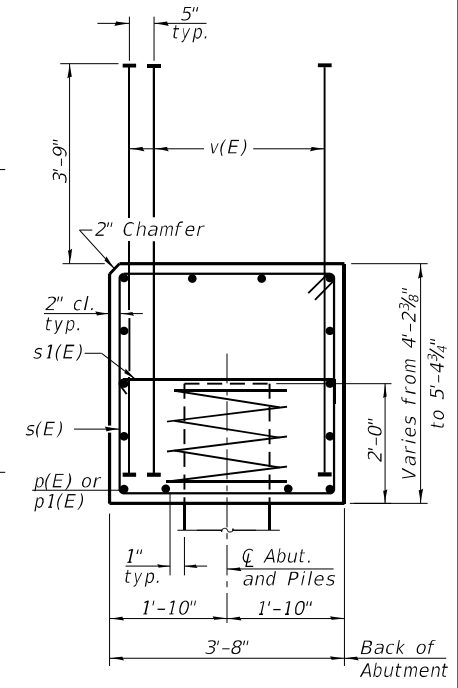
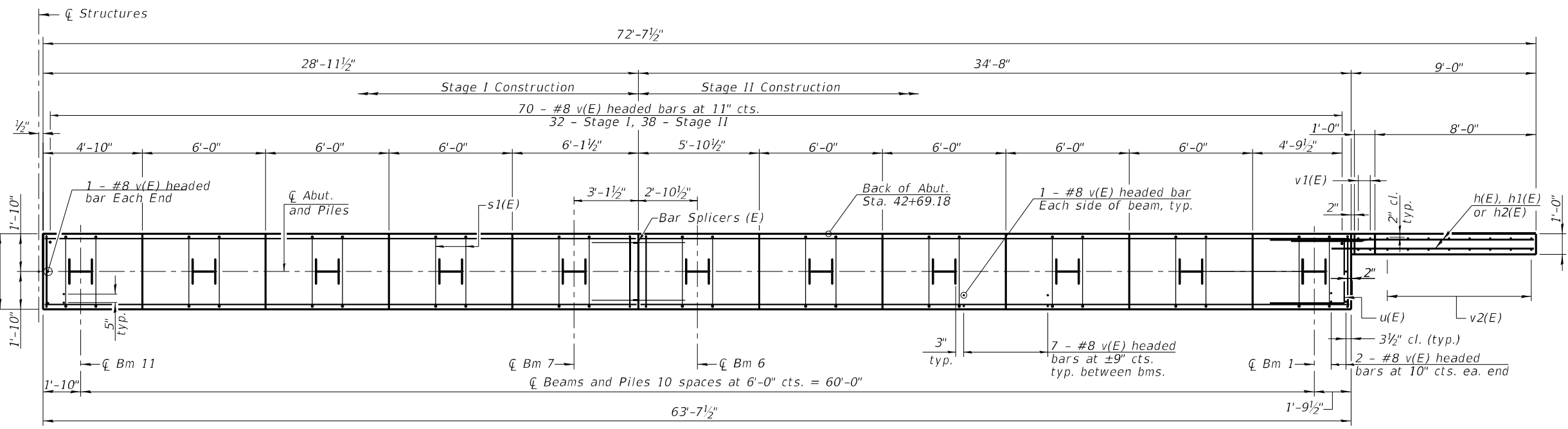


ELEVATION
(Looking North)



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



PLAN



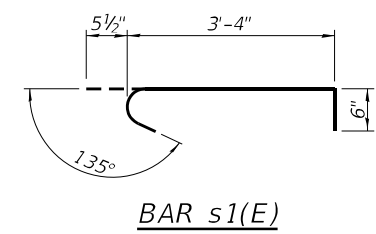
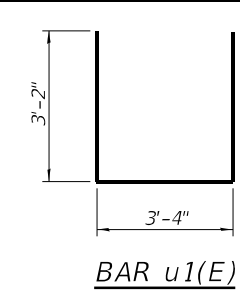
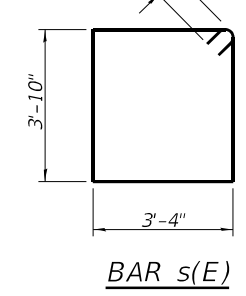
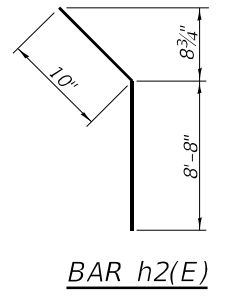
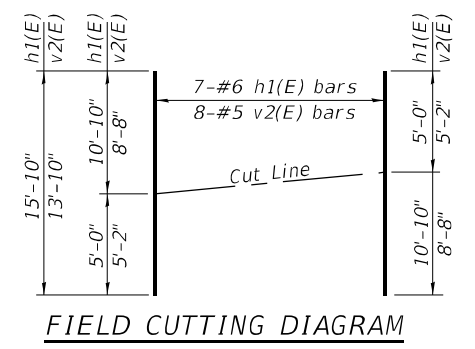
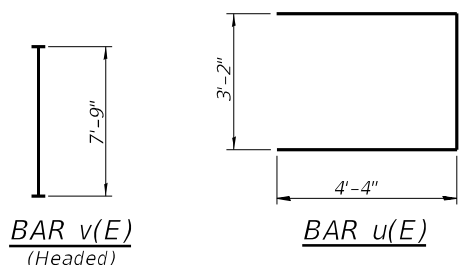
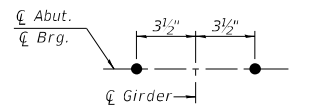
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	22	#6	11'-7"	—
h1(E)	7	#6	15'-10"	—
h2(E)	2	#6	9'-6"	—
p(E)	18	#8	28'-7"	—
p1(E)	14	#8	34'-4"	—
p3(E)	4	#8	11'-9"	—
p4(E)	4	#8	16'-7"	—
s(E)	55	#6	15'-8"	□
s1(E)	22	#5	4'-4"	□
sp(E)	11	#4	*2'-0"	WWW
u(E)	8	#6	11'-10"	□
u1(E)	40	#5	9'-8"	□
v(E)	168	#8	7'-9"	—
v1(E)	4	#5	9'-0"	—
v2(E)	8	#5	13'-10"	—
Structure Excavation		Cu. Yd.	50	
Concrete Structures		Cu. Yd.	43.7	
Reinforcement Bars, Epoxy Coated		Pound	9,620	
Furnishing Steel Piles, HP14x117		Foot	506	
Driving Piles		Foot	506	

PILE DATA

Type: HP 14x117
 Nominal Required Bearing: 353 kips
 Factored Resistance Available: 192 kips
 Est. Length: 46 ft
 No. Production Piles: 11
 No. Test Piles: 0

ANCHOR BOLT LAYOUT



Notes:
 For details of piles see Sheet 46 of 51.
 Pour steps monolithically with cap.
 Headed bars shall conform to ASTM A970 with threaded attachments Class HA and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 For bar splicer details, see Sheet 45 of 51.
 * Length is height of spiral.

MODEL: 78656 - 201
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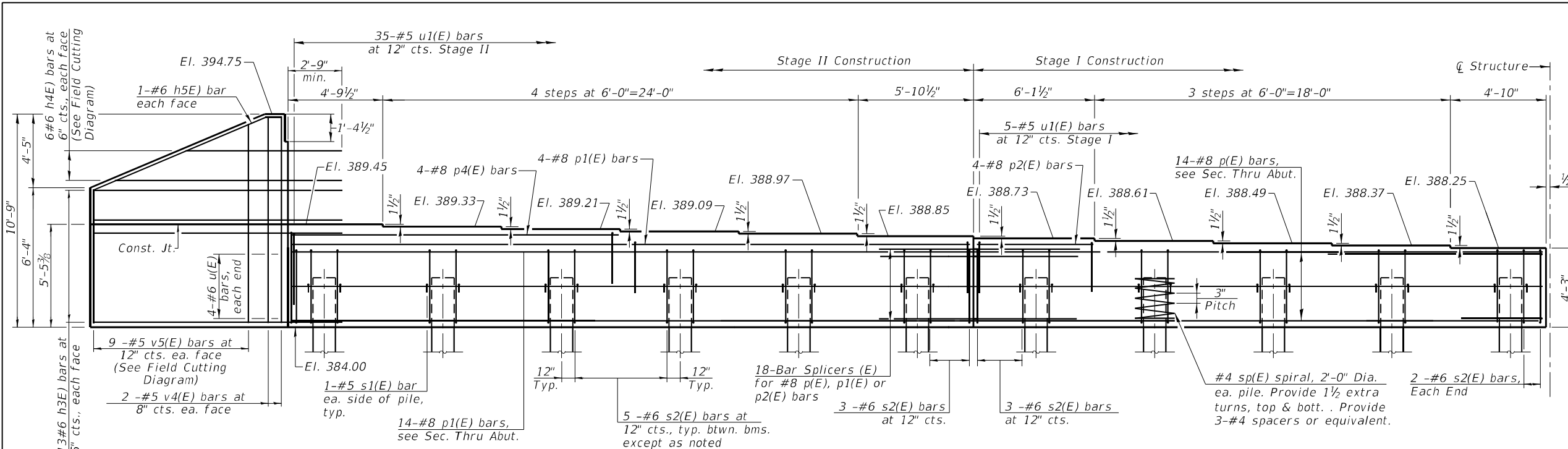
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PLOT SCALE =	CHECKED - TRC	REVISIONS
PLOT DATE = JUNE 17, 2021	DRAWN - JRP	REVISIONS
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

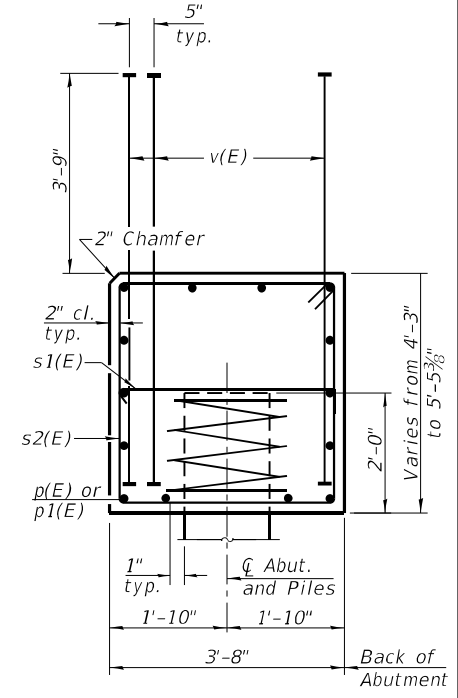
NORTH ABUTMENT N.B.
STRUCTURE NO. 028-0087

SHEET NO. 37 OF 51 SHEETS

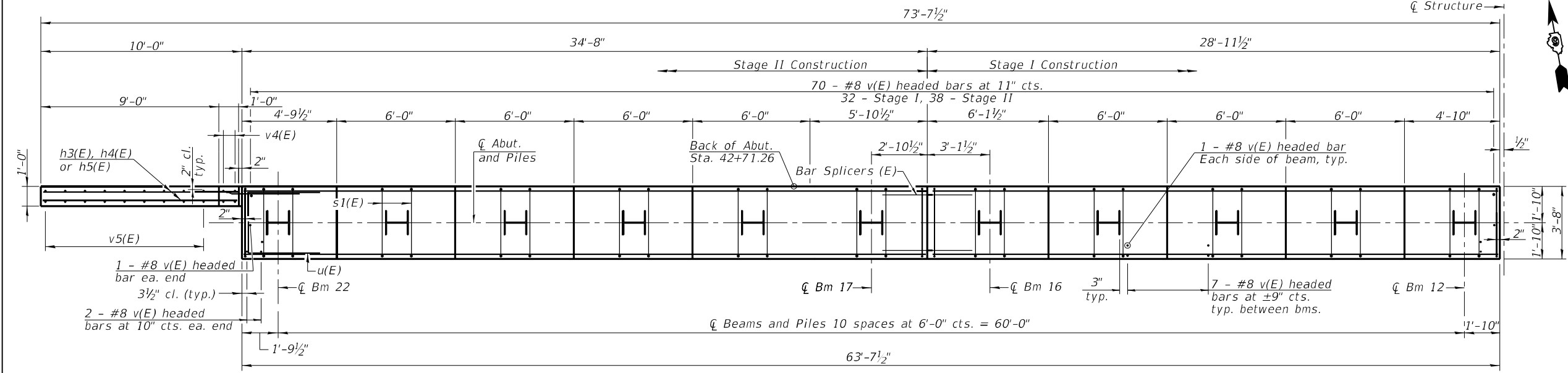
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	201
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Looking North)



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

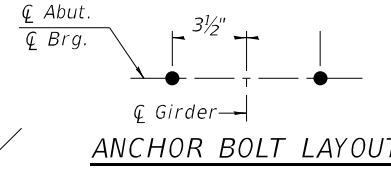


PLAN



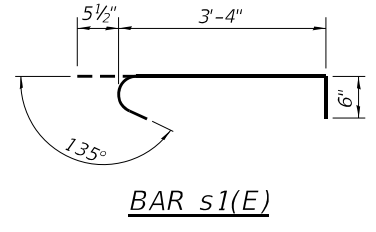
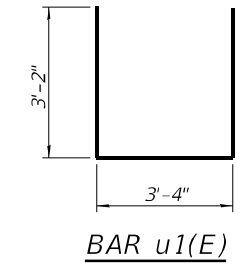
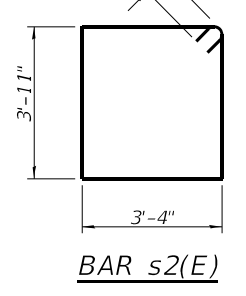
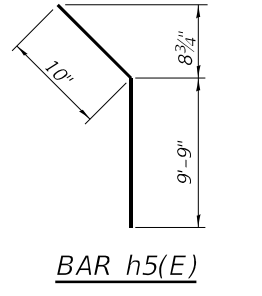
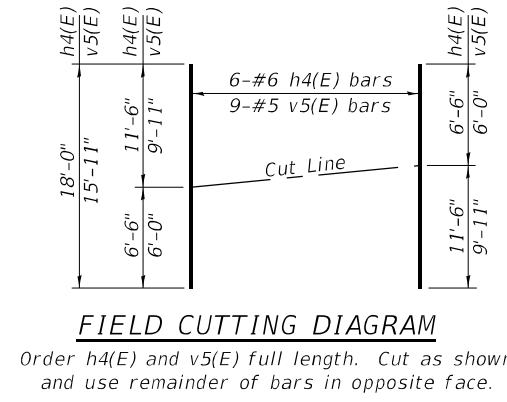
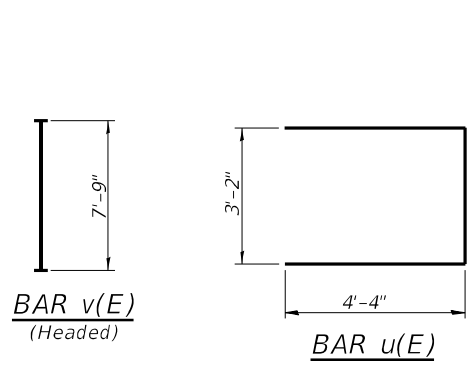
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	26	#6	12'-7"	—
h4(E)	6	#6	18'-0"	—
h5(E)	2	#6	10'-7"	—
p(E)	14	#8	28'-7"	—
p1(E)	18	#8	34'-4"	—
p2(E)	4	#8	5'-9"	—
p4(E)	4	#8	16'-7"	—
s1(E)	22	#5	4'-4"	⌋
s2(E)	55	#6	15'-10"	⌋
sp(E)	11	#4	*2'-0"	⌋
u(E)	8	#6	11'-10"	—
u1(E)	40	#5	9'-8"	—
v(E)	168	#8	7'-9"	—
v4(E)	4	#5	10'-5"	—
v5(E)	9	#5	15'-11"	—
Structure Excavation		Cu. Yd.	50	
Concrete Structures		Cu. Yd.	44.8	
Reinforcement Bars, Epoxy Coated		Pound	9,780	
Furnishing Steel Piles, HP14x117		Foot	460	
Driving Piles		Foot	460	
Test Pile Steel HP14x117		Each	1	



ANCHOR BOLT LAYOUT

PILE DATA
Type: HP 14x117
Nominal Required Bearing: 353 kips
Factored Resistance Available: 192 kips
Est. Length: 46 ft
No. Production Piles: 10
No. Test Piles: 1



Notes:
For details of piles see Sheet 46 of 51. Pour steps monolithically with cap. Headed bars shall conform to ASTM A970 with threaded attachments, Class HA, and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated. For bar splicer details, see Sheet 45 of 51. * Length is height of spiral.

MODEL: 78656 - 202
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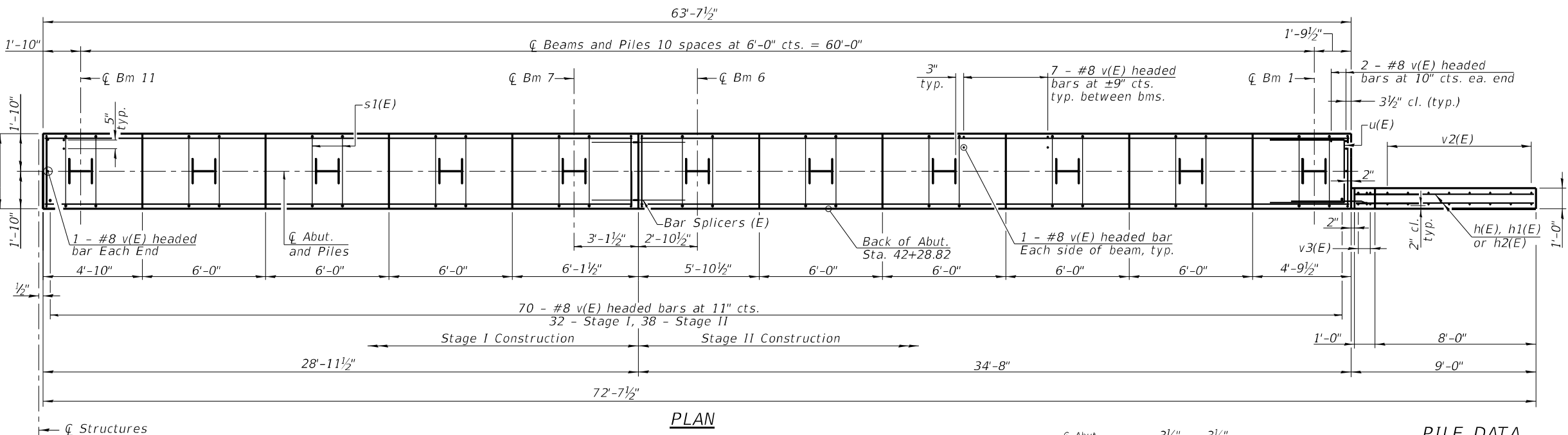
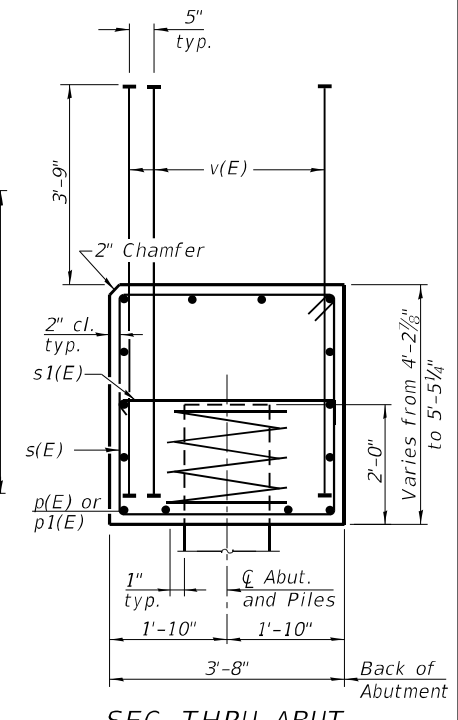
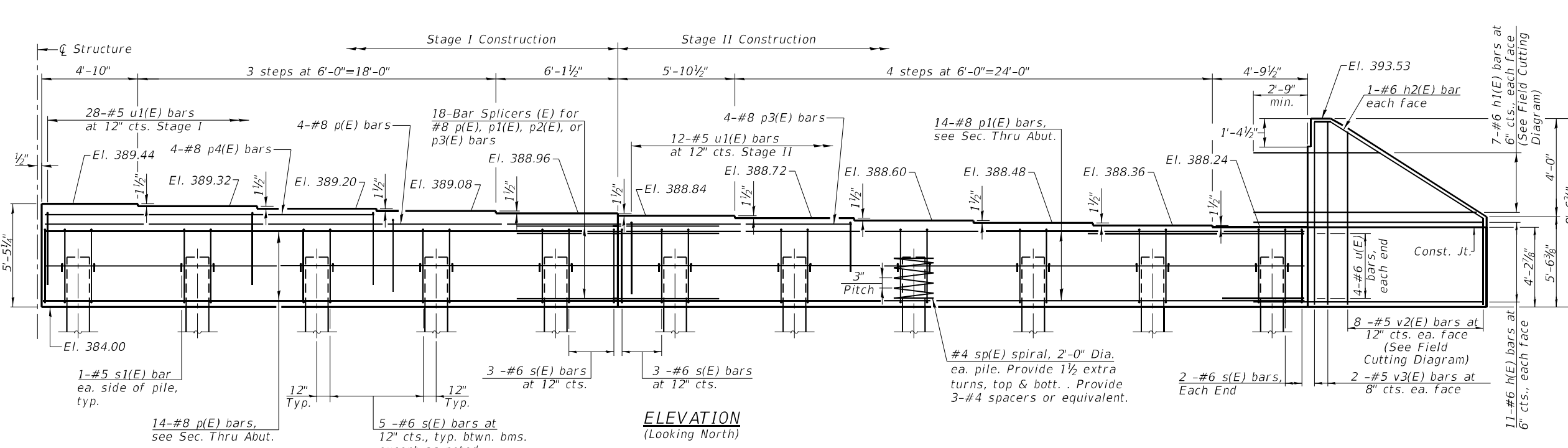
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PLOT DATE = JUNE 17, 2021	DRAWN - JRP	REVISIONS -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT S.B.
STRUCTURE NO. 028-0088

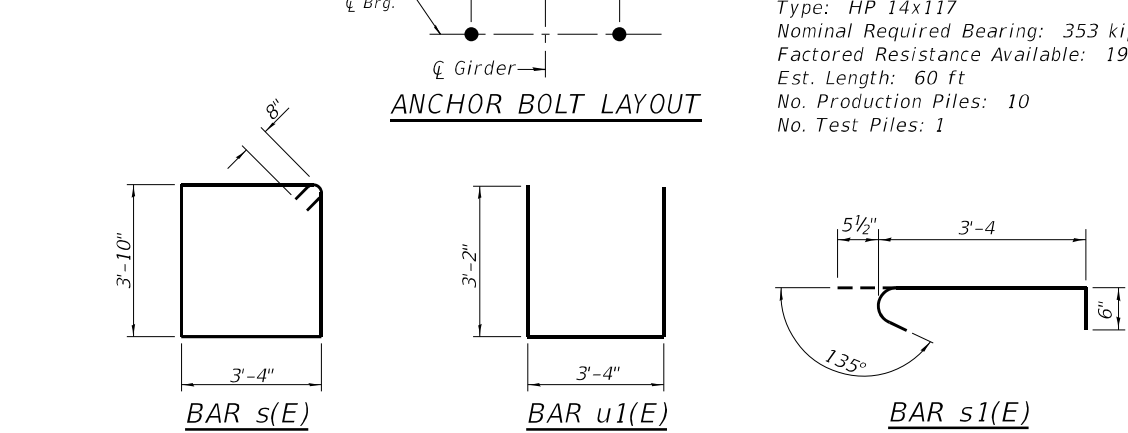
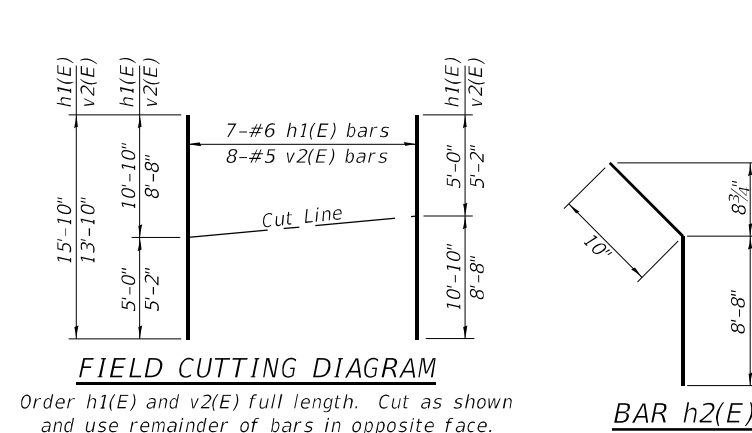
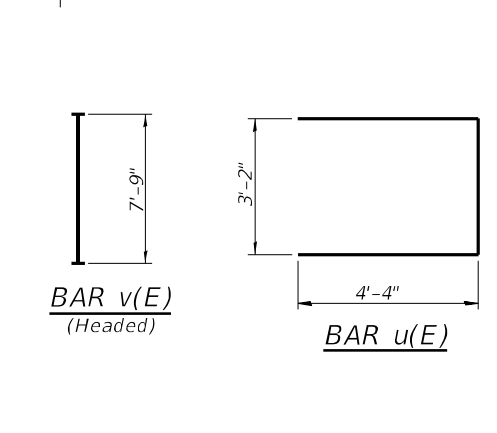
SHEET NO. 38 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	202
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	22	#6	11'-7"	—
h1(E)	7	#6	15'-10"	—
h2(E)	2	#6	9'-6"	—
p(E)	18	#8	28'-7"	—
p1(E)	14	#8	34'-4"	—
p3(E)	4	#8	11'-9"	—
p4(E)	4	#8	16'-7"	—
s(E)	55	#6	15'-8"	□
s1(E)	22	#5	4'-4"	—
sp(E)	11	#4	*2'-0"	≡≡≡
u(E)	8	#6	11'-10"	—
u1(E)	40	#5	9'-8"	—
v(E)	168	#8	7'-9"	—
v2(E)	8	#5	13'-10"	—
v3(E)	4	#5	9'-2"	—
Structure Excavation		Cu. Yd.	50	
Concrete Structures		Cu. Yd.	44.0	
Reinforcement Bars, Epoxy Coated		Pound	9,620	
Furnishing Steel Piles, HP14x117		Foot	600	
Driving Piles		Foot	600	
Test Pile Steel HP14x117		Each	1	



Notes:

For details of piles see Sheet 46 of 51. Pour steps monolithically with cap. Headed bars shall conform to ASTM A970 with threaded attachments, Class HA, and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated. For bar splicer details, see Sheet 45 of 51. * Length is height of spiral.

MODEL: 78656 - 203
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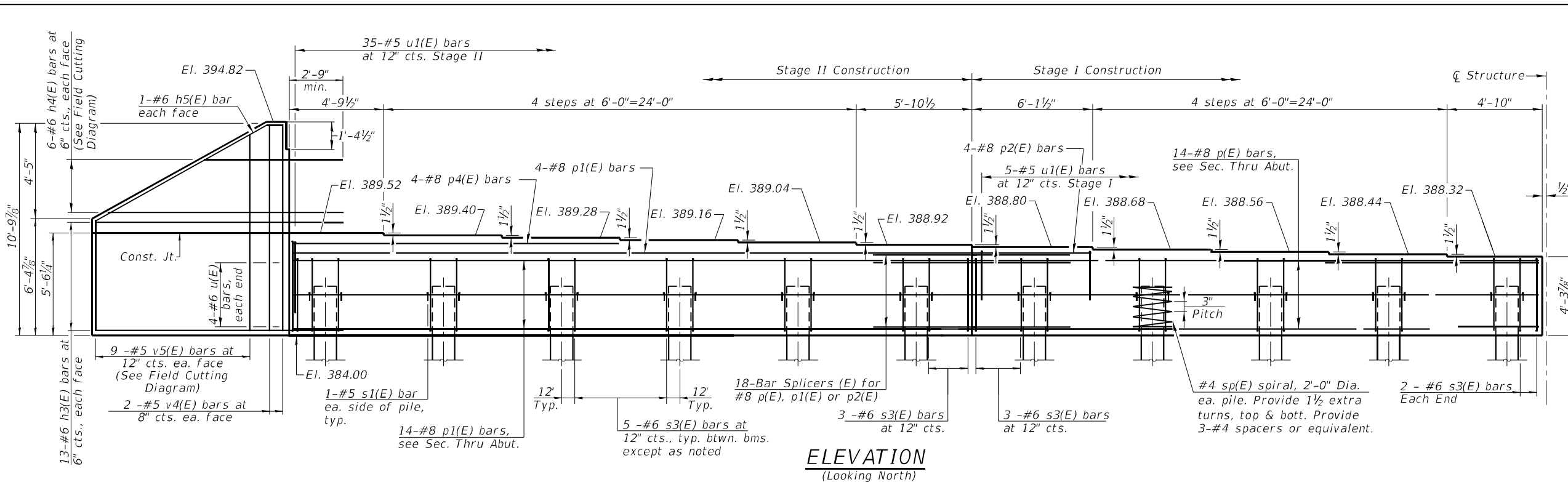
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

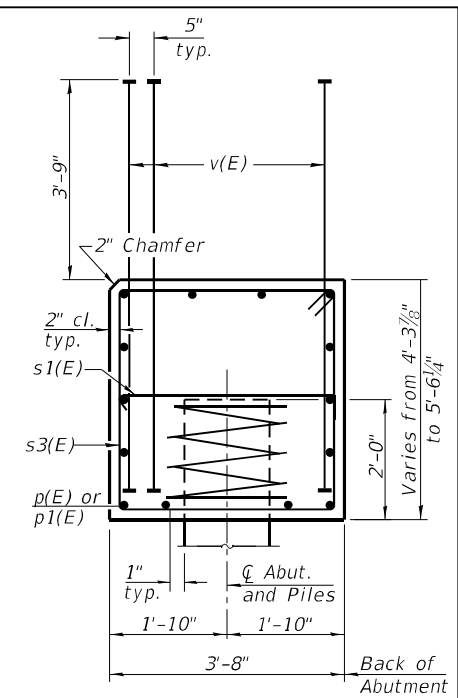
SOUTH ABUTMENT N.B.
STRUCTURE NO. 028-0087

SHEET NO. 39 OF 51 SHEETS

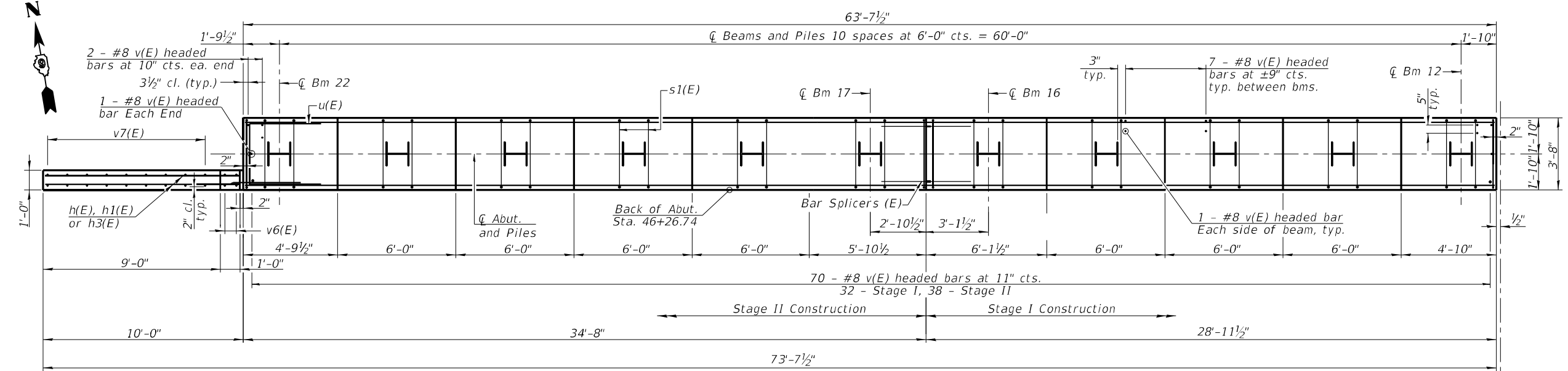
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	203
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Looking North)



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



PLAN

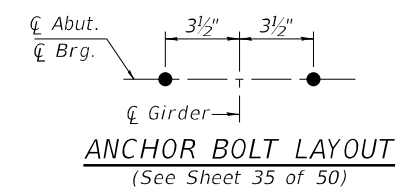
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	26	#6	12'-7"	▬
h4(E)	6	#6	18'-0"	▬
h5(E)	2	#6	10'-7"	▬
p(E)	14	#8	28'-7"	▬
p1(E)	18	#8	34'-4"	▬
p2(E)	4	#8	5'-9"	▬
p4(E)	4	#8	16'-7"	▬
s3(E)	55	#6	16'-0"	⊞
s1(E)	22	#5	4'-4"	⊞
sp(E)	11	#4	*2'-0"	▬▬▬
u(E)	8	#6	11'-10"	⊞
u1(E)	40	#5	9'-8"	⊞
v(E)	168	#8	7'-9"	▬
v4(E)	4	#5	10'-5"	▬
v5(E)	9	#5	15'-11"	▬
Structure Excavation		Cu. Yd.	50	
Concrete Structures		Cu. Yd.	45.4	
Reinforcement Bars, Epoxy Coated		Pound	9,790	
Furnishing Steel Piles, HP14x117		Foot	660	
Driving Piles		Foot	660	

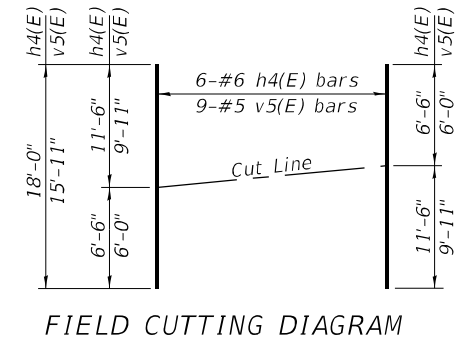
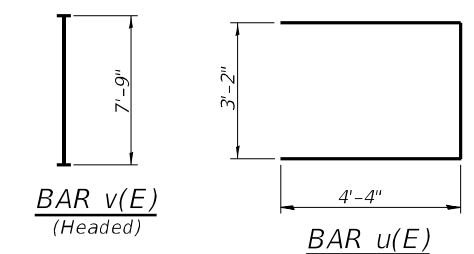
PILE DATA

Type: HP 14x117
Nominal Required Bearing: 353 kips
Factored Resistance Available: 192 kips
Est. Length: 60 ft
No. Production Piles: 11
No. Test Piles: 0

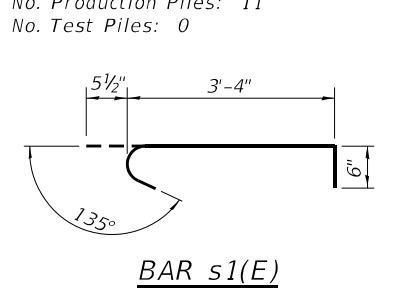
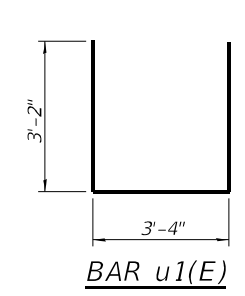
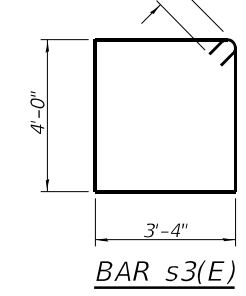
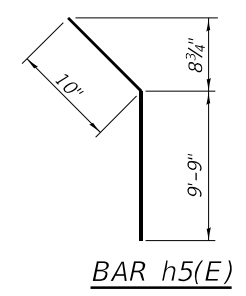
Notes:
For details of piles see Sheet 46 of 51.
Pour steps monolithically with cap.
Headed bars shall conform to ASTM A970 with threaded attachments, Class HA, and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
For bar splicer details, see Sheet 45 of 51.
* Length is height of spiral.



ANCHOR BOLT LAYOUT
(See Sheet 35 of 50)



Order h4(E) and v5(E) full length. Cut as shown and use remainder of bars in opposite face.



MODEL: 78656 - 204
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CHECKED - TRC
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DRAWN - JRP
PLOT DATE = JUNE 17, 2021
CHECKED -
REVISED -

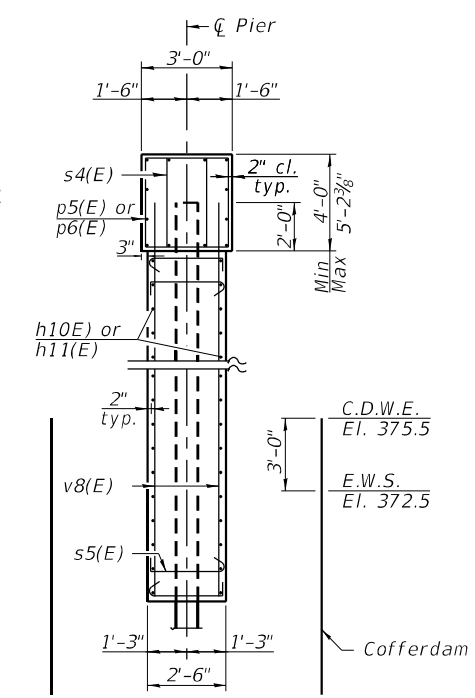
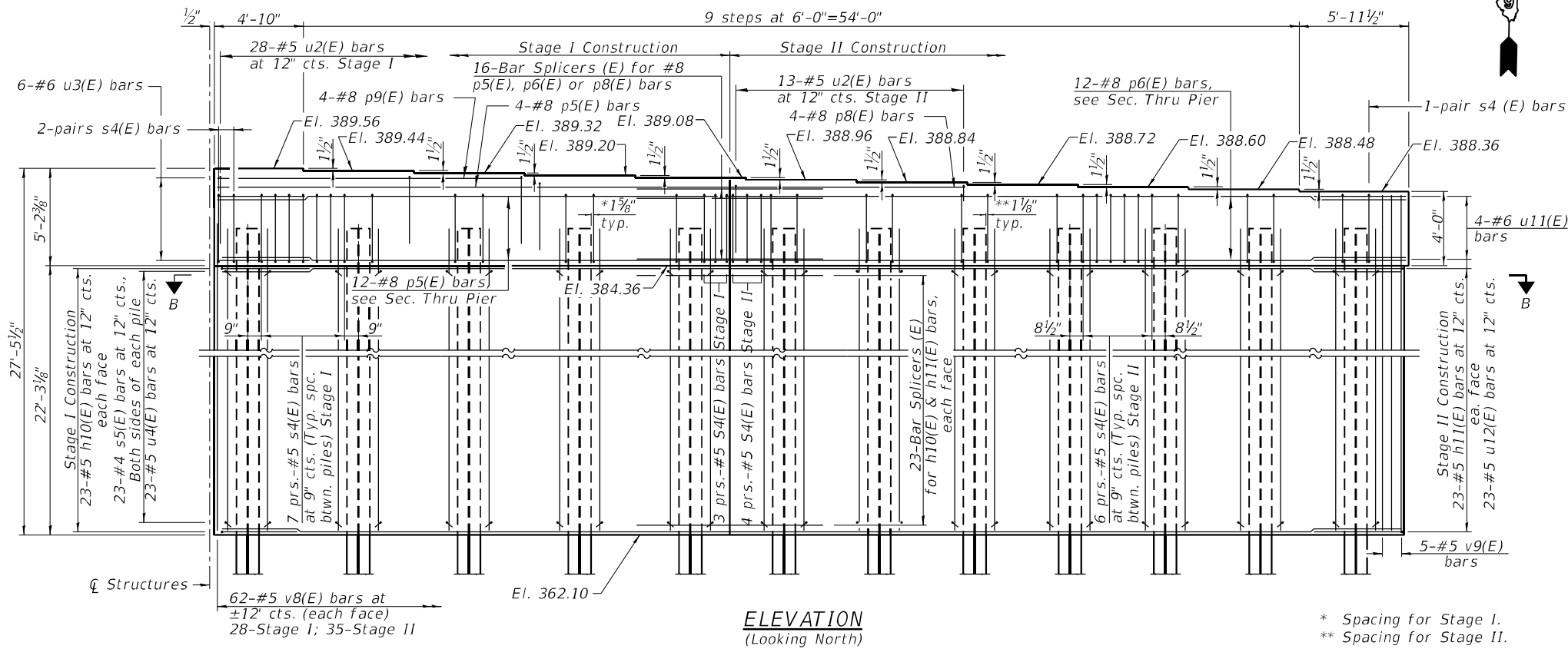
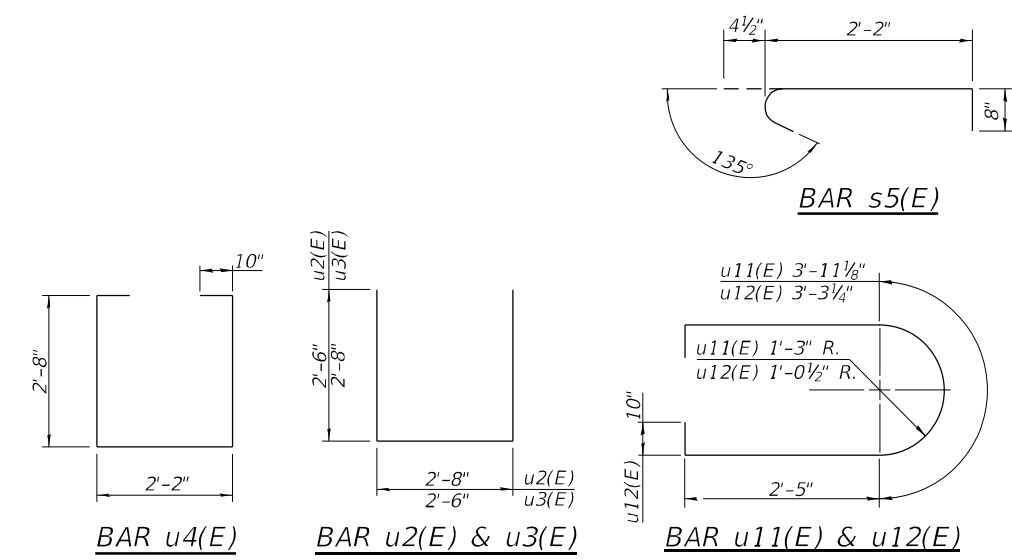
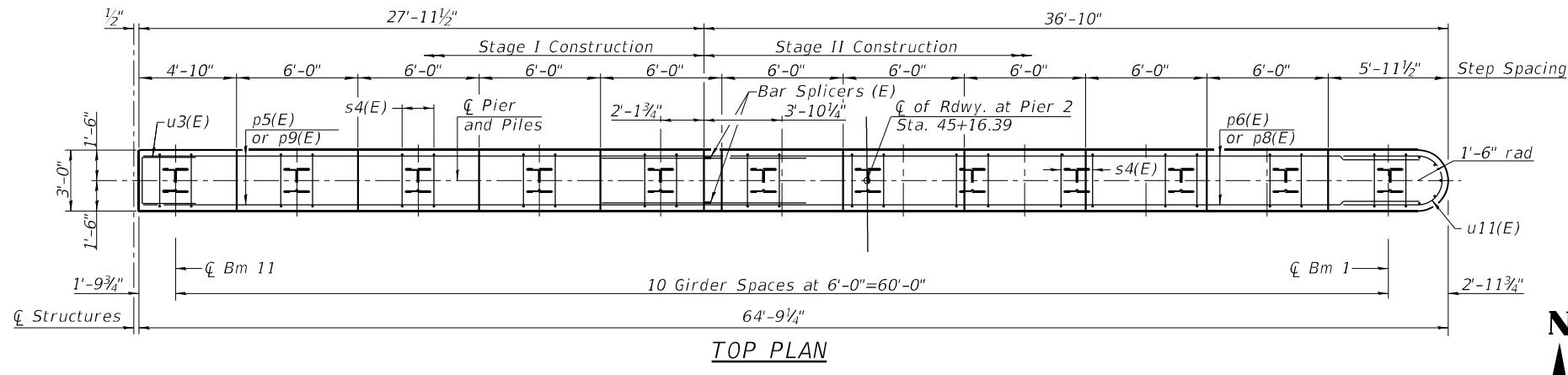
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DRAWN - JRP
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CHECKED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT S.B.
STRUCTURE NO. 028-0088

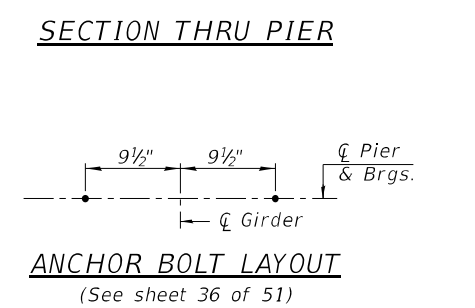
SHEET NO. 40 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	204
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	46	#5	27'-7"	—
h11(E)	46	#5	35'-3"	—
p5(E)	16	#8	27'-7"	—
p6(E)	12	#8	35'-3"	—
p8(E)	4	#8	12'-9"	—
p9(E)	4	#8	16'-6"	—
s4(E)	148	#5	12'-5"	□
s5(E)	552	#4	3'-3"	┌
u2(E)	41	#5	7'-8"	—
u3(E)	6	#6	7'-10"	—
u4(E)	23	#5	9'-2"	—
u11(E)	4	#6	8'-10"	—
u12(E)	23	#5	9'-10"	—
v8(E)	126	#5	24'-1"	—
v9(E)	5	#5	26'-0"	—
Cofferdam				
Excavation		Cu. Yd.	231.8	
Concrete Structures		Cu. Yd.	165.1	
Reinforcement Bars, Epoxy Coated		Pound	12,960	
Furnishing Steel Piles, HP14x117		Foot	804	
Driving Piles		Foot	804	



PILE DATA

Type: Steel HP 14x117

Nominal Required Bearing: 683 kips

Factored Resistance Available: 367 kips

Est. Length: 67 ft.

No. Production Piles: 12

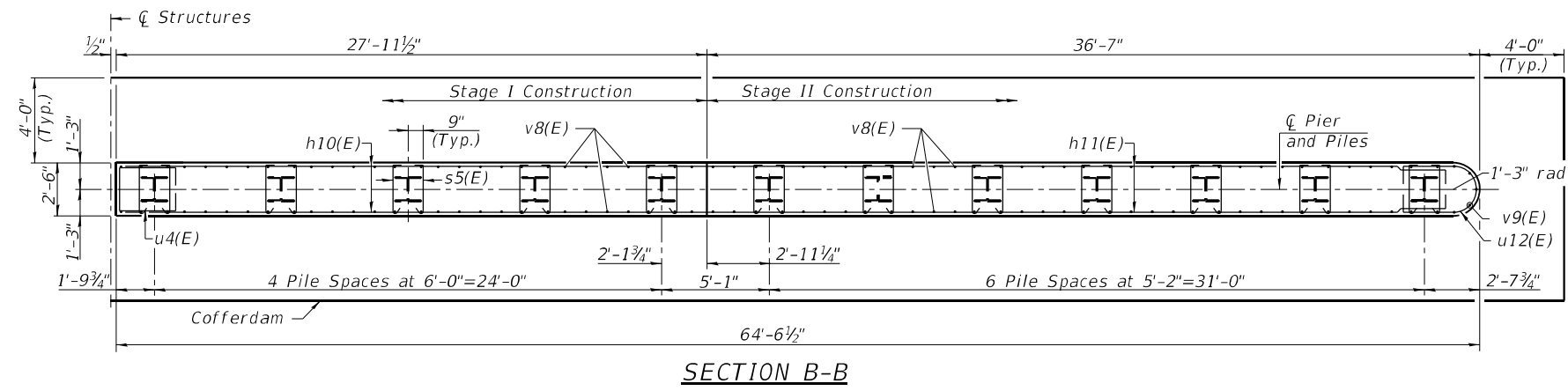
No. Test Piles: 0

Notes:

Pour steps monolithically with cap.

For details of piles, see sheet 46 of 51.

For bar splicer details, see sheet 45 of 51.



MODEL: 78656 - 207
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PLOT DATE = JUNE 17, 2021	DRAWN - JRP	REVISED -
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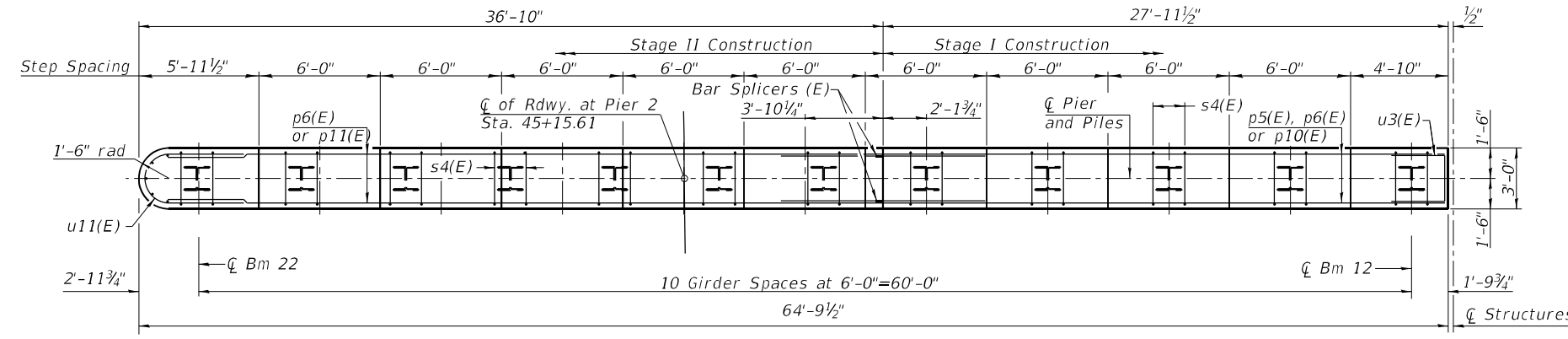
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 2 (N.B.)
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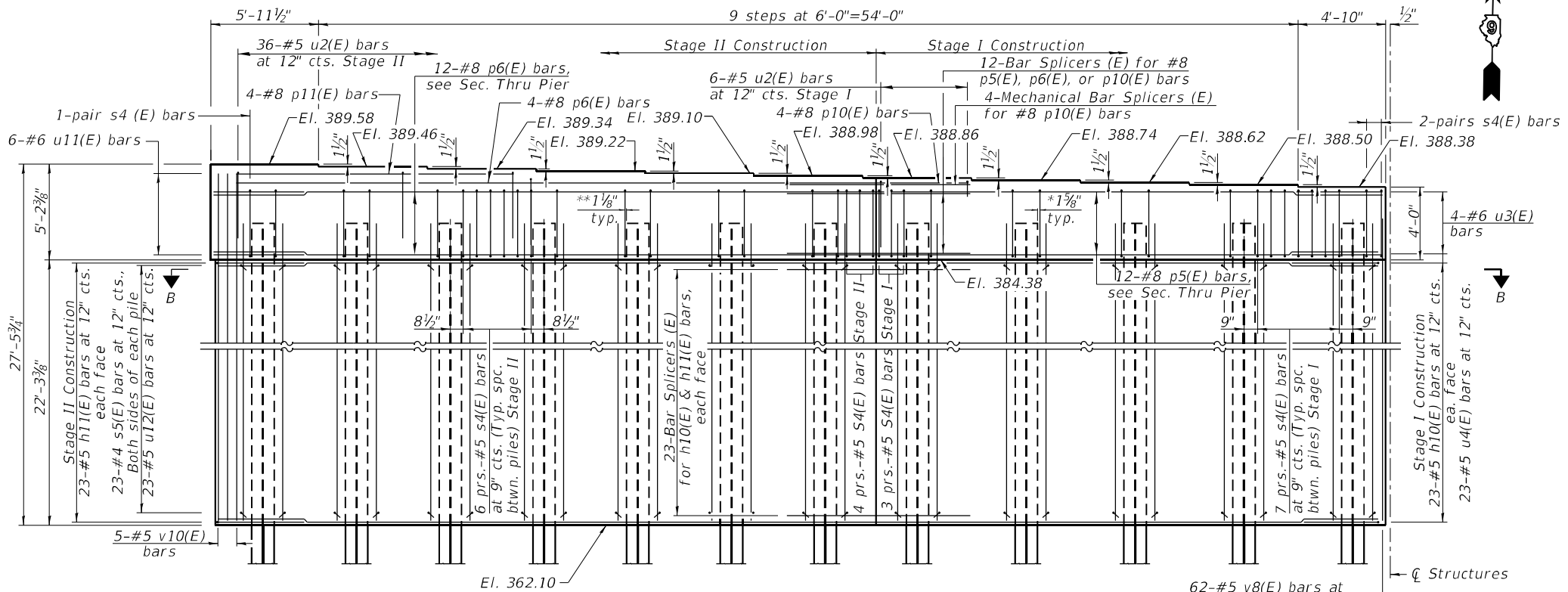
SHEET NO. 43 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	207
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

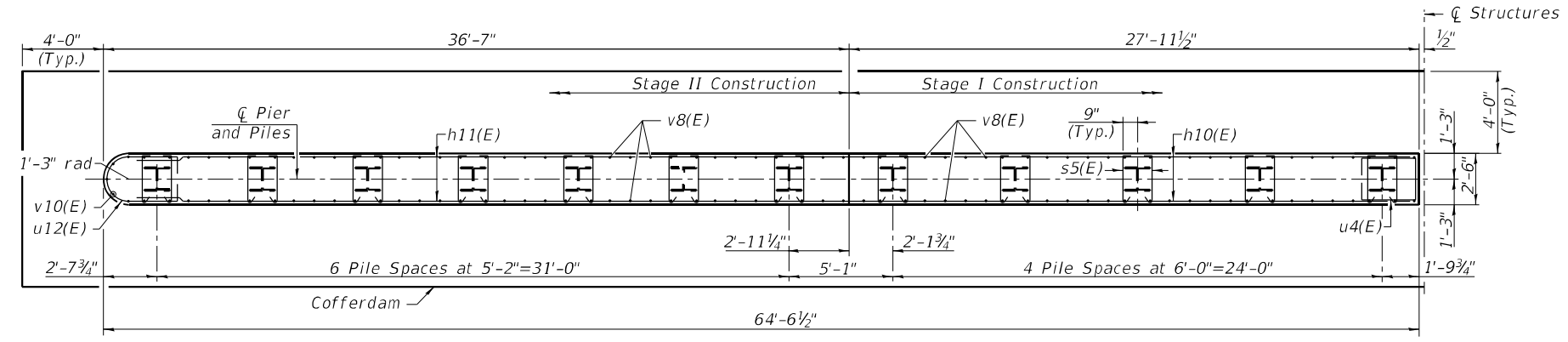
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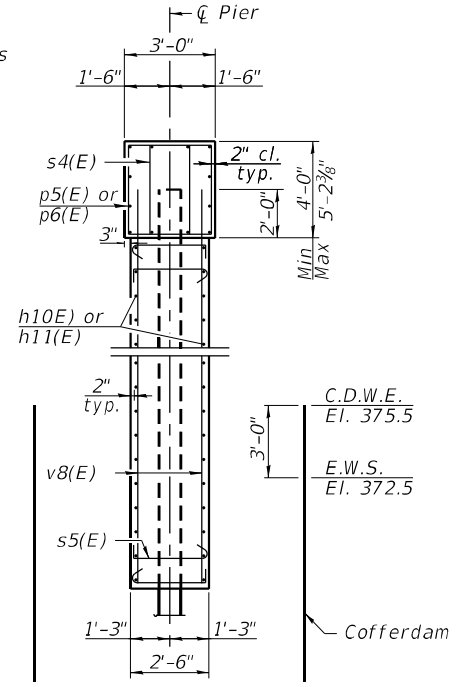
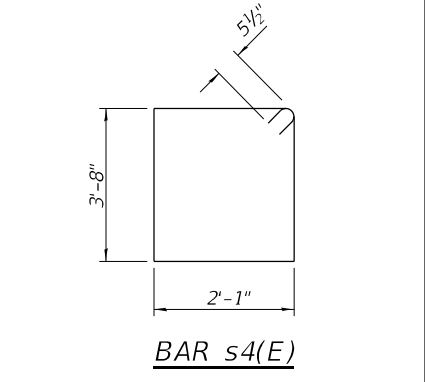
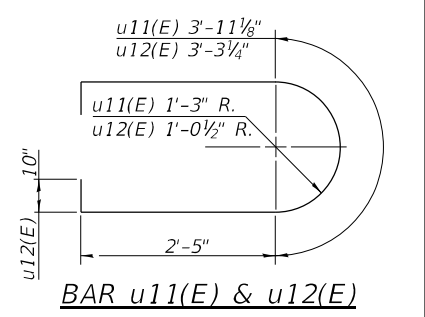
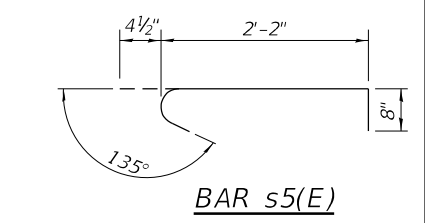
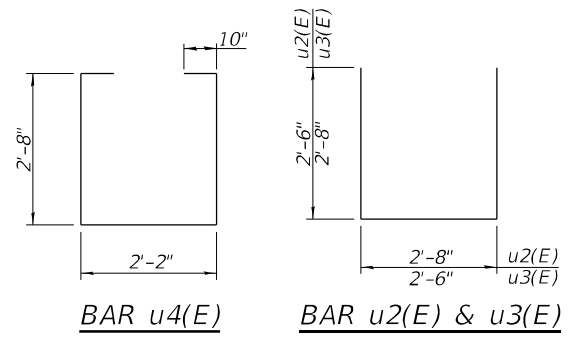
TOP PLAN



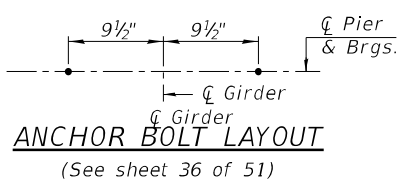
ELEVATION
(Looking North)



SECTION B-B



SECTION THRU PIER



ANCHOR BOLT LAYOUT

PILE DATA
 Type: Steel HP 14x117
 Nominal Required Bearing: 683 kips
 Factored Resistance Available: 367 kips
 Est. Length: 67 ft.
 No. Production Piles: 11
 No. Test Piles: 1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	46	#5	27'-7"	—
h11(E)	46	#5	35'-3"	—
p5(E)	12	#8	27'-7"	—
p6(E)	16	#8	35'-3"	—
p10(E)	4	#8	5'-0"	—
p11(E)	4	#8	16'-3"	—
s4(E)	148	#5	12'-5"	⌊
s5(E)	552	#4	3'-3"	⌊
u2(E)	42	#5	7'-8"	⌊
u3(E)	4	#6	7'-10"	⌊
u4(E)	23	#5	9'-2"	⌊
u11(E)	6	#6	8'-10"	⌊
u12(E)	23	#5	9'-10"	⌊
v8(E)	126	#5	24'-1"	—
v10(E)	5	#5	27'-2"	—
Cofferdam		Cu. Yd.	231.8	
Excavation		Cu. Yd.	165.4	
Concrete Structures		Pound	12,980	
Reinforcement Bars, Epoxy Coated		Foot	737	
Furnishing Steel Piles, HP14x117		Foot	737	
Driving Piles		Each	1	

Notes:
 Pour steps monolithically with cap.
 For details of piles, see sheet 46 of 51.
 For bar splicer details, see sheet 45 of 51.



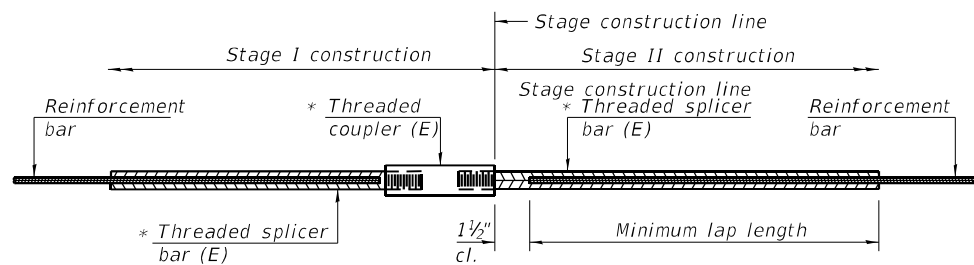
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PLOT DATE = JUNE 17, 2021	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 (S.B.)
STRUCTURE NO. 028-0088

SHEET NO. 44 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	208
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				



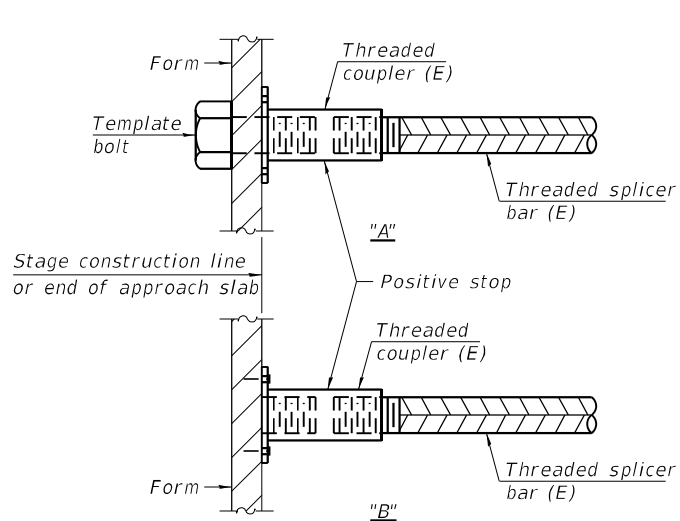
STANDARD BAR SPLICER ASSEMBLY

(All components shall be provided from one supplier)

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Approach Slab (Top)	#5	184	3'-6"
Deck	#5	2074	3'-6"
Approach Slab (Bottom)	#8	240	4'-9"
Approach Slab (Footing)	#5	160	3'-2"
Abutment Diaphragm	#6	36	4'-0"
Abutments	#8	72	5'-9"
Pier Cap	#8	56	5'-9"
Pier Web Wall	#5	184	3'-7"

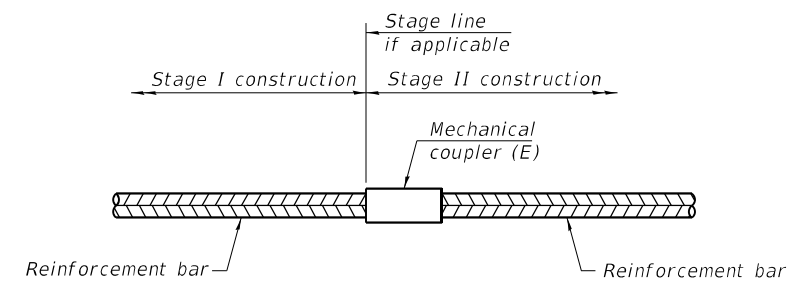


INSTALLATION AND SETTING METHODS

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

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

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Pier Cap	#8	8

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: 78656 - 209
FILE NAME: Z:\0 V and K Jobs\5244-007 I-57 over Middle Fork Big Muddy River\CADD Sheets\DS78631-structure.dgn

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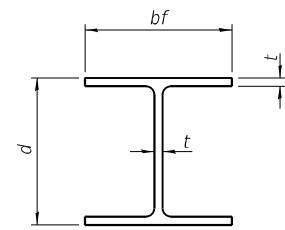
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 028-0087 (N.B.) & 028-0088 (S.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	209
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

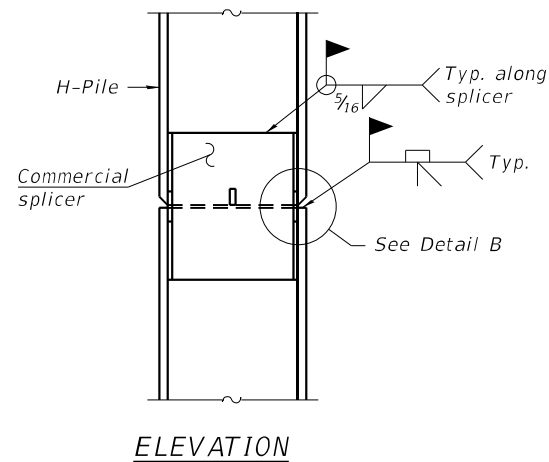
SHEET NO. 45 OF 51 SHEETS

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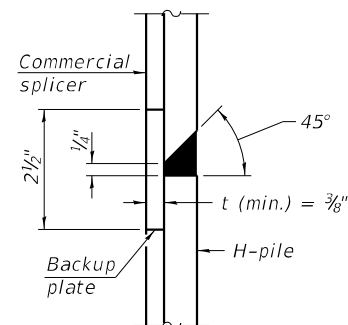


STEEL PILE TABLE

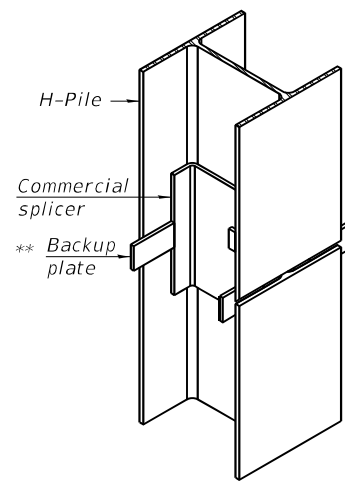
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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

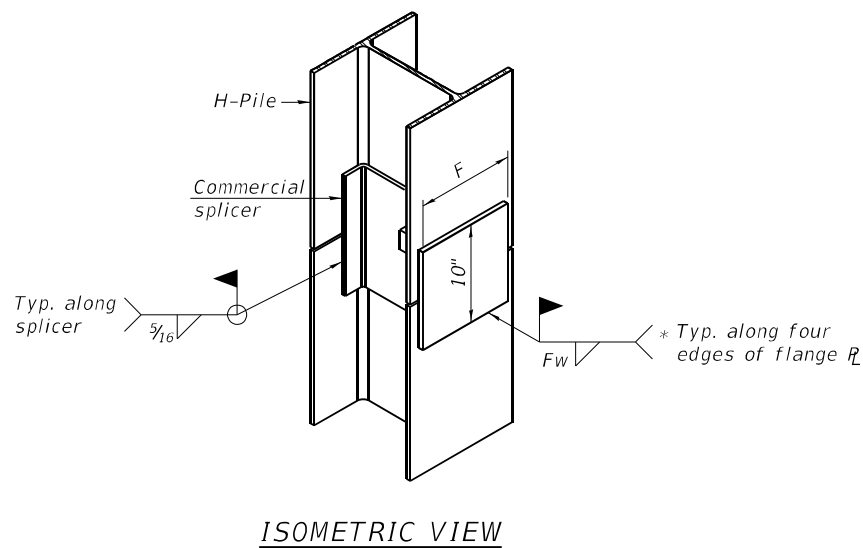


DETAIL "B"



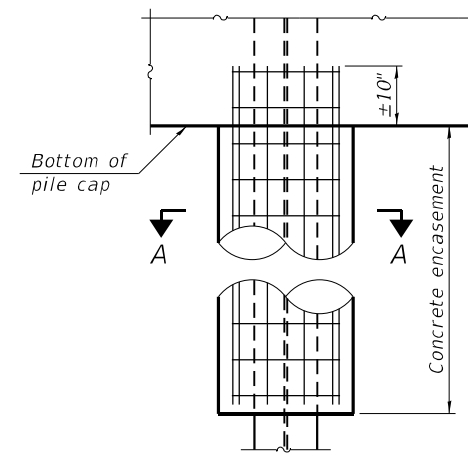
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

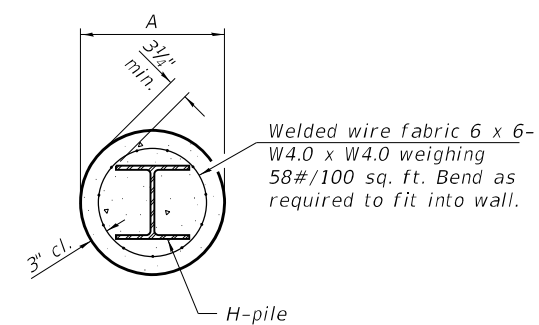


WELDED COMMERCIAL SPLICE ALTERNATE

- * 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.).



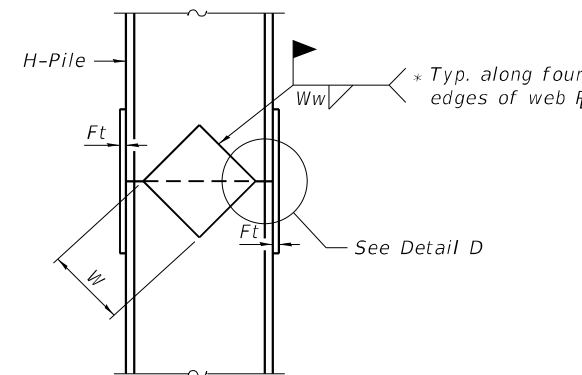
ELEVATION



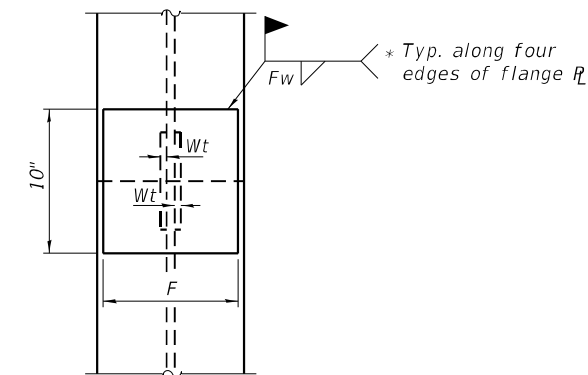
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT

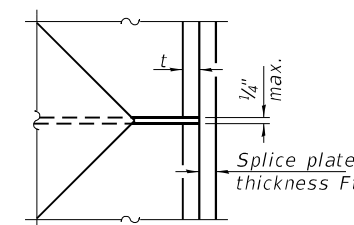
(When specified).



ELEVATION



END VIEW

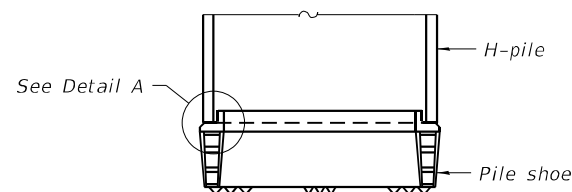


DETAIL D

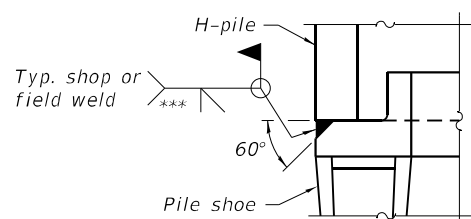
WELDED PLATE FIELD SPLICE

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"

ELEVATION



SHOE ATTACHMENT



DETAIL A

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

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DRAWN -	JRP
CHECKED -	
REVISD -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 028-0087 (N.B.) & 028-0088 (S.B.)

SHEET NO. 46 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	210
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

ILLINOIS DEPARTMENT OF TRANSPORTATION										Bridge Foundation Boring Log					
District Nine Materials										Sheet 1 of 2					
PAT 57 Over Middle Fork Big Muddy River										Location: 1.5 mi. North of IL 149 - MP 66.5					
Route: I-57 Structure Number: SN 028-0006 NB / SN 028-0007 SB										Date: 10/22/2018					
Section: (28-5)B-3										Bored By: T. Este					
County: Franklin										Checked By: A. Hayes					
Boring No. 1-5	Station 46147	Offset 26' 17" of SBL CL	Ground Surface 391.8 Ft	Surf Wat Elev: 364.0	Ground Water Elevation when Drilling 354.90	At Completion 0	At: Hrs:	D E P T H	B L O W S	Q u t s f	W %	D E P T H	B L O W S	Q u t s f	W %
Brown, Moist SILTY CLAY and GRAVEL															
Augered															
388.6															
Hard Brown, Moist CLAY A7-6															
WH 4.1B 17															
5															
387.3															
Stiff Brown and Grey, Moist CLAY A7-6															
5.0 1															
4 1.9B 21															
4															
384.8															
Stiff Brown and Grey, Moist CLAY to SILTY CLAY A-6															
1 9 1.1B 26															
4															
381.8															
V. Stiff Brown and Mottled Grey, Moist CLAY A7-6															
1 4 3.7B 16															
4															
379.3															
Stiff Brown and Mottled Grey, Moist CLAY A7-6															
1 3 1.1B 21															
3															
378.8															
Stiff Grey and Brown, Moist CLAY A7-6															
1 3 1.8B 19															
3															
1															
4 1.6B 20															
4															
20.0															
1 3 1.6B 29															
4															
388.3															
Stiff Grey, Moist CLAY A7-6															
1 2 1.2B 27															
3															
386.8															

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall). B-Bulge S-Shear E-Estimated P-Penetrometer

ILLINOIS DEPARTMENT OF TRANSPORTATION										Bridge Foundation Boring Log					
District Nine Materials										Sheet 2 of 2					
Route: I-57										Location: 1.5 mi. North of IL 149 - MP 66.5					
Section: (28-5)B-3										Date: 10/22/2018					
County: Franklin										Bored By: T. Este					
Checked By: A. Hayes															
Boring No. 1-5	Station 46147	Offset 26' 17" of SBL CL	Ground Surface 391.8 Ft	Surf Wat Elev: 364.0	Ground Water Elevation when Drilling 354.90	At Completion 0	At: Hrs:	D E P T H	B L O W S	Q u t s f	W %	D E P T H	B L O W S	Q u t s f	W %
Bottom of hole = 75 feet															
Fine water observed at 37 feet															
Elevation referenced to BM at SW abutment parapet wall SN 028-0007, Elev = 395.60															
373.3															
V. Loose Grey, Damp Fine SAND 84% Silt 10% Clay 6%															
55.0 wh															
wh															
2 27															
80.0															
Borehole advanced with hollow stem auger (8 in. OD, 3.25 in. ID)															
To convert 'N' values to 'NG' multiply by 1.5															
(Washed)															
332.3															
M. Dense Grey, Damp Fine SAND															
80.0 2															
0															
12															
85.0															
(Washed)															
327.3															
V. Stiff Grey, Moist Weathered CLAY SHALE															
65.0 6															
28 2.9S 14															
46															
90.0															
322.3															
Hard Grey CLAY SHALE															
70.0 100@6															
95.0															
75.0 100@7															
100.0															

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall). B-Bulge S-Shear E-Estimated P-Penetrometer

ILLINOIS DEPARTMENT OF TRANSPORTATION										Bridge Foundation Boring Log					
District Nine Materials										Sheet 1 of 2					
PAT 57 Over Middle Fork Big Muddy River										Location: 1.5 mi. North of IL 149 - MP 66.5					
Route: I-57 Structure Number: SN 028-0006 NB / SN 028-0007 SB										Date: 10/23/2018					
Section: (28-5)B-3										Bored By: T. Este					
County: Franklin										Checked By: A. Hayes					
Boring No. 2-6	Station 42150	Offset 24' 17" of NWS CL	Ground Surface 392.5 Ft	Surf Wat Elev: 364.0	Ground Water Elevation when Drilling 357.50	At Completion 0	At: Hrs:	D E P T H	B L O W S	Q u t s f	W %	D E P T H	B L O W S	Q u t s f	W %
Augered															
390.5															
V. Stiff Brown, Moist SILTY CLAY A-6															
1 3 2.5B 17															
4															
388.0															
Stiff Brown, Moist SILTY CLAY A-6															
5.0 1															
3 1.0B 27															
4															
360.5															
wh															
1 1.7B 19															
1															
388.0															
Soft Brown, Damp SILTY CLAY A-6															
10.0 wh															
0.8B 22															
2															
380.5															
Stiff Brown and Grey, Moist SILTY CLAY A-6															
1 3 1.2S 18															
5															
378.0															
V. Stiff Brown, Moist SILTY CLAY A-6															
15.0 2															
4 3.5B 16															
7															
375.5															
V. Stiff Brown and Grey, Moist SILTY CLAY A-6															
2															
4 2.3B 21															
7															
373.0															
(Washed)															
348.0															
V. Stiff Brown and Grey, Moist CLAY A7-6															
20.0 1															
3 2.1B 25															
4															
370.5															
M. Stiff Grey, Moist CLAY A7-6															
1 2															
3 0.9B 23															
368.0															
25.0 wh															
343.0															
50.0 1															

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall). B-Bulge S-Shear E-Estimated P-Penetrometer

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 028-0087 (N.B.) & 028-0088 (S.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	211
CONTRACT NO. 78656				
SHEET NO. 47 OF 51 SHEETS				
ILLINOIS FED. AID PROJECT				

Route: I-57
 Section: (28-5)B-3
 County: Franklin

Sheet 2 of 2
 Date: 10/23/2018

DEPTH	BLOW S	Qu	W%	DEPTH	BLOW S	Qu	W%
	4	1.5S	10				
341.0	6						
337.5	65.0	100%		80.0			
				85.0			
				90.0			
				95.0			
				100.0			

K-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall, B-Bulge S-Shear E-Estimated P-Penetrometer)

Sh. 1 of 9

BRIDGE FOUNDATION BORING LOG

PROJECT: BRIDGE Carrying I-57 over Date: January 1961
 ROUTE: I-57 Big Muddy River (Middle Fork) Bor. Eng. W. E. Stallman
 SEC. 28-5B STA. 44+49 Drilling Tech. J. Congiardo
 COUNTY Franklin

Boring No. 1
 Station 44+25
 Offset 37' Left

Elevation	N	Qu (t/s.f.)	Type Failure	W (%)	Surface Water El.	Elevation	N	Qu (t/s.f.)	Type Failure	W (%)
374.6						374.6				
370.6						370.6				
367.6						367.6				
363.6						363.6				
360.1						360.1				
357.6						357.6				
355.1						355.1				
353.6						353.6				

Ground Surface 374.6 0
 Stiff and moist grey silty clay to clay A-6(12)
 Soft and very moist brown silty clay to silty clay-loam A-6(10)
 Very stiff and moist brown clay A-7-6(14-15)
 Medium to stiff and moist tan clay A-7-6(15)
 Stiff and moist brown mottled brown clay A-7-6(13-14)
 Medium to stiff and moist brown silty clay to clay A-6(10-11)
 Stiff and moist grey mottled brown silty clay to silty clay loam A-6(9-10)
 Stiff and moist grey mottled brown silty clay to clay A-6(11-12)
 Loose and very moist grey medium graded fine sand
 Medium and moist grey silt loam A-4(8)
 (See next column)

Groundwater El. at Completion 364.6
 After 24 Hours 369.1

Surface Water El. ---
 Elevation 350.1
 -25
 -30
 -34.6
 -34.1
 -35
 -36.6
 -36.1
 -40
 -42.6
 -45

9 1.7 B 2
 13 3.6 B 2
 10 2.5 B 2
 8 2.2 S 3
 5 1.2 B 2
 13 0.8 P 1
 14 0.3 P 1

N - Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".
 Qu - Unconfined Compressive Strength - t/sf
 W - Water Content - percentage of oven dry weight-%
 Type failure:
 B - Bulge Failure
 S - Shear Failure
 E - Estimated Value
 P - Penetrometer Value

Sh. 2 of 9

BRIDGE FOUNDATION BORING LOG

PROJECT: BRIDGE carrying I-57 over Date: January 1961
 ROUTE: I-57 Big Muddy River (Middle Fork) Bor. Eng. W. E. Stallman
 SEC. 28-5B STA. 44+49 Drilling Tech. J. Congiardo
 COUNTY Franklin

Boring No. 1
 Station 44+25
 Offset 37' Left

Elevation	N	Qu (t/s.f.)	Type Failure	W (%)	Surface Water El.	Elevation	N	Qu (t/s.f.)	Type Failure	W (%)
332.6						332.6				
328.6						328.6				
323.1						323.1				
322.1						322.1				

Ground Surface 40
 (See previous column)
 Loose and wet grey medium graded fine sand
 Medium to hard and dry clay shale
 Medium to hard and dry black bituminous coal
 Bottom of Hole = 52.5 feet

Groundwater El. at Completion 364.6
 After 24 Hours 369.1

Surface Water El. ---
 Elevation 332.6
 -65
 -50
 -55
 -60
 -65

15 0.8 P 1.8
 5 - - 23
 100 Blows in 6"
 11
 100 Blows in 9"
 10
 100 Blows in 3"
 17

During drilling operations it was encountered that free water was encountered at 10.5 feet. The hole was washed to obtain the sample from 45.5 feet to 46.5 feet

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".
 Qu - Unconfined Compressive Strength - t/sf
 W - Water Content - percentage of oven dry weight-%
 Type failure:
 B - Bulge Failure
 S - Shear Failure
 E - Estimated Value
 P - Penetrometer Value

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USER NAME = Reddy V	DESIGNED - KES	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = JUNE 17, 2021	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS
 STRUCTURE NO. 028-0087 (N.B.) & 028-0088 (S.B.)**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	212
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

FORM NO. B.O. 137 REV. 9-60 Sh. 6 of 9

BRIDGE FOUNDATION BORING LOG

PROJECT BRIDGE Carrying FAI 57 over Date July
 ROUTE FAI 57 Big Muddy River (Middle Fork) Bored By J.H.M.
 SEC. 28-5B STA. 44+49 Checked By W. E. Stallman
 COUNTY Franklin

Elevation	Z	W (%)	Surface Water El. None	Elevation	Z	W (%)
375.2	0		Groundwater El. at Completion 364.2			
			After 24 Hours 368.2			
375.2	0		Stiff and moist bluish grey clay A-7-6(15)	7	1.2B	3
			Augered Sample			
351.2			Very stiff and moist brown clay A-7-6(20)	-29	2.2B	2
			Stiff and moist grey mottled brown clay A-7-6(20)	12	1.7S	3
347.2			Medium and very moist grey mottled brown silty clay A-6(10-11)	8	1.2S	3
368.2			Stiff and moist bluish grey clay A-7-6(20)	10	1.9B	3
366.2			Medium and wet grey sandy clay loam	10	0.4S	2
364.2			Stiff and moist bluish grey clay A-7-6(20)	6	1.1B	2
361.7			Medium and dry grey clay shale	100 Blows in 12 inches		
358.2			Soft to medium and moist bluish grey silty clay A-6(9-10)	9	0.7S	27
354.7			Medium and wet grey clay loam A-6(6-7)	7	0.5P	27

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer, 30" drop
 Qu - Unconfined Compressive Strength - t/sf
 W - Water Content - percentage
 Type failure: B - Bulge Failure S - Shear Failure E - Estimated Value

FORM NO. B.O. 137 REV. 9-60 Sh. 7 of 9

BRIDGE FOUNDATION BORING LOG

PROJECT BRIDGE Carrying FAI 57 over Date July
 ROUTE FAI 57 Big Muddy River (Middle Fork) Bored By J.H.M.
 SEC. 28-5B STA. 44+49 Checked By W. E. Stallman
 COUNTY Franklin

Elevation	Z	W (%)	Surface Water El. None	Elevation	Z	W (%)
4.0			Groundwater El. at Completion 364.2			
			After 24 Hours 368.2			
4.0			During drilling operations, it appeared that free water was encountered at 20.0 feet.			
			Hole was washed to obtain samples between 40.5 feet and 44.0 feet.			
329.7			Medium and wet well graded medium sand	16	0.1P	22
327.7			Hard and moist grey clay A-7-6(15) near clay shale	26	4.5P	19
321.2			Medium and dry grey clay shale	100 Blows in 12 inches		
317.7			Bottom of Hole = 57.5 feet	100 Blows in 5 inches		

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer, 30" drop
 Qu - Unconfined Compressive Strength - t/sf
 W - Water Content - percentage
 Type failure: B - Bulge Failure S - Shear Failure E - Estimated Value

FORM NO. B.O. 137 REV. 9-60 Sh. 8 of 9

BRIDGE FOUNDATION BORING LOG

PROJECT BRIDGE Carrying FAI 57 over Date July 1961
 ROUTE FAI 57 Big Muddy River (Middle Fork) Bored By J.H.M.
 SEC. 28-5B STA. 44+49 Checked By W. E. Stallman
 COUNTY Franklin

Elevation	Z	W (%)	Surface Water El. None	Elevation	Z	W (%)
375.6	0		Groundwater El. at Completion 360.7			
			After 21 Hours 368.7			
375.6	0		(See previous column)			
			Medium and very moist grey mottled brown silty clay loam A-6(9-10)	352.1	4	0.5B
			Augered Sample			
349.6			Medium and moist grey clay A-7-6(17-20)	-29		
371.1			Stiff to very stiff and moist brown mottled grey clay A-7-6(20)	11	2.2B	
369.6			Medium and very moist grey mottled brown silty clay A-6(11-12)	4	0.7P	27
365.6			Stiff and moist grey mottled brown silty loam A-4(8)	18	1.5S	21
362.1			Medium and very moist grey mottled brown silty clay A-6(11-12)	9	0.7B	26
363.6			Stiff and moist grey clay A-7-6(17-20)	-35		
359.6			Medium to stiff and moist grey mottled brown and black clay A-7-6(15-17)	5	1.1B	21
357.1			Soft and very moist bluish grey silty clay A-6(10)	8	0.9S	
354.6			Medium and wet grey sandy clay loam	4	0.4B	32
331.1			Soft and very moist bluish grey clay A-7-6(15)	5	1.0P	2

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer, 30" drop
 Qu - Unconfined Compressive Strength - t/sf
 W - Water Content - percentage
 Type failure: B - Bulge Failure S - Shear Failure E - Estimated Value

MODEL: 78656 - 214
 FILE NAME: Z:\0 V and K jobs\5244-007 1-57 over Middle Fork Big Muddy River\CADD Sheets\DS78631-structure.dgn
 6/17/2021 8:38:17 AM



USER NAME = Reddy V
 DESIGNED - KES
 CHECKED - TRC
 DRAWN - JRP
 PLOT SCALE =
 PLOT DATE = JUNE 17, 2021

REVISOR -
 REVISION -
 REVISION -
 REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS
 STRUCTURE NO. 028-0087 (N.B.) & 028-0088 (S.B.)**

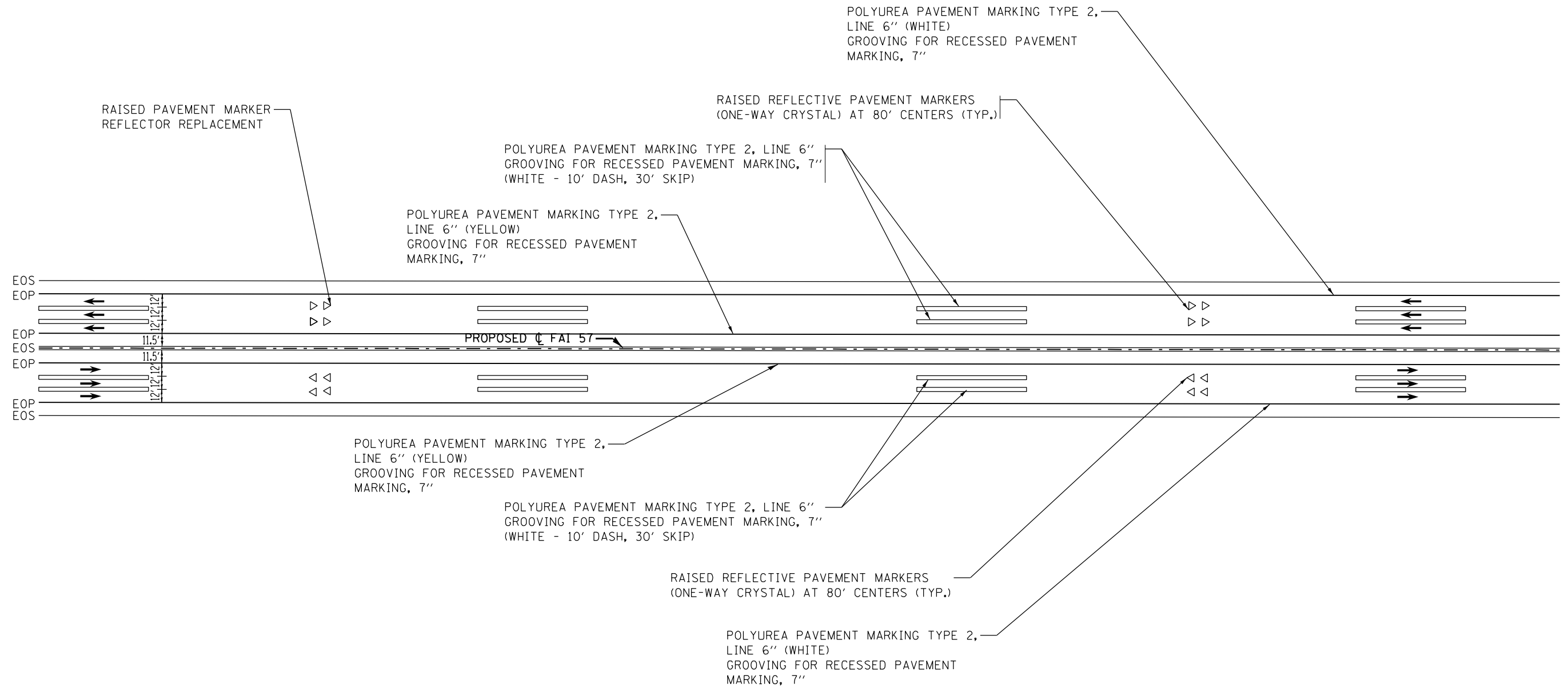
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(28-5)B-3	FRANKLIN	403	214
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

SHEET NO. 50 OF 51 SHEETS

PAVEMENT MARKING DETAIL FINAL STRIPING

NORTHBOUND:
STA. 307+00 TO STA. 79+00

SOUTHBOUND:
STA. 307+00 TO STA. 79+00



MODEL: I-57 Pavement Marking Detail
FILE NAME: p:\pbl\mcom\contract\illinois\proj\PMIDOT\Documents\DOT_Officer\Dir\I-57\Project\78656\ORPC-ADDData\CAD\sheet\ORPC-D9-78656-Detail.dgn

USER NAME = dailyll	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL

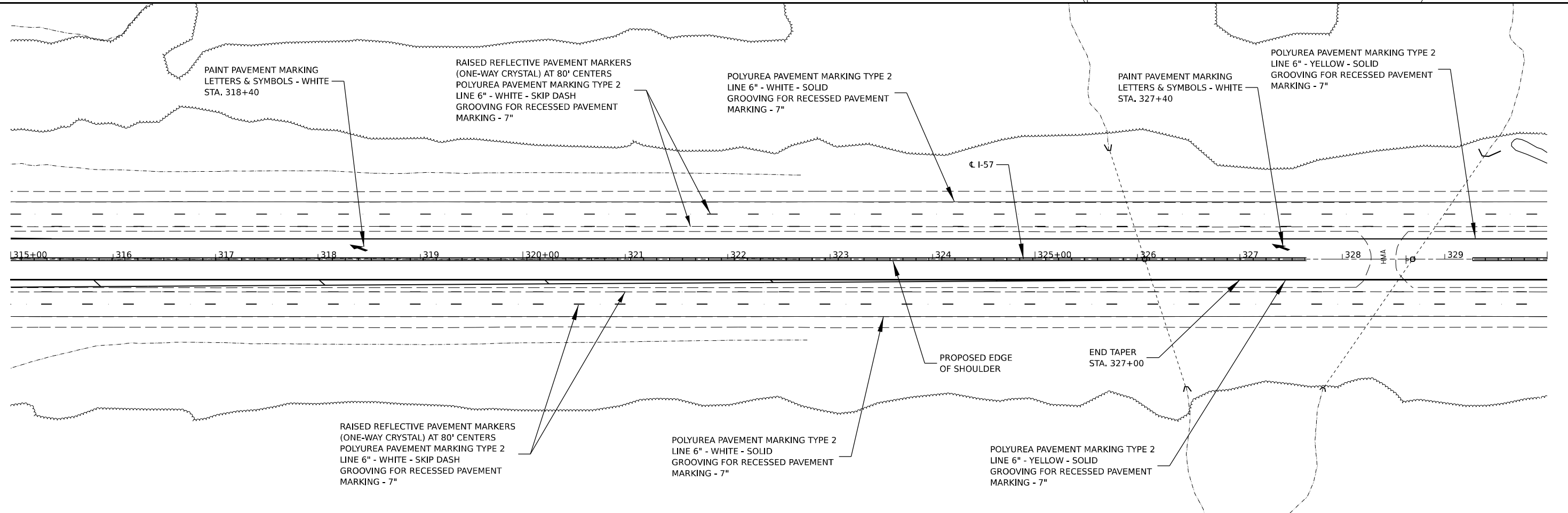
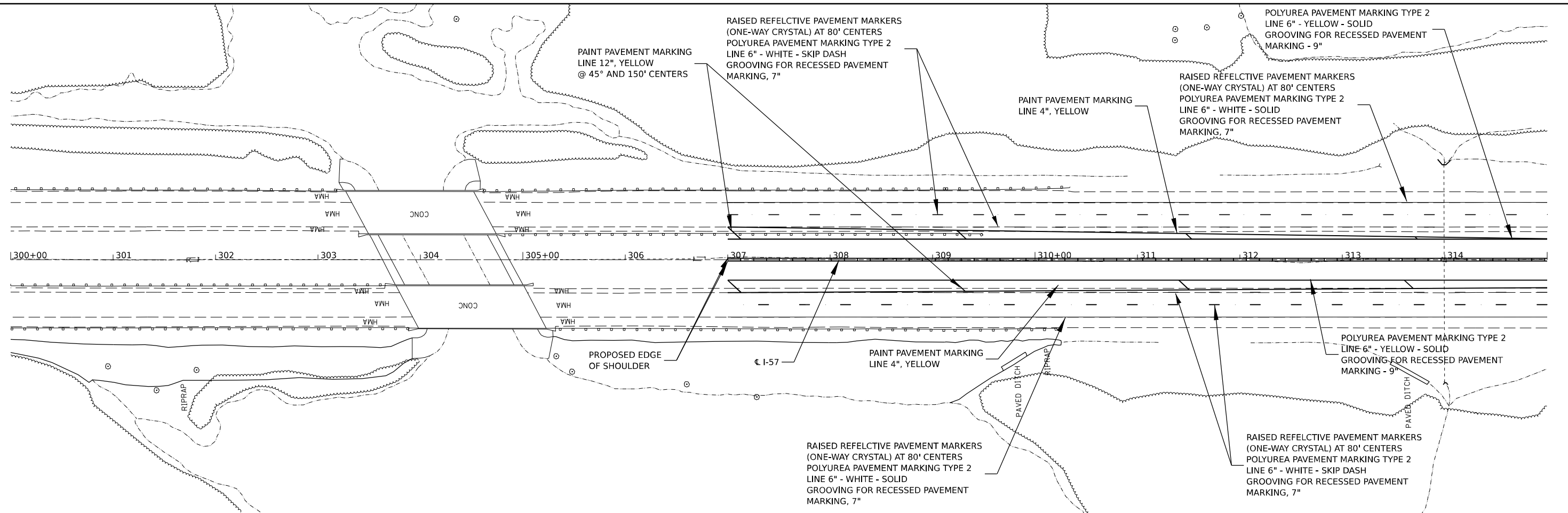
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	216
CONTRACT NO. 78656				

ILLINOIS FED. AID PROJECT

*D9 I-57 Add Lane-4;(28-5)B-3

MODEL: 11 Pavement Marking Detail
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USER NAME = dailyll	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

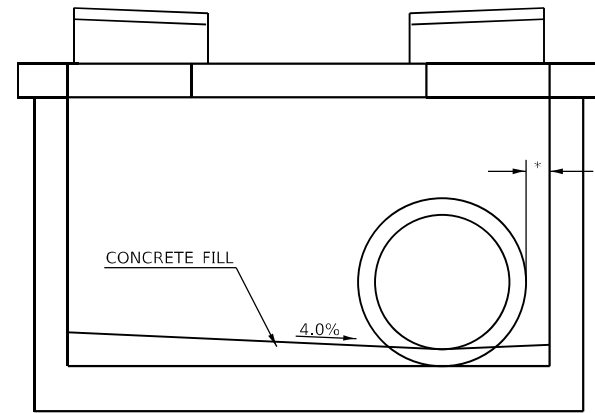
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	217
CONTRACT NO. 78656				

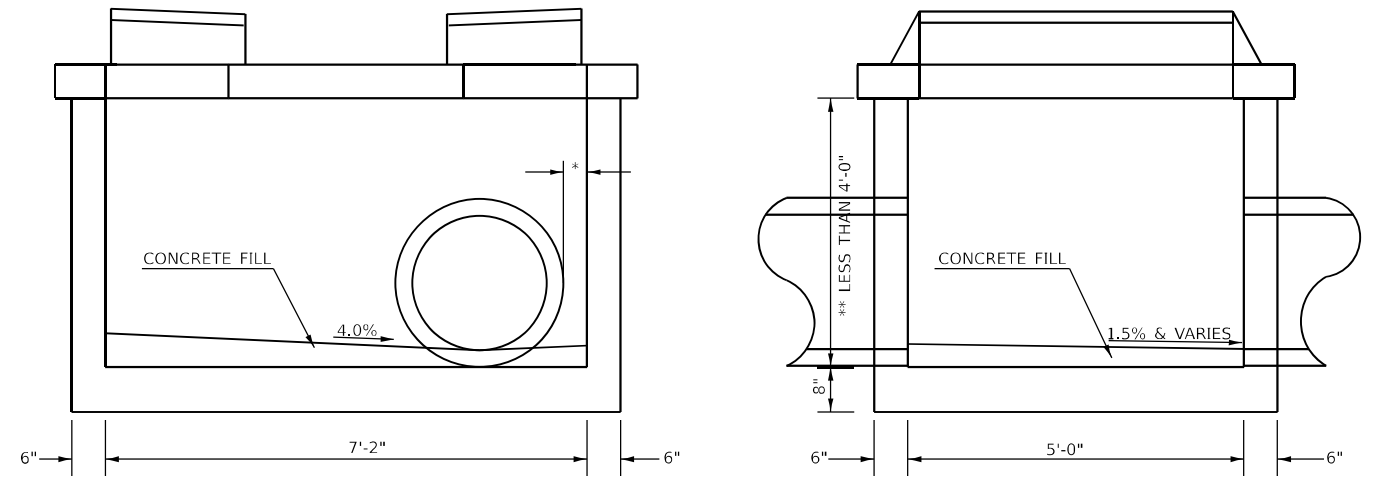
*D9 I-57 Add Lane-4;(28-5)B-3

**DETAIL OF CONCRETE FILL FOR
DRAINAGE STRUCTURE TYPE 5
WITH TYPE 22 FRAME AND GRATE**



SECTION PERPENDICULAR TO PIPE

**DETAIL OF DRAINAGE STRUCTURE
TYPE 5, WITH TWO TYPE 22 FRAME
AND GRATES (SPECIAL)**

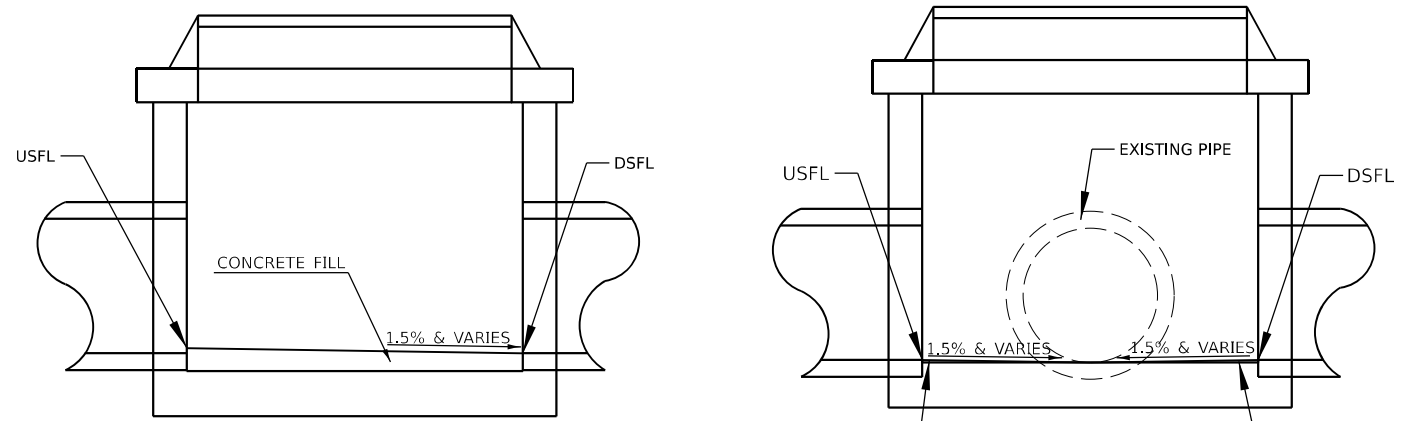


SIDE ELEVATION

FRONT ELEVATION

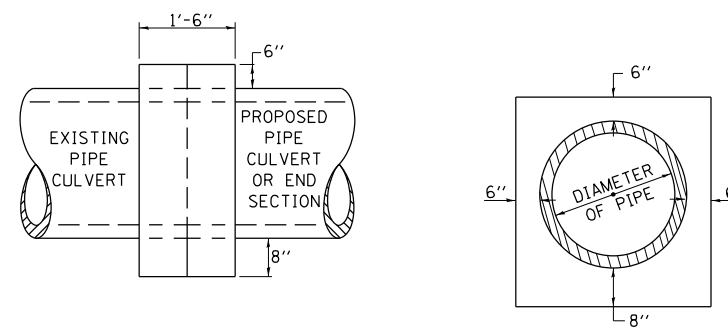
* PIPE MINIMUM 2" FROM INSIDE EDGE OF DRAINAGE STRUCTURE DISTANCE IS NOT REFLECTED IN ELECTRONIC MODEL
**CONSTRUCT ACCORDING TO STANDARD 602106 EXCEPT FOR CHANGE IN DIMENSION SHOWN

**CONCRETE COLLAR
PIPE TO PIPE**



SECTION PARALLEL TO PIPE
NO EXISTING PIPE

SECTION PARALLEL TO PIPE
WITH EXISTING PIPE



SIDE VIEW

END VIEW

TABULATION

DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR**, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

MODEL: 13 Detail Sheet
FILE NAME: p:\p1\hmc\om.dct\illinois.gov\PM\DOT\Documents\DOT Office\District 9\Project\78656\ORPC\ADDData\CAD\Sheet\ORPC-D9\78656-Detail.sgn

* PIPE MINIMUM 2" FROM INSIDE EDGE OF DRAINAGE STRUCTURE DISTANCE IS NOT REFLECTED IN ELECTRONIC MODEL

USER NAME = dailyll	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE STRUCTURE DETAILS
SEEDING AND MULCHING DETAIL, CONCRETE COLLAR DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	218

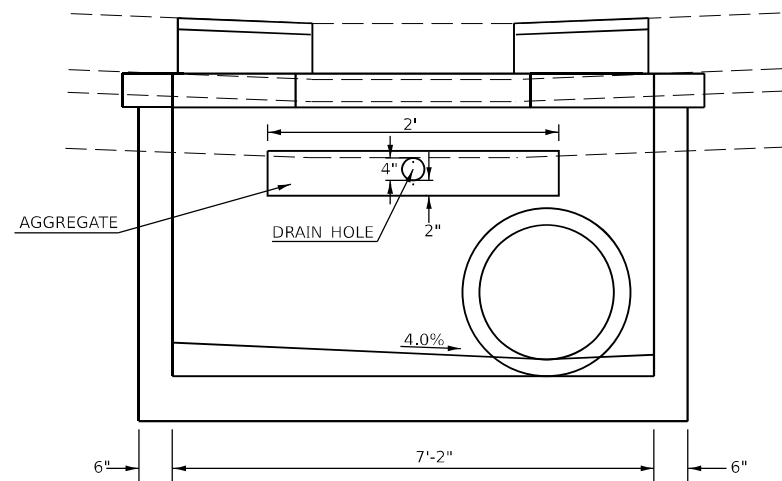
REVISIONS	
DRAWN	7-13-90
REVISED	8-22-94
REVISED	3-26-08
REVISED	5-17-13

STD. 9-79

ILLINOIS FED. AID PROJECT
CONTRACT NO. 78656

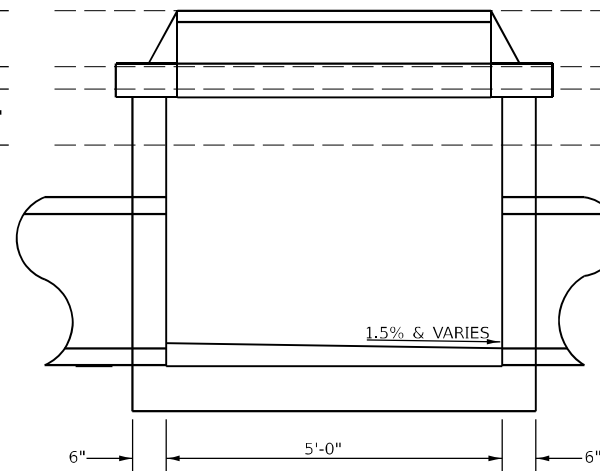
*D9 I-57 Add Lane-4;(28-5)B-3

**DETAIL OF DRAIN HOLE FOR
DRAINAGE STRUCTURE TYPE 5
WITH TYPE 22 FRAME AND GRATE**

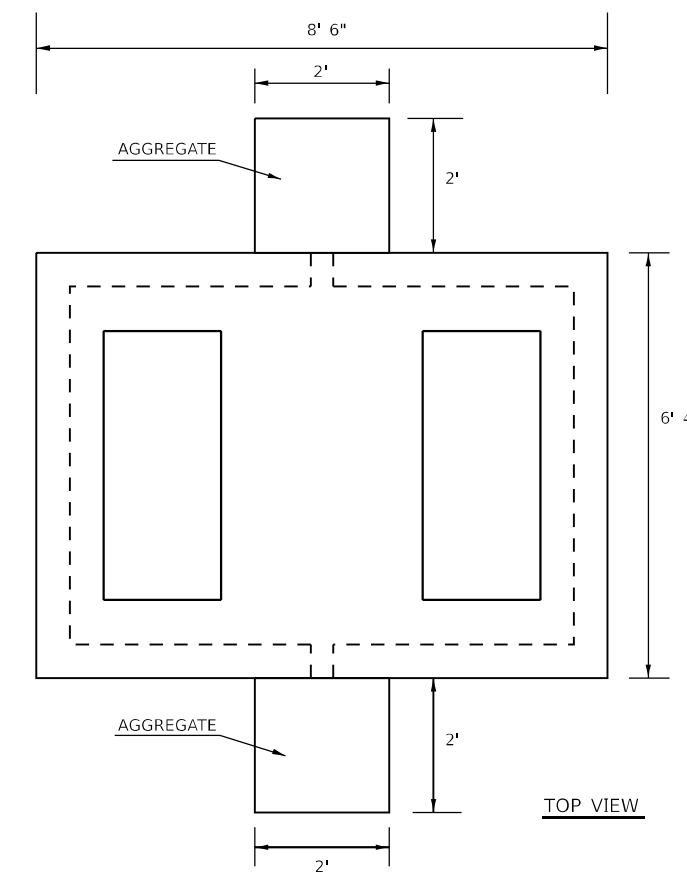


SIDE ELEVATION

HOT-MIX ASPHALT SHOULDERS, 10"
SUBBASE GRANULAR MATERIAL, TYPE A, 4"
SUBBASE GRANULAR MATERIAL, TYPE A, 10"



FRONT ELEVATION



TOP VIEW

MODEL: 13 Detail Sheet
FILE NAME: p:\p1\hennson.dwt, illinois.gov\PM\DOT\Documents\DOT Office\District 9\Project\78656\ORPC-AD\Drawings\CAD\Drawings\ORPC-09\78656-Detail.dgn

USER NAME = dailyll	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

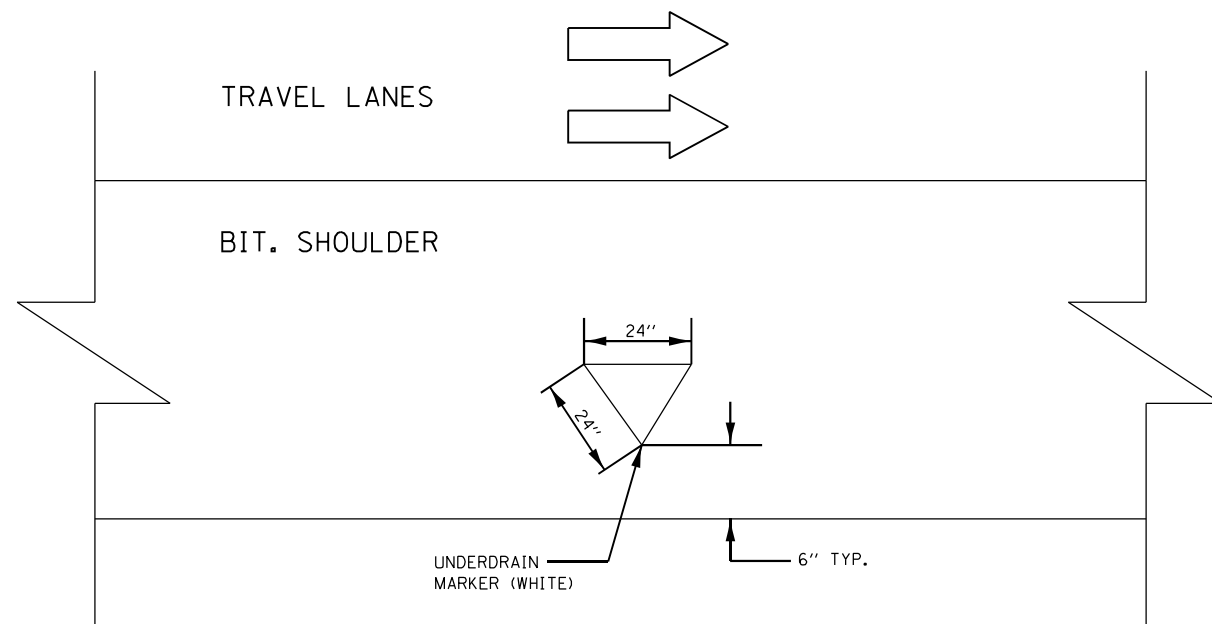
DRAIN HOLE DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	219
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

TYPICAL UNDERDRAIN OUTLET MARKER DETAIL



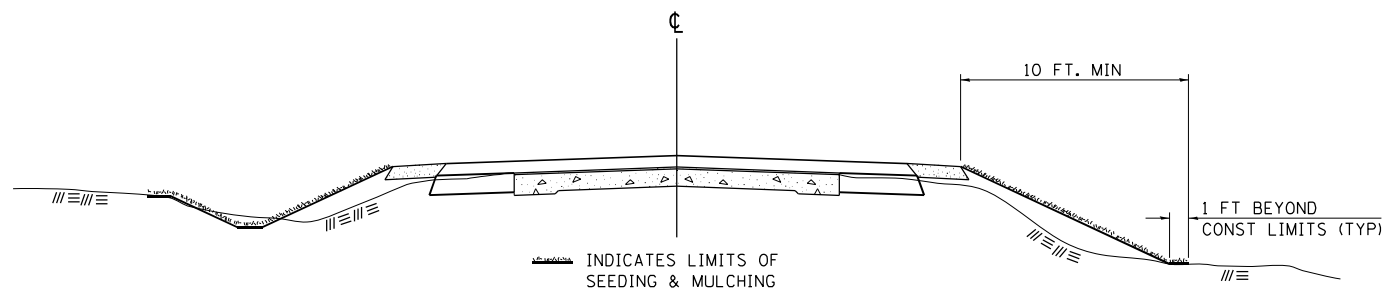
NOTES:

TO BE PAID FOR AS POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS
(USE 2 SQ FT FOR AREA)

PIPE UNDERDRAIN MARKERS

LOCATION STA TO STA	NUMBER OF LATERAL PIPE UNDERDRAINS	POLYUREA PAVEMENT MARKING LETTERS & SYMBOLS
	EACH	SQ FT
NORTHBOUND OUTSIDE	86	172
SOUTHBOUND OUTSIDE	91	182
NORTHBOUND INSIDE	114	228
SOUTHBOUND INSIDE	114	228
TOTAL	405	810

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

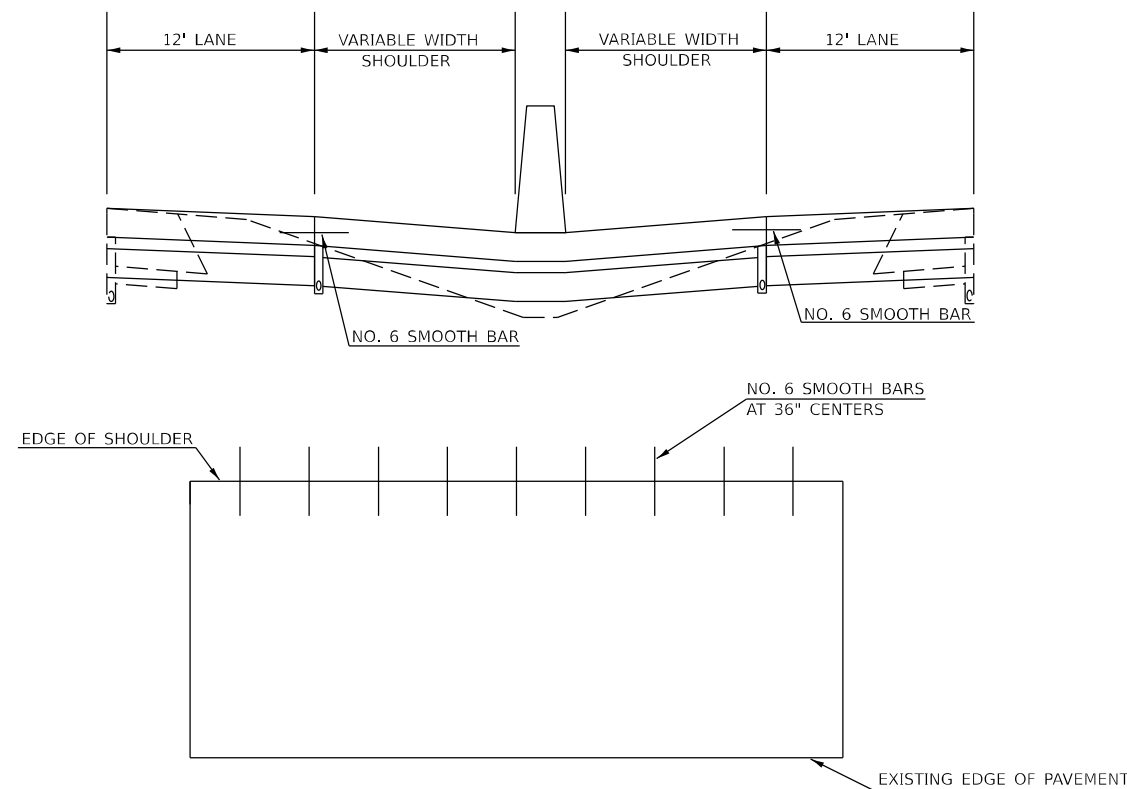
THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

STD. 9-12

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

JOINT DETAIL OF CONCRETE PAVEMENT ALTERNATE B



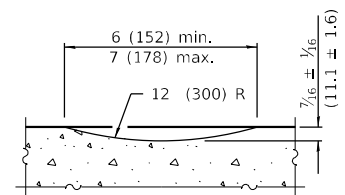
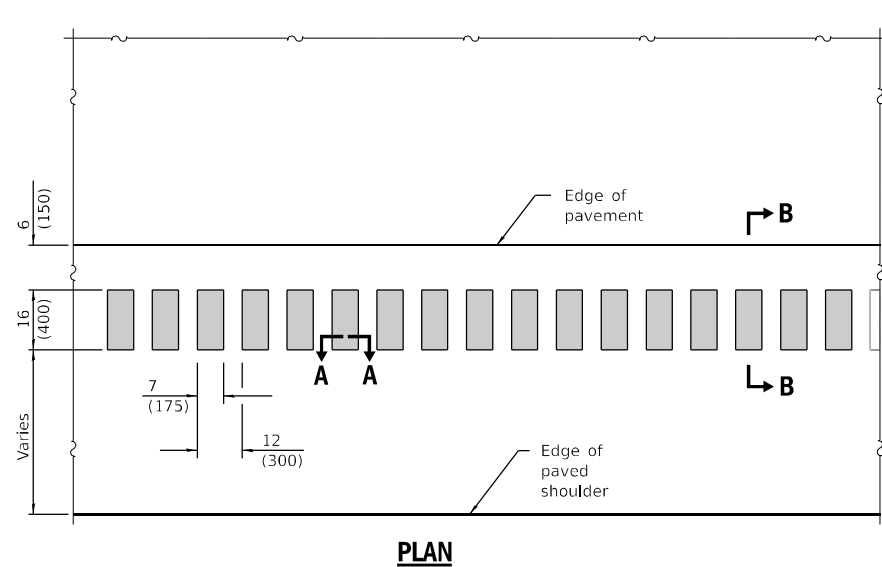
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNDREDRAIN OUTLET MARKER DETAIL
JOINT DETAIL OF CONCRETE PAVEMENT

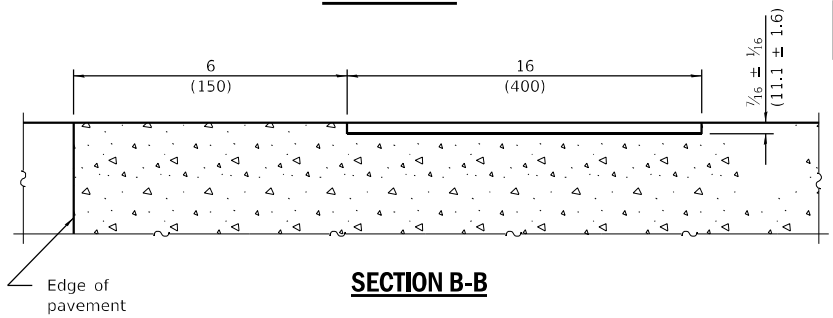
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	220
CONTRACT NO. 78656				

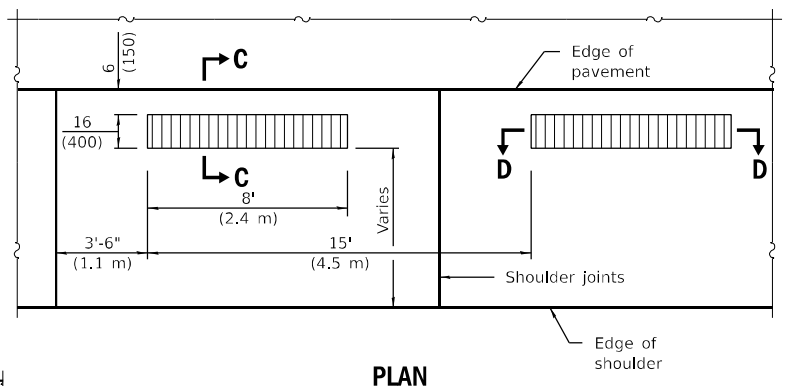
ILLINOIS FED. AID PROJECT
*D9 I-57 Add Lane-4;(28-5)B-3



SECTION A-A

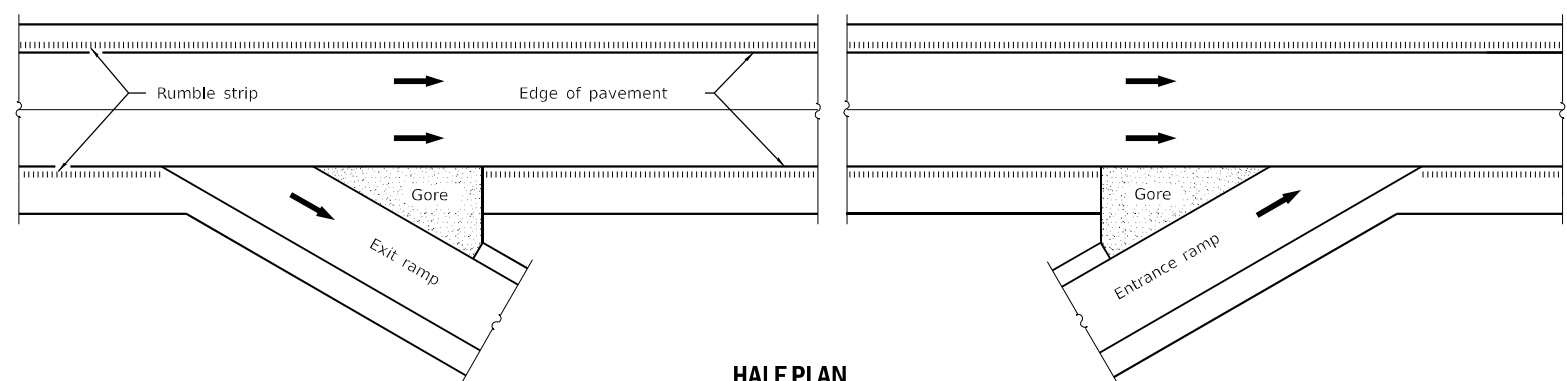


SECTION B-B

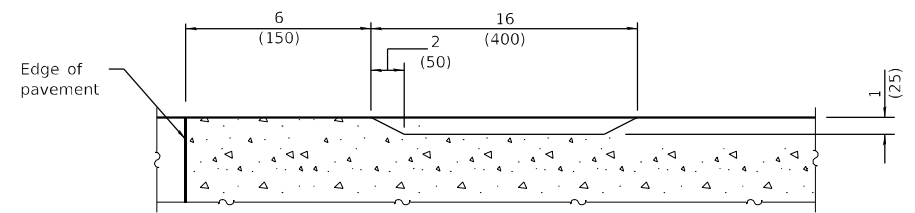


PLAN

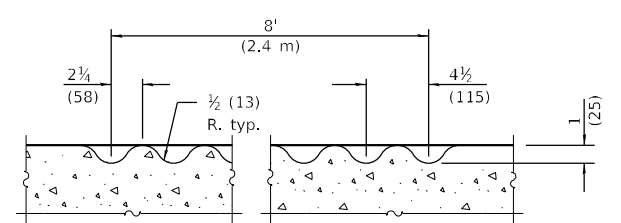
(Formed Alternate for PCC Shoulders)



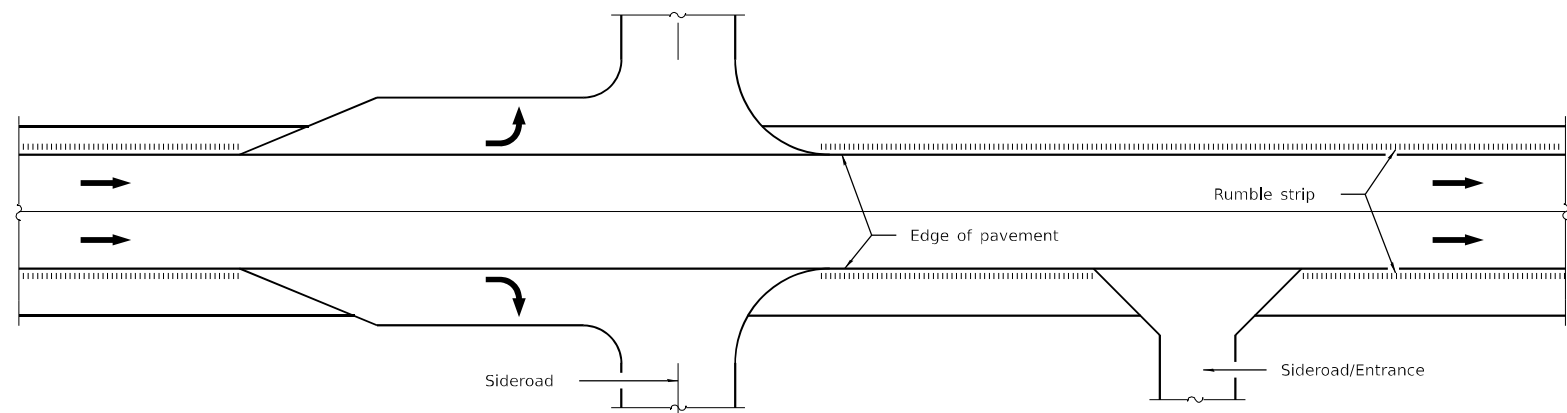
**HALF PLAN
TYPICAL APPLICATION AT AN INTERCHANGE**



SECTION C-C



SECTION D-D



**HALF PLAN
TYPICAL APPLICATION AT AN INTERSECTION OR ENTRANCE**

GENERAL NOTES

On Portland cement concrete shoulders, no shoulder rumble strip shall be located closer than 6 (150) to a transverse joint.

Omit shoulder rumble strips across structures.

All dimensions are in inches (millimeters) unless otherwise shown.

SHOULDER RUMBLE STRIPS, 16 in.

MODEL: 15 Detail Sheet
FILE NAME: p:\p1\hennon.dct\illinois.gov\PMIDOT\Documents\DOT_Offices\District 9\Project\78656\ORPC\CADD\Drawings\CAD\Drawings\ORPC\0978656-Detail.sgn

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DRAWN -	REVISED -	
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PLOT DATE = 5/7/2021	DATE -	REVISED -

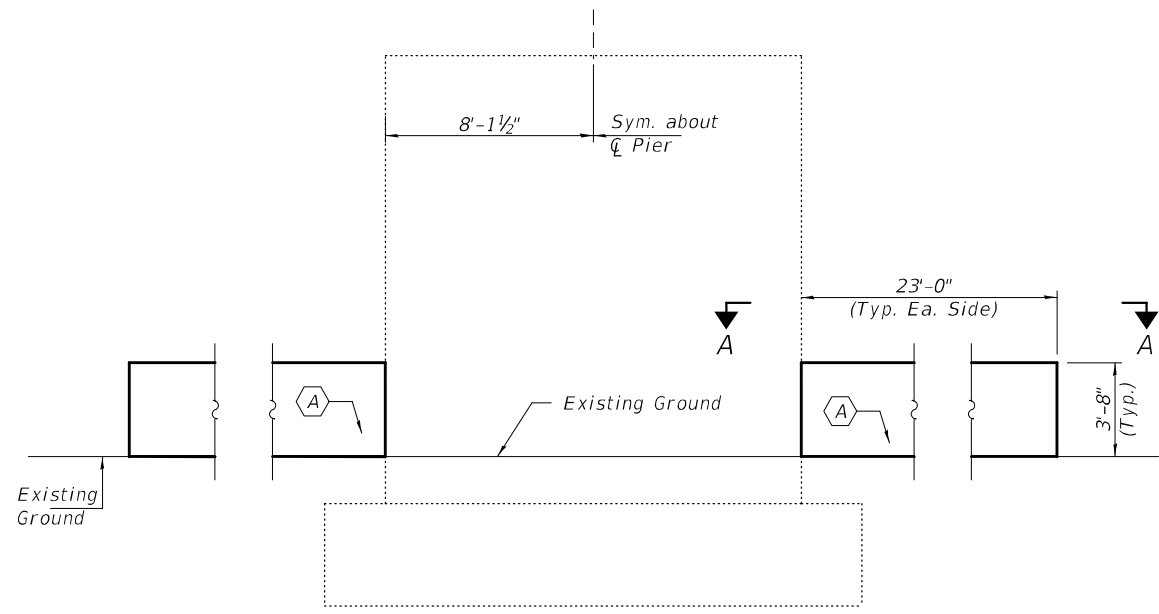
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHOULDER RUMBLE STRIPS DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

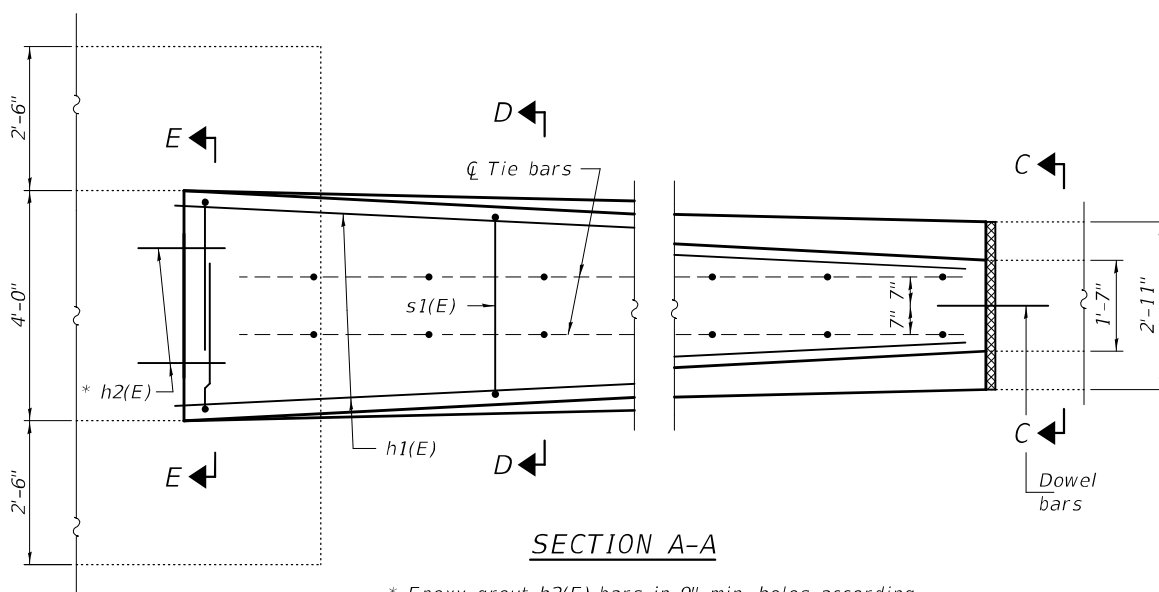
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	221
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



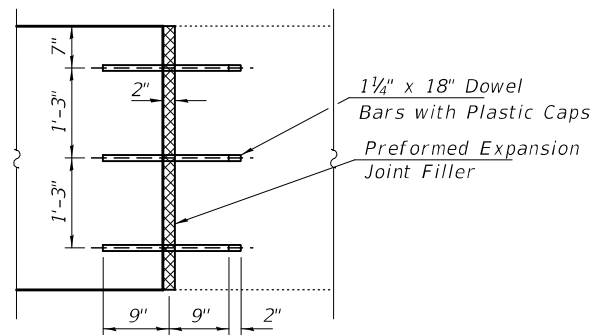
ELEVATION

(A) - Barrier Transition



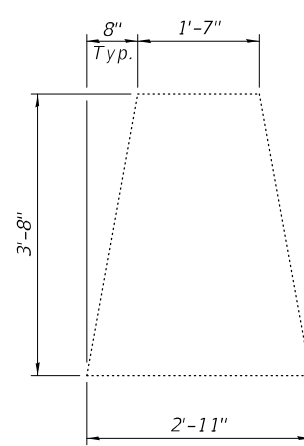
SECTION A-A

* Epoxy grout h2(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

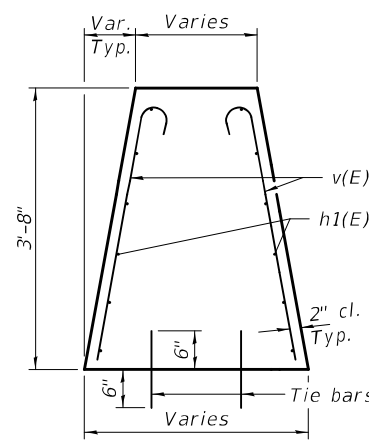


DETAIL A - EXPANSION JOINT

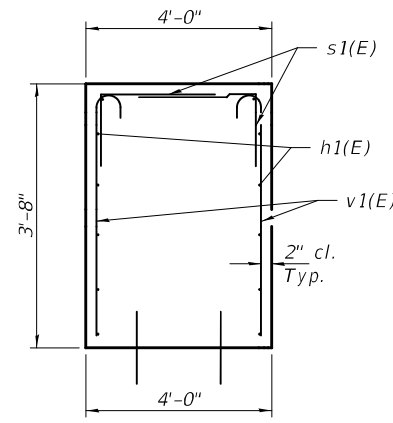
(See Standard 637006-04)



SECTION C-C

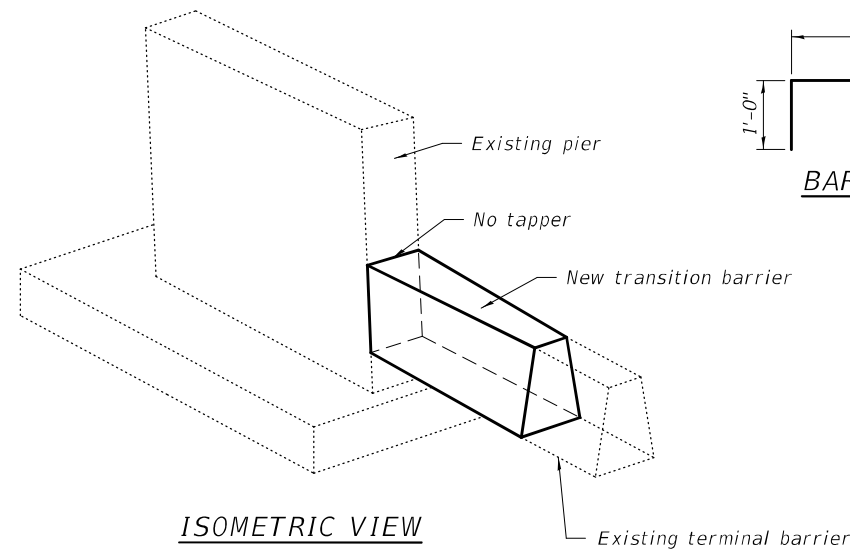


SECTION D-D

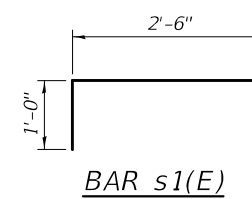


SECTION E-E

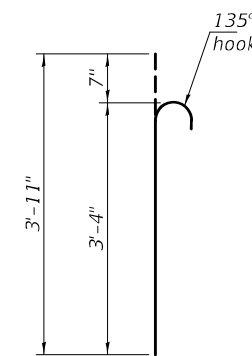
Notes:
The cost of tie bars shall be included with Concrete Structures.
The cost of expansion joints shall be included with Concrete Structures.



ISOMETRIC VIEW



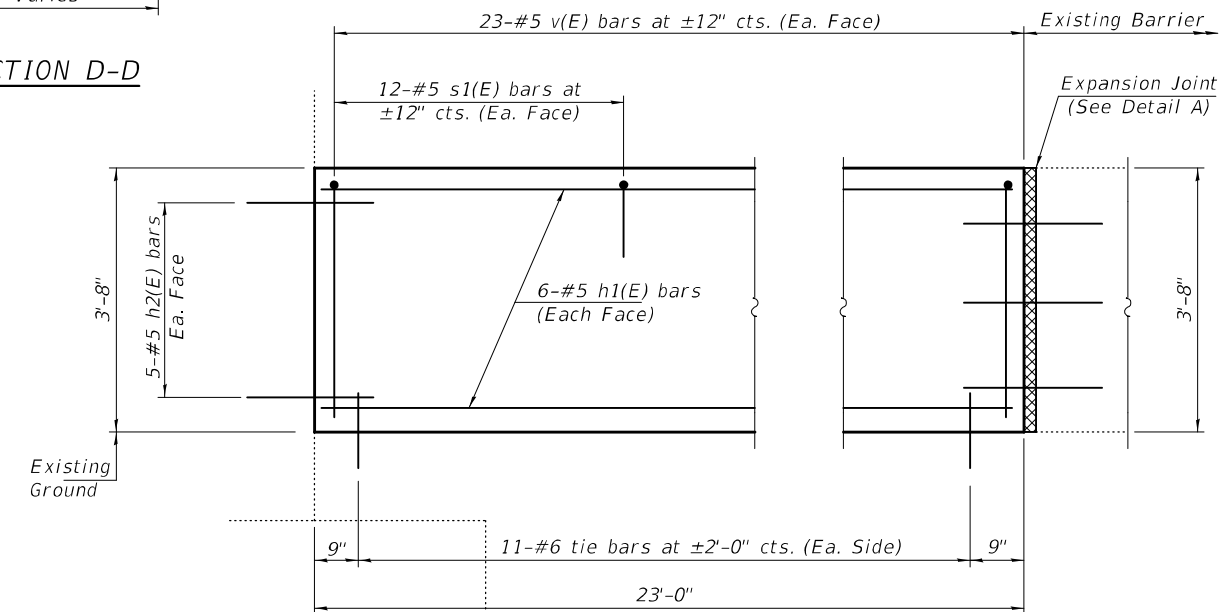
BAR s1(E)



BAR v(E)

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.



ELEVATION

***** TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	19.5
Protective Coat	Sq. Yd.	52
Reinforcement Bars, Epoxy Coated	Pound	1160

*** For information only. (To be paid for as Concrete Barrier, Double Face, 44-Inch Height. See Special Provisions.)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	24	#5	22'-8"	—
h2(E)	20	#5	2'-0"	—
s1(E)	48	#5	3'-6"	┌
v(E)	92	#5	3'-11"	└
Concrete Structures		Cu. Yd.	19.5	
Protective Coat		Sq. Yd.	52	
Reinforcement Bars, Epoxy Coated		Pound	1160	

** Apply to new concrete only.



EXPIRES 11-30-2022

DESIGNED - Victor H. Veliz
CHECKED - Stephen M. Ryan
DRAWN - Venkat Ramana Reddy V
CHECKED - VHV SMR

EXAMINED - *Twig A. Beck*
ENGINEER OF STRUCTURAL SERVICES
PASSED - *Dr. Carl Puzey*
ENGINEER OF BRIDGES AND STRUCTURES

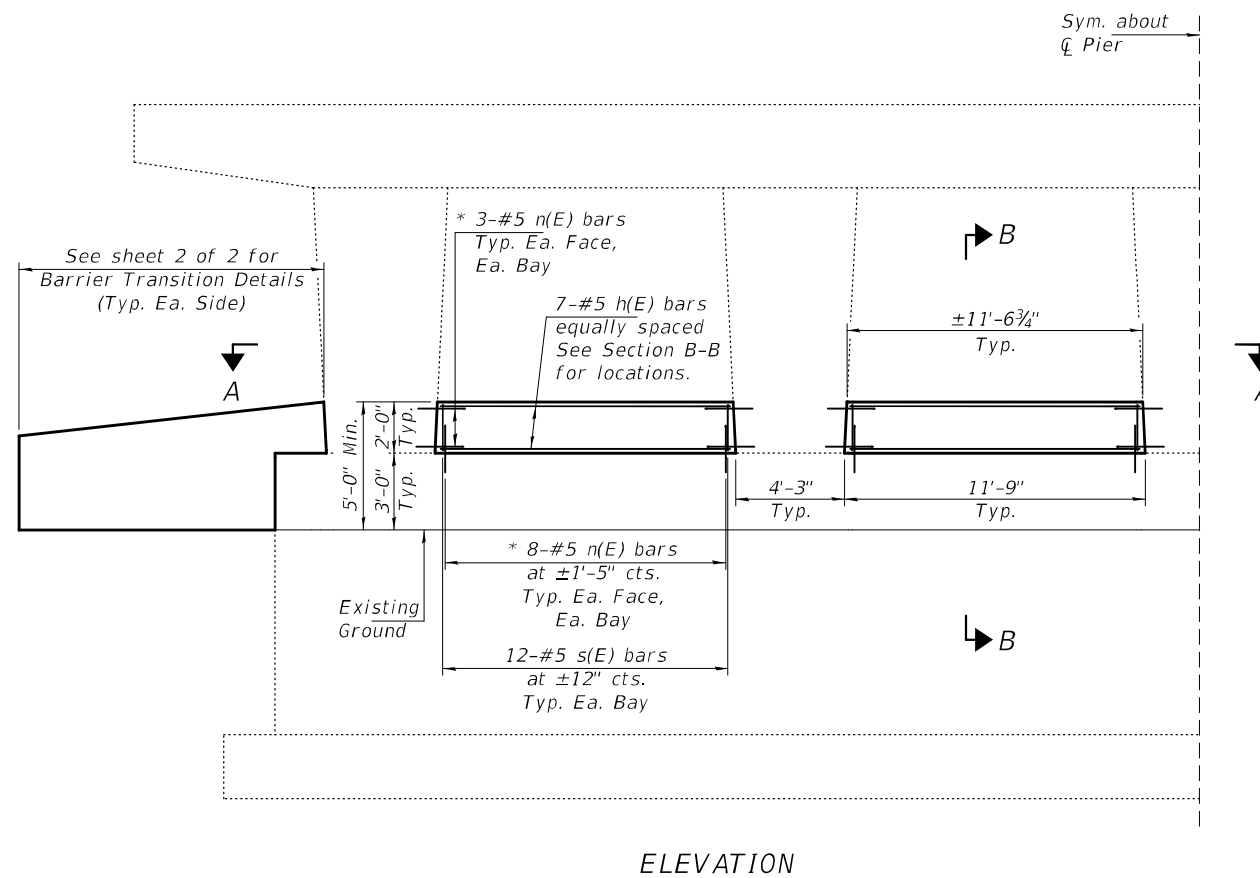
DATE - JUNE 14, 2021
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

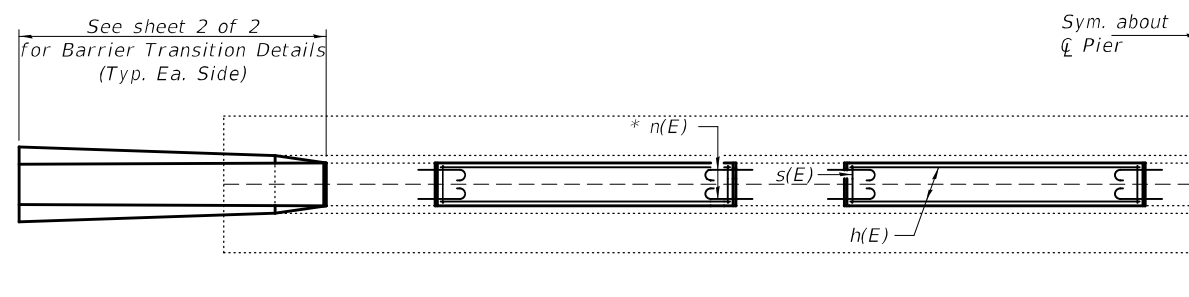
**BARRIER TRANSITION DETAILS - PIER 2
SN 028 - 0010**

SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 I-57 Add Lane-4;(28-5) B-3	FRANKLIN	403	222
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				



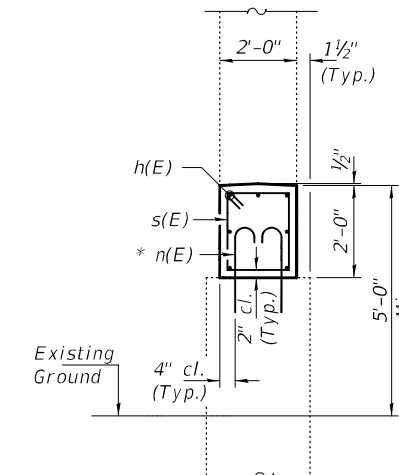
ELEVATION



SECTION A-A

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.



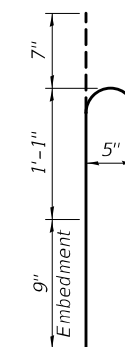
SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

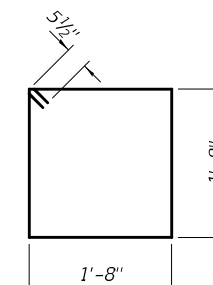
***TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	14.4
Protective Coat	Sq. Yd.	56.3
Reinforcement Bars, Epoxy Coated	Pound	1410

*** For information only. (To be paid for as Concrete Barrier, Double Face, 44-Inch Height. See Special Provisions.)



BAR n(E)



BAR s(E)

BILL OF MATERIAL (CRASHWALL EXTENSIONS)

Bar	No.	Size	Length	Shape
h(E)	28	#5	11'-4"	—
n(E)	112	#5	2'-5"	⌋
s(E)	44	#5	7'-7"	□
Concrete Structures			Cu. Yd.	7.0
Protective Coat			Sq. Yd.	31.3
Reinforcement Bars, Epoxy Coated			Pound	960

** Apply to new concrete only.



EXPIRES 11-30-2022

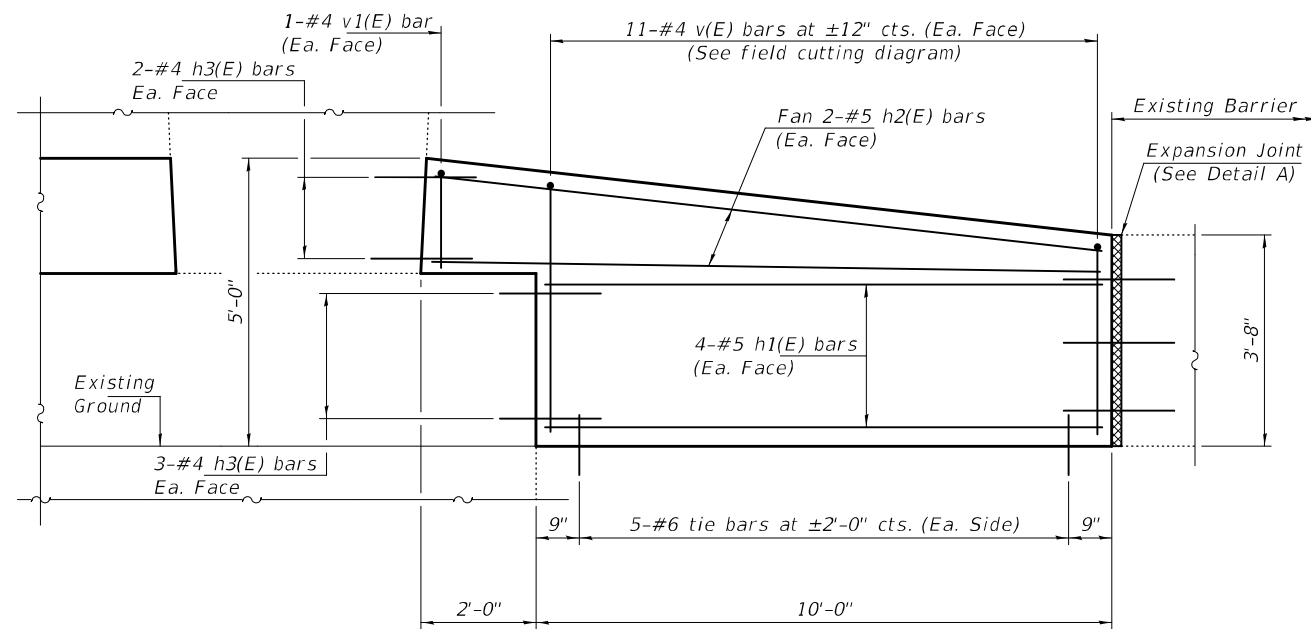
DESIGNED - Victor H. Veliz	EXAMINED - <i>Tony A. Rest</i>	DATE - JUNE 14, 2021
CHECKED - Stephen M. Ryan	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - <i>daburdell</i>	PASSED - <i>David Carl Puze</i>	REVISED -
CHECKED - VHV SMR	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

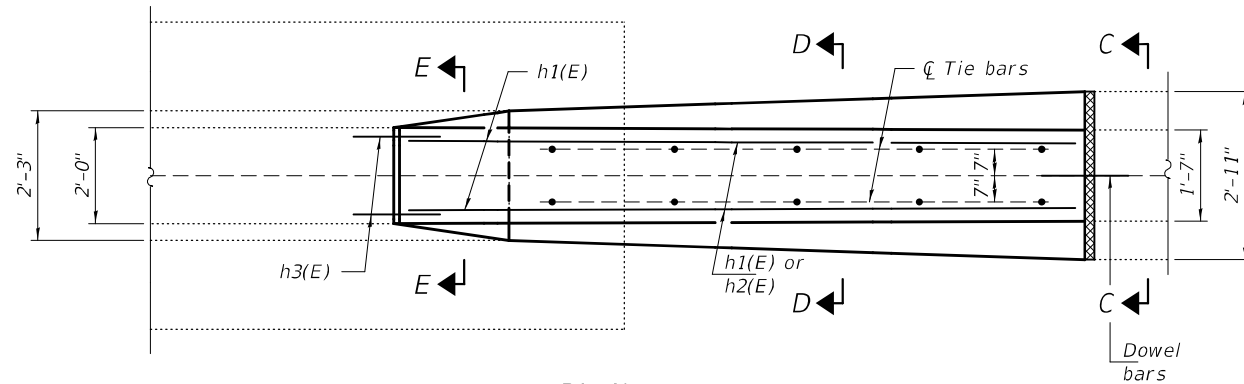
PIER CRASHWALL EXTENSION
SN 028-0022

SHEET NO. 1 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 I-57 Add Lane-4;(28-5) B-3	FRANKLIN	403	223
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

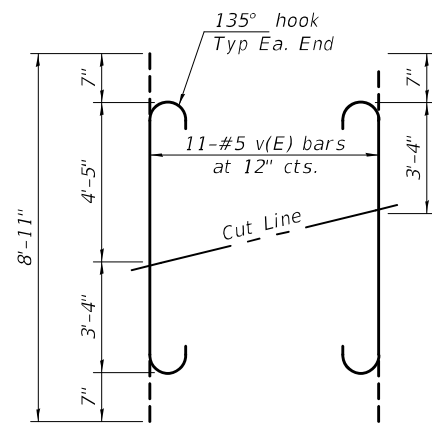


ELEVATION



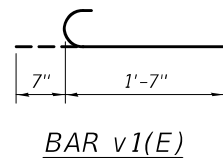
PLAN

* Epoxy grout h3(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

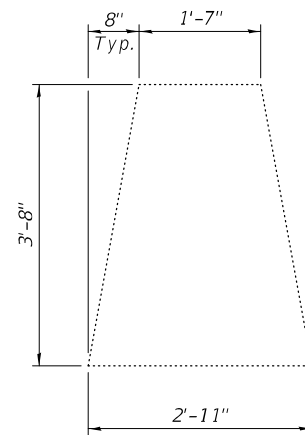


FIELD CUTTING DIAGRAM

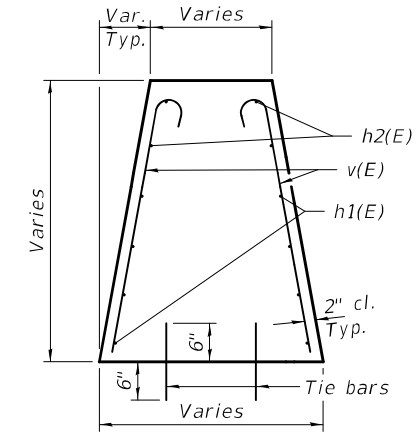
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



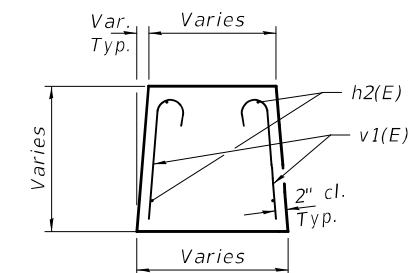
BAR v1(E)



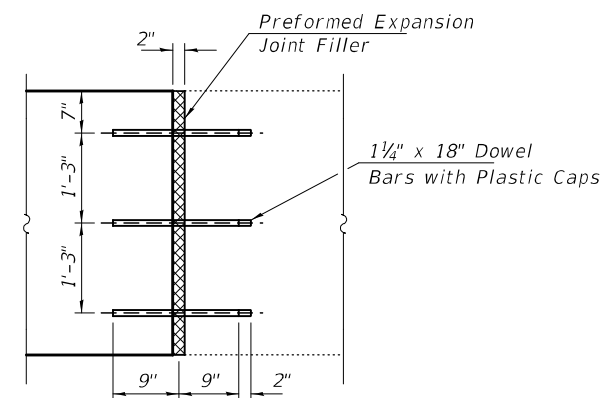
SECTION C-C



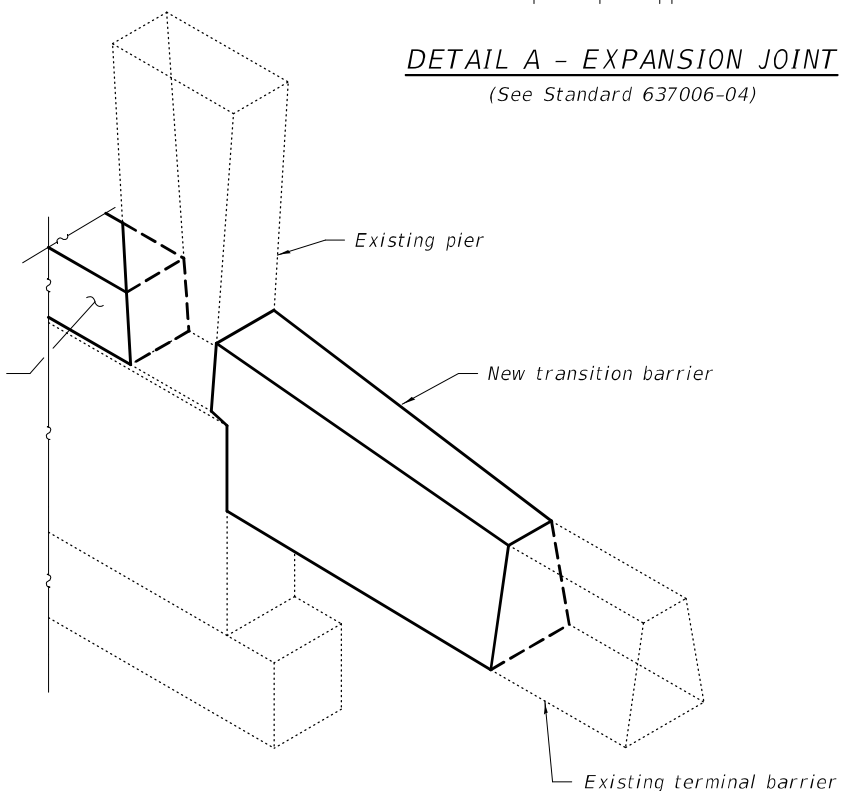
SECTION D-D



SECTION E-E



DETAIL A - EXPANSION JOINT
(See Standard 637006-04)



ISOMETRIC VIEW

Notes:
The cost of tie bars shall be included with Concrete Structures.
The cost of expansion joints shall be included with Concrete Structures.

**BILL OF MATERIAL
(PIER TRANSITIONS)**

Bar	No.	Size	Length	Shape
h1(E)	16	#5	9'-8"	—
h2(E)	8	#5	11'-8"	—
h3(E)	20	#5	2'-0"	—
v(E)	22	#5	8'-11"	⤵
v1(E)	4	#5	2'-2"	⤵
Concrete Structures			Cu. Yd.	7.4
Protective Coat			Sq. Yd.	25
Reinforcement Bars, Epoxy Coated			Pound	510

** Apply to new concrete only.

DESIGNED - VHV
CHECKED - SMR
DRAWN - daburdell
CHECKED - VHV SMR

EXAMINED
PASSED
Timothy A. Dandridge
ENGINEER OF STRUCTURAL SERVICES
Carl R. Ringer
ENGINEER OF BRIDGES AND STRUCTURES

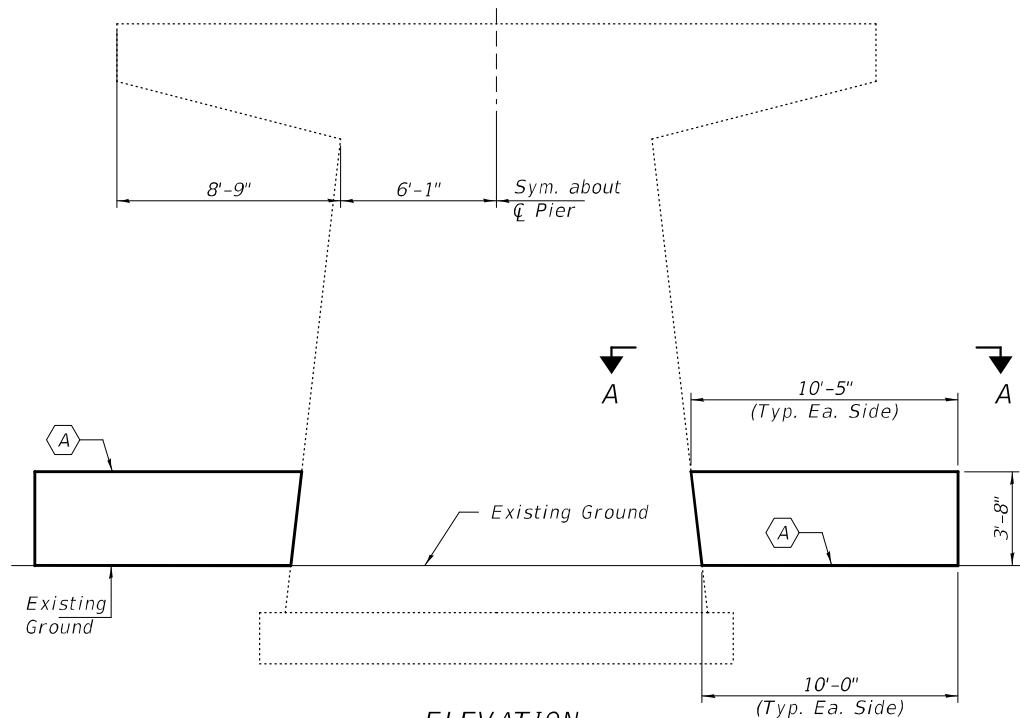
DATE - JUNE 14, 2021
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BARRIER TRANSITION DETAILS
SN 028-0022

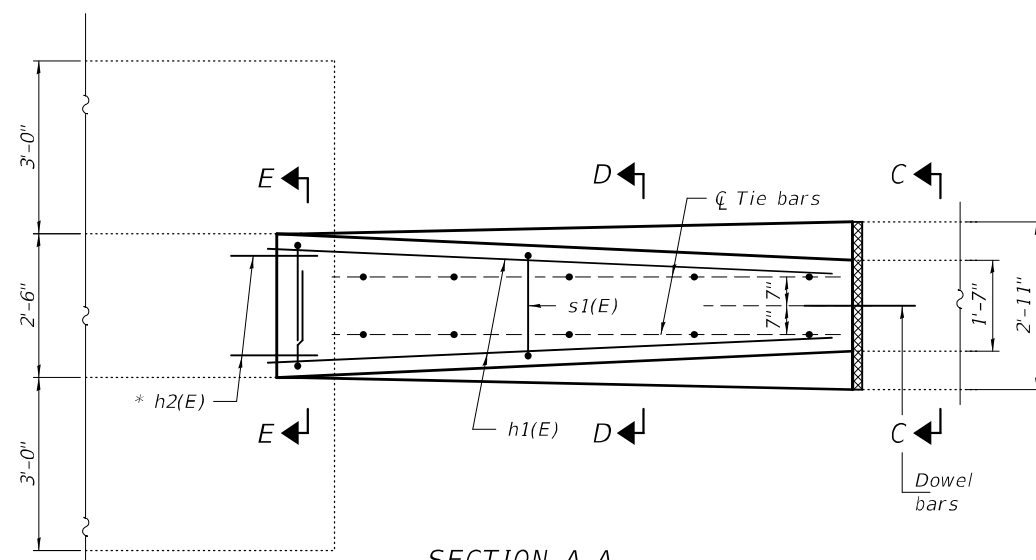
SHEET NO. 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 I-57 Add Lane-4;(28-5) B-3	FRANKLIN	403	224
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				



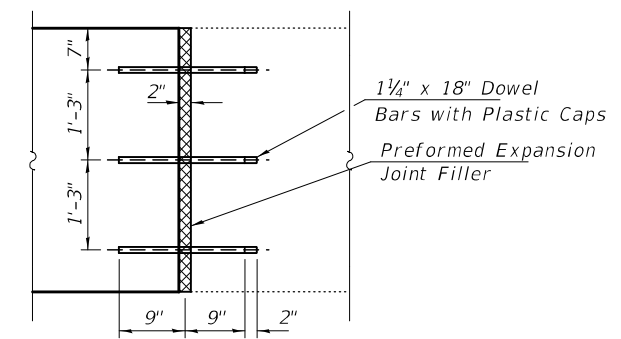
ELEVATION

Ⓐ - Barrier Transition



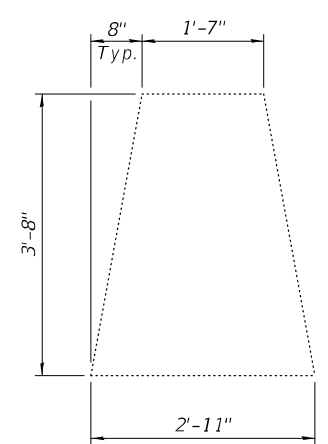
SECTION A-A

* Epoxy grout h2(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

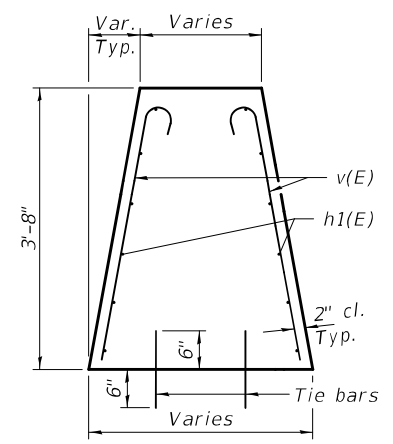


DETAIL A - EXPANSION JOINT

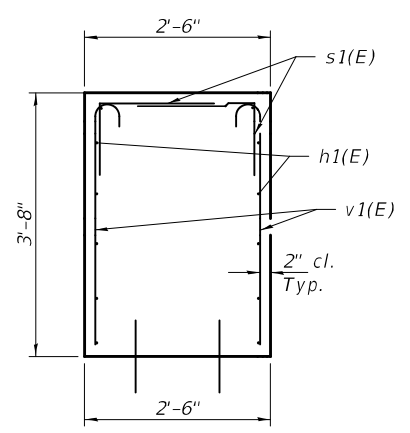
(See Standard 637006-04)



SECTION C-C

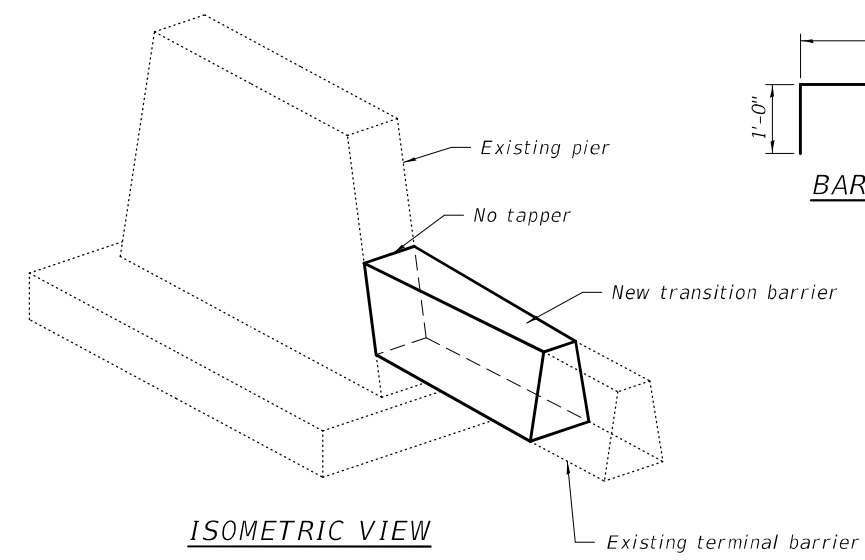


SECTION D-D

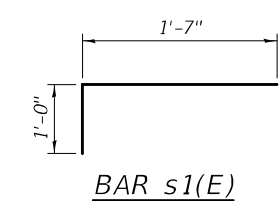


SECTION E-E

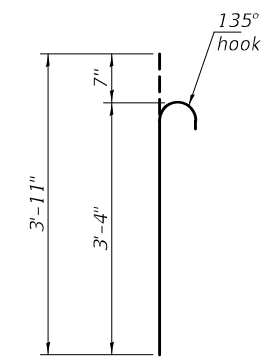
Notes:
The cost of tie bars shall be included with Concrete Structures.
The cost of expansion joints shall be included with Concrete Structures.



ISOMETRIC VIEW



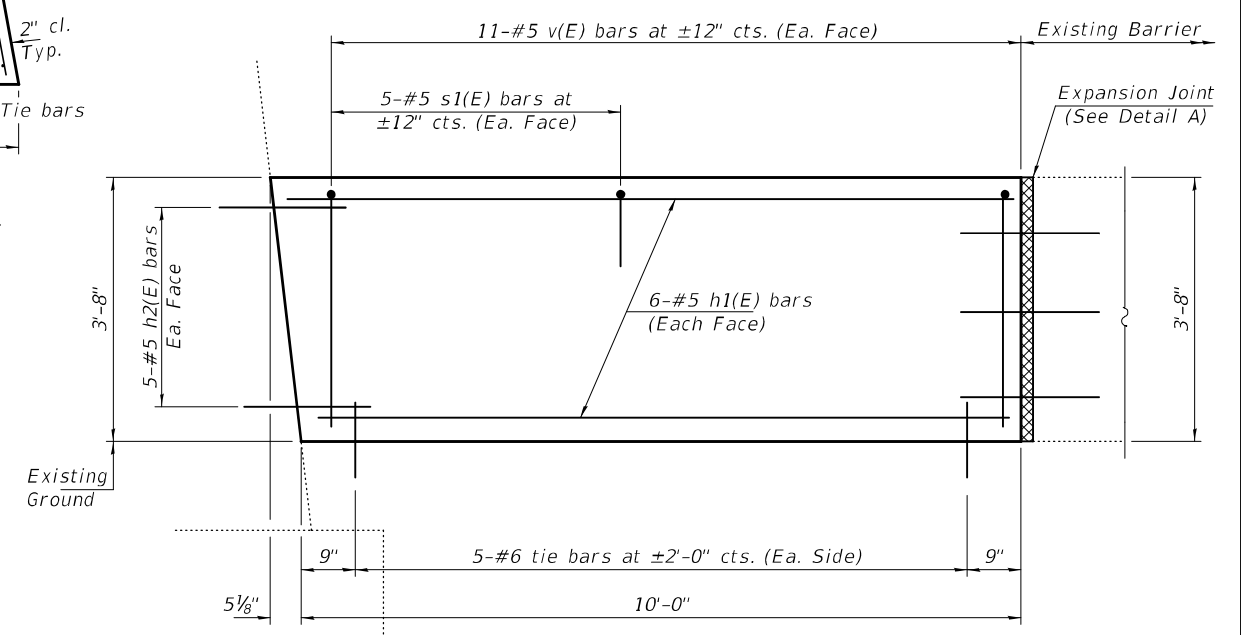
BAR s1(E)



BAR v(E)

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.



ELEVATION

***** TOTAL BILL OF MATERIAL**

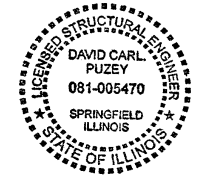
ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	6.6
Protective Coat	Sq. Yd.	22
Reinforcement Bars, Epoxy Coated	Pound	520

*** For information only. (To be paid for as Concrete Barrier, Double Face, 44-Inch Height. See Special Provisions.)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	24	#5	9'-8"	—
h2(E)	20	#5	2'-0"	—
s1(E)	20	#5	2'-7"	┌
v(E)	44	#5	3'-11"	└
Concrete Structures		Cu. Yd.	6.6	
Protective Coat		Sq. Yd.	22	
Reinforcement Bars, Epoxy Coated		Pound	520	

** Apply to new concrete only.



EXPIRES 11-30-2022

DESIGNED - Victor H. Veliz	EXAMINED - <i>Trig A. Beck</i>	DATE - JUNE 14, 2021
CHECKED - Stephen M. Ryan	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Ramana Reddy V	PASSED - <i>Dr. Carl Payne</i>	REVISER -
CHECKED - VHV SMR	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

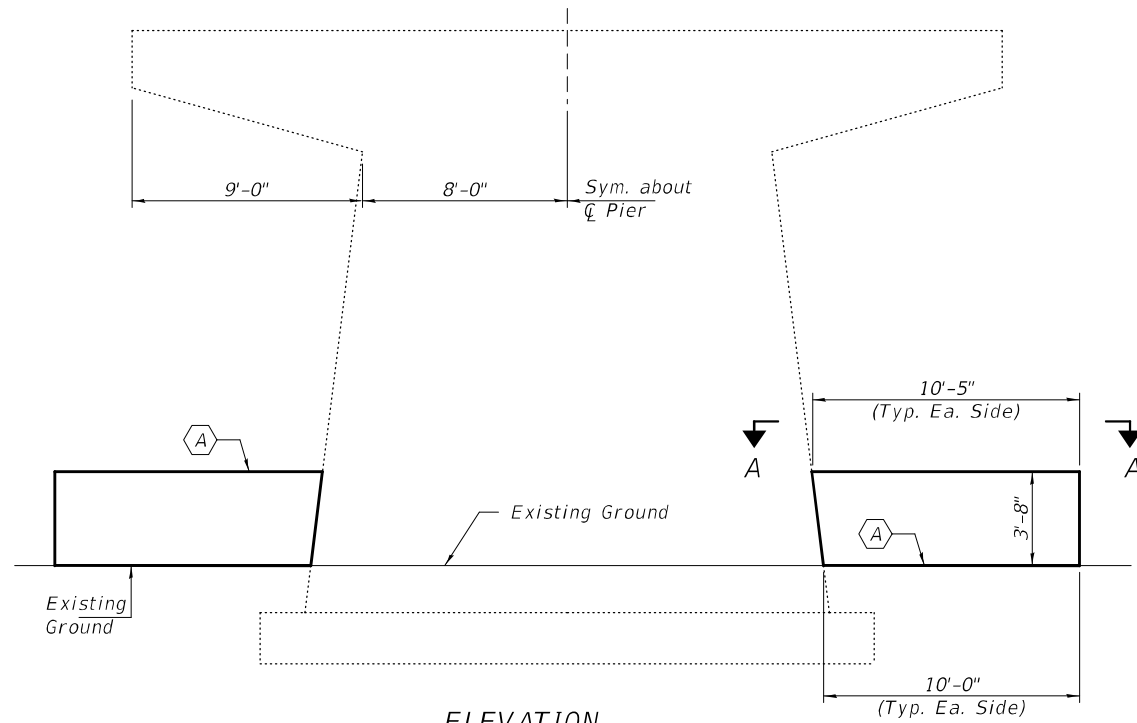
**BARRIER TRANSITION DETAILS - PIER 2
SN 028 - 0054**

SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 I-57 Add Lane-4;(28-5) B-3	FRANKLIN	403	225
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

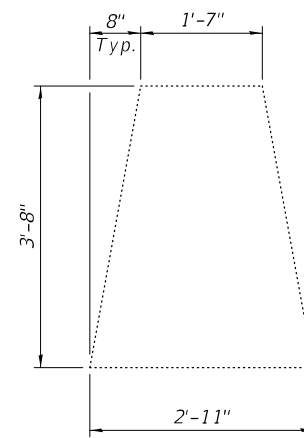
GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.

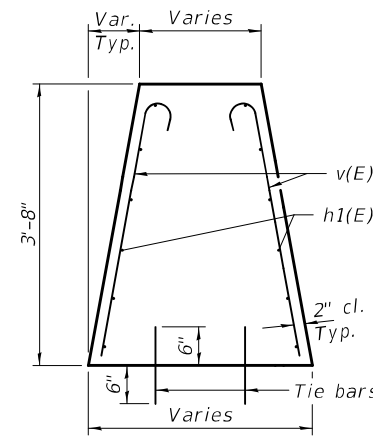


ELEVATION

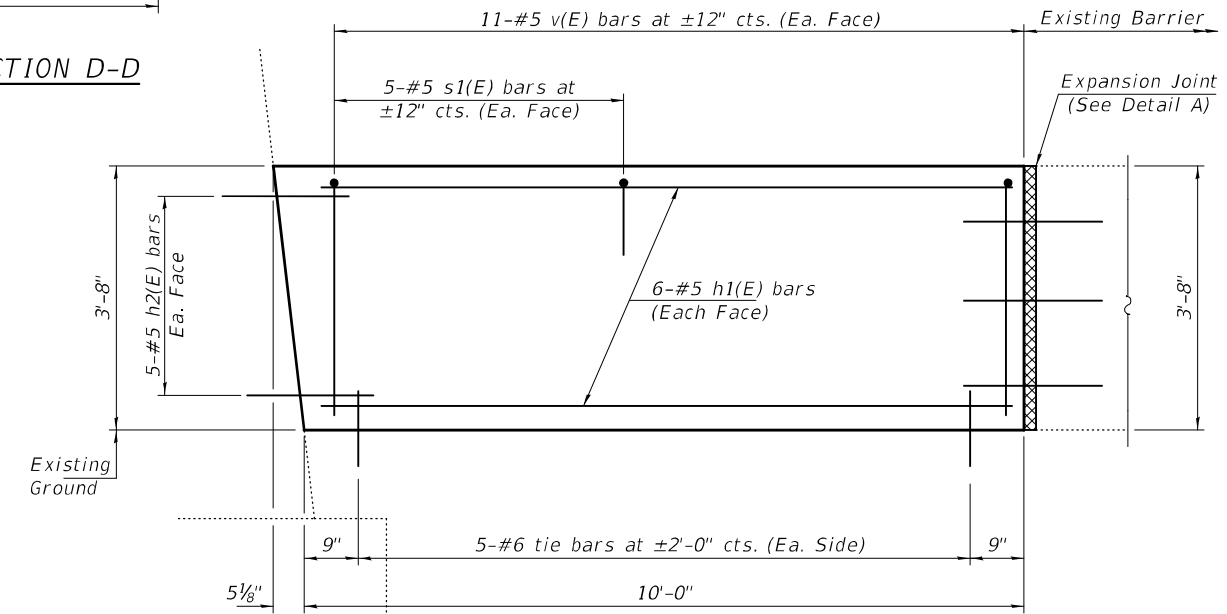
(A) - Barrier Transition



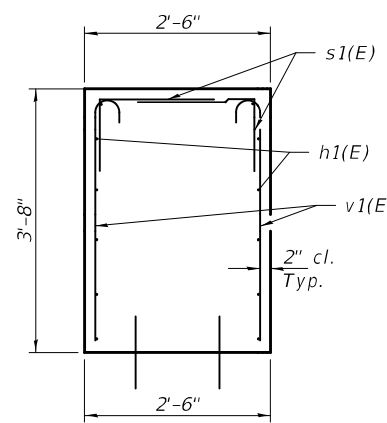
SECTION C-C



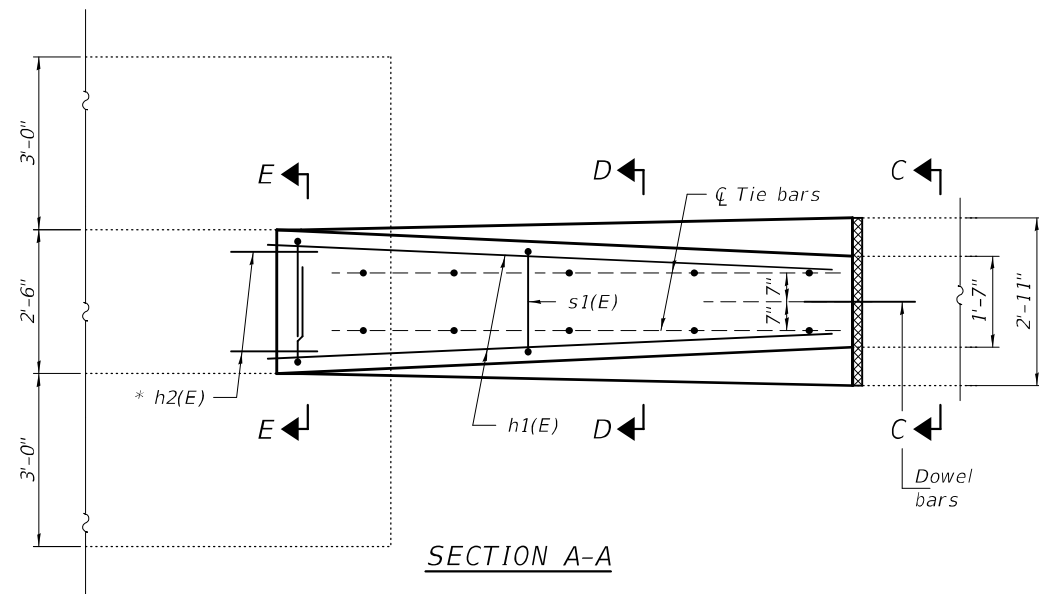
SECTION D-D



ELEVATION



SECTION E-E



SECTION A-A

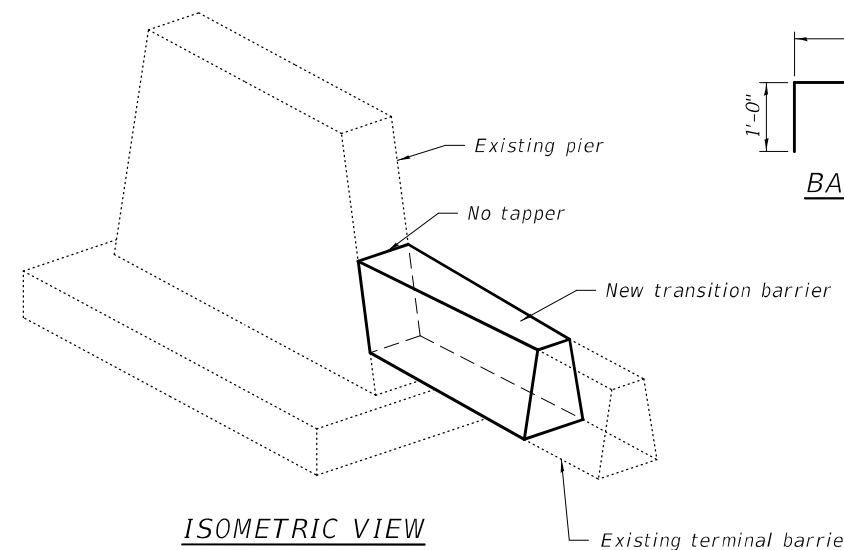
* Epoxy grout h2(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

Notes:
The cost of tie bars shall be included with Concrete Structures.
The cost of expansion joints shall be included with Concrete Structures.

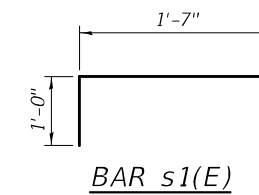
***** TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	6.6
Protective Coat	Sq. Yd.	22
Reinforcement Bars, Epoxy Coated	Pound	520

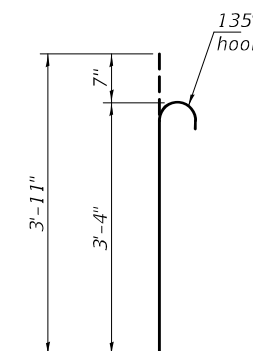
*** For information only. (To be paid for as Concrete Barrier, Double Face, 44-Inch Height. See Special Provisions.)



ISOMETRIC VIEW



BAR s1(E)



BAR v(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	24	#5	9'-8"	—
h2(E)	20	#5	2'-0"	—
s1(E)	20	#5	2'-7"	┌
v(E)	44	#5	3'-11"	┌
Concrete Structures		Cu. Yd.	6.6	
Protective Coat		Sq. Yd.	22	
Reinforcement Bars, Epoxy Coated		Pound	520	

** Apply to new concrete only.



DETAIL A - EXPANSION JOINT

(See Standard 637006-04)

EXPIRES 11-30-2022

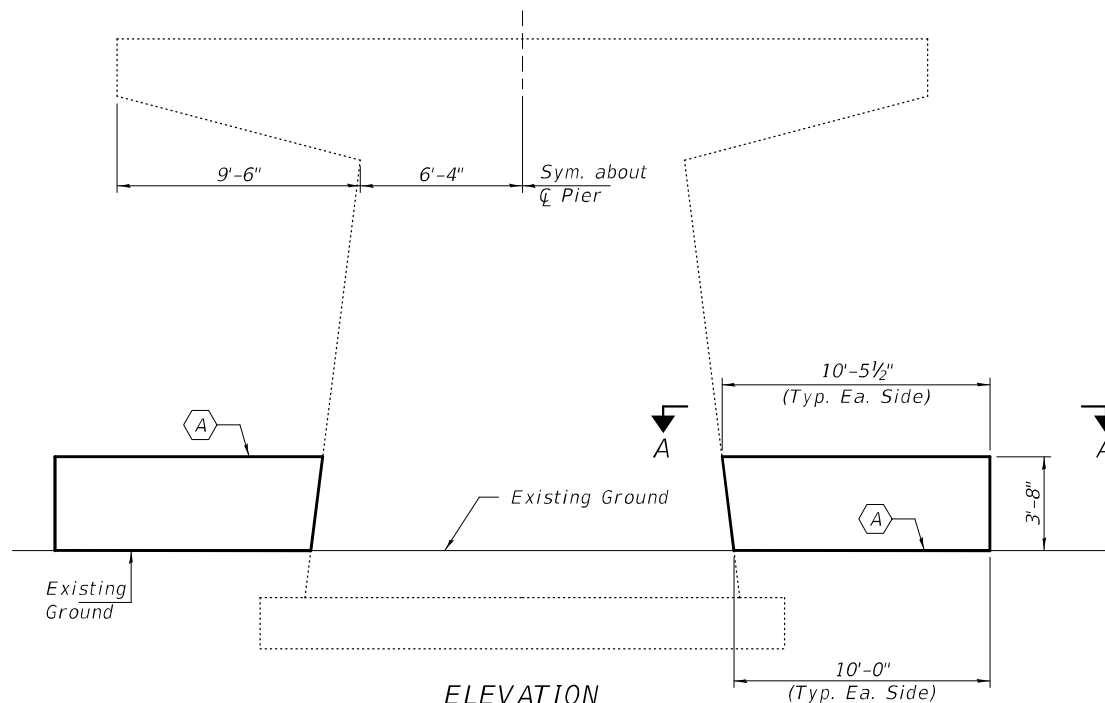
DESIGNED - Victor H. Veliz	EXAMINED - <i>Tracy A. D... ENGINEER OF STRUCTURAL SERVICES</i>	DATE - JUNE 14, 2021
CHECKED - Stephen M. Ryan	PASSED - <i>Dr. Carl Puzey ENGINEER OF BRIDGES AND STRUCTURES</i>	REVISED -
DRAWN - Venkat Ramana Reddy V		REVISED -
CHECKED - VHV SMR		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BARRIER TRANSITION DETAILS - PIER 2
SN 028 - 0057**

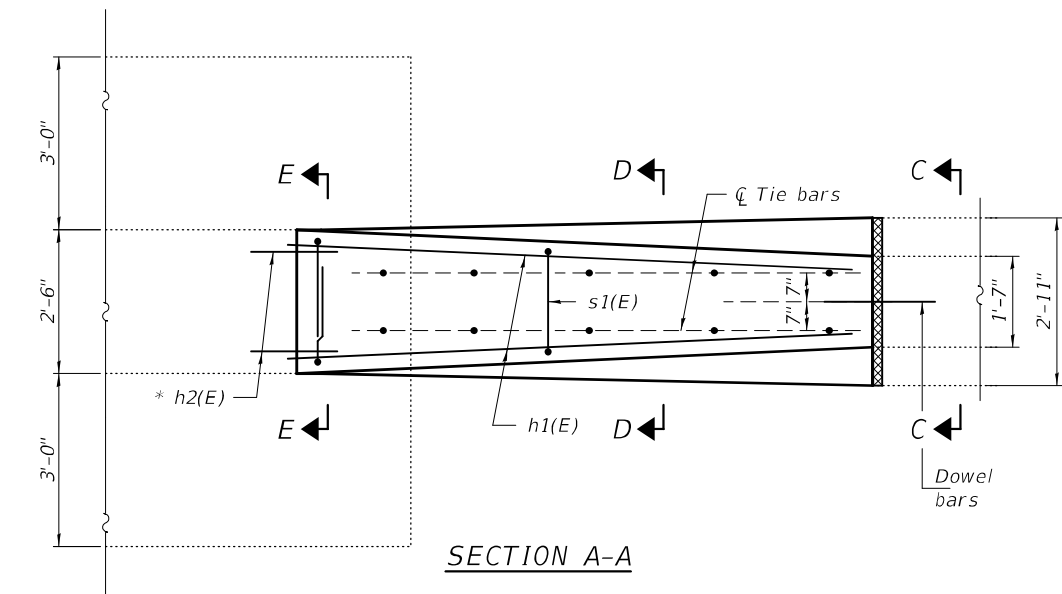
SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 I-57 Add Lane-4;(28-5) B-3	FRANKLIN	403	228
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				



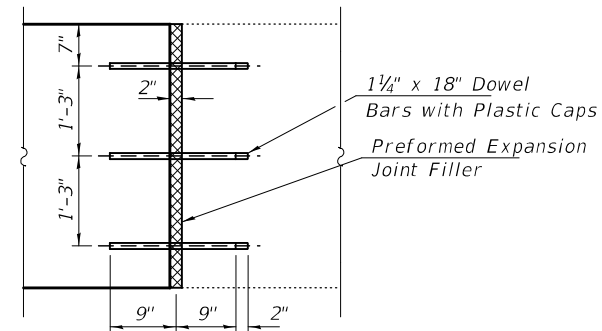
ELEVATION

Ⓐ - Barrier Transition



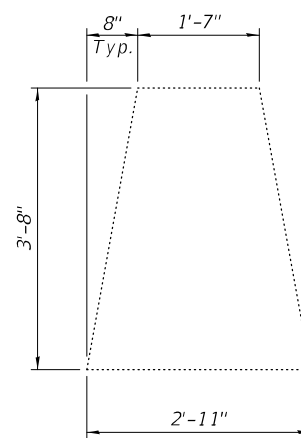
SECTION A-A

* Epoxy grout h2(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

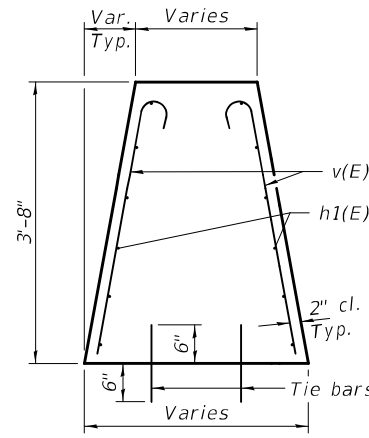


DETAIL A - EXPANSION JOINT

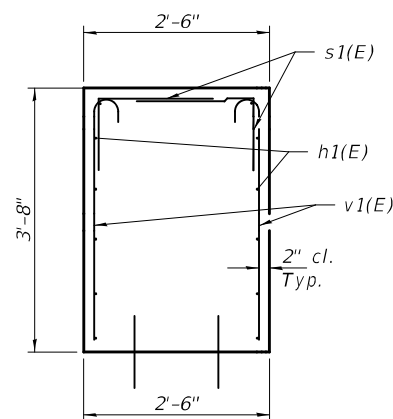
(See Standard 637006-04)



SECTION C-C

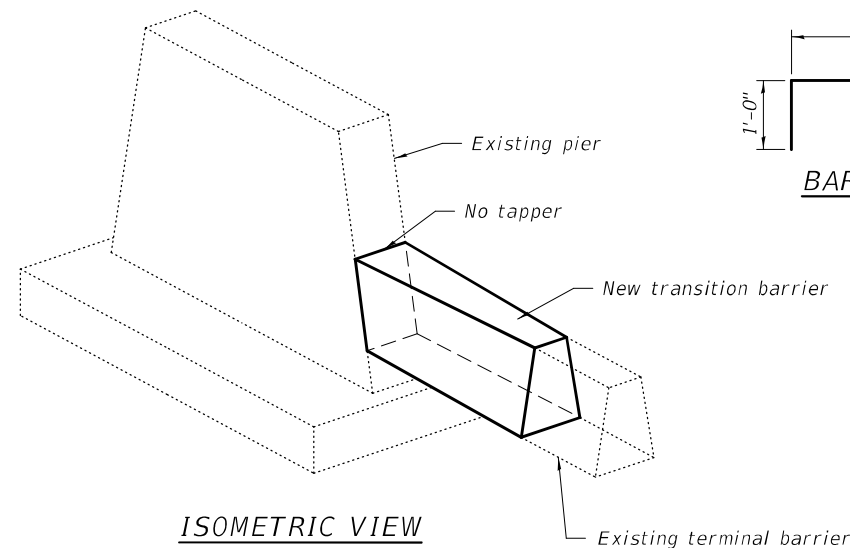


SECTION D-D

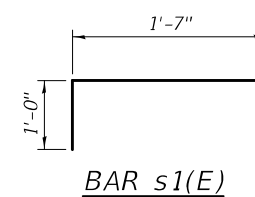


SECTION E-E

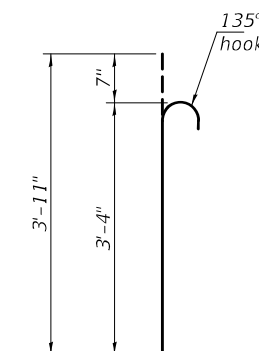
Notes:
The cost of tie bars shall be included with Concrete Structures.
The cost of expansion joints shall be included with Concrete Structures.



ISOMETRIC VIEW

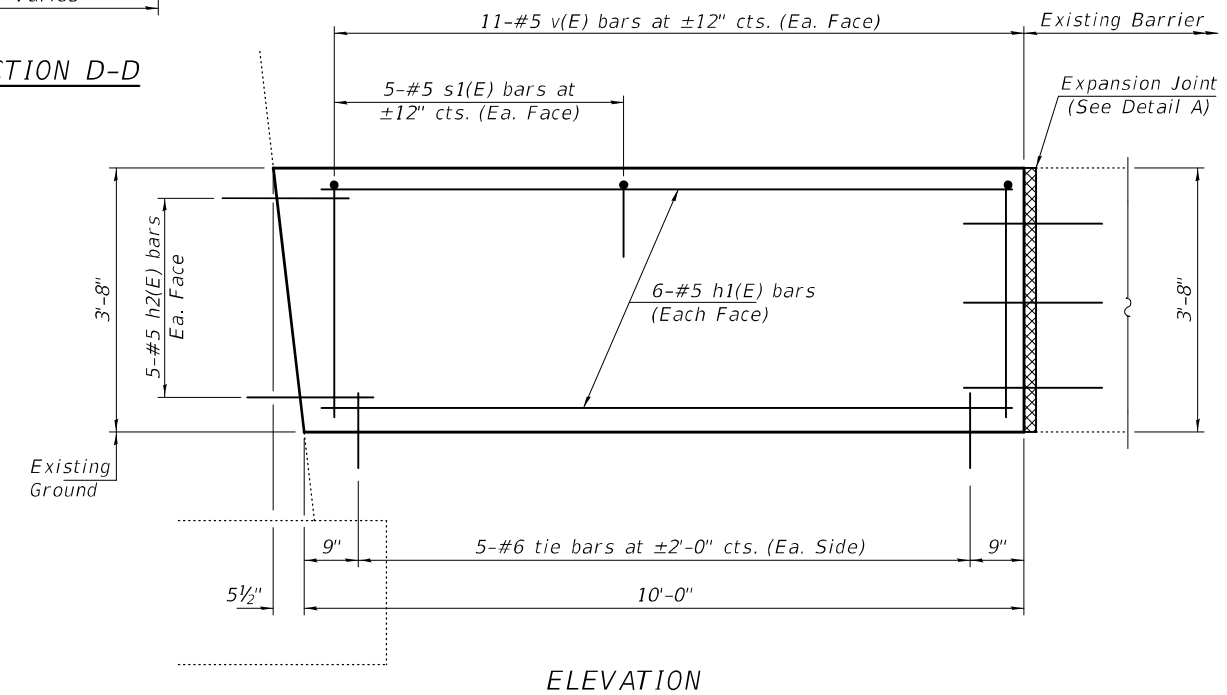


BAR s1(E)



BAR v(E)

GENERAL NOTES
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.



ELEVATION

***** TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	6.6
Protective Coat	Sq. Yd.	22
Reinforcement Bars, Epoxy Coated	Pound	520

*** For information only. (To be paid for as Concrete Barrier, Double Face, 44-Inch Height. See Special Provisions.)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	24	#5	9'-8"	—
h2(E)	20	#5	2'-0"	—
s1(E)	20	#5	2'-7"	┌
v(E)	44	#5	3'-11"	┌
Concrete Structures		Cu. Yd.		6.6
Protective Coat		Sq. Yd.		22
Reinforcement Bars, Epoxy Coated		Pound		520

** Apply to new concrete only.



EXPIRES 11-30-2022

DESIGNED - Victor H. Veliz
CHECKED - Stephen M. Ryan
DRAWN - Venkat Ramana Reddy V
CHECKED - VHV SMR

EXAMINED - *Tracy A. Deitz*
ENGINEER OF STRUCTURAL SERVICES
PASSED - *David Carl Puzey*
ENGINEER OF BRIDGES AND STRUCTURES

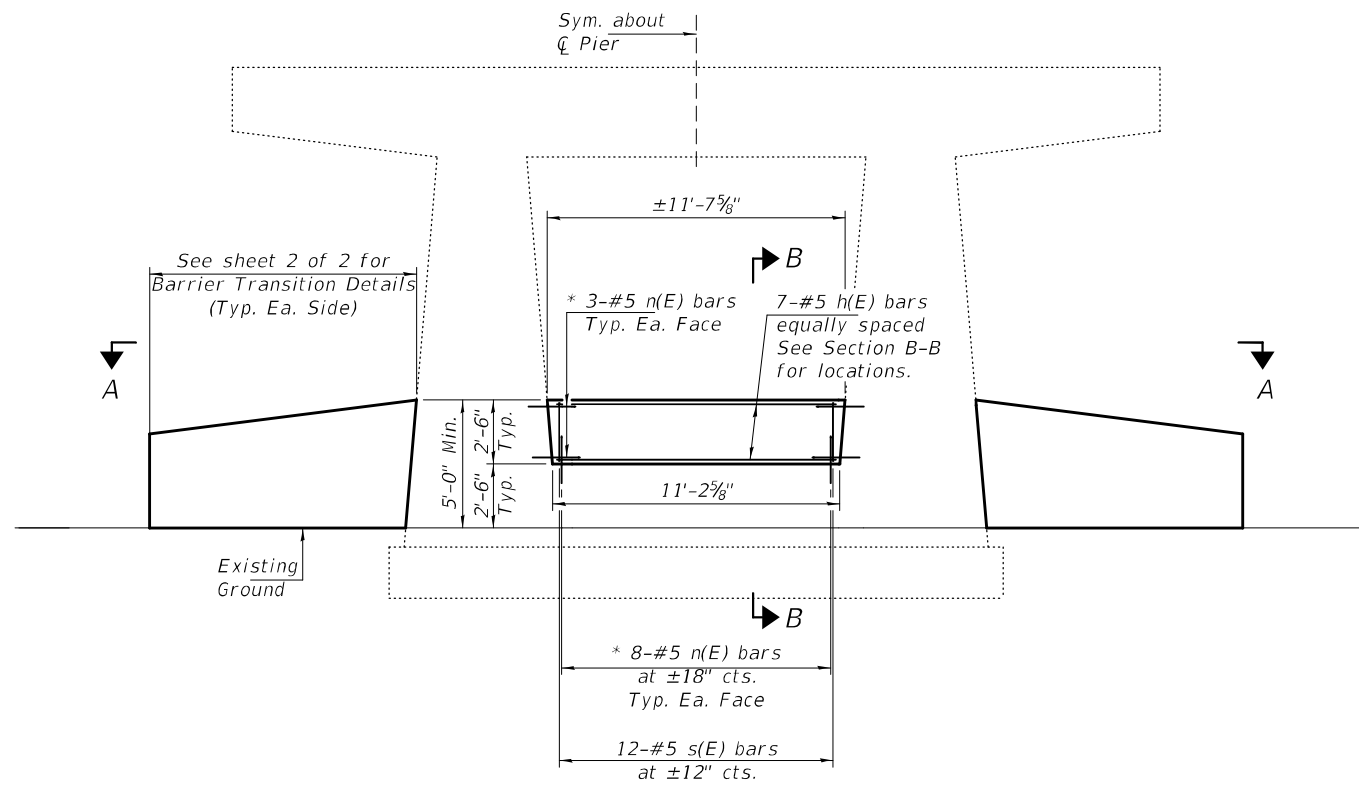
DATE - JUNE 14, 2021
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

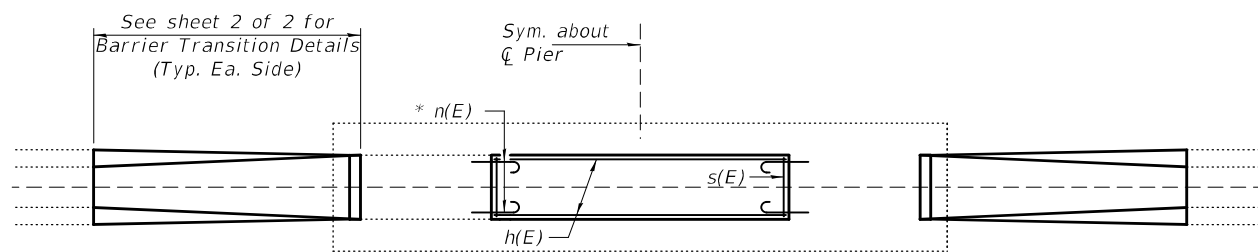
**BARRIER TRANSITION DETAILS - PIER 2
SN 028 - 0062**

SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 I-57 Add Lane-4;(28-5) B-3	FRANKLIN	403	227
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				



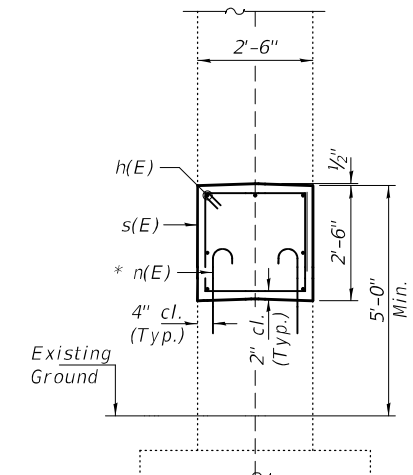
ELEVATION



SECTION A-A

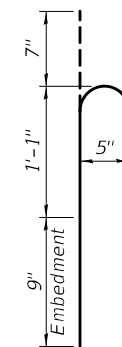
GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.

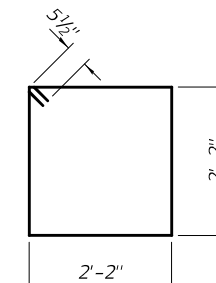


SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



BAR n(E)



BAR s(E)

*****TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	10.4
Protective Coat	Sq. Yd.	34
Reinforcement Bars, Epoxy Coated	Pound	780

*** For information only. (To be paid for as Concrete Barrier, Double Face, 44-Inch Height. See Special Provisions.)

**BILL OF MATERIAL
(CRASHWALL EXTENSIONS)**

Bar	No.	Size	Length	Shape
h(E)	7	#5	10'-11"	—
n(E)	22	#5	2'-5"	⌋
s(E)	12	#5	9'-5"	□
Concrete Structures			Cu. Yd.	2.6
Protective Coat			Sq. Yd.	10
Reinforcement Bars, Epoxy Coated			Pound	240

** Apply to new concrete only.



EXPIRES 11-30-2022

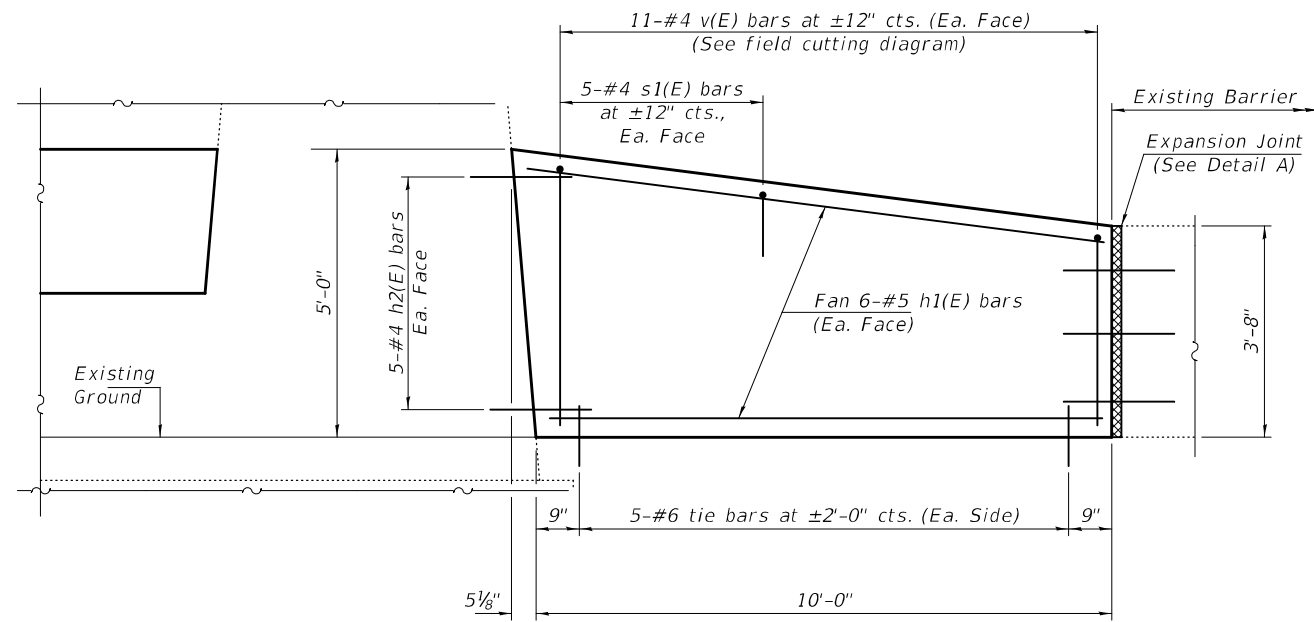
DESIGNED - Victor H. Veliz	EXAMINED - <i>Ting A. Deck</i>	DATE - JUNE 14, 2021
CHECKED - Stephen M. Ryan	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - daburdell	PASSED - <i>David Carl Puzey</i>	REVISED -
CHECKED - VHV SMR	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

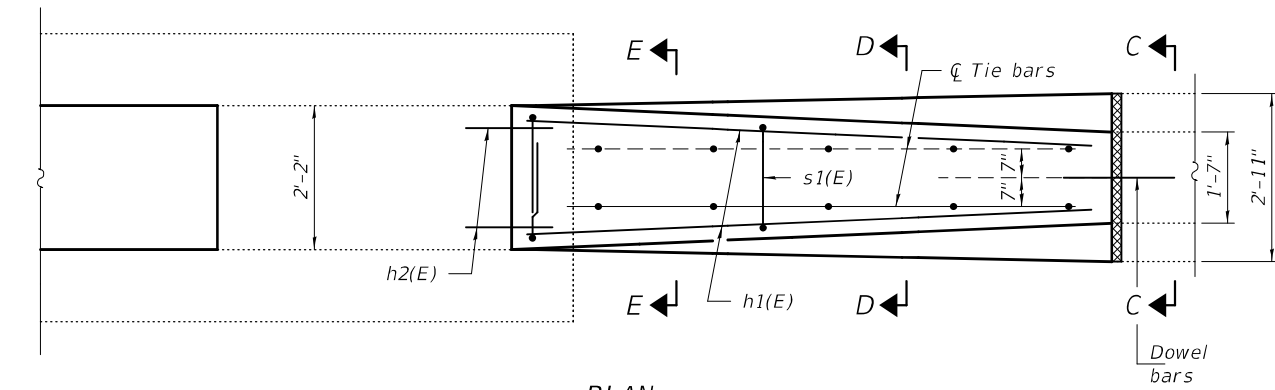
**PIER CRASHWALL EXTENSION
SN 028-0063**

SHEET NO. 1 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 I-57 Add Lane-4;(28-5) B-3	FRANKLIN	403	228
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

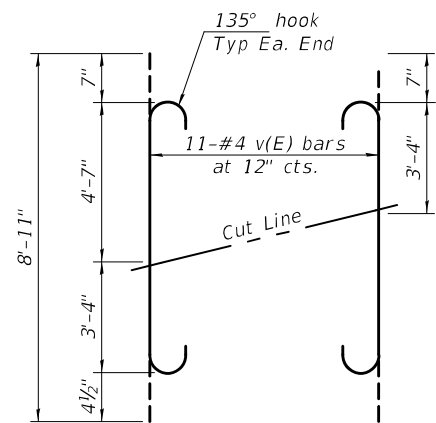


ELEVATION



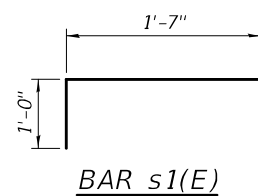
PLAN

* Epoxy grout h2(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

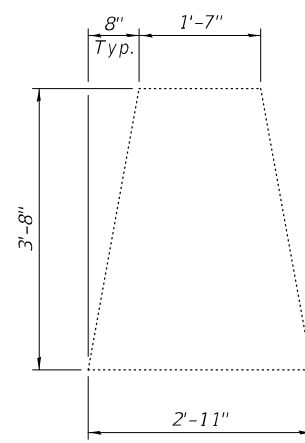


FIELD CUTTING DIAGRAM

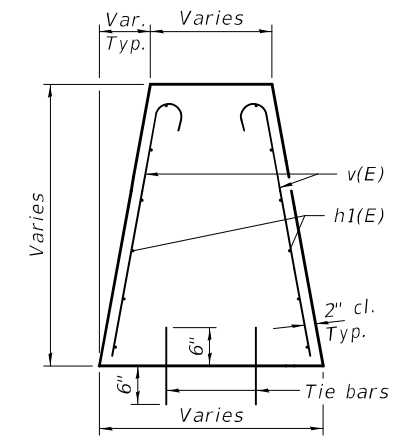
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



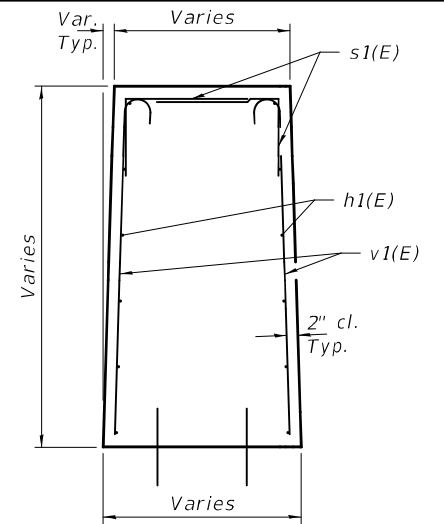
BAR s1(E)



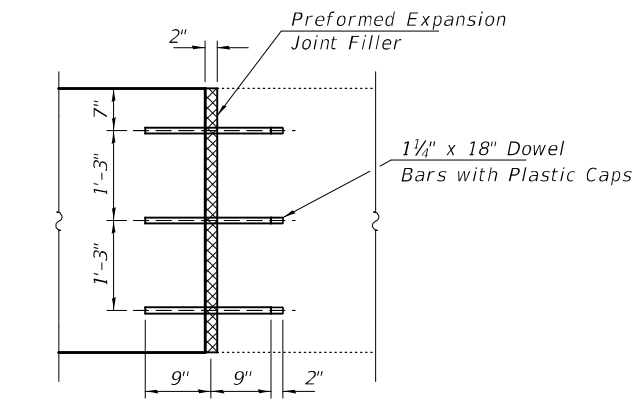
SECTION C-C



SECTION D-D

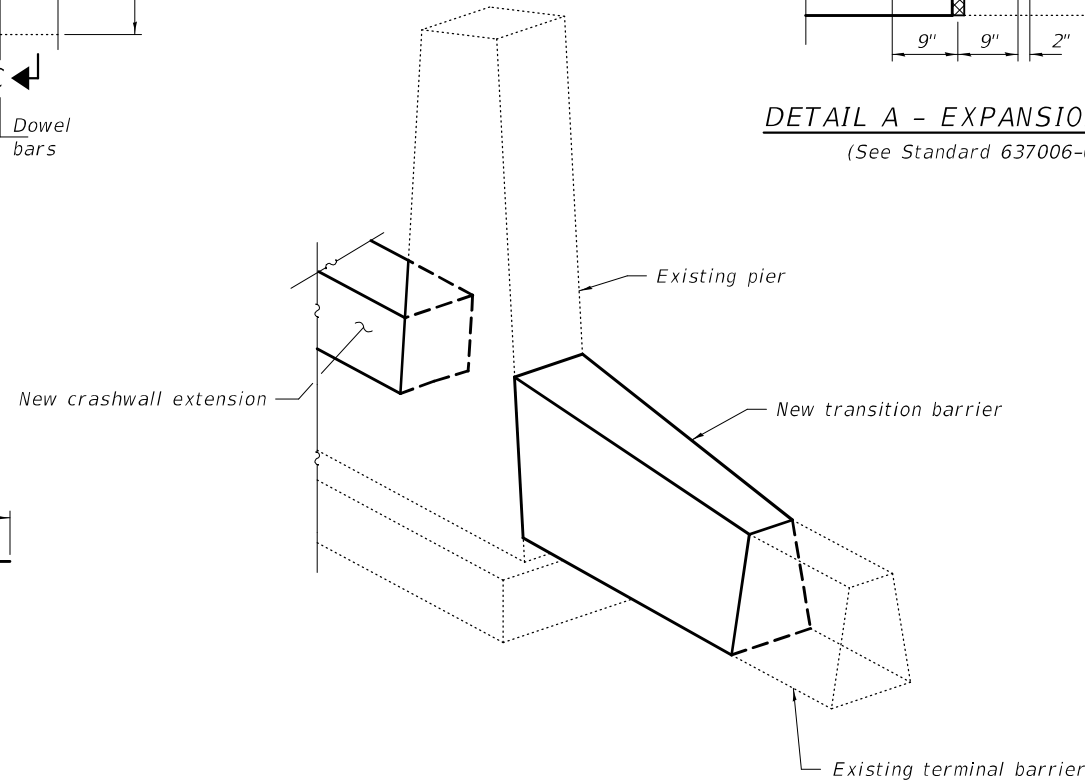


SECTION E-E



DETAIL A - EXPANSION JOINT

(See Standard 637006-04)



ISOMETRIC VIEW

Notes:
The cost of tie bars shall be included with Concrete Structures.
The cost of expansion joints shall be included with Concrete Structures.

**BILL OF MATERIAL
(PIER TRANSITIONS)**

Bar	No.	Size	Length	Shape
h1(E)	24	#5	9'-8"	—
h2(E)	20	#5	2'-0"	—
s1(E)	20	#5	2'-7"	┌
v(E)	22	#5	8'-11"	┌
Concrete Structures			Cu. Yd.	7.8
Protective Coat			Sq. Yd.	24
Reinforcement Bars, Epoxy Coated			Pound	540

** Apply to new concrete only.

DESIGNED - VHV
CHECKED - SMR
DRAWN - daburdell
CHECKED - VHV SMR

EXAMINED
PASSED
Timothy A. Doolittle
ENGINEER OF STRUCTURAL SERVICES
Carl R. Ringer
ENGINEER OF BRIDGES AND STRUCTURES

DATE - JUNE 14, 2021
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

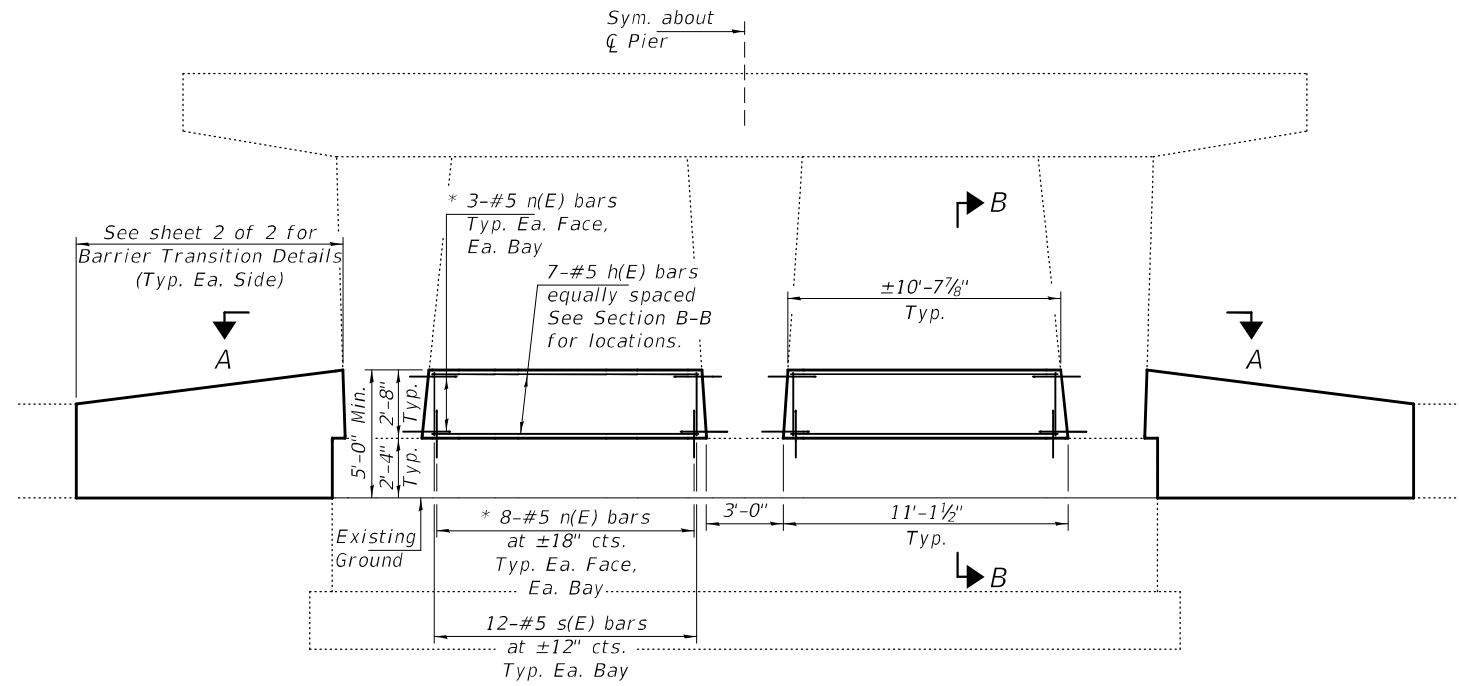
BARRIER TRANSITION DETAILS
SN 028-0063

SHEET NO. 2 OF 2 SHEETS

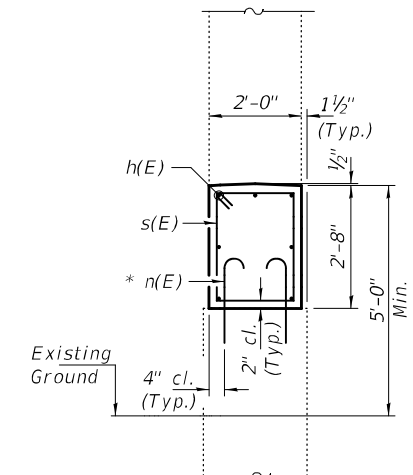
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 I-57 Add Lane-4;(28-5) B-3	FRANKLIN	403	229
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.

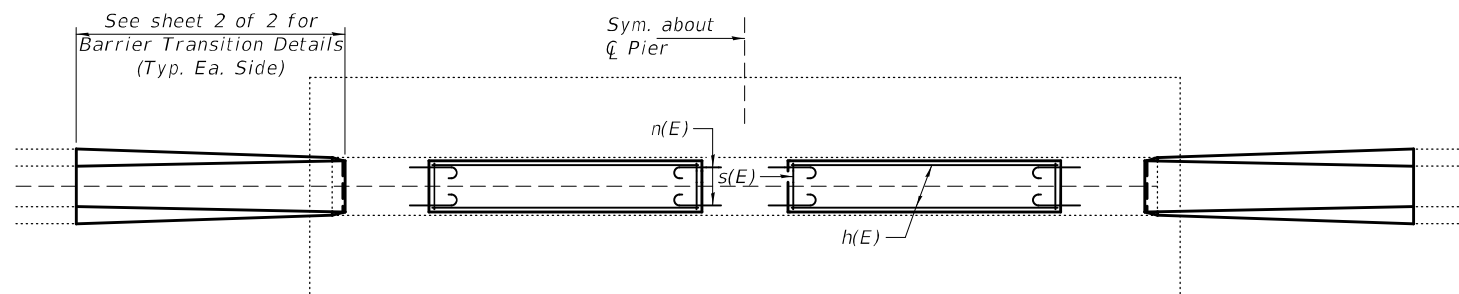


ELEVATION

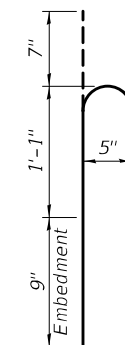


SECTION B-B

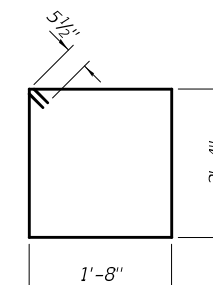
* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



SECTION A-A



BAR n(E)



BAR s(E)

*****TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	11.5
Protective Coat	Sq. Yd.	28
Reinforcement Bars, Epoxy Coated	Pound	1140

*** For information only. (To be paid for as Concrete Barrier, Double Face, 44-Inch Height. See Special Provisions.)

BILL OF MATERIAL (CRASHWALL EXTENSIONS)

Bar	No.	Size	Length	Shape
h(E)	14	#5	10'-4"	—
n(E)	56	#5	2'-5"	⌋
s(E)	24	#5	8'-11"	□
Concrete Structures			Cu. Yd.	4.3
Protective Coat			Sq. Yd.	18
Reinforcement Bars, Epoxy Coated			Pound	520

** Apply to new concrete only.



EXPIRES 11-30-2022

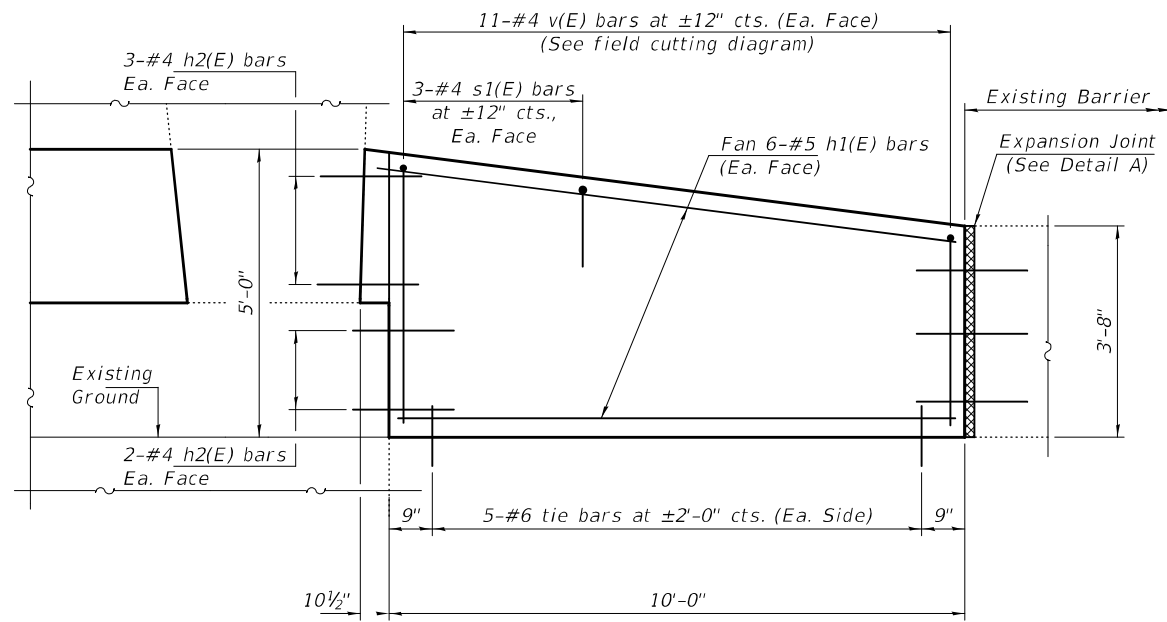
DESIGNED - Victor H. Veliz	EXAMINED - <i>Tim A. Beck</i>	DATE - JUNE 14, 2021
CHECKED - Stephen M. Ryan	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - daburdell	PASSED - <i>David Carl Puzey</i>	REVISED -
CHECKED - VHV SMR	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

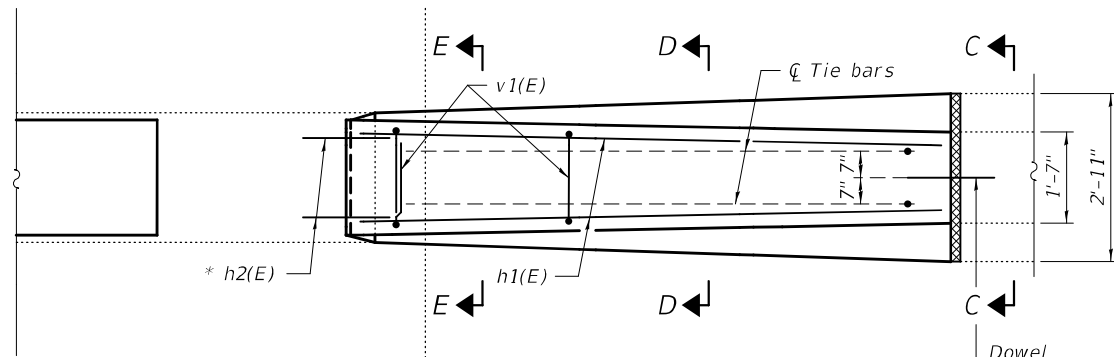
**PIER CRASHWALL EXTENSION
SN 028-0064**

SHEET NO. 1 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

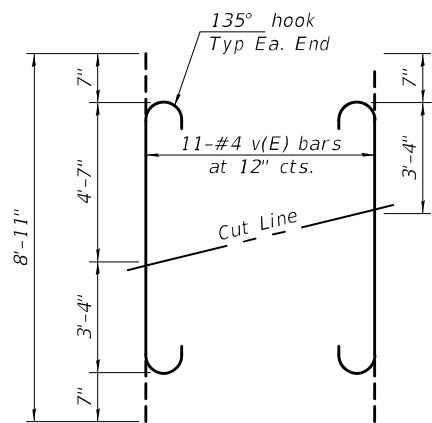


ELEVATION



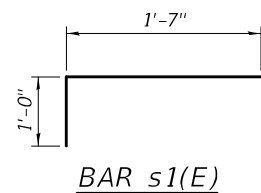
PLAN

* Epoxy grout h2(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

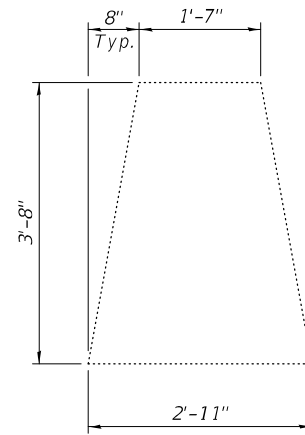


FIELD CUTTING DIAGRAM

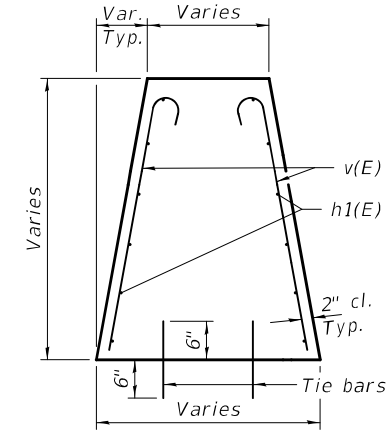
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



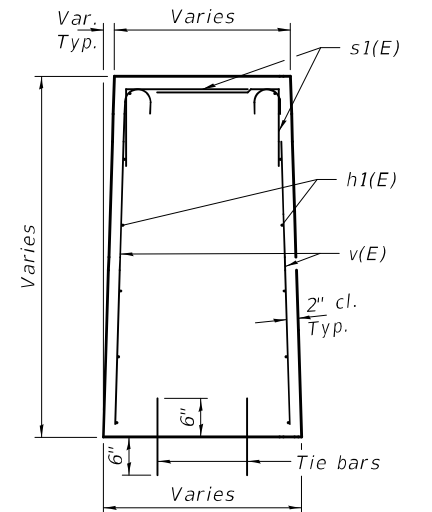
BAR s1(E)



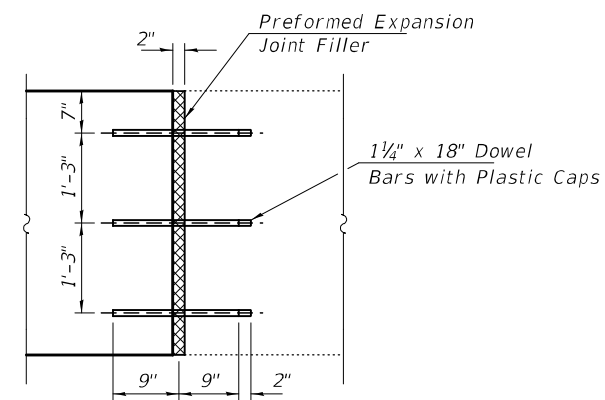
SECTION C-C



SECTION D-D

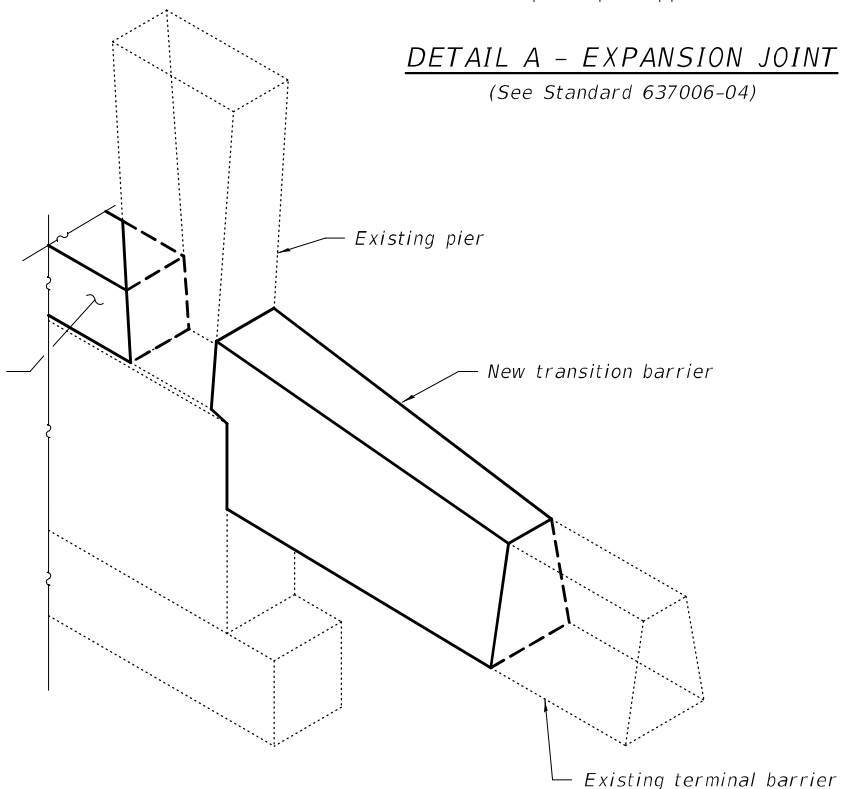


SECTION E-E



DETAIL A - EXPANSION JOINT

(See Standard 637006-04)



ISOMETRIC VIEW

Notes:
The cost of tie bars shall be included with Concrete Structures.
The cost of expansion joints shall be included with Concrete Structures.

BILL OF MATERIAL
(PIER TRANSITIONS)

Bar	No.	Size	Length	Shape
h1(E)	24	#5	9'-8"	—
h2(E)	20	#5	2'-0"	—
s1(E)	12	#5	2'-7"	┌
v(E)	22	#5	8'-11"	┌
Concrete Structures			Cu. Yd.	7.2
Protective Coat			Sq. Yd.	10
Reinforcement Bars, Epoxy Coated			Pound	520

** Apply to new concrete only.

DESIGNED - VHV
CHECKED - SMR
DRAWN - daburdell
CHECKED - VHV SMR

EXAMINED
PASSED
Timothy A. [Signature]
ENGINEER OF STRUCTURAL SERVICES
Carl [Signature]
ENGINEER OF BRIDGES AND STRUCTURES

DATE - JUNE 14, 2021
REVISED -
REVISED -

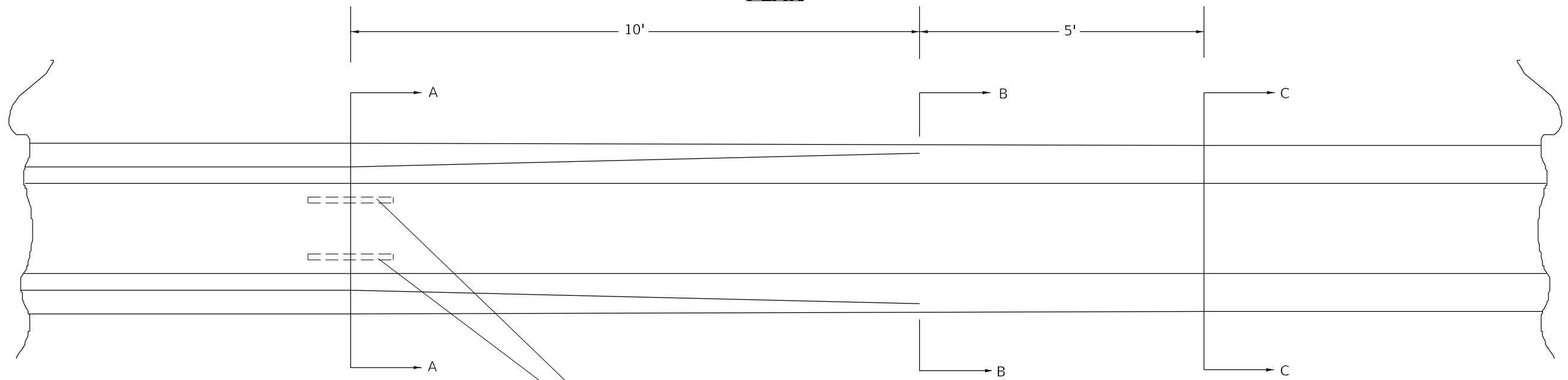
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BARRIER TRANSITION DETAILS
SN 028-0064

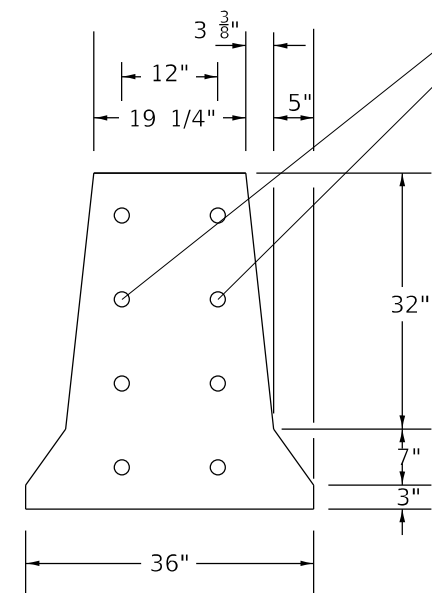
SHEET NO. 2 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

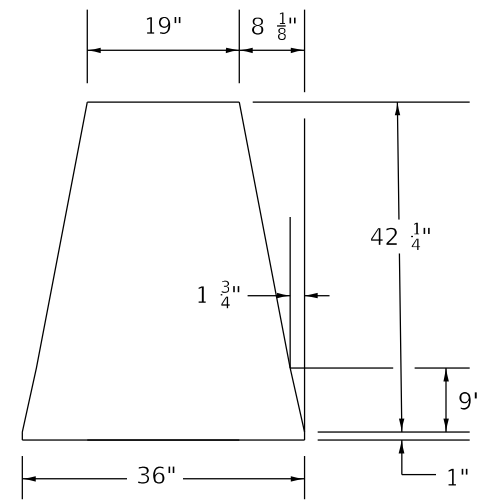
PLAN



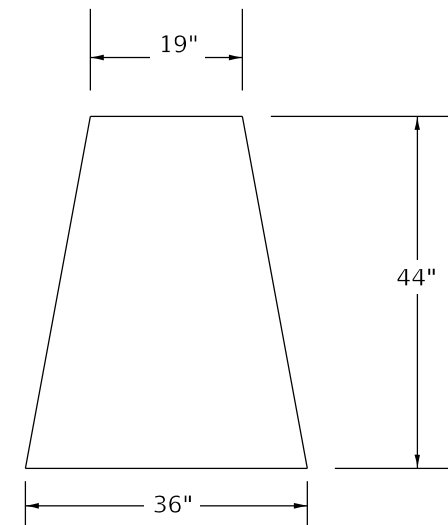
1 1/4" X 18" DOWEL BARS @ 11" C-C VERTICALLY
 DRILL EXISTING BARRIER AND SECURE
 WITH CHEMICAL ADHESIVE



SECTION A-A
 (CONSTRUCTION JOINT AT
 END OF APPROACH SLAB)



SECTION B-B
 TRANSITION FROM 42" DOUBLE SIDE
 F-SHAPE TO 44" DOUBLE SIDE
 SINGLE SLOPE



SECTION C-C
 (CONTRACTION JOINT AS NEEDED)
 FOUNDATION ANCHORING ACCORDING TO
 CONCRETE BARRIER DOUBLE FACE (637006)

TO BE USED:
STA 503 + 35 TO STA 503 + 58
STA 528 + 50 TO STA 528 + 65

MODEL: 31 Barrier Transition
 FILE NAME: p:\p\barriortransition\Documents\DOT Office\District 9\Project\78656\ORPCAD\Drawings\ORD\ORD-0978656-Details.dgn

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PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

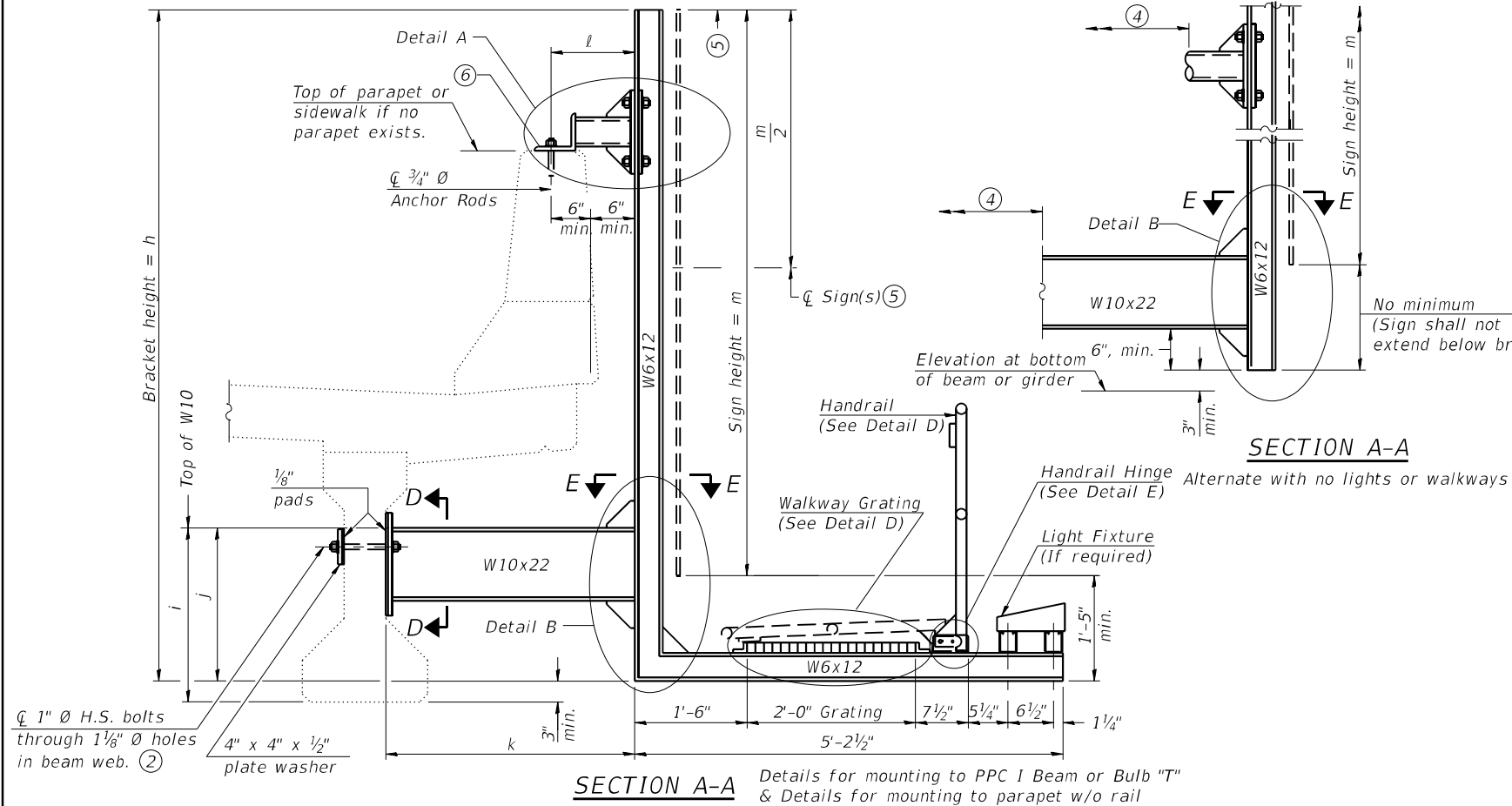
SN 028-008182
BARRIER TRANSITION DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

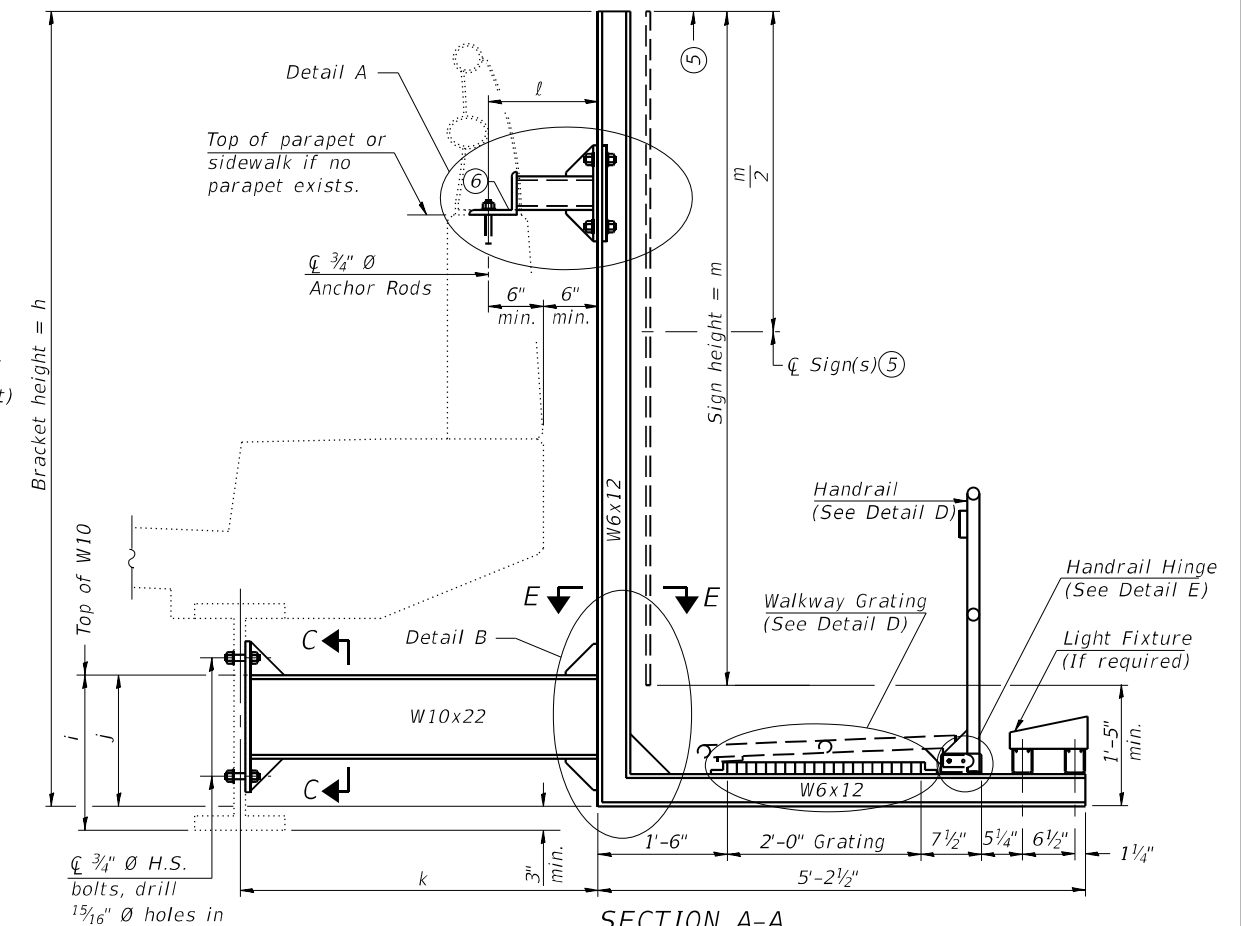
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	236
CONTRACT NO. 78656				

ILLINOIS FED. AID PROJECT
 *D9 I-57 Add Lane-4;(28-5)B-3

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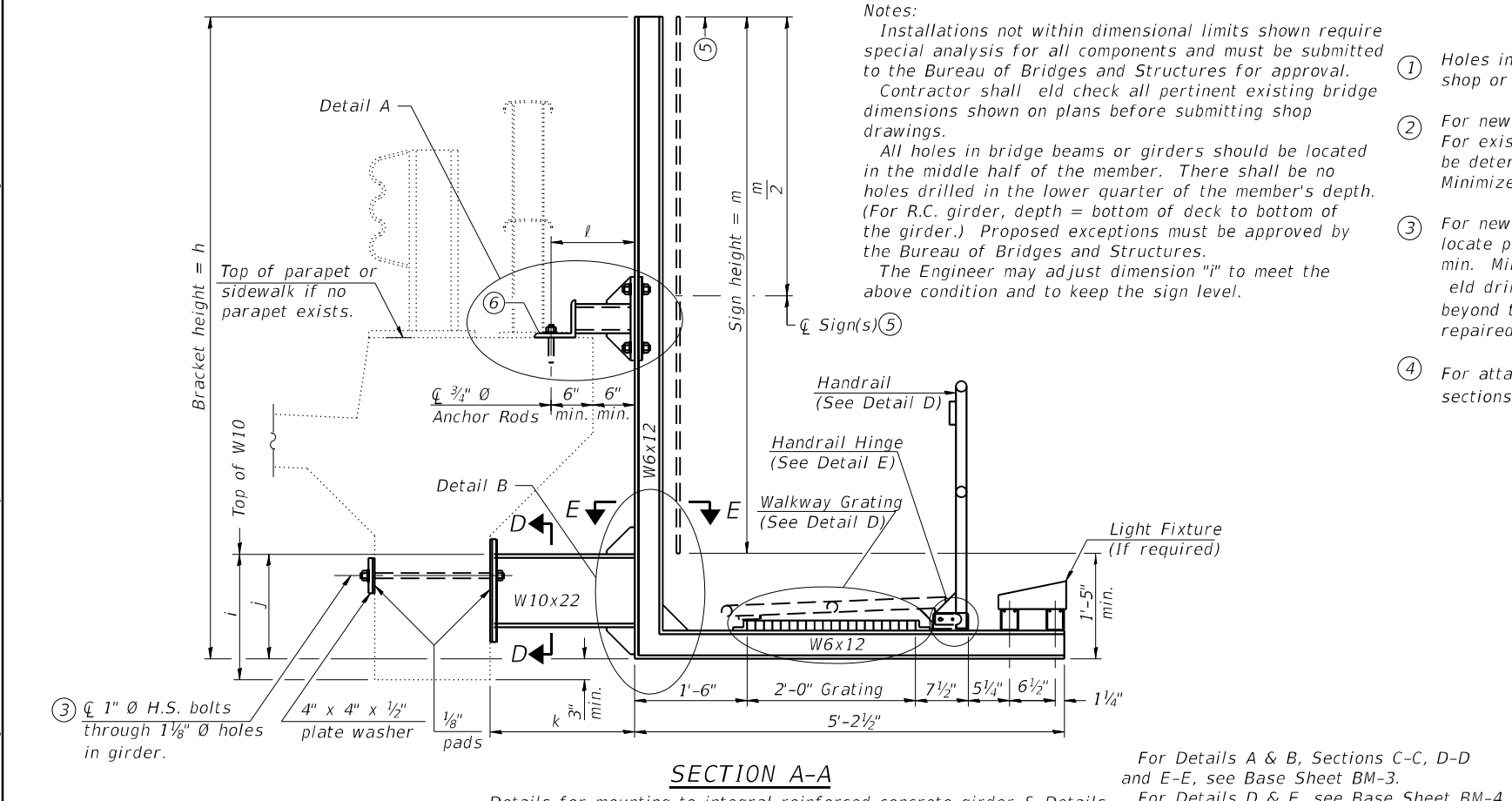
SECTION A-A Details for mounting to PPC I Beam or Bulb "T" & Details for mounting to parapet w/o rail



SECTION A-A Details for mounting to steel beam or girder & Details for mounting with existing parapet mounted rail

Notes:
Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval.
Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.
All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.
The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.

- ① Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- ② For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.
- ③ For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6", min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over 1/4" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.
- ④ For attachment details of 3 1/2" pipe and W10x22, see other sections as applicable.
- ⑤ Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specially directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
- ⑥ For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.



SECTION A-A Details for mounting to integral reinforced concrete girder & Details for mounting on safety curb with surface-mount bridge rail

Structure Number	Station	h	i	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)
028-0057	415+71.58	6' 6"	2' 0"	1' 9"	3' 0"	1' 0"	5' 0"
028-0064	444+50	6' 6"	2' 0"	1' 9"	3' 0"	1' 0"	5' 0"
028-0022	490+08.72	6' 6"	2' 0"	1' 9"	3' 0"	1' 0"	5' 0"
028-0010	480+01	6' 6"	2' 0"	1' 9"	3' 0"	1' 0"	5' 0"
028-0054	576+00	6' 6"	2' 0"	1' 9"	3' 0"	1' 0"	5' 0"
028-0062	629+65.1	6' 6"	2' 0"	1' 9"	3' 0"	1' 0"	5' 0"

BM-2 2-17-2017

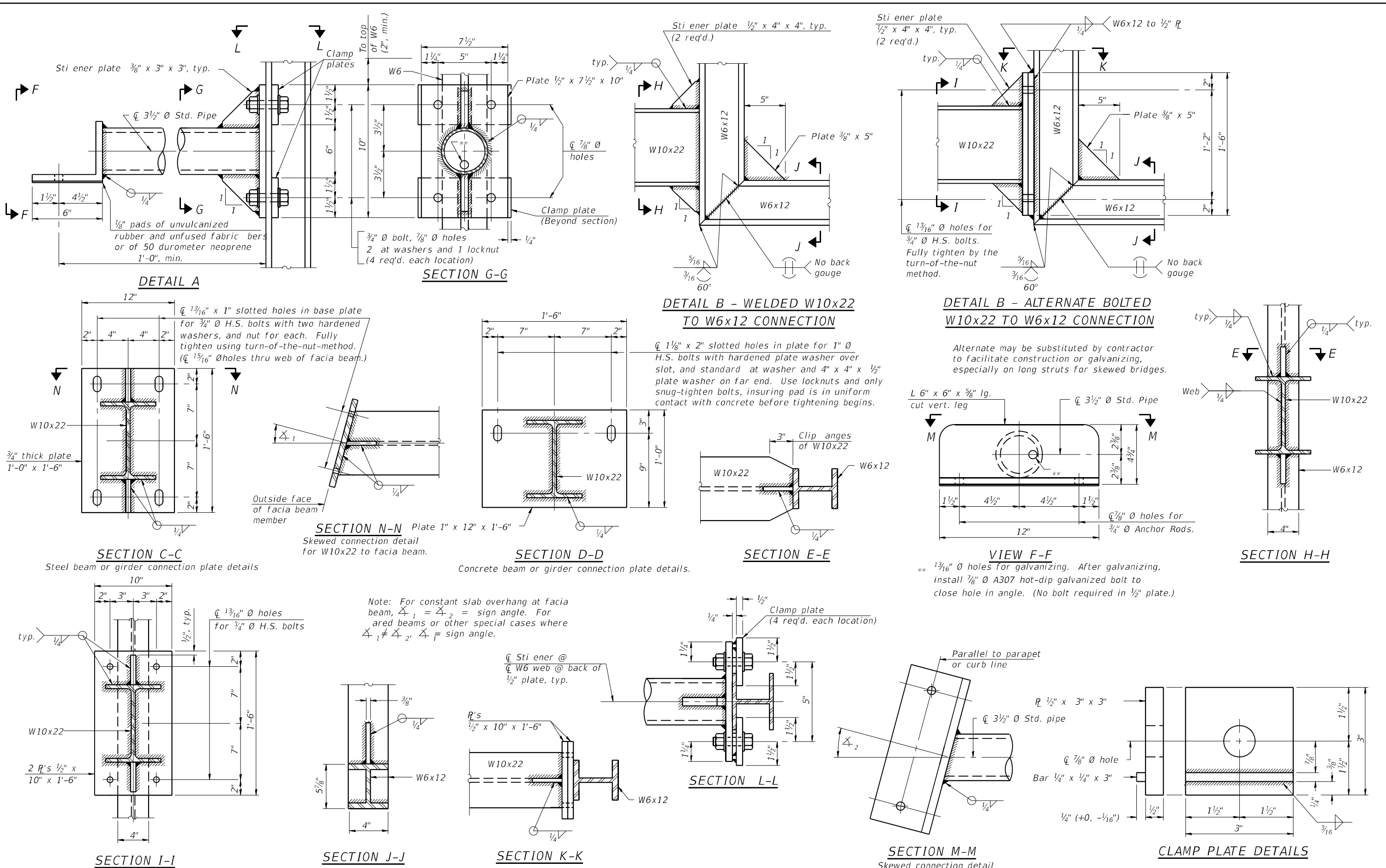
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PLOT SCALE = 0.16666633 1/16"	DRAWN -	REVISED -
PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

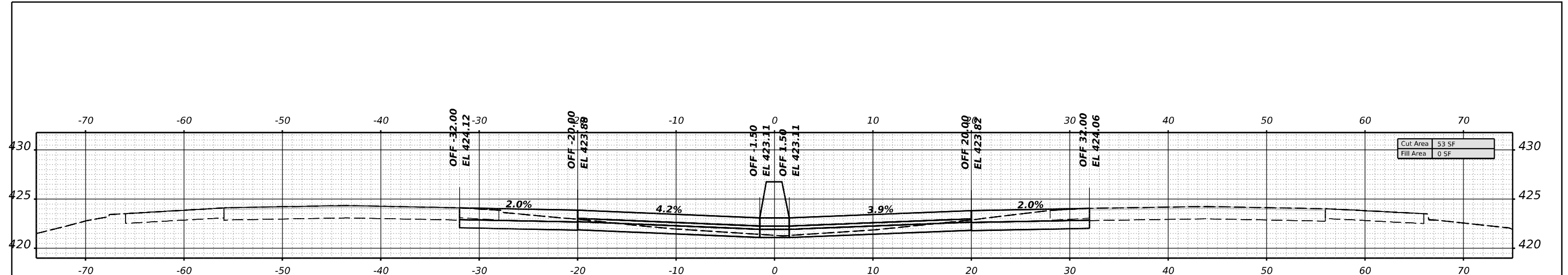
BRIDGE MOUNTED SIGN STRUCTURE DETAIL	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	238
CONTRACT NO. 78656				

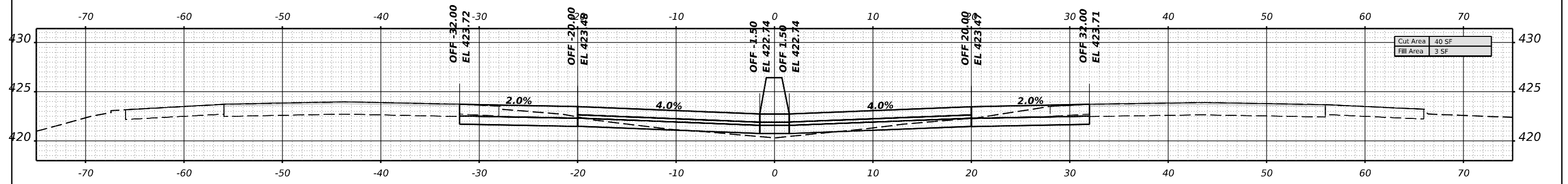
*D9 I-57 Add Lane-4;(28-5)B-3



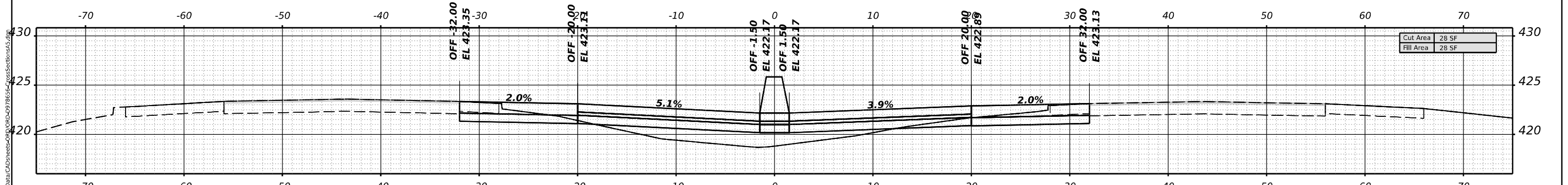
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					ILLINOIS FED. AID PROJECT *D9 I-57 Add Lane-4;(28-5)B-3	



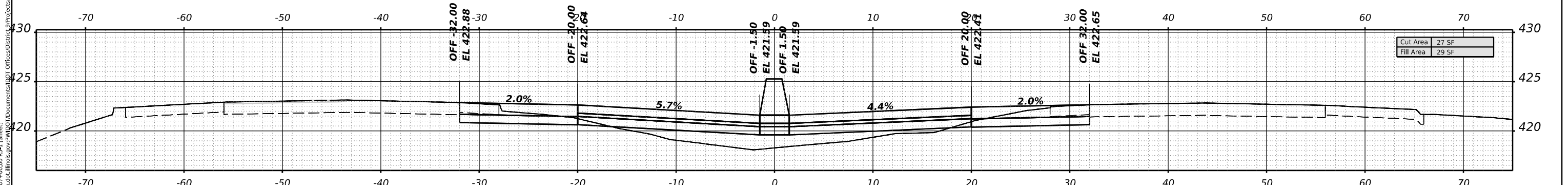
STA 310+00.00



STA 309+00.00



STA 308+00.00



STA 307+00.00

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PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

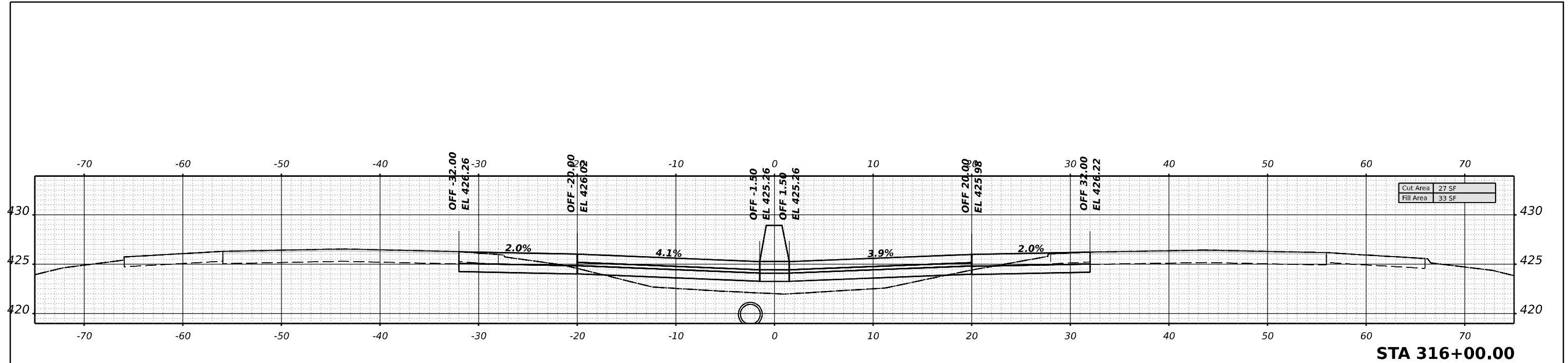
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

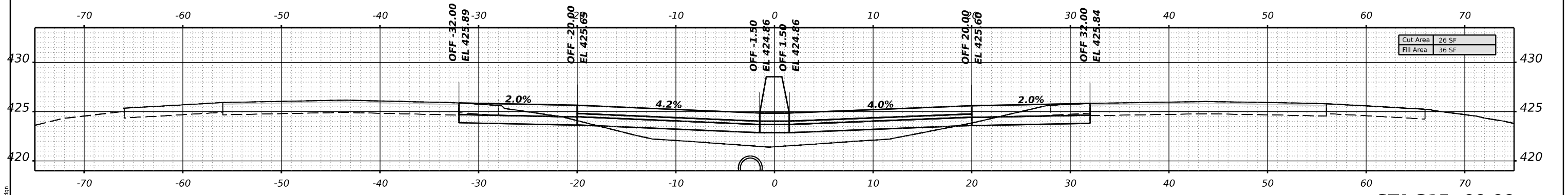
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	241
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

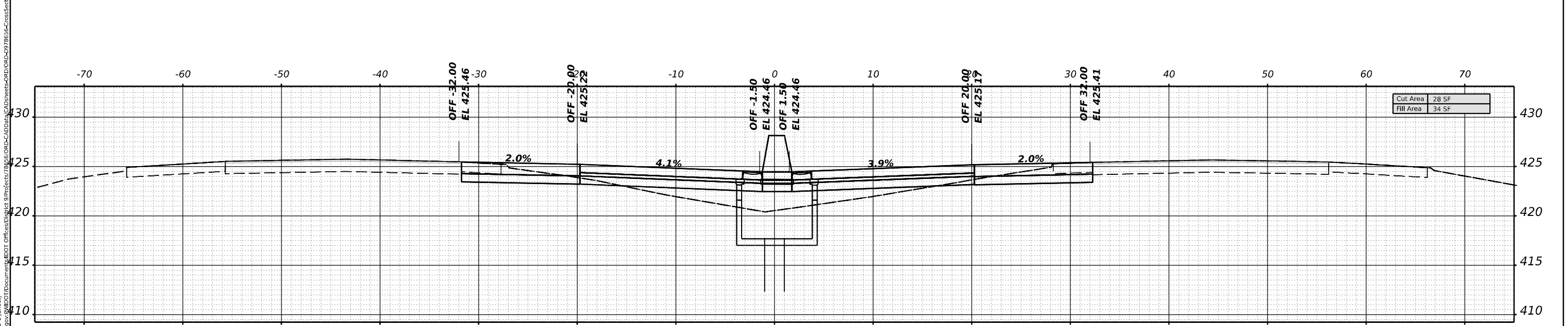
*D9 I-57 Add Lane-4;(28-5)B-3



STA 316+00.00



STA 315+00.00



STA 314+00.00

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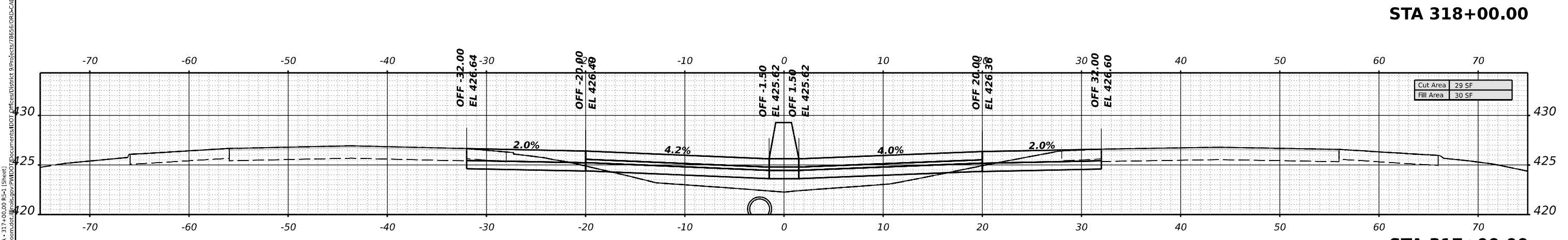
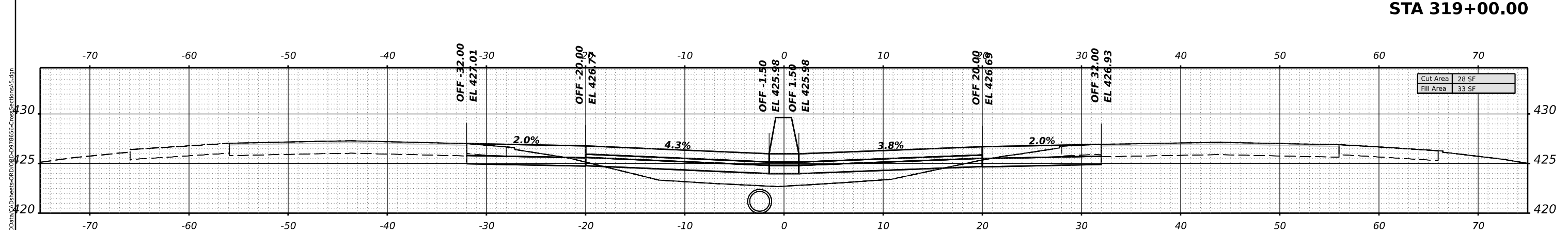
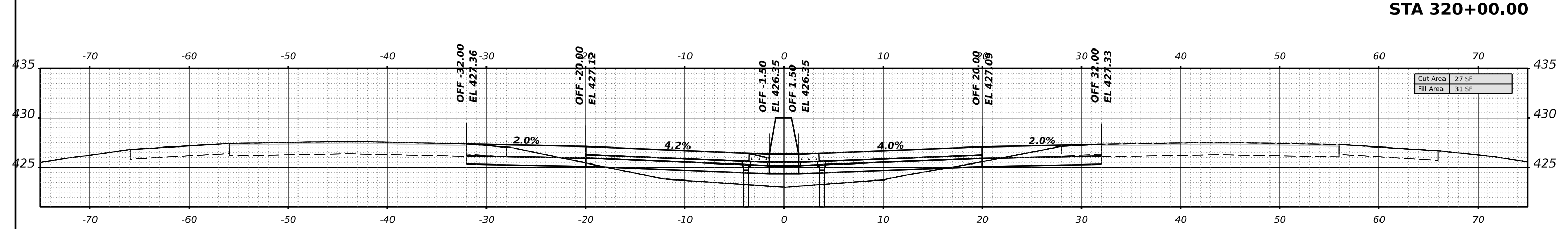
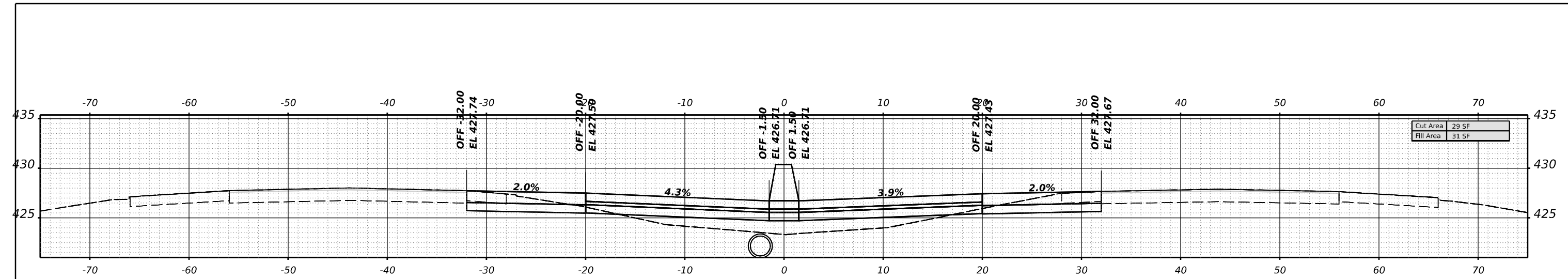
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	243
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



MODEL: I:\FRANKINA - 317+00.00.PE-1 (Sheet)
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USER NAME = dailyll	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

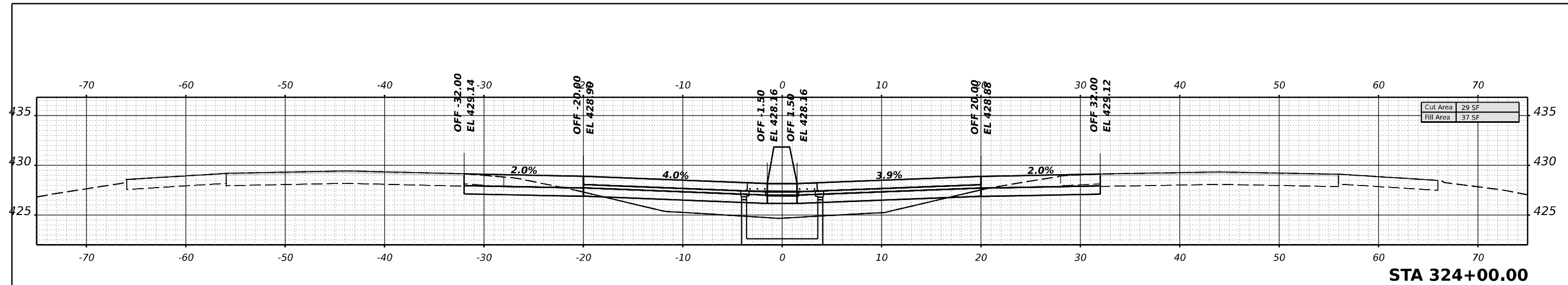
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. TO STA.		F.A.I. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						57	*	FRANKLIN	403	244	

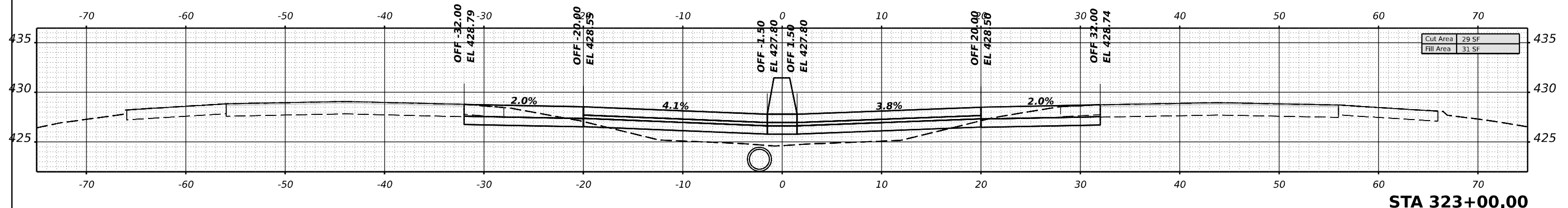
I-57 CROSS SECTIONS

CONTRACT NO. 78656	
ILLINOIS	FED. AID PROJECT

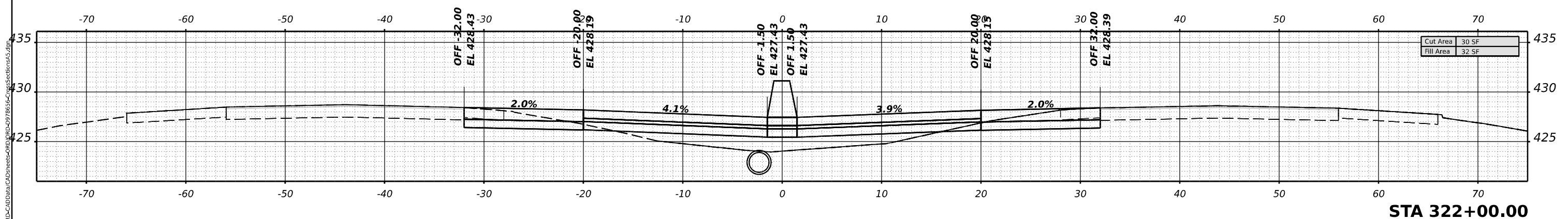
*D9 I-57 Add Lane-4;(28-5)B-3



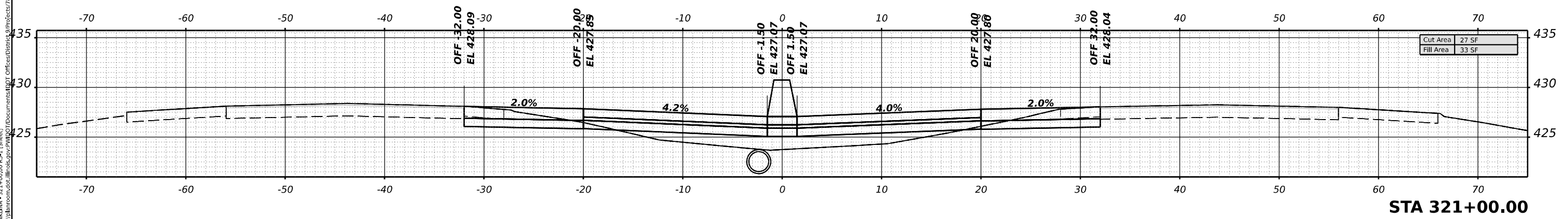
STA 324+00.00



STA 323+00.00



STA 322+00.00



STA 321+00.00

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USER NAME = dailyll	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

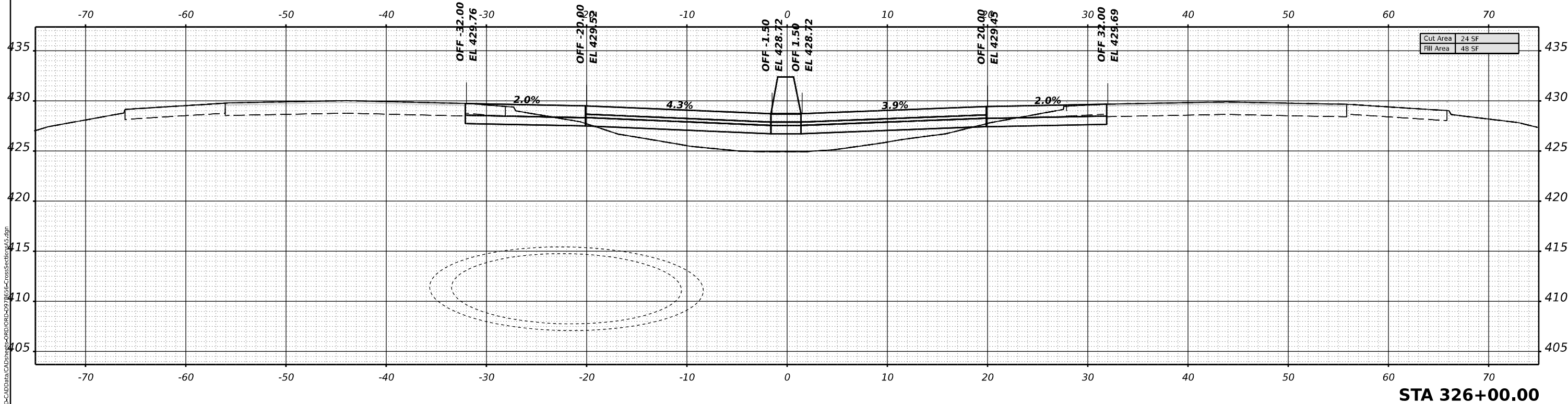
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

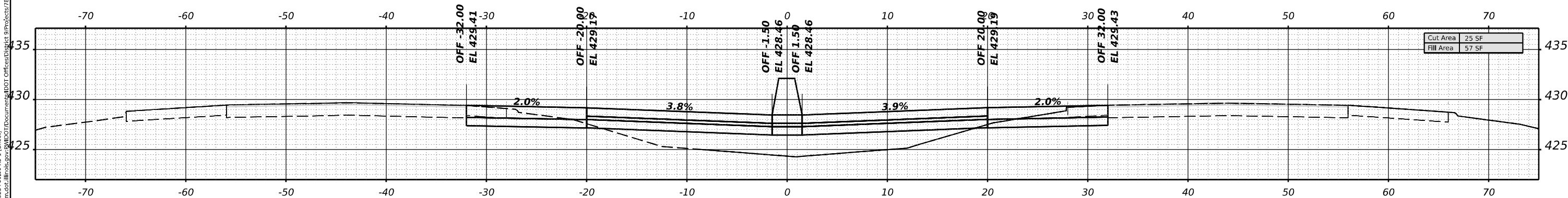
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	245
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

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STA 326+00.00



STA 325+00.00

USER NAME = dailyll	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

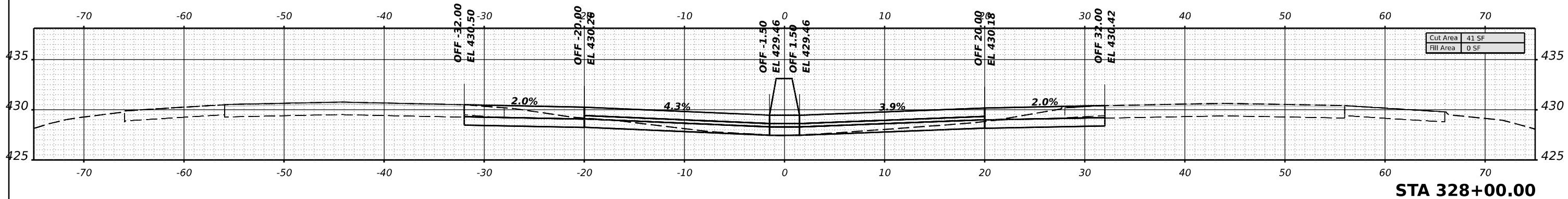
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

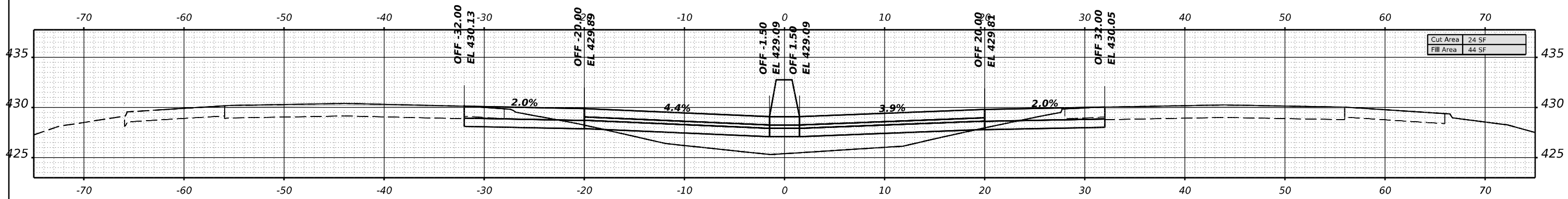
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	246
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

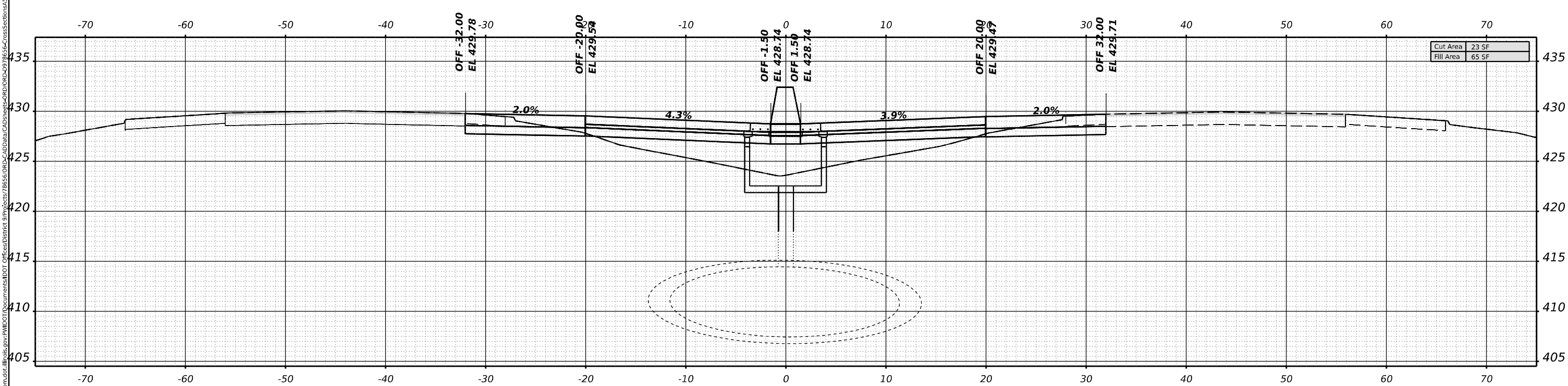
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STA 328+00.00



STA 327+00.00



STA 326+07.00

USER NAME = dailyll	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

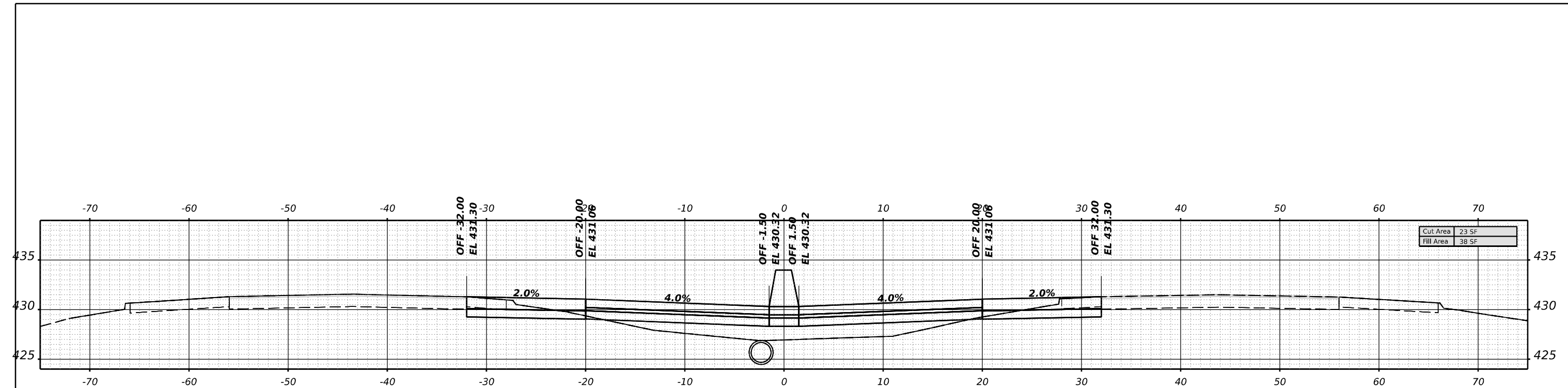
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

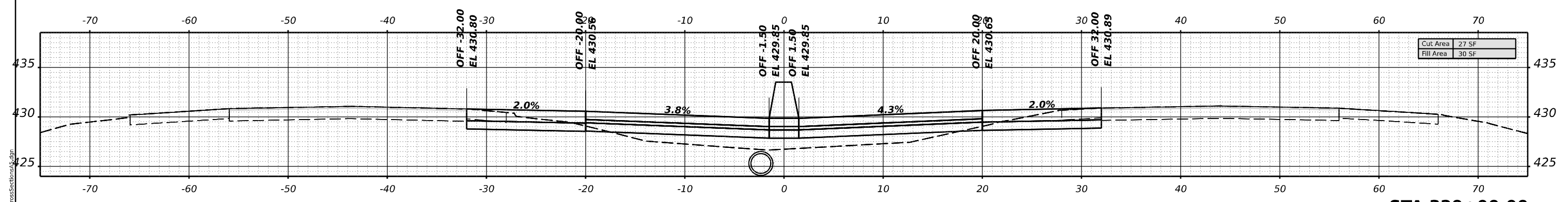
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	247
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

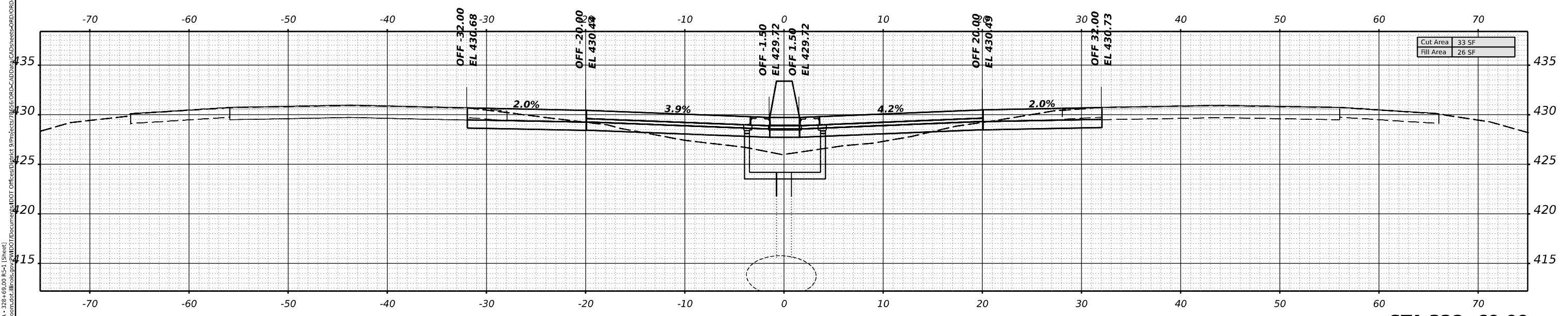
*D9 I-57 Add Lane-4:(28-5)B-3



STA 330+00.00



STA 329+00.00



STA 328+69.00

MODEL: I:\FRANKLIN - 78656.DWG; PLOT DATE: 5/7/2021; USER: dailyll; PROJECT: 78656; COUNTY: FRANKLIN; SHEET: 403; CONTRACT: 78656

USER NAME = dailyll	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

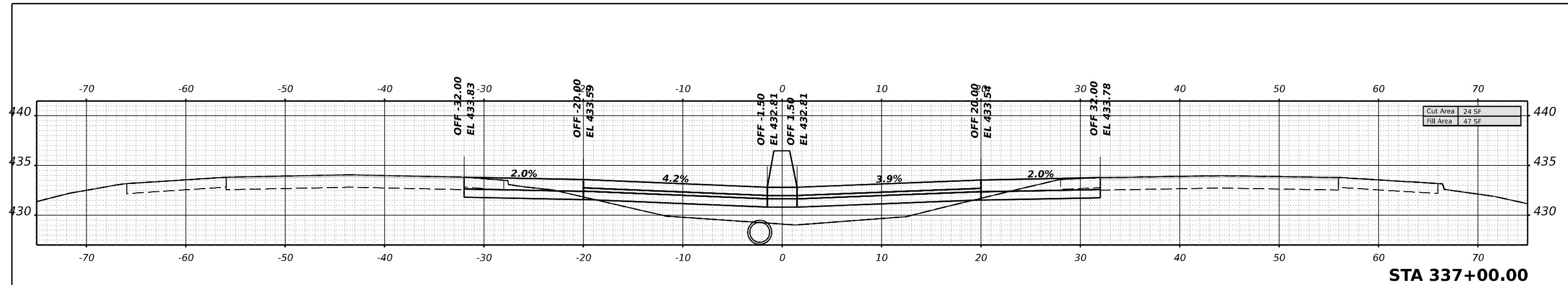
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO STA.

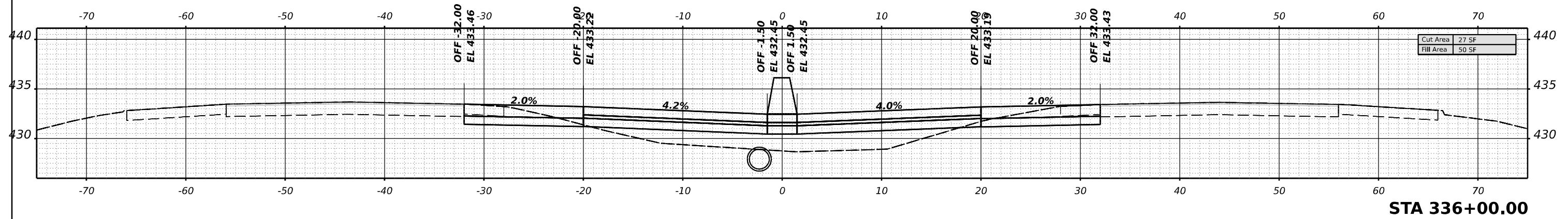
I-57 CROSS SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	248
			CONTRACT NO. 78656	
		ILLINOIS	FED. AID PROJECT	

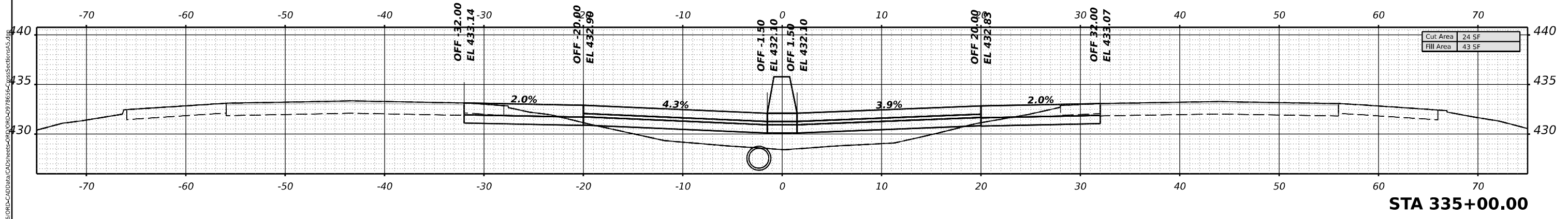
*D9 I-57 Add Lane-4;(28-5)B-3



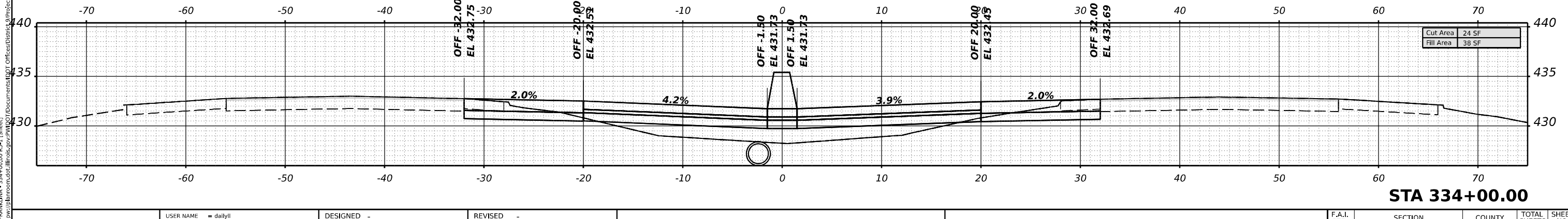
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STA 336+00.00



STA 335+00.00



STA 334+00.00

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USER NAME = dailyll	DESIGNED -	REVISED -
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PLOT DATE = 5/7/2021	DATE -	REVISED -

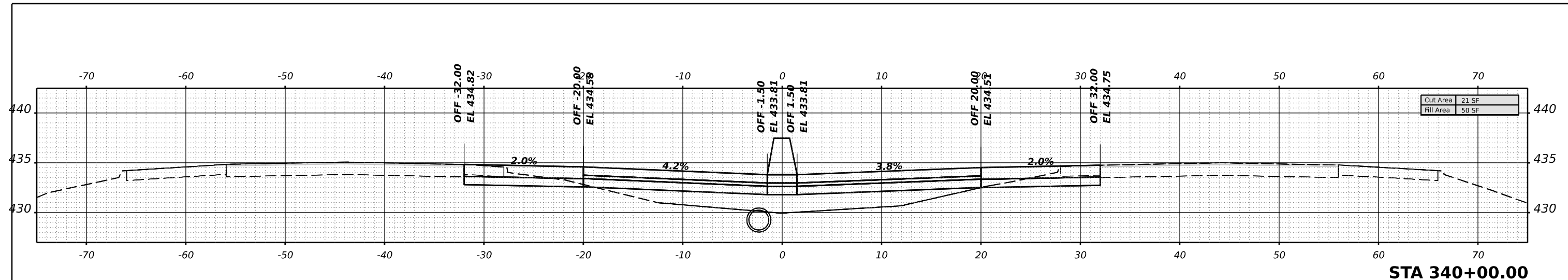
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

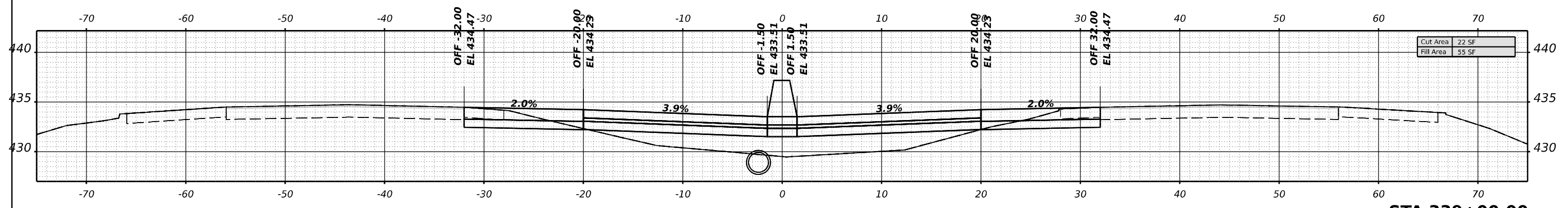
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	250
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

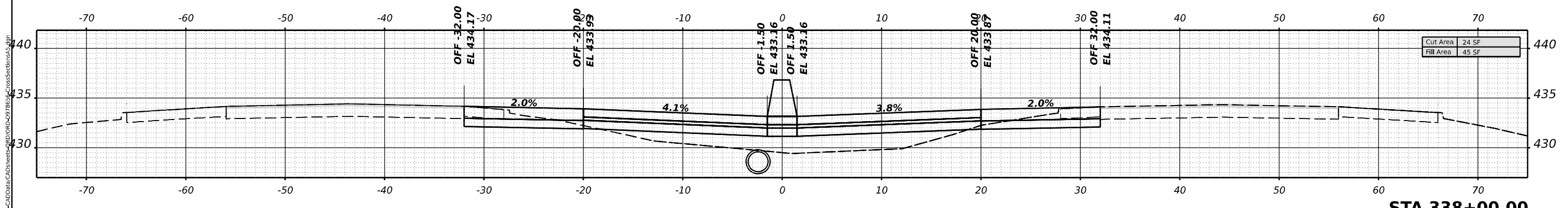
*D9 I-57 Add Lane-4;(28-5)B-3



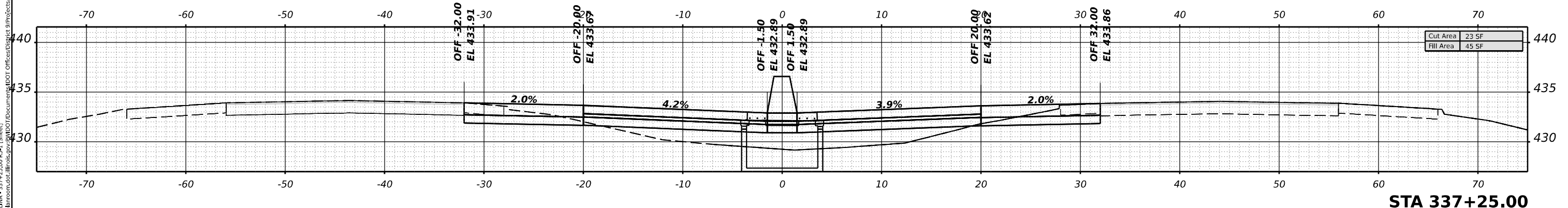
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STA 339+00.00



STA 338+00.00



STA 337+25.00

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USER NAME = dailyll	DESIGNED -	REVISED -
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PLOT DATE = 5/7/2021	DATE -	REVISED -

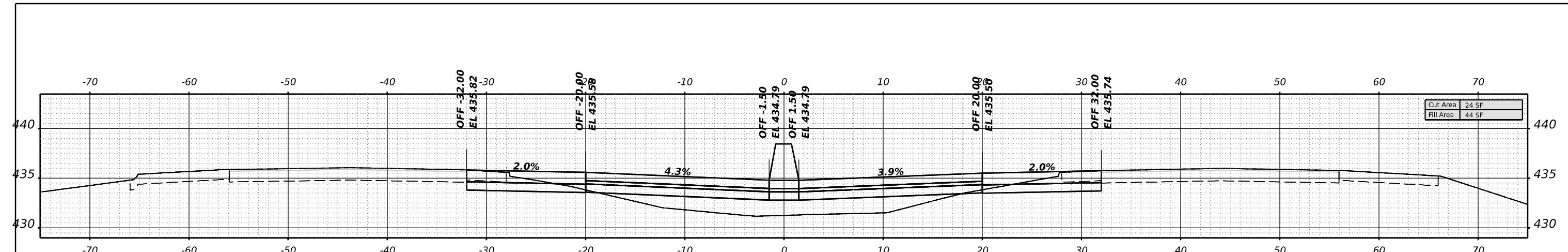
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

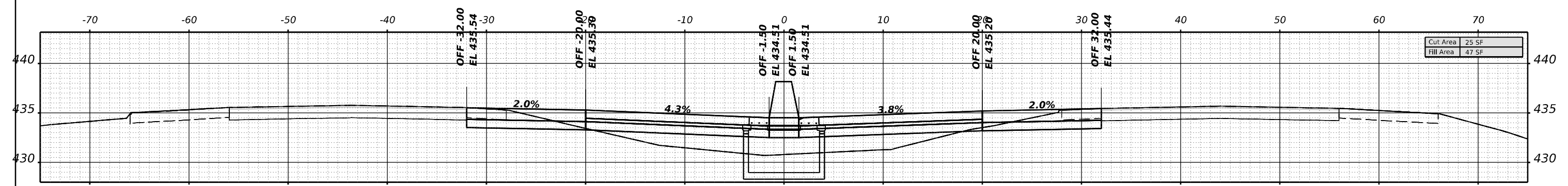
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	251
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



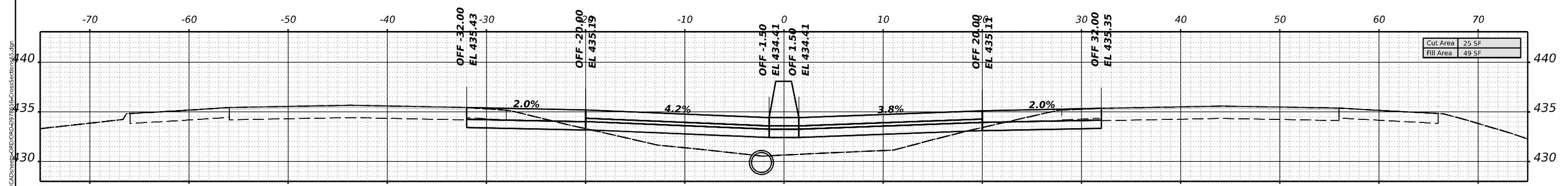
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Cut Area	24 SF
Fill Area	44 SF



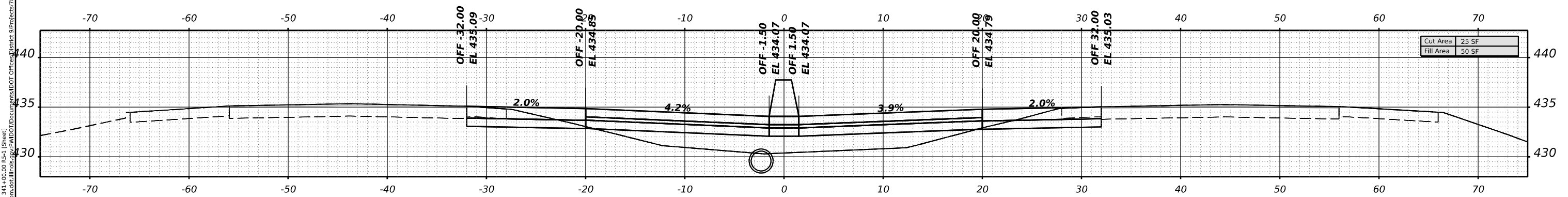
STA 342+25.00

Cut Area	25 SF
Fill Area	47 SF



STA 342+00.00

Cut Area	25 SF
Fill Area	49 SF



STA 341+00.00

Cut Area	25 SF
Fill Area	50 SF

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USER NAME = dailyll	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

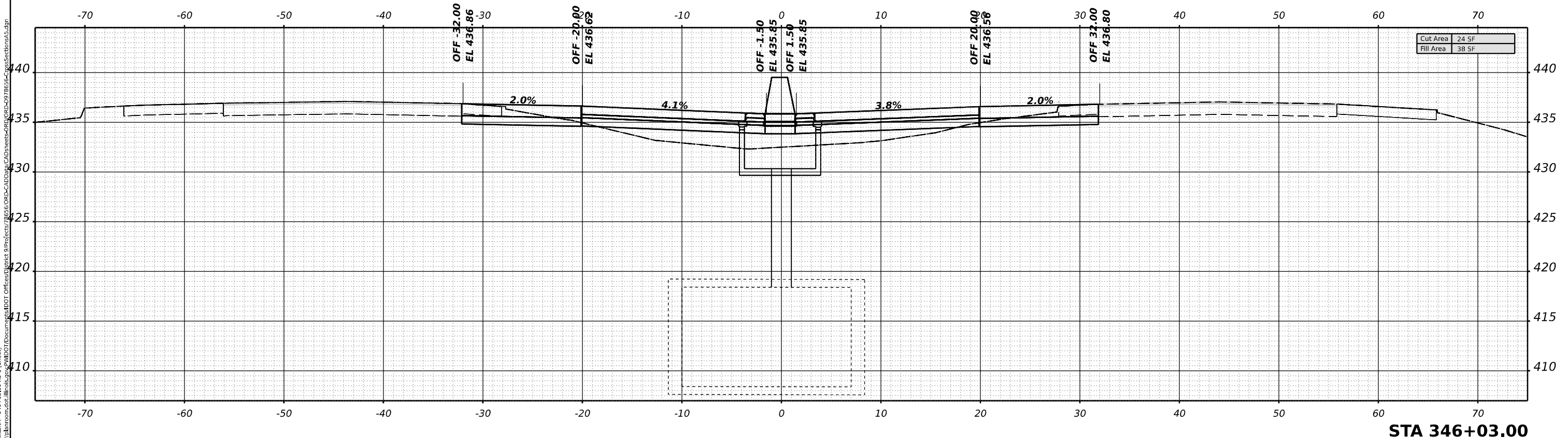
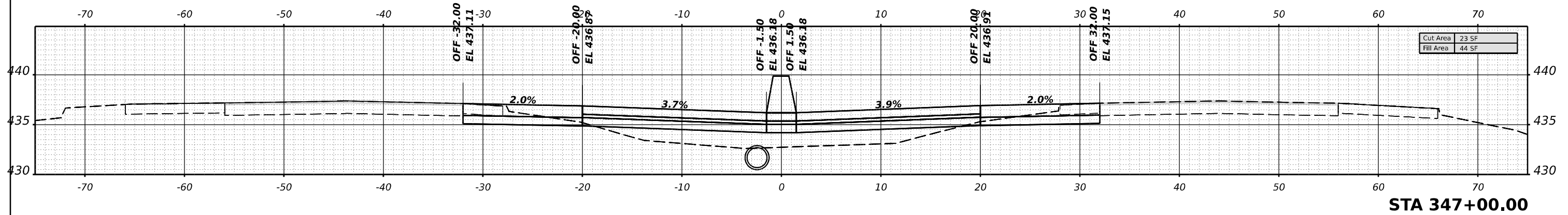
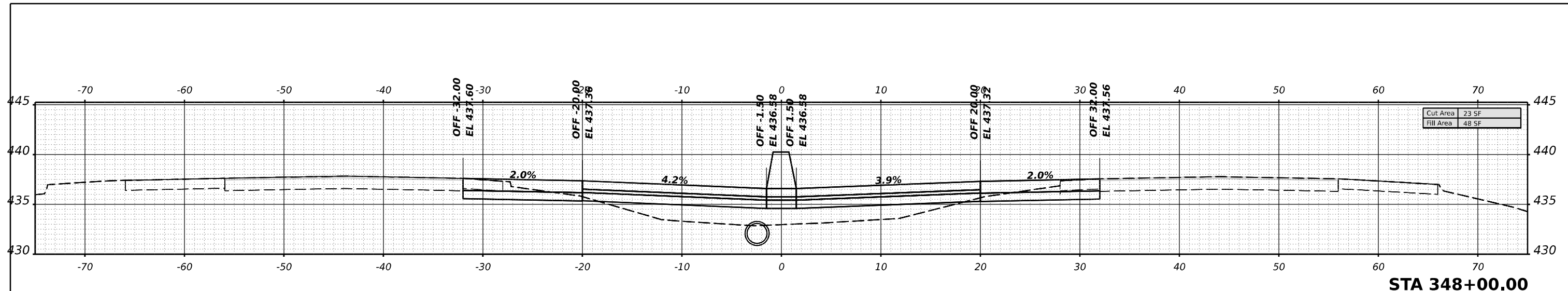
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	252
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



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PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

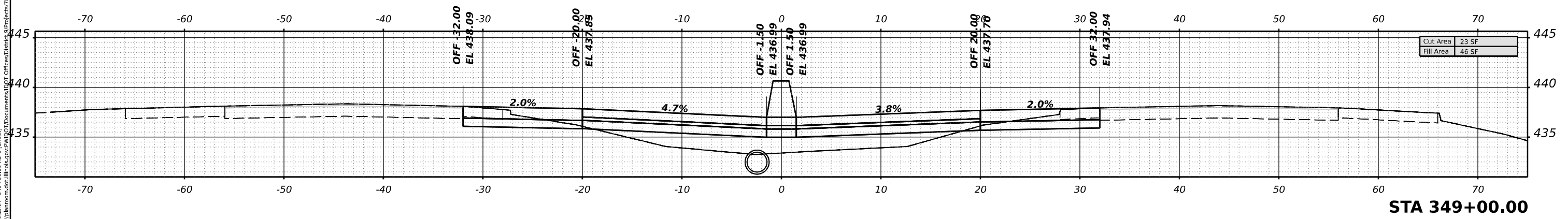
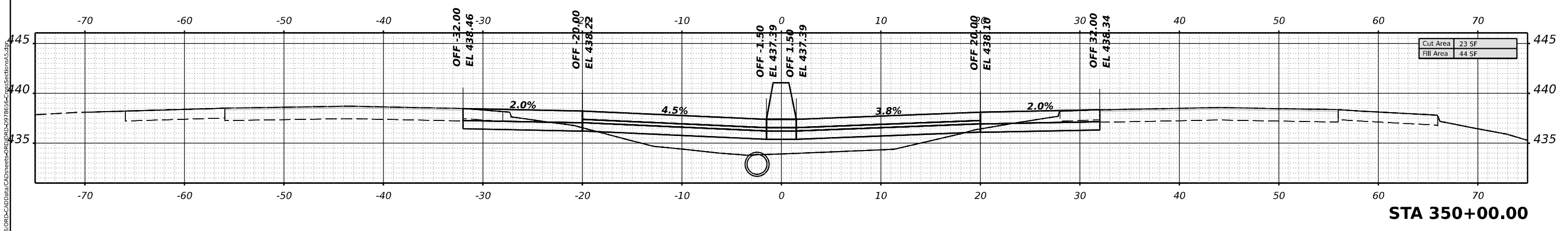
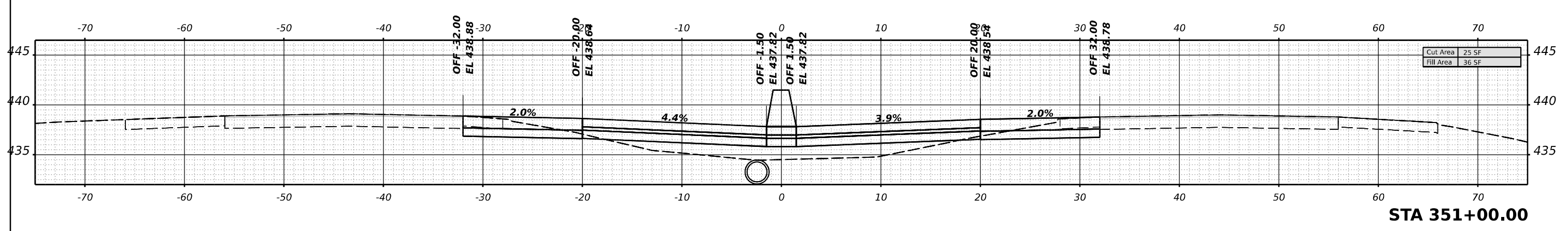
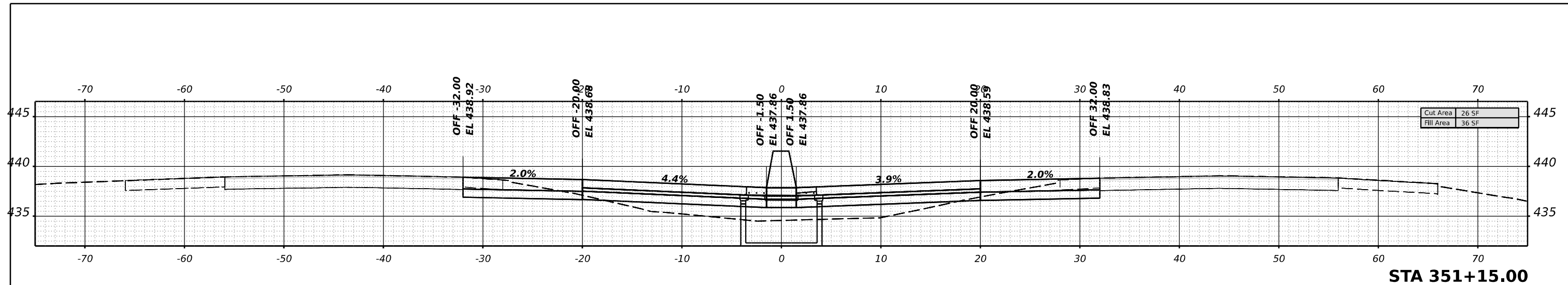
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	254
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3



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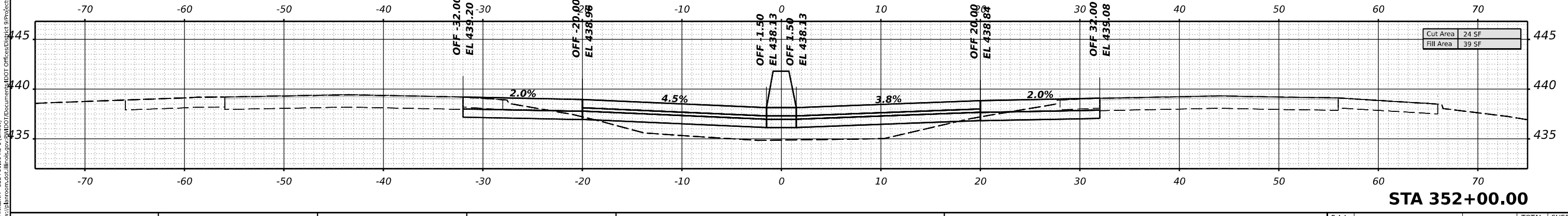
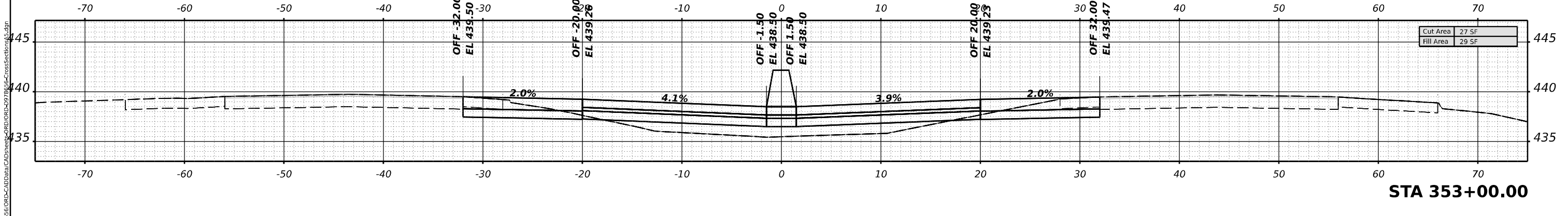
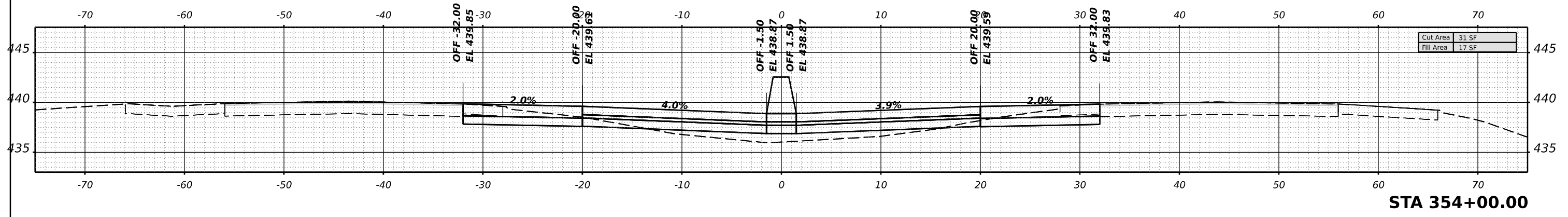
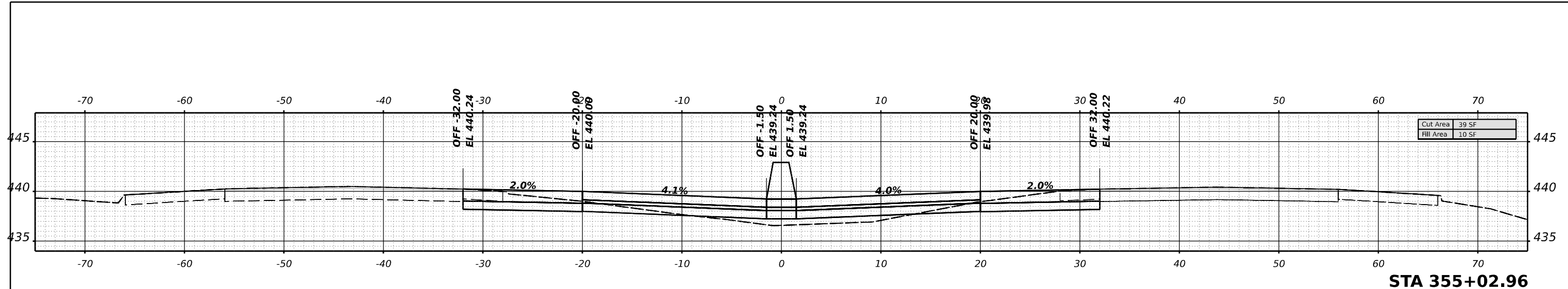
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PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS					
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	255
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4:(28-5)B-3



MODEL: I:\7FRANKLIN\A-352+00.00_RS-1 (Sheet)
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USER NAME = dailyll	DESIGNED -	REVISED -
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PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

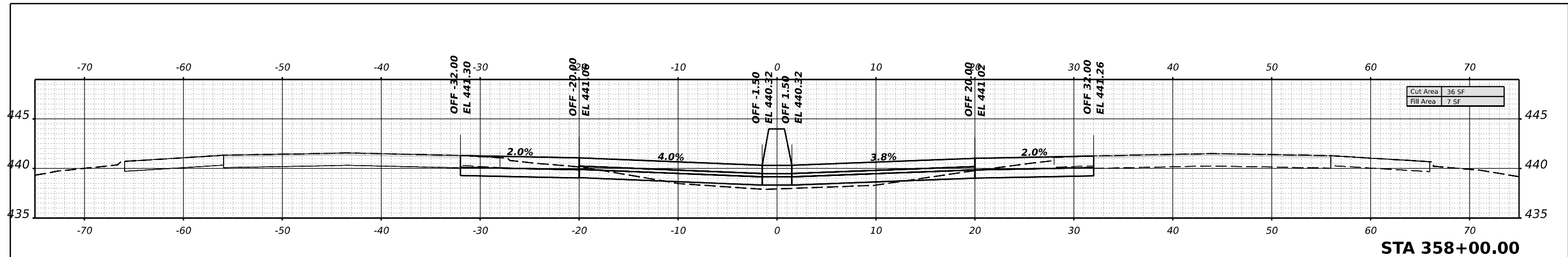
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

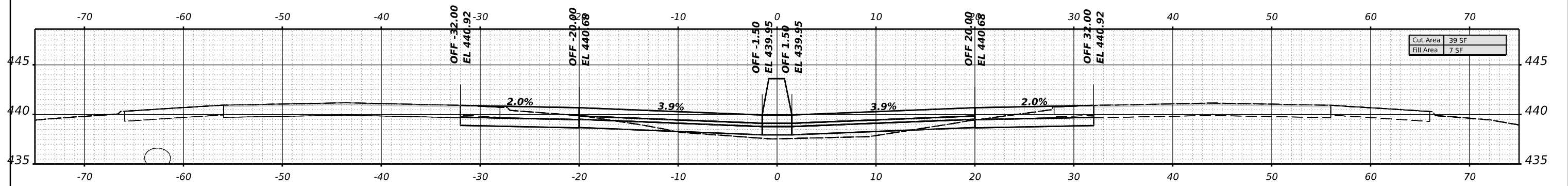
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	256
			CONTRACT NO. 78656	

*D9 I-57 Add Lane-4;(28-5)B-3

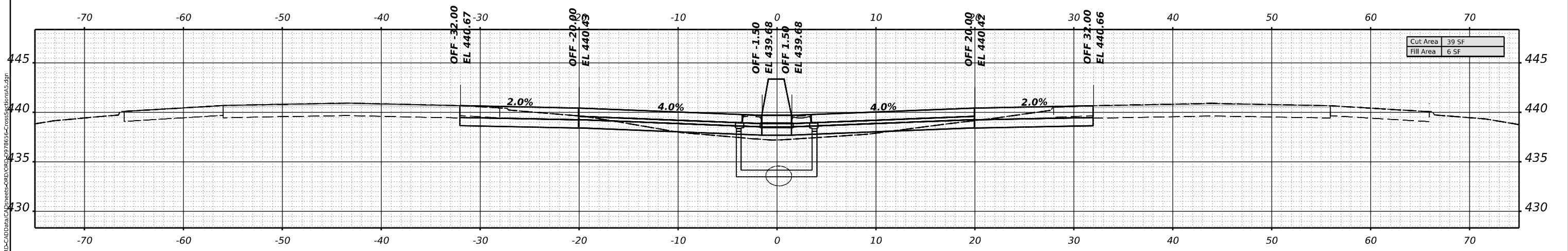
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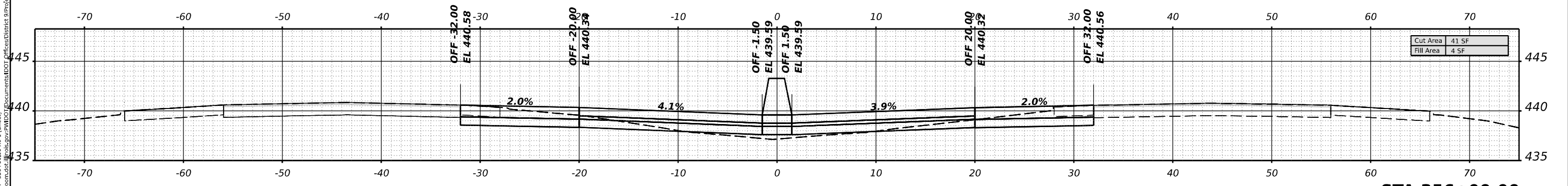
STA 358+00.00



STA 357+00.00



STA 356+25.00



STA 356+00.00

USER NAME = dailyll	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

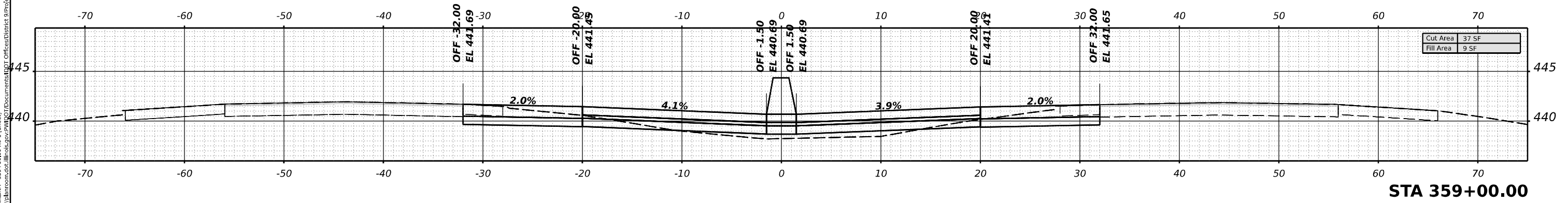
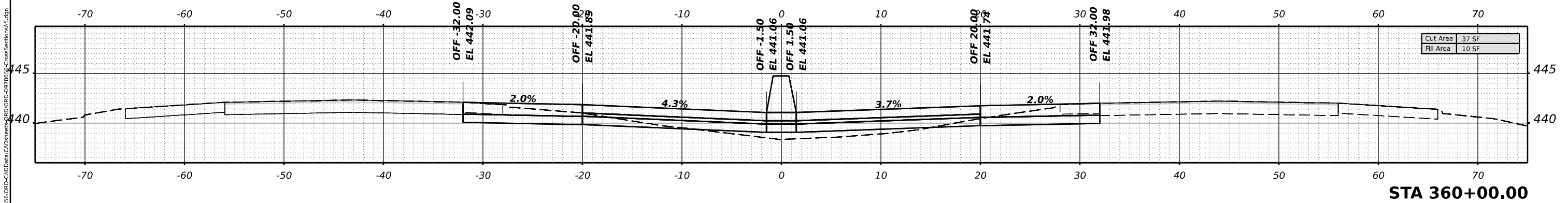
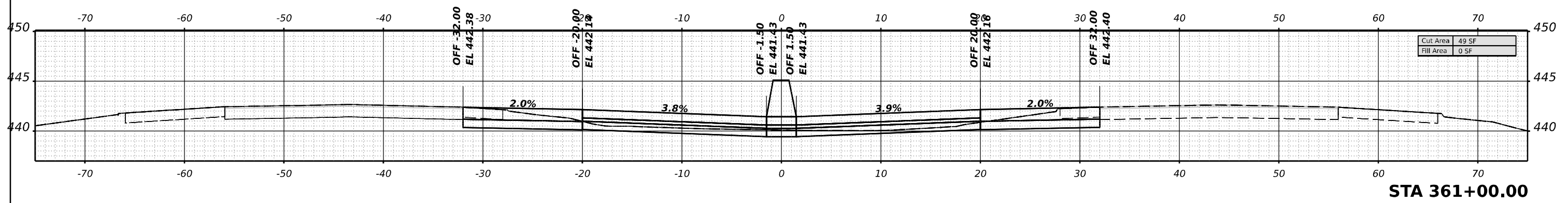
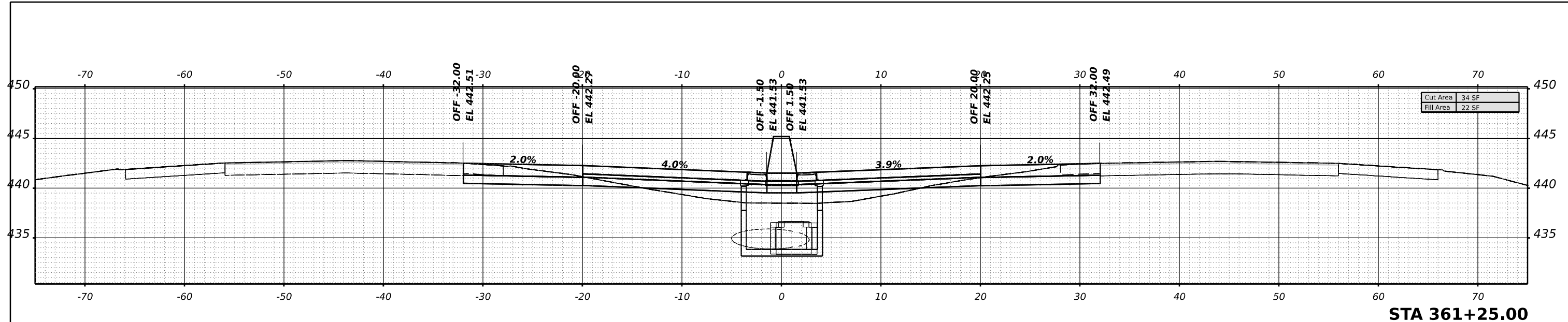
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	257
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4:(28-5)B-3



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USER NAME = dailyll	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

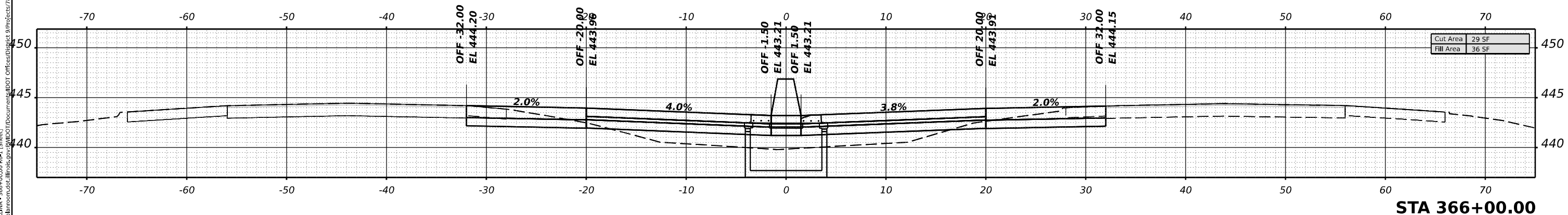
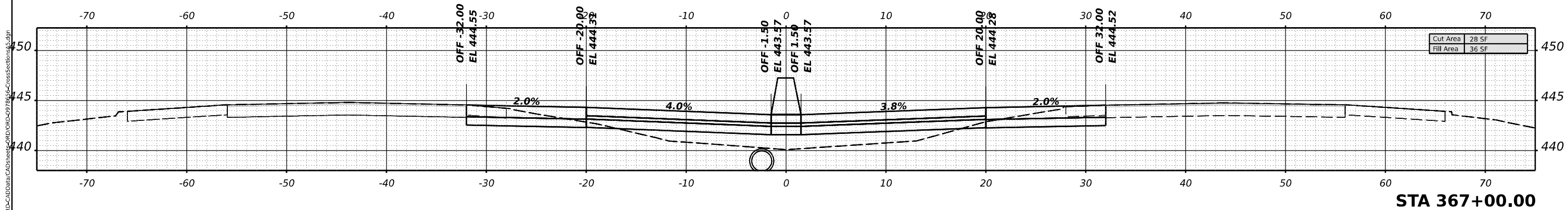
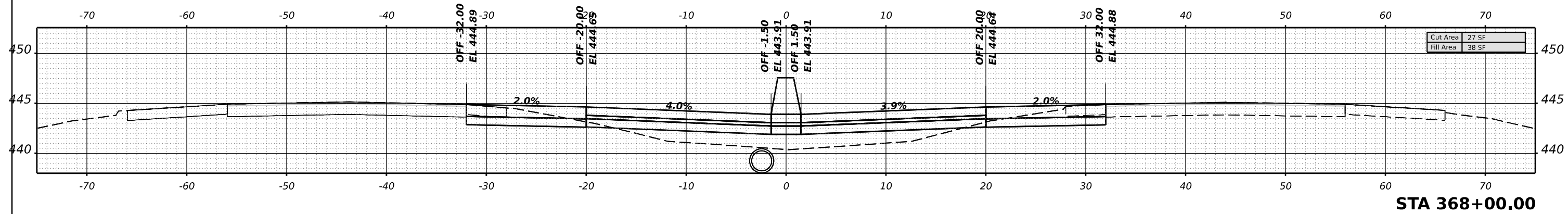
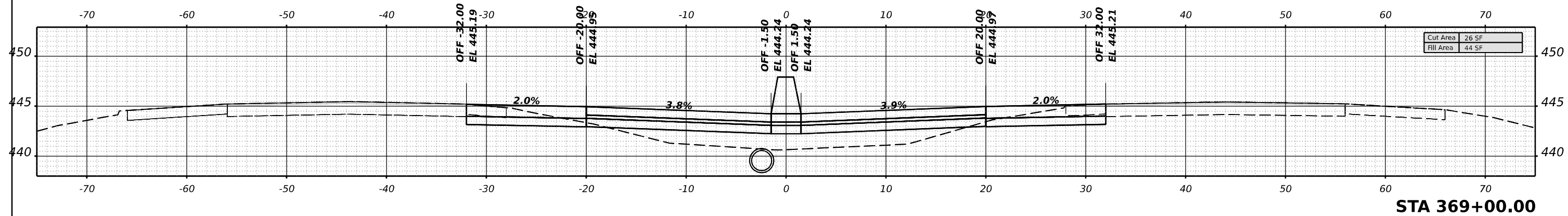
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	258
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

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PLOT DATE = 5/7/2021	DATE -	REVISED -

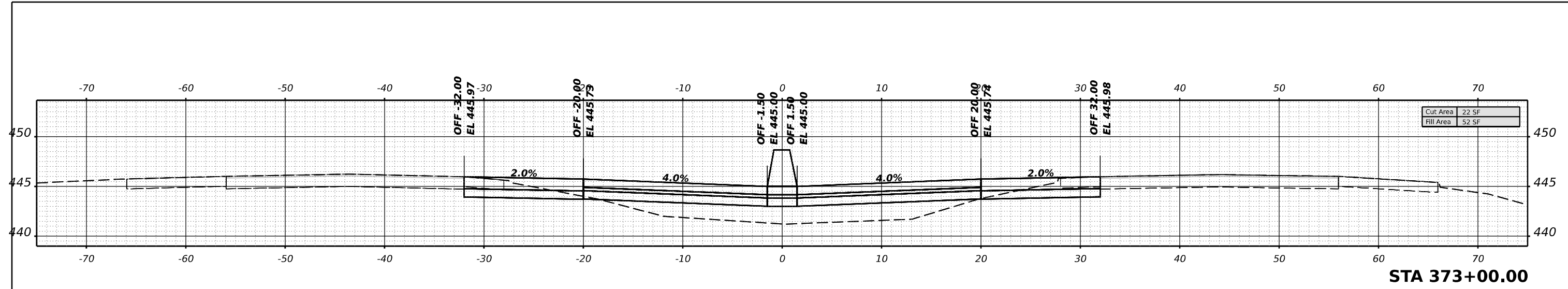
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 CROSS SECTIONS

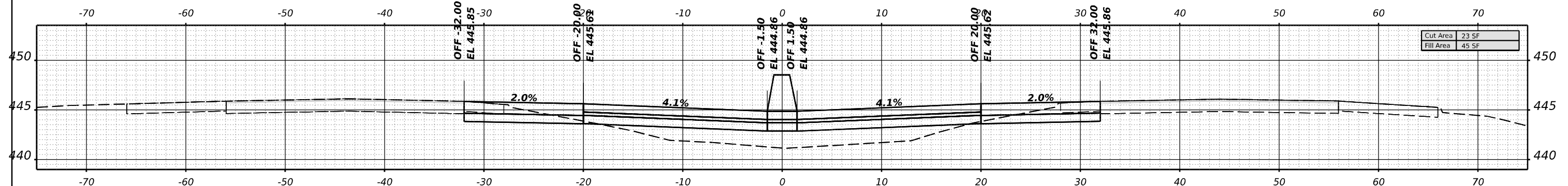
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

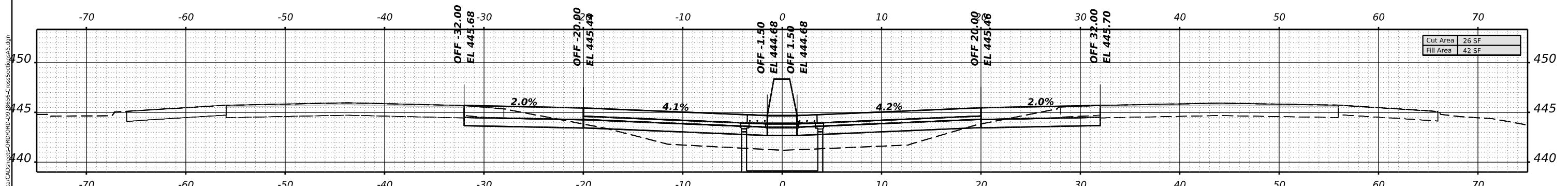
*D9 I-57 Add Lane-4;(28-5)B-3



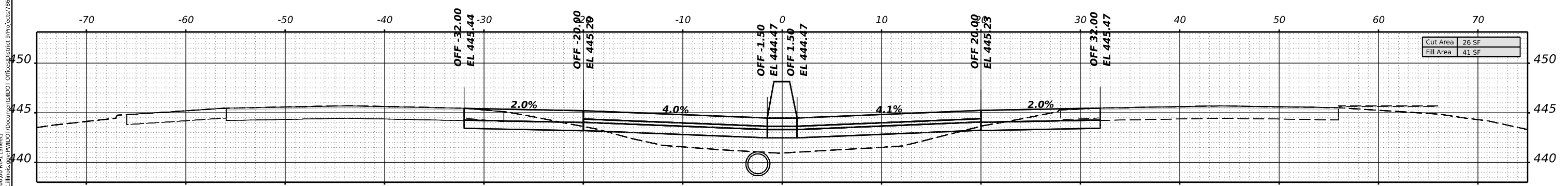
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STA 372+00.00



STA 371+00.00



STA 370+00.00

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	DRAWN -	REVISED -
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PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

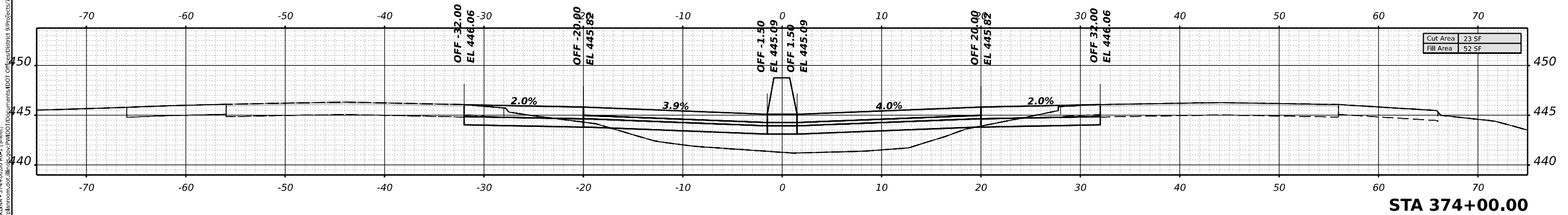
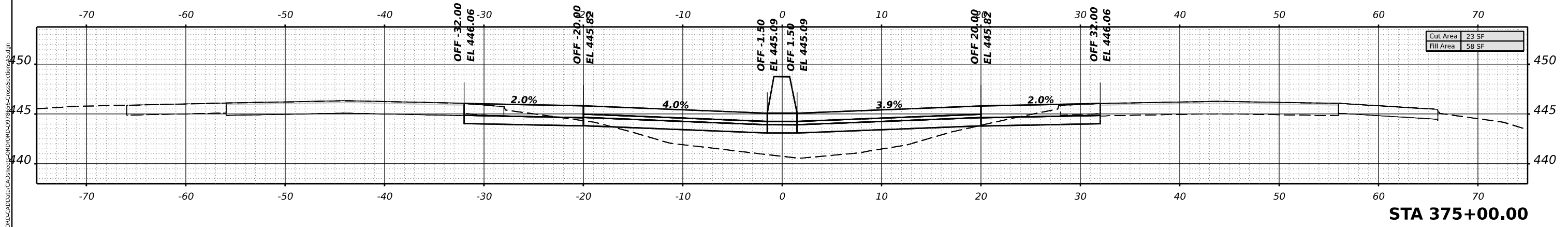
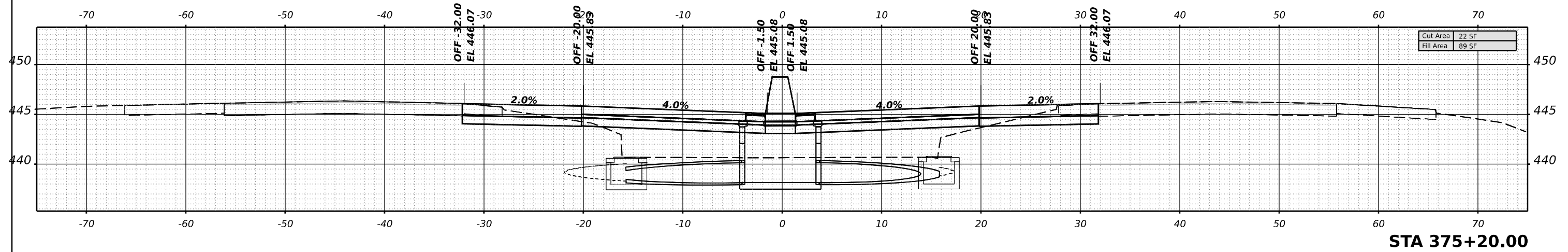
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	261
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3

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PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

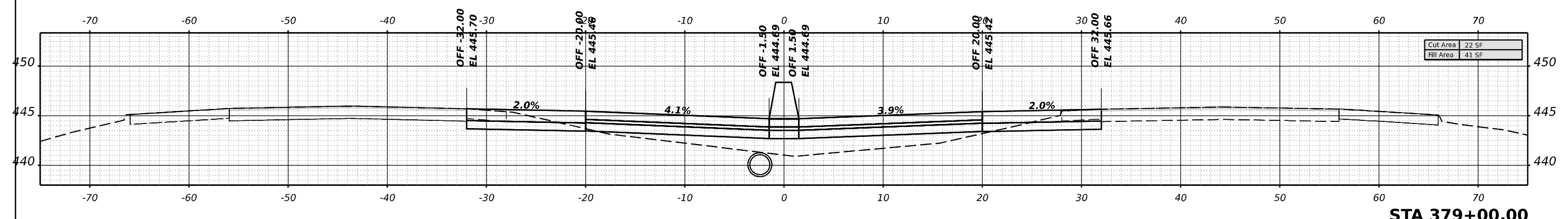
I-57 CROSS SECTIONS

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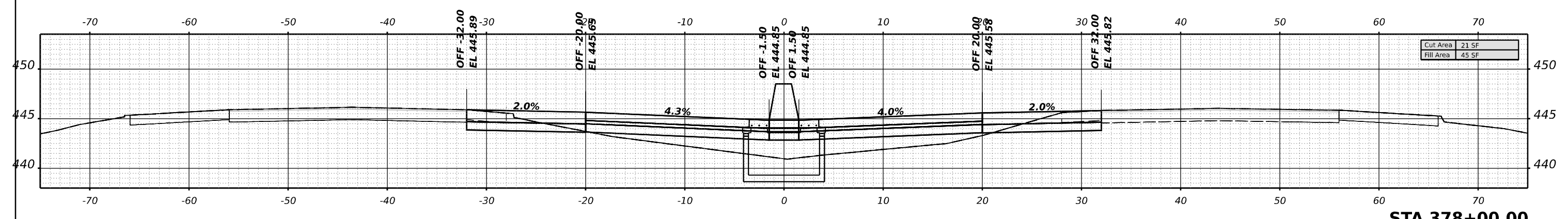
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

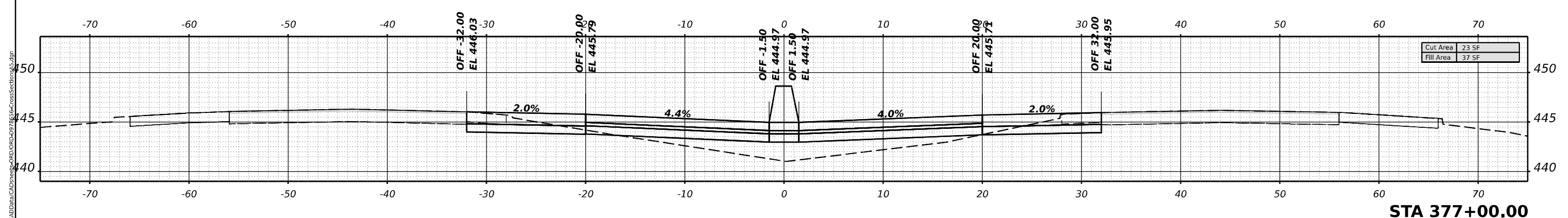
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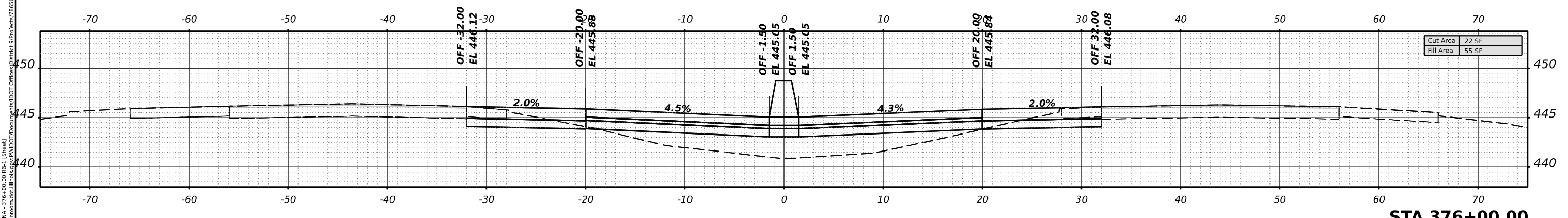
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STA 378+00.00



STA 377+00.00



STA 376+00.00

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PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

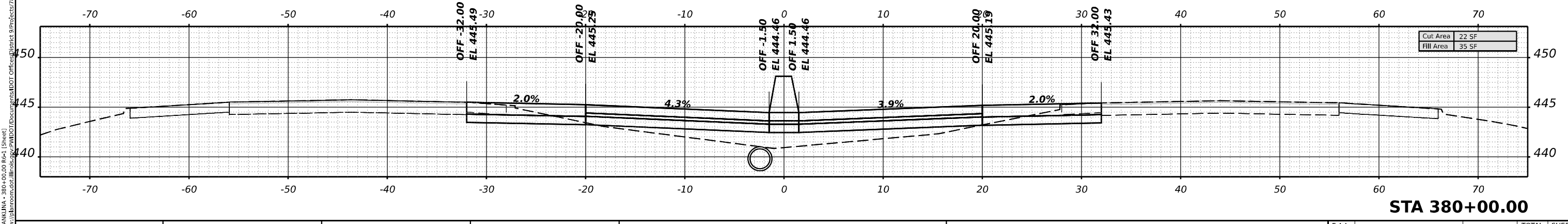
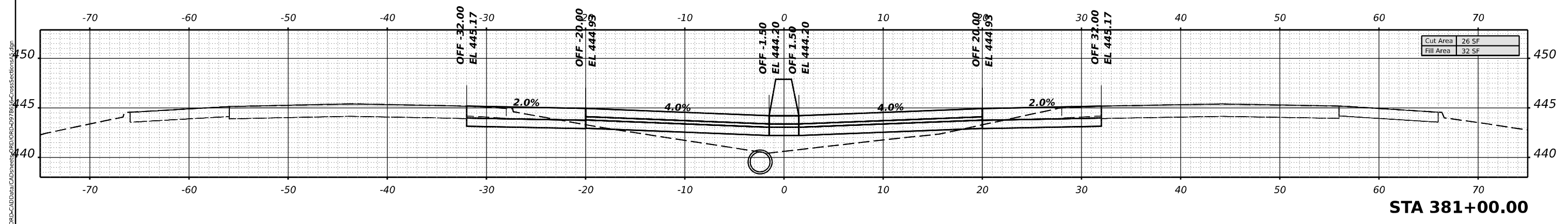
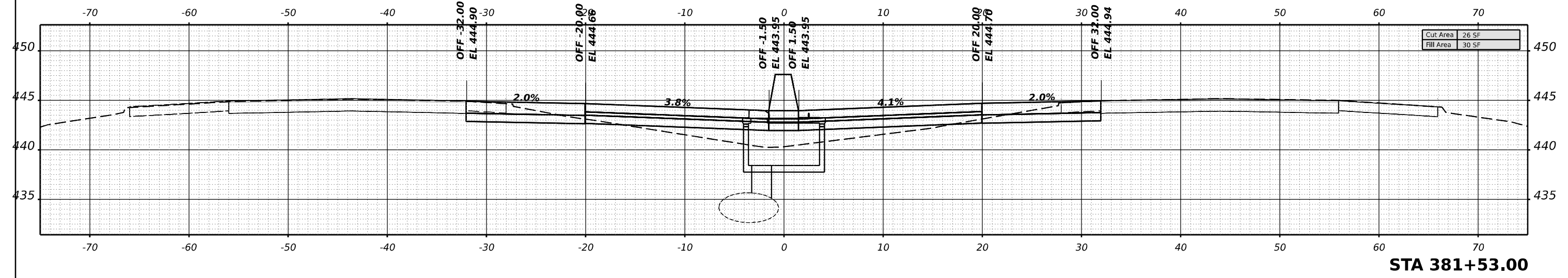
I-57 CROSS SECTIONS

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	263
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3

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PLOT DATE = 5/7/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

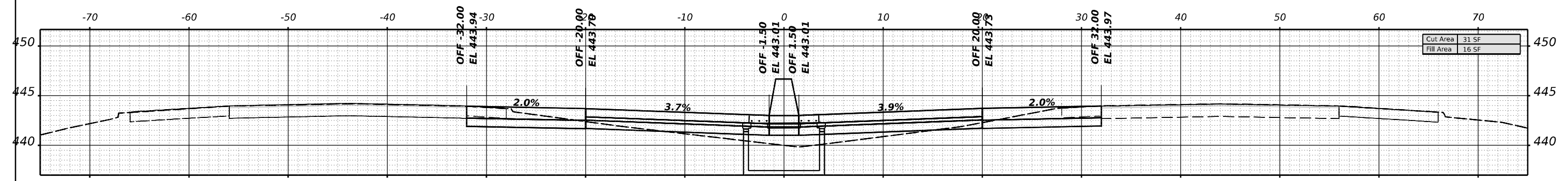
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

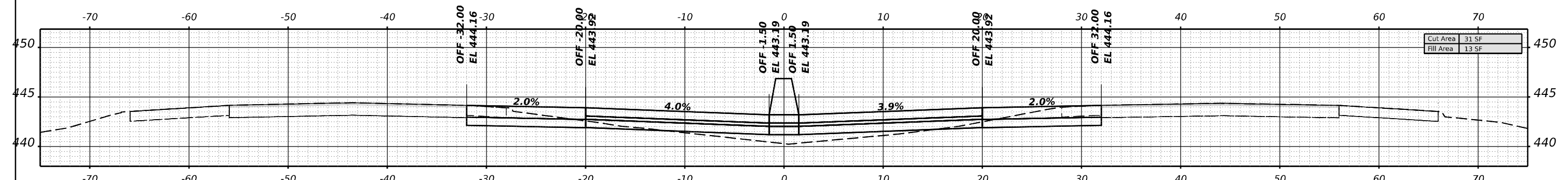
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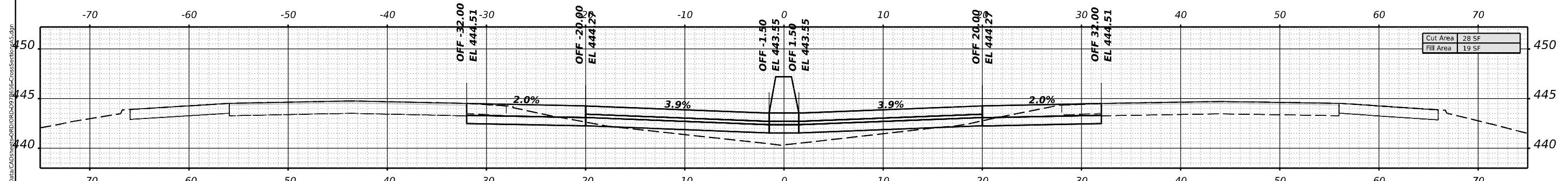
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Fill Area	16 SF



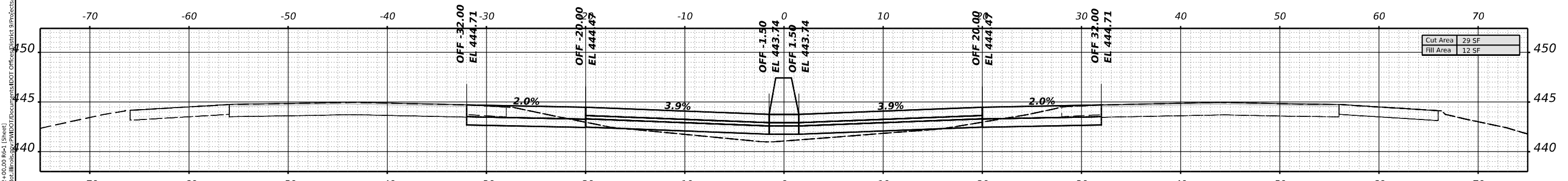
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Cut Area	31 SF
Fill Area	13 SF



STA 383+00.00

Cut Area	28 SF
Fill Area	19 SF



STA 382+00.00

Cut Area	29 SF
Fill Area	12 SF

USER NAME = dailyll	DESIGNED -	REVISED -
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PLOT DATE = 5/7/2021	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

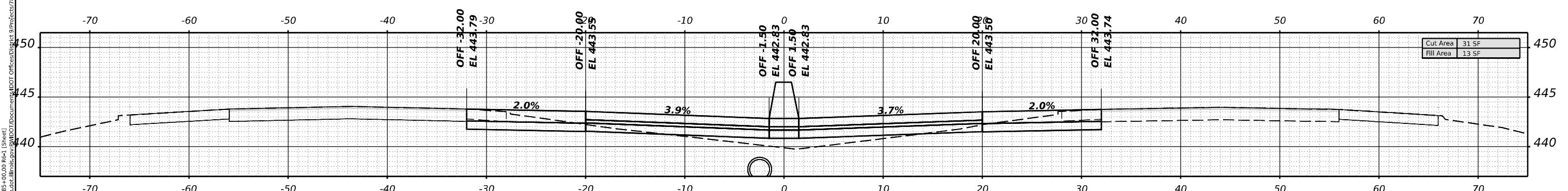
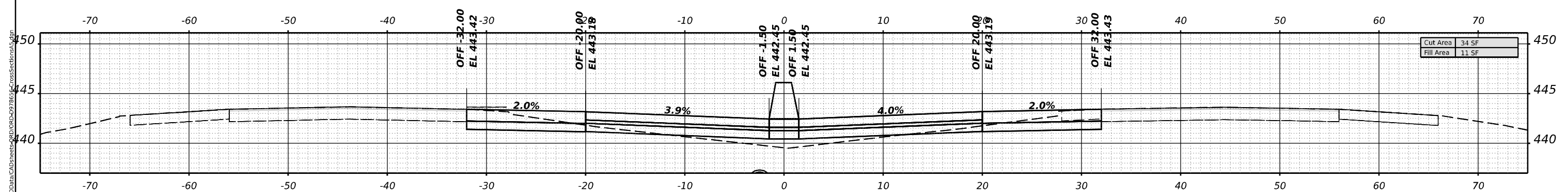
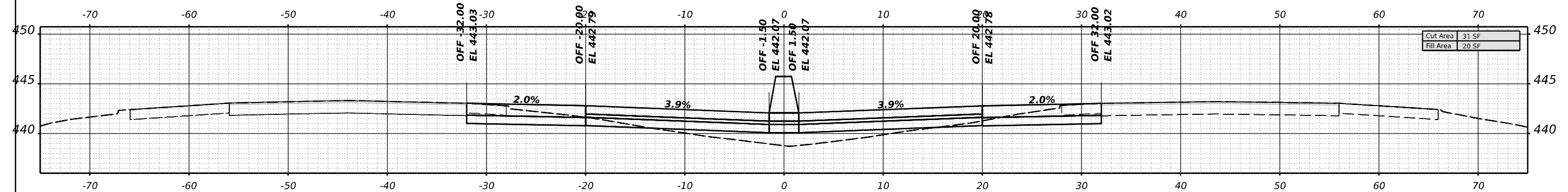
I-57 CROSS SECTIONS

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	265
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

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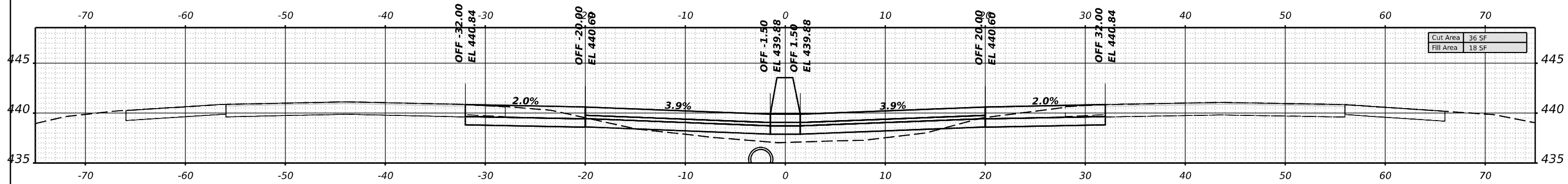
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

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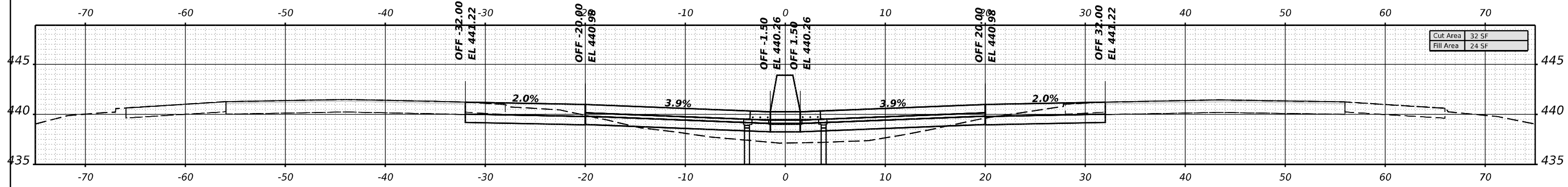
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	266
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



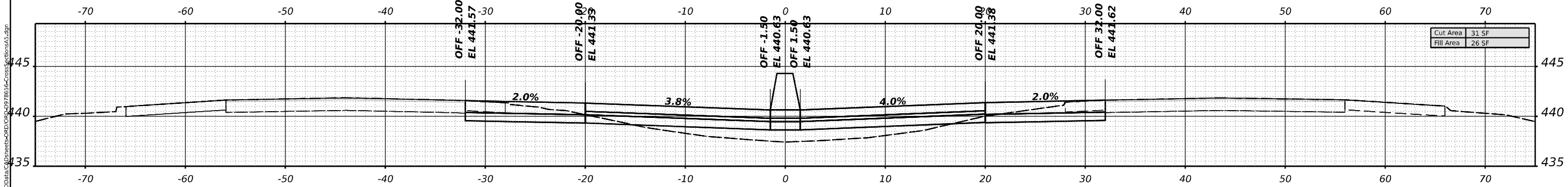
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Cut Area	36 SF
Fill Area	18 SF



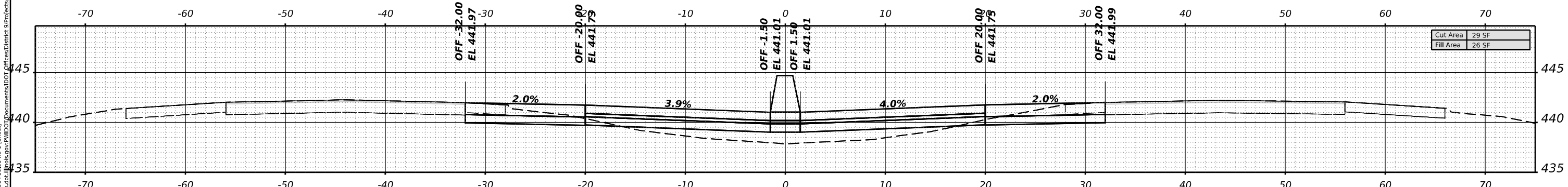
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Cut Area	32 SF
Fill Area	24 SF



STA 391+00.00

Cut Area	31 SF
Fill Area	26 SF



STA 390+00.00

Cut Area	29 SF
Fill Area	26 SF

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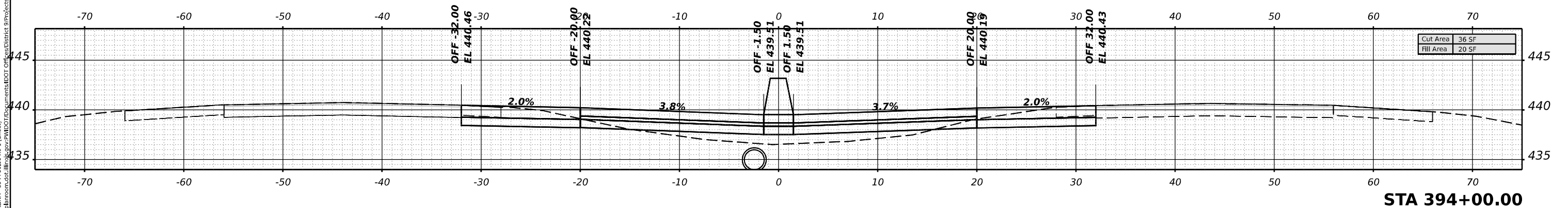
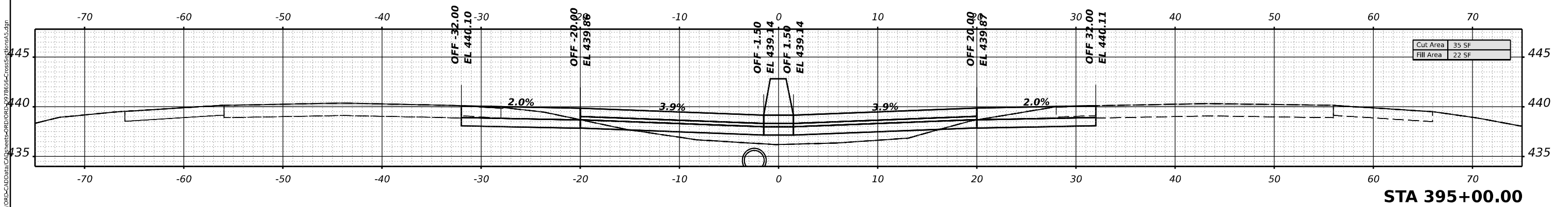
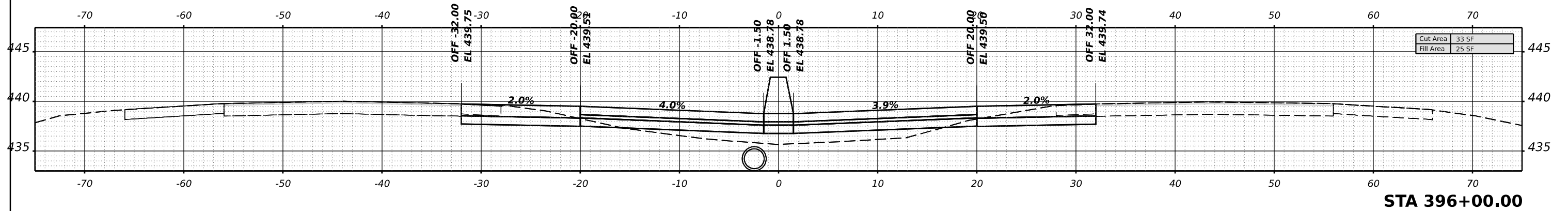
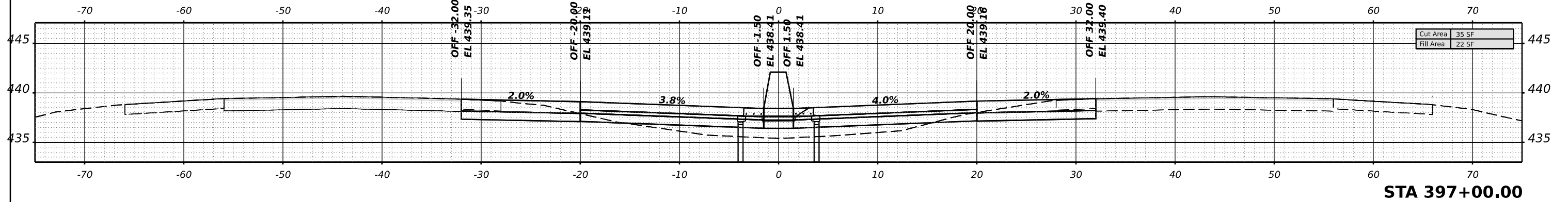
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

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57	*	FRANKLIN	403	268
			CONTRACT NO. 78656	
		ILLINOIS	FED. AID PROJECT	

*D9 I-57 Add Lane-4;(28-5)B-3



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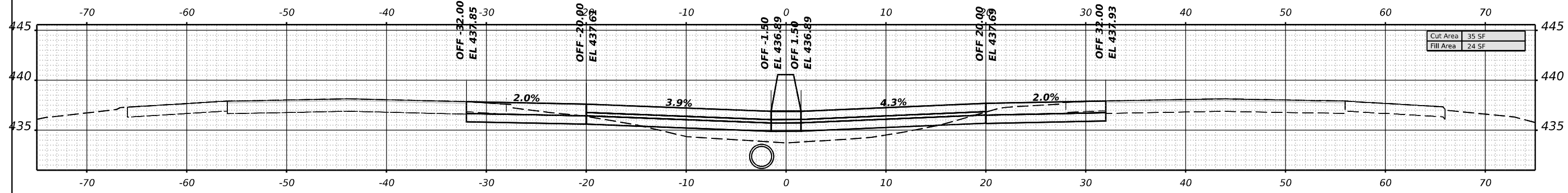
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 CROSS SECTIONS

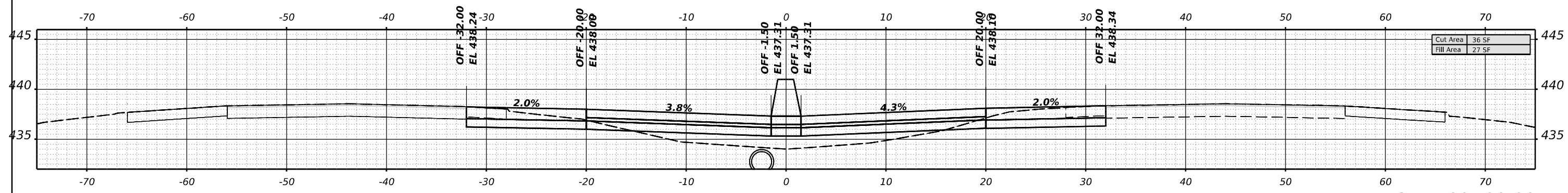
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

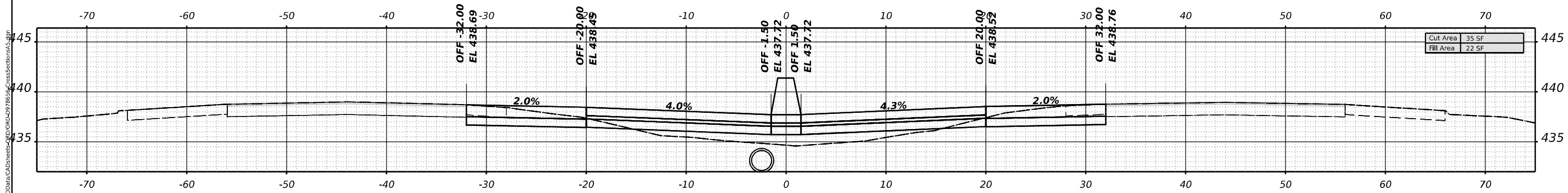
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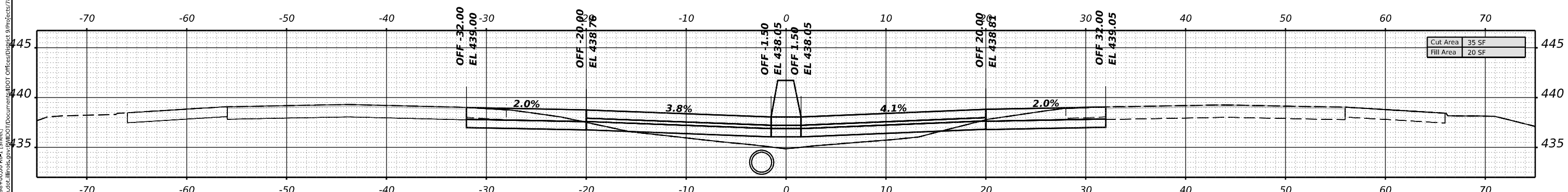
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STA 400+00.00



STA 399+00.00



STA 398+00.00

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PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

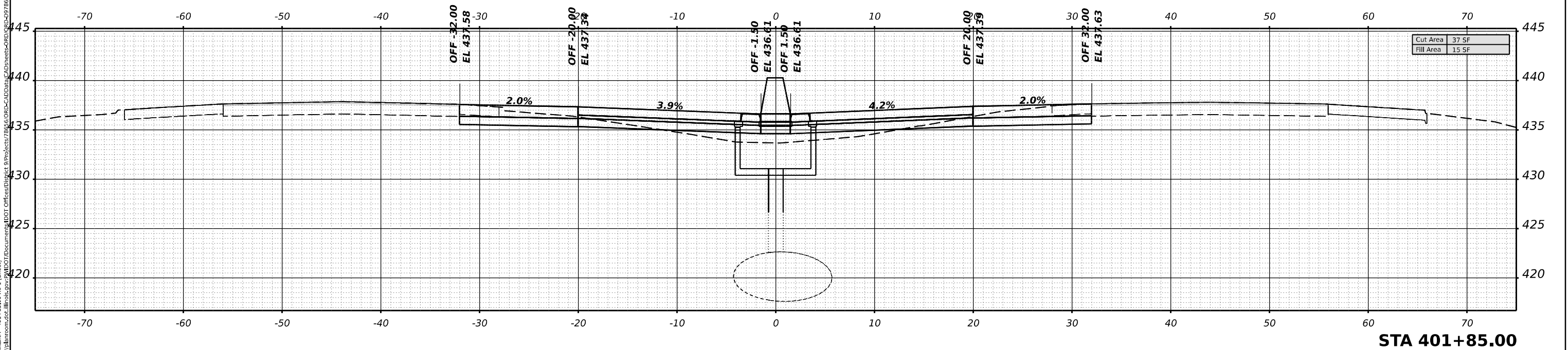
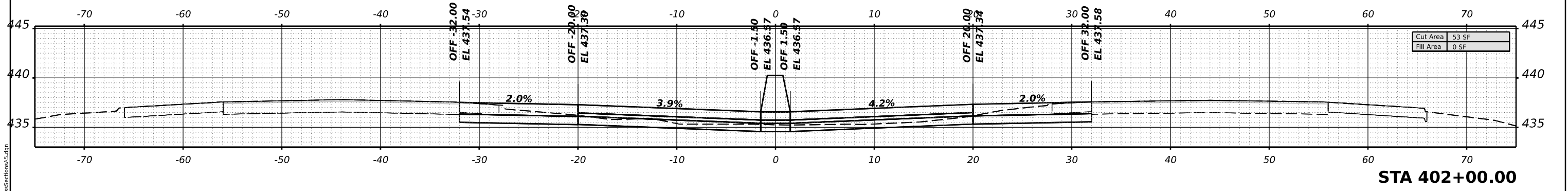
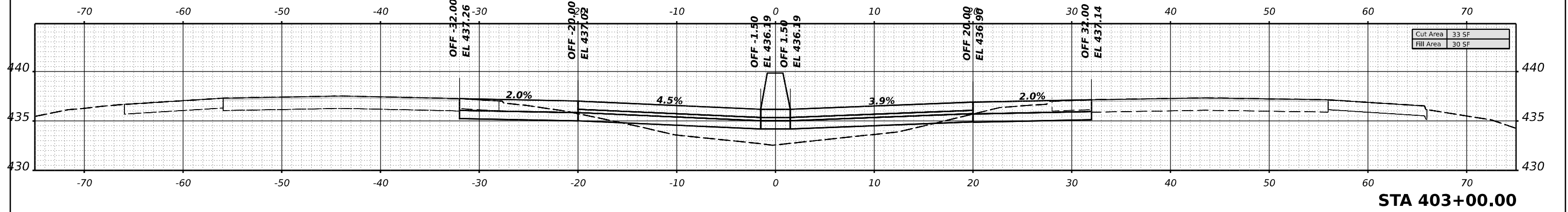
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	270
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3

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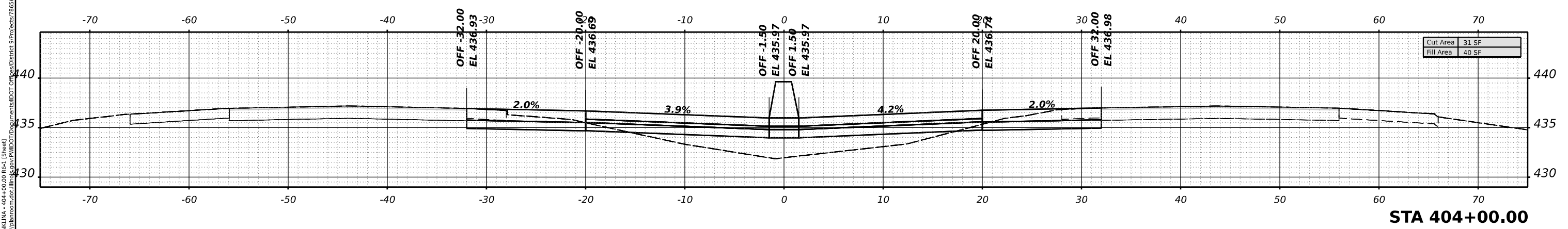
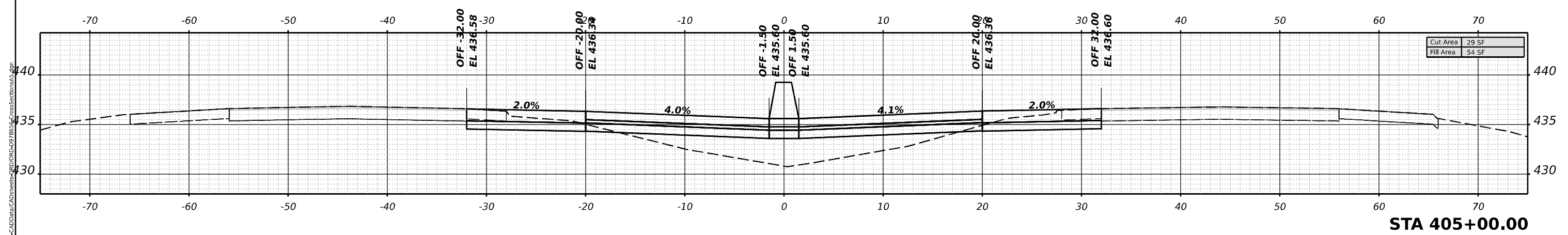
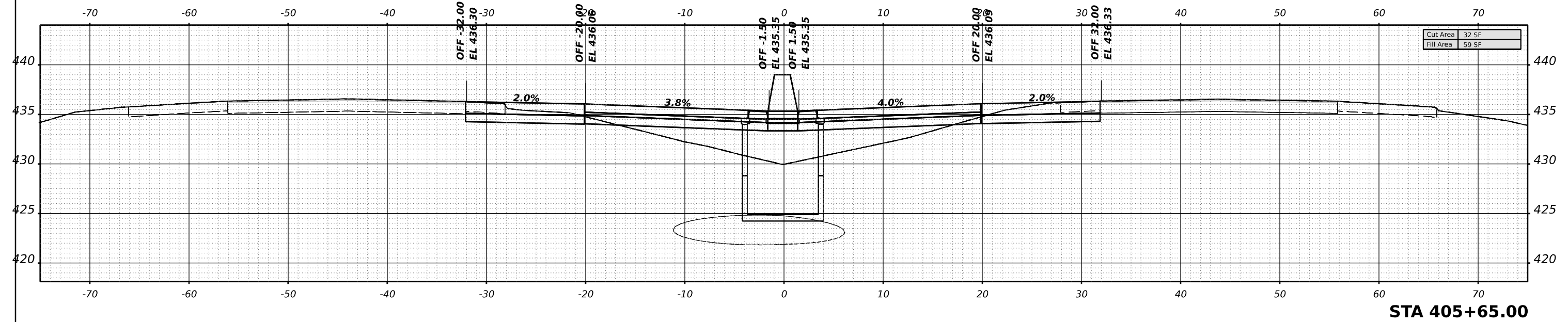
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA.
				TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	271
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3

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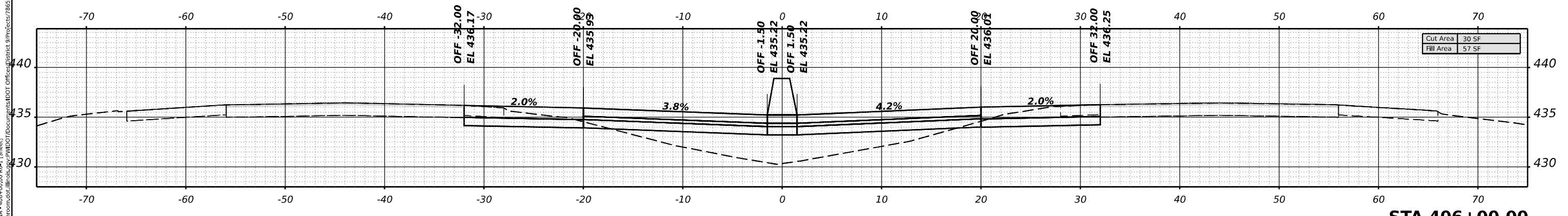
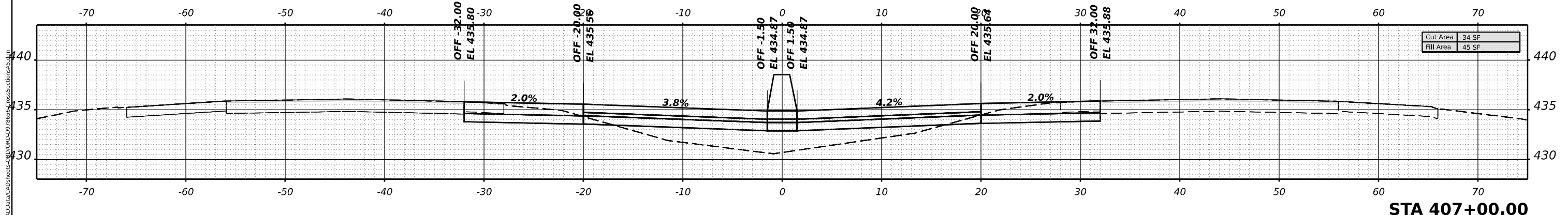
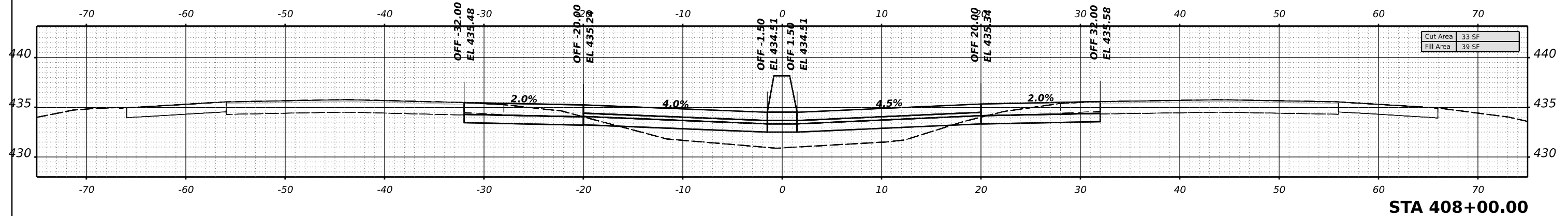
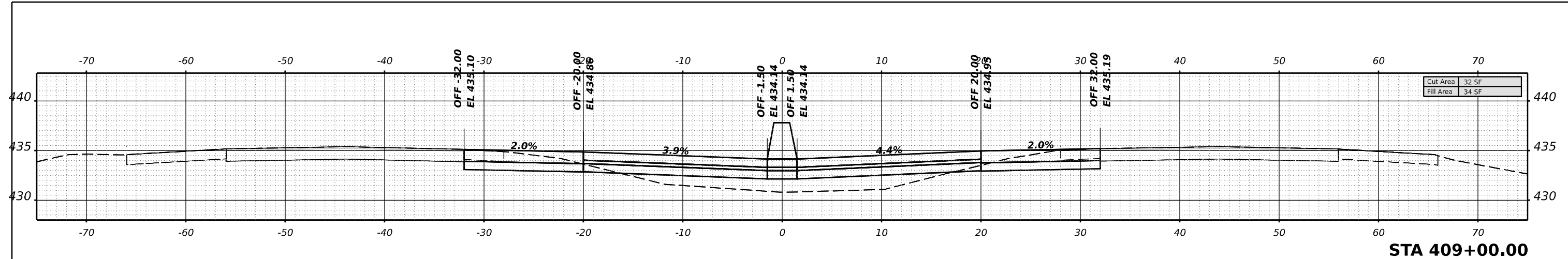
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	272
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



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PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

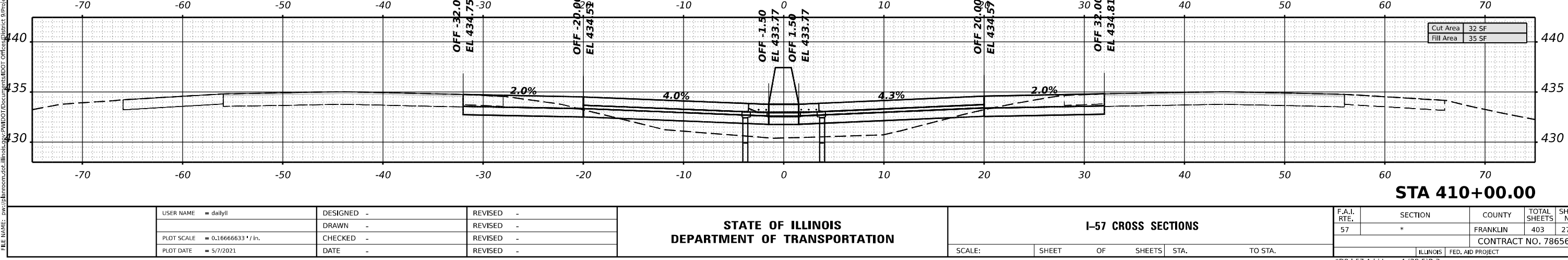
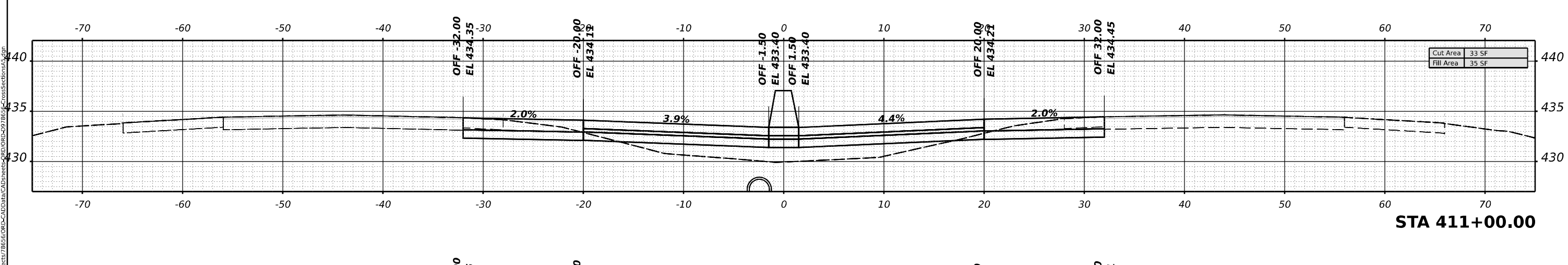
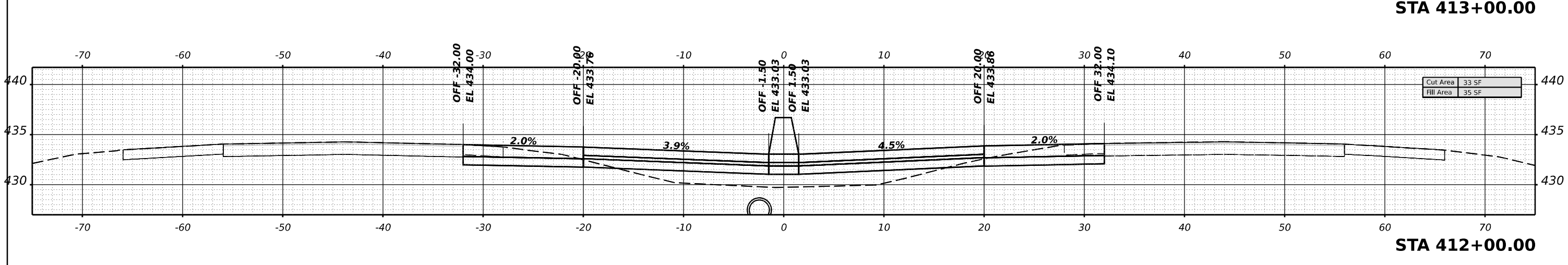
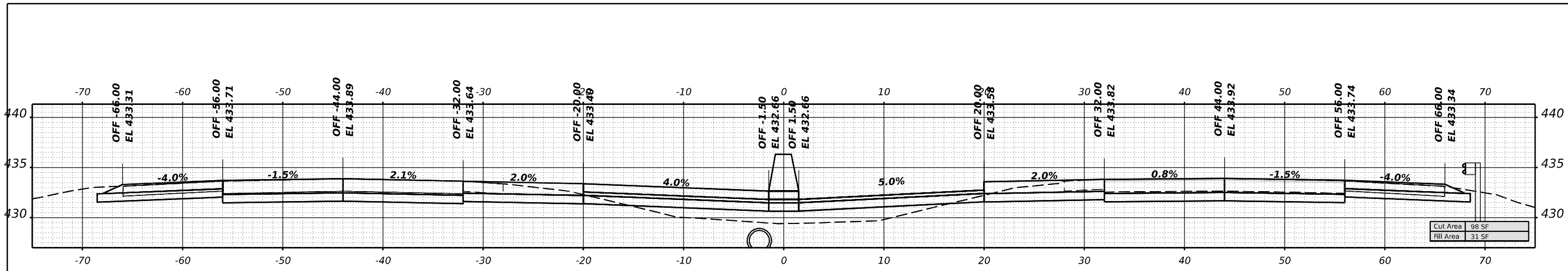
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	273
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

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PLOT DATE = 5/7/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

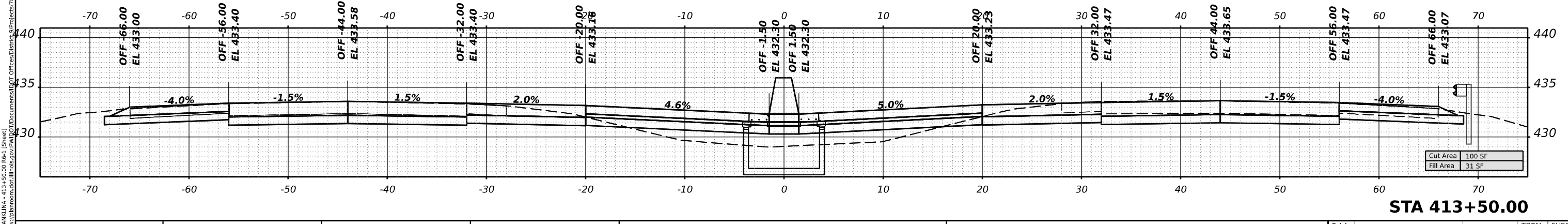
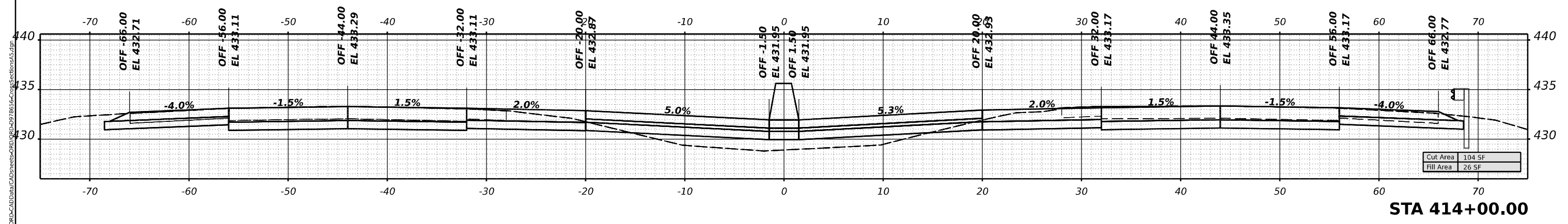
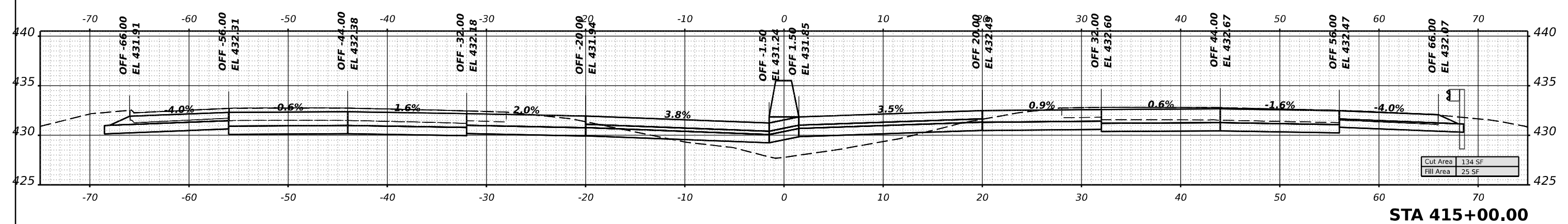
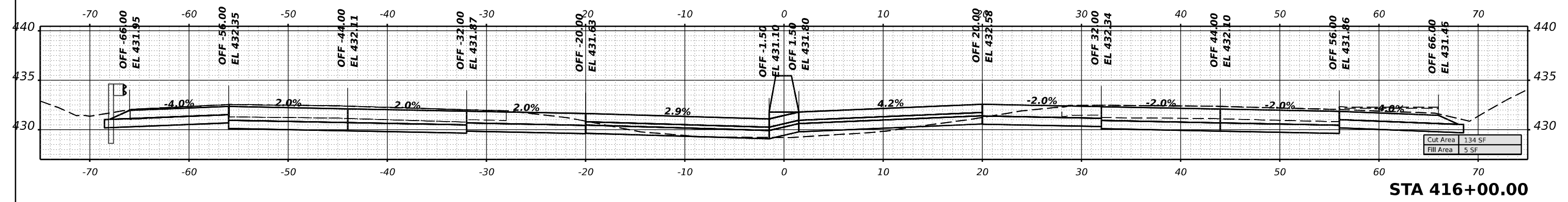
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	274
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3

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USER NAME = dailyll	DESIGNED -	REVISED -
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PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

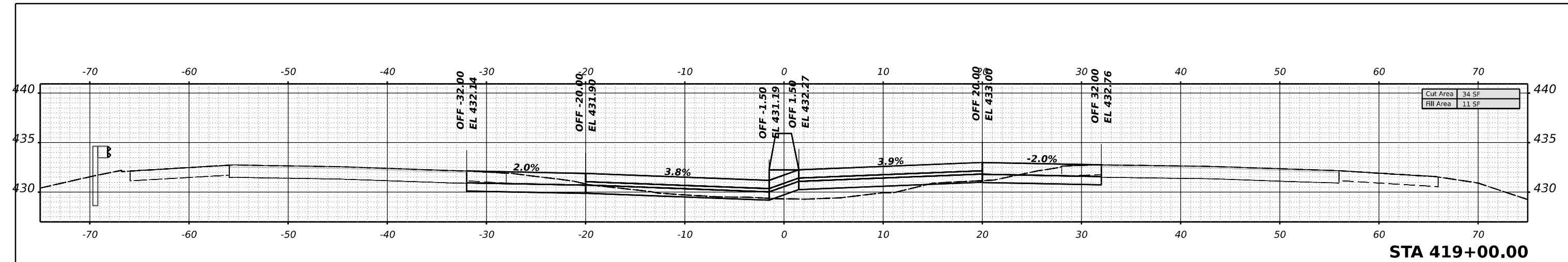
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 CROSS SECTIONS

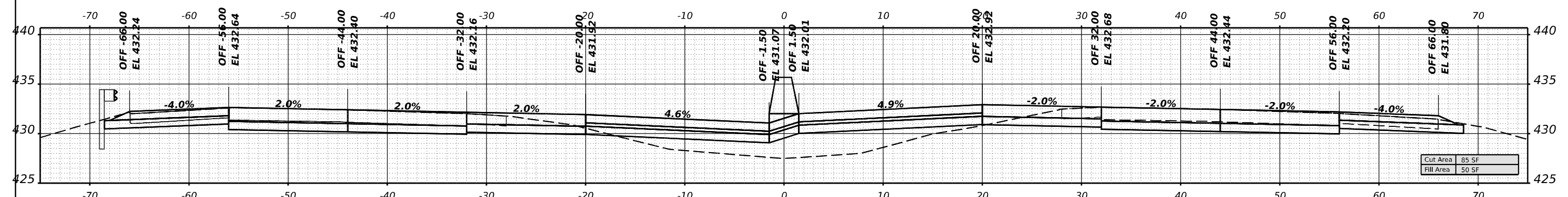
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	275
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

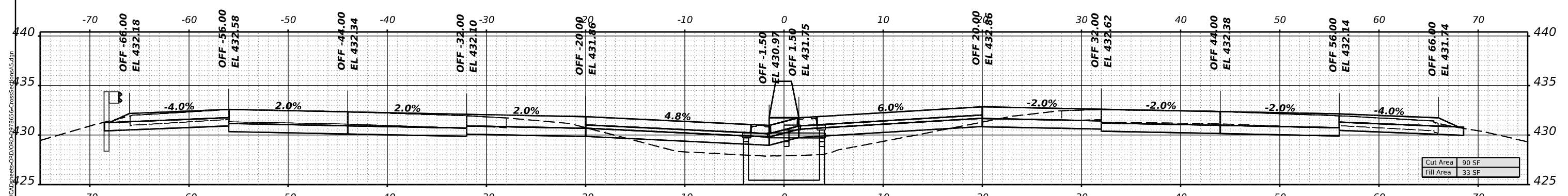
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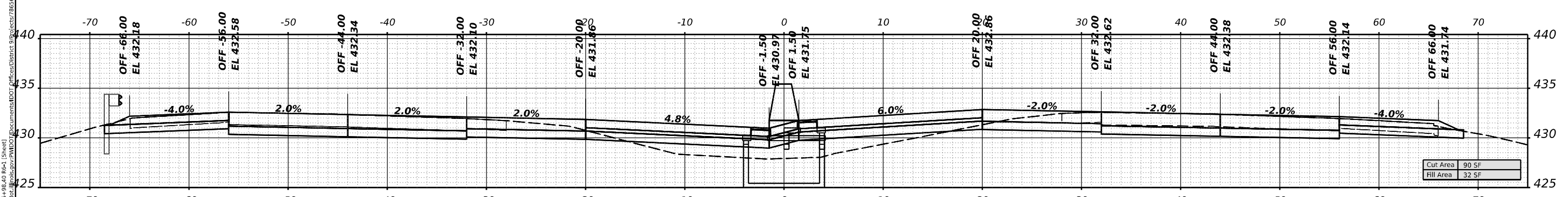
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STA 418+00.00



STA 417+00.00



STA 416+98.40

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PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

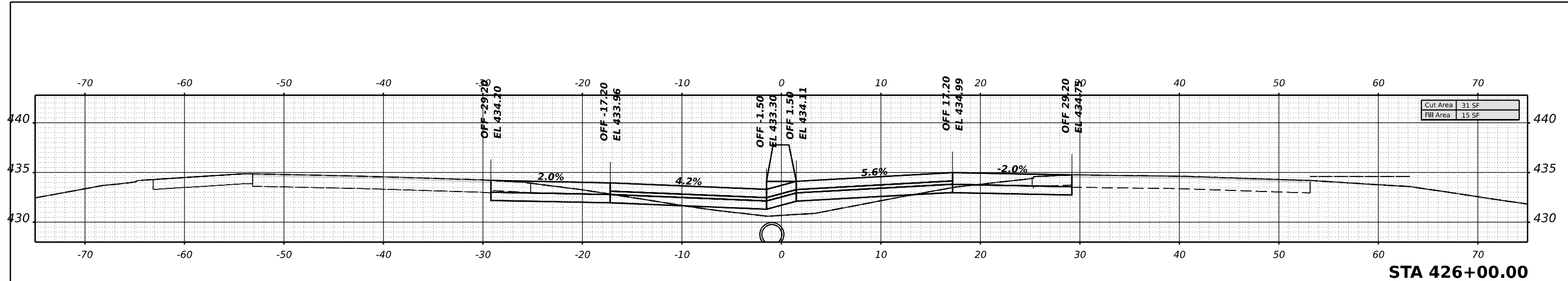
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 CROSS SECTIONS

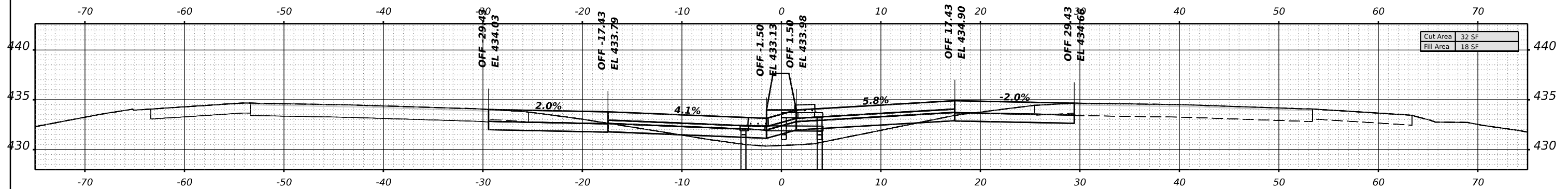
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	276
			CONTRACT NO. 78656	
		ILLINOIS	FED. AID PROJECT	

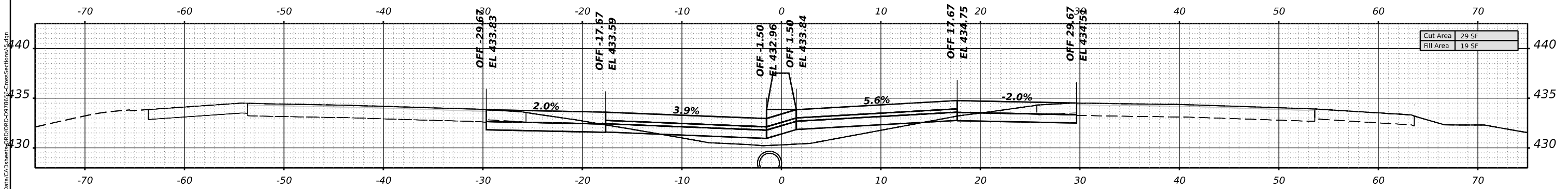
*D9 I-57 Add Lane-4:(28-5)B-3



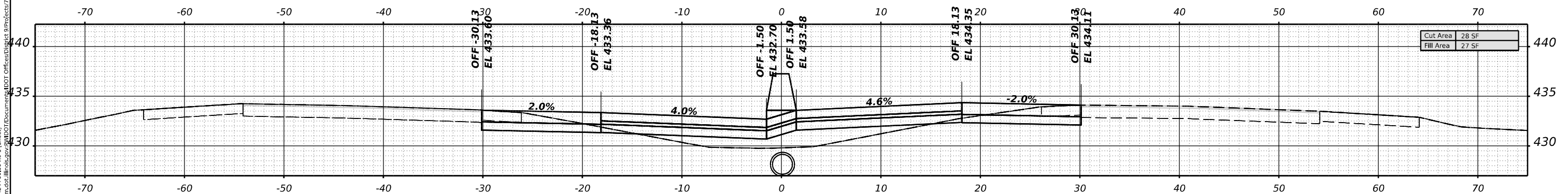
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STA 425+50.00



STA 425+00.00



STA 424+00.00

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PLOT DATE = 5/7/2021	DATE -	REVISED -

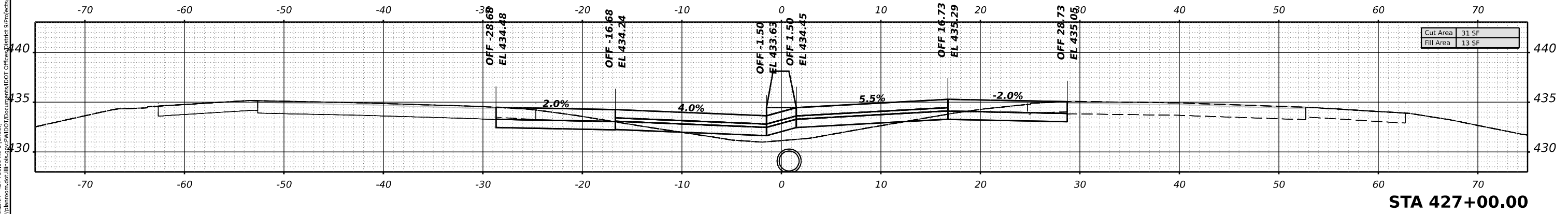
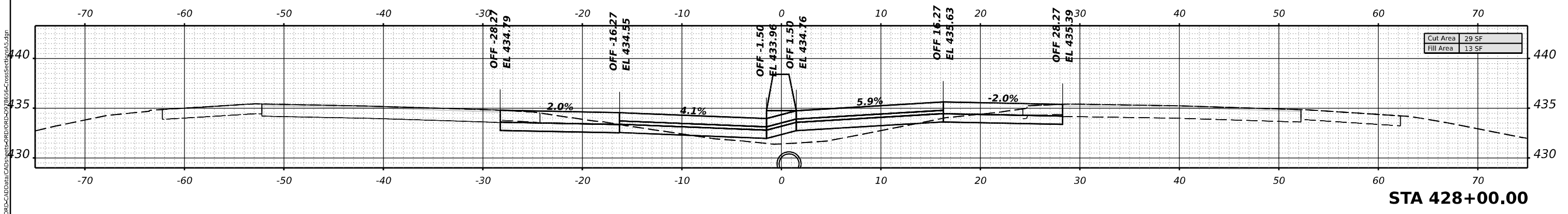
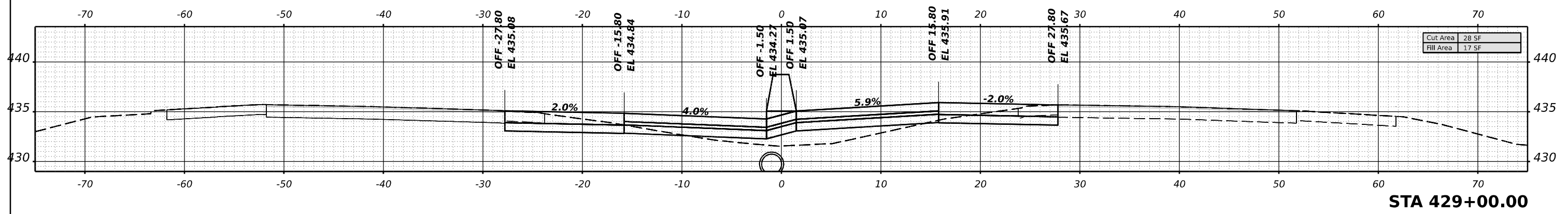
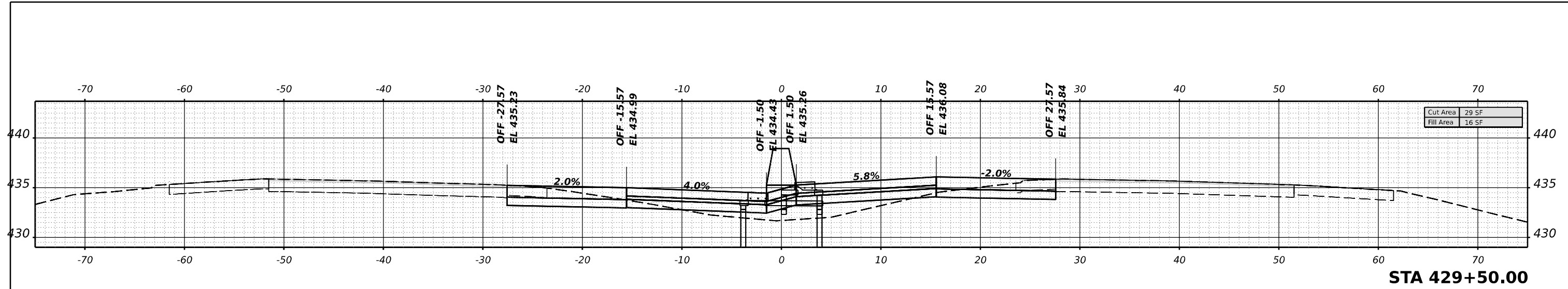
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	278
			CONTRACT NO. 78656	
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



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PLOT DATE = 5/7/2021	DATE -	REVISED -

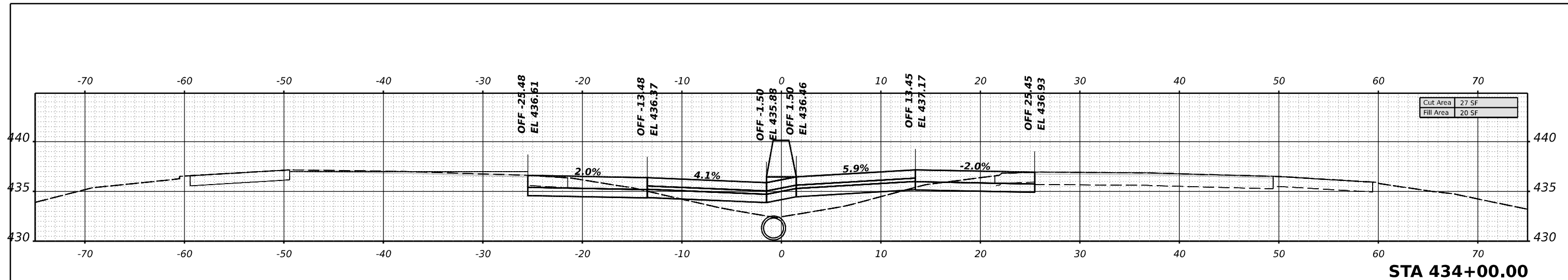
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

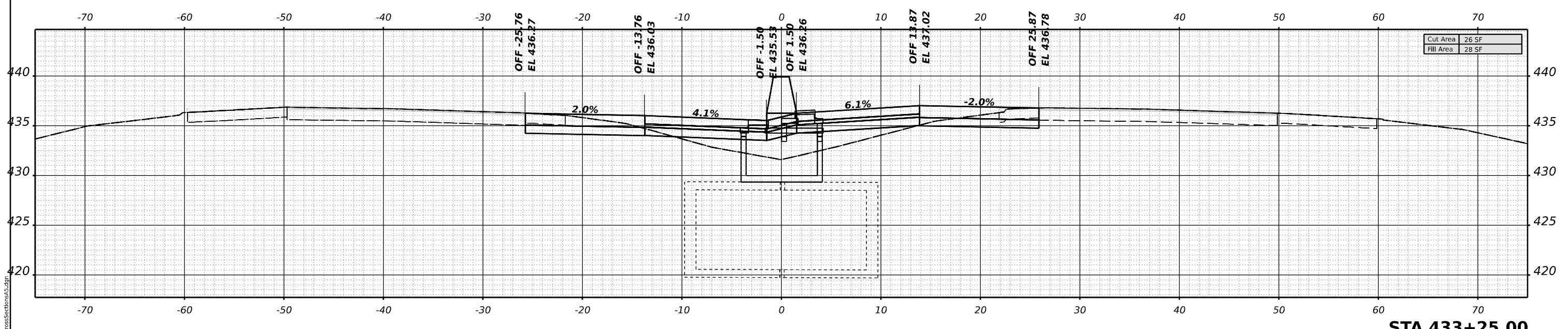
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	279
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3



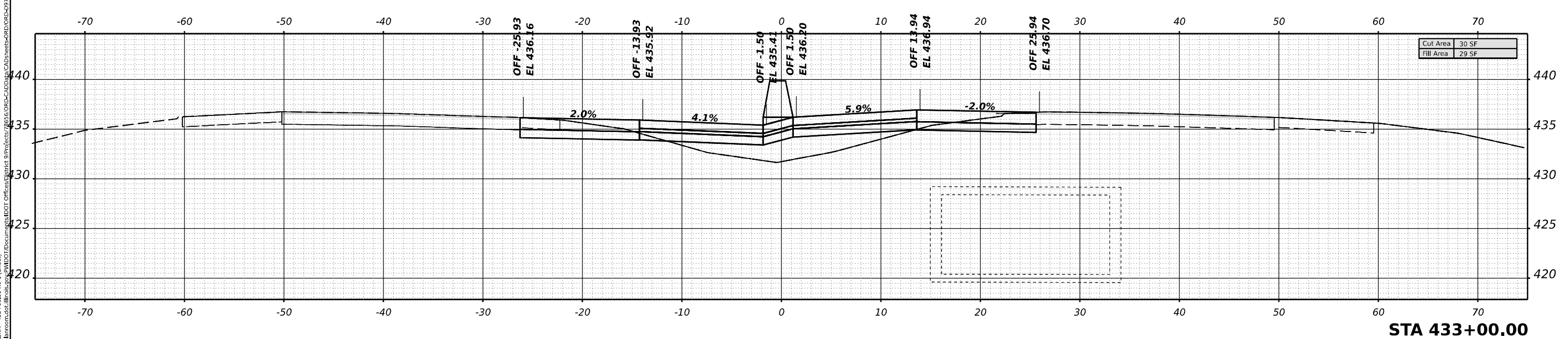
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Cut Area	27 SF
Fill Area	20 SF



STA 433+25.00

Cut Area	26 SF
Fill Area	28 SF



STA 433+00.00

Cut Area	30 SF
Fill Area	29 SF

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 DRAWING: I-57 Cross Sections.dwg
 DATE: 5/7/2021

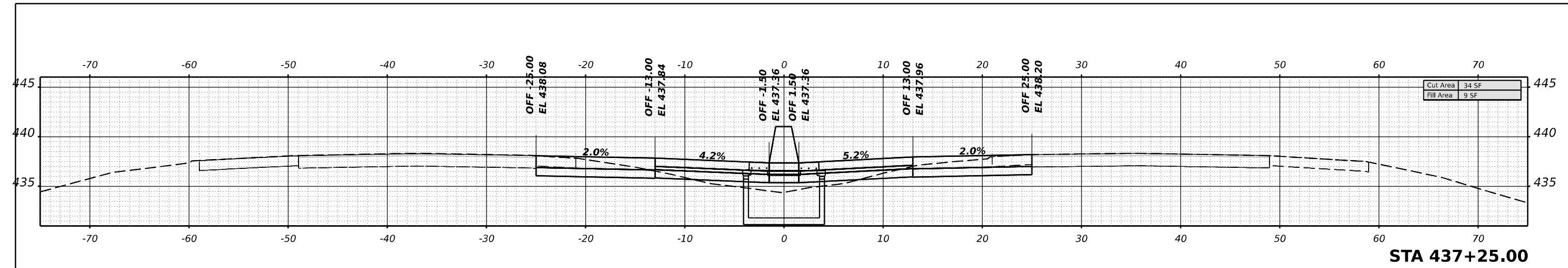
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PLOT DATE = 5/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

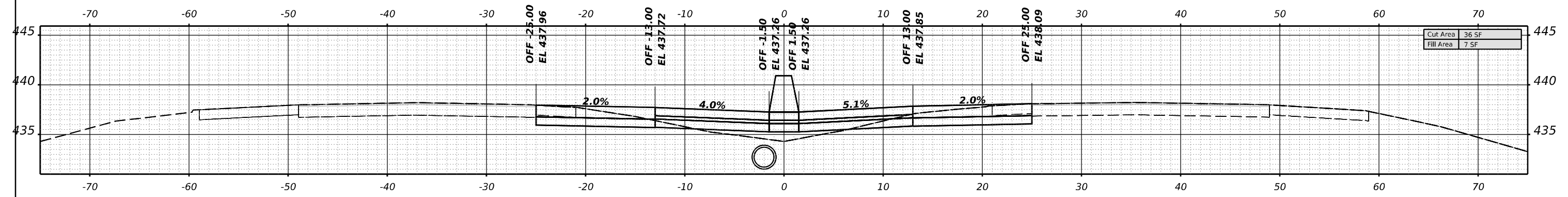
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	281
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



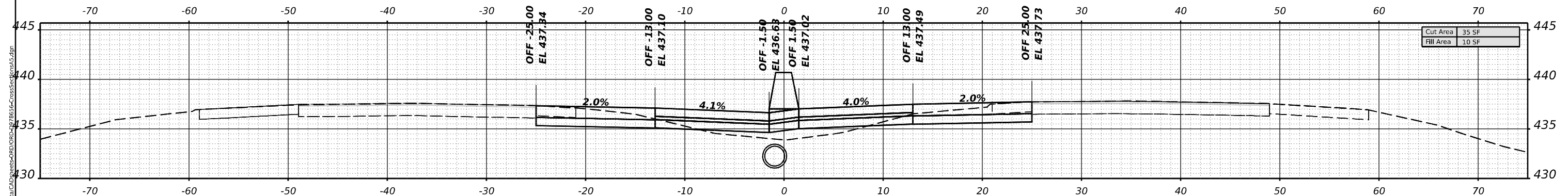
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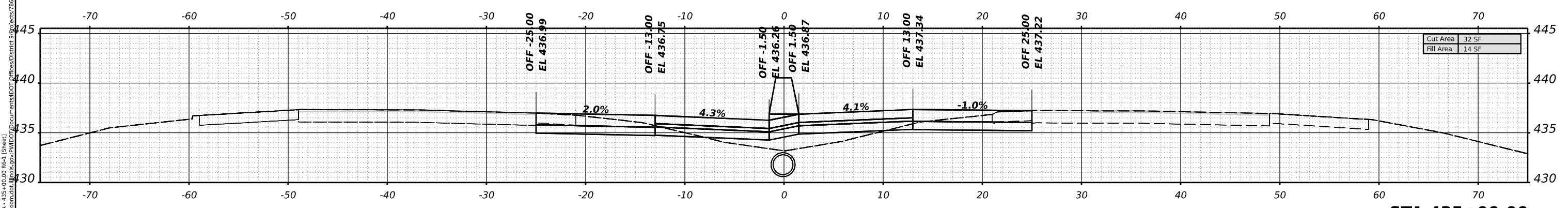
STA 437+00.00

Cut Area	36 SF
Fill Area	7 SF



STA 436+00.00

Cut Area	35 SF
Fill Area	10 SF



STA 435+00.00

Cut Area	32 SF
Fill Area	14 SF

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 DATE: 5/7/2021

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PLOT DATE = 5/7/2021	CHECKED -	REVISED -
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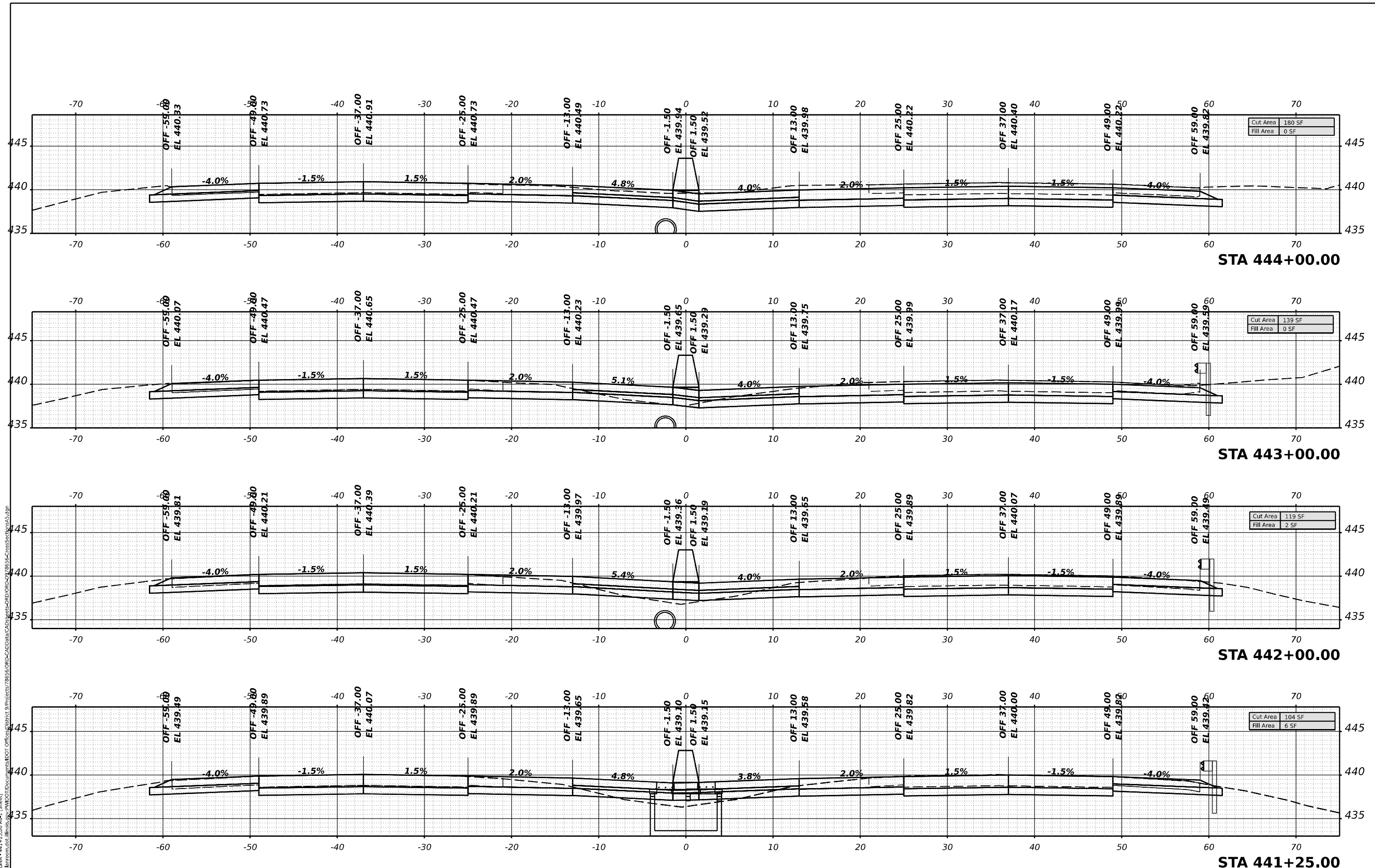
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	282
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3



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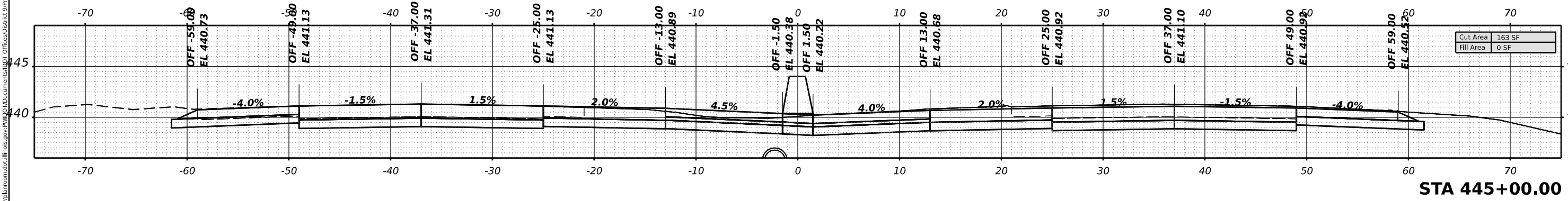
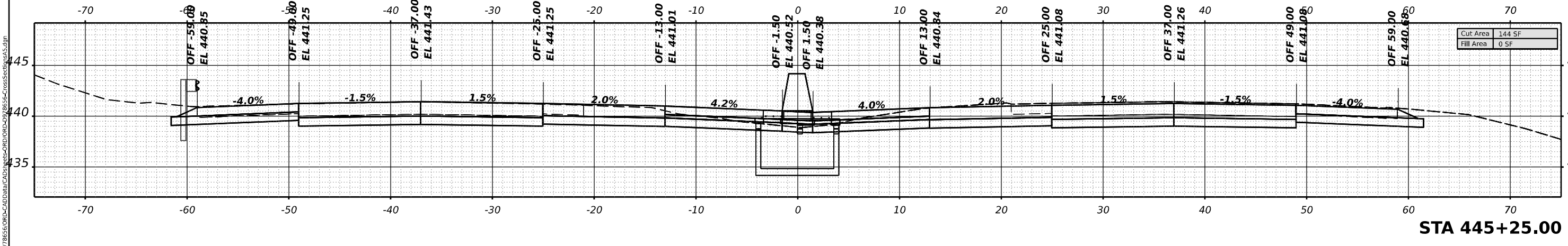
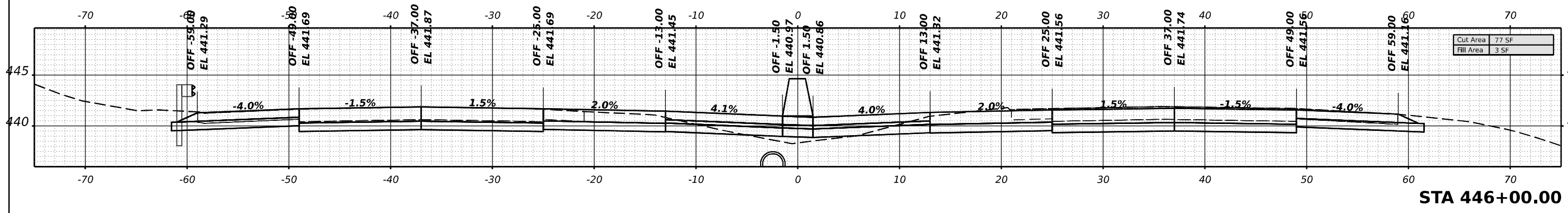
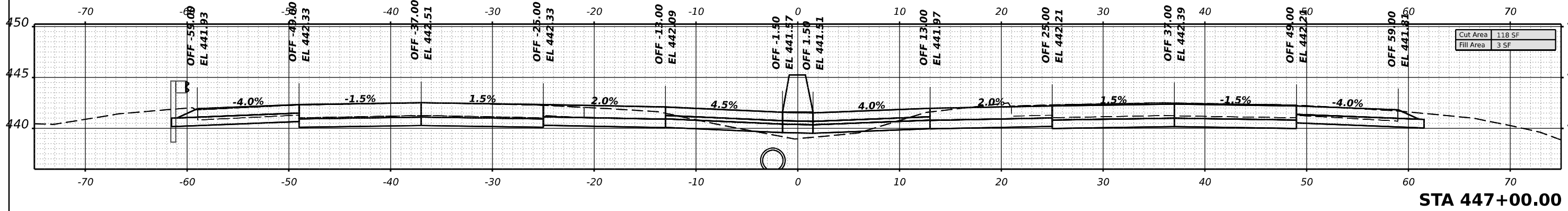
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 CROSS SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	284
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

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PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

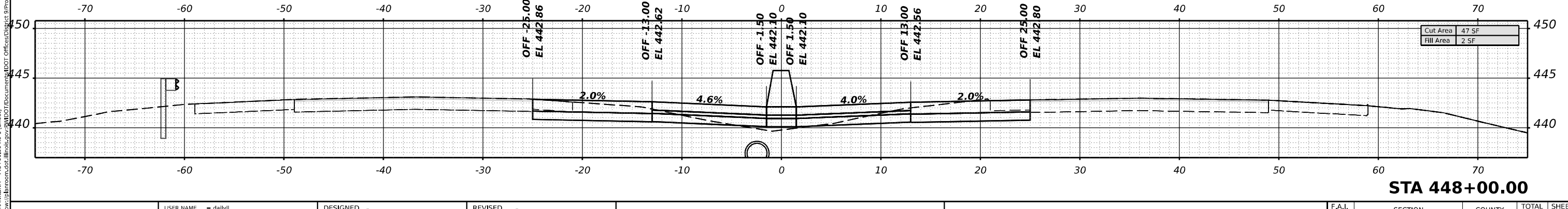
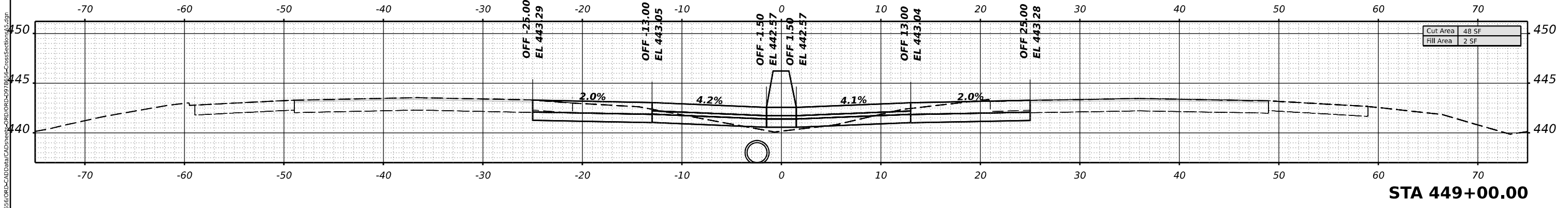
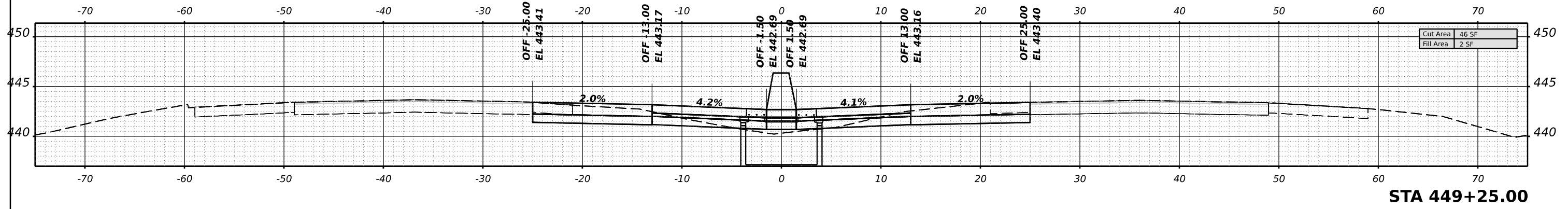
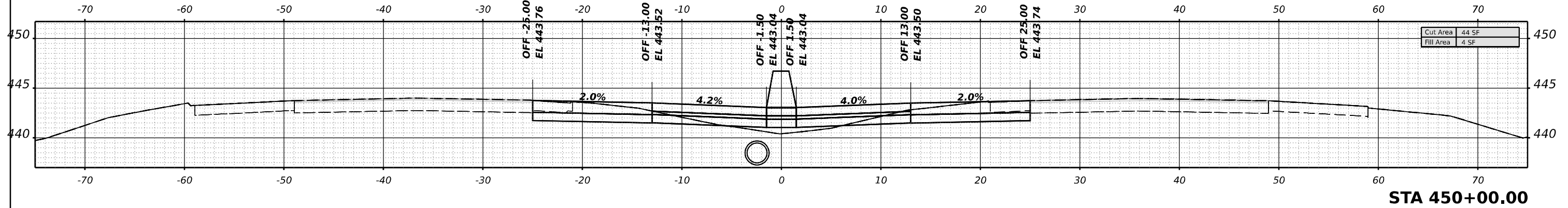
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	285
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4:(28-5)B-3

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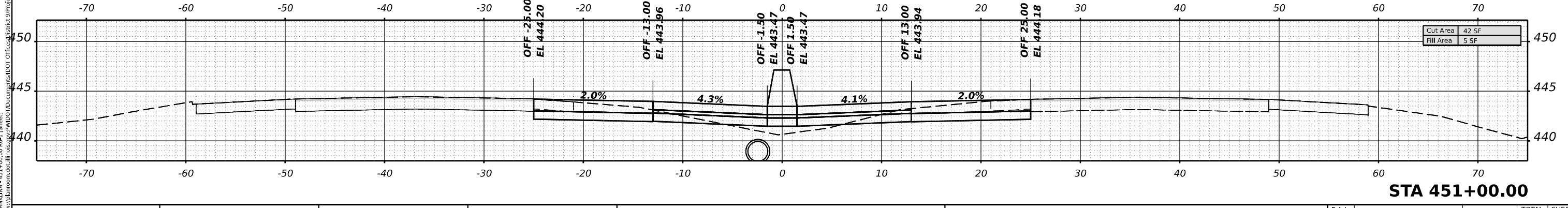
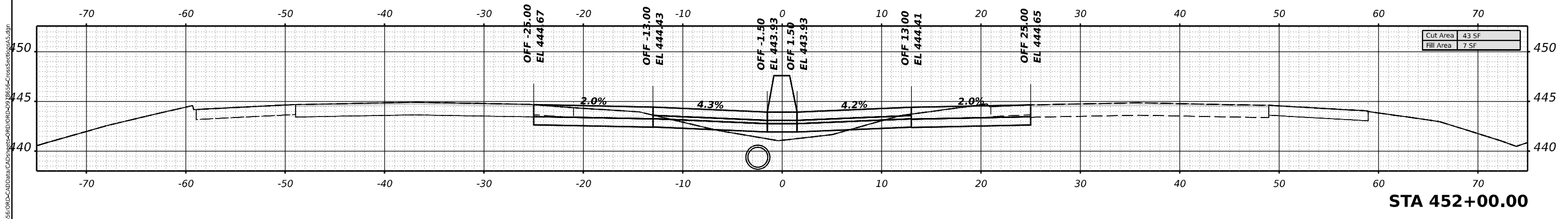
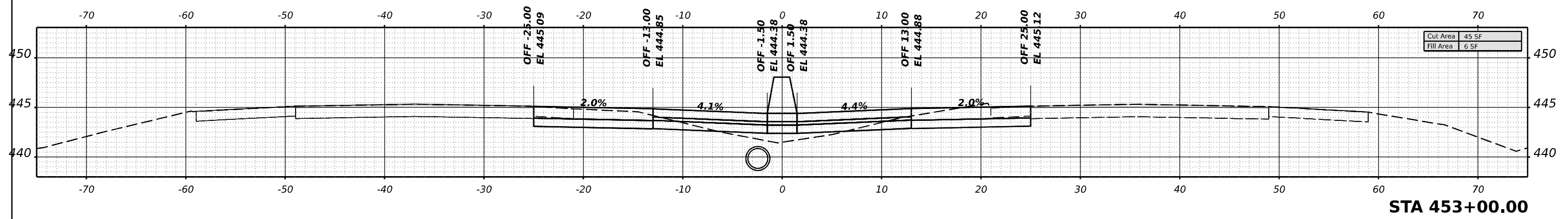
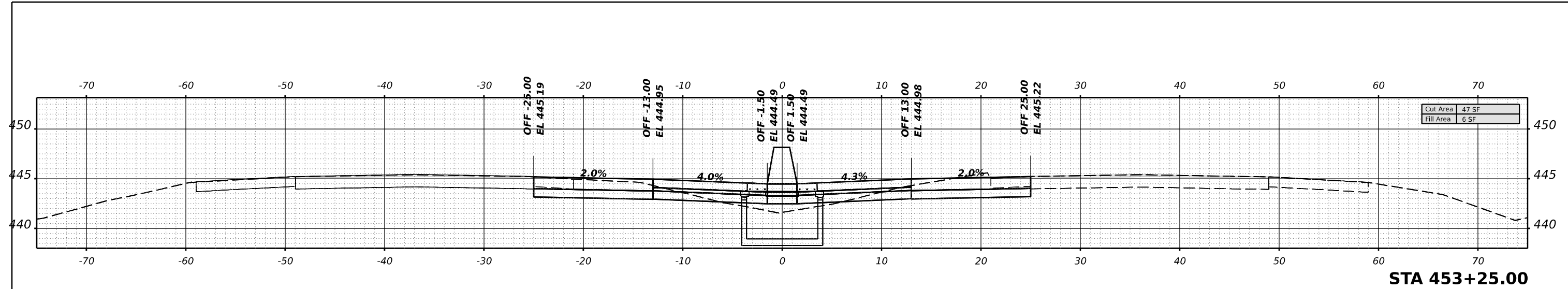
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA.
				TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	FRANKLIN	403	286
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



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	DATE -	REVISED -

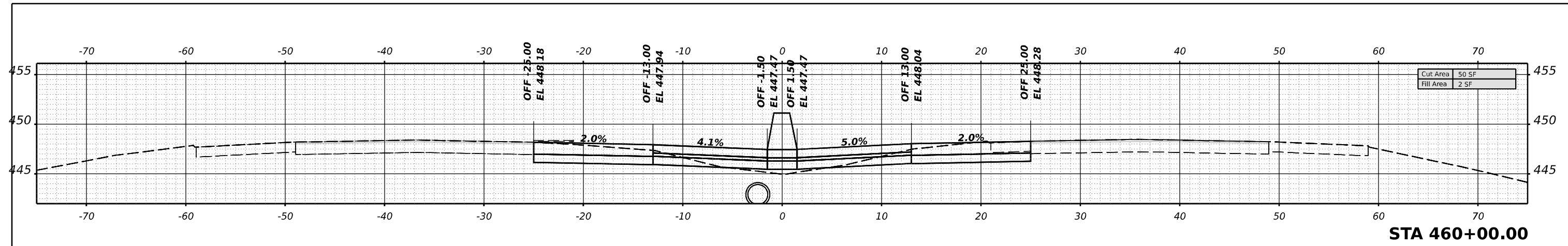
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA.
				TO STA.

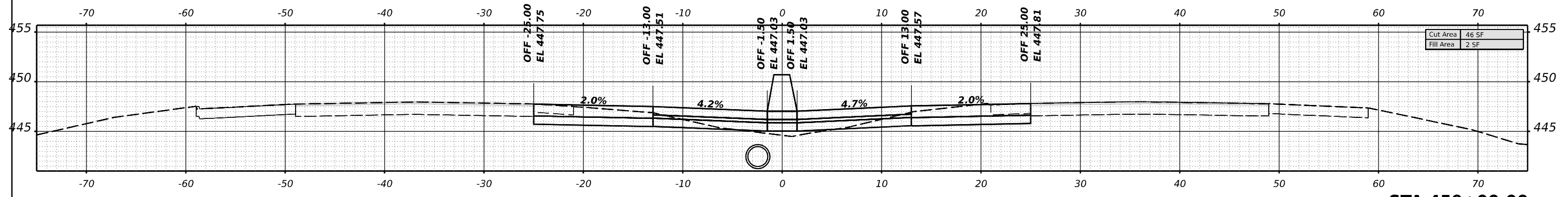
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	287
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

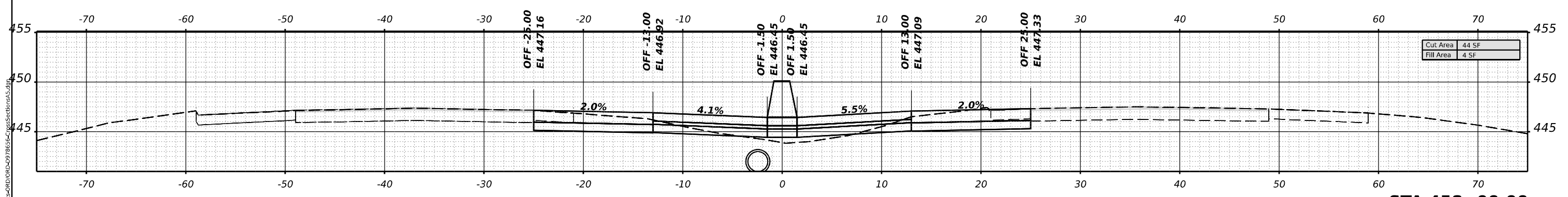
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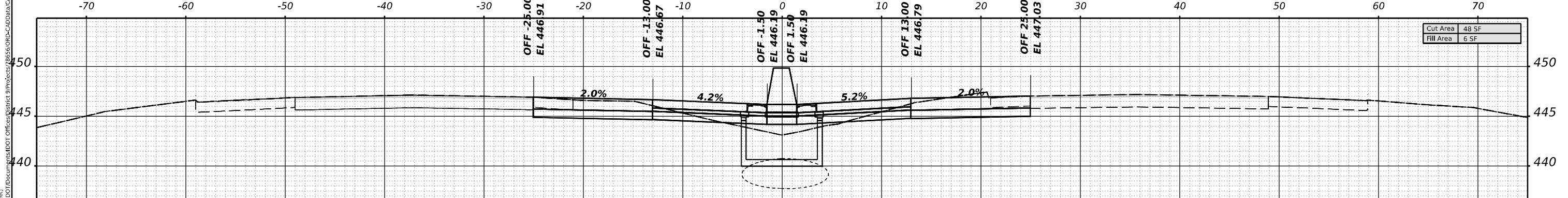
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STA 459+00.00



STA 458+00.00



STA 457+20.00

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PLOT DATE = 5/7/2021	DATE -	REVISED -

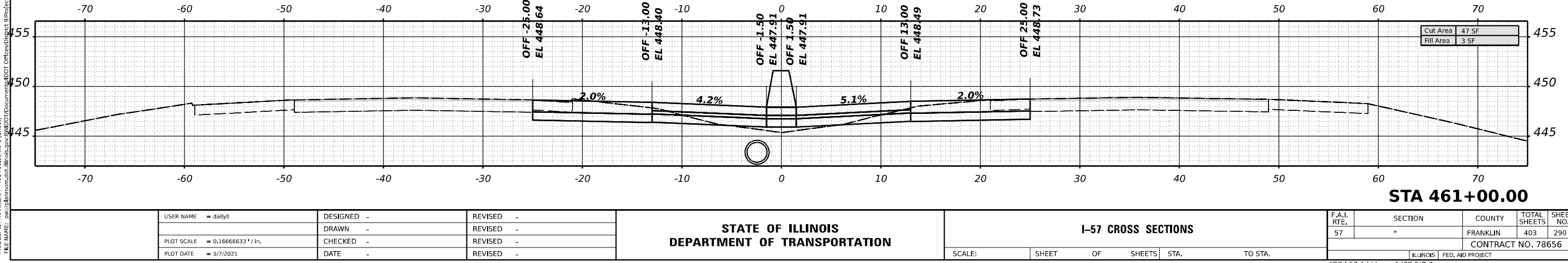
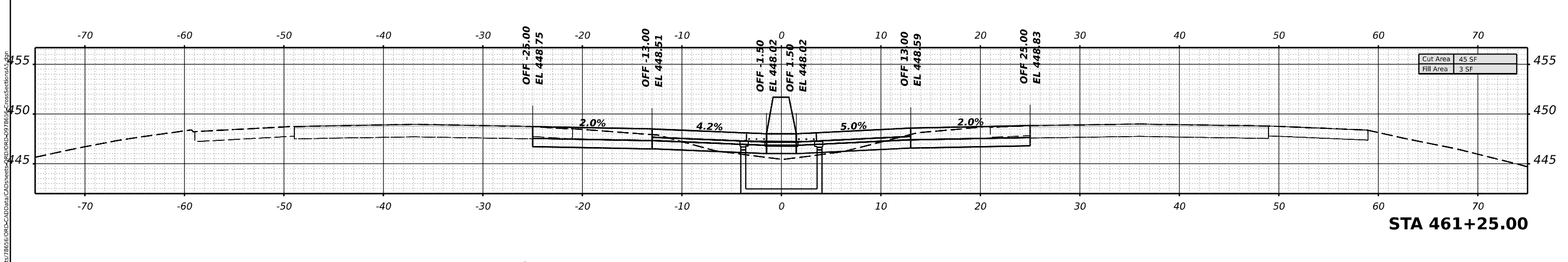
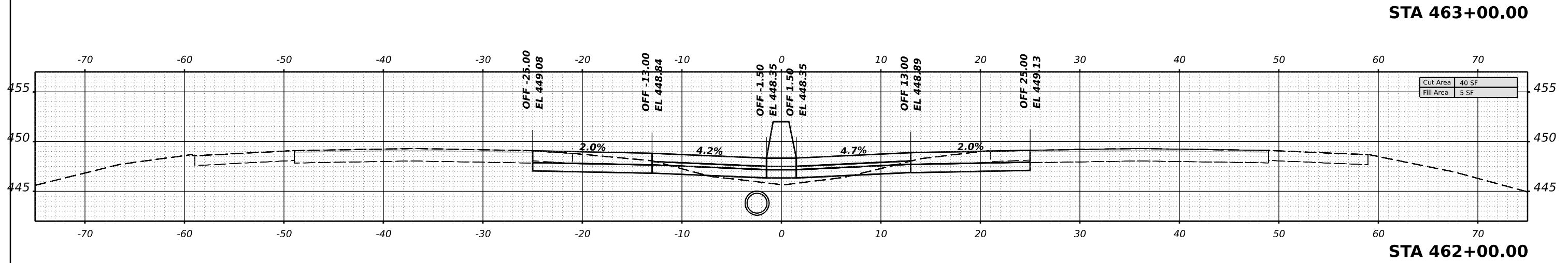
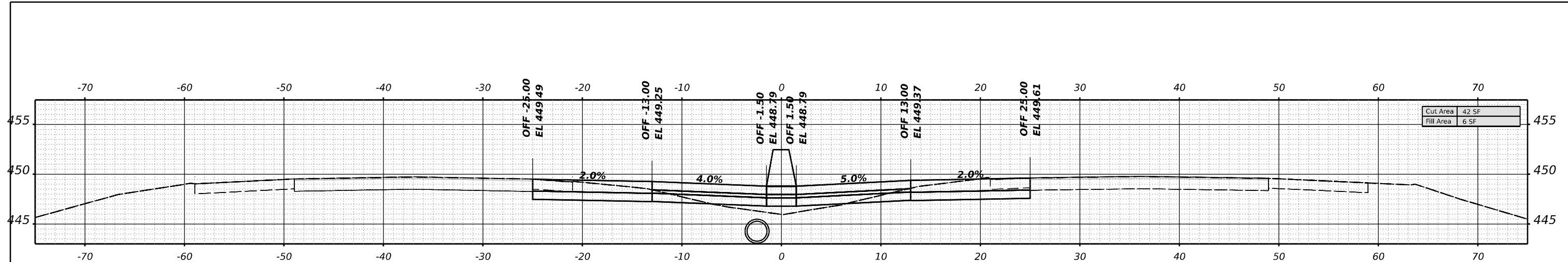
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	289
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



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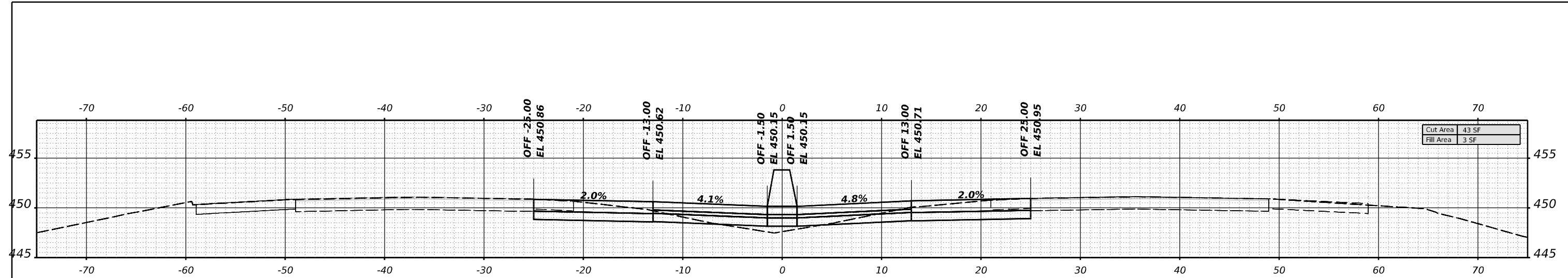
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

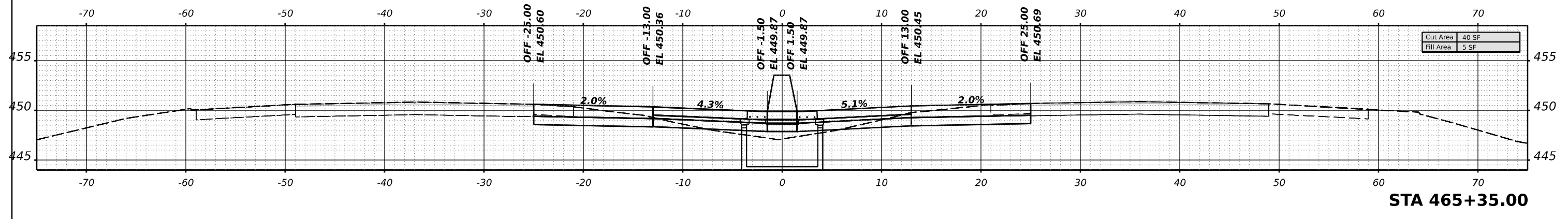
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	290
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



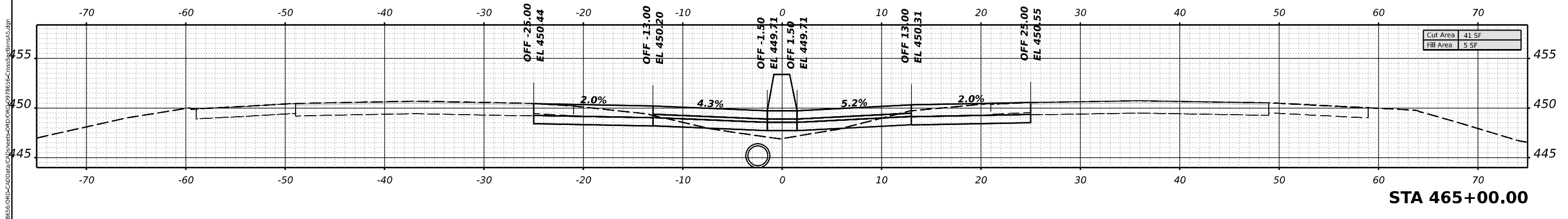
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Cut Area	43 SF
Fill Area	3 SF



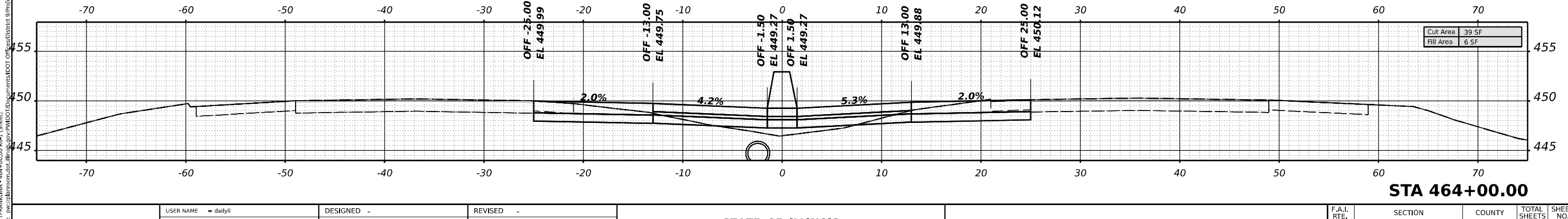
STA 465+35.00

Cut Area	40 SF
Fill Area	5 SF



STA 465+00.00

Cut Area	41 SF
Fill Area	5 SF



STA 464+00.00

Cut Area	39 SF
Fill Area	6 SF

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USER NAME =	dailyll	DESIGNED -	REVISIED -
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PLOT DATE =	5/7/2021	CHECKED -	REVISIED -
		DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

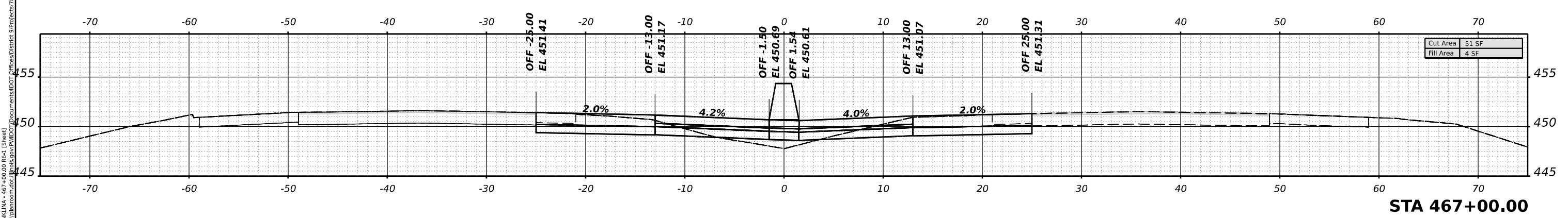
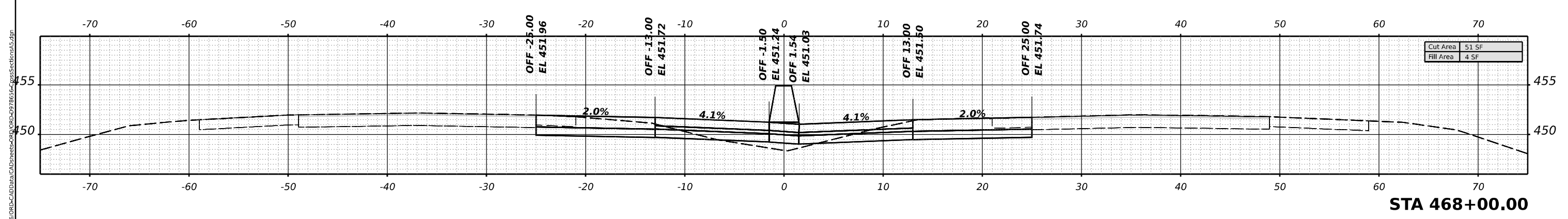
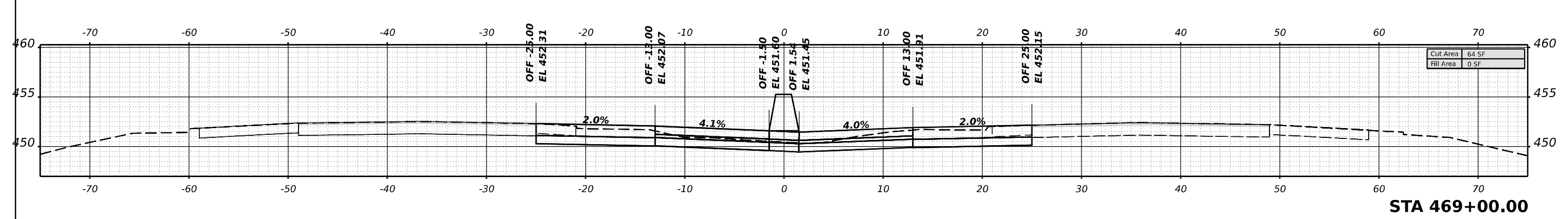
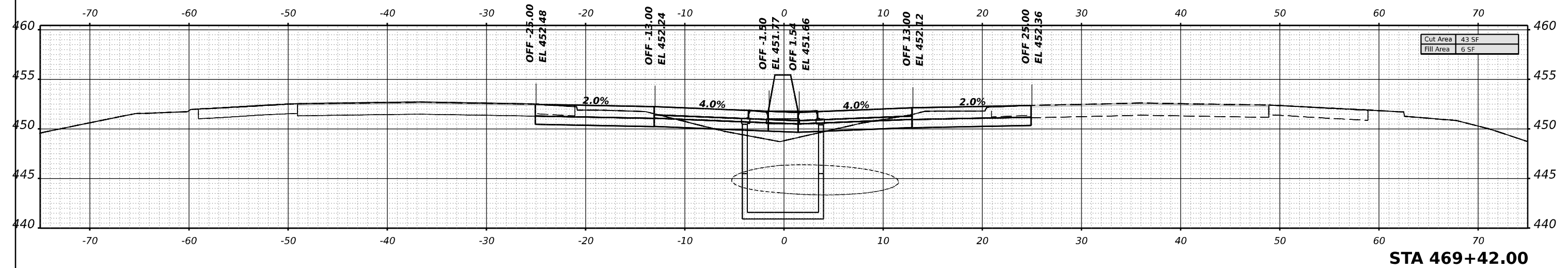
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	291
			CONTRACT NO. 78656	
		ILLINOIS FED. AID PROJECT		

*D9 I-57 Add Lane-4;(28-5)B-3

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USER NAME = dailyll	DESIGNED -	REVISED -
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PLOT DATE = 5/7/2021	DATE -	REVISED -

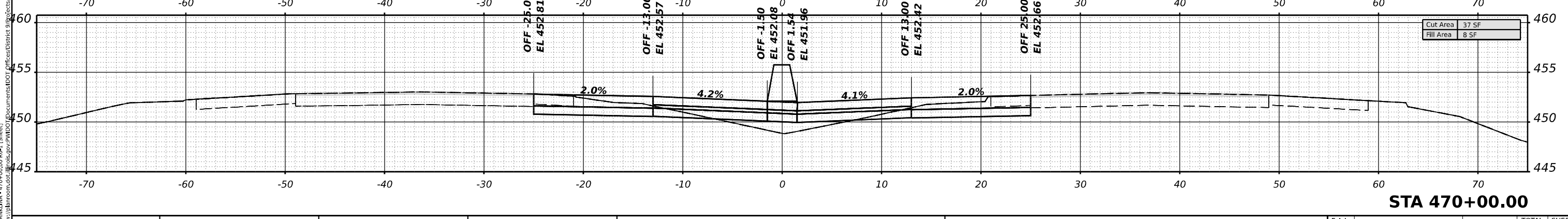
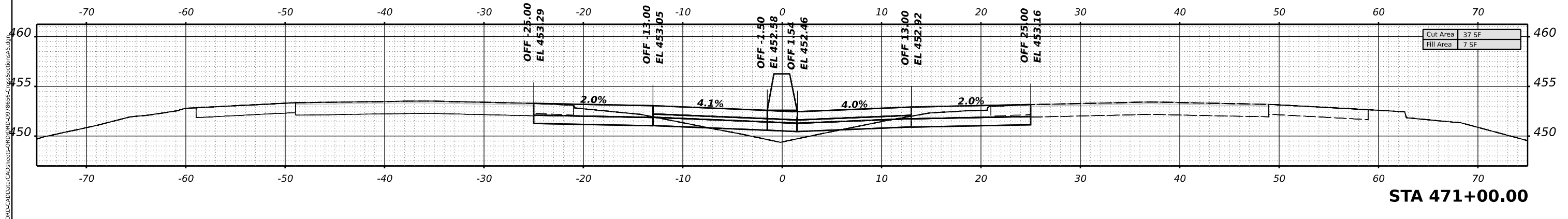
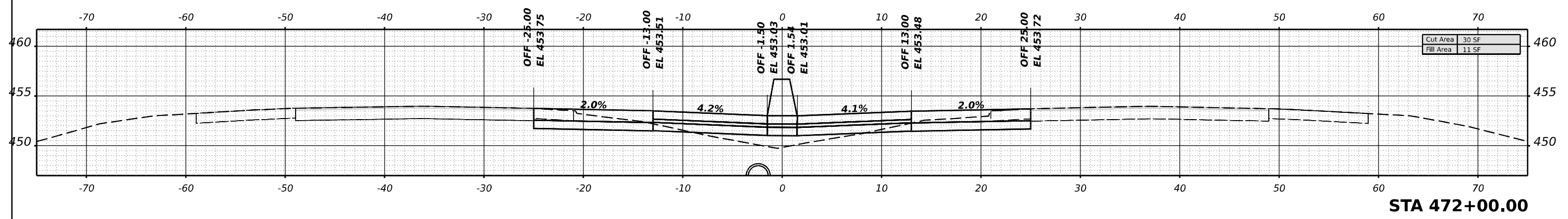
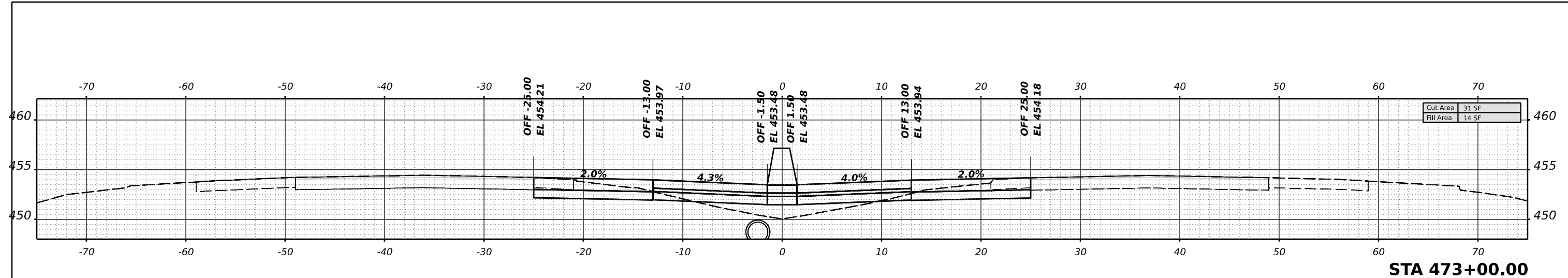
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	292
CONTRACT NO. 78656				
		ILLINOIS FED. AID PROJECT		

*D9 I-57 Add Lane-4:(28-5)B-3



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 PROJECT: I-57 Cross Sections
 DATE: 5/7/2021

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PLOT DATE = 5/7/2021	CHECKED -	REVISED -
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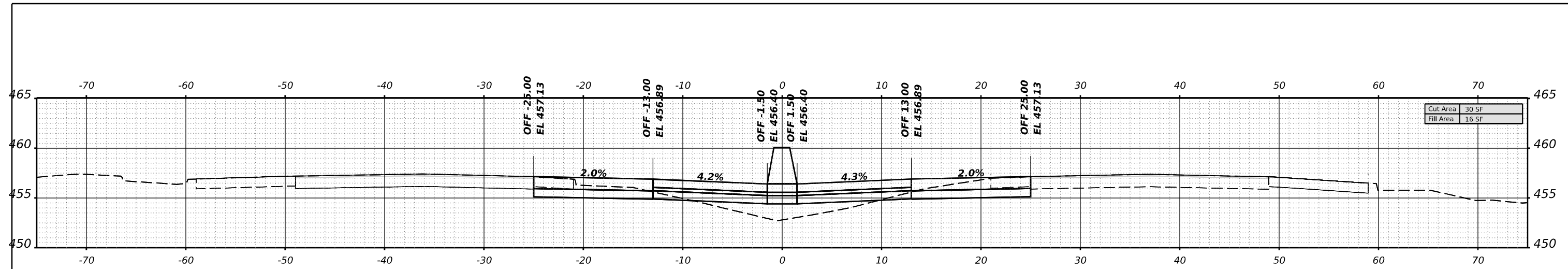
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

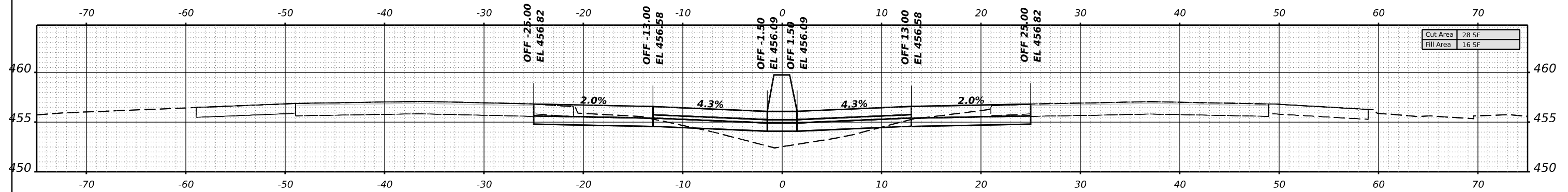
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	293
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3



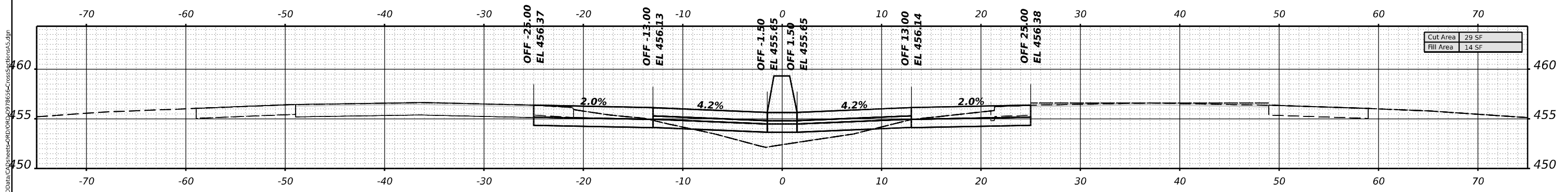
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Cut Area	30 SF
Fill Area	16 SF



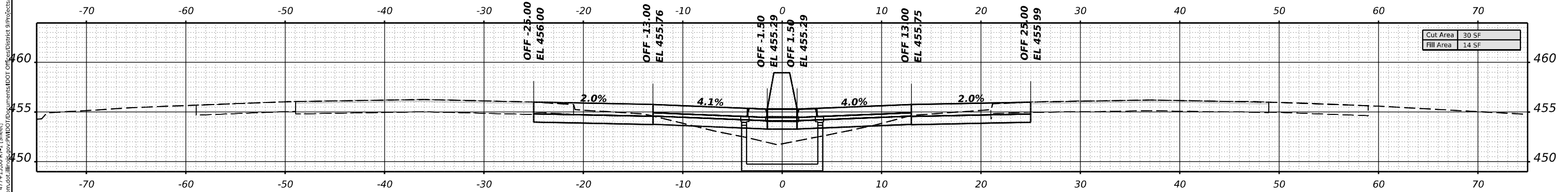
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Cut Area	28 SF
Fill Area	16 SF



STA 478+00.00

Cut Area	29 SF
Fill Area	14 SF



STA 477+15.00

Cut Area	30 SF
Fill Area	14 SF

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PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2021	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

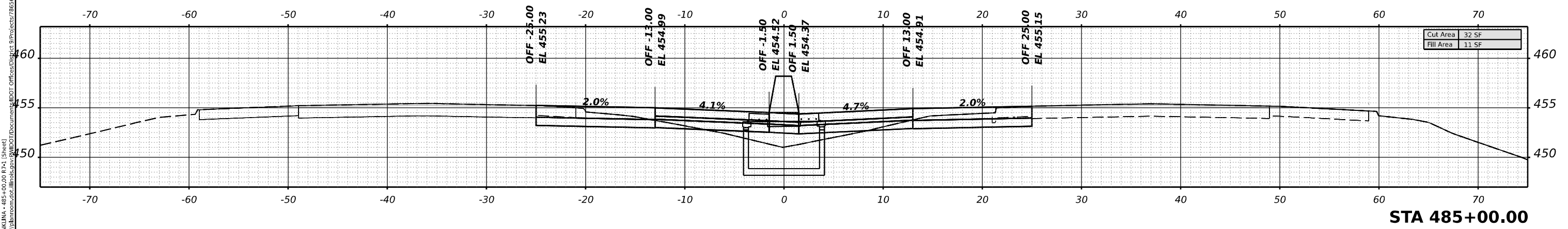
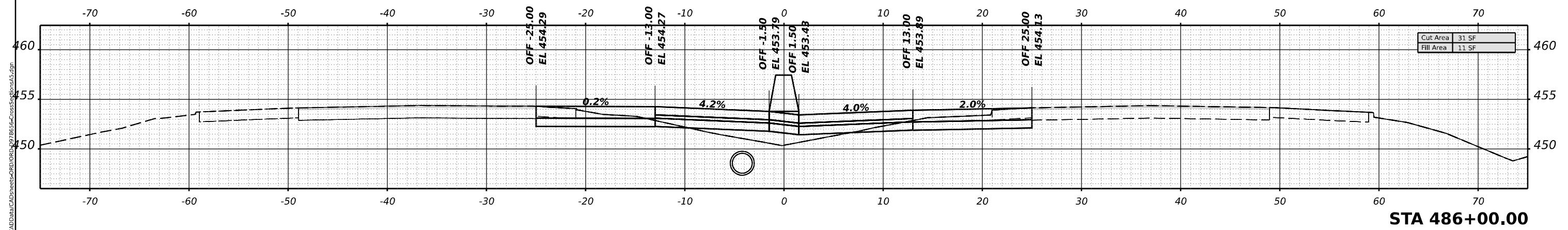
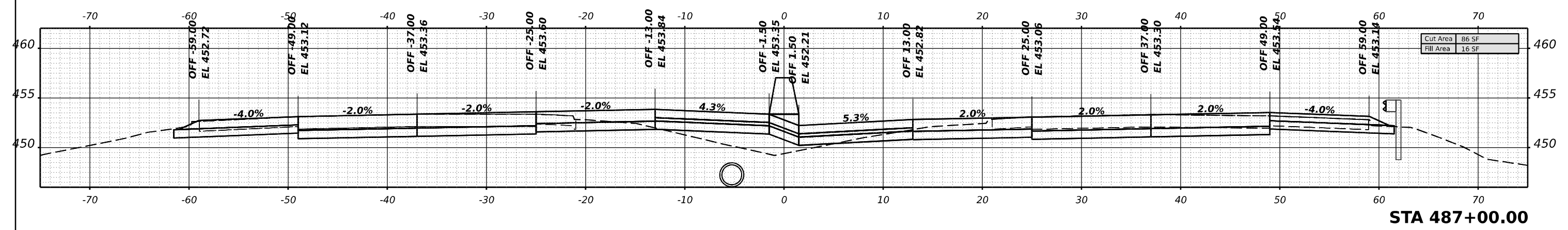
I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	295
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3

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DRAWN -	REVISOR -	REVISION -
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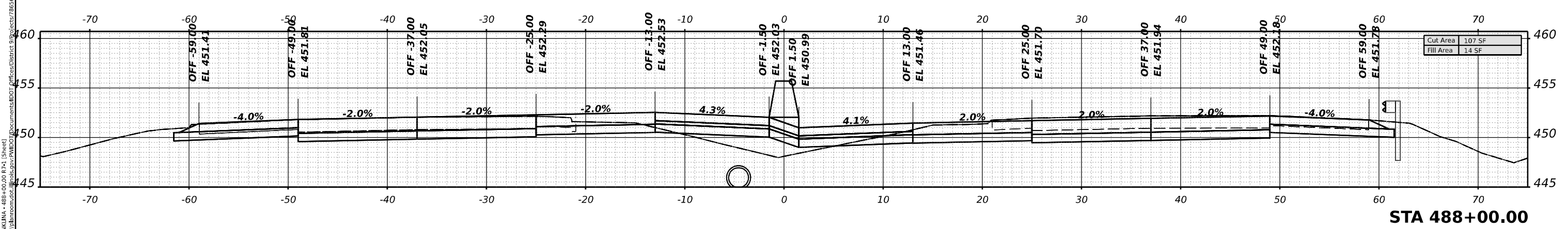
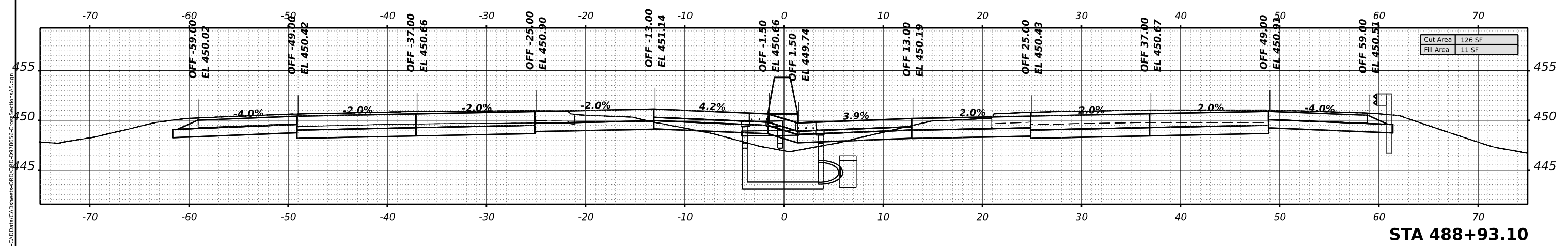
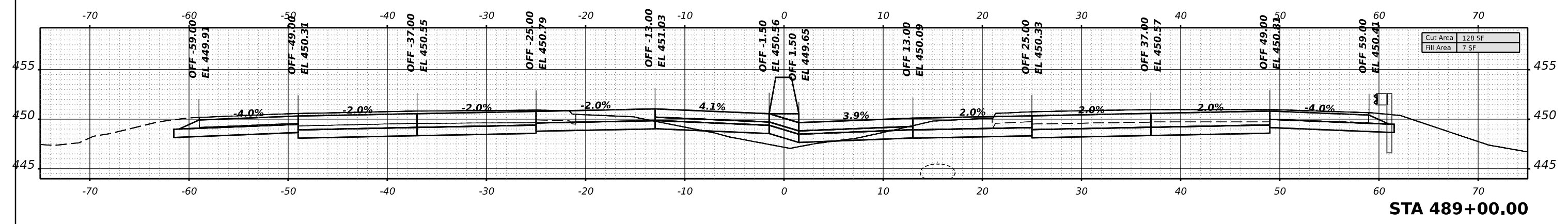
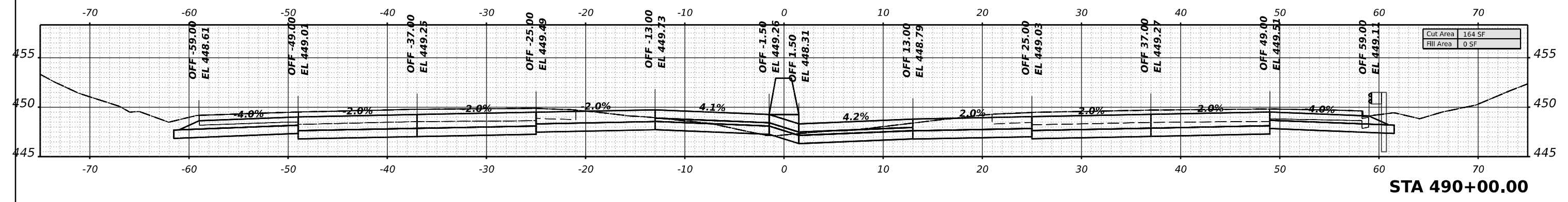
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 CROSS SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.
	57		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	FRANKLIN	403	297
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3

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	DRAWN -	REVISED -
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PLOT DATE = 5/7/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

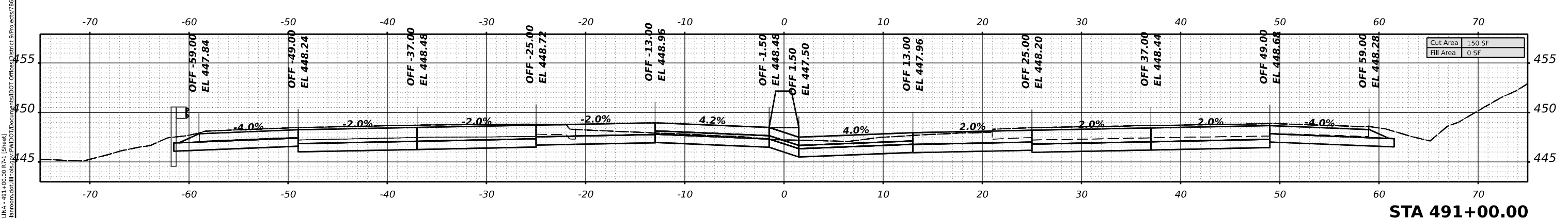
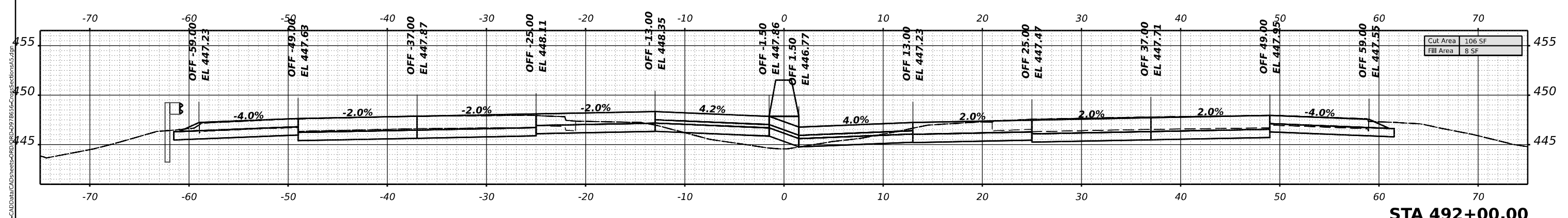
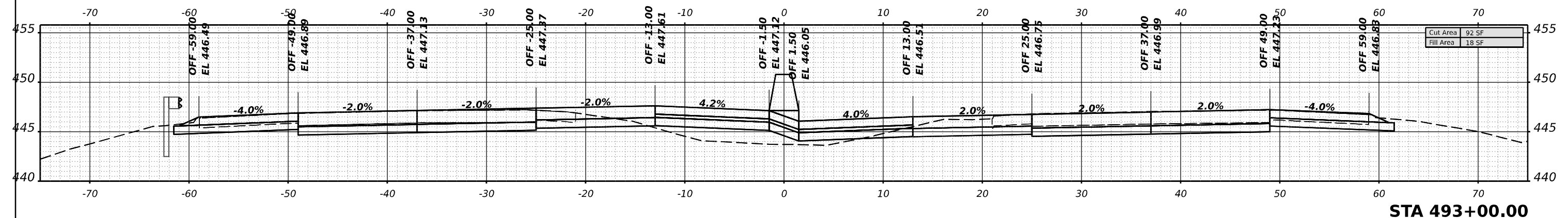
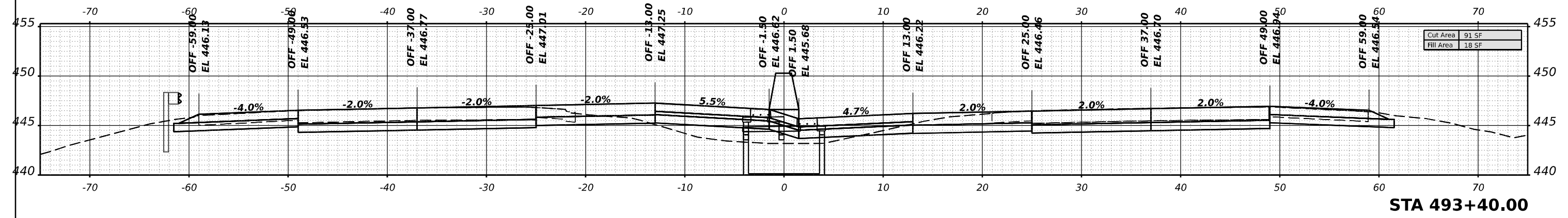
I-57 CROSS SECTIONS

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	298
CONTRACT NO. 78656				

*D9 I-57 Add Lane-4;(28-5)B-3

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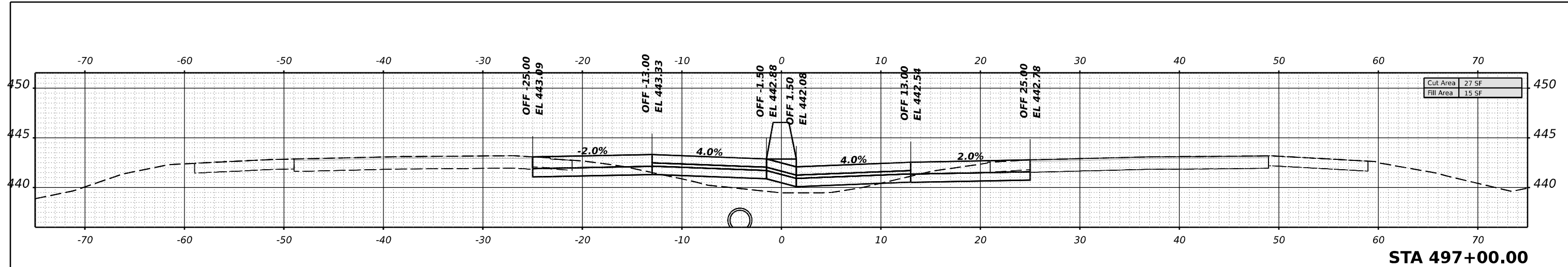
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

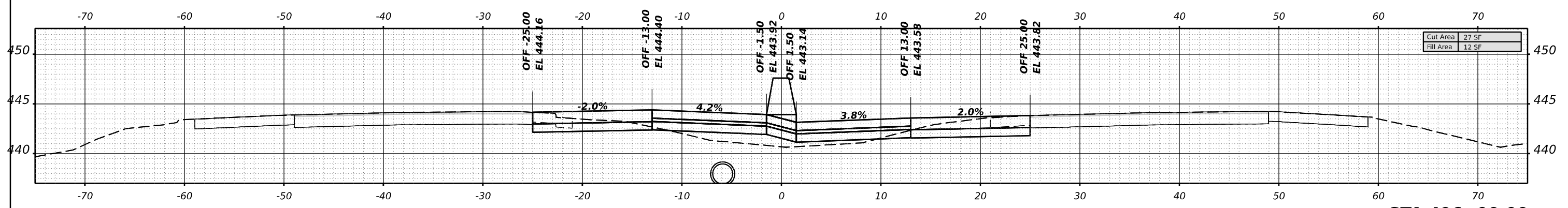
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 78656	
		ILLINOIS	FED. AID PROJECT	

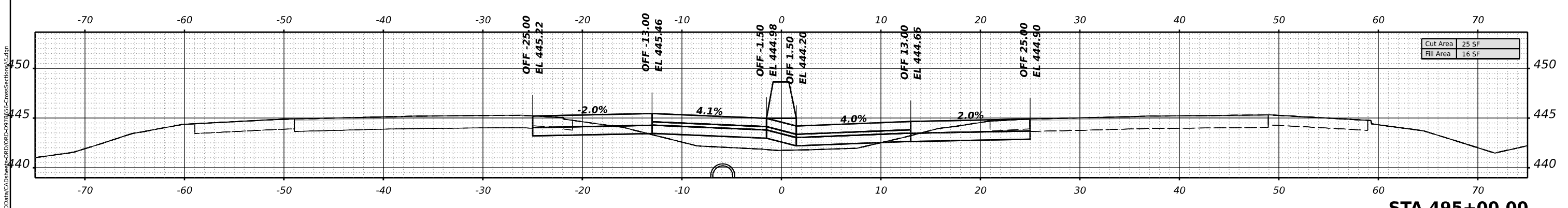
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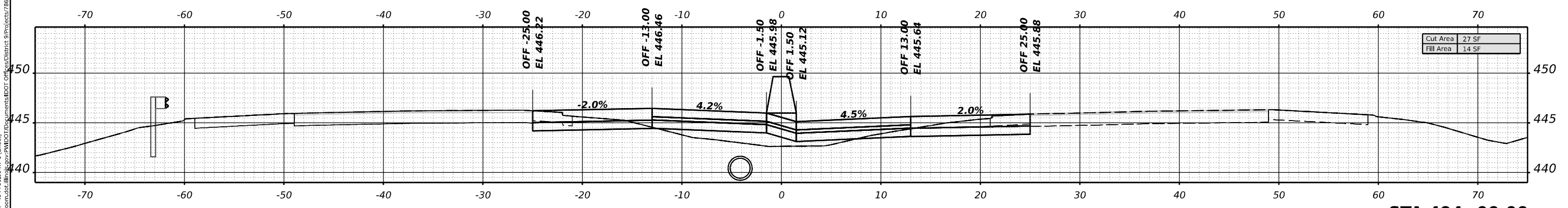
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STA 496+00.00



STA 495+00.00



STA 494+00.00

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PLOT DATE = 5/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-57 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	FRANKLIN	403	300
CONTRACT NO. 78656				
ILLINOIS FED. AID PROJECT				

*D9 I-57 Add Lane-4;(28-5)B-3