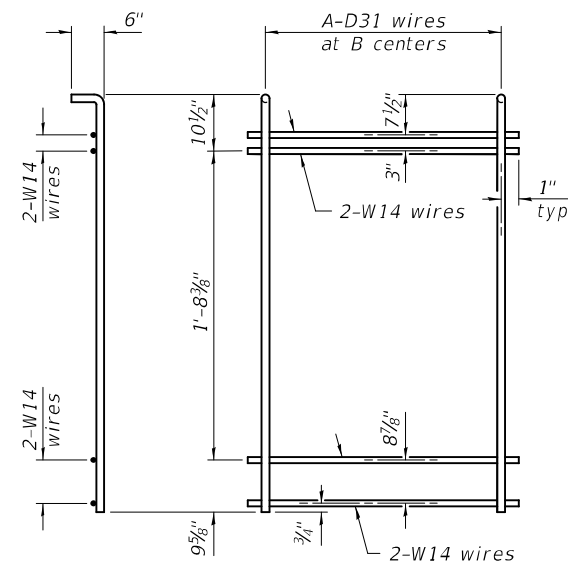


BAR G1(E)



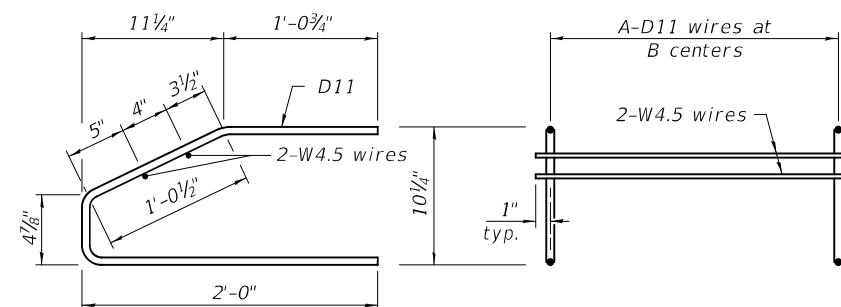
M1 WWR DETAIL

When multiple sheets of M1 WWR are required along the beam length, #5(E) bars (5'-0" long) shall be used to splice the longitudinal D31 wires together (Min. Lap 2'-2").



M5 THRU M8 WWR DETAIL

(See Table of Dimensions)



M2 THRU M4 WWR DETAIL

(See Table of Dimensions)

TABLE OF DIMENSIONS

(WWR tables are based on Grade 60.)

WWR	A	B
M2	9	3"
M3	6	6"
M4	21	1'-6"
M5	9	3"
M6	2	6"
M7	3	1'-0"
M8	15	2'-0"

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter of beam strands shall be 0.6" and the nominal cross-sectional area shall be 0.217 sq. in. The nominal diameter for lifting loops shall be 1/2" and the nominal cross sectional area shall be 0.153 sq. in.

The beams shall have a final concrete compressive strength, $f'c$, of 8500 psi and a release concrete compressive strength, $f'ci$, of 6500 psi.

A minimum 2 1/2" \emptyset lifting pin shall be used to engage the lifting loops during handling.

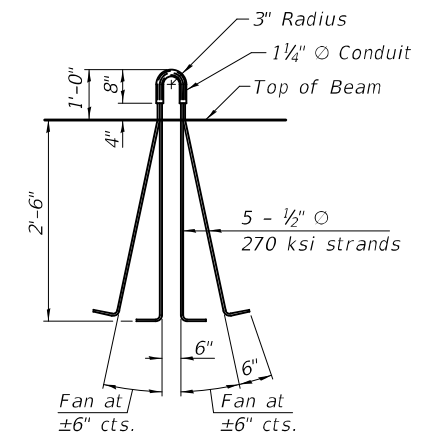
The top and bottom plates shall be AASHTO M270 Grade 50.

The top plates and bottom plate assemblies shall be galvanized according to AASHTO M111.

The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.

Threaded rods shall be ASTM F 1554 Grade 55.

Welded Wire Reinforcement (WWR) shall conform to ASTM A884 with a Class A, Type 1 epoxy coating or ASTM A1060, Table 3 galvanized coating.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Beams, IL36N	Ft.	449

MODEL: 0250109-74366-015
FILE NAME: p:\w\lanroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

DESIGNED - TIFFANY L. MEIER
CHECKED - PAUL S. JOHNSON
DRAWN - MICHAEL B. MOSSMAN
CHECKED - T.L.M. / P.S.J.

EXAMINED
PASSED
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 14, 2021
REVISED -
REVISED -

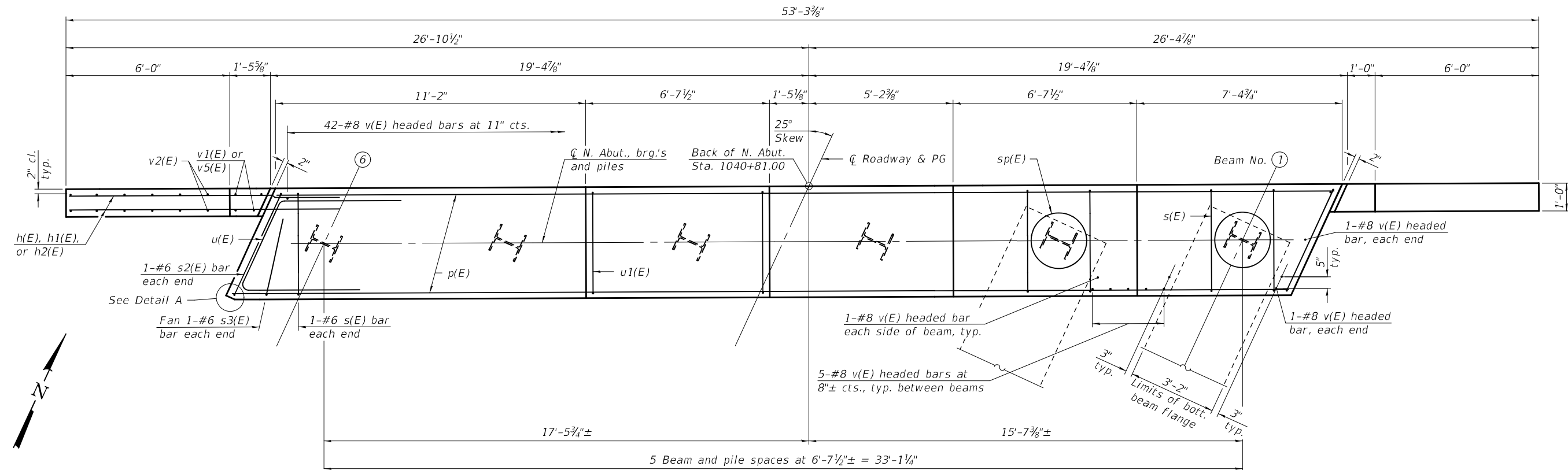
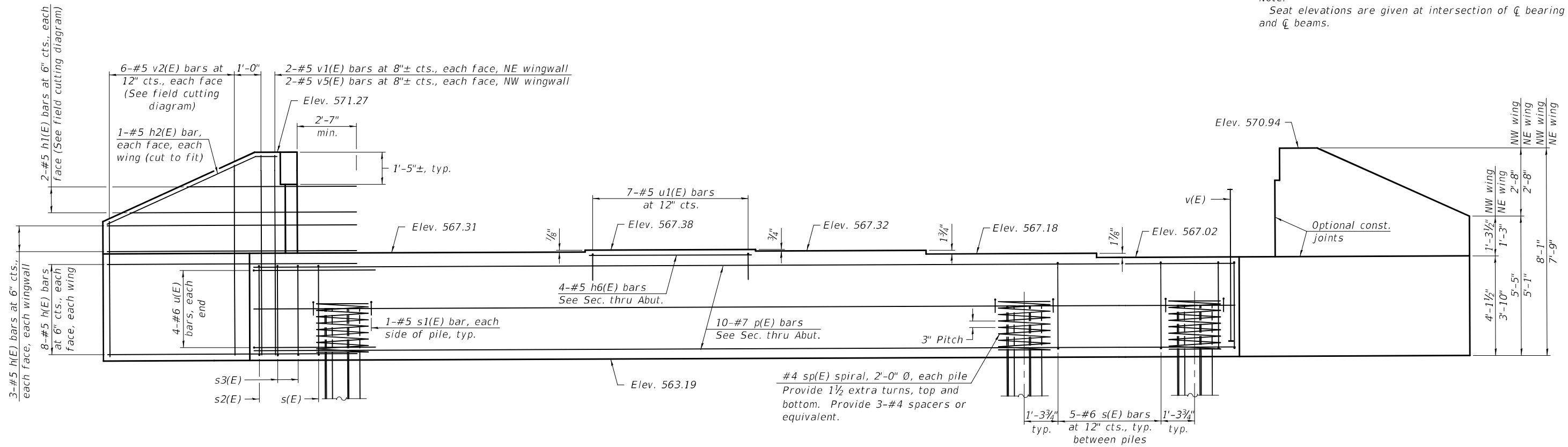
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL36N BEAM DETAILS
STRUCTURE NO. 025 - 0109

SHEET 15 OF 23 SHEETS

F.A.S. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
2801 (103BR-1)B-1 EFFINGHAM 68 31
CONTRACT NO. 74366
ILLINOIS FED. AID PROJECT

Note:
Seat elevations are given at intersection of \bar{c} bearing and \bar{c} beams.



MODEL: 0250109-74366-016
FILE NAME: p:\w\lanroom\dot\illinois\gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

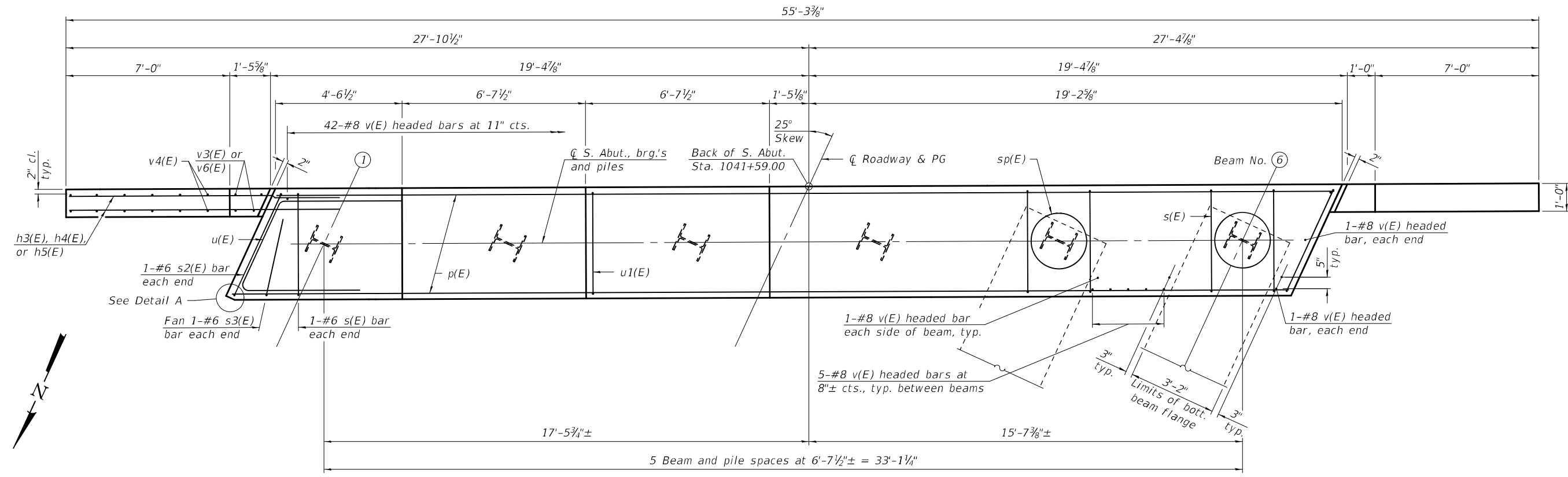
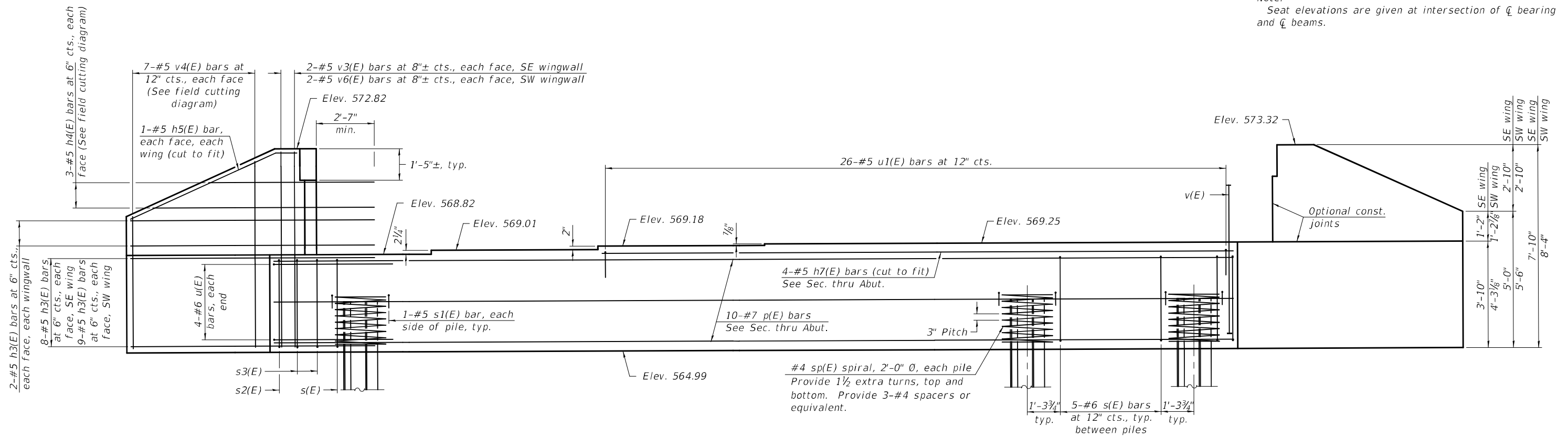
DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Joanne F. Joffe</i> ENGINEER OF BRIDGE DESIGN	DATE - JANUARY 14, 2021
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl Perry</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - MICHAEL B. MOSSMAN		REVISED -
CHECKED - T.L.M./P.S.J.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
STRUCTURE NO. 025 - 0109

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	32
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

Note:
Seat elevations are given at intersection of \bar{c} bearing and \bar{c} beams.



MODEL: 0250109-74366-017
FILE NAME: p:\lanroom\dot\illinois\gov\pwwdot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn
DESIGNED - TIFFANY L. MEIER
CHECKED - PAUL S. JOHNSON
DRAWN - MICHAEL B. MOSSMAN
CHECKED - T.L.M. / P.S.J.
1/14/2021 9:26:21 AM

DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>Jaime F. Salas</i>	DATE - JANUARY 14, 2021
CHECKED - PAUL S. JOHNSON	PASSED - <i>Paul S. Johnson</i>	REVISOR -
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -
CHECKED - T.L.M. / P.S.J.		

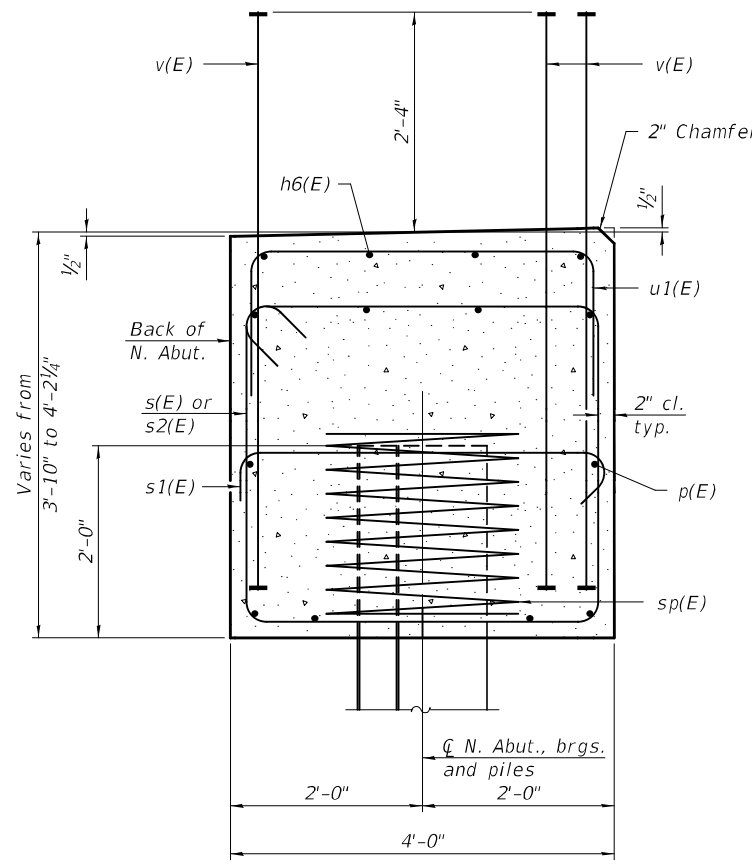
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH ABUTMENT
STRUCTURE NO. 025 - 0109**

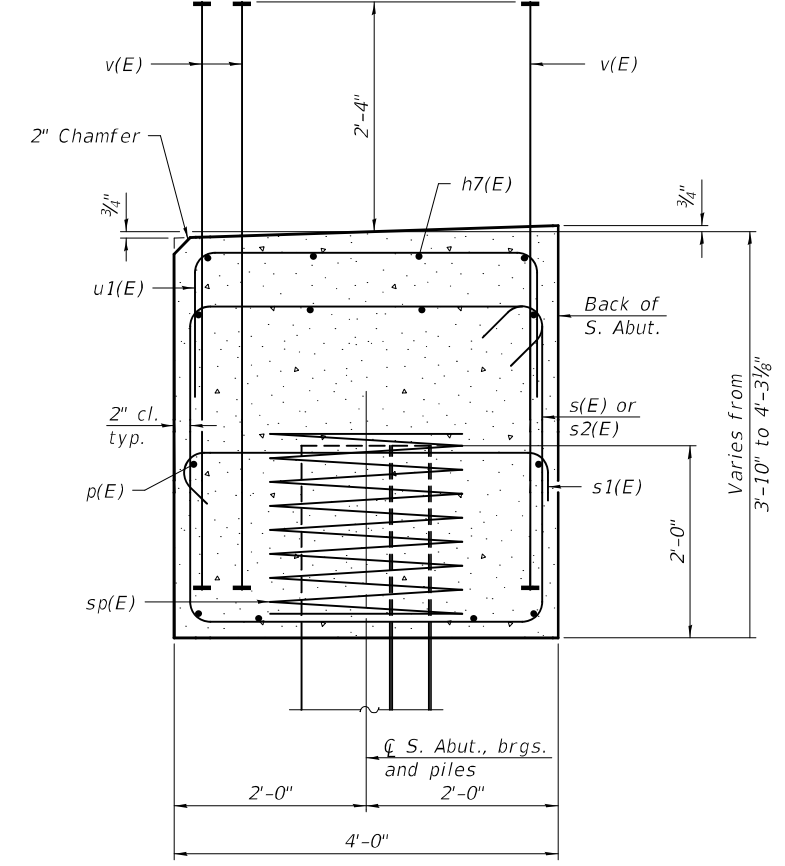
SHEET 17 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	33
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

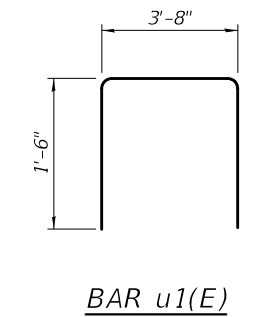
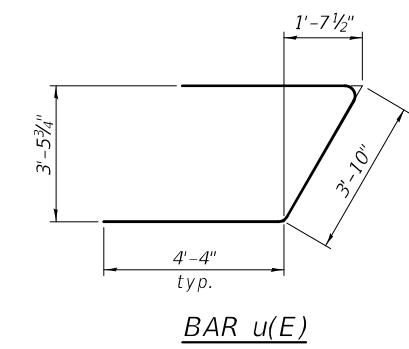
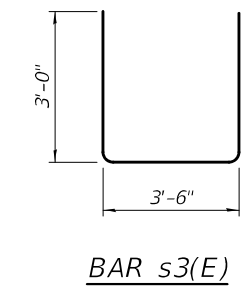
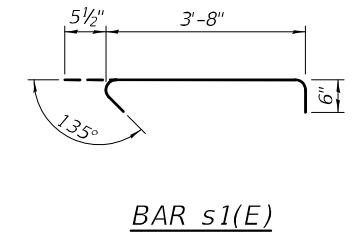
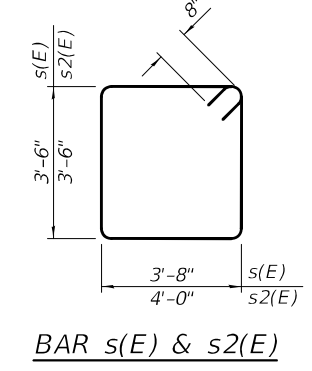
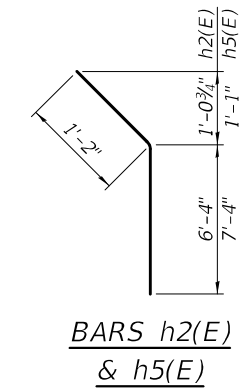
MODEL: 0250109-74366-018
 FILE NAME: p:\w\lanroom-doi.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn



SEC. THRU N. ABUT.
 Dimensions at right angles to abutment.



SEC. THRU S. ABUT.
 Dimensions at right angles to abutment.



**NORTH ABUTMENT
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	44	#5	10'-0"	—
h1(E)	4	#5	16'-3"	—
h2(E)	4	#5	7'-6"	—
h6(E)	4	#5	6'-3"	—
p(E)	10	#7	38'-0"	—
s(E)	27	#6	15'-8"	□
s1(E)	12	#5	4'-8"	□
s2(E)	2	#6	16'-4"	□
s3(E)	2	#6	9'-6"	□
* sp(E)	6	#4	2'-0"	WWM
u(E)	8	#6	12'-6"	∩
u1(E)	7	#5	6'-8"	∩
v(E)	83	#8	5'-8"	—
v1(E)	4	#5	7'-9"	—
v2(E)	12	#5	12'-5"	—
v5(E)	4	#5	7'-5"	—
Structure Excavation	Cu. Yd.	110		
Concrete Structures	Cu. Yd.	26.9		
Reinforcement Bars, Epoxy Coated	Pound	4,100		
Furnishing Steel Piles HP12x74	Foot	385		
Driving Piles	Foot	385		
Test Pile Steel HP12x74	Each	1		
Pile Shoes	Each	6		

* Length is height of spiral.

**SOUTH ABUTMENT
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h3(E)	42	#5	11'-0"	—
h4(E)	6	#5	18'-4"	—
h5(E)	4	#5	8'-6"	—
h7(E)	4	#5	26'-9"	—
p(E)	10	#7	38'-0"	—
s(E)	27	#6	15'-8"	□
s1(E)	12	#5	4'-8"	□
s2(E)	2	#6	16'-4"	□
s3(E)	2	#6	9'-6"	□
* sp(E)	6	#4	2'-0"	WWM
u(E)	8	#6	12'-6"	∩
u1(E)	26	#5	6'-8"	∩
v(E)	83	#8	5'-8"	—
v3(E)	4	#5	7'-6"	—
v4(E)	14	#5	12'-7"	—
v6(E)	4	#5	8'-0"	—
Structure Excavation	Cu. Yd.	117		
Concrete Structures	Cu. Yd.	27.9		
Reinforcement Bars, Epoxy Coated	Pound	4,420		
Furnishing Steel Piles HP12x74	Foot	235		
Driving Piles	Foot	235		
Test Pile Steel HP12x74	Each	1		
Pile Shoes	Each	6		

* Length is height of spiral.

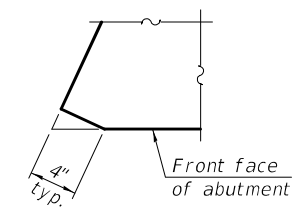
Notes:
 Pour steps monolithically with cap.
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 For details of piles see sheet 19 of 23.

NORTH ABUTMENT PILE DATA

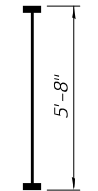
Type: HP 12x74
 Nominal Required Bearing: 589 kips
 Factored Resistance Available: 324 kips
 Est. Length: 77 ft.
 No. Production Piles: 5
 No. Test Piles: 1

SOUTH ABUTMENT PILE DATA

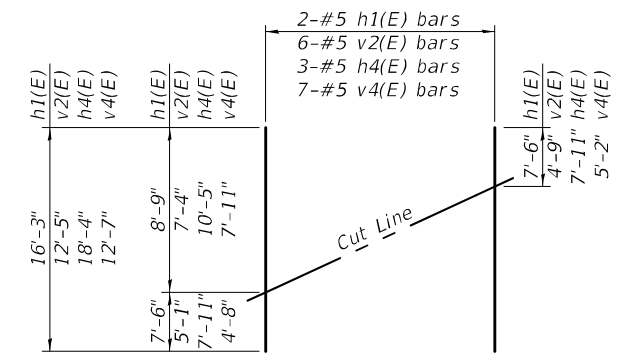
Type: HP 12x74
 Nominal Required Bearing: 589 kips
 Factored Resistance Available: 324 kips
 Est. Length: 47 ft.
 No. Production Piles: 5
 No. Test Piles: 1



DETAIL A



**BAR v(E)
 (Headed)**



FIELD CUTTING DIAGRAM

Order h1(E), h4(E), v2(E), and v4(E) full length. Cut as shown and use remainder of bars in opposite wing.

DESIGNED	-	TIFFANY L. MEIER
CHECKED	-	PAUL S. JOHNSON
DRAWN	-	MICHAEL B. MOSSMAN
CHECKED	-	T.L.M./P.S.J.

EXAMINED	-	<i>Joanne F. Joffe</i>
PASSED	-	<i>Carl Ringer</i>

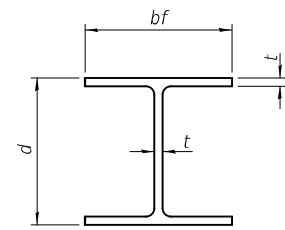
DATE	-	JANUARY 14, 2021
REVISED	-	
REVISED	-	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS
 STRUCTURE NO. 025 - 0109**

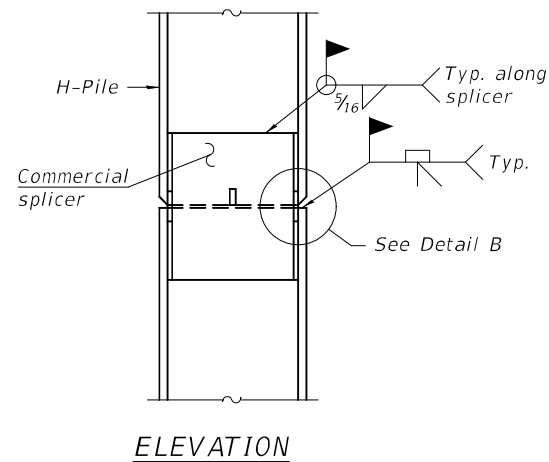
SHEET 18 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	34
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

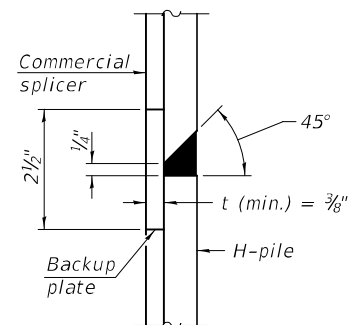


STEEL PILE TABLE

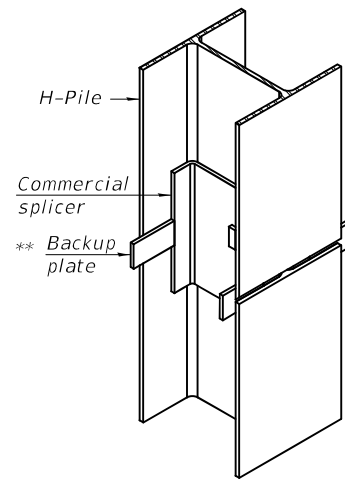
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 3/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

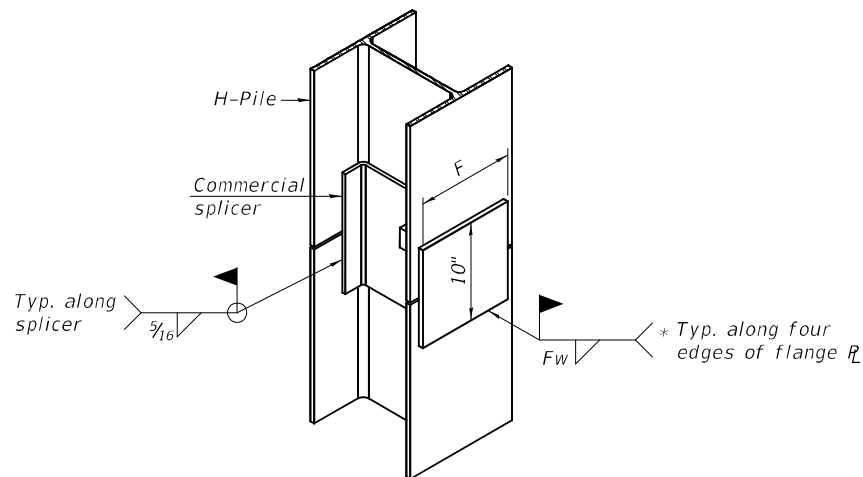


DETAIL "B"



ISOMETRIC VIEW

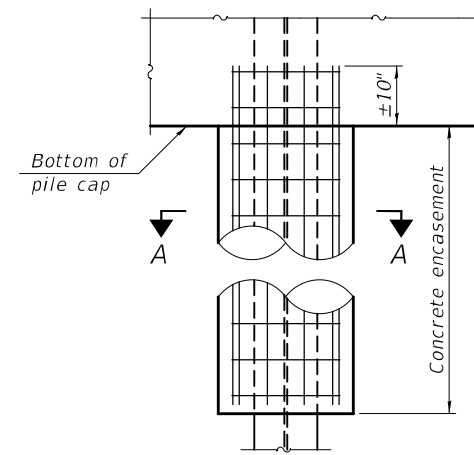
WELDED COMMERCIAL SPLICE



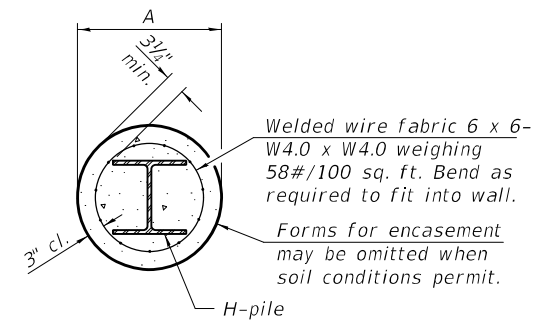
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

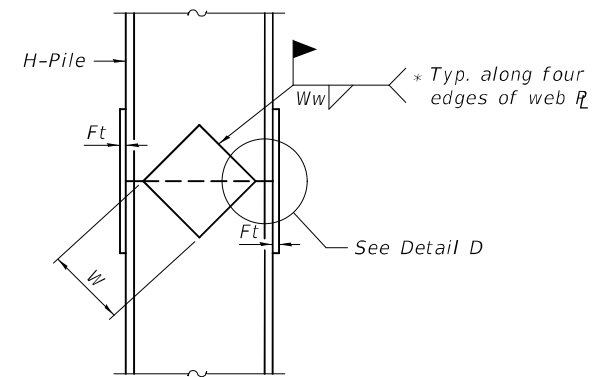


ELEVATION

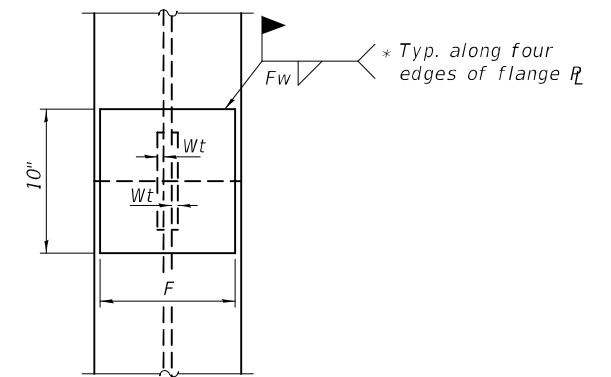


SECTION A-A

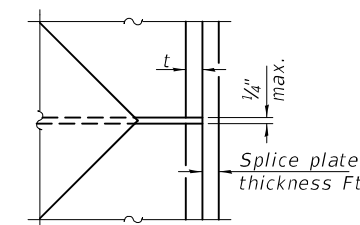
INDIVIDUAL PILE CONCRETE ENCASUREMENT
(when specified)



ELEVATION



END VIEW



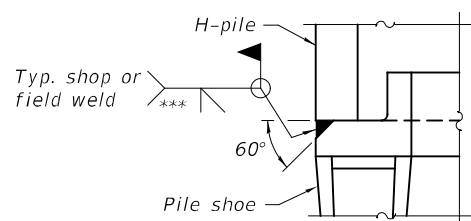
DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

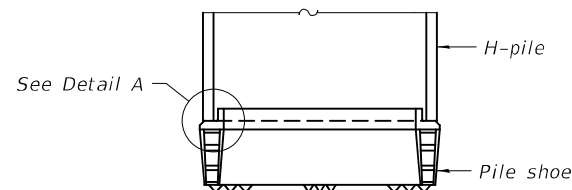
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

SHOE ATTACHMENT



DETAIL A

ELEVATION



See Detail A

MODEL: 0250109-74366-019
FILE NAME: p:\w\lanroom\dot\illinois\gov\p\w\dot\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109\CADD Plans\0250109-74366.dgn

F-HP 1-1-2020

DESIGNED - TIFFANY L. MEIER	EXAMINED
CHECKED - PAUL S. JOHNSON	PASSED
DRAWN - MICHAEL B. MOSSMAN	
CHECKED - T.L.M. / P.S.J.	

DATE - JANUARY 14, 2021

 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

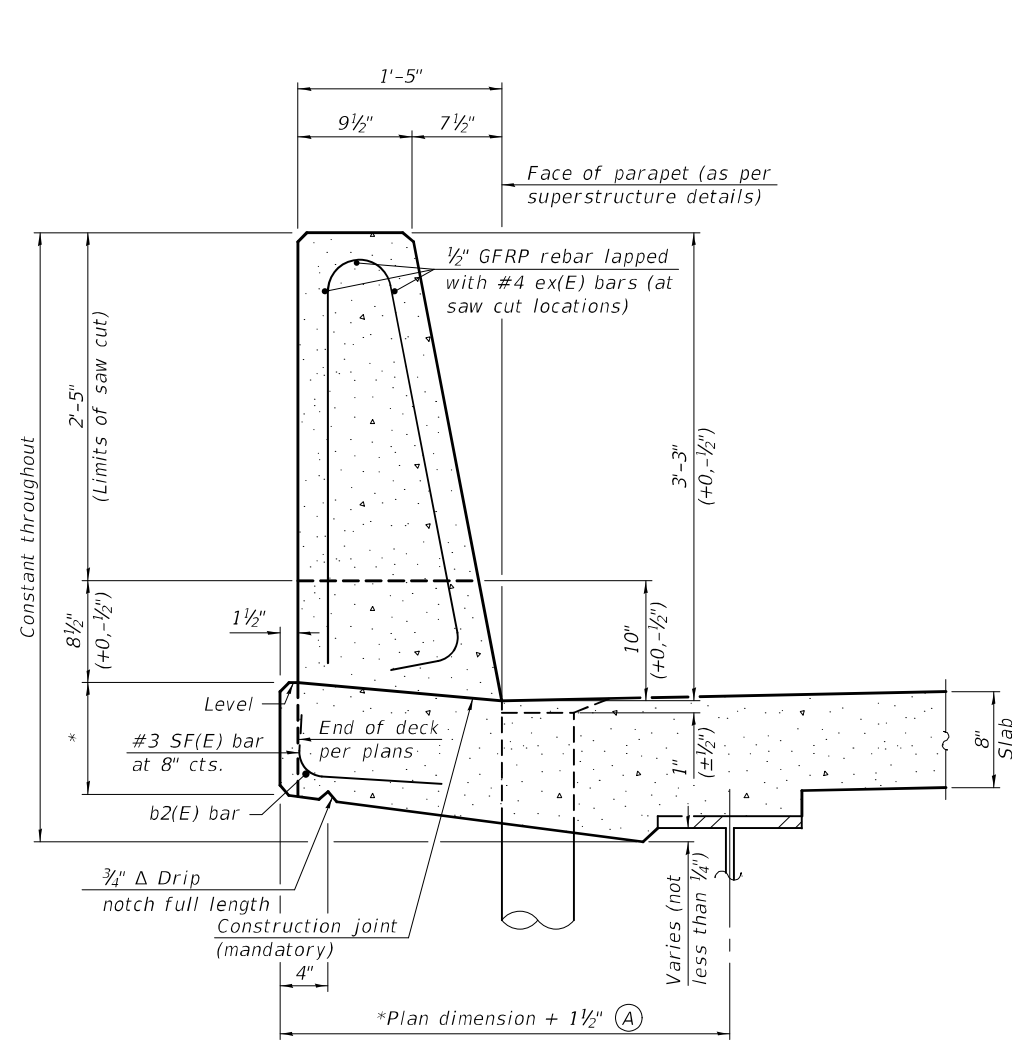
REVISIONS	
REVISIONS	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 025 - 0109

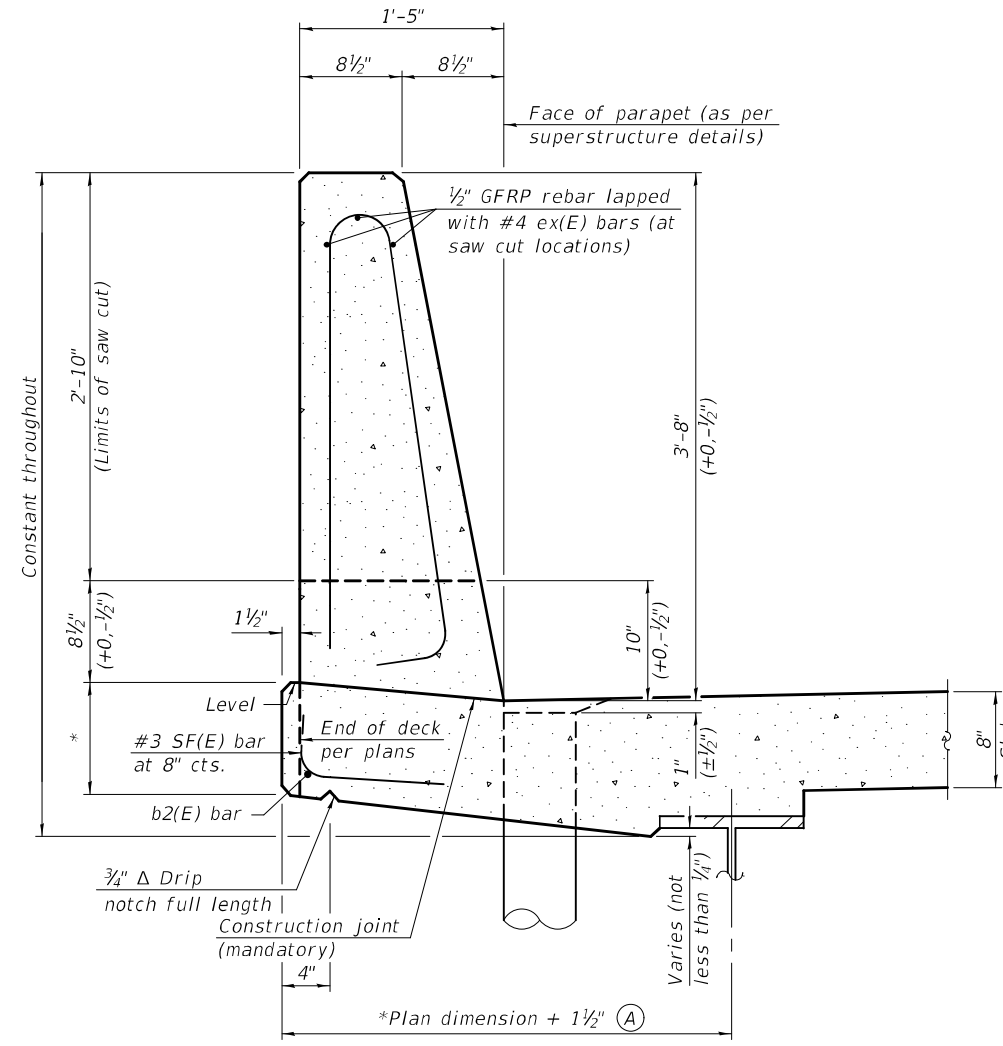
SHEET 19 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	35
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		



**39" CONSTANT-SLOPE
PARAPET SECTION**

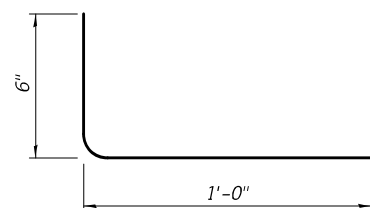
(Showing dimensions, d(E), and 1/2" ∅ GFRP rebar)



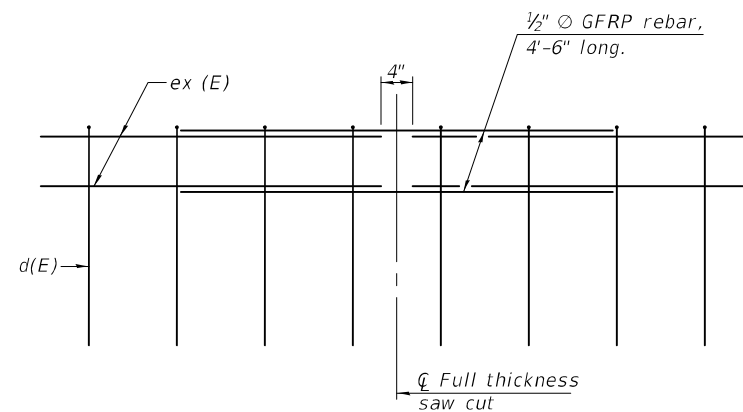
**44" CONSTANT-SLOPE
PARAPET SECTION**

(Showing dimensions, d(E), and 1/2" ∅ GFRP rebar)

*See Superstructure Details.



#3 (E) BAR



GFRP REBAR STIFFENING DETAIL

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

Notes:
All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" and 44" parapets.
Place full depth aluminum sheets as shown on superstructure details.
Replace all cork joint filler locations with a full thickness saw cut.
Steel superstructure shown. Other superstructure types similar.

MODEL: 0250109-74366-020
FILE NAME: p:\w\lanroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0250109-74366.dgn

SFP 39-44

1-1-2020

DESIGNED	-	TIFFANY L. MEIER
CHECKED	-	PAUL S. JOHNSON
DRAWN	-	MICHAEL B. MOSSMAN
CHECKED	-	T.L.M. / P.S.J.

EXAMINED		DATE -	JANUARY 14, 2021
PASSED		REVISOR	
		REVISION	

Joanne F. Schmitt
ENGINEER OF BRIDGE DESIGN
Paul S. Johnson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 025 - 0109

SHEET 20 OF 23 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	36
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

1/14/2021 9:26:22 AM

Page 1 of 2



Illinois Department of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Date 7/17/89

ROUTE FAS 2801 (IL 128) DESCRIPTION Little Moccasin Creek LOGGED BY R. Metheney


SECTION (103BR-1)B-1 LOCATION NW 1/4, SEC. 18, TWP. 8 N, RNG. 4 E, 3 PM

COUNTY Effingham DRILLING METHOD Solid stem auger HAMMER TYPE Auto 140#

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
<u>025-0044</u>	<u>P</u>	<u>L</u>	<u>C</u>	<u>O</u>	<u>N/A</u> ft	<u>P</u>	<u>L</u>	<u>C</u>	<u>O</u>
Station <u>1041+20</u>	<u>H</u>	<u>S</u>	<u>Q</u>	<u>T</u>	<u>N/A</u> ft	<u>H</u>	<u>S</u>	<u>Q</u>	<u>T</u>
BORING NO. <u>2 (1989) S Abut</u>					Groundwater Elev.:				
Station <u>1041+51</u>					∇ First Encounter <u>555.8</u> ft				
Offset <u>5.0ft Rt</u>					∇ Upon Completion <u>537.8</u> ft				
Ground Surface Elev. <u>571.80</u>	(ft) /6"	(tsf)	(%)			(ft) /6"	(tsf)	(%)	
Bituminous surface and PCC Pavement.					Hard, very moist, CLAY TILL (continued)				
570.60						41	6.3	9	
Very soft, very damp, SANDY CLAY LOAM w/ organic odor.									
567.30	5	0.2	19			41	5.8	11	
Medium to soft, very damp, CLAY to SANDY CLAY.									
-5									
	5	0.5	15			37	4.5	11	
562.30					Very stiff, damp, CLAY TILL.				
Very soft, very damp, CLAY LOAM to CLAY w/ 1/8" Sand lenses and organic odor.									
-10									
	4	0.5	20			30	3.0	13	
559.80									
	3	0.2	28			31	3.7	12	
-15									
	3	0.2	25			17	2.4	18	
555.80					Stiff, very damp, CLAY TILL.				
	13	1.1	19			15	2.0	18	
553.80									
	31	4.6	10			30	3.1	14	
-20									

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

Page 2 of 2



Illinois Department of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Date 7/17/89

ROUTE FAS 2801 (IL 128) DESCRIPTION Little Moccasin Creek LOGGED BY R. Metheney

SECTION (103BR-1)B-1 LOCATION NW 1/4, SEC. 18, TWP. 8 N, RNG. 4 E, 3 PM

COUNTY Effingham DRILLING METHOD Solid stem auger HAMMER TYPE Auto 140#

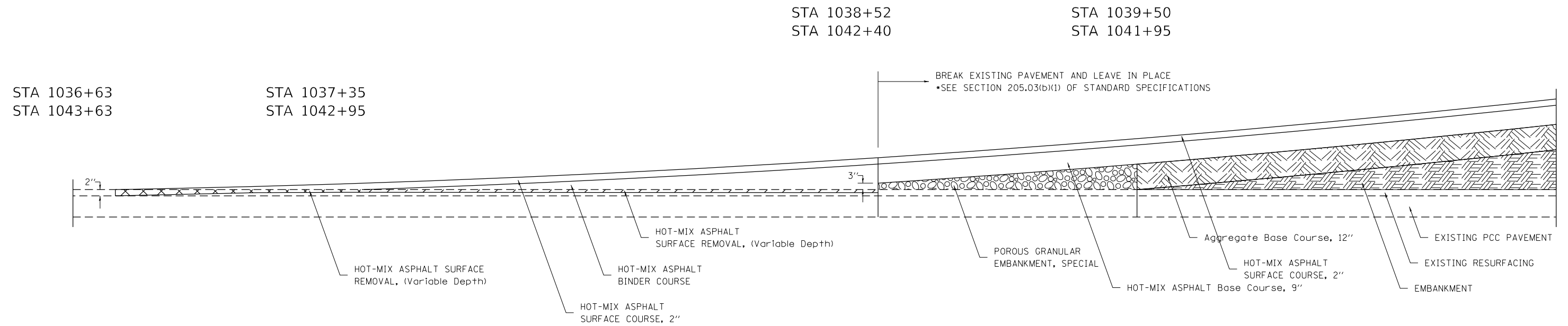
STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
<u>025-0044</u>	<u>P</u>	<u>L</u>	<u>C</u>	<u>O</u>	<u>N/A</u> ft	<u>P</u>	<u>L</u>	<u>C</u>	<u>O</u>
Station <u>1041+20</u>	<u>H</u>	<u>S</u>	<u>Q</u>	<u>T</u>	<u>N/A</u> ft	<u>H</u>	<u>S</u>	<u>Q</u>	<u>T</u>
BORING NO. <u>2 (1989) S Abut</u>					Groundwater Elev.:				
Station <u>1041+51</u>					∇ First Encounter <u>555.8</u> ft				
Offset <u>5.0ft Rt</u>					∇ Upon Completion <u>537.8</u> ft				
Ground Surface Elev. <u>571.80</u>	(ft) /6"	(tsf)	(%)			(ft) /6"	(tsf)	(%)	
Very stiff, damp to very damp, CLAY, (continued)									
530.80									
Hard, damp, CLAY TILL.						35	4.5	13	
528.80					Very stiff, damp, CLAY TILL.				
-45									
	31	3.7	12						
525.80					Hard, damp, CLAY TILL.				
	51	5.9	11						
522.80									
	133	6.1	15						
522.30									
-50					Extent of exploration.				
-55									
-60									

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

MODEL: 0250109-74366-022
FILE NAME: p:\w\lanroom\dot\illinois\gov\p\w\dot\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0250109\0250109-74366.dgn

DESIGNED - TIFFANY L. MEIER	EXAMINED - <i>James F. DeLoach</i>	DATE - JANUARY 14, 2021	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 025 - 0109	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PAUL S. JOHNSON	PASSED - <i>Carl Berger</i>	REVISED -			2801	(103BR-1)B-1	EFFINGHAM	68	38
DRAWN - MICHAEL B. MOSSMAN	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -			CONTRACT NO. 74366				
CHECKED - T.L.M. / P.S.J.					SHEET 22 OF 23 SHEETS				
					ILLINOIS	FED. AID PROJECT			

HMA PROFILE GRADE CHANGE DETAIL

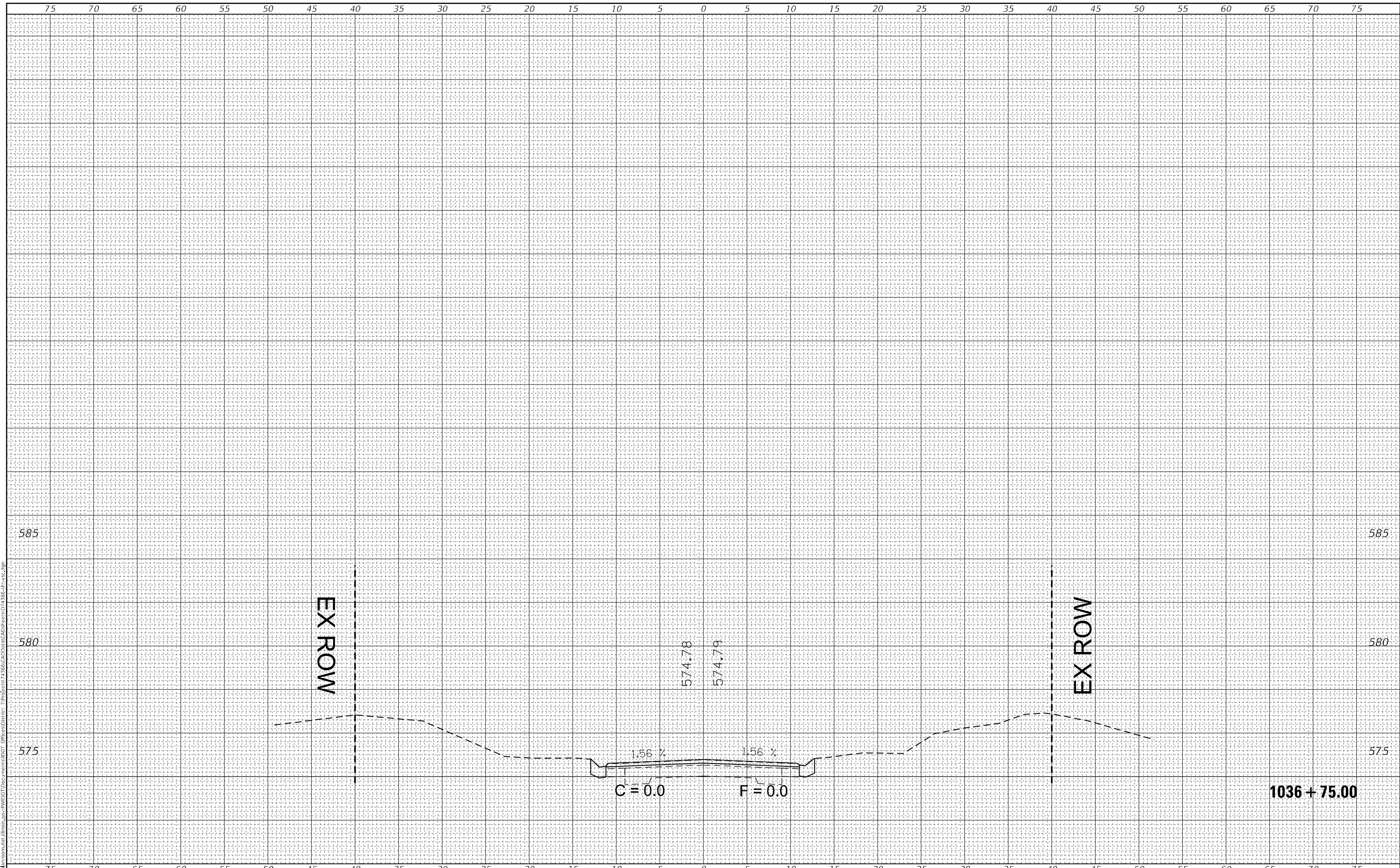


FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOB DETAILS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74366\DRAWING\CADsheets\0774366-shd-details.dgn	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					2801	(103BR-1)B-1	EFFINGHAM	68	40
Default	PLLOT DATE = 12/11/2020	DATE -	REVISED -		SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT												

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

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

MODEL: Default
 FILE NAME: D:\data\lansom.dwg
 PROJECT: P:\projects\1036\CAD\Drawings\1036-1B-1\1036-1B-1-1036-1B-1-1036-1B-1-1036-1B-1-1036-1B-1.dwg



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

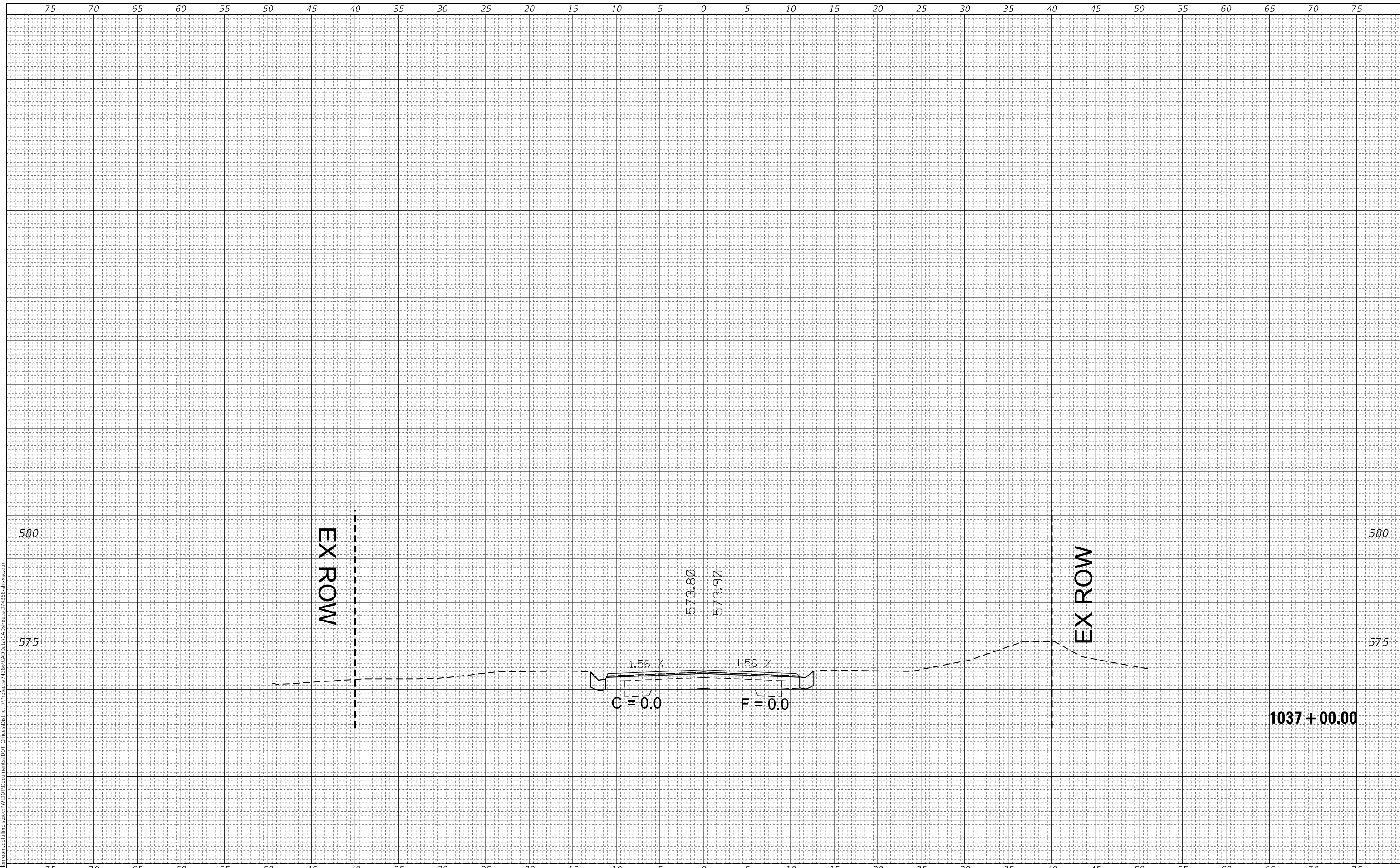
SCALE: SHEET 1 OF 23 SHEETS STA. 1036+75.00 TO STA. 1036+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	41
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\data\lansom.dwg
 PROJECT: I:\projects\74366\CAD\Drawings\1037+00\1037+00.dwg



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

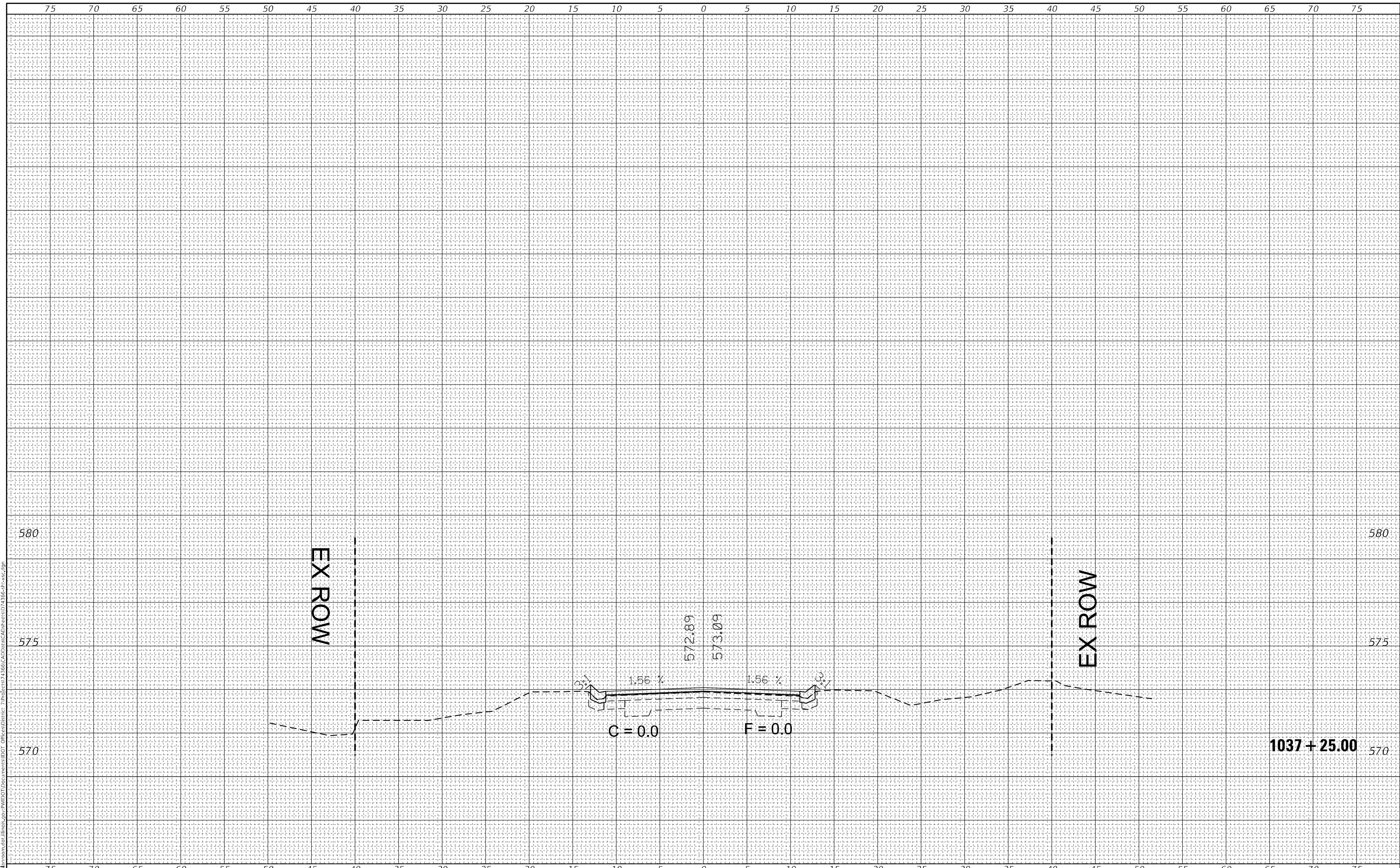
SCALE: SHEET 2 OF 23 SHEETS STA. 1037+00.00 TO STA. 1037+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	42
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: steffennk
 DATE: 12/11/2020



USER NAME = steffennk
PLOT SCALE = 10,0000 * / in.
PLOT DATE = 12/11/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

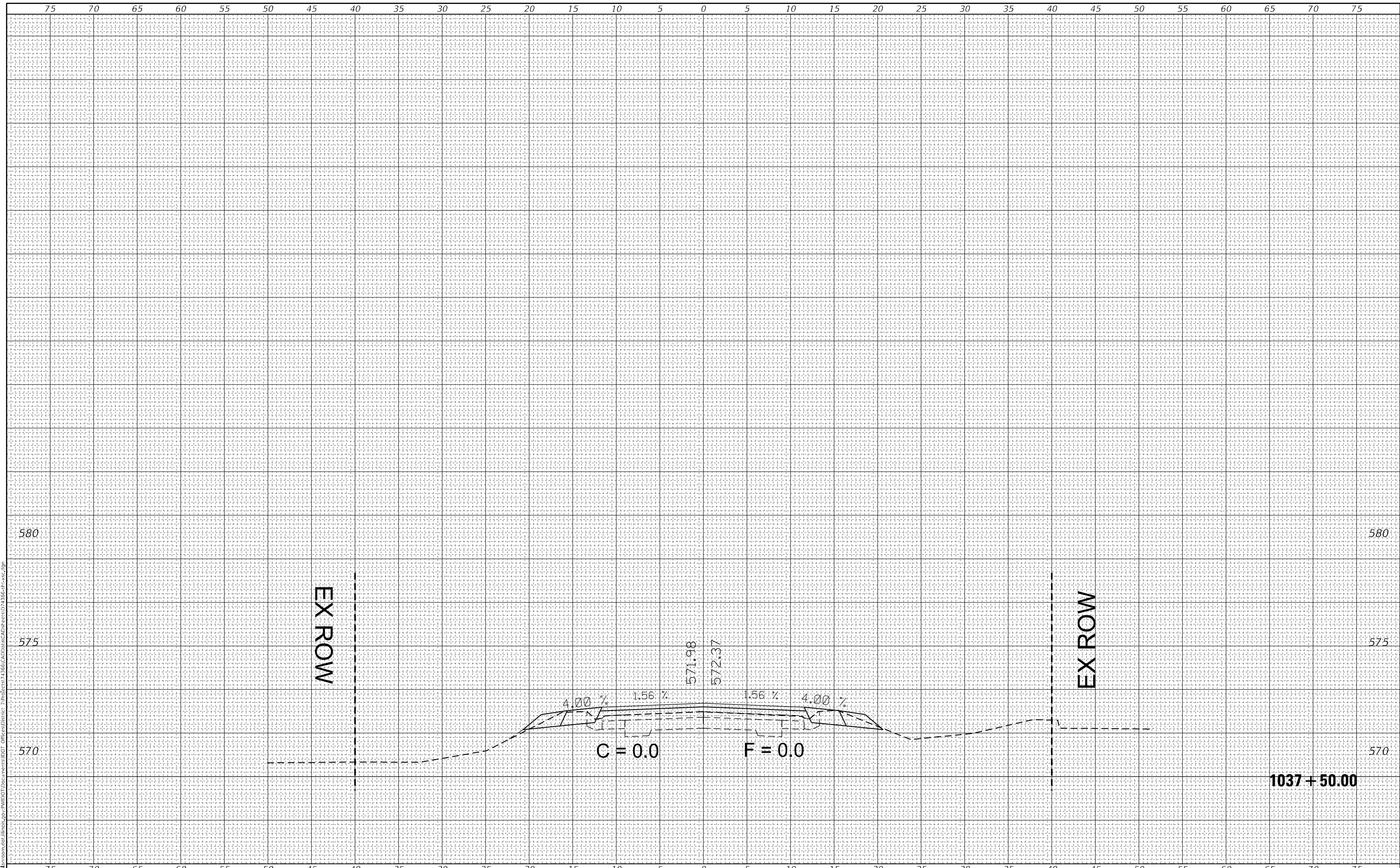
SCALE: SHEET 3 OF 23 SHEETS STA. 1037+25.00 TO STA. 1037+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	43
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: steffennk



USER NAME = steffennk	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISIED -
PLOT DATE = 12/11/2020	DATE -	REVISIED -

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

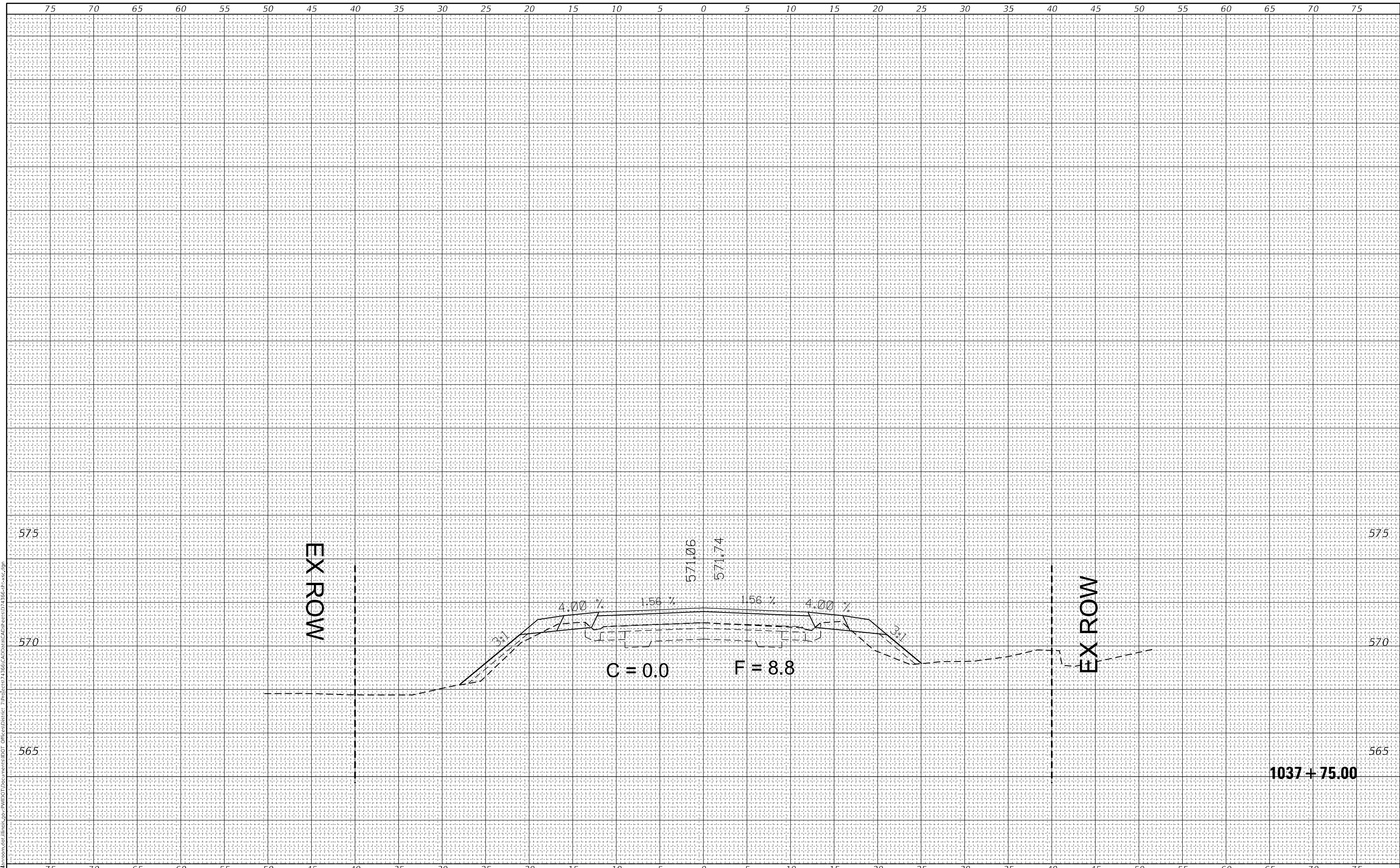
CROSS SECTIONS MAINLINE	
SCALE:	SHEET 4 OF 23 SHEETS
	STA. 1037+50.00 TO STA. 1037+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	44
			CONTRACT NO. 74366	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Default
 FILE NAME: D:\data\lansom.dwg
 PROJECT: I:\projects\1037\1037-1B-1\1037-1B-1.dwg
 USER: stef@nmk



USER NAME = stef@nmk	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISIED -
PLOT DATE = 12/11/2020	DATE -	REVISIED -

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

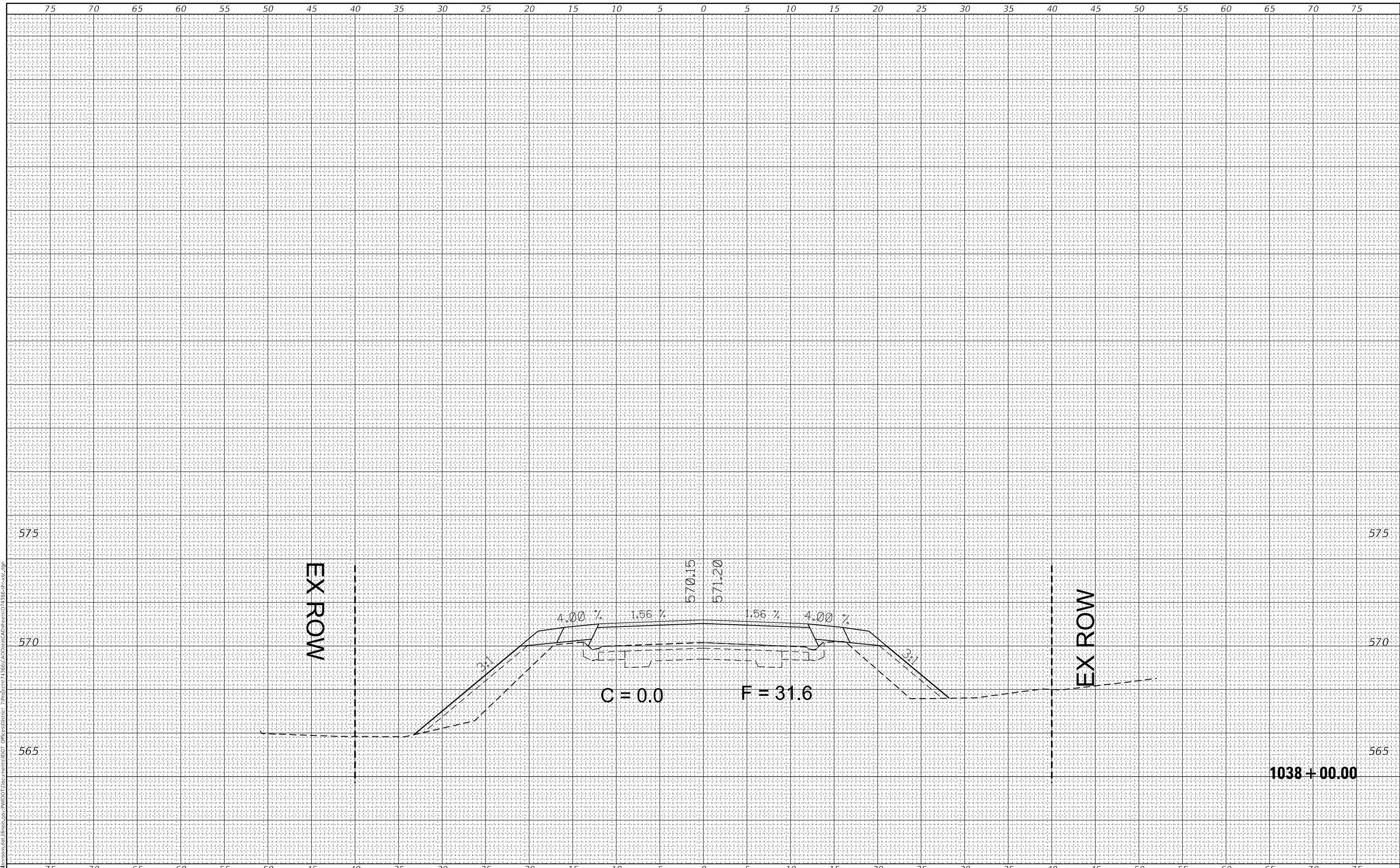
SCALE: SHEET 5 OF 23 SHEETS STA. 1037+75.00 TO STA. 1037+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	45
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\1038\CAD\Drawings\1038-1B-1\Cross\1038-1B-1-Cross-06.dwg



USER NAME = stefenmk
PLOT SCALE = 10,0000 * / in.
PLOT DATE = 12/11/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

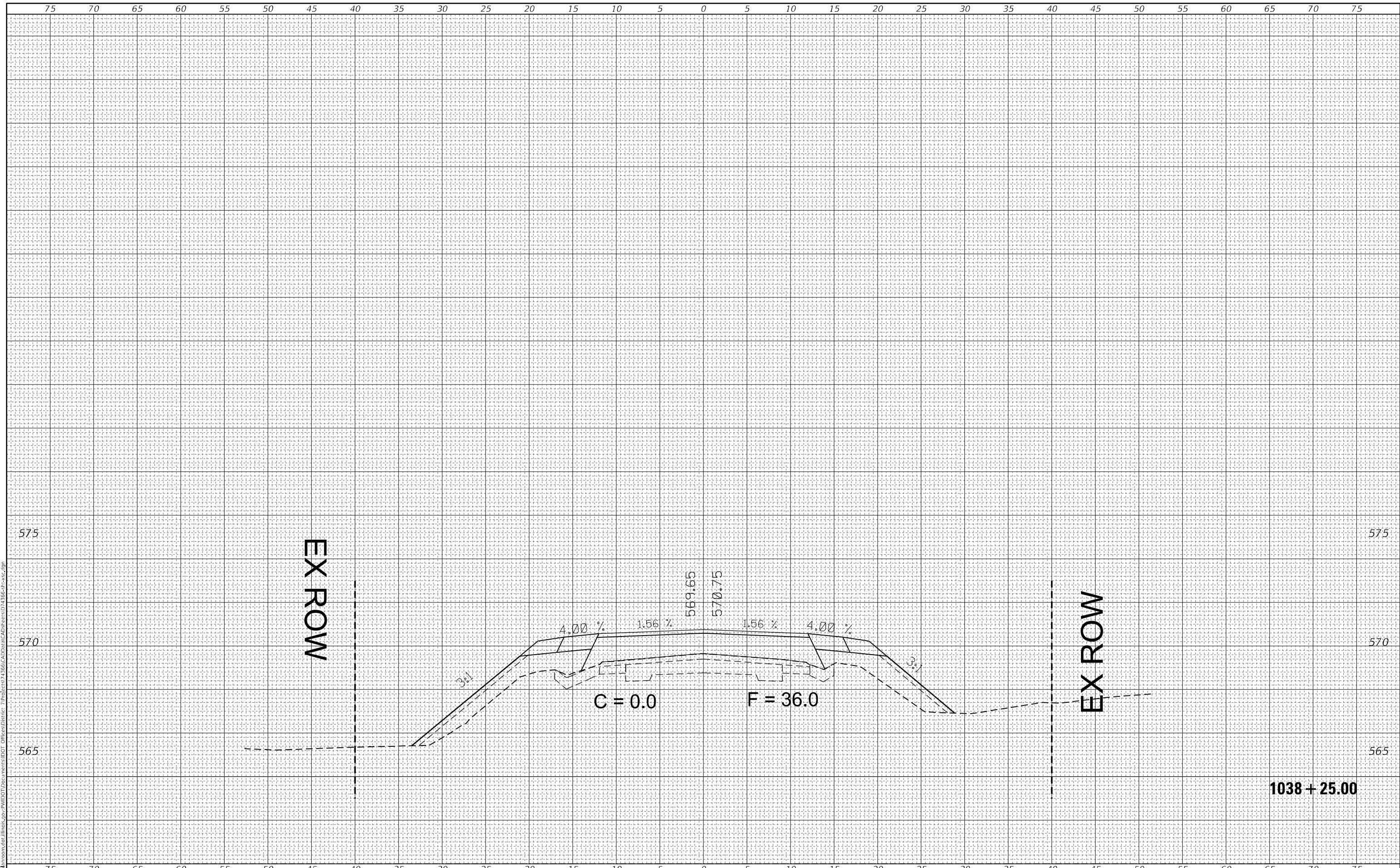
SCALE: SHEET 6 OF 23 SHEETS STA. 1038+00.00 TO STA. 1038+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	46
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: steffennmk



USER NAME = steffennmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

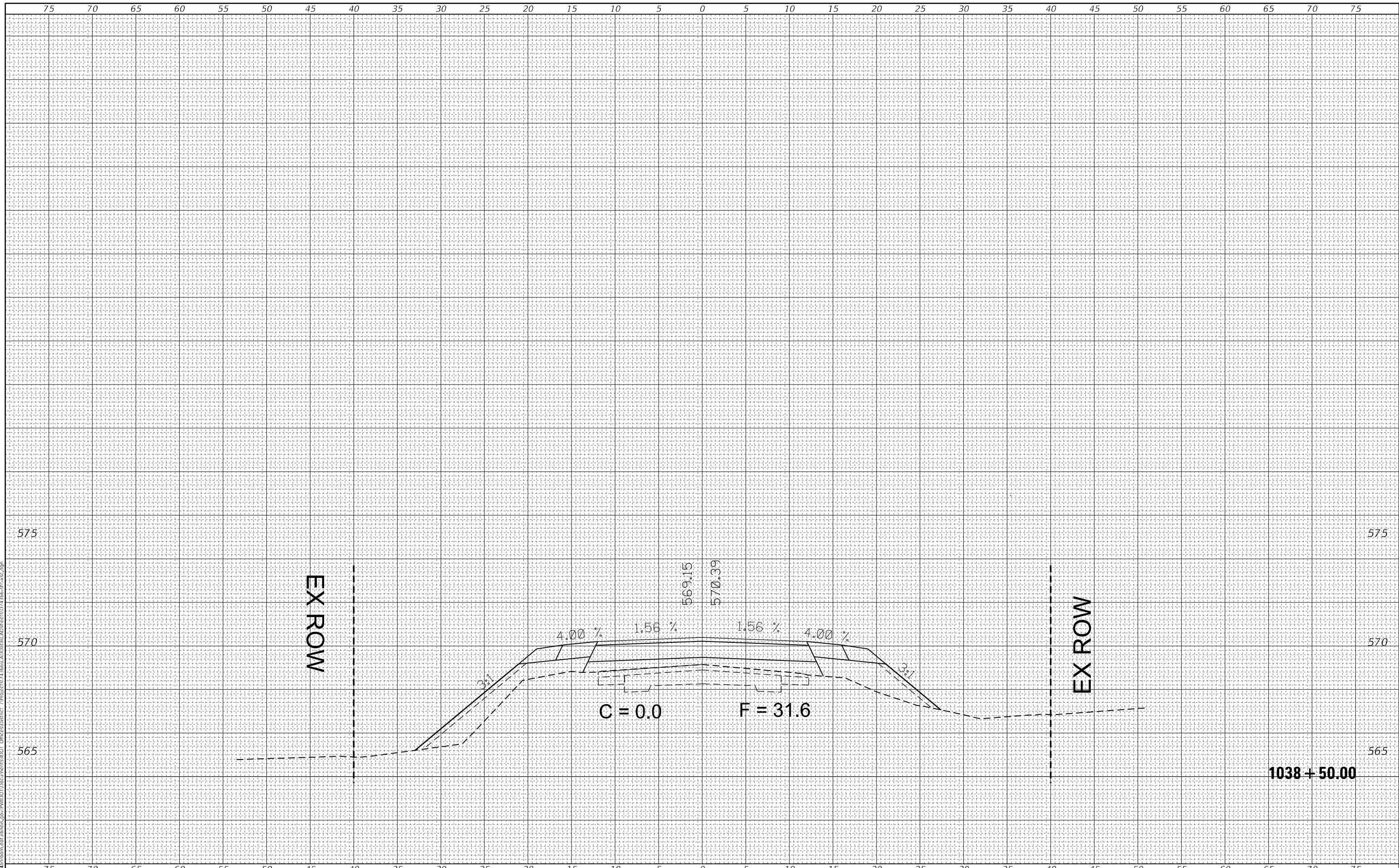
SCALE: SHEET 7 OF 23 SHEETS STA. 1038+25.00 TO STA. 1038+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	47
			CONTRACT NO. 74366	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Default
FILE NAME: D:\data\mason.dwg
PLOT DATE: 12/11/2020
PLOT SCALE: 10,0000 * / in.
USER NAME: stefenmk
DESIGNED: -
DRAWN: -
CHECKED: -
DATE: -



USER NAME = stefenmk	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISIED -
PLOT DATE = 12/11/2020	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
MAINLINE**

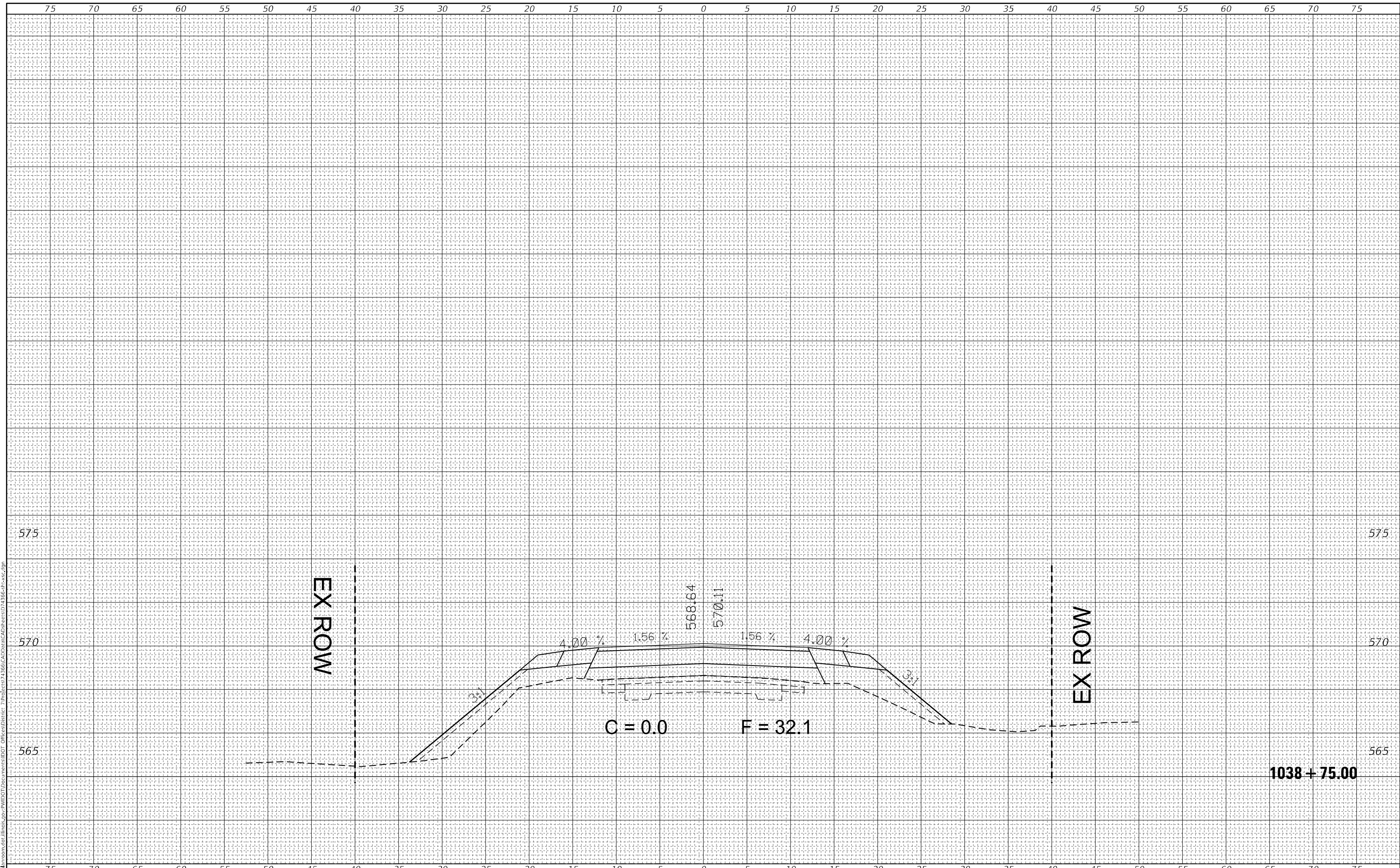
SCALE: SHEET 8 OF 23 SHEETS STA. 1038+50.00 TO STA. 1038+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	48
			CONTRACT NO. 74366	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: A:\Projects\103BR-1\103BR-1.dwg
 USER: steffennk



USER NAME = steffennk
PLOT SCALE = 10,0000 * / in.
PLOT DATE = 12/11/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

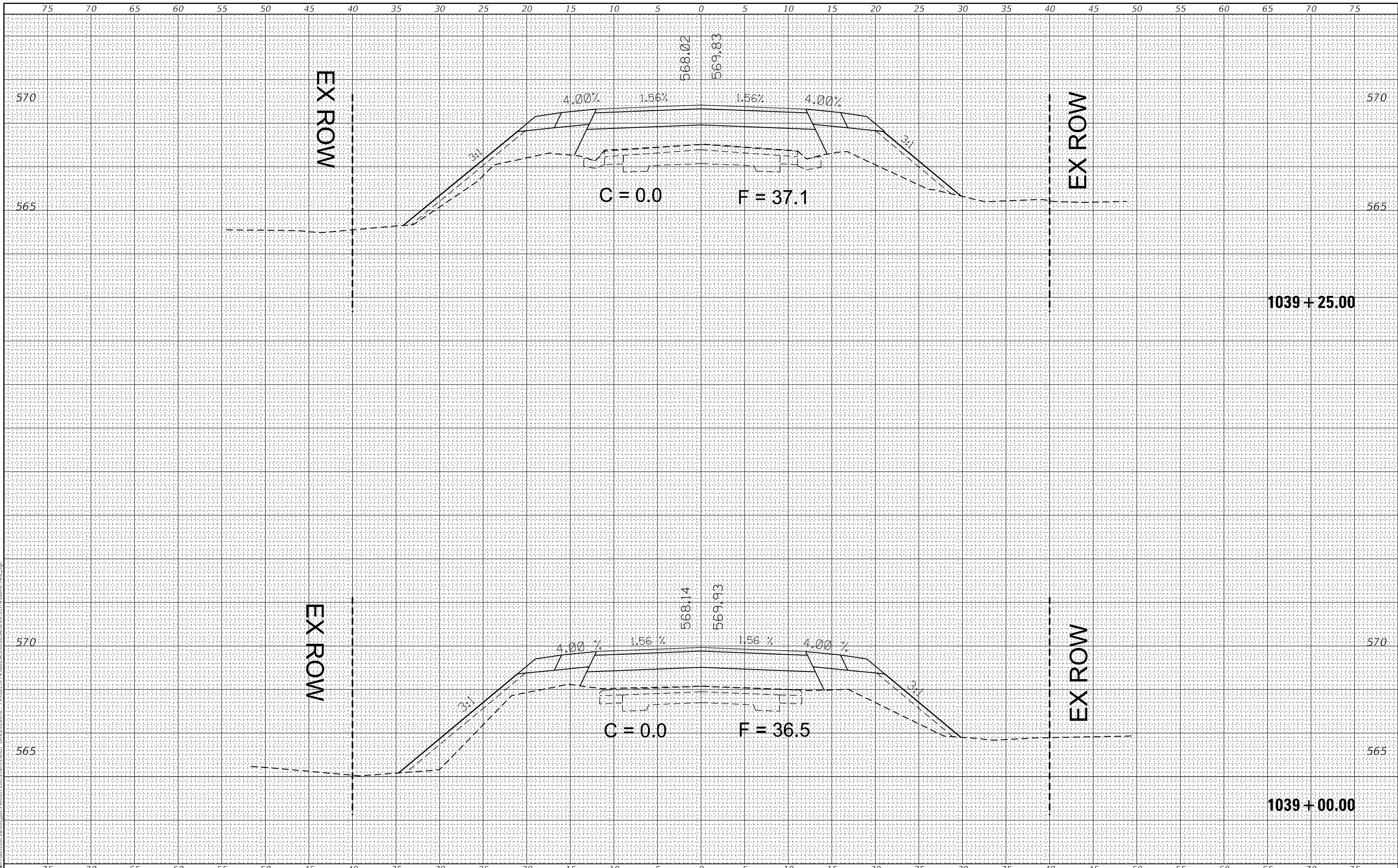
SCALE: SHEET 9 OF 23 SHEETS STA. 1038+75.00 TO STA. 1038+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	49
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: 1039+00.00
 USER: stefennmk
 DATE: 12/11/2020



USER NAME = stefennmk
DESIGNED -
DRAWN -
PLOT SCALE = 10,0000 * / in.
PLOT DATE = 12/11/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

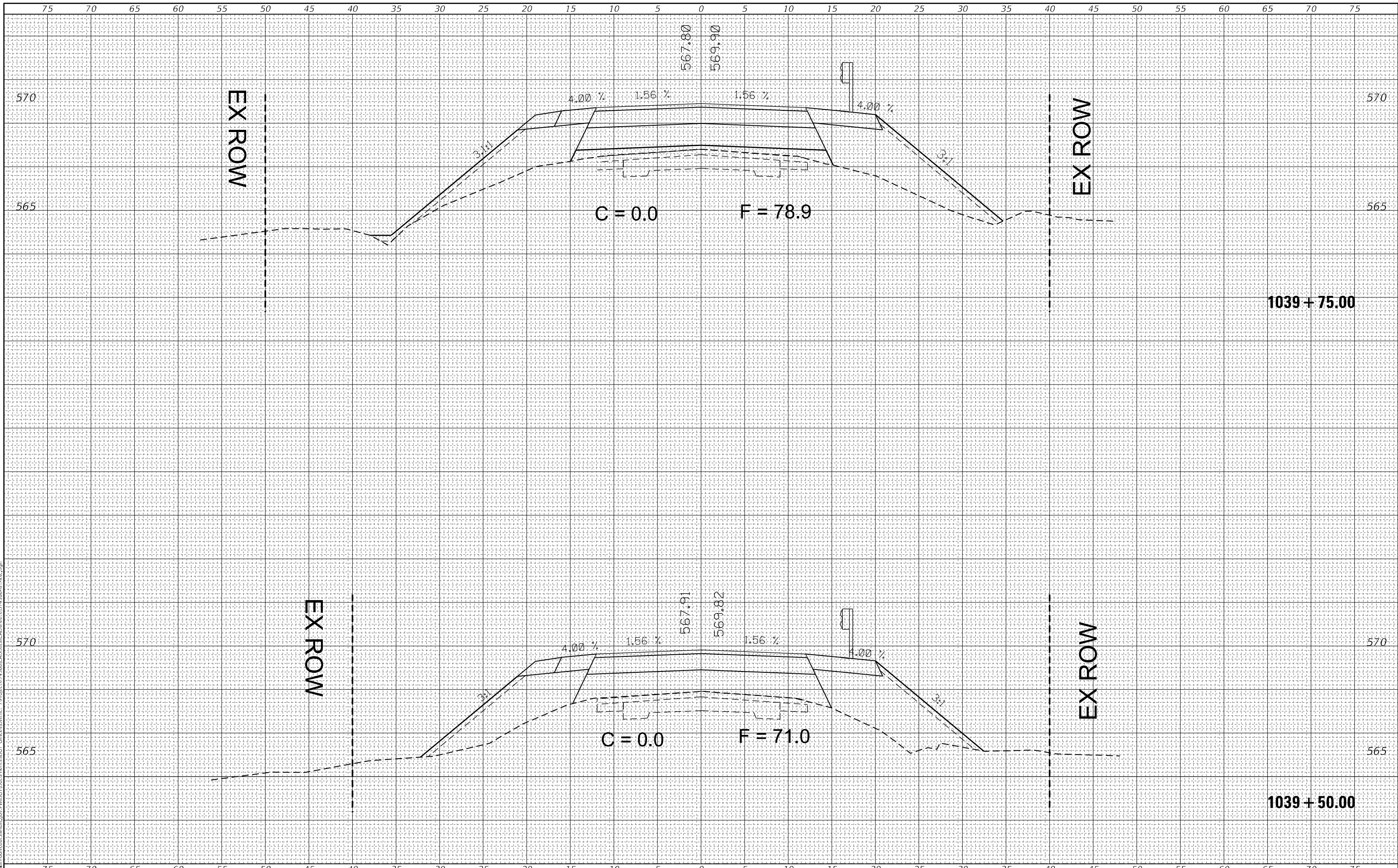
SCALE: SHEET 10 OF 23 SHEETS STA. 1039+00.00 TO STA. 1039+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	50
				CONTRACT NO. 74366
				ILLINOIS FED. AID PROJECT

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

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

MODEL: Default
FILE NAME: D:\data\mason.dwg
PROJECT: I:\projects\74366\CAD\Drawings\1039+50.00\1039+50.00.dwg



USER NAME	= stefenmk
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISD	-
REVISD	-
REVISD	-
REVISD	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
MAINLINE**

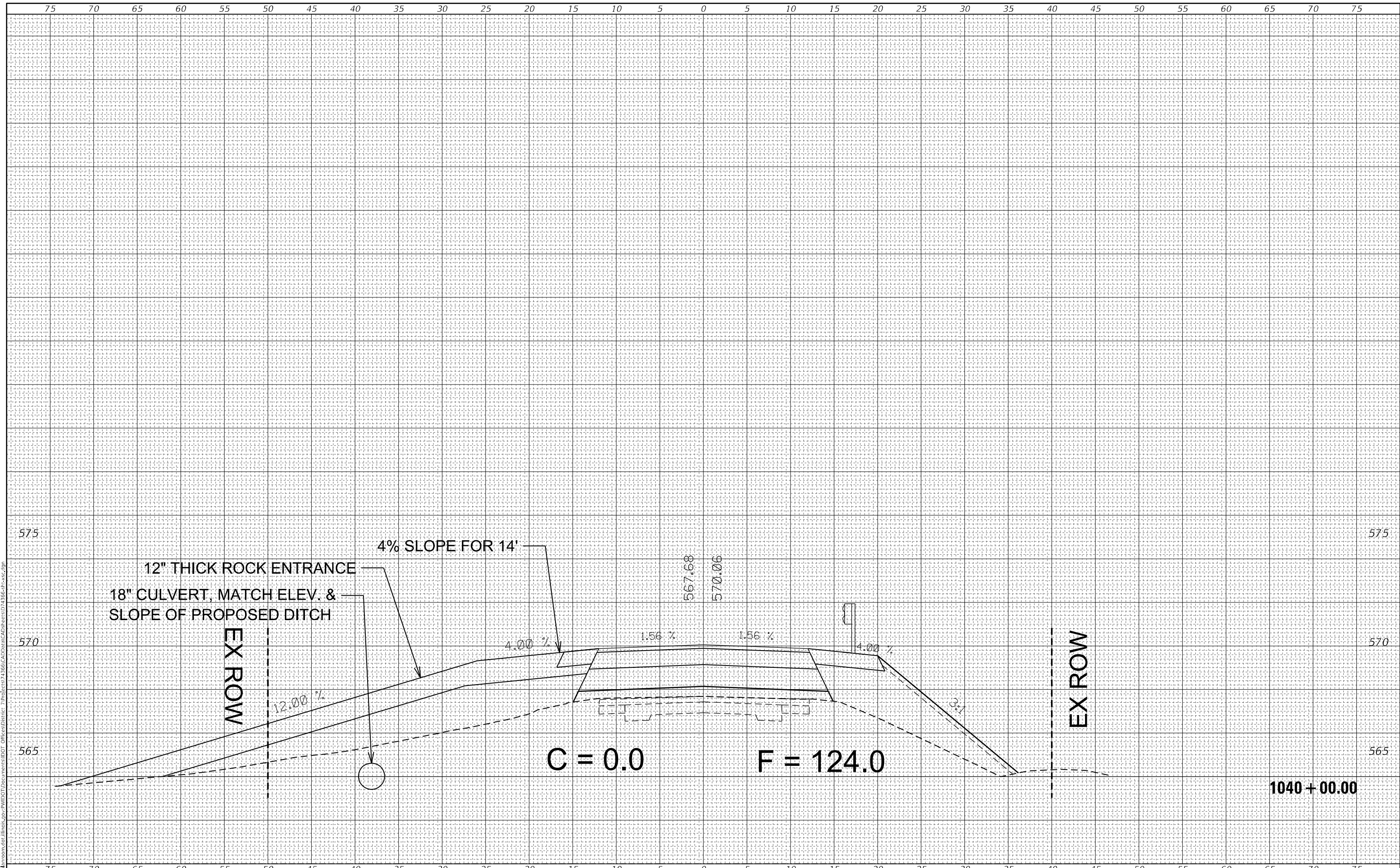
SCALE: SHEET 11 OF 23 SHEETS STA. 1039+50.00 TO STA. 1039+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	51
				CONTRACT NO. 74366
				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:\data\mason.dwg
 PROJECT: 103BR-1J8-1
 USER: steffemnk
 DATE: 12/11/2020



USER NAME = steffemnk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

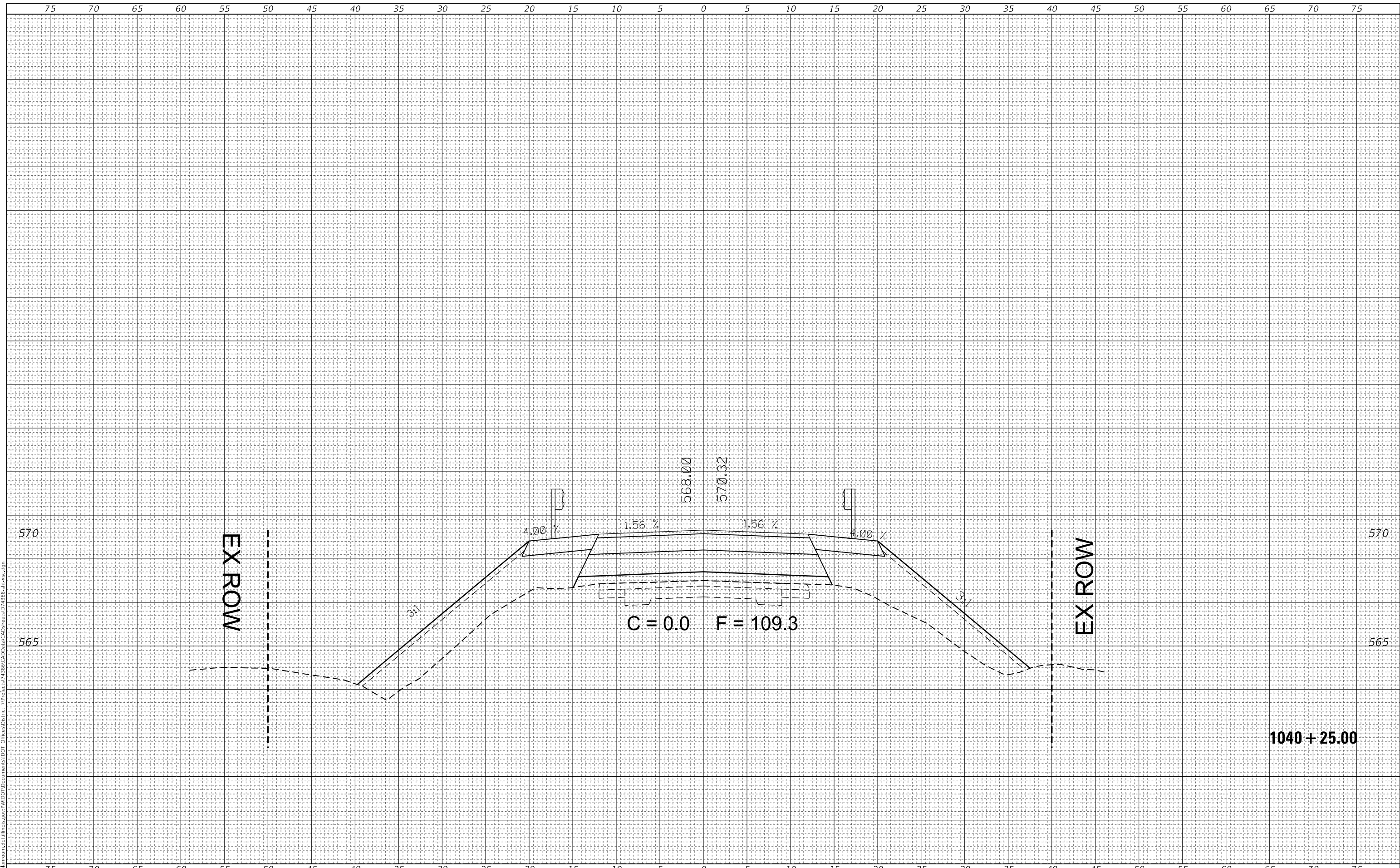
CROSS SECTIONS MAINLINE	
SCALE:	SHEET 12 OF 23 SHEETS
STA. 1040+00.00 TO STA. 1040+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	52
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: P:\Projects\103BR\103BR-1\DOT Documents\DOT - Office\Printer - 1\Projects\103BR\CAD\Drawings\103BR-1\103BR-1-13.dwg



USER NAME = steffenmk
DESIGNED -
DRAWN -
PLOT SCALE = 10,0000 * / in.
PLOT DATE = 12/11/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
MAINLINE

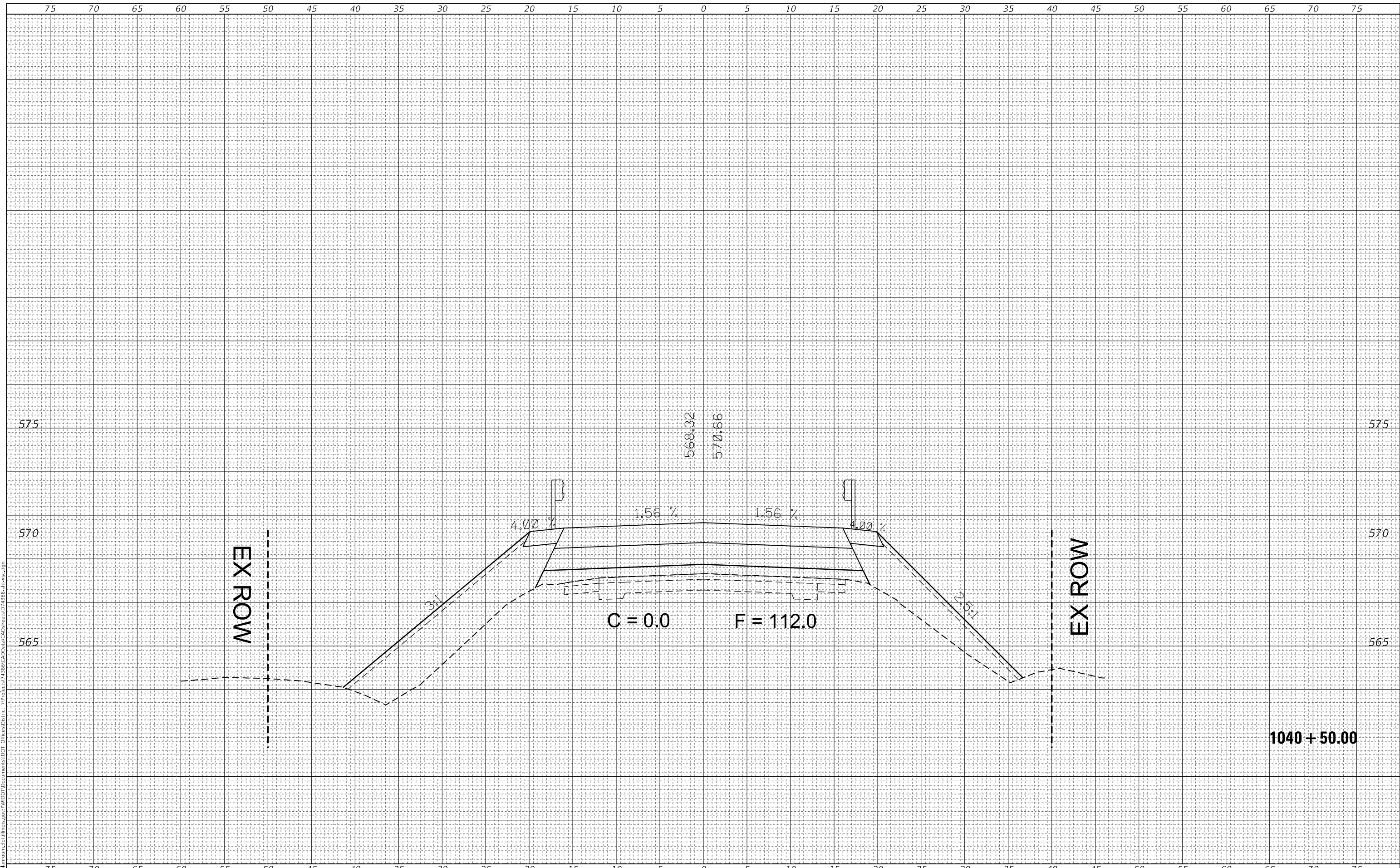
SCALE: SHEET 13 OF 23 SHEETS STA. 1040+25.00 TO STA. 1040+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	53
CONTRACT NO. 74366				
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: stfennmk

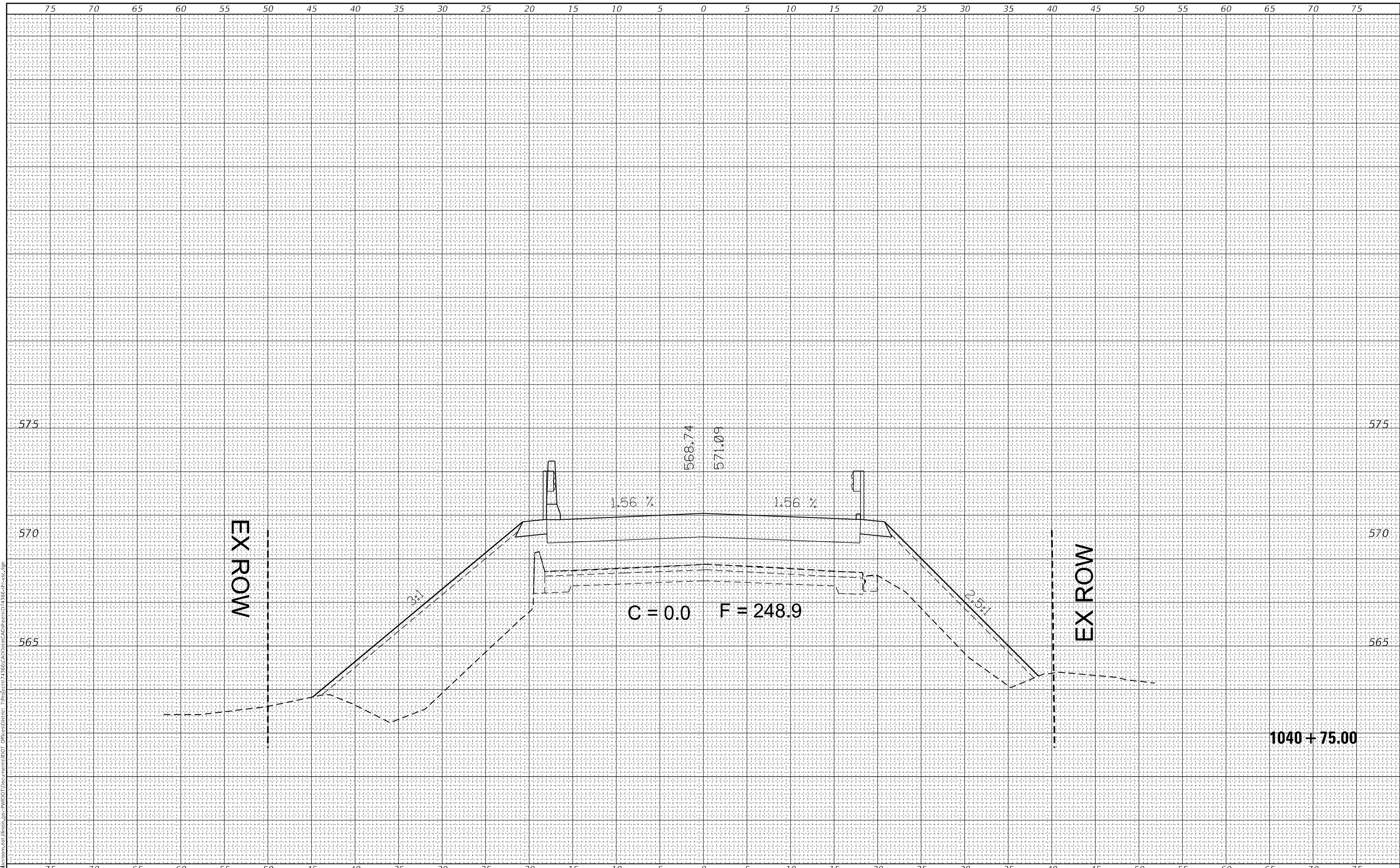


USER NAME = stfennmk	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISD -		SCALE:	SHEET 14	OF 23 SHEETS	2801	(103BR-1)B-1	EFFINGHAM	68	54
PLOT DATE = 12/11/2020	CHECKED -	REVISD -		STA. 1040+50.00	TO STA. 1040+50.00		CONTRACT NO. 74366				
	DATE -	REVISD -		ILLINOIS FED. AID PROJECT							

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: stefennmk
 DATE: 12/11/2020



USER NAME = stefennmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

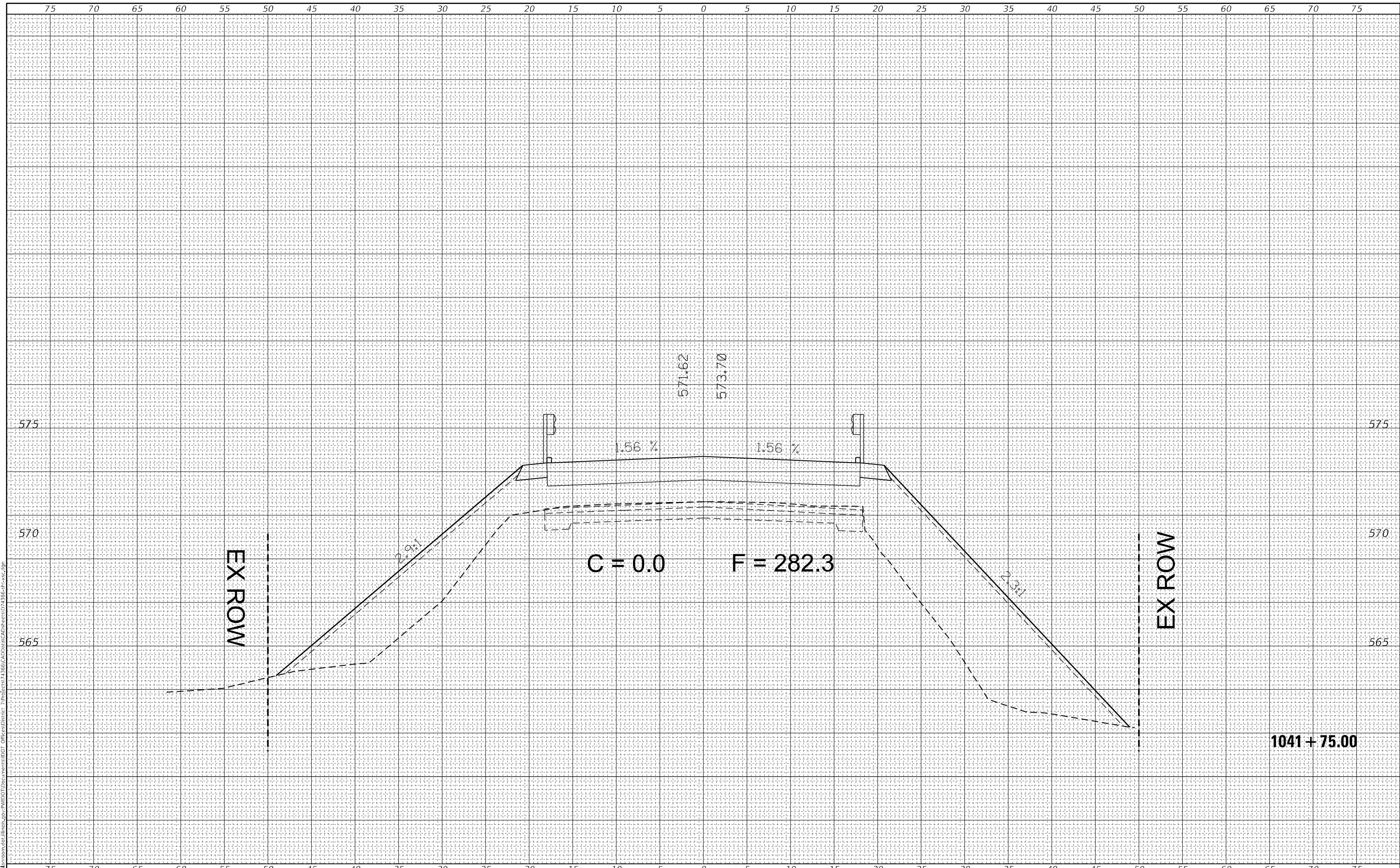
**CROSS SECTIONS
 MAINLINE**
 SCALE: SHEET 15 OF 23 SHEETS STA. 1040+75.00 TO STA. 1040+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	55
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\74366\CAD\Drawings\DOT\Drawings\DOT - Office\Printer - 74366\CAD\Drawings\DOT\Drawings\DOT - Office\Printer - 74366.dwg

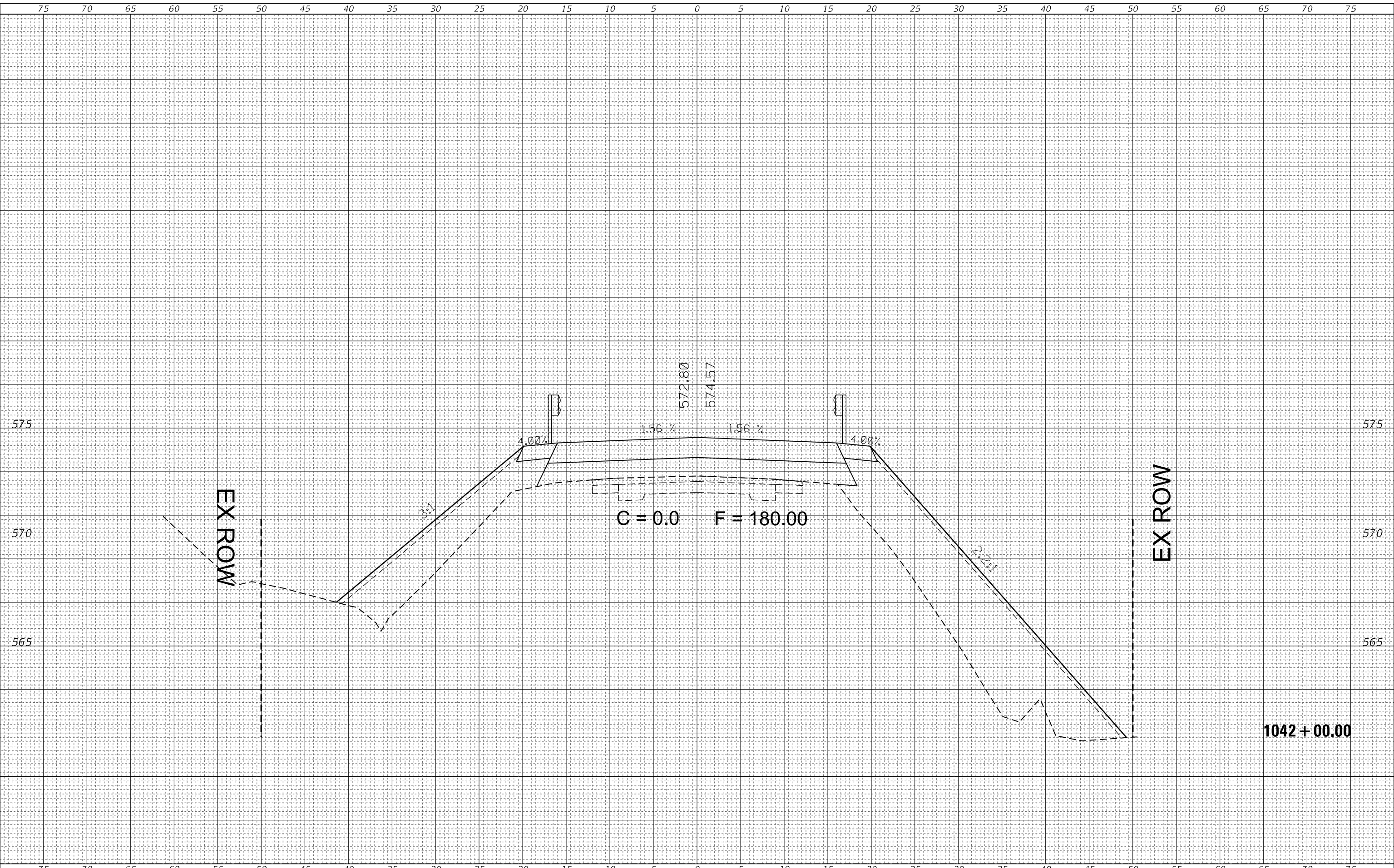


USER NAME = stefenmk	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS MAINLINE		F.A.S. RTE. 2801	SECTION (103BR-1)B-1	COUNTY EFFINGHAM	TOTAL SHEETS 68	SHEET NO. 56		
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISD -		SCALE:	SHEET 16	OF 23 SHEETS	STA. 1041+75.00	TO STA. 1041+75.00	CONTRACT NO. 74366			
PLOT DATE = 12/11/2020	DATE -	REVISD -		ILLINOIS FED. AID PROJECT								

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: Default
FILE NAME: D:\data\lansom.dwg
PROJECT: 103BR-1B-1
DRAWN: 12/11/2020



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

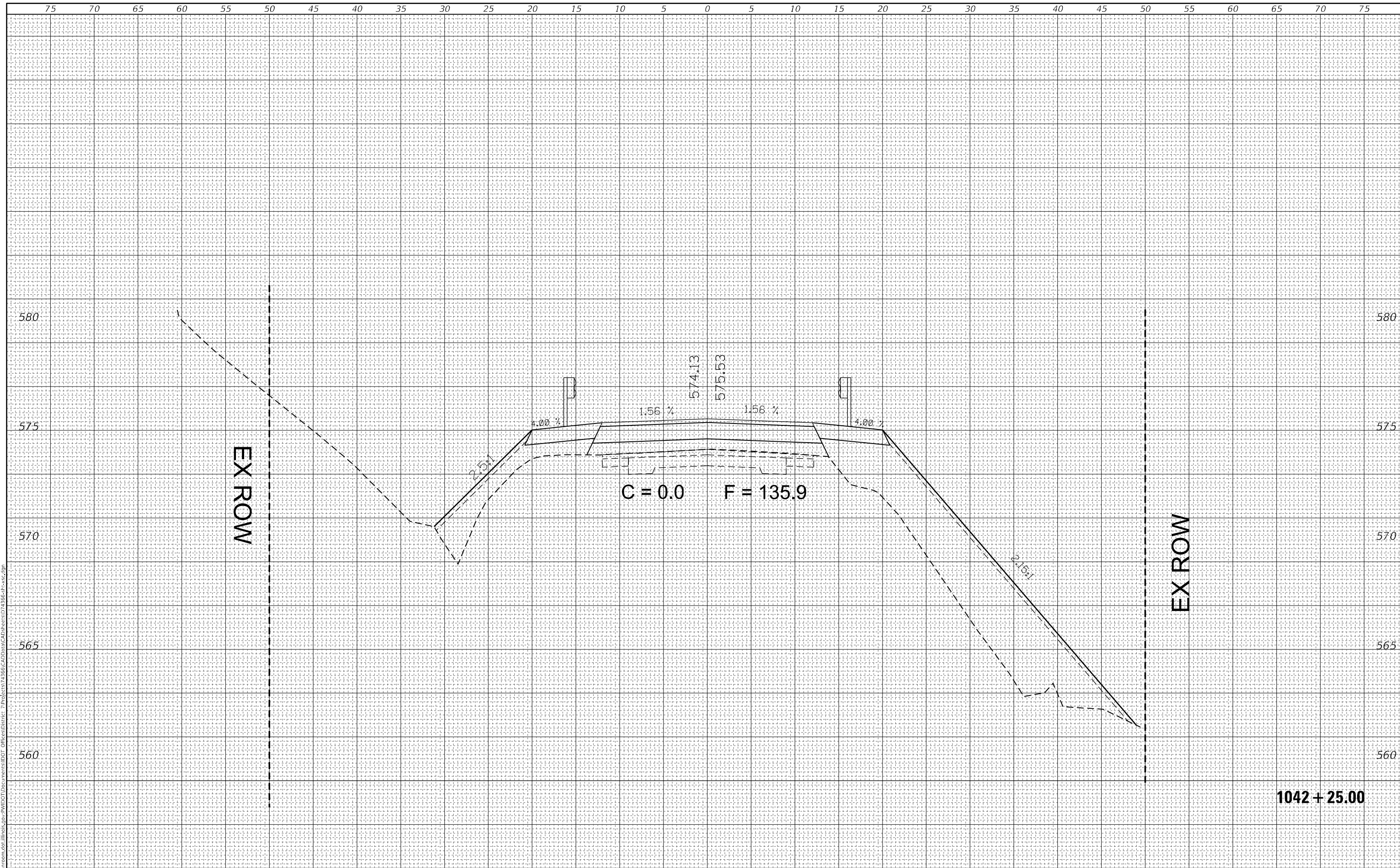
CROSS SECTIONS MAINLINE	
SCALE:	SHEET 17 OF 23 SHEETS
STA. 1042+00.00 TO STA. 1042+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	57
				CONTRACT NO. 74366
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Default
FILE NAME: D:\data\mason.dwg
PLOT DATE: 12/11/2020



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
MAINLINE**

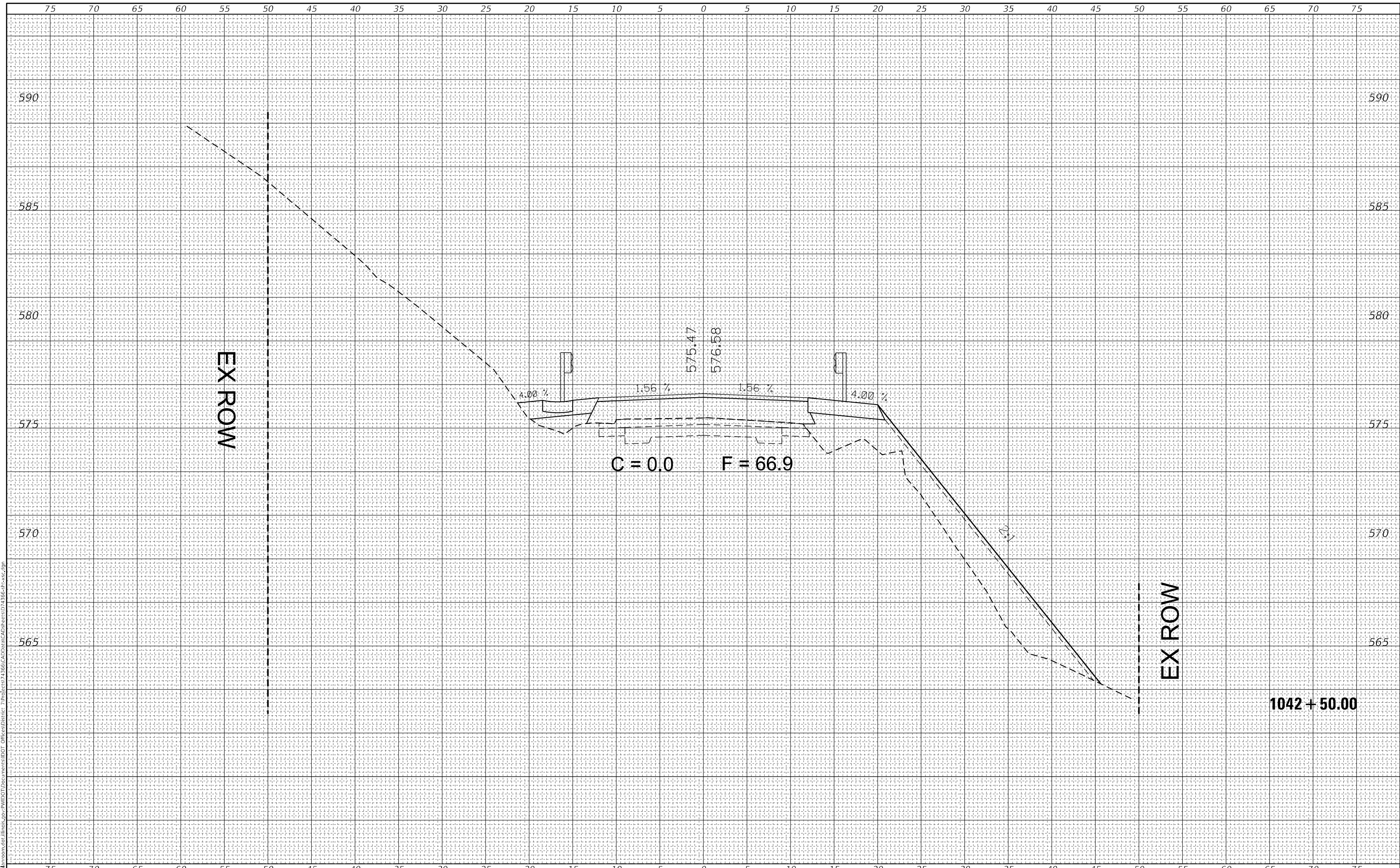
SCALE: SHEET 18 OF 23 SHEETS STA. 1042+25.00 TO STA. 1042+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	58
				CONTRACT NO. 74366
				ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Default
FILE NAME: D:\data\mason.dwg
PLOT DATE: 12/11/2020
PLOT SCALE: 10,0000 * / in.
USER NAME: stefenmk



DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
MAINLINE**

SCALE: SHEET 19 OF 23 SHEETS STA. 1042+50.00 TO STA. 1042+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	59
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1\103BR-1.dwg
 USER: stefennmk



USER NAME = stefennmk
DESIGNED -
DRAWN -
PLOT SCALE = 10,0000 * / in.
PLOT DATE = 12/11/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

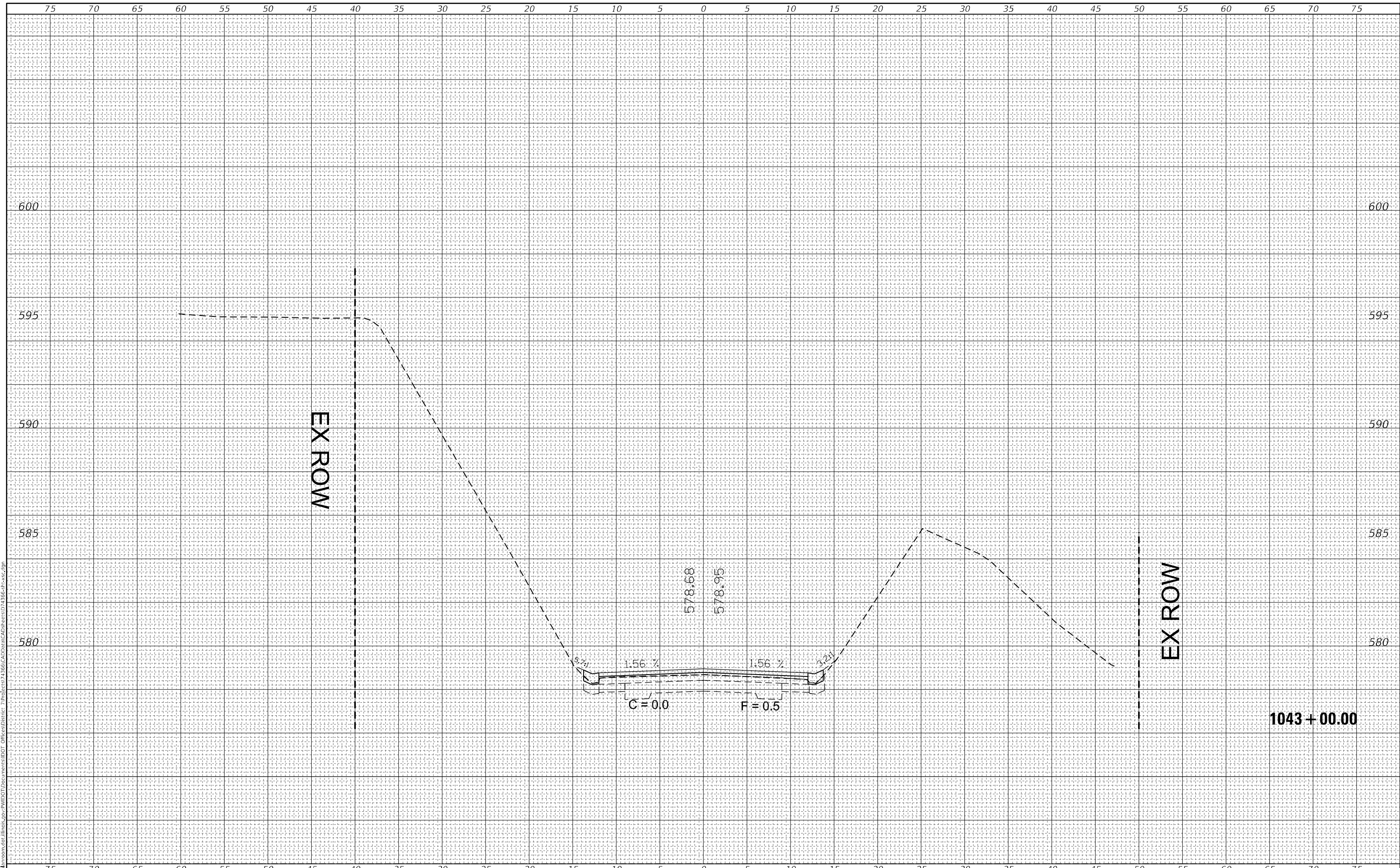
SCALE: SHEET 20 OF 23 SHEETS STA. 1042+75.00 TO STA. 1042+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	60
			CONTRACT NO. 74366	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: stfennmk



USER NAME = stfennmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

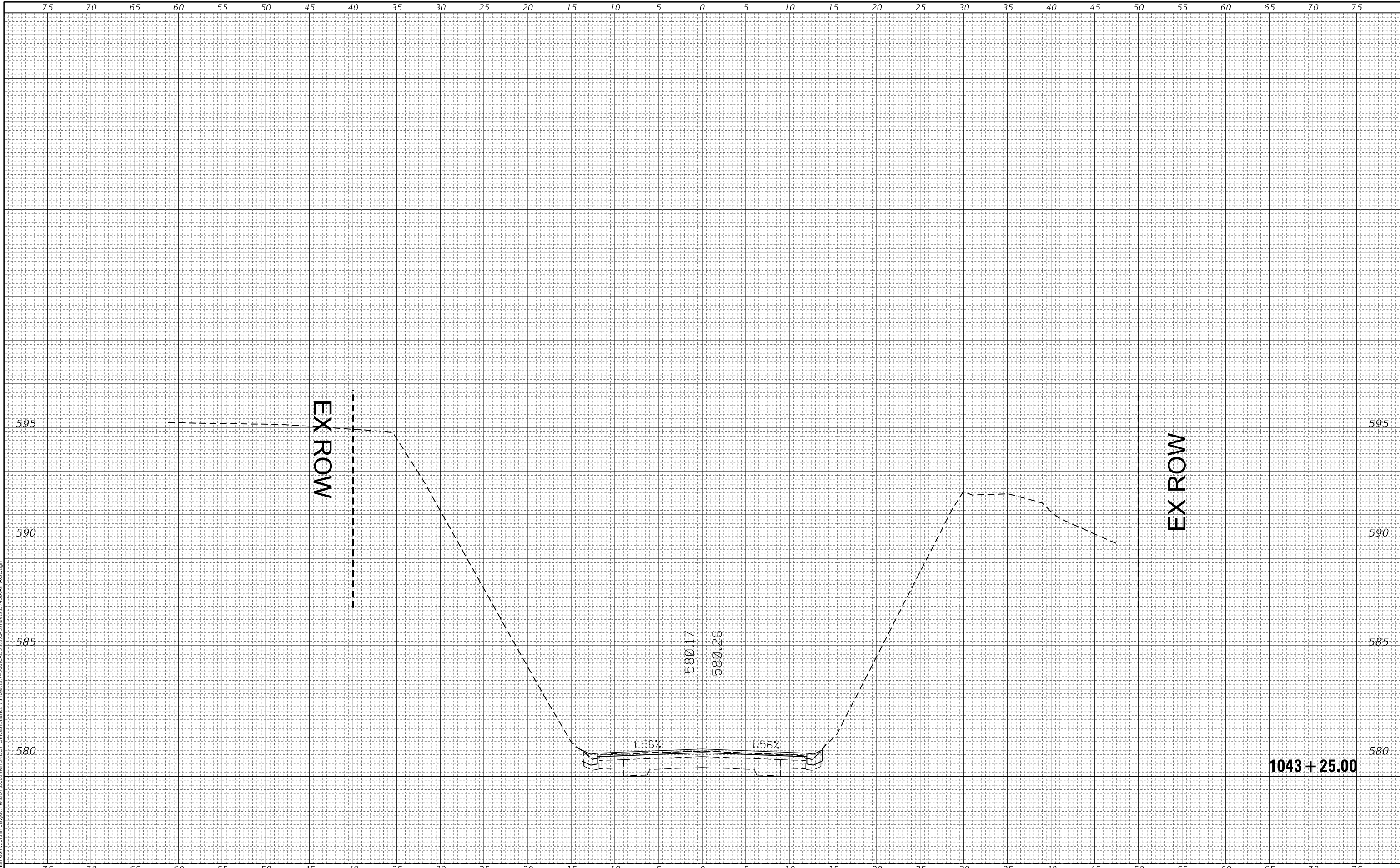
SCALE: SHEET 21 OF 23 SHEETS STA. 1043+00.00 TO STA. 1043+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	61
				CONTRACT NO. 74366
				ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: stfennmk



USER NAME = stfennmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 MAINLINE**

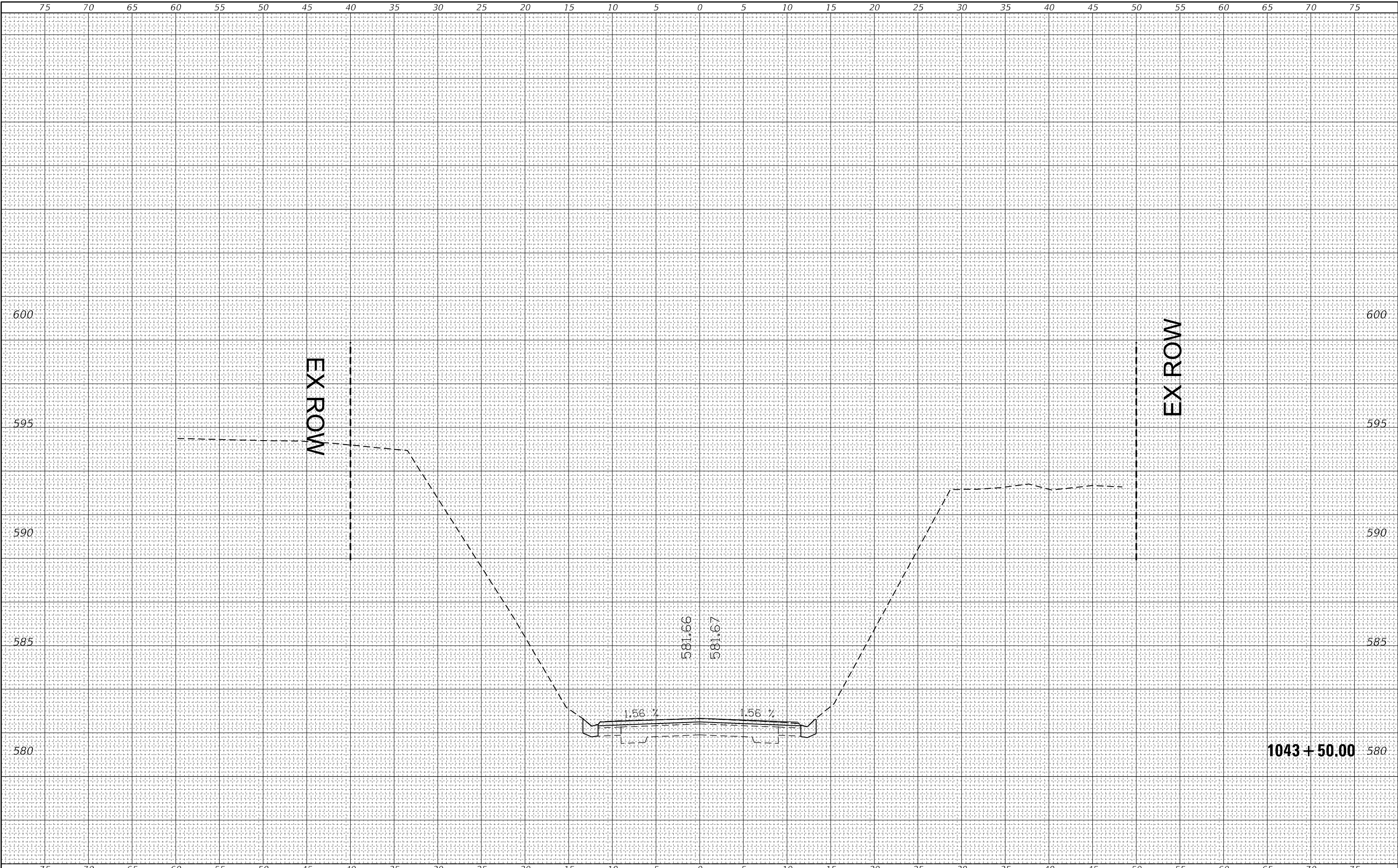
SCALE: SHEET 22 OF 23 SHEETS STA. 1043+25.00 TO STA. 1043+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	62
CONTRACT NO. 74366			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Default
FILE NAME: D:\data\mason.dwg
PLOT DATE: 12/11/2020
PLOT SCALE: 10,0000 * / in.
USER NAME: stefenmk
DESIGNED: -
DRAWN: -
CHECKED: -
DATE: -



USER NAME = stefenmk	DESIGNED -	REVISED -	CROSS SECTIONS				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISED -	MAINLINE				2801	(103BR-1)B-1	EFFINGHAM	68	63
PLOT DATE = 12/11/2020	CHECKED -	REVISED -	SCALE:				CONTRACT NO. 74366				
	DATE -	REVISED -	SHEET 23 OF 23 SHEETS				ILLINOIS FED. AID PROJECT				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
MAINLINE**

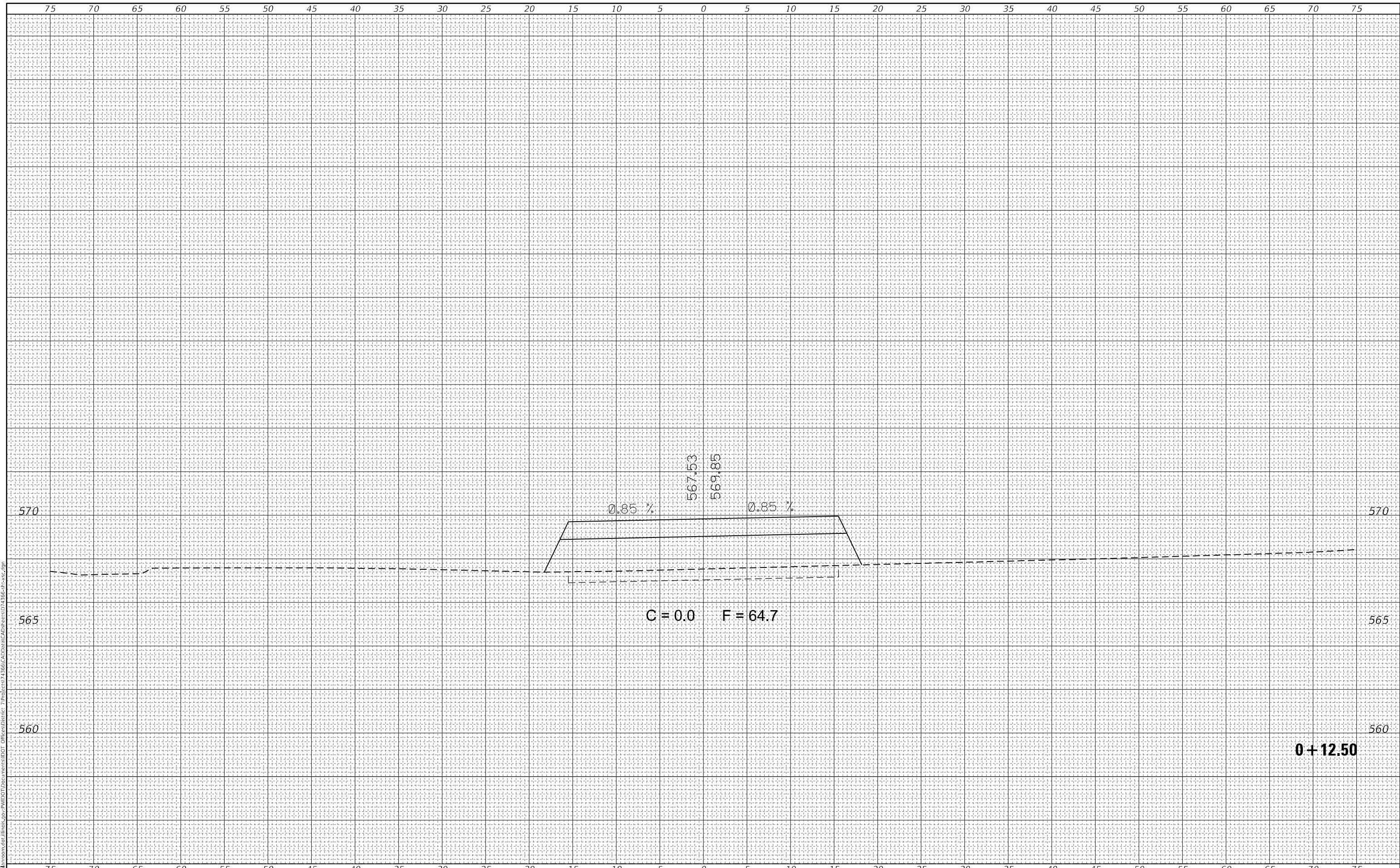
1043 + 50.00 580

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: P:\Projects\103BR-1B-1\103BR-1B-1\CAD\Drawings\103BR-1B-1\CrossSection\103BR-1B-1-CrossSection.dwg



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ENTRANCE**

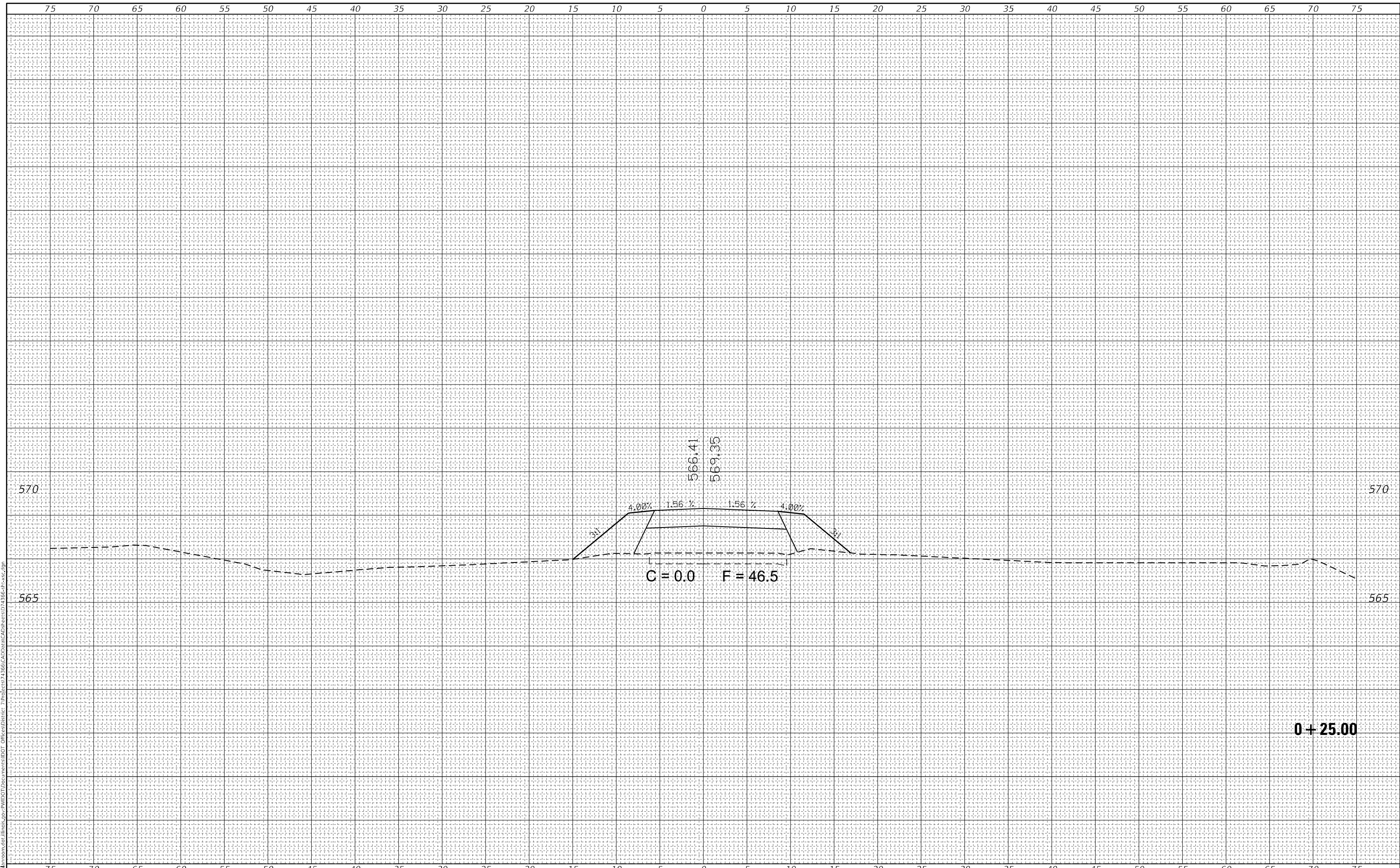
SCALE: SHEET 1 OF 5 SHEETS STA. +12.50 TO STA. +12.50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	64
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	FLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: 103BR-1B-1
 PLOT DATE: 12/11/2020



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ENTRANCE**

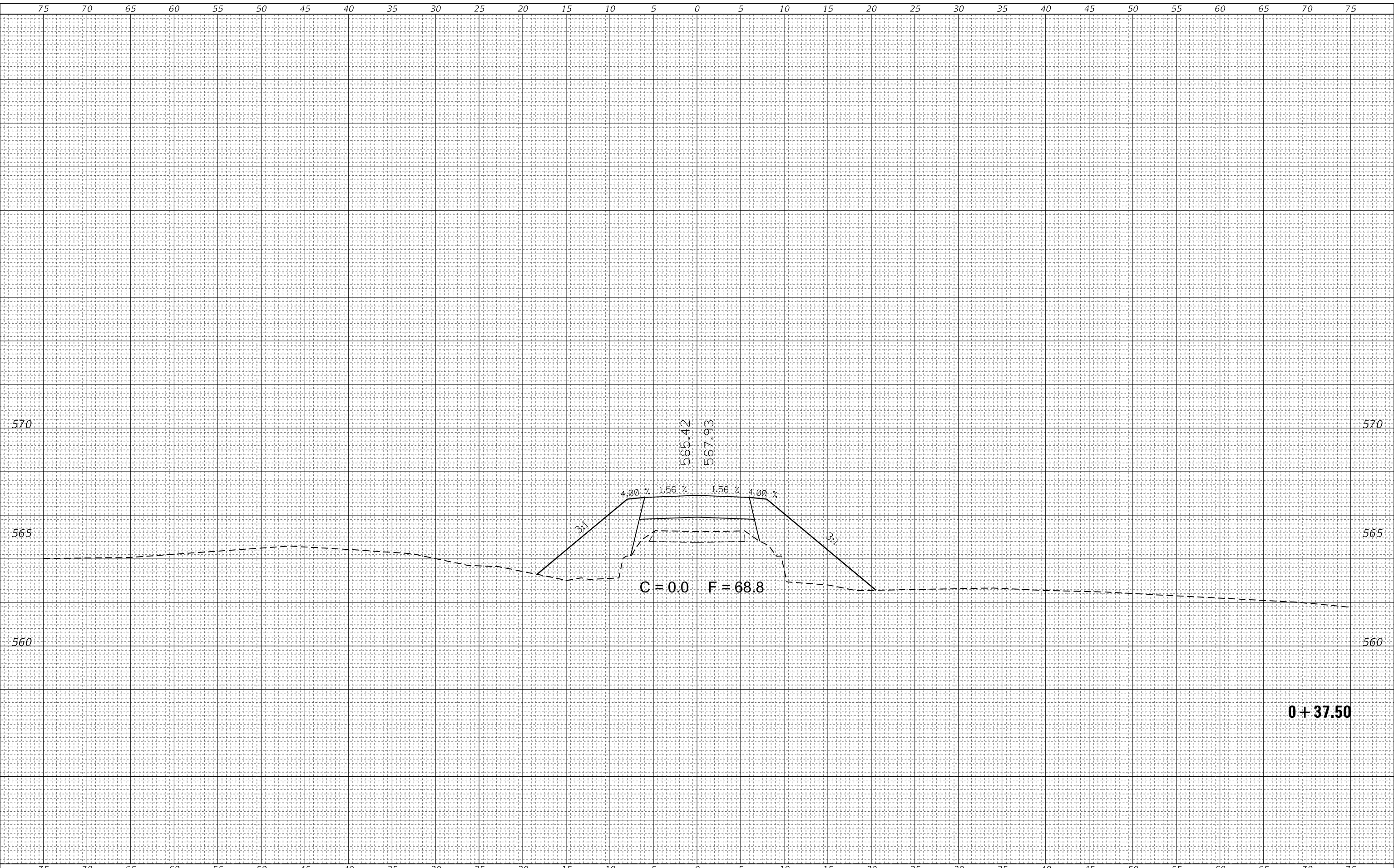
SCALE: SHEET 2 OF 5 SHEETS STA. +25.00 TO STA. +25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1B-1	EFFINGHAM	68	65
			CONTRACT NO. 74366	
			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	FLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: stefenmk



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ENTRANCE**

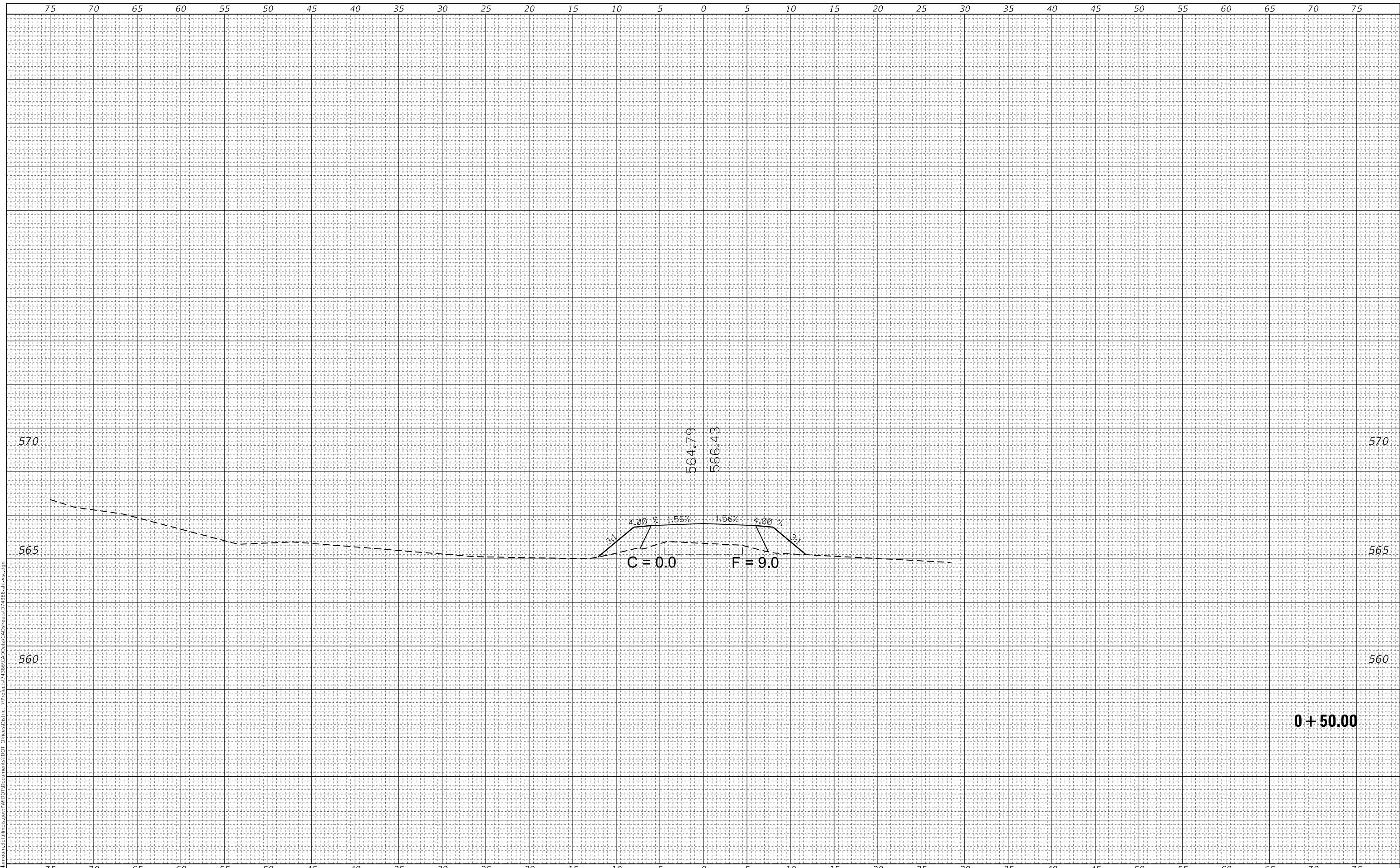
SCALE: SHEET 3 OF 5 SHEETS STA. +37.50 TO STA. +37.50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	66
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 PROJECT: I:\projects\103BR-1\103BR-1.dwg
 USER: stef@nmk



USER NAME = stef@nmk	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISD -
PLOT DATE = 12/11/2020	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ENTRANCE**

SCALE: SHEET 4 OF 5 SHEETS STA. +50.00 TO STA. +50.00

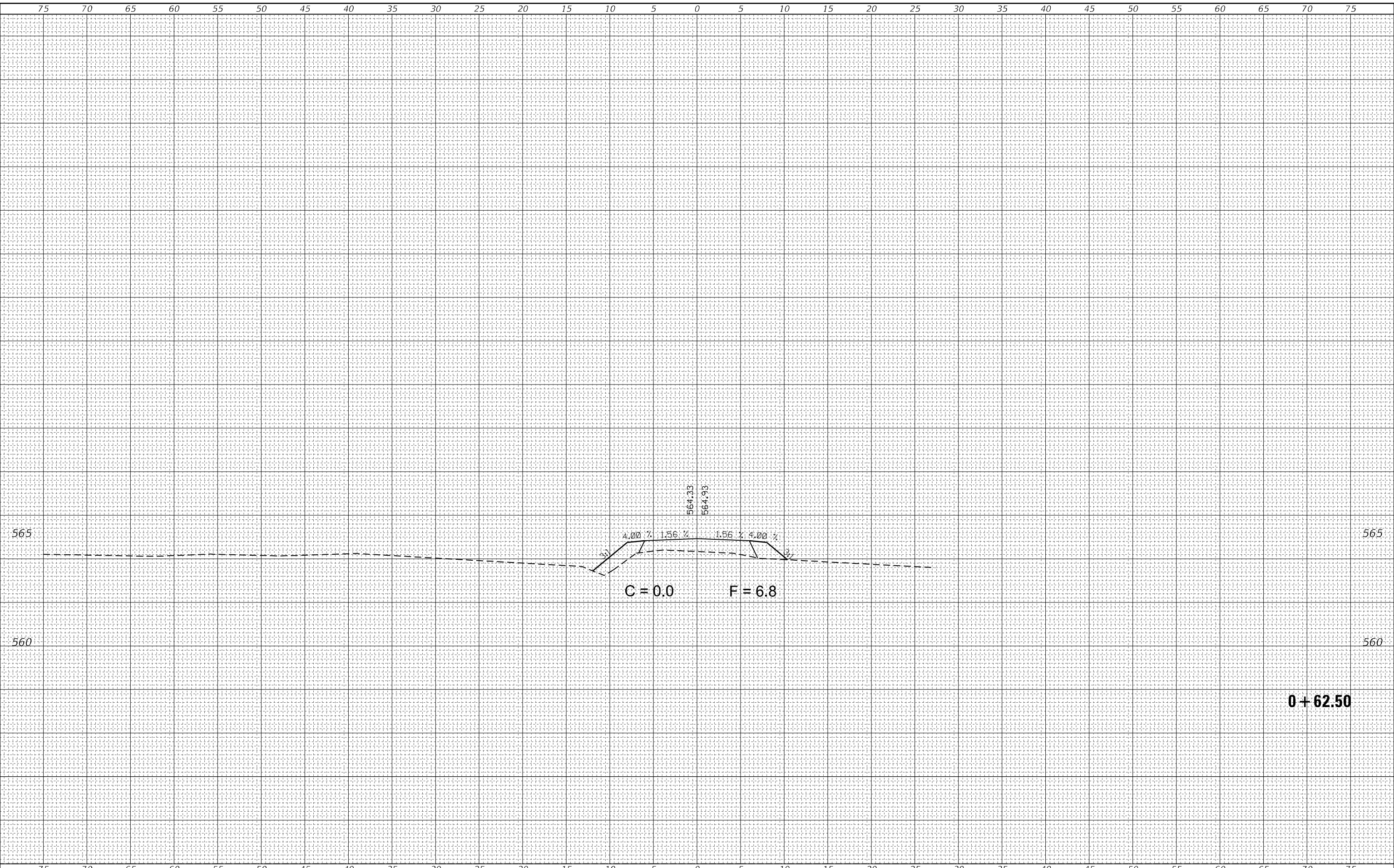
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	67
CONTRACT NO. 74366				
ILLINOIS FED. AID PROJECT				

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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

MODEL: Default
 FILE NAME: D:\data\mason.dwg
 USER: stfennmk
 PLOT DATE: 12/11/2020



USER NAME = stfennmk	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISIED -
PLOT DATE = 12/11/2020	DATE -	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ENTRANCE**

SCALE: SHEET 5 OF 5 SHEETS STA. +62.50 TO STA. +62.50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2801	(103BR-1)B-1	EFFINGHAM	68	68
CONTRACT NO. 74366				

ILLINOIS FED. AID PROJECT