Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 10/10/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 8 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-14
Station 5888+60.3
Offset 64.7 ft LT
Ground Surface Elev. 374.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 355.5 ft ▼
Upon Completion ft
After 24 Hrs. 357.0 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*				
With gravel		6		
[A-1-b] (grain size test at 43.5 feet)	-45	7 7	NC	
Becomes gray, trace gravel		8		
	-50	12 8	NC	
	-55	8 7	NC	
	-60	8 12 12	NC	
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*				
With gravel		13		
	-65	16 10	NC	
Refusal at 67.0 ft. 306.50		49		
SANDSTONE: Gray 306.08		50/5"	- -	
End of Boring				
	-70			
	-75			
	-80			

314.00

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 10/11/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 9 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-15
Station 5889+90.1
Offset 0.6 ft LT
Ground Surface Elev. 374.90 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 355.9 ft ▼
Upon Completion ft
After 24 Hrs. 357.7 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 4 inches 374.57				
CLAY LOAM: Gray, trace iron nodules and roots, A-6		2		
373.15		4 4	2.1 B	20
CLAY: Brown, trace organics, A-7				
Becomes brown and gray, trace organics		6		
	-5	6 5	2.5 B	31
		2		
		4 4	1.4 B	26
Trace iron stains		2		
	-10	2 3	1.1 B	27
363.90				
SILTY CLAY LOAM: Brown, with iron stains, A-6 LL=32, PI=14		WOH 1 2	0.3 P	24
(SHELBY TUBE) Rec 19.5/24		ST	- -	
	-15			
359.40				
SANDY LOAM: Brown, trace gravel, A-2		WOH 1 2	NC	22
356.40				
SAND: Brown, fine to coarse, with gravel, A-1-b (grain size test at 18.5 feet)		WOR WOR 1	NC	
354.90	-20			
Begin mud rotary at 20 feet				
SAND: Brown, fine to coarse, with gravel, A-1-b *(continued)*		4 4 5	NC	
	-25			
Trace gravel (grain size test at 26 feet)		5 5 7	NC	
	-30	7 10 10	NC	
	-35	10 13 11	NC	
	-40	14 16 18	NC	

334.90

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 10/11/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 9 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-15
Station 5889+90.1
Offset 0.6 ft LT
Ground Surface Elev. 374.90 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 355.9 ft ▼
Upon Completion ft
After 24 Hrs. 357.7 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Brown, fine to coarse, with gravel, A-1-b *(continued)*				
332.90				
SAND: Gray, fine, A-3		5		
	-45	8 9	NC	
(grain size test at 53.5 feet)		10		
	-55	8 10	NC	
(No recovery)		8		
	-60	9 9	- -	
SAND: Gray, fine, A-3 *(continued)*				
		10		
	-65	14 12	NC	
309.90				
GRAVEL: with fine to coarse sand, A-1				
		11		
	-70	9 9	NC	
Refusal at 73.5 ft. 301.40				
CLAYEY SHALE: Gray 301.07		50/4"	- -	11
End of Boring				
	-75			
	-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-SB06.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-217 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	401
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 10/11/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 9 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-16
Station 5891+9.5
Offset 64.8 ft LT
Ground Surface Elev. 374.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.4 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 5 inches	373.98				
SANDY LOAM: Brown, A-2			3		
			2	NC	14
			2		
	370.40		2		
SAND: Brown, fine, A-3			2	NC	7
		-5	2		
(grain size test at 6 feet)			2		
			2	NC	6
			2		
	366.40				
SAND: Brown, fine to coarse, trace gravel, A-1			1		
			3	NC	7
		-10	3		
			3		
			6	NC	6
			7		
			4		
			7	NC	5
		-15	8		
			5		
		▼	7	NC	
			9		
			3		
			5	NC	
Begin mud rotary at 20 feet		-20	7		
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*			6		
			9	NC	
			8		
	350.90				
GRAVEL, with fine to coarse sand, A-1			4		
			5	NC	
		-25	5		
			4		
			5	- -	
			10		
	345.90				
SAND: Brown, fine to coarse, with gravel, A-1			3		
			8	NC	
		-30	13		
[A-1-b] (grain size test at 33.5 feet)			3		
			5	NC	
		-35	5		
Becomes gray, trace gravel			4		
			9	NC	
	334.40	-40	8		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 10/11/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 9 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-16
Station 5891+9.5
Offset 64.8 ft LT
Ground Surface Elev. 374.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.4 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
			9		
			15	NC	
		-45	12		
[A-1-b] (grain size test at 48.5 feet)			7		
			7	NC	
		-50	8		
			9		
			9	NC	
		-55	7		
	317.40				
SAND: Gray, fine, A-3					
			9		
			16	NC	
		-60	14		
SAND: Gray, fine, A-3 *(continued)*					
			5		
			7	- -	
		-65	5		
GRAVEL, with fine to coarse sand, A-1			7		
			8	- -	
		-70	10		
Refusal at 71.5 ft. With sandstone fragments			26		
	301.98		50/5"	- -	
End of Boring		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 10/16/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 10 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-17
Station 5892+29.5
Offset 0.7 ft LT
Ground Surface Elev. 374.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 354.9 ft ▼
Upon Completion ft
After 24 Hrs. 356.2 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 5 inches	373.98				
CLAY LOAM: Brown, trace organics, A-6			3		
			5	3.2	15
			5	P	
	370.90				
SANDY LOAM: Brown, A-2			3		
	369.82		6	NC	12
SAND: Brown, fine, A-3		-5	5		
			2		
			2	NC	
			4		
			2		
			5	NC	
		-10	6		
	363.90				
SAND: Brown, fine to coarse, A-1			2		
			5	NC	
			5		
[A-1-b] (grain size test at 13.5 feet)			2		
			3	NC	
		-15	5		
			2		
			7	NC	
			8		
		▽			
Trace gravel			2		
		▼	7	NC	
Begin mud rotary at 20 feet		-20	7		
SAND: Brown, fine to coarse, A-1 *(continued)*			6		
			8	NC	
			8		
With gravel	350.90		6		
Gravel: with fine to coarse sand, A-1			6	NC	
		-25	11		
			11		
			11	NC	
			18		
	345.90				
SAND: Brown, fine to coarse, trace gravel, A-1			8		
			13	NC	
		-30	12		
[A-1-b] (grain size test at 33.5 feet)			10		
			8	NC	
		-35	10		
Becomes gray, trace gravel			7		
			8	NC	
	334.40	-40	10		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-SB09.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-218 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	402
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

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Date 10/16/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 10 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-17
Station 5892+29.5
Offset 0.7 ft LT
Ground Surface Elev. 374.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 354.9 ft ▼
Upon Completion ft
After 24 Hrs. 356.2 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
			8		
			8	NC	
		-45	12		
			10		
			14	NC	
		-50	10		
			9		
			10	NC	
		-55	14		
			7		
			10	NC	
	314.40	-60	13		
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
With gravel [A-1-b] (grain size test at 63.5 feet)			3		
			6	NC	
		-65	12		
Trace gravel			16		
			20	NC	
		-70	14		
Refusal at 72.0 ft.	302.40				
Granite boulders and chert fragments, trace sand, A-1	301.07		33		
			31	- -	
			50/4"		
End of Boring					
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 10/16-17/2012

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 10 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-18
Station 5893+50.1
Offset 64.8 ft LT
Ground Surface Elev. 375.22 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 356.7 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 2.5 inches	375.01				
SAND: Brown, fine, A-3			2		
			3	NC	
	372.72		3		
SANDY LOAM: Brown, A-2			1		
			2	NC	15
	370.22	-5	3		
SAND: Brown, fine, A-3			2		
			1	NC	
			2		
(grain size test at 8.5 feet)			1		
			1	NC	
		-10	2		
			1		
			3	NC	
			3		
	362.22				
SAND: Brown, fine to coarse, trace gravel, A-1			2		
			3	NC	
		-15	5		
			4		
			5	NC	
			8		
▼					
			3		
			4	NC	
Begin mud rotary at 20 feet		-20	7		
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*					
			5		
			5	NC	
			7		
			6		
			7	NC	15
		-25	8		
With gravel			7		
			7	NC	
			9		
	346.72				
SAND: Brown, fine to coarse, trace gravel, A-3			5		
			9	NC	
		-30	14		
(grain size test at 33.5 feet)			8		
			8	NC	
		-35	8		
	338.22				
SAND: Gray, fine to coarse, A-1			10		
			14	NC	
		-40	9		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 10/16-17/2012

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 10 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-18
Station 5893+50.1
Offset 64.8 ft LT
Ground Surface Elev. 375.22 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 356.7 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, A-1 *(continued)*					
Trace gravel			6		
			6	NC	
		-45	8		
With gravel			12		
			10	NC	
		-50	12		
[A-1-b] (grain size test at 53.5 feet)			10		
			10	NC	
		-55	10		
			8		
			13	NC	
	315.22	-60	12		
SAND: Gray, fine to coarse, with gravel, A-1 *(continued)*					
Trace sandstone fragments			9		
			11	NC	
		-65	7		
	309.22				
0.75-inch SANDSTONE seam	309.12		16		
SAND: Gray, fine, A-3			8	NC	
			12		
		-70			
Refusal at 73.0 ft.	302.22				
SANDSTONE: Gray (No recovery)	302.18		50/0.5"	- -	
End of Boring					
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-SB10.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-219 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	403
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 10/17-18/2012

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 11 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station
BORING NO. SB-19
Station 5894+54.9
Offset 0.6 ft LT
Ground Surface Elev. 376.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 357.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 6 inches	375.50				
SANDY CLAY: Brown, trace organics, A-6			3		
			5 6	3.3 S	13
	372.42				
CLAY: Brown, trace organics, A-7			2		
			4 5	3.1 B	25
		-5			
With iron stains [A-7-6] LL=48, PI=26			2		
			3 2	1.6 B	25
	367.50				
SANDY CLAY LOAM: Brown, A-4			1		
			2 4	0.3 P	20
		-10			
	364.83				
SAND: Brown, fine to coarse, trace gravel, A-3			1		
			2 3	NC	
(grain size test at 13.5 feet)			1		
			2 2	NC	
		-15			
			3		
			4 5	NC	
	357.50				
SAND: Brown, fine to coarse, trace gravel, A-1 ▼			3		
Begin mud rotary at 20 feet		-20	3 6	NC	
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*			6		
			6 10	NC	
With gravel			8		
			8 8	NC	
		-25			
	350.00				
GRAVEL: with coarse sand, A-1			8		
			8 12	NC	
With sandstone fragments			4		
			9 9	NC	
		-30			
[A-1-b] (grain size test at 33.5 feet)			7		
			9 9	NC	
		-35			
	337.50				
SAND: Gray, fine to coarse, trace gravel, A-1			10		
			9 12	NC	
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 10/17-18/2012

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 11 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station
BORING NO. SB-19
Station 5894+54.9
Offset 0.6 ft LT
Ground Surface Elev. 376.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 357.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*			6		
			7 7	NC	
		-45			
[A-1-b] (grain size test at 48.5 feet)			6		
			6 7	NC	
		-50			
			6		
			7 6	NC	
		-55			
			14		
			17 15	NC	
	316.00	-60			
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*			10		
			13 14	NC	
		-65			
			7		
			8 14	NC	
		-70			
			13		
			18 26	NC	
		-75			
Refusal at 75.5 ft.	300.50				
GRANITE cobbles and large GRAVEL, with fine to coarse sand, A-1	299.00		44		
			18 12	- -	
End of Boring					
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 10/18/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 11 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station
BORING NO. SB-20
Station 5895+88.7
Offset 65.9 ft LT
Ground Surface Elev. 375.37 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 356.9 ft ▼
Upon Completion ft
After 24 Hrs. 357.4 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 6 inches	374.87				
SANDY LOAM: Brown, A-2			3		
			5 6	3.1 P	12
[A-2-4] LL=17, PI=2			1		
			2 2	NC	15
		-5			
	369.37				
SAND: Brown, fine, A-3			2		
			3 3	NC	
			2		
			4 4	NC	
		-10			
			2		
			4 5	NC	
Trace gravel			2		
			4 6	NC	
		-15			
Becomes fine to coarse (grain size test at 16 feet)			4		
			6 6	NC	
	356.87 ▽▼				
SAND: Brown, fine to coarse, trace gravel, A-1			4		
Begin mud rotary at 20 feet		-20	4 9	NC	
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*			7		
			4 5	NC	
		-25			
	349.87				
SAND: Brown, fine to coarse, trace gravel, A-3			8		
			10 12	NC	
Becomes fine (grain size test at 28.5 feet)			9		
			13 12	NC	
		-30			
	343.37				
SAND: Gray, fine to coarse, trace gravel, A-1			10		
			14 12	NC	
		-35			
Trace shale fragments			8		
			10 11	NC	
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600CADs\Sheets\Bridge\7600-S0080-SB11.dgn

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-220 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	404
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 10/18/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 11 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-20
Station 5895+88.7
Offset 65.9 ft LT
Ground Surface Elev. 375.37 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 356.9 ft
Upon Completion ft
After 24 Hrs. 357.4 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
			10		
			16	NC	
		-45	15		
			8		
			12	NC	
		-50	13		
with gravel	321.87				
1.5-inch CLAY seam	321.74		9		31
SAND: Gray, fine to coarse, trace gravel, A-1-b (grain size test at 53.5 feet)			9	NC	
		-55	9		
			5		
			7	NC	
		-60	7		
SAND: Gray, fine to coarse, trace gravel, A-1-b *(continued)*					
			4		
			6	NC	
		-65	10		
			15		
			23	NC	
		-70	20		
Trace chert fragments			7		
			15	NC	
			12		
Refusal at 73.5 ft.	301.87				
SANDSTONE: Dark gray	301.62		50/3"	- -	
End of Boring		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 10/24/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 12 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-21
Station 5897+9.8
Offset 0.2 ft LT
Ground Surface Elev. 376.07 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 356.6 ft
Upon Completion ft
After 24 Hrs. 356.6 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 4.5 inches	375.70				
CLAY LOAM: Brown, trace roots, A-6			3		
			4	1.8	17
			7	B	
SANDY LOAM: Brown, A-2 LL=20, PI=4	372.57		2		
			2	NC	15
		-5	3		
SAND: Brown, fine, with clay lumps, A-3	370.07		1		
			2	NC	11
			2		
SANDY LOAM: Gray and brown, trace iron stains, A-2	367.57		2		
			2	NC	20
		-10	3		
SAND: Brown, fine to coarse, A-3	365.07		2		
			4	NC	
			7		
SAND: Brown, fine to coarse, trace gravel, A-1	363.07		1		
			5	NC	
		-15	6		
			4		
			4	NC	
			4		
			3		
			4	NC	
Begin mud rotary at 20 feet		-20	4		
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*					
[A-1-b] (grain size test at 21 feet)			3		
			3	NC	
			3		
SAND: Gray, fine to coarse, trace gravel, A-3	353.07		5		
			12	NC	
		-25	13		
No gravel			8		
			14	NC	
			12		
SAND: Gray, fine to coarse, trace gravel, A-1	348.07		8		
			17	NC	
		-30	17		
			7		
			11	NC	
		-35	13		
[A-1-b] (grain size test at 38.5 feet)			5		
			9	NC	
		-40	8		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 10/24/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 12 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-21
Station 5897+9.8
Offset 0.2 ft LT
Ground Surface Elev. 376.07 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 356.6 ft
Upon Completion ft
After 24 Hrs. 356.6 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
	334.07				
SAND: Gray, fine, trace gravel, A-3			10		
			10	NC	
		-45	10		
	329.07				
SAND: Gray, fine to coarse, trace gravel, A-1			10		
			14	NC	
		-50	15		
			7		
			10	NC	
		-55	12		
with gravel and granite cobbles					
[A-1-b] (grain size test at 58.5 feet)			6		
			9	NC	
		-60	9		
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
			6		
			10	NC	
	311.07	-65	14		
GRAVEL, with fine to coarse sand, A-1					
			3		
			10	- -	
		-70	12		
with Boulders					
			7		
			16	- -	
Refusal at 72.5 ft.	303.57		12		
End of Boring		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADs\Sheets\Bridge\7600-S0080-SB12.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-221 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	405
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 3

Date 10/25/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 12 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-22
Station 5898+26.0
Offset 64.9 ft LT
Ground Surface Elev. 376.26 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.8 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 6 inches	375.76				
CLAY: Brown, trace organics, A-7			3		
			5	3.6	20
			6	B	
			2		
			4	1.6	21
		-5	4	B	
	369.76		2		
SANDY LOAM: Brown, A-2-4 LL=20, PI=15			5	NC	11
			4		
	367.76				
SAND: Brown, fine, A-3			1		
			2	NC	
		-10	3		
			2		
			2	NC	
			2		
Trace gravel (grain size test at 13.5 feet)			2		
			2	NC	
		-15	2		
	359.76		2		
SAND: Brown, fine to coarse, trace gravel, A-1			5	NC	
			4		
▼			3		
			4	NC	
Begin mud rotary at 20 feet		-20	4		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*					
			5		
			4	NC	
			5		
[A-1-b] (grain size test at 23.5 feet)			3		
			2	NC	
		-25	3		
			2		
			3	NC	
			7		
Becomes gray			11		
			11	NC	
		-30	17		
			8		
			8	NC	
		-35	12		
			11		
			9	NC	
	336.26	-40	13		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 3

Date 10/25/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 12 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-22
Station 5898+26.0
Offset 64.9 ft LT
Ground Surface Elev. 376.26 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.8 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
			10		
			11	NC	
		-45	11		
	329.26				
SAND: Gray, fine to coarse, trace gravel, A-3					
(grain size test at 48.5 feet)			9		
			8	NC	
		-50	9		
No gravel			8		
			12	NC	
		-55	10		
	319.26				
SAND: Gray, fine to coarse, trace gravel, A-1			5		
			13	NC	
		-60	15		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
With gravel and sandstone fragments			10		
			14	NC	
		-65	8		
	307.76				
GRAVEL, with fine to coarse sand and granite fragments, A-1			11		
			14	- -	
		-70	14		
	302.76				
SAND: Gray, fine to coarse, with gravel, A-1			15		
			19	NC	
		-75	12		
	299.26				
GRAVEL: large with granite cobbles and sandstone fragments, A-1			29		
			23	- -	
			50		
With fine to coarse sand					
	296.26	-80	15		
			31	- -	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 3 of 3

Date 10/25/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 12 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-22
Station 5898+26.0
Offset 64.9 ft LT
Ground Surface Elev. 376.26 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.8 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRAVEL, with sandstone fragments and fine to coarse sand, A-1 *(continued)*			19		
			30		
Refusal at 81.0 ft. with Granite Boulders			30	- -	
	293.76		40		
End of Boring					
		-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-SB1-3.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-222 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	406
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Date 10/30/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 13 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station
BORING NO. SB-23
Station 5899+50.7
Offset 1.7 ft RT
Ground Surface Elev. 376.62 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 357.6 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 5 inches	376.20				
CLAY LOAM: Brown, trace roots, A-6			2		
			4	1.6	28
			6	B	
	373.12				
SAND: Brown, trace gravel, A-3			2		
			4	NC	
		-5	2		
	370.62				
SANDY CLAY LOAM: Greenish gray, A-4			1		
			1	0.3	19
			1	B	
	368.62				
SILTY CLAY: Gray and brown, trace iron stains, A-6 LL=29, PI=11			WOH		
			WOH	<0.25	29
		-10	1	P	
	366.12				
(SHELBY TUBE) Rec 24/24					
			ST		
	363.37				
SAND: Brown, fine to coarse, trace gravel, A-3			5		
			8	NC	
		-15	9		
	360.62				
SAND: Brown, fine to coarse, trace gravel, A-1			8		
			11	NC	
			12		
		▼	7		
			8	NC	
Begin mud rotary at ?? feet		-20	9		
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*			8		
			10	NC	
			12		
			9		
			12	NC	
		-25	10		
With gravel [A-1-b] (grain size test at 26 feet)			8		
			11	NC	
			9		
Becomes gray, with clay lumps			8		
			11	NC	
		-30	10		
SAND: Gray, fine to coarse, A-3	343.12		8		
			12	NC	
		-35	14		
Becomes fine			17		
			21	NC	
	336.62	-40	20		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Date 10/30/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 13 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station
BORING NO. SB-23
Station 5899+50.7
Offset 1.7 ft RT
Ground Surface Elev. 376.62 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 357.6 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine, A-3 *(continued)*					
	334.62				
SAND: Gray, fine to coarse, A-1-b					
(grain size test at 43.5 feet)			5		
			7	NC	
		-45	7		
(No recovery)			29		
			21	- -	
		-50	21		
Trace gravel			10		
			14	NC	
		-55	16		
(grain size test at 58.5 feet)			6		
			8	NC	
	316.62	-60	12		
SAND: Gray, fine to coarse, trace gravel, A-1-b *(continued)*					
			8		
			9	NC	
		-65	12		
	309.62				
GRAVEL, with fine to coarse sand and granite cobbles, A-1					
			10		
			10	- -	
		-70	10		
			8	- -	
		-75	7		
With sandstone and chert fragments			25		
			45	- -	
	296.62	-80	50/5"		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Date 10/30/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 13 EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station
BORING NO. SB-23
Station 5899+50.7
Offset 1.7 ft RT
Ground Surface Elev. 376.62 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 357.6 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRAVEL, with fine to coarse sand, granite cobbles, sandstone, and chert fragments, A-1 *(continued)* Cobbles Refusal at 82.0 ft.					
			31		
			17	- -	
			17		
Refusal at 84.0 ft.	292.62				
End of Boring		-85			
		-95			
		-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600CADs\Sheets\Bridge\7600-S0080-SB14.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-223 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	407
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 10/30-31/2012

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 13 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-24
Station 5900+54.5
Offset 64.7 ft LT
Ground Surface Elev. 377.02 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.5 ft
Upon Completion ft
After 24 Hrs. 358.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 3 inches	376.77				
CLAY: Brown, trace organics, A-7			2		
			4	2.8	24
			6	B	
			1		
	372.52		3	1.3	25
SAND: Brown, fine, A-3		-5	3	B	
			2		
			1	NC	
			3		
(grain size test at 11 feet)			1		
			2	NC	
			2		
	363.52				
SAND: Brown, fine to coarse, with gravel, A-1			4		
			7	NC	
		-15	7		
			5		
			7	NC	
			8		
No gravel			2		
			4	NC	
Begin mud rotary at ?? feet	357.02	-20	5		
SAND: Brown, fine to coarse, A-1 *(continued)*			6		
Trace gravel			6	NC	
			8		
			5		
			5	NC	
		-25	5		
Becomes gray			2		
[A-1-b] (grain size test at 26 feet)			1	NC	
			2		
	348.52				
GRAVEL: with sand			10		
			11	NC	
		-30	13		
			12		
			8	NC	
		-35	15		
			5		
			6	NC	
	337.02	-40	7		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 10/30-31/2012

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION Proposed Pier 13 WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-24
Station 5900+54.5
Offset 64.7 ft LT
Ground Surface Elev. 377.02 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.5 ft
Upon Completion ft
After 24 Hrs. 358.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*					
	333.02		11		
SAND: Gray, fine, A-3		-45	20	NC	
			22		
			18		
	327.35		16	NC	
SAND: Gray, fine to coarse, with gravel, A-1		-50	12		
[A-1-b] (grain size test at 53.5 feet)			8		
			8	NC	
		-55	11		
			9		
			10	NC	
		-60	11		
SAND: Gray, fine to coarse, with gravel, A-1 *(continued)*					
	313.52				
GRAVEL, with fine to coarse sand, A-1			17		
			25	- -	
		-65	17		
			11		
			15	- -	
		-70	14		
			7		
With granite cobbles and sandstone fragments			17	- -	
		-75	17		
Refusal at 77.0 ft.	299.52		17		
WEATHERED SANDSTONE: Gray			26	- -	
Refusal at 78.5 ft.	298.52		26		
End of Boring		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 11/1/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION East Abutment WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-25
Station 5901+76.9
Offset 65.9 ft LT
Ground Surface Elev. 378.71 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.7 ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 5 inches	378.29				
FILL: RIP-RAP, CONCRETE, and CLAY	377.38		4		
CLAY: Brown, trace roots, A-7			5	3.2	23
			8	S	
	375.71				
SILTY CLAY LOAM: Brown, trace organics, A-6			3		
			4	1.1	22
		-5	3	B	
	372.71				
SAND: Brown, fine, A-2-4 LL=19, PI=2			3		
			3	NC	15
			3		
	370.71				
SAND: Brown, fine, with clay lumps, A-3			2		
			3	NC	9
		-10	4		
No clay lumps (grain size test at 11 feet)			2		
			2	NC	
			3		
	365.21				
SAND: Brown, fine to coarse, trace gravel, A-1			2		
			4	NC	
		-15	6		
			5		
			6	NC	
			8		
			2		
			5	NC	
		-20	9		
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*			3		
			5	NC	
			6		
Begin mud rotary at 22.5 feet					
[A-1-b] (grain size test at 23.5 feet)			5		
			8	NC	
		-25	7		
			8		
			8	NC	
			10		
Becomes gray			8		
			14	NC	
		-30	19		
			8		
Becomes brown, with granite cobbles and gravel			12	NC	
		-35	21		
			7		
Trace gravel			8	NC	
	338.71	-40	14		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-SB15.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-224 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	408
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 11/1/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION East Abutment WB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0004 EX 097-0081 PR
Station

BORING NO. SB-25
Station 5901+76.9
Offset 65.9 ft LT
Ground Surface Elev. 378.71 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.7 ft ▼
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1 *(continued)*				
		8		
		10	NC	
	-45	13		
330.21				
SAND: Gray, fine, A-3		20		
		16	NC	
328.79	-50	16		
SAND: Gray, fine to coarse, trace gravel, A-1				
[A-1-b] (grain size test at 53.5 feet)		12		
		11	NC	
	-55	13		
321.71				
SAND: Gray, fine, with gravel, A-3				
		11		
		15	NC	
	-60	21		
SAND: Gray, fine, with gravel, A-3 *(continued)*				
Becomes fine to coarse		16		
		16	NC	
	-65	14		
310.21				
GRAVEL, with fine to coarse sand and chert fragments, A-1		12		
		16	- -	
	-70	16		
		6		
		10	- -	
	-75	16		
Refusal at 76.0 ft.				
		21		
With sandstone fragments and granite boulders 301.21		33	- -	
		18		
End of Boring				
	-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 1 of 2

Date 11/5/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION East Abutment EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-26
Station 5901+84.1
Offset 1.6 ft RT
Ground Surface Elev. 378.91 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.9 ft ▼
Upon Completion ft
After 24 Hrs. 358.4 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 5 inches 378.49				
FILL: Brown, clay, with rip-rap 377.41		6		
(No recovery)		8	- -	
		7		
SANDY CLAY LOAM: Brown, A-4		3		
		5	1.2	16
	-5	3	P	
372.91				
SAND: Brown, fine, A-3		3		
		3	NC	
		3		
(Atterberg limits test was non-plastic)		1		
		2	NC	14
	-10	3		
		1		
		2	NC	
		3		
Becomes fine to coarse, trace gravel (grain size test at 13.5 feet)		2		
		3	NC	
	-15	5		
		5		
		8	NC	
		7		
360.41				
SAND: Brown, fine to coarse, trace gravel, A-1		5		
		7	NC	
	-20	7		
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*				
		5		
		7	NC	
		9		
Begin mud rotary at 22.5 feet				
[A-1-b] (grain size test at 23.5 feet)		6		
		5	NC	
	-25	3		
With gravel		4		
		9	NC	
		13		
Becomes gray		8		
		8	NC	
	-30	7		
Becomes brown		9		
		11	NC	
	-35	11		
341.91				
SAND: Gray, fine, trace gravel, A-3				
		11		
		11	NC	
338.91	-40	12		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Page 2 of 2

Date 11/5/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION East Abutment EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-26
Station 5901+84.1
Offset 1.6 ft RT
Ground Surface Elev. 378.91 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.9 ft ▼
Upon Completion ft
After 24 Hrs. 358.4 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Gray, fine to coarse, trace gravel, A-1				
		9		
		12	NC	
	-45	14		
With gravel		12		
		17	NC	
	-50	20		
325.41				
GRAVEL, with fine to coarse sand, A-1-a (grain size test at 53.5 feet)		8		
		11	NC	
	-55	11		
		9		
		15	NC	
	-60	15		
GRAVEL, with fine to coarse sand, A-1-a *(continued)*				
315.41				
SAND: Gray, fine to coarse, trace gravel, A-3		5		
		8	NC	
	-65	12		
310.41				
GRAVEL and GRANITE cobbles, A-1		6		
		5	- -	
	-70	9		
With fine to coarse sand		7		
		12	- -	
	-75	13		
		9		
		19	- -	
		45		
Refusal at 77.5 ft. 301.41				
End of Boring				
	-00			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-SB16.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-225 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	409
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Date 11/6/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION East Abutment EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-27
Station 5902+46.1
Offset 0.7 ft LT
Ground Surface Elev. 400.95 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.5 ft ▼
Upon Completion ft
After 24 Hrs. 357.5 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 6 inches	400.45				
SILTY CLAY LOAM: Brown, trace roots, A-6			4		
			5	1.8	18
			5	B	
	397.45				
CLAY: Brown, trace organics, A-7			3		
			4	1.7	25
		-5	3	P	
	394.95				
LOAM: Brown, A-4 LL=22, PI=7			3		
			7	- -	12
			8		
	392.45				
SAND: Brown, fine, trace clay lumps, A-3			6		
			10	NC	9
		-10	10		
			5		
			8	NC	5
			14		
	387.45				
SAND: Brown, fine, A-2			3		
			10	NC	13
		-15	12		
			5		
			9	NC	12
			13		
	382.45				
CLAY: Greenish gray, A-7-6 LL=41, PI=21			3		
			3	2.1	20
	380.95	-20	6	B	
CLAY: Greenish gray, A-7-6 *(continued)* With sand lenses			3		
			5	2.7	20
			6	B	
		-25	2		
			6	2.4	17
			5	B	
	374.70				
SAND: Brown, fine, A-2			4		
			3	NC	8
			4		
(grain size test at 28.5 feet)			3		
			3	NC	
		-30	3		
	368.95				
SAND: Brown, fine, A-3			4	NC	
		-35	8		
	363.95				
SAND: Brown, fine to coarse, trace gravel, A-1			3		
			7	NC	
		-40	10		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Date 11/6/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION East Abutment EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-27
Station 5902+46.1
Offset 0.7 ft LT
Ground Surface Elev. 400.95 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.5 ft ▼
Upon Completion ft
After 24 Hrs. 357.5 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Brown, fine to coarse, trace gravel, A-1 *(continued)*					
▼			10		
[A-1-b] (grain size test at 43.5 feet)			10	NC	
		-45	13		
Begin mud rotary at 45.0 feet					
With gravel			12		
			12	NC	
		-50	11		
Trace gravel			6		
			9	NC	
		-55	16		
With gravel			8		
			14	NC	
	340.95	-60	19		
SAND: Brown, fine to coarse, with gravel, A-1 *(continued)*					
			6		
		-65	13	NC	
			10		
Becomes gray [A-1-b] (grain size test at 63.5 feet)			10		
			10	NC	
		-70	13		
			8		
			10	NC	
		-75	13		
Trace gravel			7		
			11	NC	
		-80	14		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Date 11/6/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION East Abutment EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM, Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-27
Station 5902+46.1
Offset 0.7 ft LT
Ground Surface Elev. 400.95 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.5 ft ▼
Upon Completion ft
After 24 Hrs. 357.5 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND: Brown, fine to coarse, with gravel, A-1 *(continued)* *(continued)*					
			12		
			22	NC	
		-85	26		
	312.45				
GRAVEL: with coarse sand, A-1			16		
			20	NC	
		-90	22		
Refusal at 93.0 ft.			18		
			14	NC	
			12		
		-95			
Refusal at 97.0 ft. with granite cobbles			28		
			36	NC	
			34		
Refusal at 100.0 ft.		-100			
GRAVEL: with coarse sand, A-1 *(continued)*			15		
			22	NC	
			37		
		-105			
Trace coal and gravel			16		
			19	NC	
		-110	26		
	288.95				
SAND: Gray, fine, A-3					
			21		
			35	NC	
		-115	40		
	282.45				
GRAVEL: with fine to coarse sand, A-1			14		
			16	NC	
		-120	23		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-SB17.dgn

KNIGHT Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-226 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	410
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Kaskaskia Engineering

SOIL BORING LOG

Date 11/6/12

ROUTE FAI 64 DESCRIPTION Structure Boring LOGGED BY KEG (CRG)

SECTION 97-3B LOCATION East Abutment EB, SEC. 33, TWP. 3S, RNG. 14W, 3rd PM,
Latitude , Longitude

COUNTY Posey, IN DRILLING METHOD HSA w/mud rotary HAMMER TYPE Automatic

STRUCT. NO. 097-0003 EX 097-0080 PR
Station

BORING NO. SB-27
Station 5902+46.1
Offset 0.7 ft LT
Ground Surface Elev. 400.95 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 357.5 ft ▼
Upon Completion ft
After 24 Hrs. 357.5 ft ▽

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRAVEL: with fine to coarse sand, A-1 *(continued)*	-125			
272.45				
SAND: Gray, fine, trace gravel A-3		13 19 35	NC	
270.95	-130			
End of Boring	-135			
	-140			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7660-S0080-SB16.dgn

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-227 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	411
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 1

Date 9/23/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-26
Station 4875+75
Offset 8.0 ft LT
Ground Surface Elev. 384.49 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY FILL - Gray, with trace gravel			1		
			2	1.7	21
			4	B	
			1		
			3	4.2	25
		-5	6	B	
	379.0				
LIMESTONE FRAGMENTS					
	377.9		50		
			50/1"		2
End of Boring					
		-10			
		-15			
		-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 2

Date 9/21/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-27
Station 4887+50
Offset 8.0 ft LT
Ground Surface Elev. 372.34 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM - Brown			4		
			6	2.8	10
			6	B	
	369.3				
CLAY LOAM - Gray			1		
			2	3.3	19
		-5	5	B	
			1		
			1	1.9	26
			1	B	
	364.3				
SANDY CLAY LOAM - Gray, soft, moist			WH		
			1	0.4	18
		-10	1	B	
			WH		
			WH	0.4	20
			1	B	
			WH		
			1	0.3	22
		-15	1	B	
	356.8				
COARSE SAND - Brown, loose, wet			1		
			0		31
			0		
			1		
			1		21
		-20	1		
COARSE SAND - Brown, loose, wet *(continued)*			3		
			3		27
			5		
			5		
		-25	8		24
			8		
			5		
			6		21
			8		
with gravel			5		
			7		12
		-30	7		
becomes dense			9		
			11		14
		-35	8		
			7		
			13		12
		-40	15		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 2 of 2

Date 9/21/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-27
Station 4887+50
Offset 8.0 ft LT
Ground Surface Elev. 372.34 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
COARSE SAND - Brown, loose, wet *(continued)*					
becomes gray			7		
			16		16
		-45	13		
			5		
			7		14
	322.3	-50	8		
End of Boring					
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CAD\Sheets\Bridge\17600-S0080-SB19.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)

SHEET S-228 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	412
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Date 9/18/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-28
Station 4889+50
Offset 8.0 ft LT
Ground Surface Elev. 375.67 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 355.7 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY - Brown, stiff			2		
			3	2.3	26
			5	P	
			1		
			1	1.1	19
		-5	3	B	
	369.2		1		
COARSE SAND - Brown, loose	368.7		1	1.3	20
CLAY LOAM - Brown			1	P	
			WH		
			1	0.7	28
		-10	2	B	
Pushed Shelby Tube: 22" Recovery				0.3	28
				P	
	362.7				
SANDY CLAY - Brown, soft, moist			WH		
			WH	0.0	23
		-15	WH	P	
			WH		
			WH	0.3	23
			2	P	
			WH		
		-20	1 0	0.0 B	28

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY CLAY - Brown, soft, moist *(continued)*	354.7				
*Lost 1 foot off interval, moved to 22-23.5'					
COARSE SAND - Brown, loose, wet			WH		
			1		25
			1		
with gravel			2		
			2		25
		-25	2		
			2		
			3		18
			5		
			4		
			9		15
		-30	14		
			7		
			9		16
		-35	10		
			6		
			8		20
		-40	9		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Date 9/18/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-28
Station 4889+50
Offset 8.0 ft LT
Ground Surface Elev. 375.67 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 355.7 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
COARSE SAND - Brown, loose, wet *(continued)*					
			12		
becomes gray			11		14
		-45	12		
			9		
			13		16
	325.7	-50	11		
End of Boring					
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Date 9/18/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-29
Station 4891+60
Offset 8.0 ft LT
Ground Surface Elev. 375.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM - Brown			3		
			4	1.7	11
			4	B	
	371.0		2		
COARSE SAND - Brown, loose			1	2.0	11
		-5	1	P	
			1		
			1		4
			2		
			2		
			3		3
		-10	6		
becomes dense, with gravel			6		
			7		9
			7		
			8		
			9		11
		-15	8		
			7		
			8		17
			9		
			9		
			12		21
		-20	11		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
COARSE SAND - Brown, loose *(continued)*			6		
			7		17
			7		
			6		
			6		13
		-25	5		
	349.5				
SANDY GRAVEL			2		
			11		20
			12		
	347.0				
COARSE SAND - Brown, dense, with gravel			6		
			9		16
		-30	10		
becomes gray			11		
			9		15
		-35	8		
			8		
			10		20
		-40	8		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: L:\7660\CADs\Sheets\Bridge\7660-S0080-S020.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET S-229 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	413
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 2 of 2

Date 9/18/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-29
Station 4891+60
Offset 8.0 ft LT
Ground Surface Elev. 375.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
COARSE SAND - Brown, dense, with gravel *(continued)*					
			6		
			9		22
		-45	9		
			11		
			9		21
	325.0	-50	10		
End of Boring					
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 2

Date 9/17/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-30
Station 4894+00
Offset 8.0 ft LT
Ground Surface Elev. 376.17 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM - Brown					
			4		
			5	2.4	21
			4	B	
			1		
			2	0.8	18
		-5	3	B	
Pushed Shelby Tube - Recovery 22"					
				0.5	10
	368.2			P	
COARSE SAND - Brown, loose					
			1		
			1		6
		-10	1		
			1		
			2		19
			2		
			2		
			3		19
		-15	3		
with trace sand			2		
			2		21
			2		
			6		
			6		16
		-20	7		
COARSE SAND - Brown, loose *(continued)*					
becomes dense, with gravel			7		
			6		16
			9		
			7		
			8		18
		-25	7		
			10		
			10		15
			11		
			8		
			12		13
		-30	12		
			8		
			9		22
		-35	7		
becomes gray			10		
			15		20
		-40	15		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 2 of 2

Date 9/17/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-30
Station 4894+00
Offset 8.0 ft LT
Ground Surface Elev. 376.17 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
COARSE SAND - Brown, loose *(continued)*					
			12		
			23		11
		-45	25		
			9		
			16		16
	326.2	-50	17		
End of Boring					
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CAD\Sheets\Bridge\17600-S0080-S0821.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET S-230 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	414
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 2

Date 9/17/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-31
Station 4896+40
Offset 8.0 ft LT
Ground Surface Elev. 376.48 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
CLAY LOAM - Brown			2		
			3	1.8	21
			3	B	
			2		
			2	1.3	24
		-5	2	B	
SANDY CLAY - Brown, soft	371.0		WH		
			2	0.3	24
			3	B	
	367.5		1		
COARSE SAND - Brown, loose, moist			2		9
		-10	2		
			2		
			2		21
			3		
with trace gravel			2		
			3		13
		-15	7		
			5		
			7		16
			8		
becomes dense, with gravel			7		
			10		13
		-20	8		
COARSE SAND - Brown, loose, moist *(continued)*			6		
			7		18
			7		
			5		
			9		14
		-25	13		
becomes gray			10		
			10		13
			14		
			10		
		-30	13		14
			14		
		-35	13		13
			15		
	339.0				
FINE SAND - Gray, dense			16		
		-40	20		23
			20		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 2 of 2

Date 9/17/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-31
Station 4896+40
Offset 8.0 ft LT
Ground Surface Elev. 376.48 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
FINE SAND - Gray, dense *(continued)*	334.0				
COARSE SAND - Gray, dense, with gravel			15		
			17		20
		-45	17		
			10		
	326.5	-50	13		16
			12		
End of Boring		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 2

Date 9/17/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-32
Station 4898+80
Offset 8.0 ft LT
Ground Surface Elev. 376.85 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 360.9 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
CLAY - Black, petroleum smell, possible contaminated soil	375.4		2		
CLAY LOAM - Brown			2	1.3	21
			2	B	
			1		
			2	1.7	24
		-5	1	B	
Shelby Tube Pushed: 24" Recovery				1.5	20
				P	
	368.9				
FINE SAND - Black, petroleum smell, possible contaminated soil	367.9		1		
FINE SAND - Brown, dense			3		18
		-10	3		
			3		
			4		14
			4		
	363.9				
COARSE SAND - Brown, with trace gravel			6		
			9		8
		-15	9		
▼					
becomes wet			5		
			9		15
			7		
			9		
			9		17
		-20	9		
COARSE SAND - Brown, with trace gravel *(continued)*			6		
			8		16
			7		
			6		
			6		19
		-25	8		
with gravel			6		
			8		14
			11		
			10		
		-30	14		13
			13		
becomes gray			12		
		-35	14		13
			16		
			10		
			17		12
		-40	25		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADLS\sect\Bridge\7660-50080-SB22.dgn

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET S-231 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	415
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 2 of 2

Date 9/17/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-32
Station 4898+80
Offset 8.0 ft LT
Ground Surface Elev. 376.85 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 360.9 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
COARSE SAND - Brown, with trace gravel *(continued)*					
	334.4				
FINE SAND - Gray, dense, wet					
			22		
			31		21
		-45	21		
	329.4				
COARSE SAND - Gray, dense, with gravel					
			10		
			12		17
	326.9	-50	13		
End of Boring					
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 2

Date 9/16/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-33
Station 4900+50
Offset 8.0 ft LT
Ground Surface Elev. 378.42 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 361.4 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY - Brown, stiff					
			3		
			4	3.3	17
			5	P	
			2		
			3	2.4	23
		-5	3	B	
	372.9				
SANDY CLAY - Brown, moist					
			1		
			2	0.9	23
			3	B	
	369.4		2		
COARSE SAND - Brown, loose, moist			3		11
		-10	4		
			1		
			3		5
			2		
with trace gravel			1		
			3		7
		-15	7		
			4		
becomes wet		▼	6		16
			5		
			1		
			4		21
		-20	5		
COARSE SAND - Brown, loose, moist *(continued)*					
becomes dense, with gravel				10	
				10	20
				10	
				6	
				14	16
		-25		22	
becomes gray				15	
				19	11
				17	
				12	
				13	13
		-30		16	
				10	
				13	16
		-35		16	
				7	
				7	23
		-40		9	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 2 of 2

Date 9/16/20

ROUTE FAI 64 DESCRIPTION I-64 Over Wabash River, Phase II LOGGED BY KEG

SECTION (97-2) B-5 LOCATION White County

COUNTY White County DRILLING METHOD HSA/Rotary HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. TS-33
Station 4900+50
Offset 8.0 ft LT
Ground Surface Elev. 378.42 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 361.4 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
COARSE SAND - Brown, loose, moist *(continued)*					
			8		
			10		21
		-45	11		
			20		
			21		22
	328.4	-50	19		
End of Boring					
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADD\Sheets\Bridges\7660-S0080-SB23.dgn

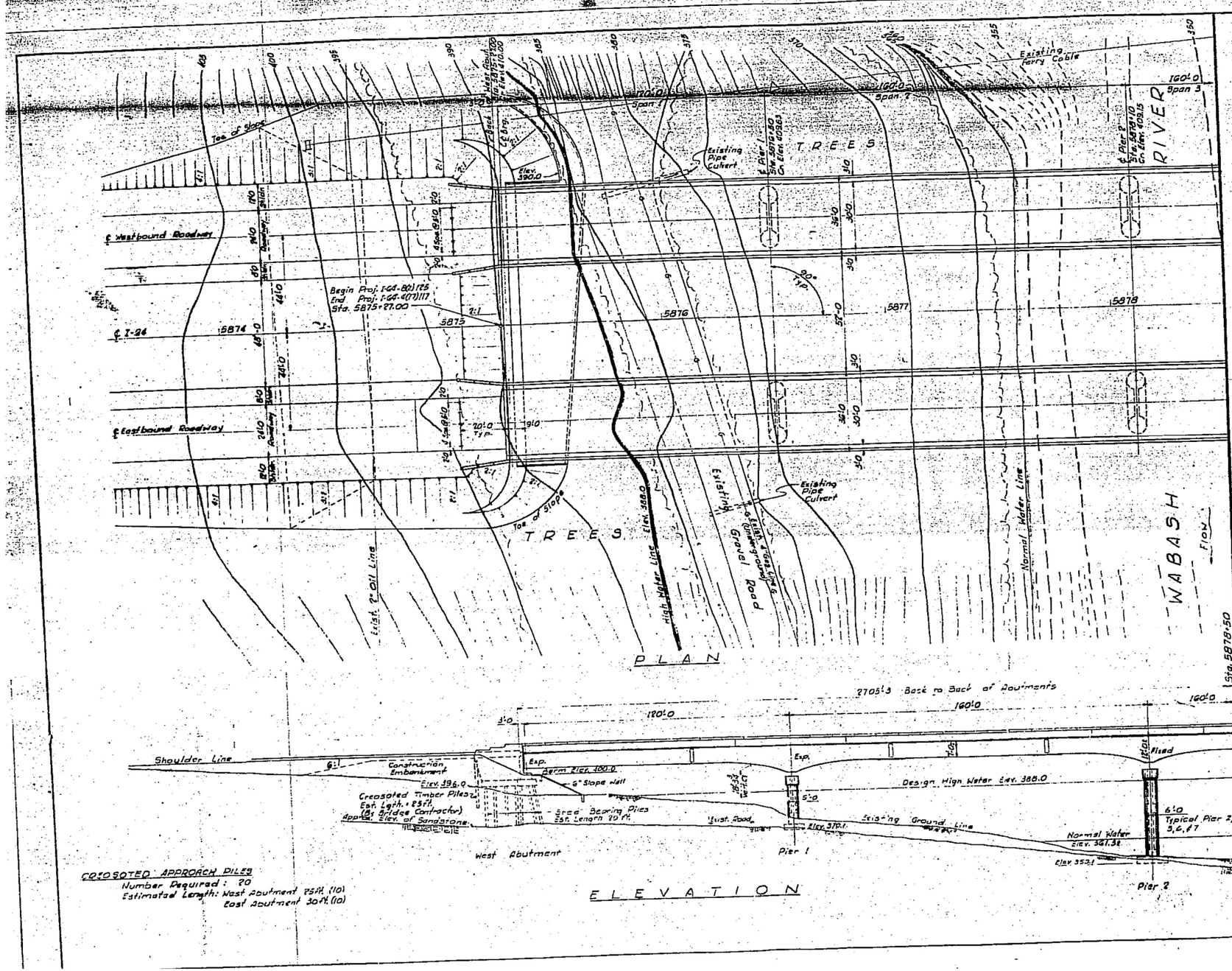
KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET S-232 OF 232 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	416
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		



F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	6
FEDERAL ROAD DISTRICT NO.	ILLINOIS	PROJ.		

Scale: Sheets 6, 7, 8, 9, 10 and 11

WATERWAY INFORMATION

Drainage Area	23,000 Sq. Mi
Waterway Provided Below Design High Water	60,000 Sq. Ft.

DESIGN CRITERIA

Design Specification:
A.A.S.H.O. "Standard Specifications for Highway Bridges"
Construction Specification:
Illinois Division of Highways "Standard Specifications for Road and Bridge Construction" 1958 and Supplemental Specifications in effect.
Live Load: H520 & Alt.
Allowable Stresses:
Concrete:
f'c = 3500 psi
fc = 1400 psi (above ground)
fc = 1000 psi (under ground)
Reinforcing Steel: fs = 20000 psi
Structural Steel:
ASTM A-36 and ASTM A-441
as per Design Specifications

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GENERAL PLAN

DESIGNED	DRAWN	TRACED	CHECKED	SUPERVISED	DATE	REVISED

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-01 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	417
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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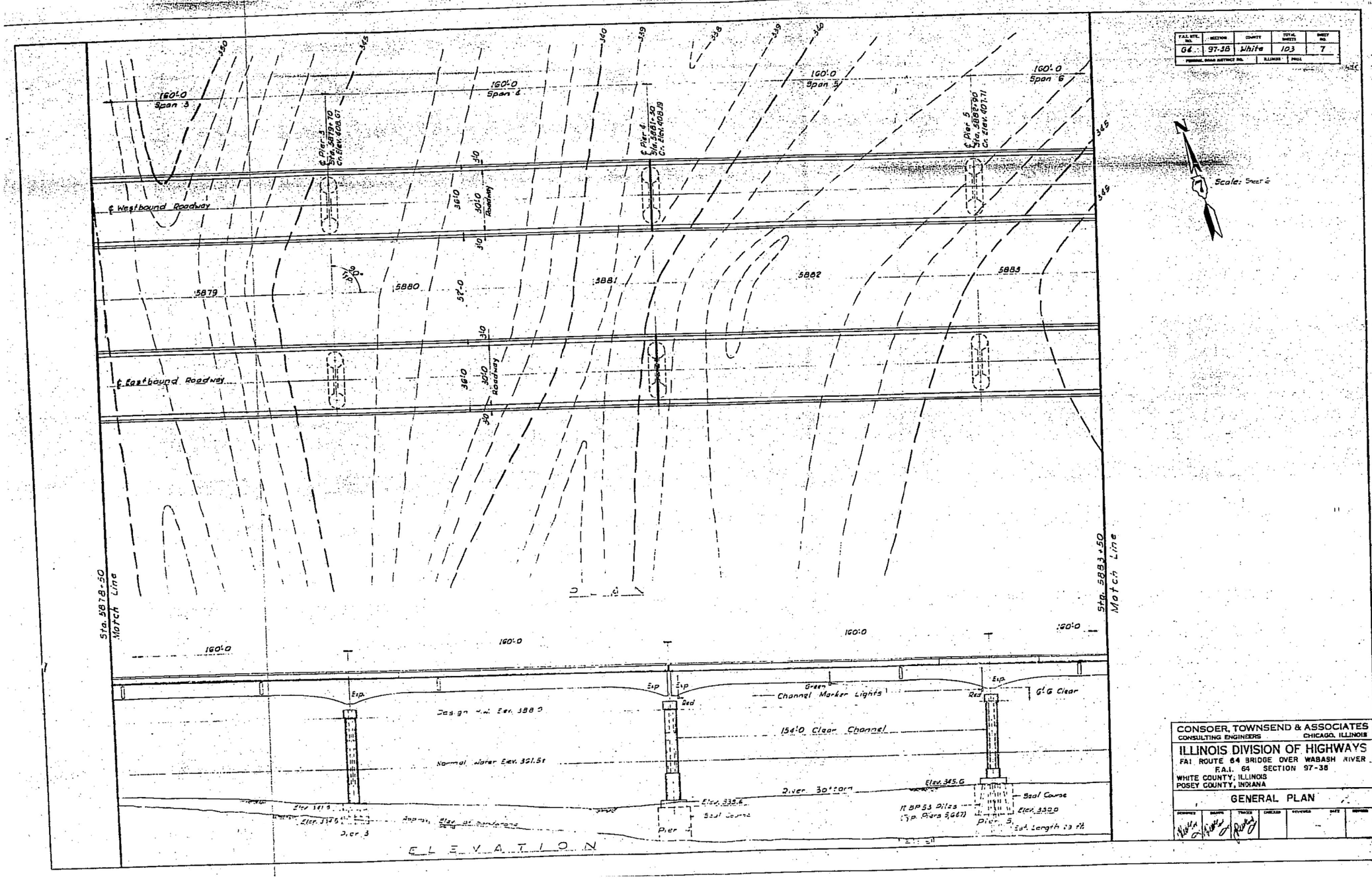

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-38	White	103	7
FEDERAL AIDS DISTRICT NO.		ILLINOIS	PROJ.	

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-38
WHITE COUNTY; ILLINOIS
POSEY COUNTY, INDIANA

GENERAL PLAN

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
KA	KA	RWB				

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-02 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	418
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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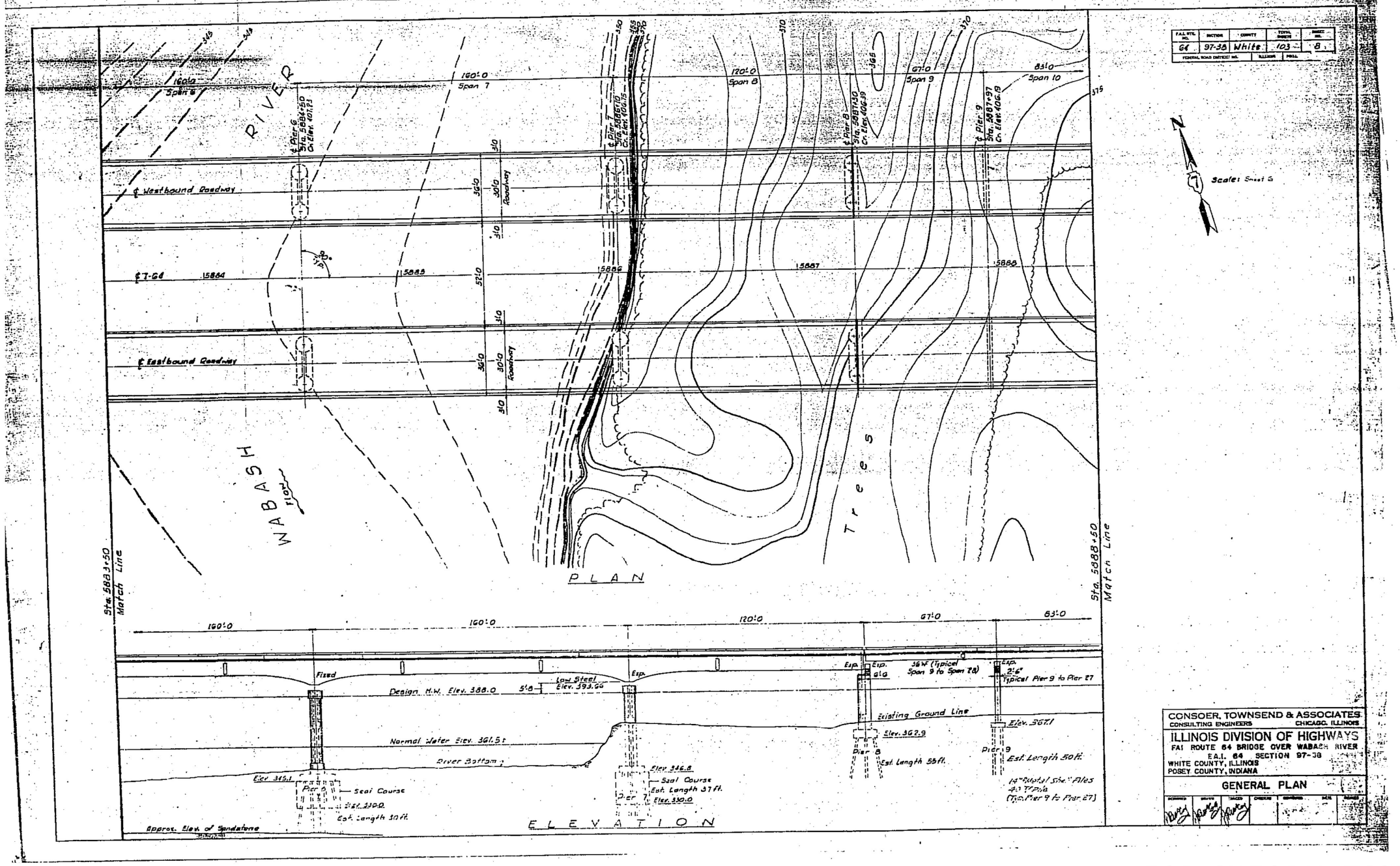


F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	8
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS — CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
E.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GENERAL PLAN

DESIGNED | DRAWN | TRACED | CHECKED | REVIEWED | DATE | APPROVED

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

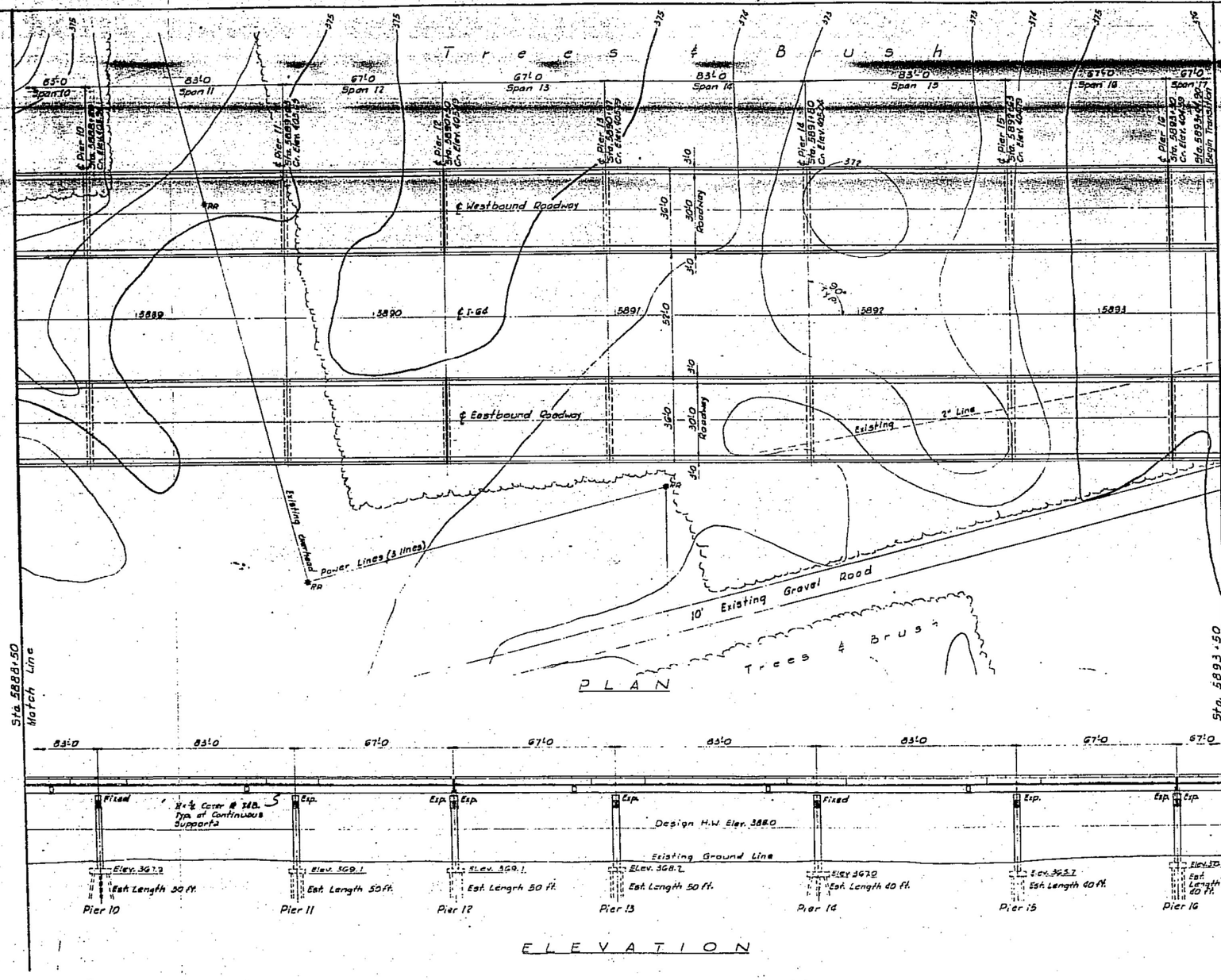
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-03 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	419
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7660\CADD\Sheets\Bridge\7660-S0080-EXIS103.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-38	White	103	9



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CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-38
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GENERAL PLAN

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RWB	RWB	RWB				

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-04 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	420
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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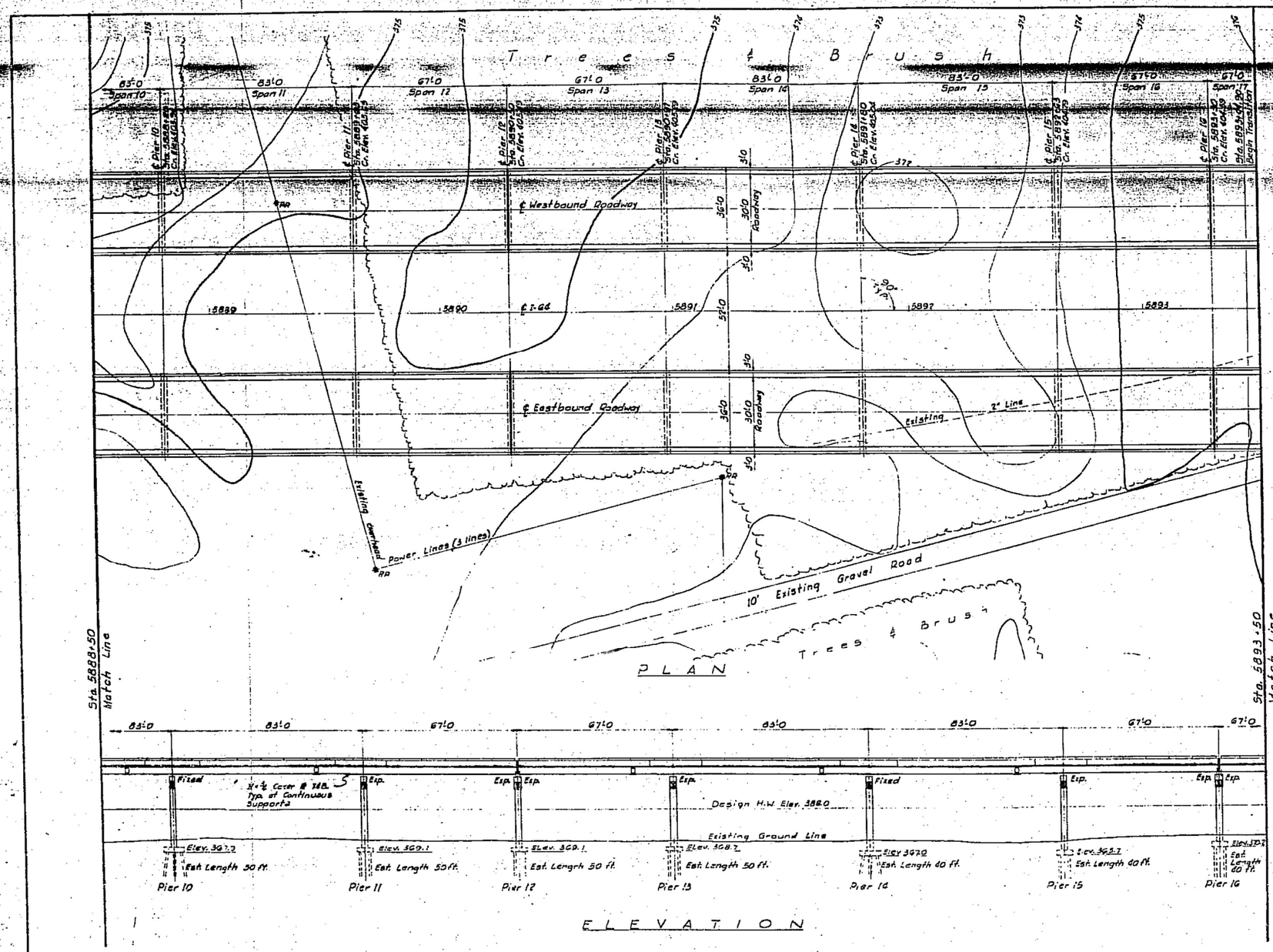
F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	9



Scale: Sheet 6

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GENERAL PLAN

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RWB	RWB	RWB				

FOR INFORMATION ONLY

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADs\Sheets\Bridges\7600-S0000-KNS103.dgn

KNIGHT
Engineers & Architects

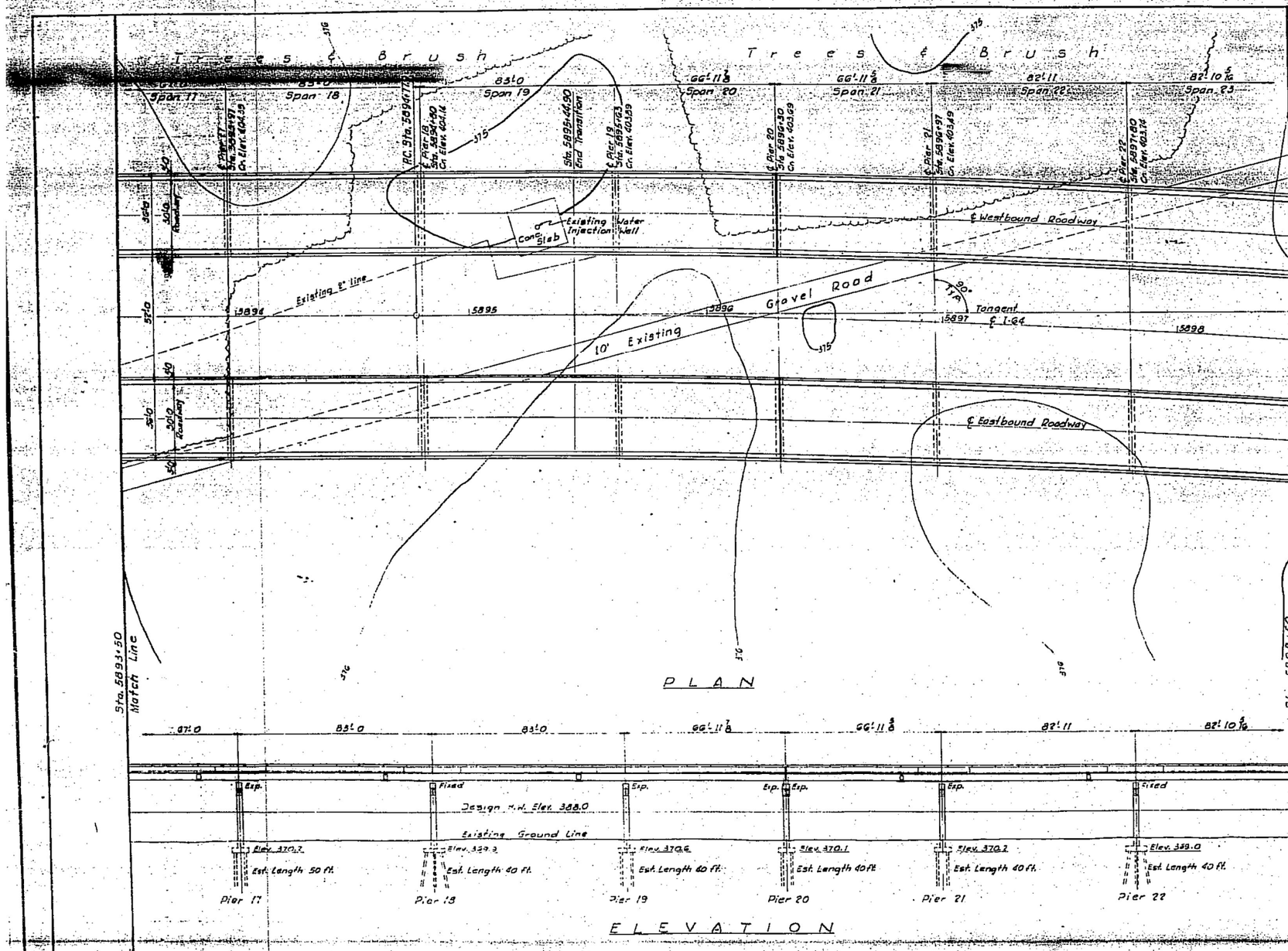
		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-05 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	421
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	10
TERRAIN, ROAD DISTRICT NO.		ILLINOIS	FED.	



Scale: Sheet 6

CURVE DATA

D	1° 00'00"
Δ	22° 11'00"
R	5730.0'
T	1125.3'
L	2218.3'
E	109.0'
SE	0.078%
P.I.	STA. 5906+01.8

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS · CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GENERAL PLAN

DESIGNED	DRAWN	TRACED	CHECKED	APPROVED	DATE	REVISED
KA	KA	KA	LS			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-06 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	422
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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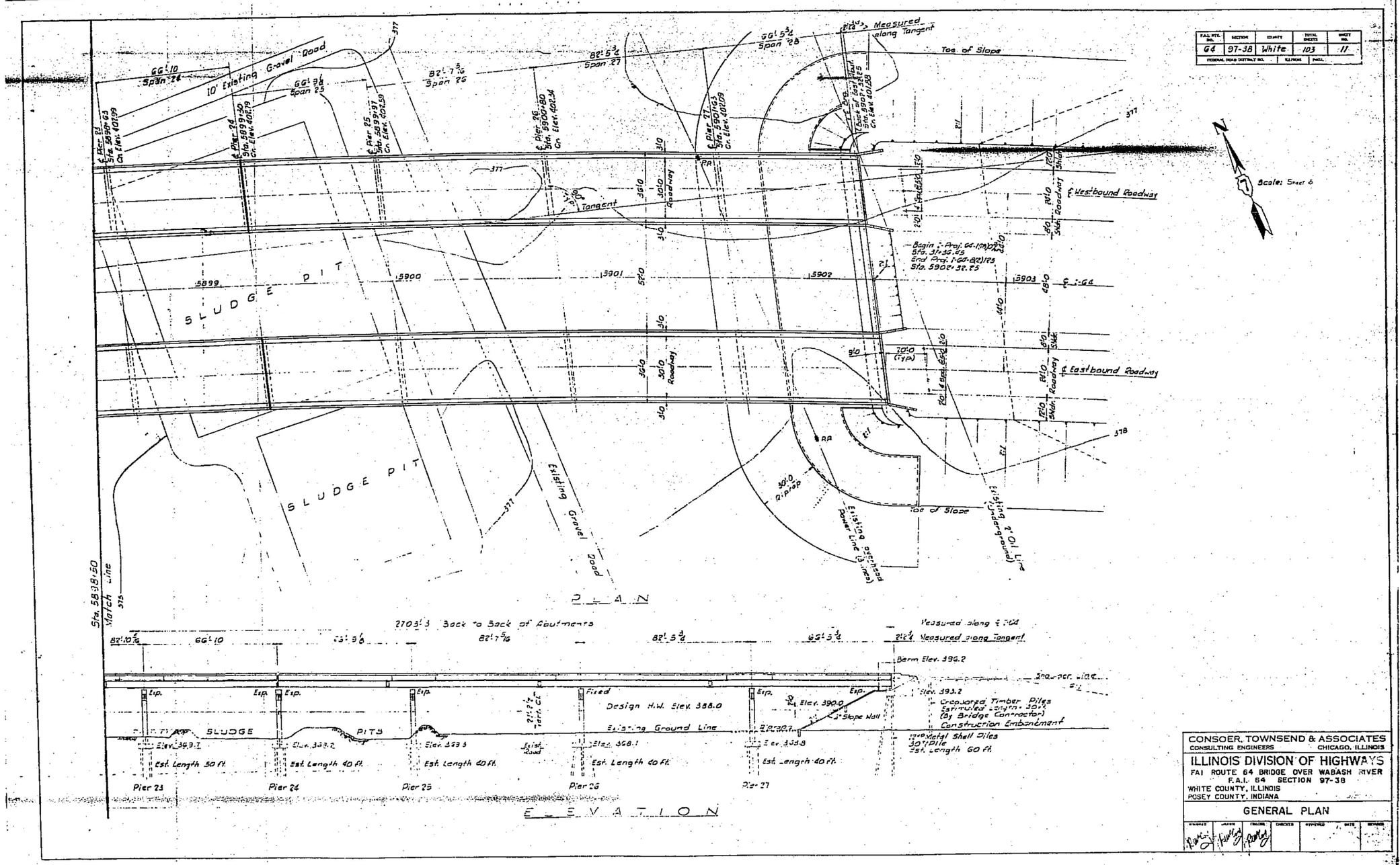

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-38	White	103	11
FEDERAL ROAD DISTRICT NO.	STATE	PROJ.		

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-38
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GENERAL PLAN

REVISED	DRAWN	TRACED	CHECKED	APPROVED	DATE	REVISED

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-07 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	423
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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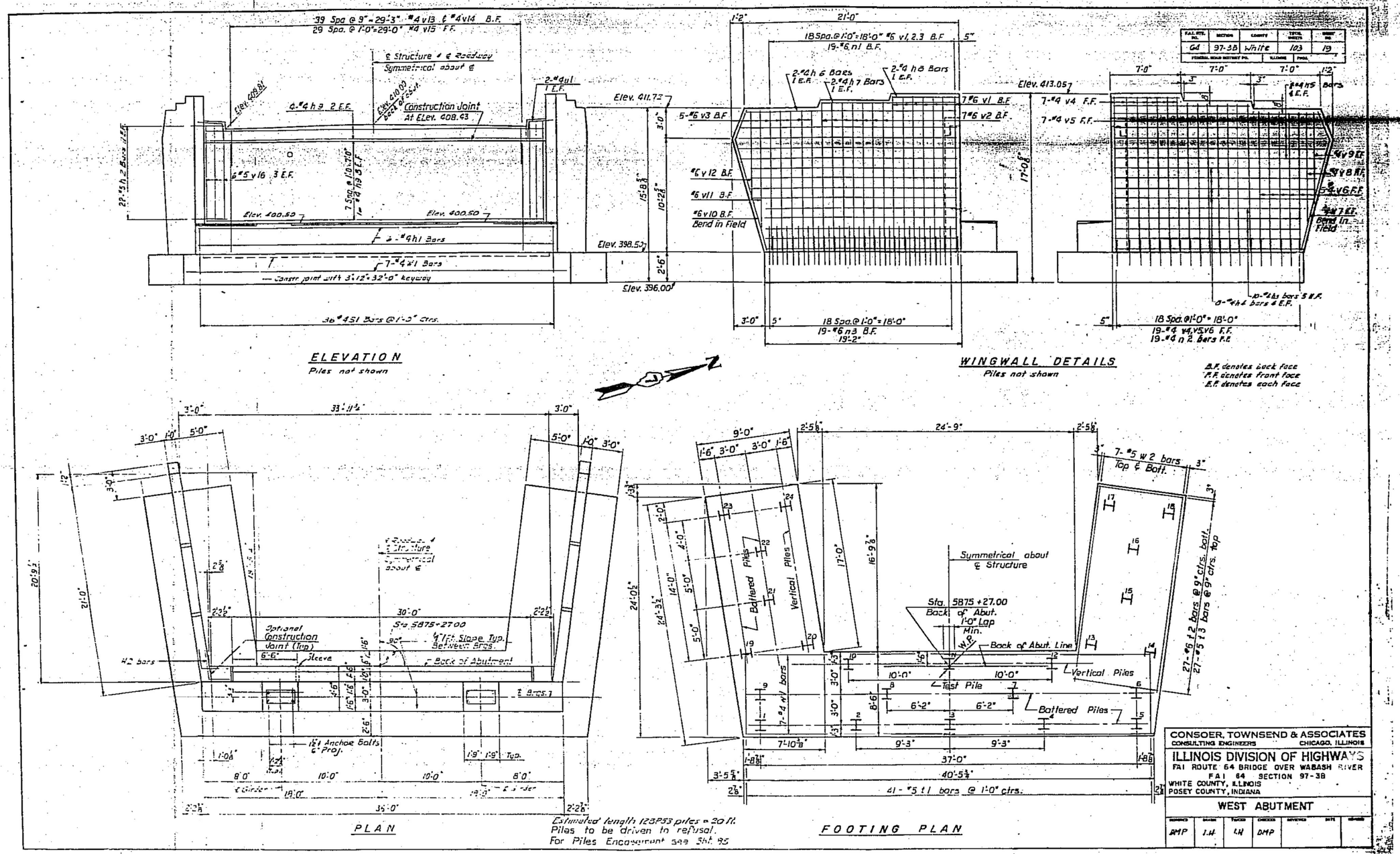

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-08 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	424
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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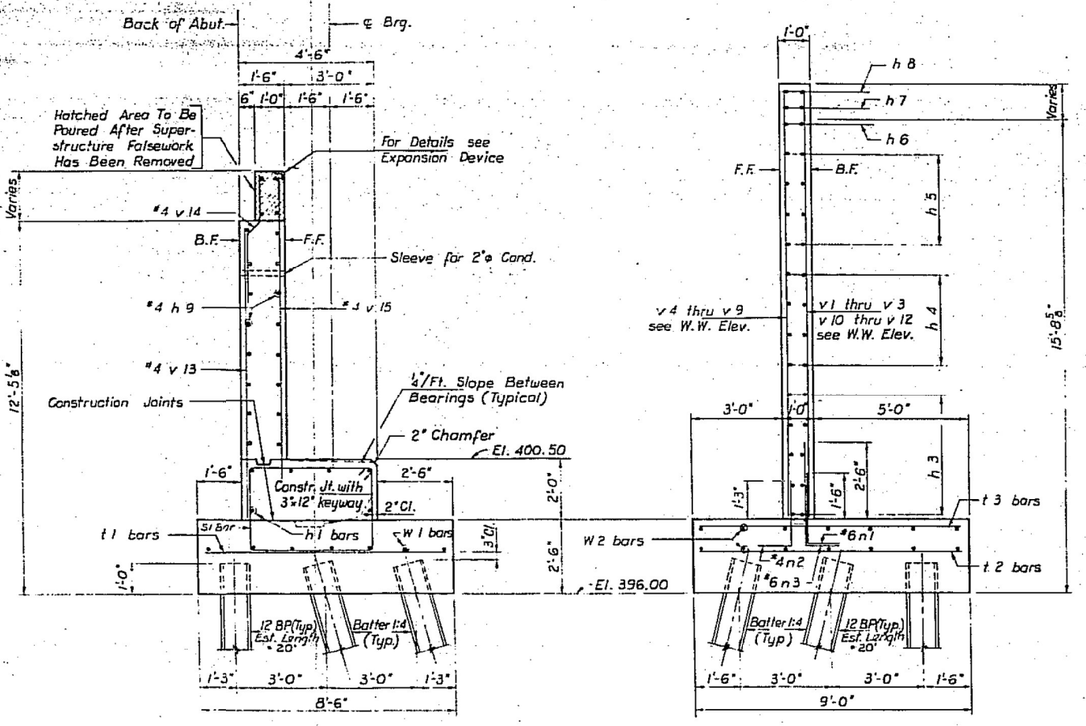
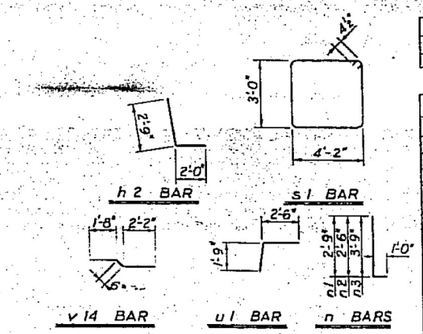


TYPICAL ABUTMENT SECTION

TYPICAL WINGWALL SECTION



F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	20
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	

BILL OF REINFORCEMENT

BAR	NO.	SIZE	LENGTH	SHAPE
h 1	6	4	35'-8"	
h 2	44	5	4'-9"	
h 3	20	4	18'-10"	
h 4	16	4	20'-0"	
h 5	16	4	21'-0"	
h 6	4	4	20'-6"	
h 7	4	4	13'-6"	
h 8	4	4	6'-6"	
h 9	20	4	33'-6"	
n 1	38	6	3'-9"	
n 2	38	4	3'-6"	
n 3	38	6	4'-9"	
s 1	36	4	15'-1"	
t 1	41	5	8'-0"	
t 2	54	6	8'-6"	
t 3	54	5	8'-6"	
u 1	4	4	4'-3"	
v 1	14	6	14'-3"	
v 2	14	6	13'-7"	
v 3	10	6	12'-11"	
v 4	14	4	14'-3"	
v 5	14	4	13'-7"	
v 6	10	4	12'-11"	
v 7	2	4	13'-3"	
v 8	2	4	11'-3"	
v 9	2	4	8'-6"	
v 10	2	6	13'-3"	
v 11	2	6	11'-3"	
v 12	2	6	8'-6"	
v 13	40	4	9'-9"	
v 14	40	4	4'-4"	
v 15	30	4	10'-0"	
v 16	12	5	9'-8"	
w 1	14	4	20'-7"	
w 2	28	5	19'-9"	

ABUTMENT QUANTITIES

CLASS X CONCRETE	CU. YDS.	110.3
REINFORCING BARS	LBS.	6800
PILES 12 BP 53	LIN. FT.	460
TEST PILE 12 BP 53	EA.	1

Quantities Shown are for one(1) Abutment

STATION 5888+80
BUILT 196 BY
STATE OF INDIANA
F.A.I. RT. 64 SEC.
FA. PROJ. I-64-8(2)
LOADING H20-S16 & ALT.

NAME PLATE TO BE USED ON INDIANA SIDE

STATION 5888+80
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 64 SEC. 97-3 B
F.A. PROJ. I-64-8 (2)
LOADING H20-S16 & ALT.

LUGS FOR CONCRETE MOUNTING

BRASS OR BRONZE NAME PLATE ILLINOIS HIGHWAY STANDARD NO. 2114-1 (INCLUDED WITH PLANS)

NAME PLATE TO BE USED ON ILLINOIS SIDE

BRIDGE NAME PLATE
2 Req'd

Use for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3 B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

WEST ABUTMENT DETAILS

DESIGNED	DRAWN	TRACED	CHECKED	TYPEWRITE	DATE	REVISED
D.H.P.	T.L.	T.L.	L.S.			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

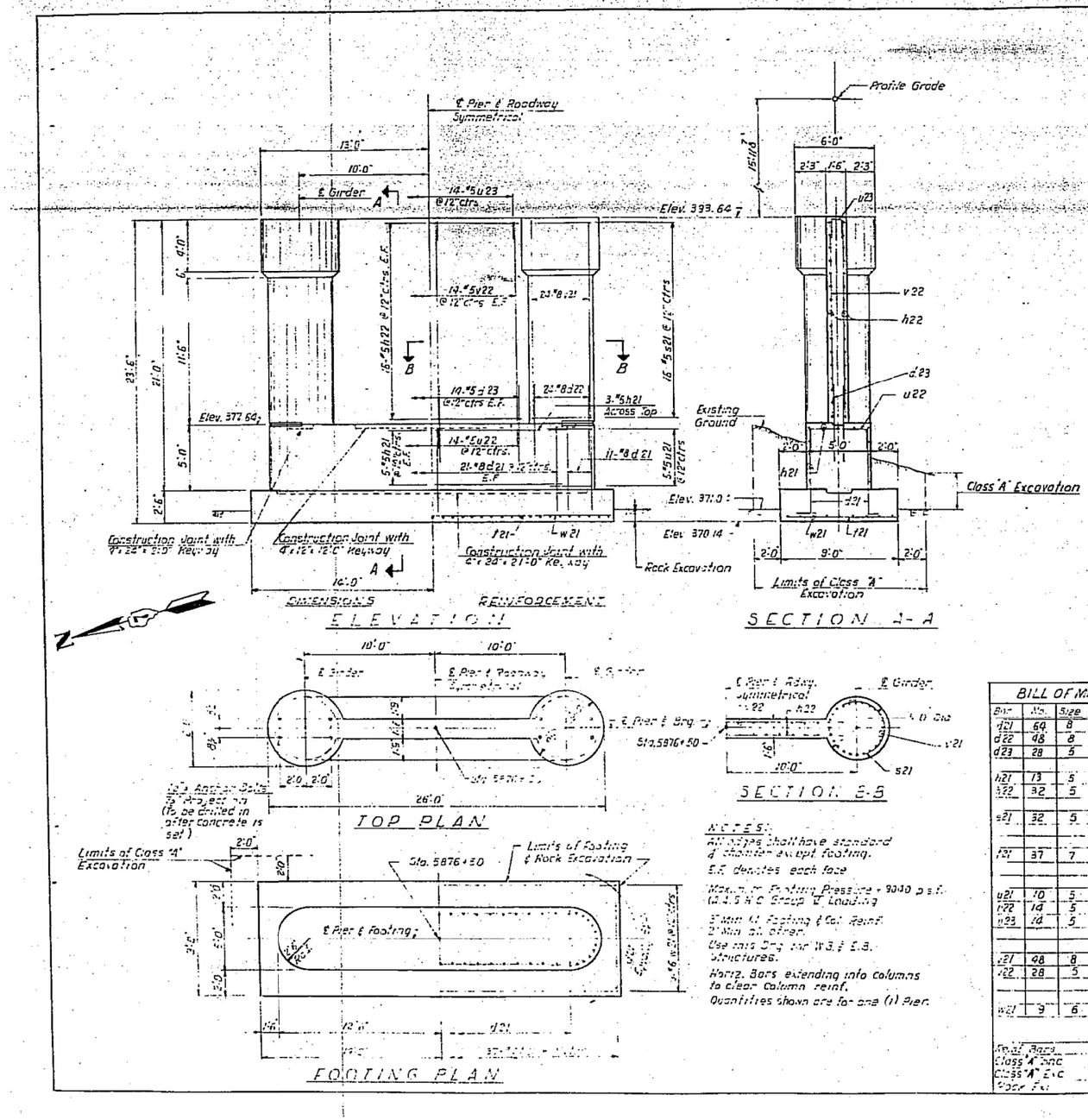
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-09 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	425
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

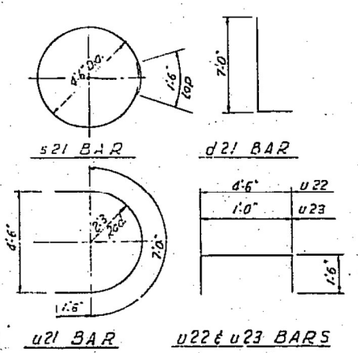
PLOT DATE = 8/9/2023
FILE NAME: L:\7660\CADD\Sheets\Bridge\7660-S0080-EXS109.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-3B)	WHITE	103	27
FEDERAL ROAD DISTRICT NO.	ILLINOIS	PROJECT NO.		



BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
d21	60	8	8'-6"	L
d22	48	8	6'-0"	
d23	28	5	6'-0"	
h21	13	5	20'-0"	
h22	32	5	18'-0"	
s21	32	5	15'-6"	O
f21	37	7	8'-6"	
u21	10	5	10'-0"	
u22	14	5	7'-6"	
u23	14	5	4'-0"	
v21	48	8	15'-6"	
v22	28	5	15'-6"	
w21	9	6	20'-6"	

Total	Bars	Lbs	7513
Class "A" Conc		Cu.Yds	84.7
Class "A" Exc		Cu.Yds	40
Rock Exc		Cu.Yds	8



NOTES:
All edges shall have standard 4" chamfer except footing.
E.F. denotes each face
Maximum Footing Pressure = 9000 p.s.f. (A.A.S.H.T.O. Group II Loading)
3" Min. cl. Footing & Col. Reinf.
2" Min. cl. other.
Use this Dwg. for W.B. & E.B. Structures.
Horiz. Bars extending into columns to clear column reinf.
Quantities shown are for one (1) Pier.

Use this Dwg. for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
FAI 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 1

DESIGNED	DRAWN	CHECKED	CHECKED	DATE	REVISED
	LH	LH			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-10 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	426
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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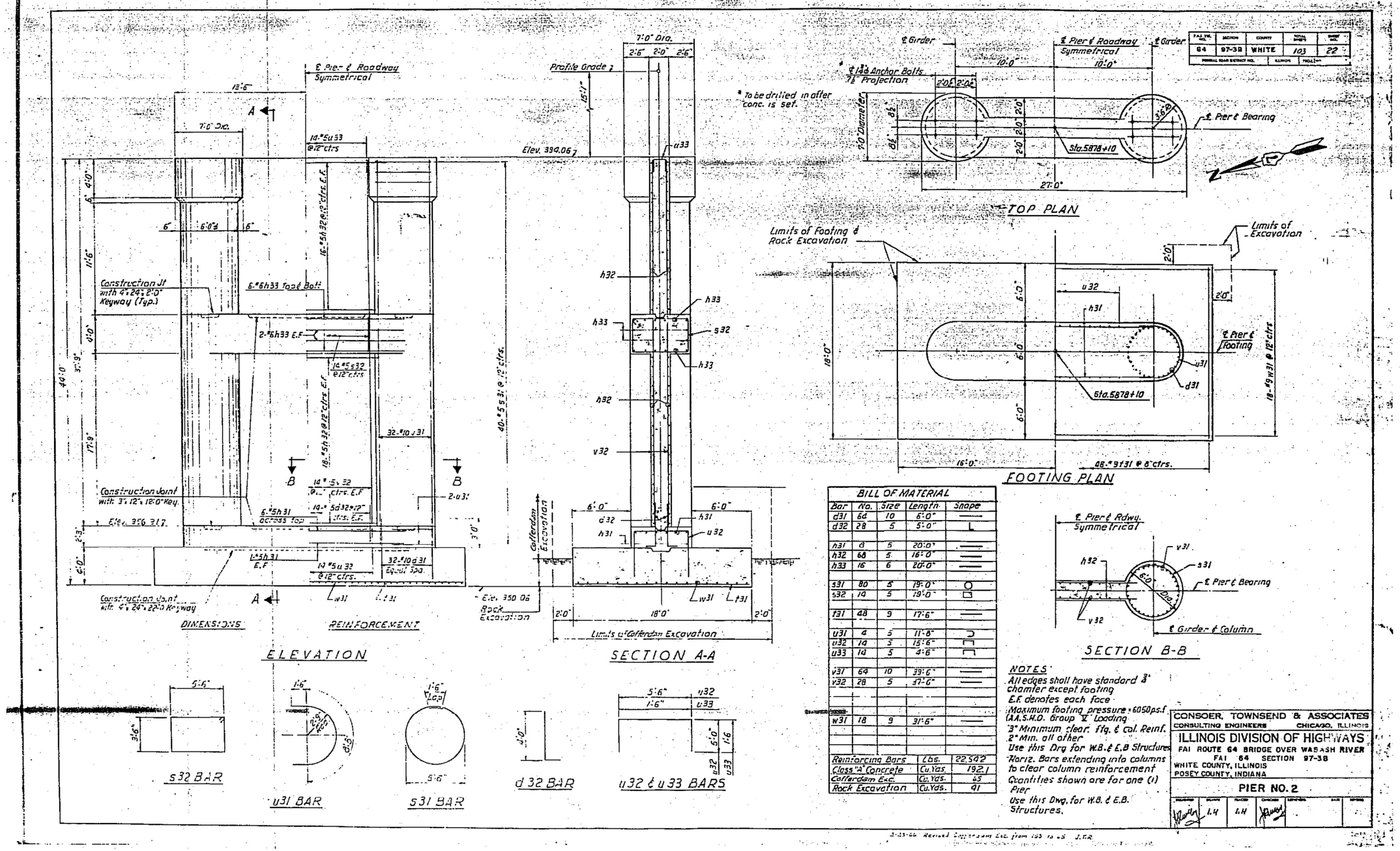

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	WHITE	103	22
PROJECT REF. & DISTRICT NO.		ILLINOIS	PROJECT NO.	

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
d31	64	10	6'-0"	
d32	28	5	5'-0"	L
h31	8	5	20'-0"	
h32	68	5	16'-0"	
h33	16	6	20'-0"	
s31	80	5	19'-0"	O
s32	14	5	19'-0"	□
t31	48	9	17'-6"	
u31	4	5	11'-8"	
u32	14	5	15'-6"	
u33	14	5	4'-6"	
v31	64	10	39'-6"	
v32	28	5	37'-6"	
w31	18	9	31'-6"	
Reinforcing Bars			Lbs.	22,502
Class "A" Concrete			Cu. Yds.	192.1
Cofferdam Exc.			Cu. Yds.	65
Rock Excavation			Cu. Yds.	91

NOTES

All edges shall have standard ¾" chamfer except footing

E.F. denotes each face

Maximum footing pressure = 6050 psf (A.A.S.H.O. Group "I" Loading

3" Minimum clear. ftg. & col. Reinf.
2" Min. all other

Use this Drg for W.B. & E.B Structures

Horiz. Bars extending into columns to clear column reinforcement

Quantities shown are for one (1) Pier

Use this Dwg. for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
FAI 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 2

DESIGNED	DRAWN	TRACED	CHECKED	SUPERVISED	DATE	APPROVED
	L.H	L.H				

3-23-06 Revised Cofferdam Exc. from 195 to 65 J.C.R.

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-11 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	427
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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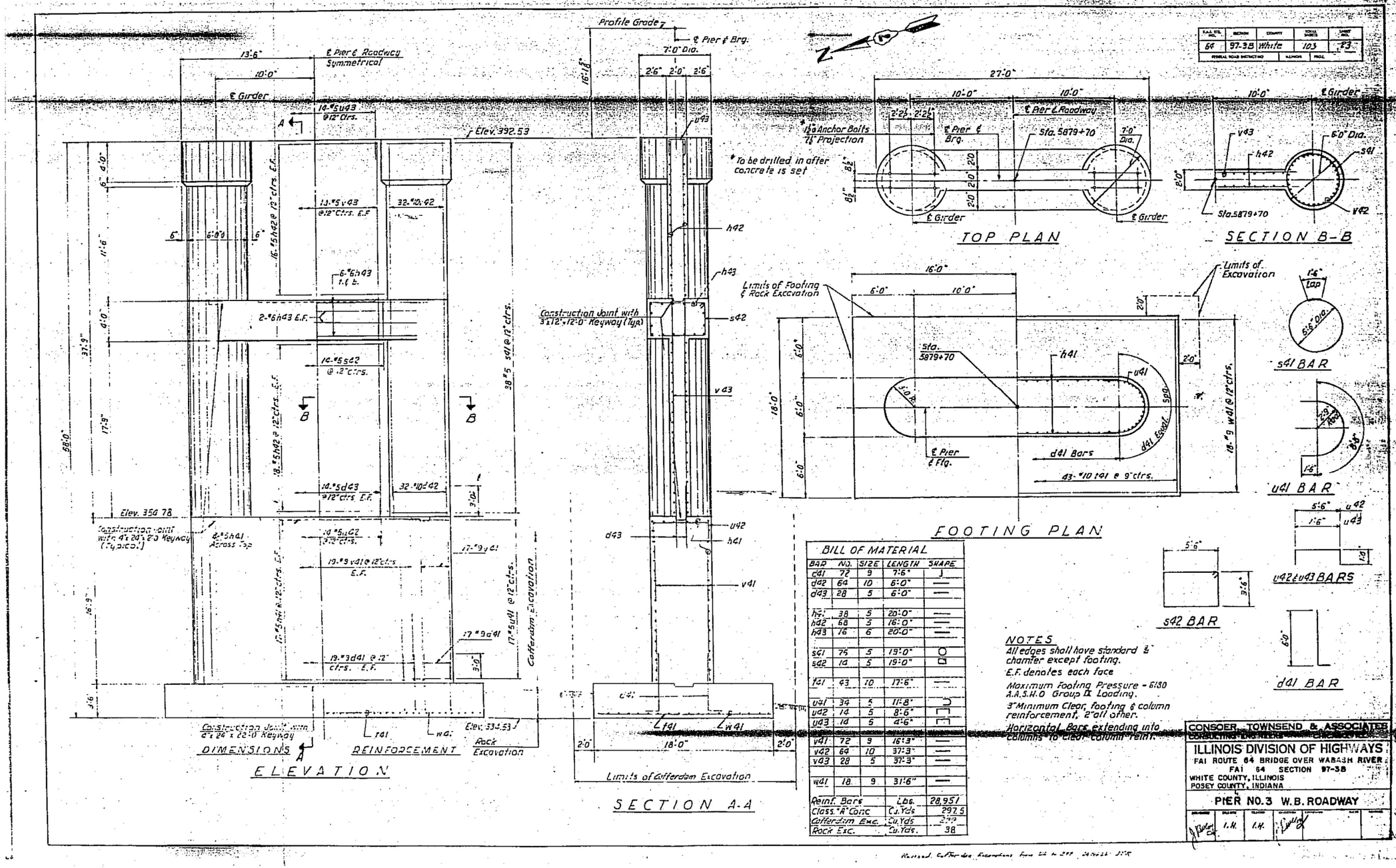


BILL OF MATERIAL				
BAR	NO.	SIZE	LENGTH	SHAPE
c41	72	9	7'-6"	J
d42	64	10	6'-0"	—
d43	28	5	6'-0"	—
h41	38	5	20'-0"	—
h42	68	5	16'-0"	—
h43	16	6	20'-0"	—
s41	75	5	19'-0"	○
s42	14	5	19'-0"	□
t41	43	10	17'-6"	—
u41	34	5	11'-8"	⊃
u42	14	5	8'-6"	⊓
u43	14	5	4'-6"	⊓
v41	72	9	16'-3"	—
v42	64	10	37'-3"	—
v43	28	5	37'-3"	—
w41	18	9	31'-6"	—
Reinf. Bars			Lbs.	28,951
Class "A" Conc			Cu. Yds	297.5
Cofferdam Exc.			Cu. Yds	292
Rock Exc.			Cu. Yds.	38

NOTES

All edges shall have standard ¾" chamfer except footing.

E.F. denotes each face

Maximum Footing Pressure - 6180 A.A.S.H.O Group IX Loading.

3" Minimum Clear, footing & column reinforcement, 2" all other.

Horizontal Bars extending into columns to clear column reinf.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	73

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
FAI 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 3 W.B. ROADWAY

I.H. I.H.

Revised Cofferdam Excavation from 24 to 292 24/11/11 JCK

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

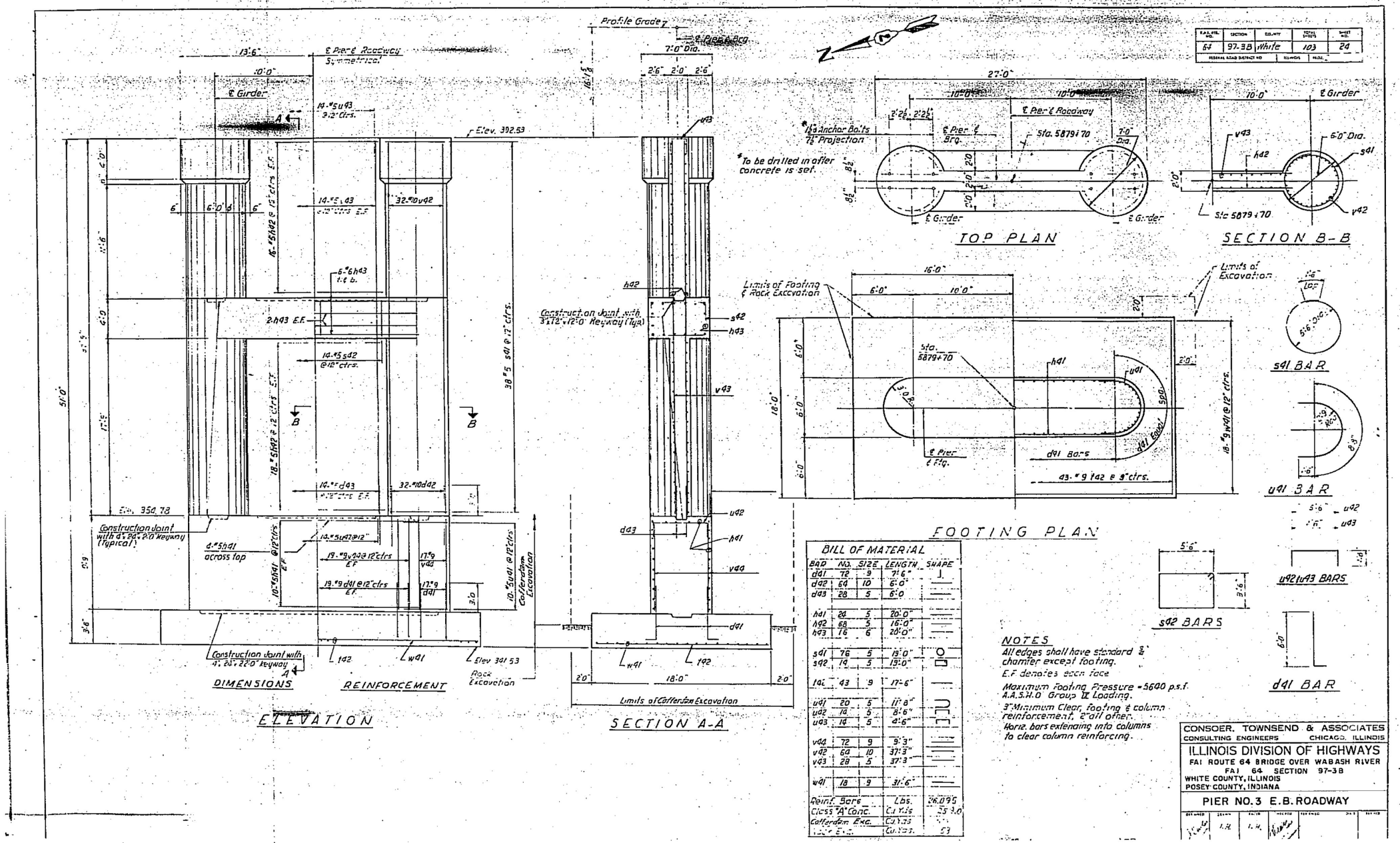
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-12 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	428
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7660\CAD\Sheets\Bridge\7660-S0080-EXIS112.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	24
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
d41	72	9	7'-6"	
d42	64	10	6'-0"	
d43	28	5	6'-0"	
h41	28	5	20'-0"	
h42	68	5	16'-0"	
h43	16	6	20'-0"	
s41	76	5	19'-0"	
s42	14	5	19'-0"	
t41	43	9	17'-6"	
u41	20	5	11'-8"	
u42	14	5	8'-6"	
u43	14	5	4'-6"	
v44	72	9	9'-3"	
v42	64	10	37'-3"	
v43	28	5	37'-3"	
w41	18	9	31'-6"	
Reinf. Bars			Lbs.	26,095
Class "A" Conc.			Cu. Yds.	25.3
Cofferdam Exc.			Cu. Yds.	
Rock Exc.			Cu. Yds.	53

NOTES

All edges shall have standard ¾" chamfer except footing.

E.F. denotes each face

Maximum footing Pressure = 5600 p.s.f. A.A.S.H.O. Group IX Loading.

3" Minimum Clear, footing & column reinforcement, 2" all other.

Horiz. bars extending into columns to clear column reinforcing.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
FAI 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 3 E.B. ROADWAY

DESIGNED	DRAWN	CHECKED	REVISED	REVISED	DATE	REVISED
K.A.	K.A.	L.S.				

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-13 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	429
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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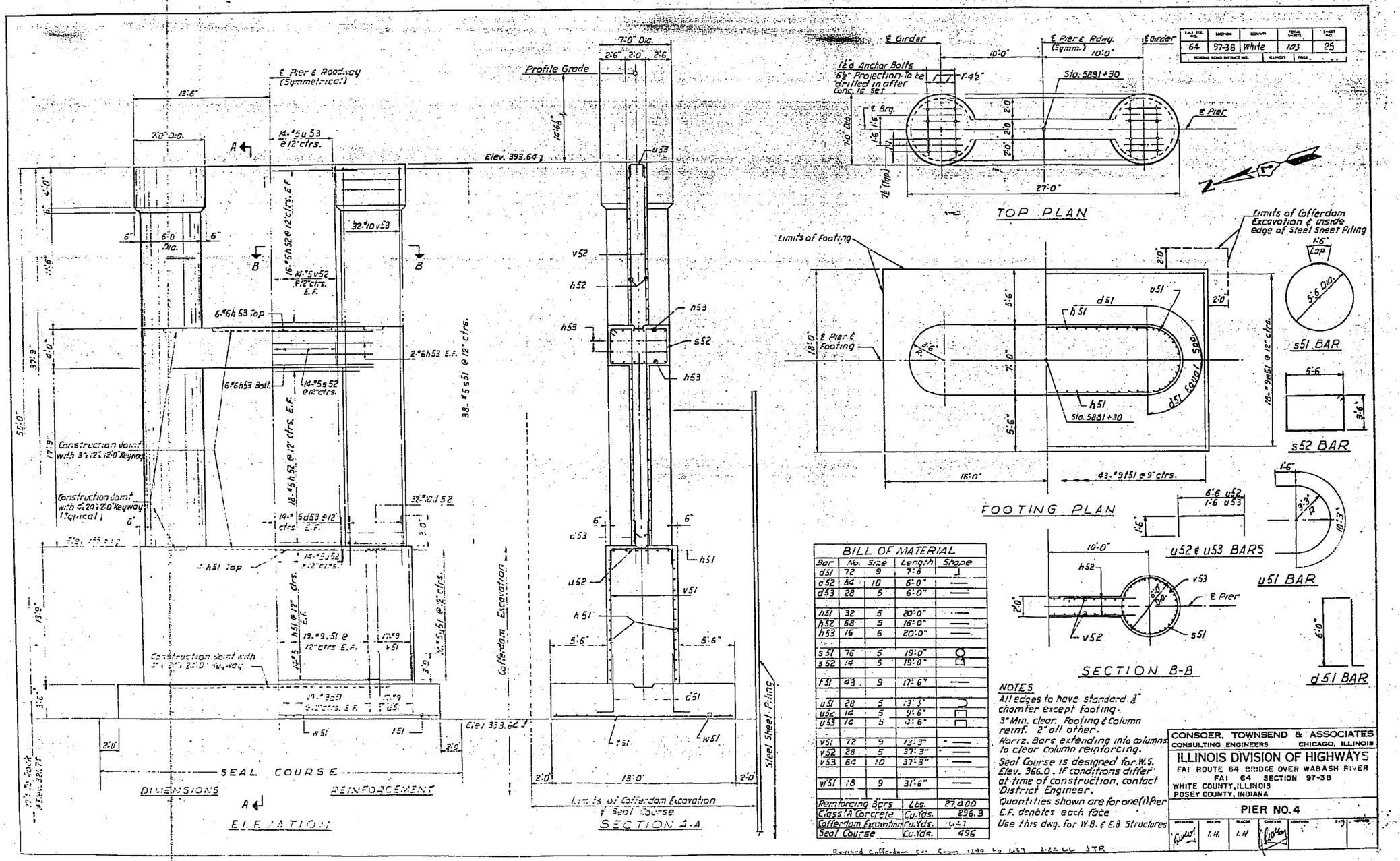

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
d51	72	9	7'-6"	
d52	64	10	6'-0"	
d53	28	5	6'-0"	
h51	32	5	20'-0"	
h52	68	5	16'-0"	
h53	16	6	20'-0"	
s51	76	5	19'-0"	
s52	14	5	19'-0"	
t51	43	9	17'-6"	
u51	28	5	13'-3"	
u52	14	5	9'-6"	
u53	14	5	9'-6"	
v51	72	9	13'-3"	
v52	28	5	37'-3"	
v53	64	10	37'-3"	
w51	18	9	31'-6"	
Reinforcing Bars			Lbs.	27,400
Class 'A' Concrete			Cu.Yds.	296.3
Cofferdam Excavation			Cu.Yds.	1,437
Seal Course			Cu.Yds.	496

NOTES

All edges to have standard ¾" chamfer except footing.

3" Min. clear. Footing & Column reinf. 2" all other.

Horiz. Bars extending into columns to clear column reinforcing.

Seal Course is designed for W.S. Elev. 366.0. If conditions differ at time of construction, contact District Engineer.

Quantities shown are for one(1) Pier

E.F. denotes each face

Use this dwg. for W.B. & E.B. Structures

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	25

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
FAI 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 4

DESIGNED I.H. DRAWN I.H. CHECKED

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-14 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	430
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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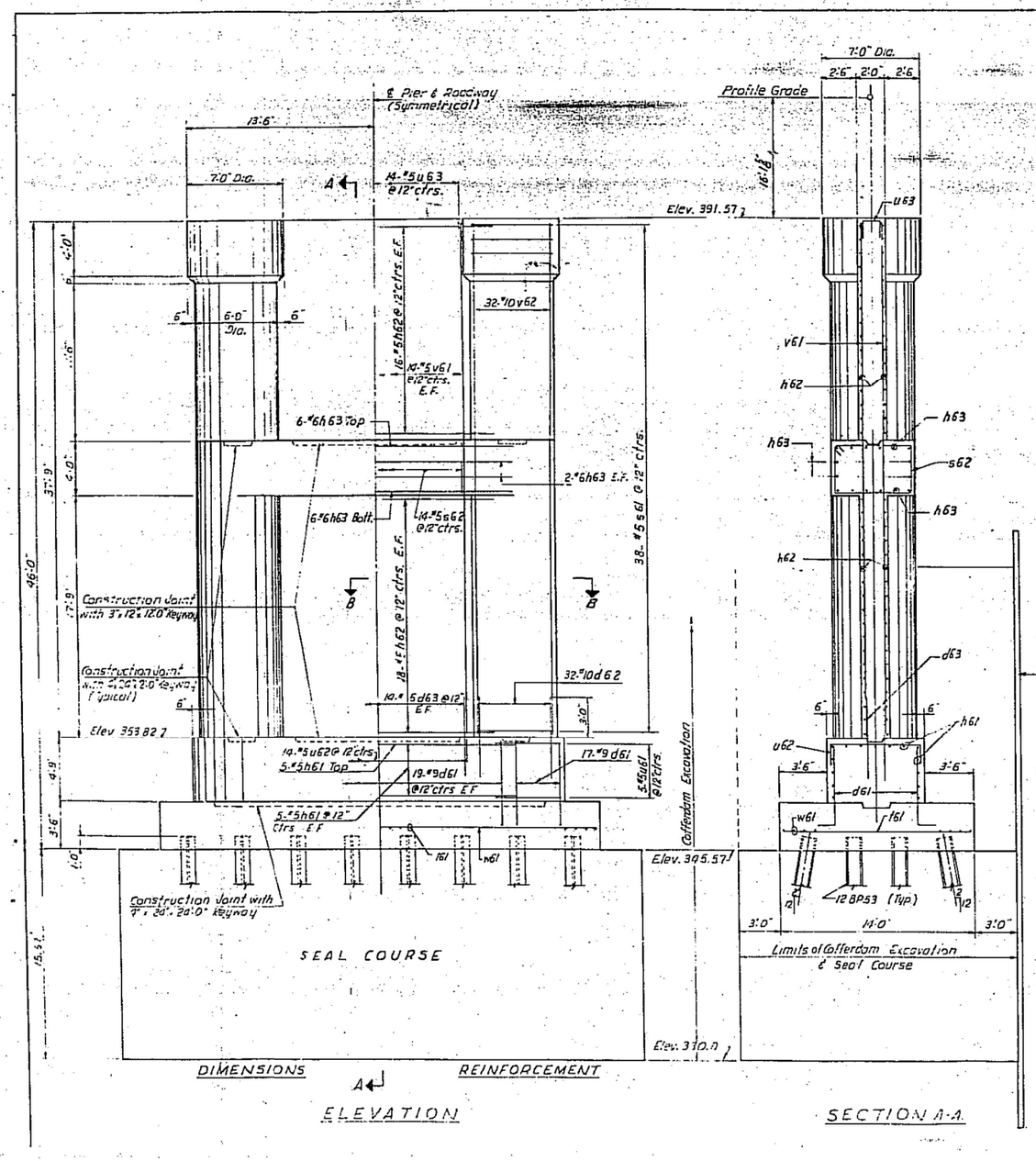

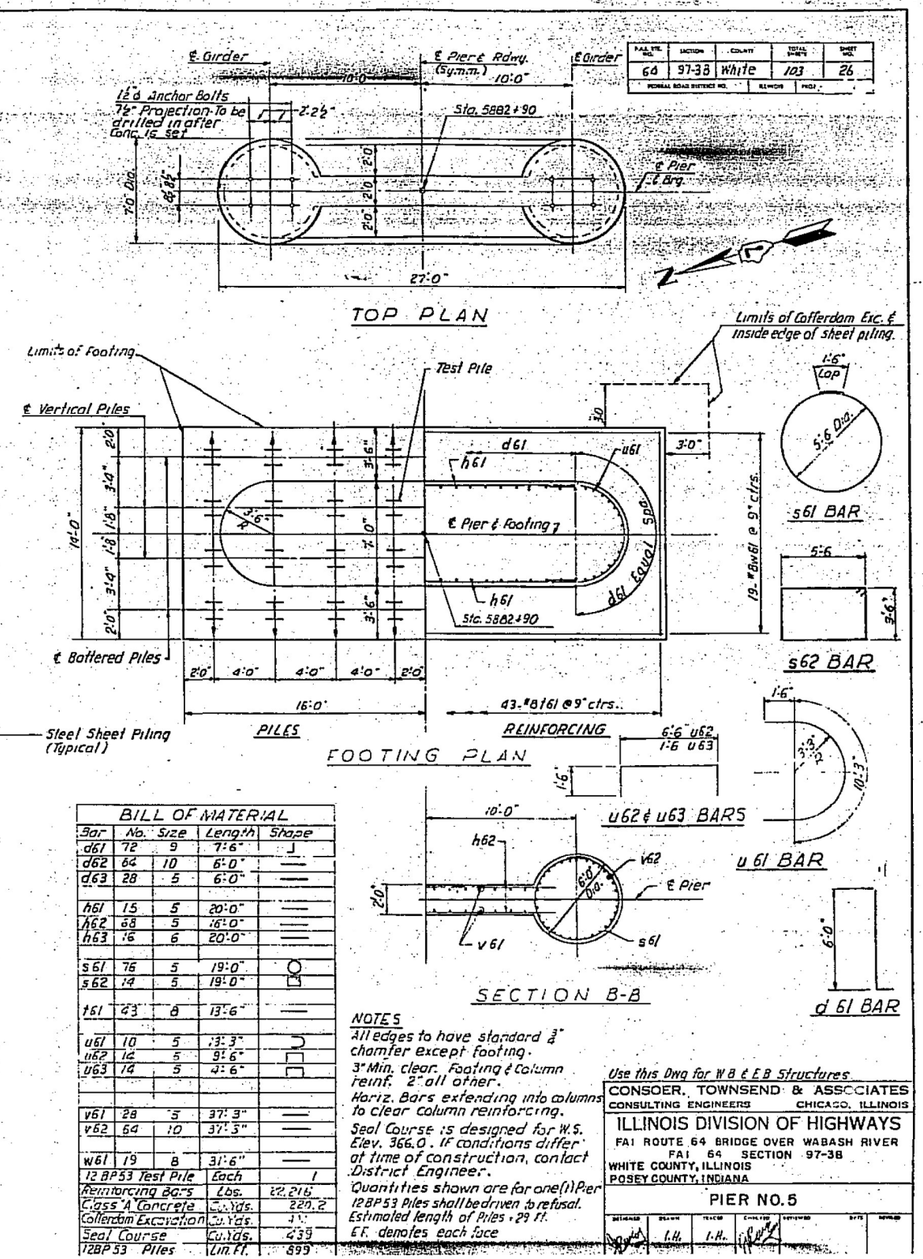

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
d61	72	9	7'-6"	
d62	64	10	6'-0"	
d63	28	5	6'-0"	
h61	15	5	20'-0"	
h62	68	5	16'-0"	
h63	16	6	20'-0"	
s61	76	5	19'-0"	
s62	14	5	19'-0"	
t61	43	8	13'-6"	
u61	10	5	13'-3"	
u62	12	5	9'-6"	
u63	14	5	9'-6"	
v61	28	5	37'-3"	
v62	64	10	37'-3"	
w61	19	8	31'-6"	
12 BP53 Test Pile			Each	1
Reinforcing Bars			Lbs.	22,216
Class "A" Concrete			Cu. Yds.	220.2
Cofferdam Excavation			Cu. Yds.	[illegible]
Seal Course			Cu. Yds.	439
12BP53 Piles			Lin. Ft.	899

NOTES
All edges to have standard ¾" chamfer except footing.
3" Min. clear. Footing & Column reinf. 2" all other.
Horiz. Bars extending into columns to clear column reinforcing.
Seal Course is designed for W.S. Elev. 366.0. If conditions differ at time of construction, contact District Engineer.
Quantities shown are for one(1) Per 12BP53 Piles shall be driven to refusal.
Estimated length of Piles = 29 ft.
E.F. denotes each face

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	26
PROPOSED ROAD DISTRICT NO.		ILLINOIS	PROJ.	

Use this Dwg for W B & E B Structures
CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
FAI 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 5

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
	I.H.	I.H.				

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-15 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	431
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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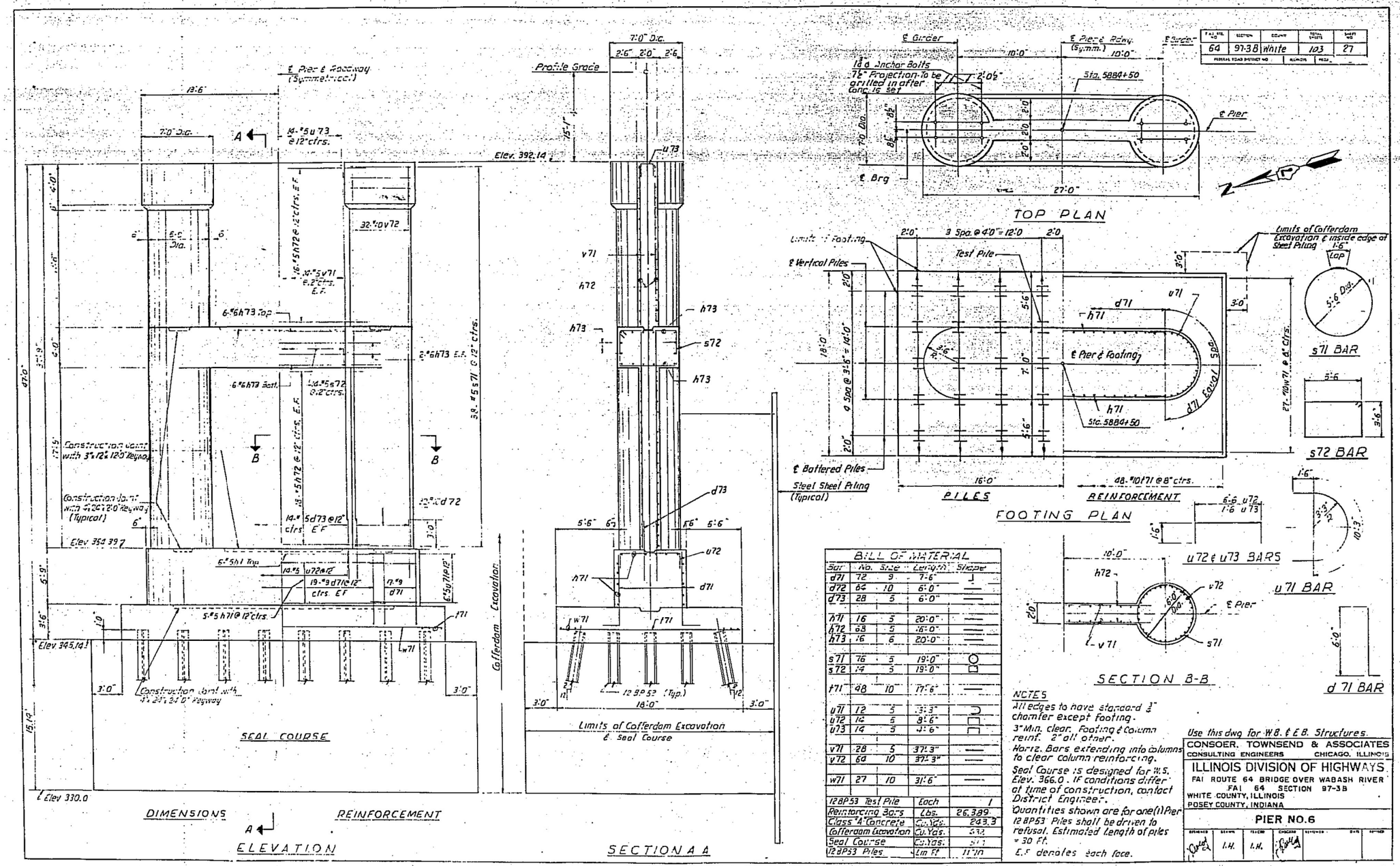

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
d71	72	9	7'-6"	
d72	64	10	6'-0"	
d73	28	5	6'-0"	
h71	16	5	20'-0"	
h72	68	5	16'-0"	
h73	16	6	20'-0"	
s71	76	5	19'-0"	
s72	14	5	19'-0"	
t71	48	10	17'-6"	
u71	12	5	13'-3"	
u72	14	5	8'-6"	
u73	14	5	4'-6"	
v71	28	5	37'-3"	
v72	64	10	37'-3"	
w71	27	10	31'-6"	
12BP53 Test Pile			Each	1
Reinforcing Bars			Lbs.	26,389
Class "A" Concrete			Cu. Yds.	243.3
Cofferdam Excavation			Cu. Yds.	332
Seal Course			Cu. Yds.	311
12BP53 Piles			Lin. Ft.	1110

NOTES

All edges to have standard ¾" chamfer except footing.

3" Min. clear. Footing & column reinf. 2" all other.

Horiz. Bars extending into columns to clear column reinforcing.

Seal Course is designed for W.S. Elev. 366.0. If conditions differ at time of construction, contact District Engineer.

Quantities shown are for one (1) Pier. 12 BP53 Piles shall be driven to refusal. Estimated length of piles = 30 Ft.

E.F. denotes each face.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	27

FEDERAL ROAD DISTRICT NO. | ILLINOIS | FED. AID PROJ.

Use this dwg for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
FAI 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 6

DESIGNED	DRAWN	TRACED	CHECKED	REVISIONS	DATE	REVISED
	I.H.	I.H.				

2-23-23 Revised Cofferdam Exc. from 1216 cu.yds. to 332 cu.yds.

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-16 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	432
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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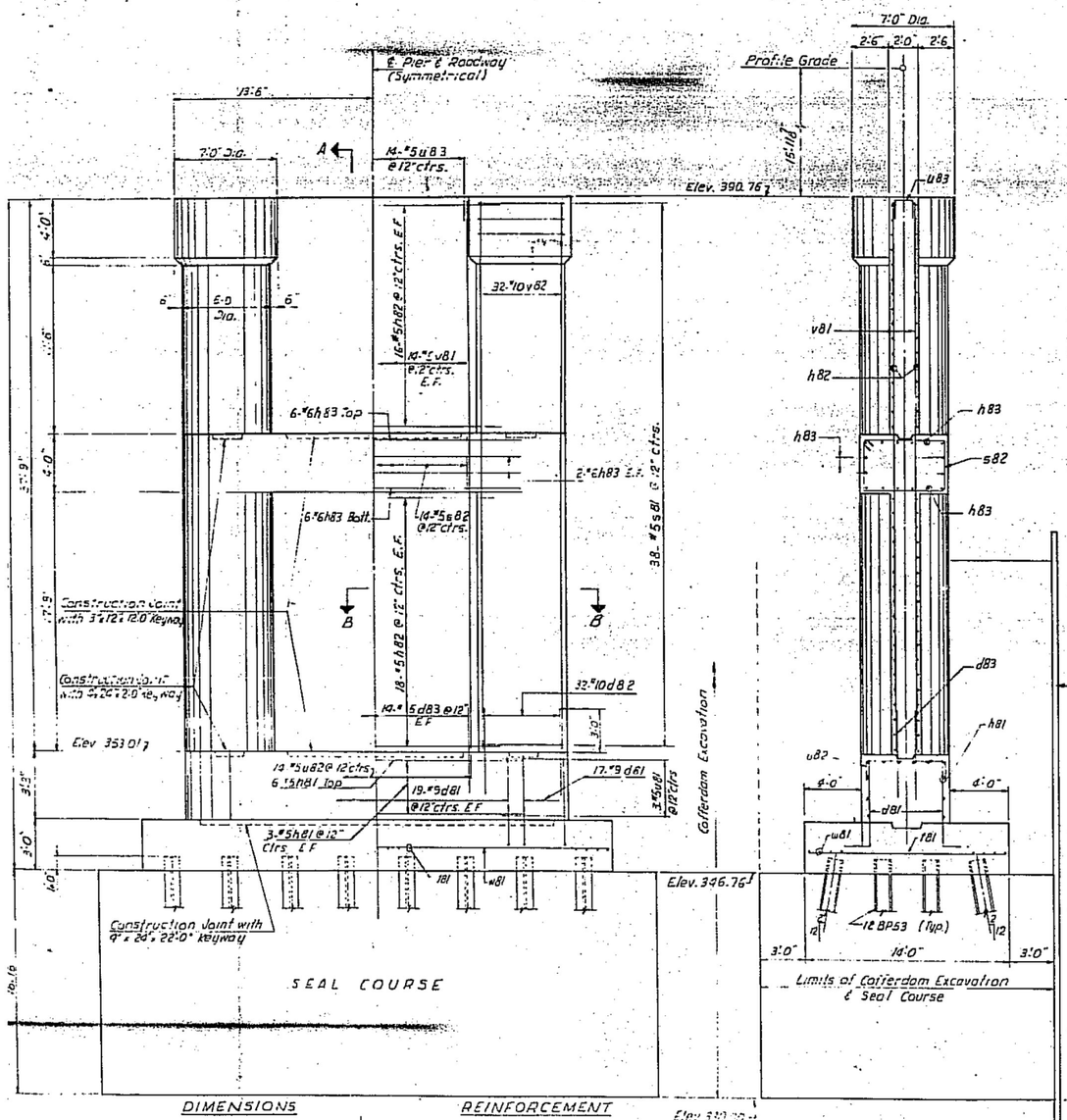
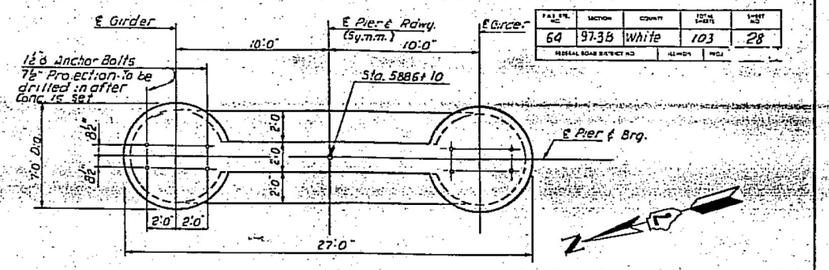
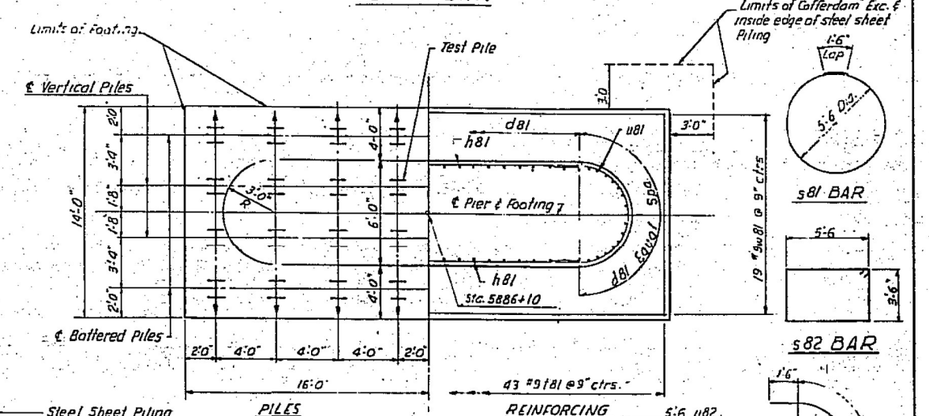






BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
d81	72	9	6'-6"	
d82	64	10	6'-0"	
d83	28	5	6'-0"	
h81	12	5	20'-0"	
h82	68	5	16'-0"	
h83	16	6	20'-0"	
s81	76	5	19'-0"	
s82	14	5	19'-0"	
T81	63	9	13'-6"	
u81	6	5	11'-8"	
u82	14	5	8'-6"	
u83	14	5	9'-6"	
v81	28	5	37'-3"	
v82	64	10	37'-3	
w81	19	9	31'-6	
12 BP 53 Test Pile			Each	1
Reinforcing Bars			Lbs.	22,690
Class "A" Concrete			Cu. Yds.	138.2
Cofferdam Excavation			Cu. Yds.	[illegible]
Seal Course			Cu. Yds.	473
12 BP 53 Piles			Lin. Ft.	1125

NOTES

All edges to have standard ¾" chamfer except footing.

3" Min. clear. Footing & Column reinf. 2" all other.

Horiz. Bars extending into columns to clear column reinforcing.

Seal Course is designed for W.S. Elev. 366.0. If conditions differ at time of construction, contact District Engineer.

Quantities shown are for one (1) Pier.

E.F. denotes each face.

12 #12 53 Piles shall be driven to refusal. Estimated length of piles [illegible]

Use this dwg. for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS · CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
F.A.I. ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 7

DESIGNED	DRAWN	CHECKED	CHECKED	APPROVED	DATE	REVISED
[illegible]	I.H.	I.H.	[illegible]			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	28

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

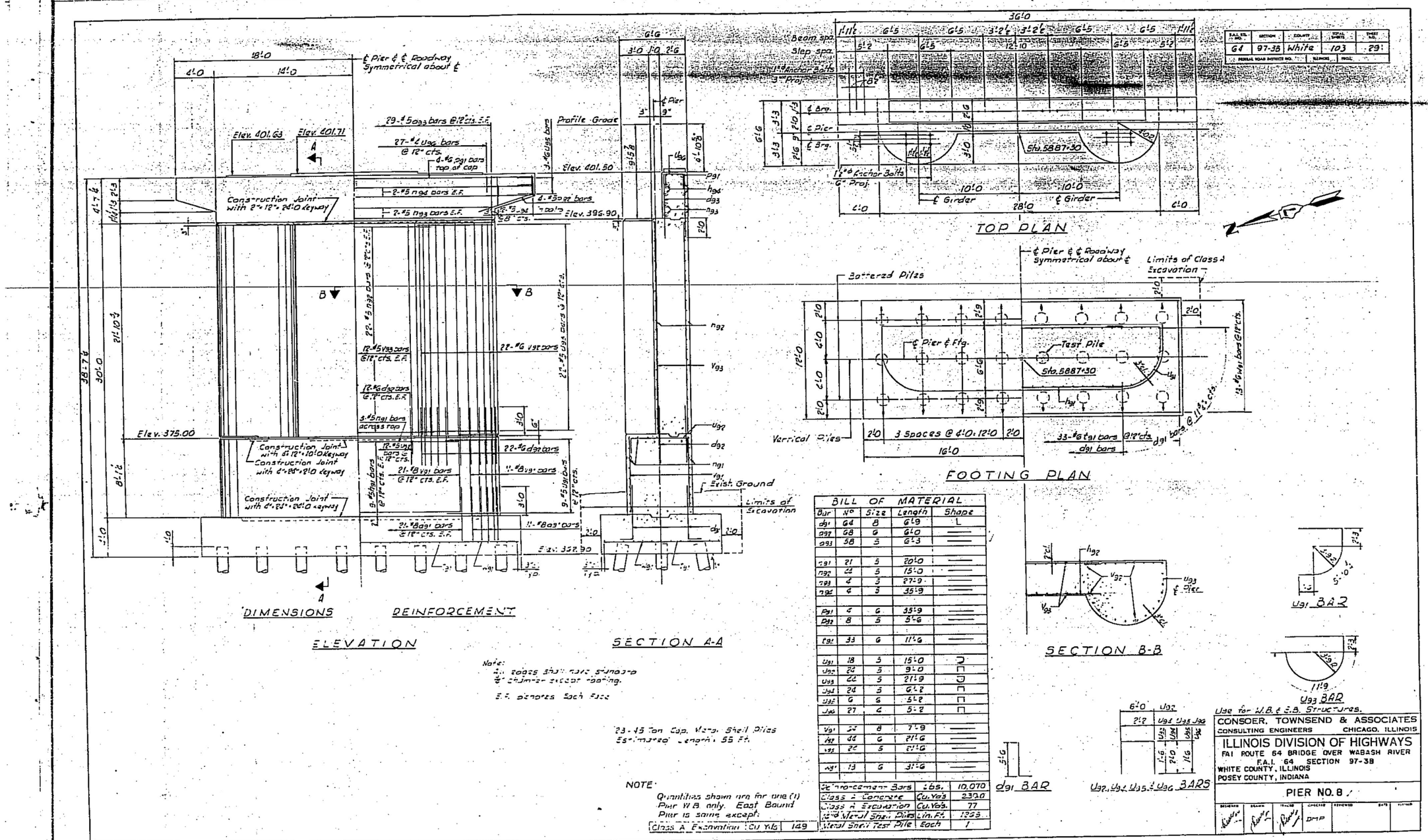
		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-17 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	433
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-EXIS117.dgn



F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	29
FEDERAL ROAD DISTRICT NO.		ILLINOIS	FED.	

BILL OF MATERIAL

Bar	No	Size	Length	Shape
dg1	64	8	6'-9	L
ng2	68	6	6'-0	—
ng3	58	5	6'-3	—
vg1	21	5	20'-0	—
ng2	22	5	15'-0	—
vg3	4	5	27'-9	—
ng2	6	5	35'-9	—
Pg1	4	6	35'-9	—
Dg2	8	5	5'-6	—
tg1	33	6	11'-6	—
Ug1	18	5	15'-0	⊃
Ug2	22	5	9'-0	⊃
Ug3	22	5	21'-9	⊃
Ug4	24	5	6'-2	⊏
Ug5	6	5	5'-2	⊏
Ug6	27	4	5'-2	⊏
Vg1	24	8	7'-9	—
Hg1	44	6	21'-6	—
Hg3	22	5	21'-6	—
Ng1	13	6	31'-6	—
Reinforcement Bars		Lbs.	10,070	
Class C Concrete		Cu. Yds	230.0	
Class A Excavation		Cu. Yds.	77	
12"ø Metal Shell Piles		Lin. Ft.	1353	
Metal Shell Test Pile		Each	1	

23-45 Ton Cap. Metal Shell Piles
Estimated Length: 55 Ft.

NOTE:
Quantities shown are for one (1) Pier W.B. only. East Bound Pier is same except:

Class A Excavation	Cu. Yds	149

Note:
All concrete shall have chamfered corners except footing.
E.F. denotes each face.

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-18 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	434
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADD\Sheets\Bridge\7600-S0080-EXS118.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	30
FEDERAL AID DISTRICT NO.		ILLINOIS	PROJ.	

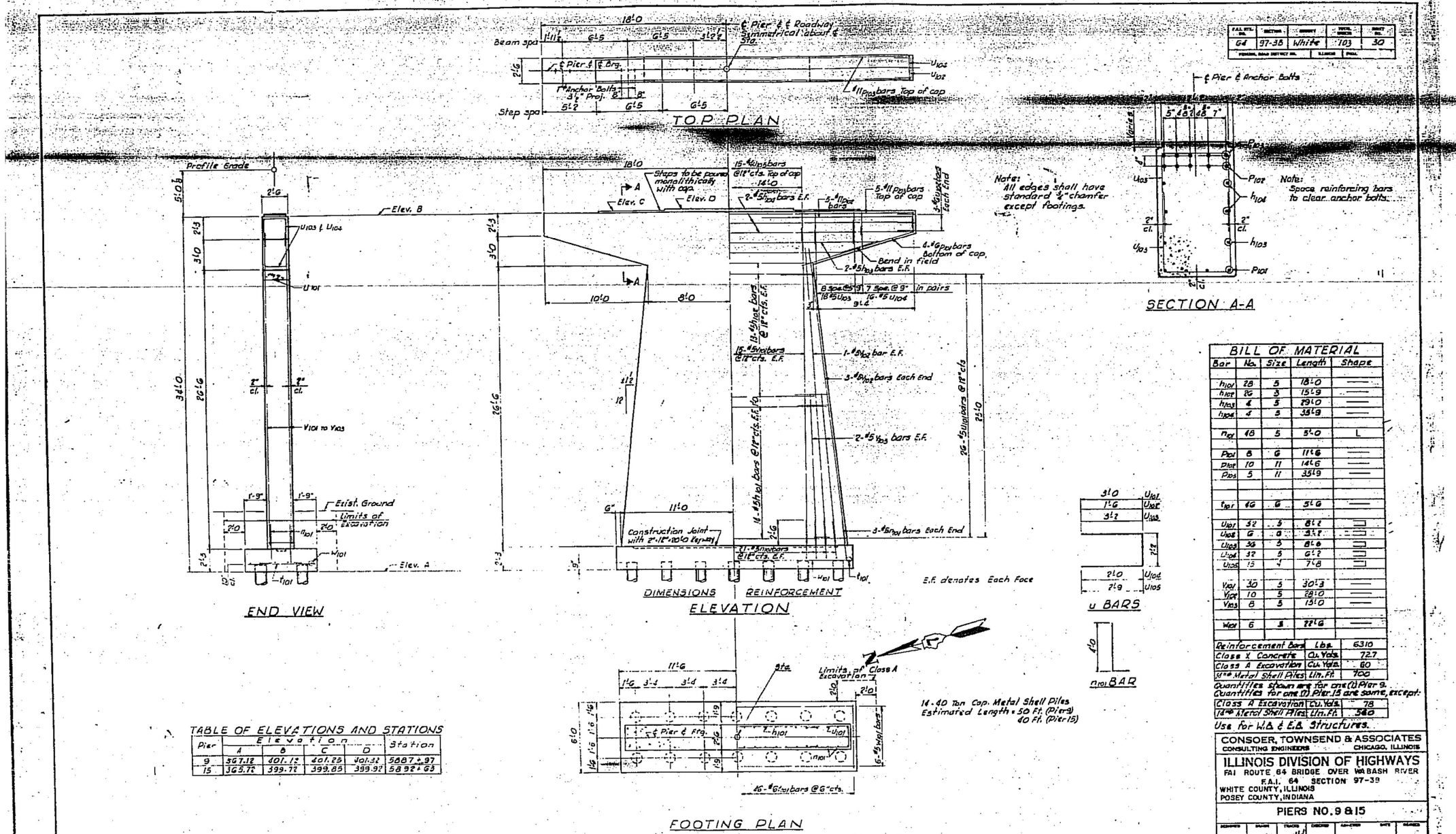


TABLE OF ELEVATIONS AND STATIONS

Pier	Elevation A	Elevation B	Elevation C	Elevation D	Station
9	367.12	401.12	401.23	401.32	5887+97
15	365.72	399.72	399.83	399.92	5892+63

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h101	28	5	18'-0	
h102	26	3	15'-9	
h103	6	5	29'-0	
h104	4	3	35'-9	
n101	18	5	5'-0	L
P101	8	6	11'-6	
P102	10	11	14'-6	
P103	5	11	35'-9	
t101	66	6	5'-6	
U101	32	5	8'-2	
U102	6	8	3'-2	
U103	36	5	8'-6	
U104	32	5	6'-2	
U105	15	4	7'-8	
V101	30	5	30'-3	
V102	10	5	28'-0	
V103	8	5	15'-0	
W101	6	5	22'-6	

Reinforcement Bars	Lbs.	6310
Class X Concrete	Cu. Yds.	72.7
Class A Excavation	Cu. Yds.	60
14" ø Metal Shell Piles	Lin. Ft.	700

Quantities shown are for one (1) Pier 9.
Quantities for one (1) Pier 15 are same, except:

Class A Excavation	Cu. Yds.	78
14" ø Metal Shell Piles	Lin. Ft.	580

Use for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIERS NO. 9 & 15

DESIGNED	DRAWN	TRACED	CHECKED	SUB-CHIEF	DATE	REVISED
DMP			DMP			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-19 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	435
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CAD\Sheets\Bridge\7660-S0080-EXST19.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-38	White	103	31
PROJECT NO.		ILLINOIS	PROJ.	

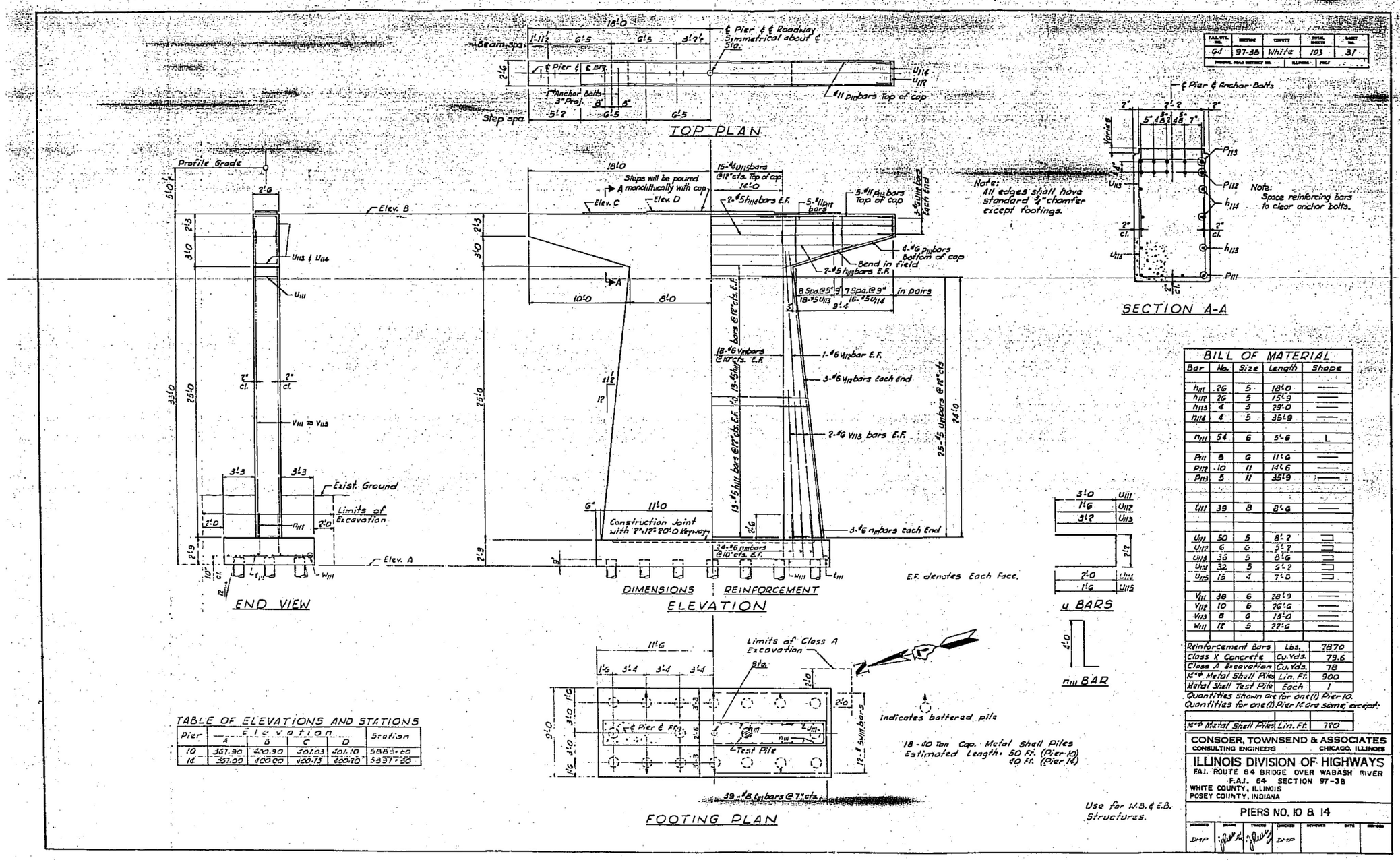


TABLE OF ELEVATIONS AND STATIONS

Pier	Elevation A	B	C	D	Station
10	357.90	210.90	201.03	201.10	5883+60
14	357.00	100.00	200.75	200.20	5837+20

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h111	26	5	18'-0	—
h112	26	5	15'-9	—
h113	4	5	29'-0	—
h114	4	5	35'-9	—
n111	54	6	5'-6	L
P111	8	6	11'-6	—
P112	10	11	14'-6	—
P113	5	11	35'-9	—
t111	39	8	8'-6	—
U111	50	5	8'-2	⊐
U112	6	6	5'-2	⊐
U113	36	5	8'-6	⊐
U114	32	5	5'-2	⊐
U115	15	5	7'-0	⊐
V111	38	6	28'-9	—
V112	10	6	26'-6	—
V113	8	6	15'-0	—
W111	12	5	22'-6	—
Reinforcement Bars			Lbs.	7870
Class X Concrete			Cu. Yds.	79.6
Class A Excavation			Cu. Yds.	78
14"φ Metal Shell Piles			Lin. Ft.	900
Metal Shell Test Pile			Each	1

Quantities shown are for one (1) Pier 10.
Quantities for one (1) Pier 14 are same, except:

14"φ Metal Shell Piles	Lin. Ft.	720

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
F.A.I. ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-38
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIERS NO. 10 & 14

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DHP			DHP			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

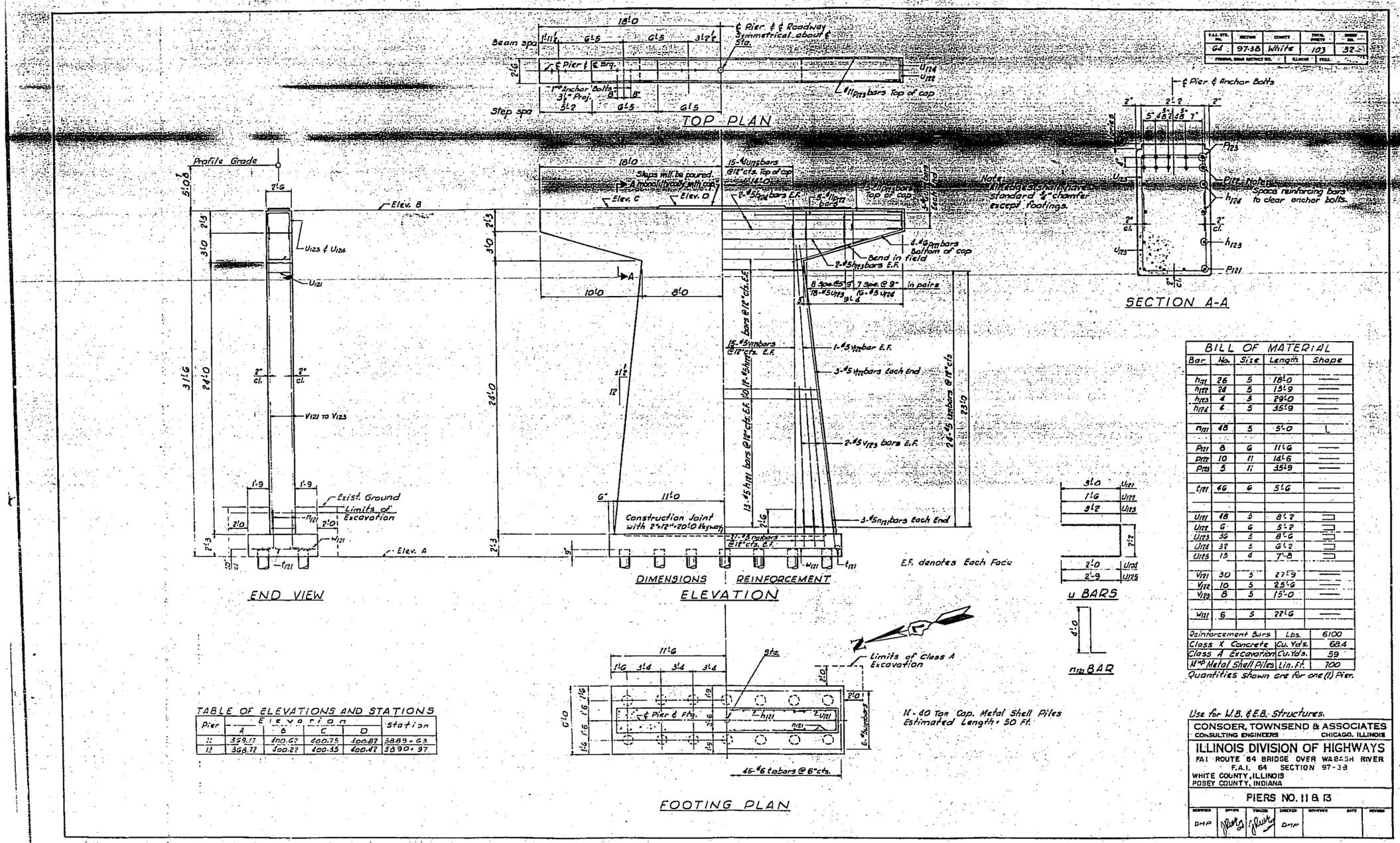
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-20 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	436
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600CADD\Sheets\Bridge\7660-S0080-EXS120.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	32
PROPOSED SIGN SUPPORT NO.		BLANCHE	FULL	



Pier	Elevation A	B	C	D	Station
11	359.12	400.63	400.75	400.82	3889+63
13	368.72	400.23	400.35	400.42	3890+97

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h121	26	5	18'-0	
h122	24	5	15'-9	
h123	4	5	29'-0	
h124	6	5	35'-9	
h125	48	5	5'-0	L
P121	8	6	11'-6	
P122	10	11	14'-6	
P123	5	11	35'-9	
t121	46	6	5'-6	
U121	48	5	8'-2	
U122	6	6	5'-2	
U123	36	5	8'-6	
U124	32	5	6'-2	
U125	15	6	7'-8	
V121	30	5	27'-9	
V122	10	5	25'-6	
V123	8	5	15'-0	
W121	6	5	22'-6	
Reinforcement Bars			Lbs.	6100
Class X Concrete			Cu. Yds.	68.4
Class A Excavation			Cu. Yds.	59
14" Metal Shell Piles			Lin. Ft.	700

Quantities shown are for one (1) Pier.

Use for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIERS NO. 11 & 13

REVISED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
DMP			DMP			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

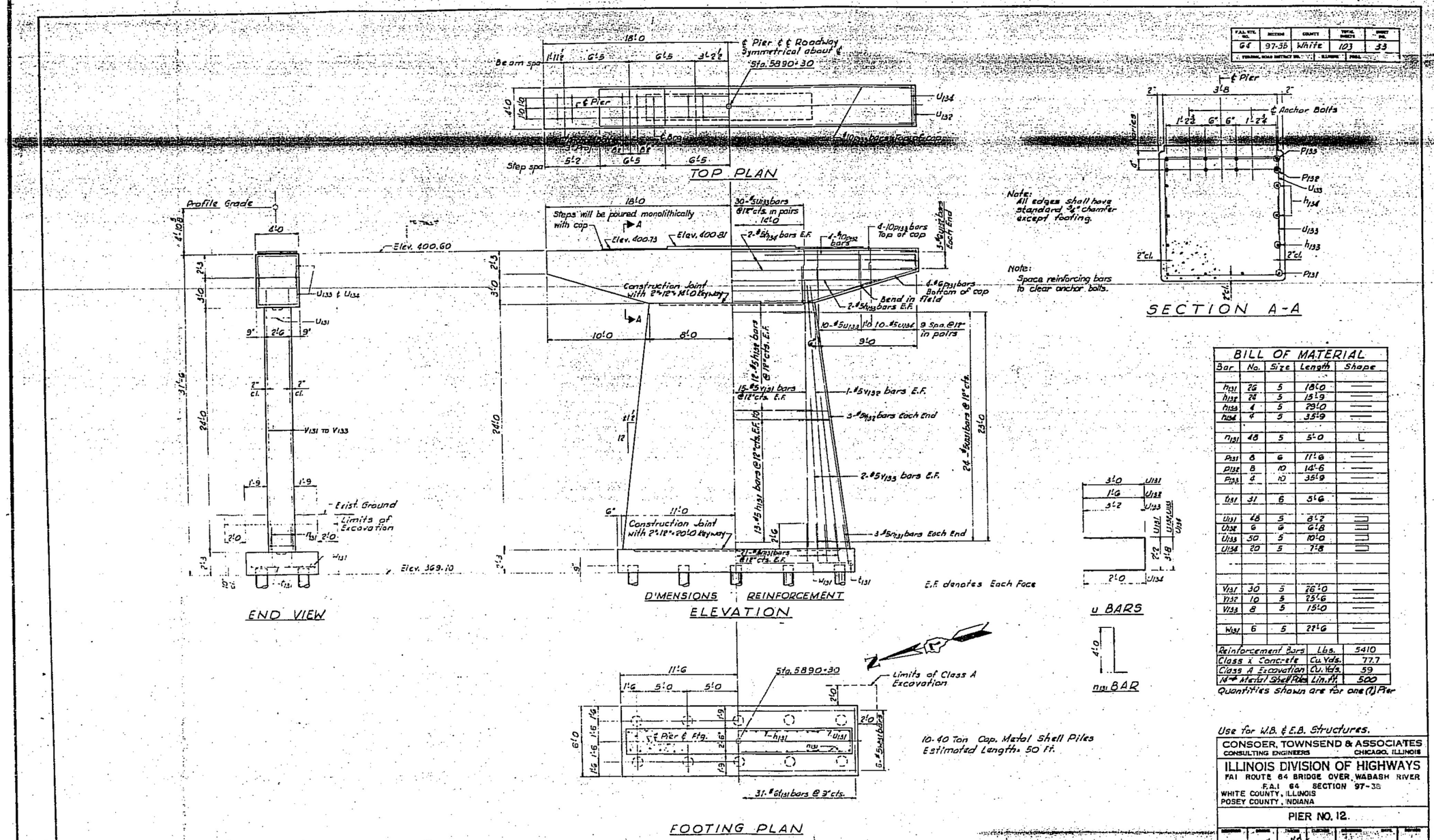
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-21 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	437
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7660\CADs\Sheets\Bridge\7660-S0080-XS721.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	33
FEDERAL ROAD DISTRICT NO.	ILLINOIS	PROJ.		



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h131	26	5	18'0	—
h132	24	5	15'9	—
h133	4	5	29'0	—
h134	4	5	35'9	—
n131	48	5	5'0	L
p131	8	6	11'6	—
p132	8	10	14'6	—
p133	4	10	35'9	—
u131	31	6	3'6	—
u132	28	5	8'2	⊐
u133	6	6	6'8	⊐
u134	50	5	10'0	⊐
u135	20	5	7'8	⊐
v131	30	5	26'0	—
v132	10	5	25'6	—
v133	8	5	15'0	—
w131	6	5	22'6	—

Reinforcement Bars	Lbs.	5410
Class X Concrete	Cu. Yds.	77.7
Class A Excavation	Cu. Yds.	59
14" Metal Shell Piles	Lin. Ft.	500

Quantities shown are for one (1) Pier

Use for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 12.

Designed	Checked	Drawn	Checked		
DMP			DMP		

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

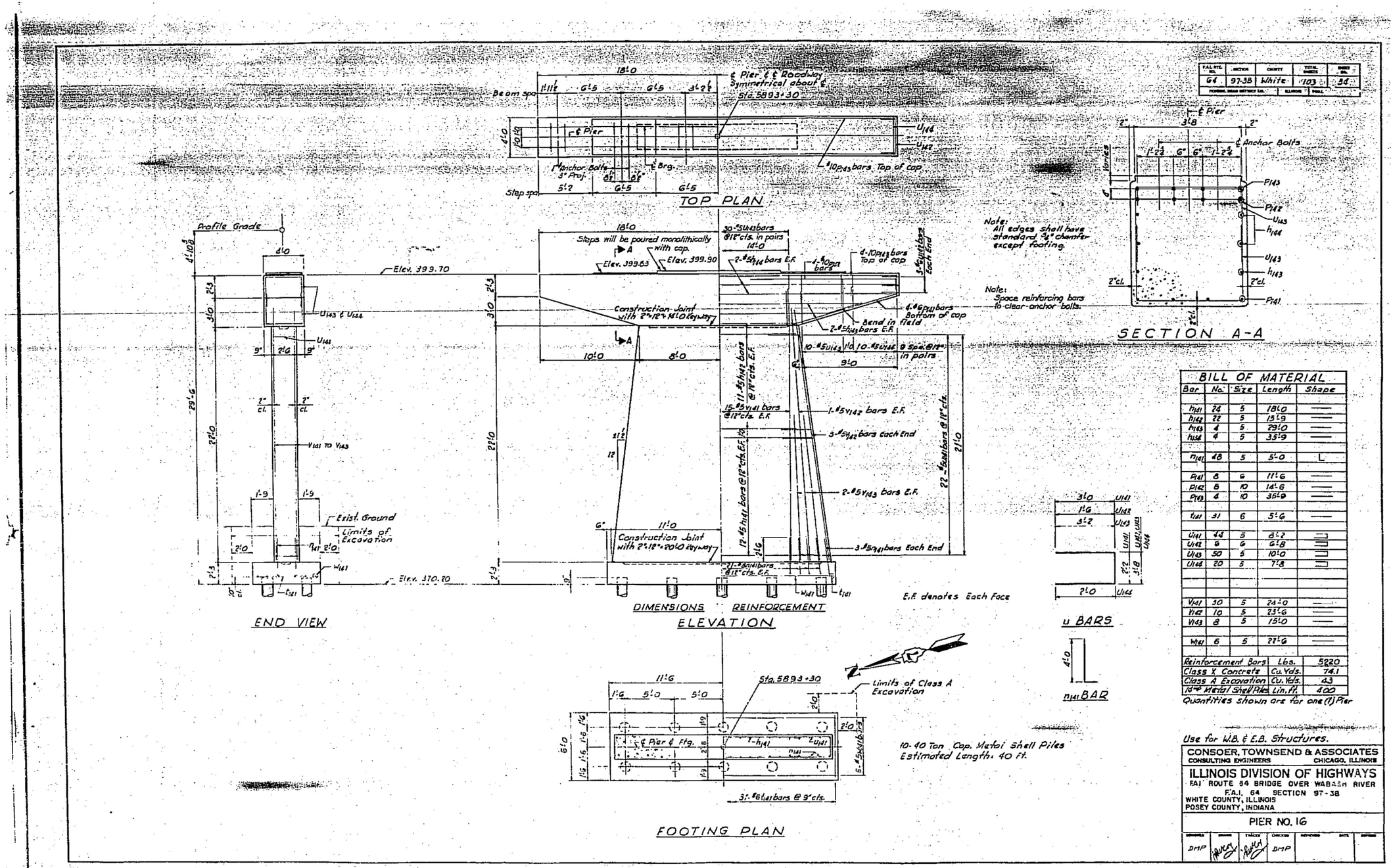
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-22 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	438
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\C-Cads\Sheets\Bridges\7600-S0000-XNS122.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	34
PROJECT NO.		ILLINOIS	FED. AID	



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h141	24	5	18'-0	—
h142	22	5	15'-9	—
h143	4	5	29'-0	—
h144	4	5	35'-9	—
n141	48	5	5'-0	L
P141	8	6	11'-6	—
P142	8	10	14'-6	—
P143	4	10	35'-9	—
t141	31	6	5'-6	—
U141	44	5	8'-2	U
U142	6	6	6'-8	U
U143	30	5	10'-0	U
U144	20	5	7'-8	U
V141	30	5	24'-0	—
V142	10	5	23'-6	—
V143	8	5	15'-0	—
W141	6	5	22'-6	—
Reinforcement Bars		Lbs.	5920	
Class X Concrete		Cu. Yds.	74.1	
Class A Excavation		Cu. Yds.	43	
10" Metal Shell Piles		Lin. Ft.	400	

Quantities shown are for one (1) Pier

Use for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 16

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DMP			DMP			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-23 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	439
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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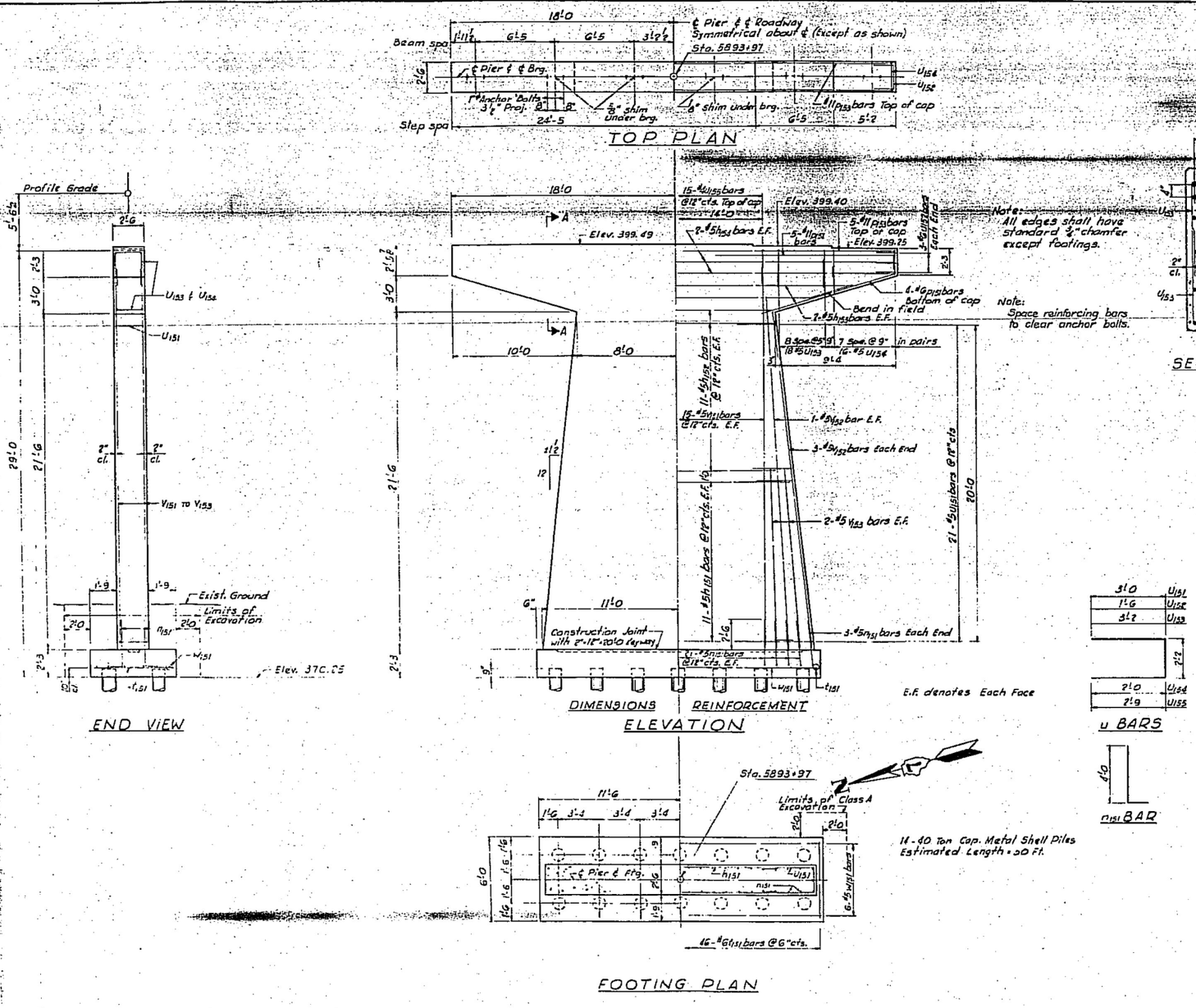
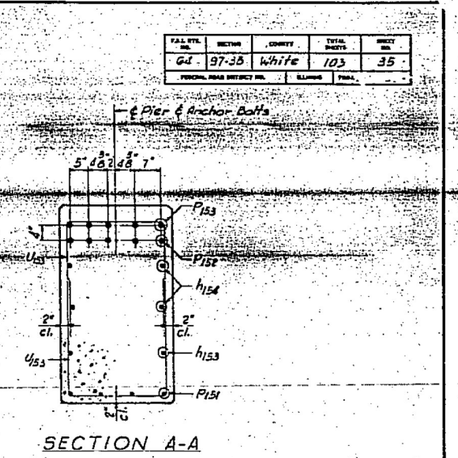




SECTION A-A

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
h151	22	5	18'-0	
h152	22	5	15'-9	
h153	4	5	29'-0	
h154	4	5	33'-9	
n151	48	5	5'-0	L
P151	8	6	11'-6	
P152	10	11	14'-6	
P153	5	11	35'-9	
t151	66	6	5'-6	
U151	42	5	8'-2	
U152	6	6	5'-2	
U153	36	5	8'-8	
U154	32	5	6'-2	
U155	15	4	7'-8	
V151	30	5	25'-3	
V152	10	5	23'-0	
V153	8	5	12'-0	
W151	6	5	22'-6	
Reinforcement Bars		Lbs.	5810	
Class X Concrete		Cu. Yds.	63.8	
Class A Excavation		Cu. Yds.	57	
14" ø Metal Shell Piles		Lin. Ft.	700	

Quantities shown are for one (1) Pier

Use for W.B. & E.B. Structures.

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIER NO. 17

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DMP			DMP			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-24 OF 51 SHEETS

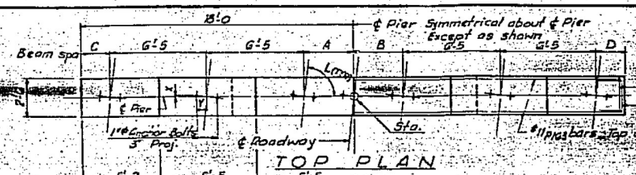
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	440
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CAD\Sheets\Bridge\7660-S0080-EXIST24.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	36
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	

DIMENSIONS

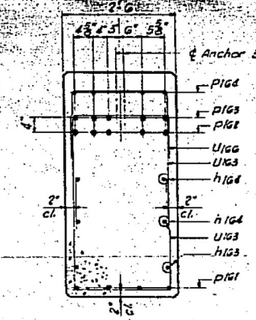
Pier	A	B	C	D	X	Y	Z
18 W.B.	3'-1 1/2"	3'-3 1/2"	2'-0 1/2"	1'-10 1/2"	1/16"	8"	89°-46'-05"
18 E.B.	3'-1 5/16"	3'-3 11/16"	2'-0 11/16"	1'-10 5/16"	1/16"	8"	89°-42'-51"
22 W.B.	3'-1 15/16"	3'-3 5/16"	2'-0 1/16"	1'-10 15/16"	7/16"	8"	86°-46'-17"
22 E.B.	3'-2 1/8"	3'-2 7/8"	1'-11 7/8"	1'-11 1/8"	7/16"	8"	86°-42'-50"
26 W.B.	3'-0 3/4"	3'-4 1/4"	2'-1 1/4"	1'-9 3/4"	7/8"	7 15/16"	83°-46'-17"
26 E.B.	3'-3 5/16"	3'-1 11/16"	1'-10 11/16"	2'-0 5/16"	7/8"	7 13/16"	83°-42'-51"



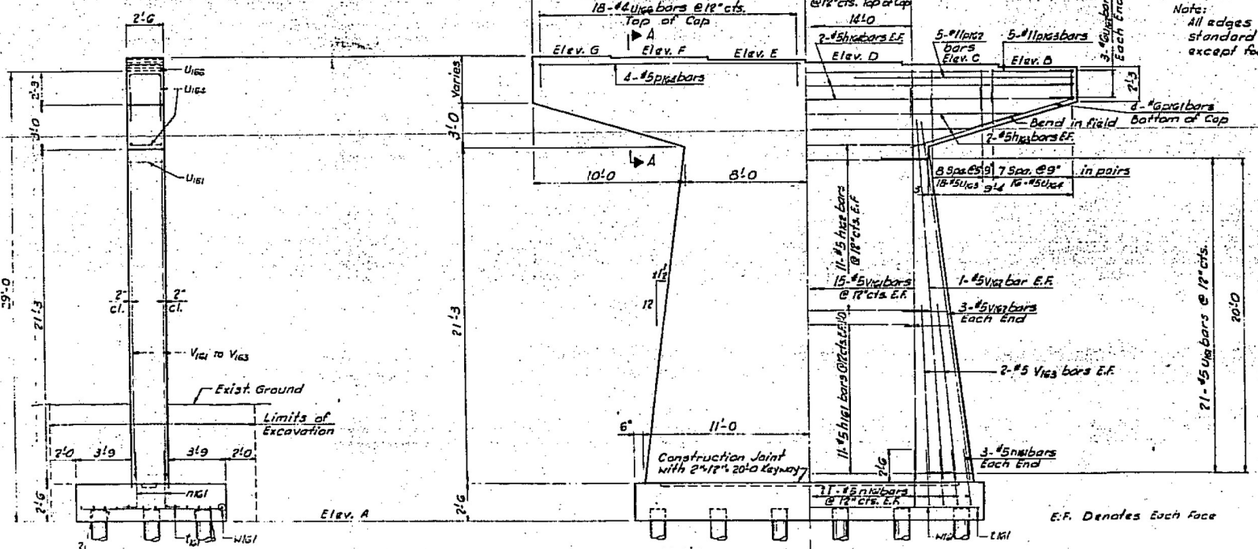
TOP PLAN

Note:
Space reinforcing bars to clear anchor bolts.

Note:
All edges shall have standard 3/4" chamfer except footing.



SECTION A-A



END VIEW

DIMENSIONS REINFORCEMENT ELEVATION

E.F. Denotes Each Face

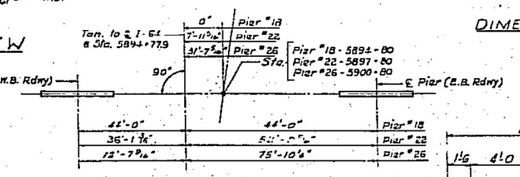
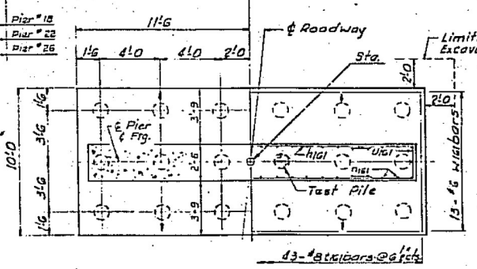


TABLE OF ELEVATIONS AND STATIONS

Pier	Elevation A	B	C	D	E	F	G	Station
18 W.B.	399.93	398.93	399.10	399.25	399.37	399.46	399.54	5894+80.00
18 E.B.	399.93	398.93	399.10	399.25	399.37	399.46	399.54	5894+80.00
22 W.B.	398.96	397.96	398.14	398.32	398.50	398.68	398.86	5897+77.68
22 E.B.	398.95	397.95	398.13	398.31	398.49	398.67	398.85	5897+82.32
26 W.B.	398.07	397.07	397.25	397.43	397.61	397.79	397.97	5900+75.39
26 E.B.	398.05	397.05	397.23	397.41	397.59	397.77	397.95	5900+84.61



FOOTING PLAN

indicates battered pile

17-40 Ton Cap. Metal Shell Piles
Estimated Length = 40 ft.

Note:
Quantities shown are for one (1) Pier 18
Quantities for Piers 22 & 26 are the same, except:

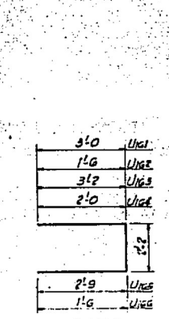
Pier 22

Class A Excavation	Cu. Yds.	98

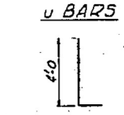
Pier 26

Class A Excavation	Cu. Yds.	126

Use for W.B. & E.B. Structures.



U BARS



n161 BAR

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h161	22	5	18'-0	
h162	22	5	15'-9	
h163	4	5	29'-0	
h164	4	5	35'-9	
n161	48	5	5'-0	L
p161	8	6	11'-6	
P162	10	11	13'-9	
P163	5	11	35'-9	
P164	4	5	17'-9	
t161	43	8	9'-6	
U161	22	5	8'-2	U
U162	6	6	5'-2	U
U163	36	5	8'-6	U
U164	32	5	6'-6	U
U165	15	6	7'-8	U
U166	18	6	5'-8	U
V161	30	5	23'-3	
V162	10	5	22'-0	
V163	8	5	12'-0	
W161	13	6	22'-6	
Reinforcement Bars			Lbs.	6910
Class X Concrete			Cu. Yds.	74.0
Class A Excavation			Cu. Yds.	13
14" ø Metal Shell Piles			Lin. Ft.	680
Metal Shell Test Pile			Each	1

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIERS NO. 18, 22 & 26

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DMP			DMP			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-25 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	441
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-EXS123.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	37
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	

DIMENSIONS

Pier	A	B	C	D	x	Y	Z
19 W.B.	3'-1 11/16"	3'-3 5/16"	2'-0 5/16"	1'-10 11/16"	3/16"	8"	88°-37'-08"
19 E.B.	3'-0 7/8"	3'-4 1/8"	2'-1 1/8"	1'-9 7/8"	3/16"	8"	88°-37'-08"
21 W.B.	3'-2 1/2"	3'-2 1/2"	1'-11 1/2"	1'-11 1/2"	5/16"	8"	87°-34'-53"
21 E.B.	3'-2 9/16"	3'-2 9/16"	1'-11 11/16"	1'-11 5/16"	5/16"	8"	87°-34'-53"
23 W.B.	3'-1 9/16"	3'-3 7/16"	2'-0 7/16"	1'-10 9/16"	9/16"	8"	85°-58'-19"
23 E.B.	3'-1 3/4"	3'-3 1/4"	2'-0 1/4"	1'-10 3/4"	9/16"	8"	85°-55'-03"
25 W.B.	3'-1 1/4"	3'-3 3/4"	2'-0 3/4"	1'-10 1/4"	3/4"	7 15/16"	84°-34'-53"
25 E.B.	3'-3 1/16"	3'-1 15/16"	1'-10 15/16"	2'-0 1/16"	3/4"	7 13/16"	84°-34'-53"
27 W.B.	3'-0	3'-5	2'-2	1'-9	1"	7 13/16"	82°-58'-18"
27 E.B.	3'-0 1/8"	3'-1 7/8"	1'-10 7/8"	2'-0 1/8"	1"	7 13/16"	82°-51'-49"

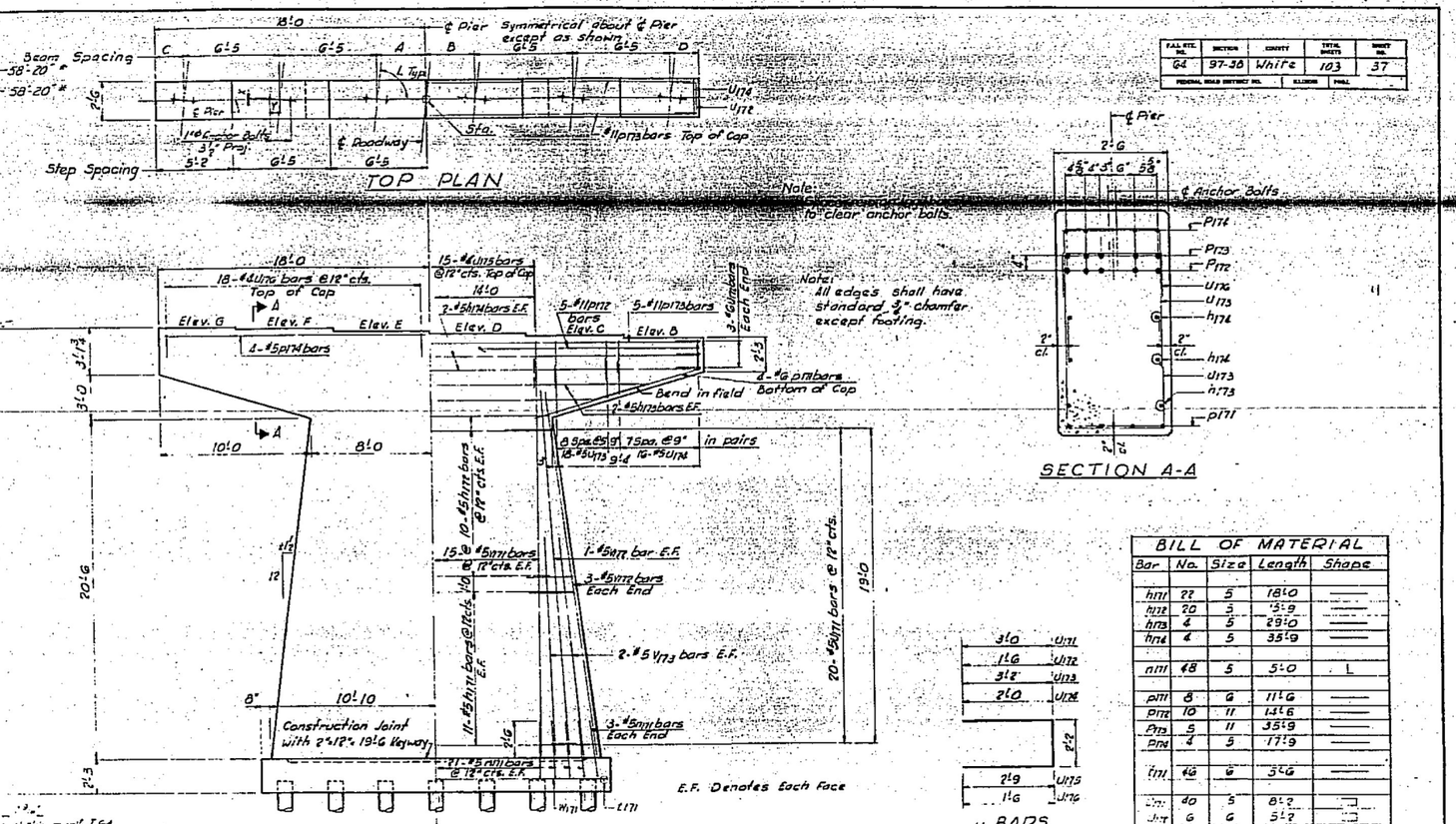


TABLE OF ELEVATIONS AND STATIONS

Pier	Elevation A	B	C	D	E	F	G	Station
19 W.B.	370.28	398.56	398.76	398.94	399.12	399.30	399.48	5895+62.35
19 E.B.	370.57	398.57	398.75	398.93	399.11	399.29	399.47	5895+63.68
21 W.B.	370.18	398.18	398.36	398.54	398.72	398.90	399.08	5896+93.33
21 E.B.	370.17	398.17	398.35	398.53	398.71	398.89	399.07	5896+98.70
23 W.B.	369.98	397.68	397.86	398.04	398.22	398.40	398.58	5898+90.06
23 E.B.	369.67	397.67	397.85	398.03	398.21	398.39	398.57	5898+95.98
25 W.B.	369.19	397.29	397.47	397.65	397.83	398.01	398.19	5899+93.03
25 E.B.	369.27	397.27	397.45	397.63	397.81	397.99	398.17	5900+01.03
27 W.B.	368.79	396.79	396.97	397.15	397.33	397.51	397.69	5901+57.75
27 E.B.	368.76	396.76	396.94	397.12	397.30	397.48	397.66	5901+28.33

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h171	22	5	18'-0	
h172	20	5	15'-9	
h173	4	5	29'-0	
h174	4	5	35'-9	
n171	48	5	5'-0	L
p171	8	6	11'-6	
p172	10	11	13'-6	
p173	5	11	35'-9	
p174	4	5	77'-9	
u171	46	6	5'-6	
u172	40	5	8'-2	
u173	6	6	5'-2	
u174	36	5	8'-6	
u175	32	5	6'-2	
u176	18	6	5'-2	
v171	30	5	24'-3	
v172	10	5	22'-0	
v173	8	5	12'-0	
w171	6	5	28'-6	

Reinforcement Bars	Lbs.	5860
Class X Concrete	Cu. Yds.	63.1
Class A Excavation	Cu. Yds.	56
14" ø Metal Shell Piles	Lin. Ft.	560

Use for W.B. & E.B. Structures

Pier 21	Class A Excavation	Cu. Yds.	58
Pier 23	Class A Excavation	Cu. Yds.	63
	14" ø Metal Shell Piles	Lin. Ft.	700
Pier 25	Class A Excavation	Cu. Yds.	77
Pier 27	Class A Excavation	Cu. Yds.	92

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS — CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIERS NO. 19, 21, 23, 25 & 27

DESIGNED DMP — CHECKED DMP

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

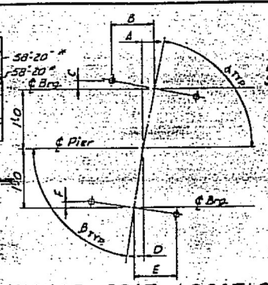
EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-26 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	442
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

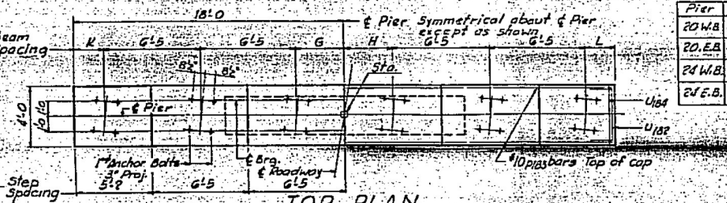
PLOT DATE = 8/9/2023
FILE NAME: L:\7608\CADs\Sheets\Bridge\7608-S0080-EXISTS26.dgn

DIMENSIONS

Pier	A	B	C	D	E	F	α	β
20 W.B.	5/8"	8 1/2"	1/4"	1/4"	8 1/2"	3/16"	88°13'40"	88°27'08"
20 E.B.	5/8"	8 1/2"	1/4"	1/4"	8 1/2"	3/16"	88°13'40"	88°27'08"
24 W.B.	1"	8 1/2"	11/16"	7/8"	8 1/2"	5/8"	85°13'40"	85°58'19"
24 E.B.	1"	8 1/2"	11/16"	7/8"	8 1/2"	5/8"	85°13'40"	85°55'03"



ANCHOR BOLT LOCATION



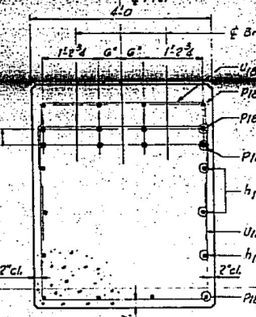
TOP PLAN

DIMENSIONS

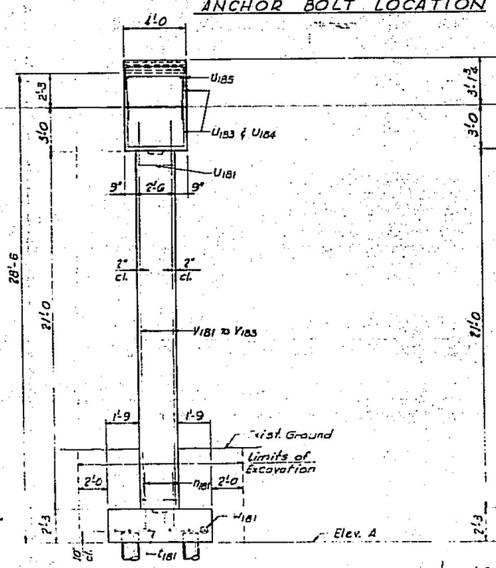
Pier	G	H	K	L
20 W.B.	3'-3 13/16"	3'-1 7/16"	1'-10 13/16"	2'-0 13/16"
20 E.B.	3'-3 13/16"	3'-1 13/16"	1'-10 13/16"	2'-0 13/16"
24 W.B.	3'-3 7/8"	3'-1 7/8"	1'-10 5/8"	2'-0 5/8"
24 E.B.	3'-3 11/16"	3'-1 5/16"	1'-10 5/8"	2'-0 11/16"

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B.	White	103	38
TERRITORIAL ROAD DISTRICT NO.		ILLINOIS	PARTIAL	

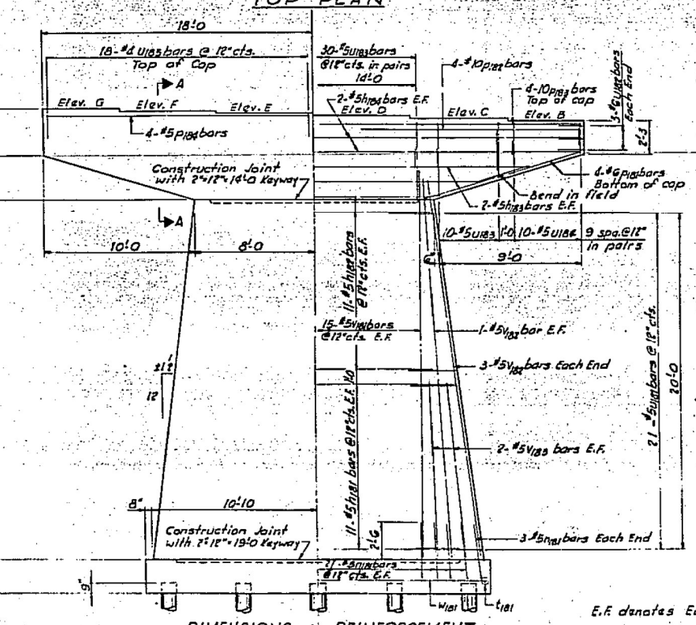
Note: Space reinforcing bars to clear anchor bolts.



SECTION A-A



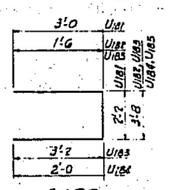
END VIEW



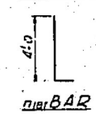
DIMENSIONS REINFORCEMENT

ELEVATION

E.F. denotes Each Face



u BARS



n181 BAR

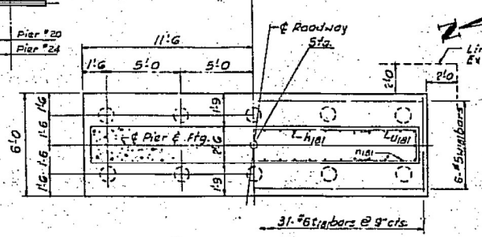
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h181	22	5	18'-0	
h183	22	5	13'-9	
h183	4	5	29'-0	
h184	4	5	35'-9	
n181	48	5	5'-0	L
P181	8	6	11'-6	
P182	8	10	14'-0	
P183	4	10	35'-9	
P184	4	5	17'-9	
t181	31	6	5'-6	
U181	42	5	8'-2	
U182	6	6	6'-8	
U183	50	5	10'-0	
U184	20	5	7'-8	
U185	18	4	6'-8	
V181	30	5	23'-0	
V182	10	5	22'-6	
V183	8	5	12'-0	
W181	6	5	22'-6	
Reinforcement Bars			Lbs.	5230
Class X Concrete			Cu. Yds.	73.7
Class A Excavation			Cu. Yds.	59
14" ø Metal Shell Piles			Lin. Ft.	400

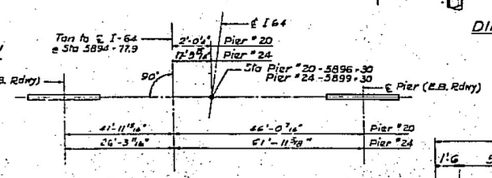
Quantities shown are for one (1) Pier 20
Quantities for one (1) Pier 24 are same, except:

Class A Excavation	Cu. Yds.	78

Use for W.B. & E.B. Structures



FOOTING PLAN



10-40 Ton Cap. Metal Shell Piles Estimated Length = 40 Ft.

TABLE OF ELEVATIONS AND STATIONS

Pier	Elevations A	B	C	D	E	F	G	Station
20 W.B.	370.07	398.97	398.75	398.93	399.11	399.29	399.47	5896+28.84
20 E.B.	370.06	398.56	398.74	398.92	399.10	399.28	399.46	5896+31.18
24 W.B.	369.18	397.68	397.86	398.04	398.22	398.40	398.58	5899+26.55
24 E.B.	369.16	397.66	397.84	398.02	398.20	398.38	398.56	5899+33.51

Use for W.B. & E.B. Structures

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

PIERS NO. 20 & 24

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DMP			DMP			

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-27 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	443
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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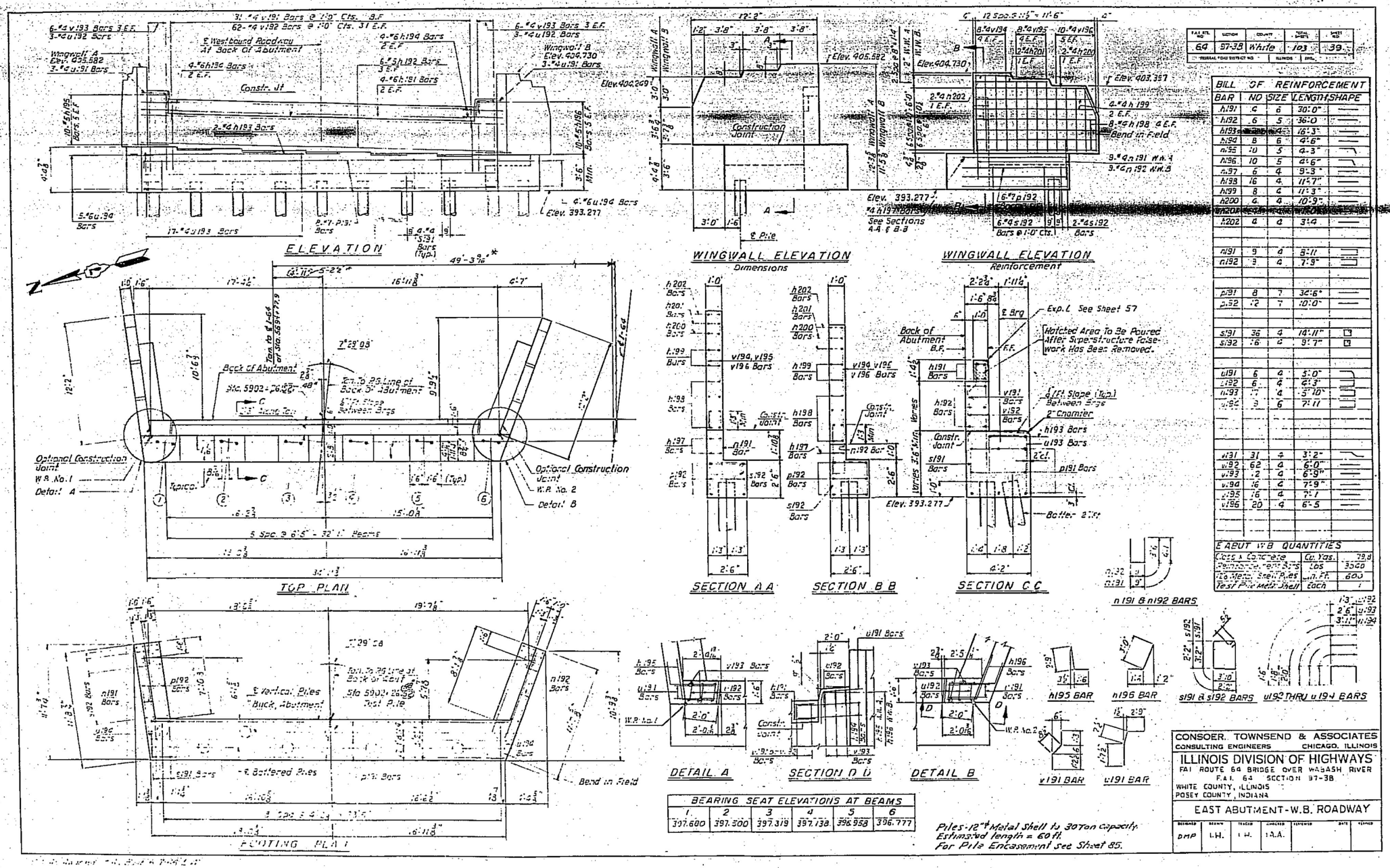


BEARING SEAT ELEVATIONS AT BEAMS					
1.	2	3	4	5	6
397.600	397.300	397.319	397.138	396.958	396.777

FAI RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	39
FEDERAL FUND DISTRICT NO.		ILLINOIS		

BILL OF REINFORCEMENT

BAR	NO	SIZE	LENGTH	SHAPE
h191	6	6	30'-0"	
h192	6	5	36'-0"	
h193	[illegible]	4	16'-3"	
h194	8	6	4'-6"	
h195	10	5	4'-3"	
h196	10	5	4'-6"	
h197	6	4	9'-3"	
h198	16	4	11'-7"	
h199	8	4	11'-3"	
h200	4	4	10'-9"	
h201	[illegible]	[illegible]	[illegible]	
h202	4	4	3'-4	
n191	9	4	8'-11	
n192	9	4	7'-9"	
p191	8	7	34'-6"	
p192	12	7	10'-0"	
s191	36	4	14'-11"	
s192	16	4	9'-7"	
u191	6	4	5'-0"	
u192	6	4	6'-3"	
u193	7	4	5'-10"	
u194	9	6	7'-11	
v191	31	4	3'-2"	
v192	62	4	6'-0"	
v193	12	4	6'-9"	
v194	16	4	7'-9"	
v195	16	4	7'-1	
v196	20	4	6'-5	

EABUT WB QUANTITIES

Class A Concrete	Cu. Yds.	79.8
Reinforcement Bars	Lbs	3520
12" Metal Shell Piles	L.F.	600
Test Pile Metal Shell	Each	1

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

EAST ABUTMENT-W.B. ROADWAY

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DMP	L.H.	L.H.	J.A.A.			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

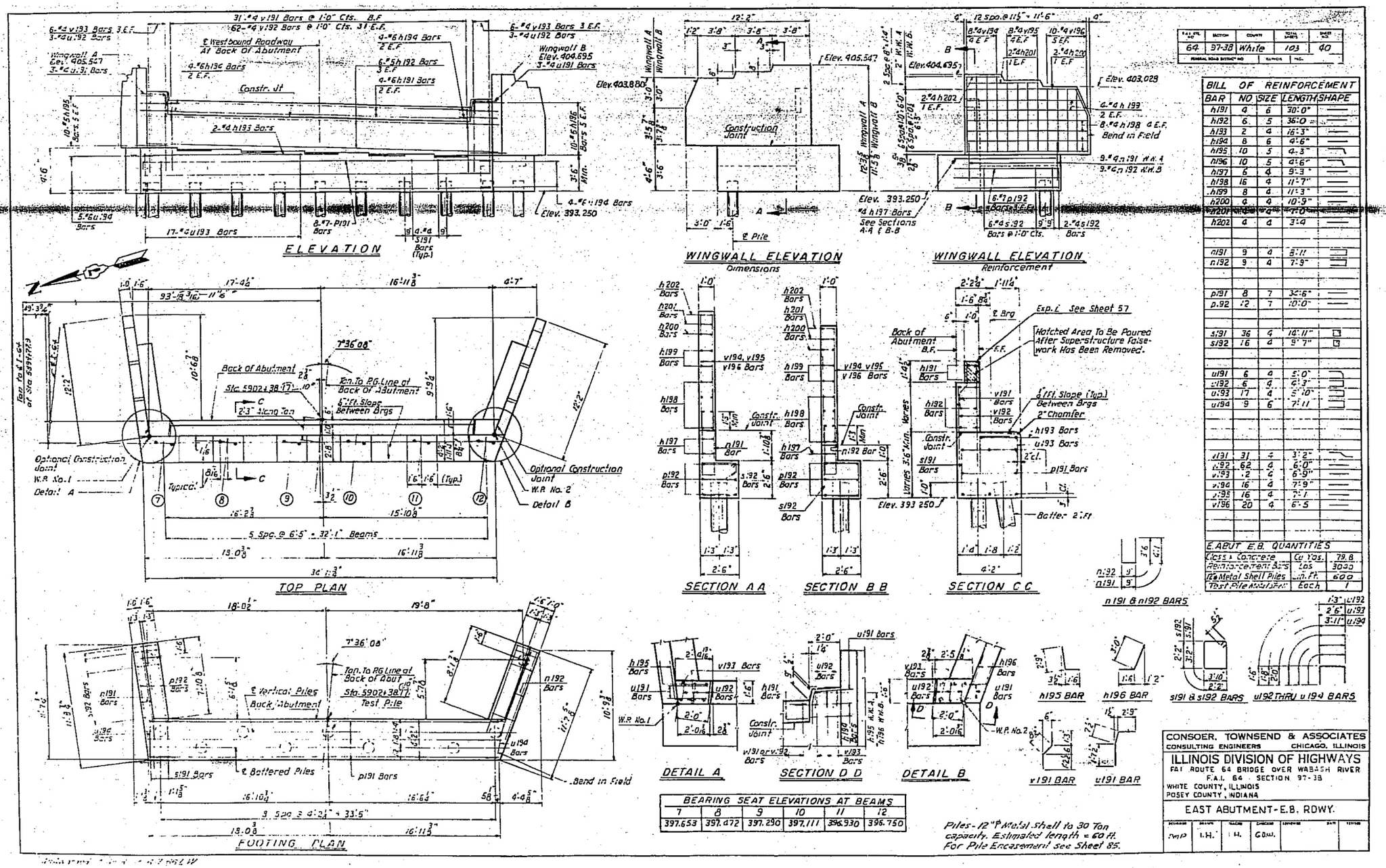
		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-28 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	444
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7608\CADD\Sheets\Bridge\7608-S0080-EXIS728.dgn



BILL OF REINFORCEMENT				
BAR	NO	SIZE	LENGTH	SHAPE
h191	4	6	30'-0"	
h192	6	5	36'-0"	
h193	2	4	16'-3"	
h194	8	6	4'-6"	
h195	10	5	4'-3"	
h196	10	5	4'-6"	
h197	6	4	9'-3"	
h198	16	4	11'-7"	
h199	8	4	11'-3"	
h200	4	4	10'-9"	
h201	4	4	7'-0"	
h202	4	4	3'-4"	
n191	9	4	8'-11"	
n192	9	4	7'-9"	
p191	8	7	32'-6"	
p192	12	7	10'-0"	
s191	36	4	10'-11"	
s192	16	4	9'-7"	
u191	6	4	5'-0"	
u192	6	4	4'-3"	
u193	17	4	5'-10"	
u194	9	6	7'-11"	
v191	31	4	3'-2"	
v192	62	4	6'-0"	
v193	12	4	6'-9"	
v194	16	4	7'-9"	
v195	16	4	7'-1"	
v196	20	4	6'-5"	

E. ABUT E.B. QUANTITIES		
Class X Concrete	Cu. Yds.	79.8
Reinforcement Bars	Lbs	3030
12" ϕ Metal Shell Piles	Lin. Ft.	600
Test Pile Installation	Each	1

BEARING SEAT ELEVATIONS AT BEAMS					
7	8	9	10	11	12
397.653	397.472	397.290	397.111	396.930	396.750

F.A.I. STE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	40
GENERAL ROAD DISTRICT NO.		ILLINOIS	FED.	

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

EAST ABUTMENT-E.B. RDWY.

DESIGNED	DRAWN	TRACED	CHECKED	SUBMITTED	DATE	REVISED
PMP	L.H.	L.H.	G.D.W.			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

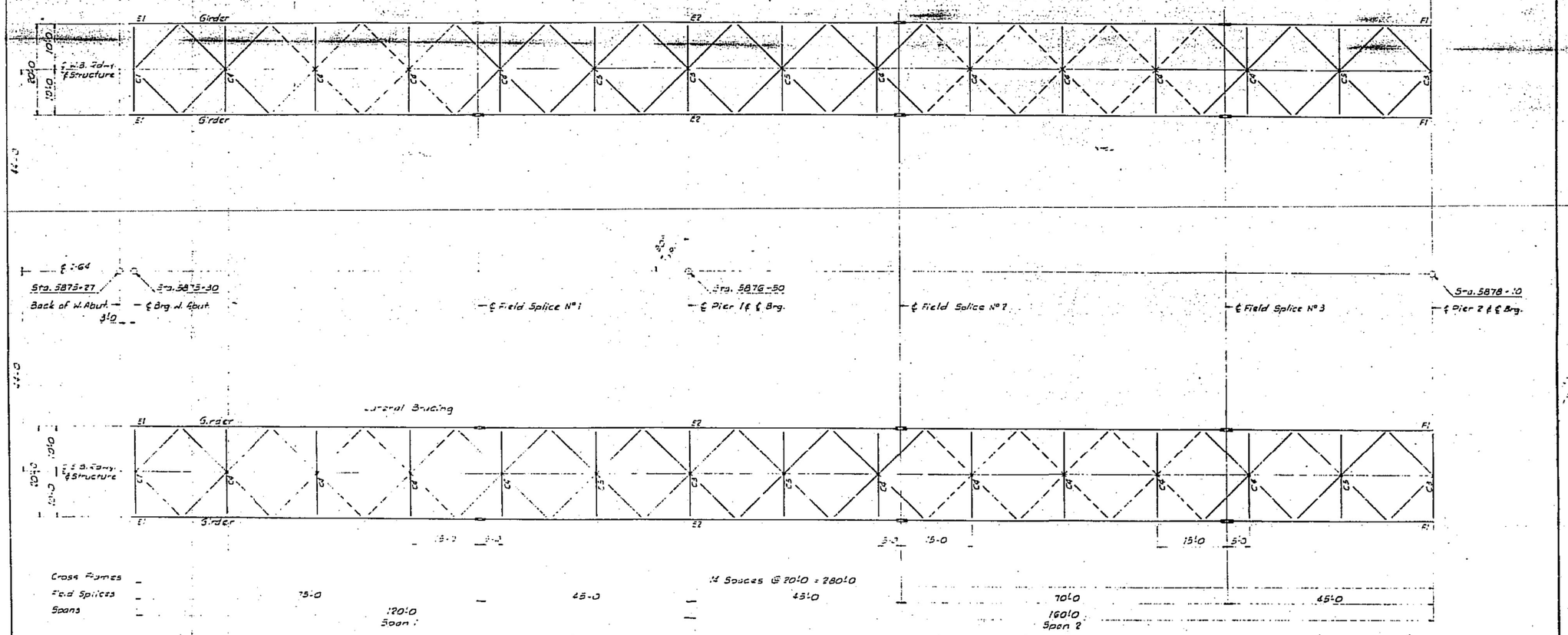
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-29 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	445
		CONTRACT NO. 78057		
PUBLIC WATERS		ILLINOIS	FED. AID PROJECT	

PLOT DATE = 8/9/2023
FILE NAME: L:\7660\CADs\Sheets\Bridge\7660-S0080-EXISTS29.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	47
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	



Note:
For Girders see Sht. 57
For Cross Frames see Shts. 58 & 59
For Lateral Bracing see Sht. 59
For Field Splices see Sht. 60
For Bearings see Shts. 02, 03 & 45

A-441 Steel: Girders _____ 1,433,436 Lbs.

A-36 Steel: Girds., Cross frames, Lat. Bracing, Etc. ____ 1,373,221
Bearings _____ 145,080
Expansion Devices ___ 62,030

Total Structural Steel = 3,174,000 Lbs.
(W.B. & E.B. Structures W. Abut. to Pier 8)

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
F.A.I. ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

STEEL FRAMING PLAN

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
HA			GDW			

FOR INFORMATION ONLY

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADs\Sheets\Bridge\7600-S0600-SX0130.dgn

KNIGHT
Engineers & Architects

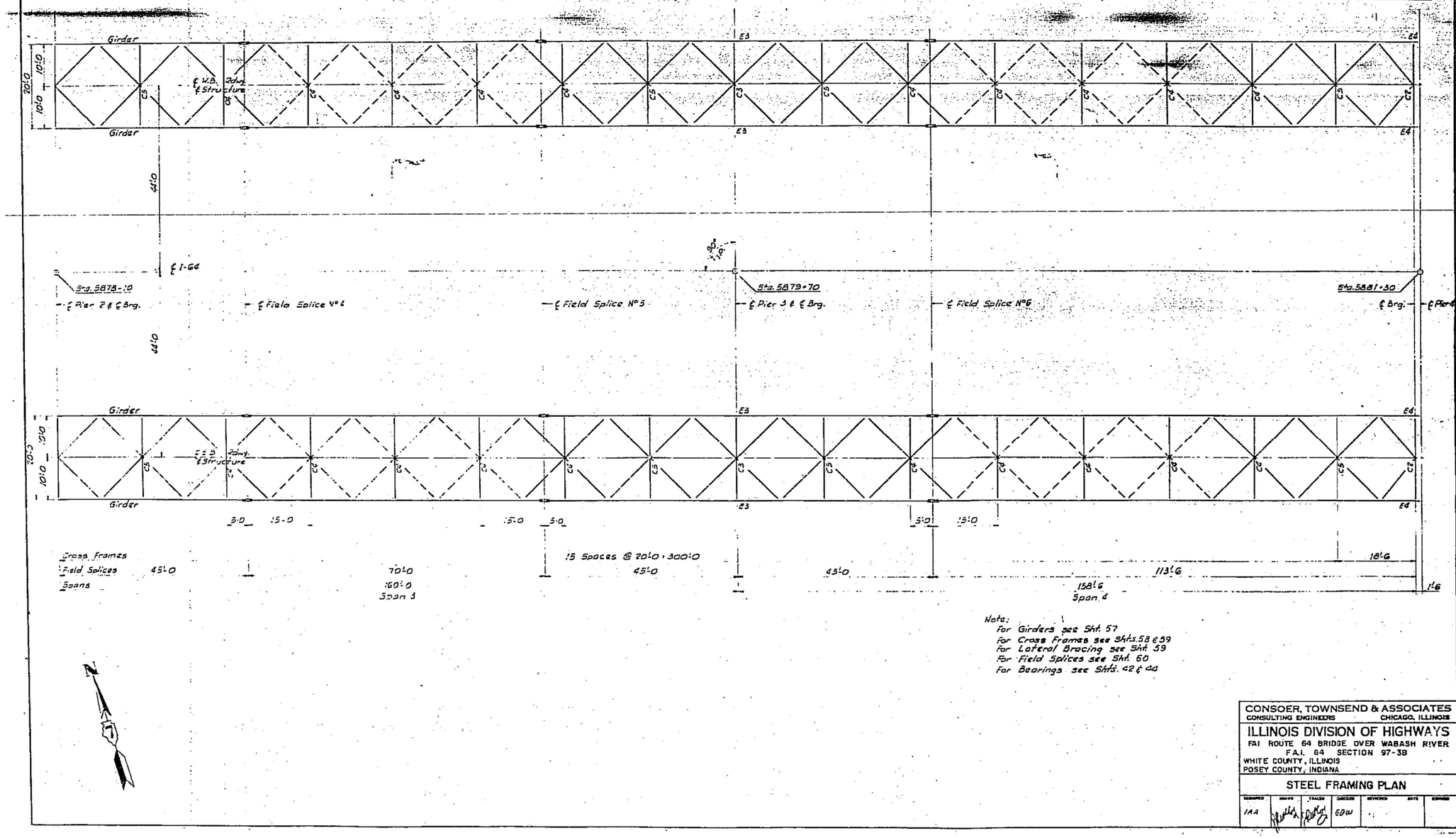
		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-30 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	446
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	48
PROPOSED HIGHWAY DISTRICT NO.		ILLINOIS	PROJ	



Note:
For Girders see Sht. 57
For Cross Frames see Shts. 58 & 59
For Lateral Bracing see Sht. 59
For Field Splices see Sht. 60
For Bearings see Shts. 42 & 44

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

STEEL FRAMING PLAN

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
IAA			GDW			

FOR INFORMATION ONLY

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADD\Sheets\Bridge\7660-S0080-EXIST31.dgn

KNIGHT
Engineers & Architects

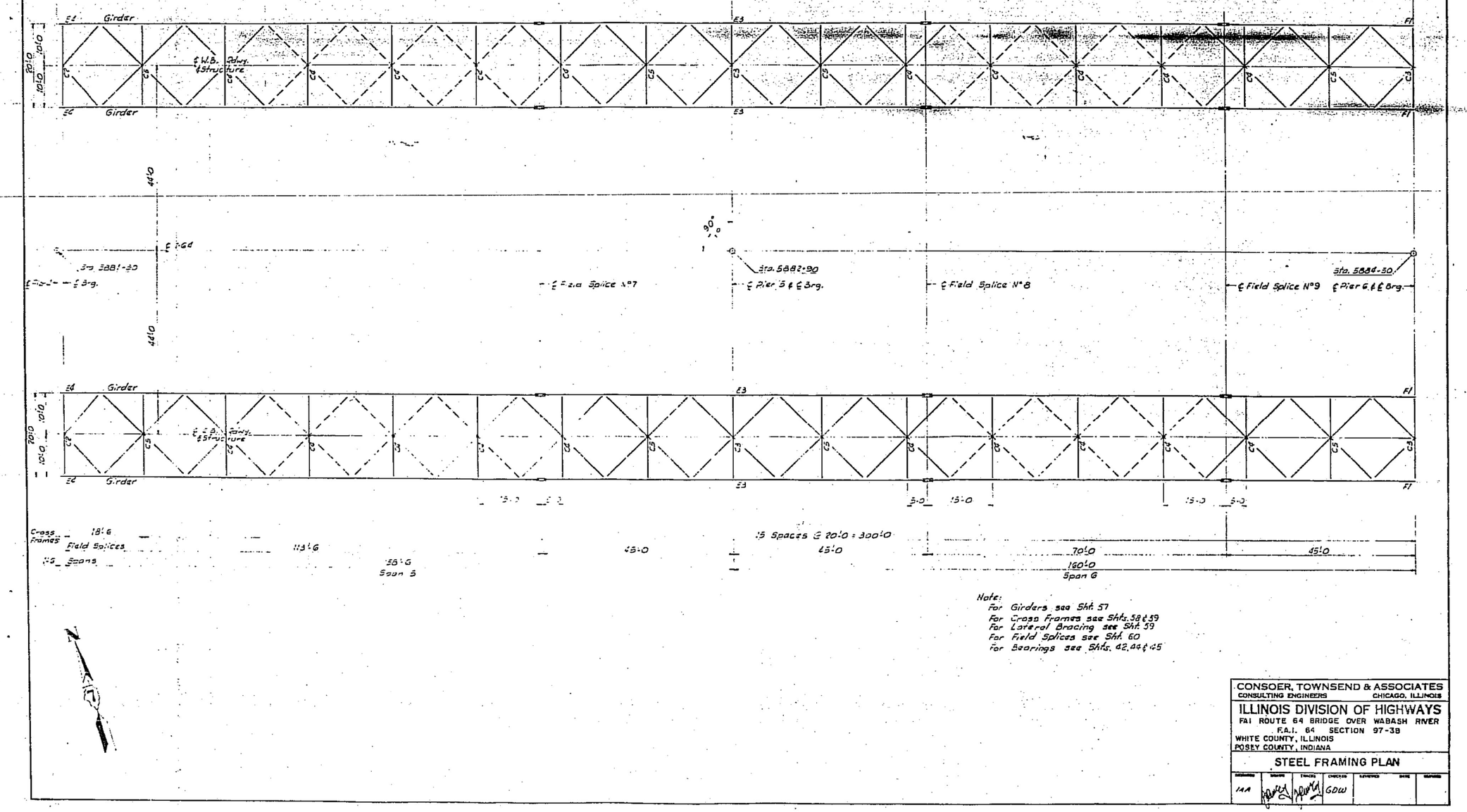
	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-31 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	447
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	49
F.A. GENERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	



CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

STEEL FRAMING PLAN

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	APPROVED
IAA			GDW			

FOR INFORMATION ONLY

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADD\Sheets\Bridge\7660-S0030-EXIST32.dgn

KNIGHT
Engineers & Architects

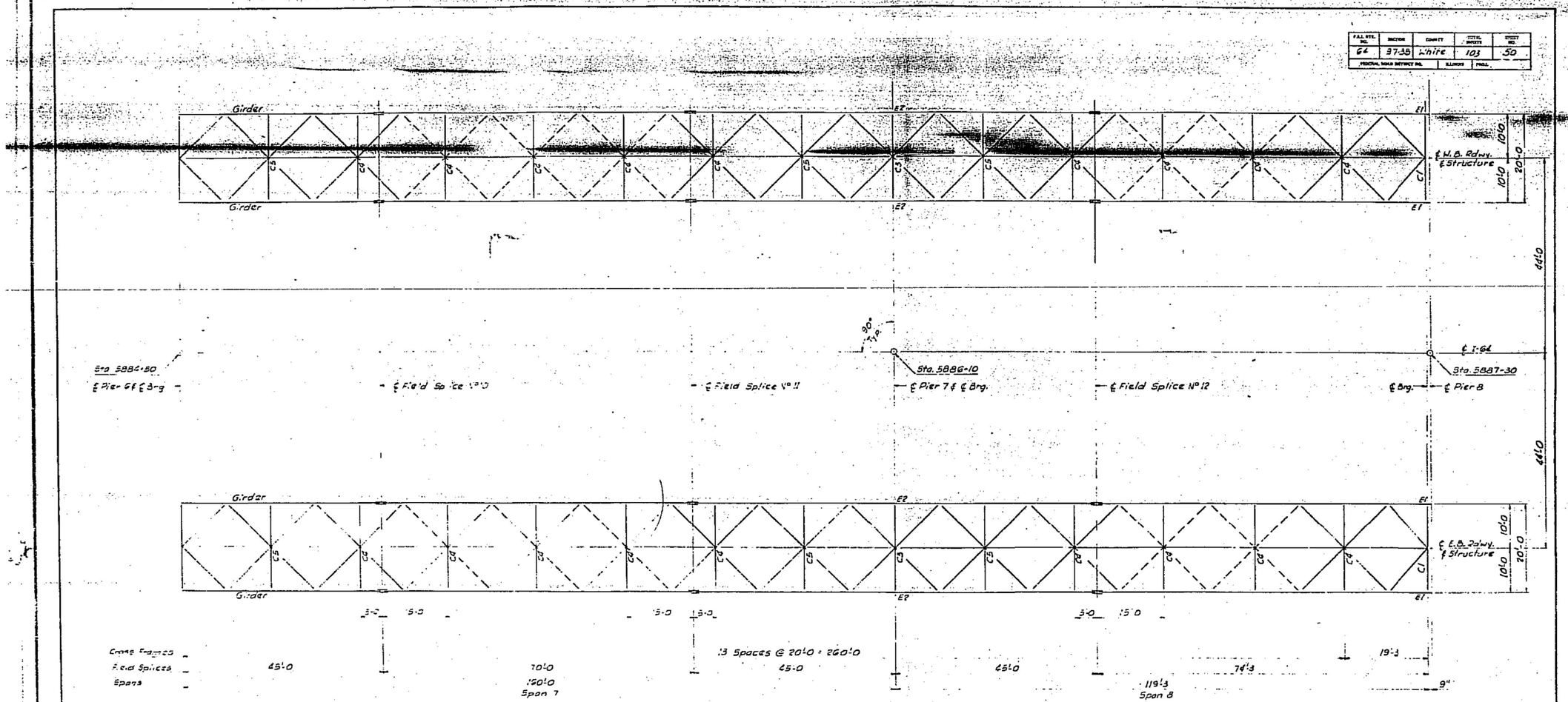
		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-32 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	448
		CONTRACT NO. 78057		
PUBLIC WATERS		ILLINOIS	FED. AID PROJECT	

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	50
FEDERAL HIGHWAY DISTRICT NO.		ILLINOIS	PROJ.	



Note:
For Girders see Sht. 57
For Cross Frames see Sht. 58 & 59
For Lateral Bracing see Sht. 59
For Field Splices see Sht. 60
For Bearings see Shts. 92 & 93

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

STEEL FRAMING PLAN

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
LAA			GDW			

FOR INFORMATION ONLY

PLOT DATE = 8/9/2023
FILE NAME: L:\7660-CADD\Sheets\Bridge\7660-50080-EXIS133.dgn

KNIGHT
Engineers & Architects

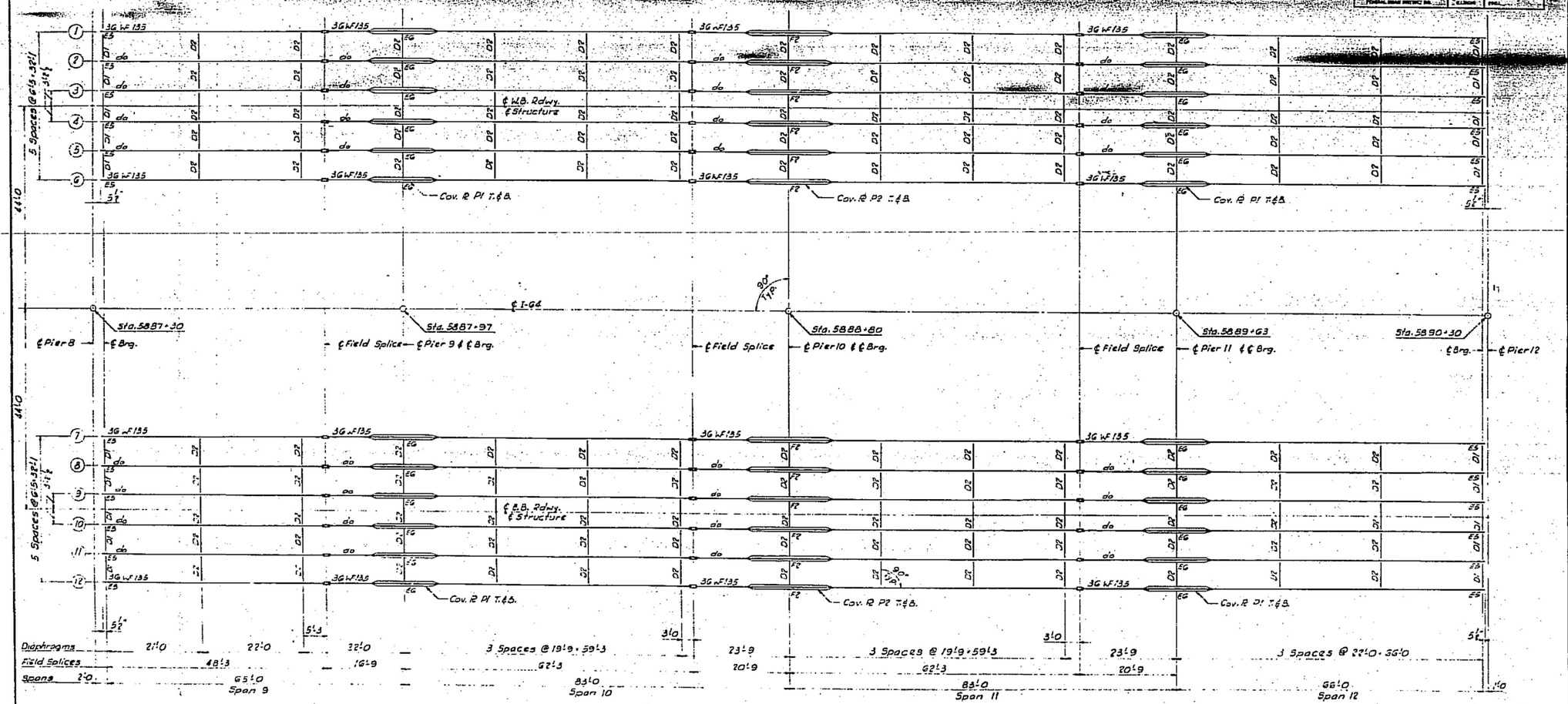
		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-33 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	449
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

F.A.I. RTE. NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	51



Notes:
For Cover Plates see Sht. 60
For Diaphragms see Sht. 60
For Field Splices see Sht. 60
For Bearings see Sht. 46

A-3G Steel: Girds., Diaph., Etc.	2,853,980 Lbs.
Stud Shear Conns.	32,150
Bearings	89,220
Expansion Devices	60,840
Total Structural Steel (W.B. & E.B. Structures Pier 8 to E. Abut.)	3,036,190 Lbs

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

STEEL FRAMING PLAN

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
EHR			LAA			

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

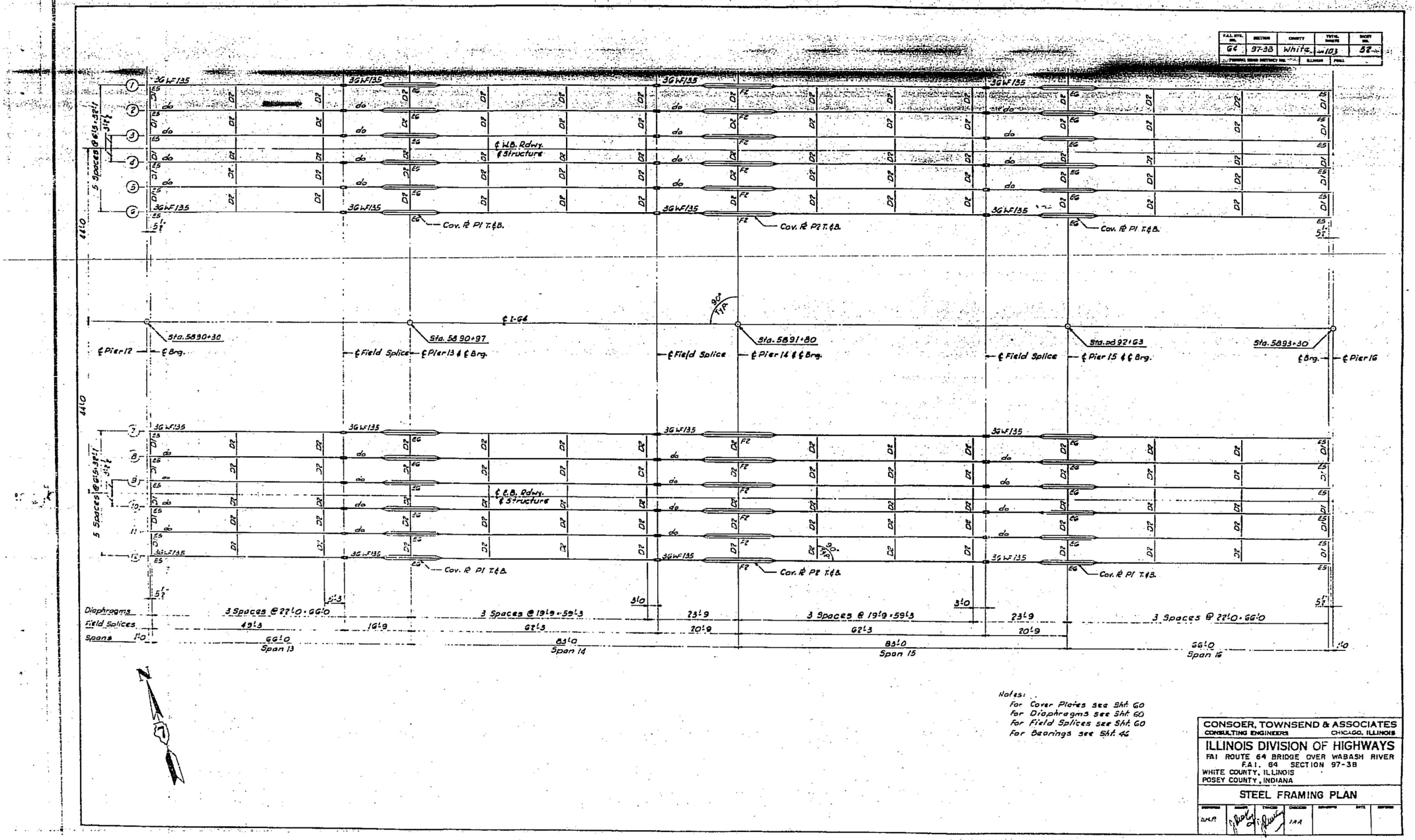
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-34 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	450
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADs\Sheets\Bridge\7600-S0000-MS134.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	52
FEDERAL ROAD DISTRICT NO. 17		ILLINOIS	FED.	



Notes:
For Cover Plates see Sht. 60
For Diaphragms see Sht. 60
For Field Splices see Sht. 60
For Bearings see Sht. 46

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS — CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

STEEL FRAMING PLAN

DESIGNED DALP | CHECKED JAA

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

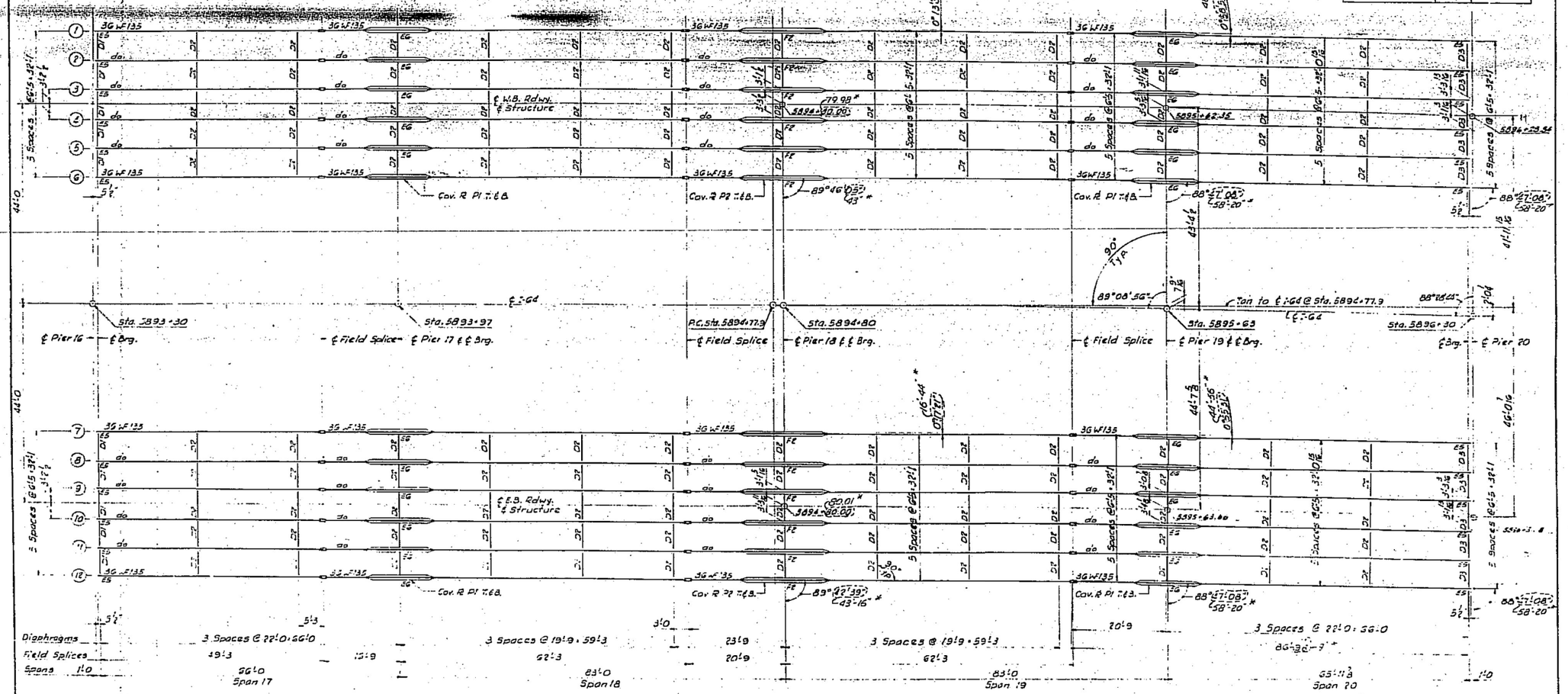
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-35 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	451
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADD\Sheets\Bridge\7660-S0080-EXIST33.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	53
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	



Notes:
For Cover Plates see Sht. 60
For Diaphragms see Sht. 60
For Field Splices see Sht. 60
For Bearings see Sht. 46

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS — CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

STEEL FRAMING PLAN

DRAWN DKB — CHECKED IAA

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

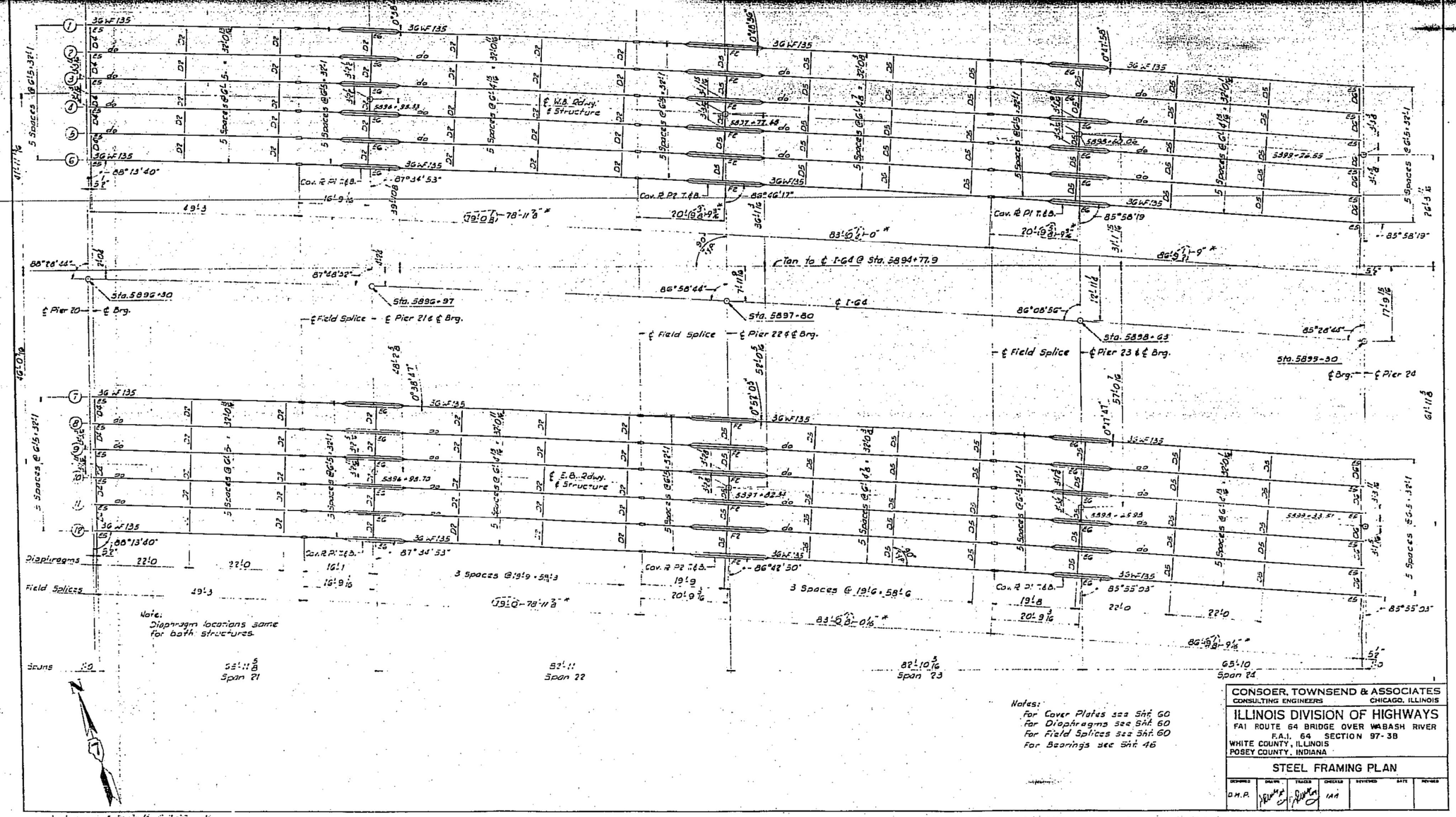
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-36 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	452
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7660-CADD\Sheets\Bridge\7660-S0080-EXIST36.dgn

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	56
FEDERAL ROAD DISTRICT NO.		ILLINOIS	FEDERAL AID PROJECT	



FOR INFORMATION ONLY

KNIGHT Engineers & Architects		DESIGNED - KA	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - LS	REVISED			64	(97-2) B-5	WHITE	578	453
	SCALE - NONE	DRAWN - KA	REVISED					CONTRACT NO. 78057		
	DATE - 8/11/2023	CHECKED - LS	REVISED		SHEET SX-37 OF 51 SHEETS	PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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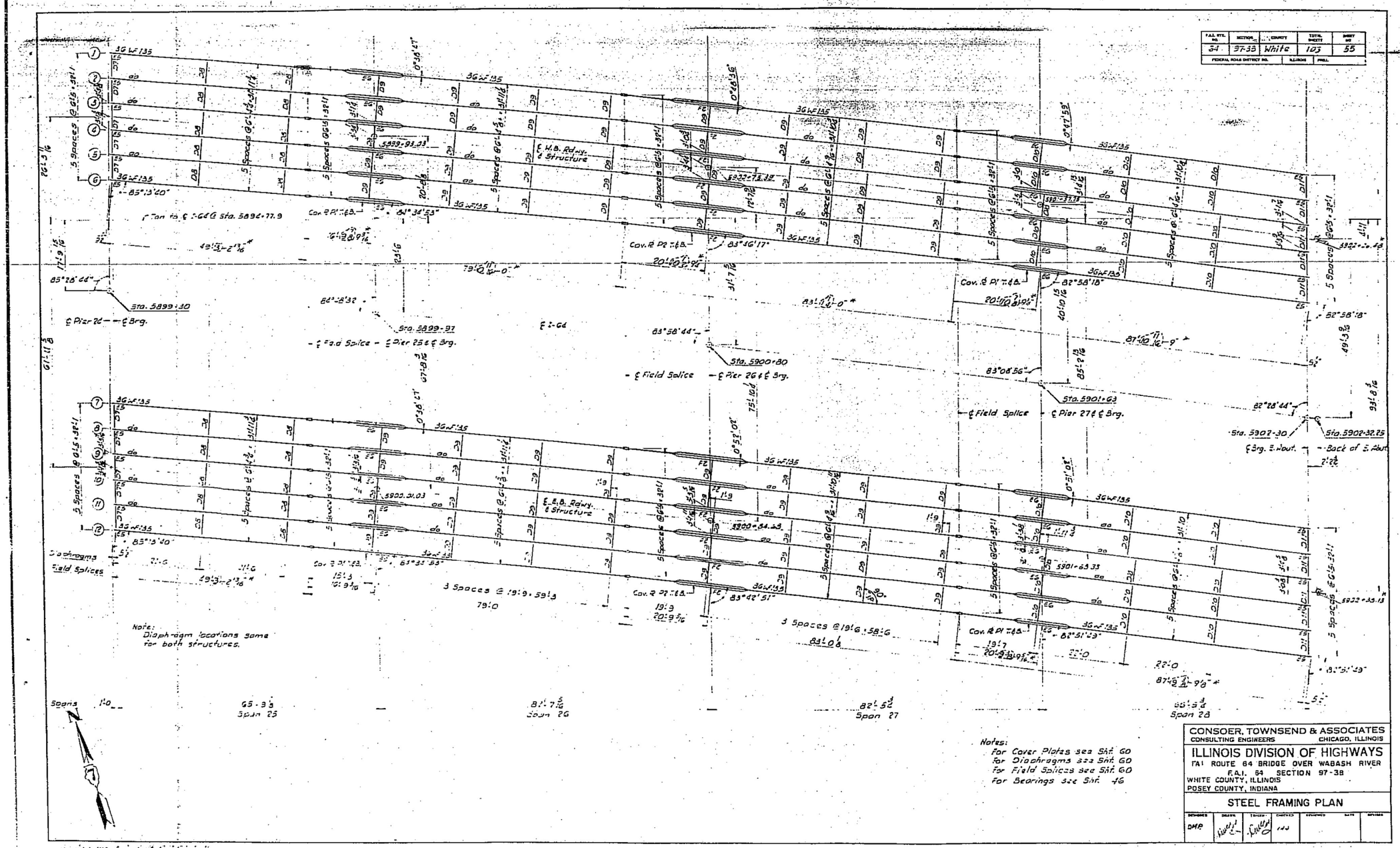


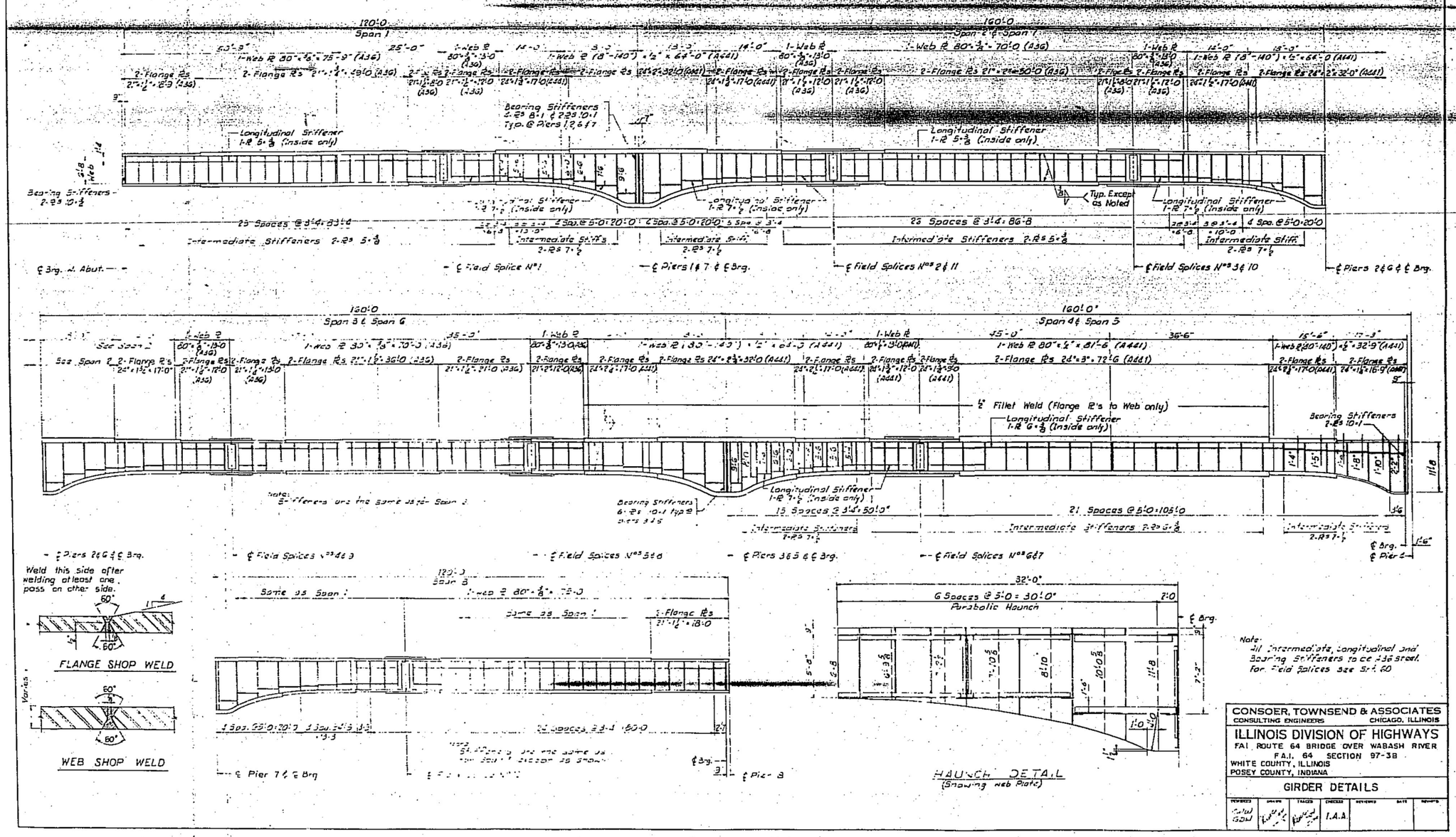
FOR INFORMATION ONLY

KNIGHT Engineers & Architects		DESIGNED - KA	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - LS	REVISED			64	(97-2) B-5	WHITE	578	454
	SCALE - NONE	DRAWN - KA	REVISED					CONTRACT NO. 78057		
	DATE - 8/11/2023	CHECKED - LS	REVISED		SHEET SX-38 OF 51 SHEETS	PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CAD\Sheets\Bridge\7600-S0000-EXS38.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	57

FEDERAL ROAD DISTRICT NO. | ILLINOIS | PROJ.



Note:
All intermediate, longitudinal and bearing stiffeners to be 36ksi steel.
For field splices see Sht. 60

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS — CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GIRDER DETAILS

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
Chad Gold			I.A.A.			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

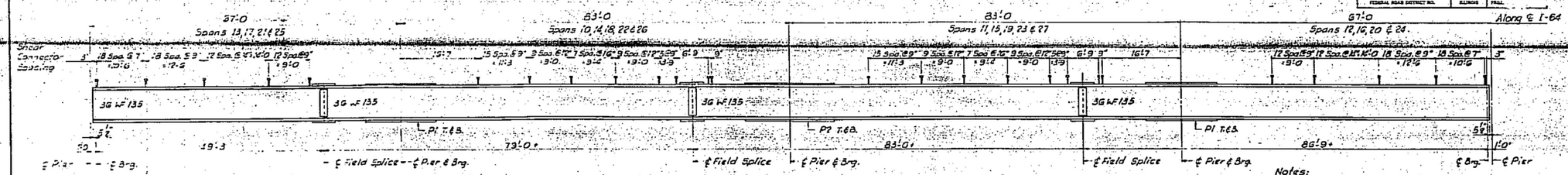
EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-39 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	455

CONTRACT NO. 78057
PUBLIC WATERS | ILLINOIS | FED. AID PROJECT

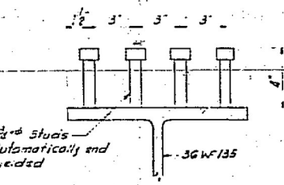
PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADD\Sheets\Bridge\7600-S0000-XNS139.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	58
FEDERAL ROAD DISTRICT NO.		ILLINOIS	FED.	

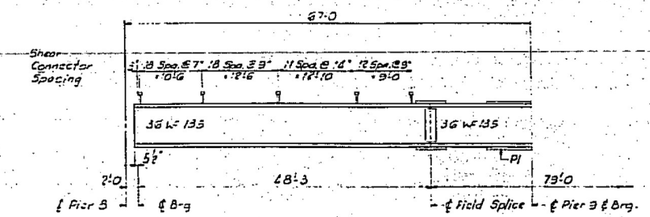


GIRDER ELEVATION - SPANS 10 THRU 27

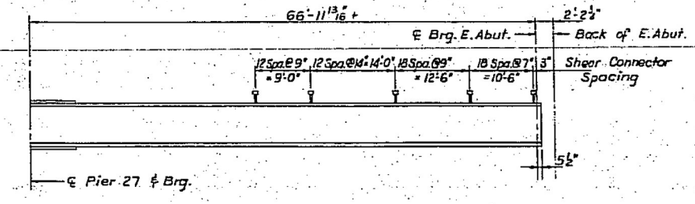
Notes:
For Cover Plates see Sht. 60
For Field Splices see Sht. 60
For Span variations see Framing Plan.



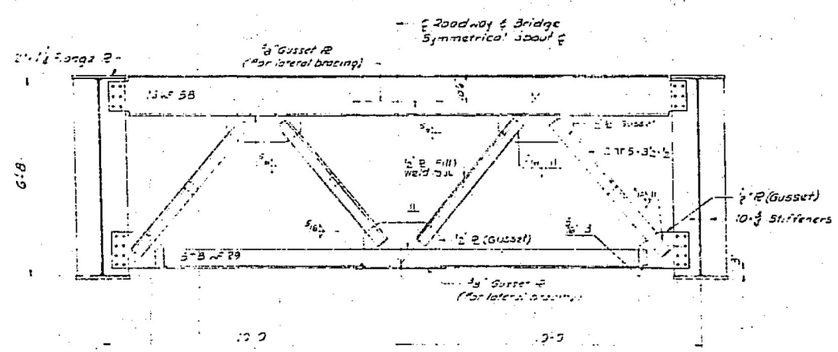
DETAIL OF SHEAR CONNECTORS



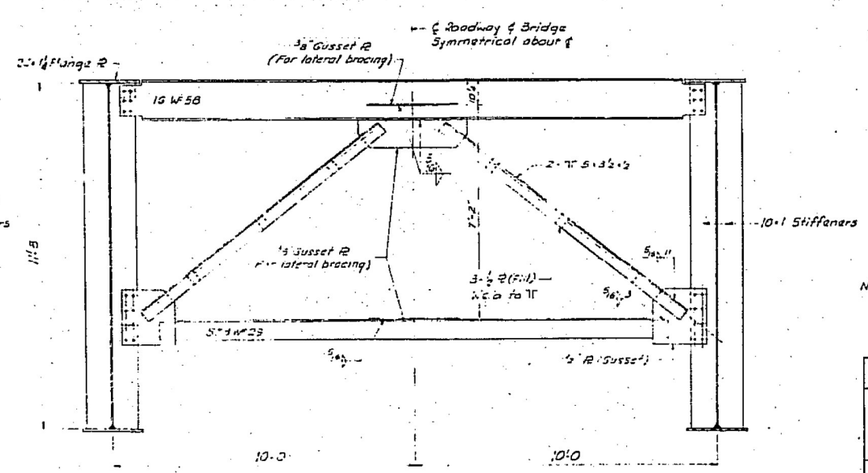
GIRDER ELEVATION - SPAN 9



GIRDER ELEVATION - SPAN 28



CROSS FRAME C1
West Face of Pier 8
(4 Req'd.)



CROSS FRAME C2
Pier 9
(4 Req'd.)

Note:
Use 3/4" ø High tensile bolts throughout.

CONSOER, TOWNSEND & ASSOCIATES
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ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GIRDER DETAILS

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DMP TAA			G.D.W.			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

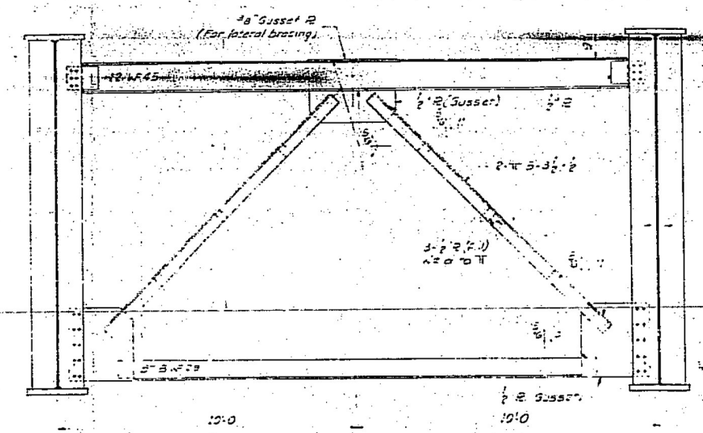
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-40 OF 51 SHEETS

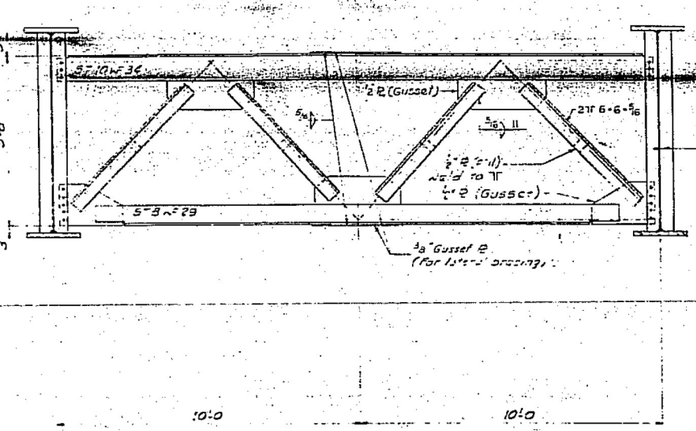
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	456
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CAD\Sheets\Bridge\7600-S0080-EXS140.dgn

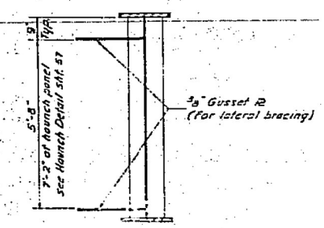
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	59
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	



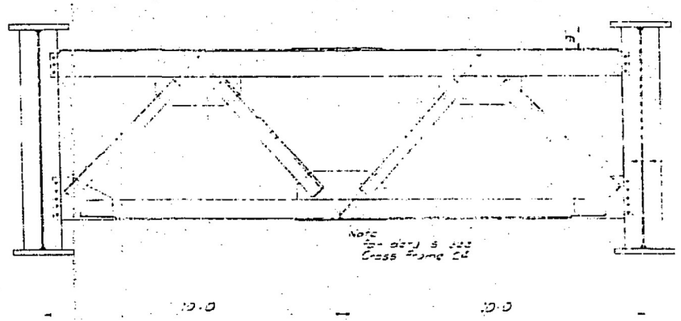
CROSS FRAME C3
Pier Nos 1,2,3,5,6,7
(12 Req'd)



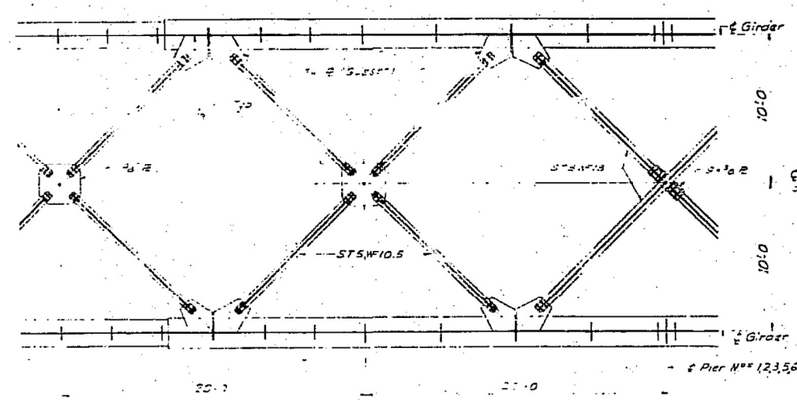
CROSS FRAME C4
Intermediate
(76 Req'd.)



SECTION AT MID-PANEL
(Showing typ. gusset PL spacing for lateral bracing)



CROSS FRAME C5
Intermediate
(38 Req'd.)



LATERAL BRACING

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ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GIRDER DETAILS

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
IAA			GDW			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

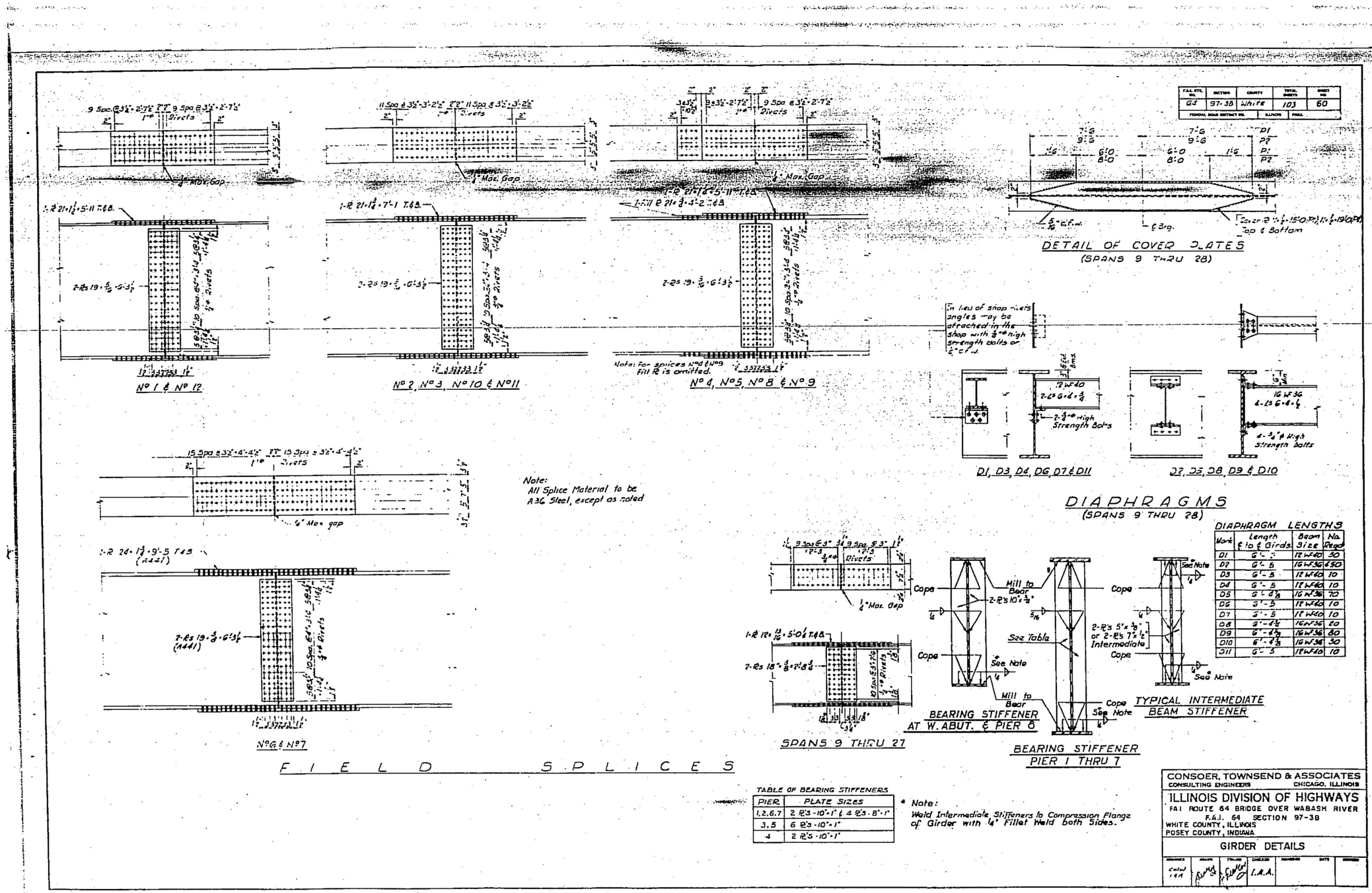
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-41 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	457
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7640\CADD\Sheets\Bridge\7660-S0080-SX5141.dgn

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	60



DIAPHRAGM LENGTHS

Mark	Length ℄ to ℄ Girds.	Beam Size	No. Req'd
D1	6'-5	12WF40	20
D2	6'-5	16WF36	650
D3	6'-5	12WF40	10
D4	6'-5	12WF40	10
D5	6'-6 3/8	16WF36	70
D6	5'-5	12WF40	10
D7	5'-5	12WF40	10
D8	5'-6 5/8	16WF36	20
D9	6'-6 5/8	16WF36	80
D10	6'-6 5/8	16WF36	30
D11	6'-5	12WF40	10

TABLE OF BEARING STIFFENERS

PIER	PLATE SIZES
1,2,6,7	2 PL's -10"-1" & 4 PL's -8"-1"
3,5	6 PL's -10"-1"
4	2 PL's -10"-1"

* Note:
Weld Intermediate Stiffeners to Compression Flange of Girder with 1/4" Fillet Weld both Sides.

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ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

GIRDER DETAILS

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.A.N. I.A.A.			I.A.A.			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

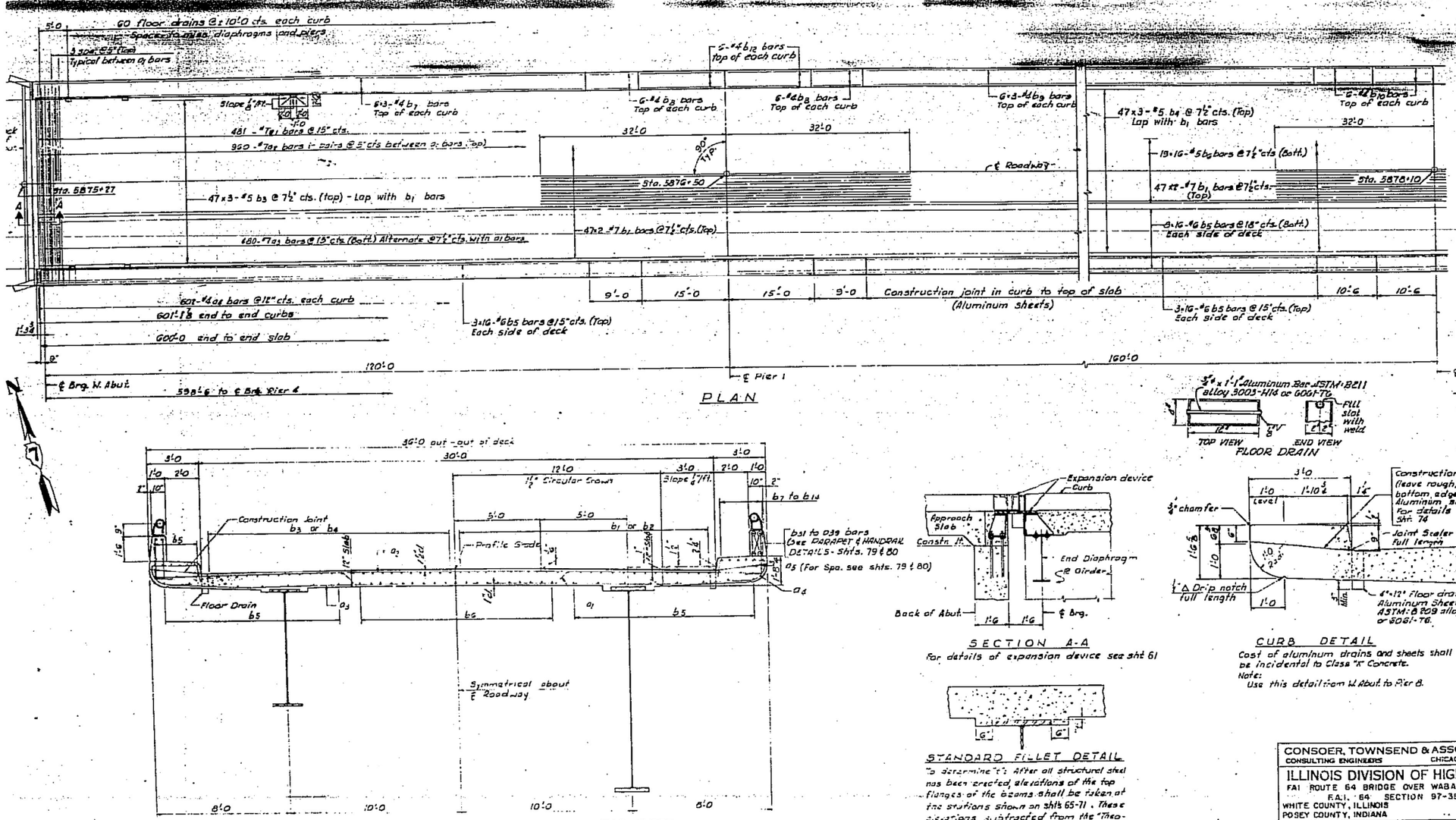
EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-42 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	458
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7660\CAD\Sheets\Bridge\7660-S0080-EXIS142.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-38	White	103	72
FEDERAL ROAD DISTRICT NO.		ILLINOIS	FED.	

Note:
Bars indicated thus: 47x2 - #7 etc. indicates 47 lines of bars with 2 lengths per line.
Min. bar laps: 20 dia.



PLAN

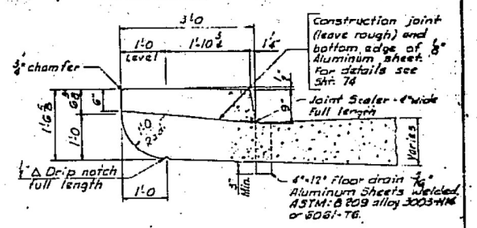
FLOOR DRAIN

NEAR MIDSPAN — NEAR PIERS

CROSS SECTION - TYPICAL WEST ABUTMENT TO PIER 8

SECTION A-A

For details of expansion device see sht 61



CURB DETAIL

Cost of aluminum drains and sheets shall be incidental to Class "K" Concrete.

Note:
Use this detail from W. Abut. to Pier 8.

STANDARD FILLET DETAIL

"To determine t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at the stations shown on shts 65-71. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 65-71 minus floor thickness equals the fillet heights above top of beams.

CONSOER, TOWNSEND & ASSOCIATES
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ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-38
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

SUPERSTRUCTURE

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CWM/TDW			I.A.A.			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

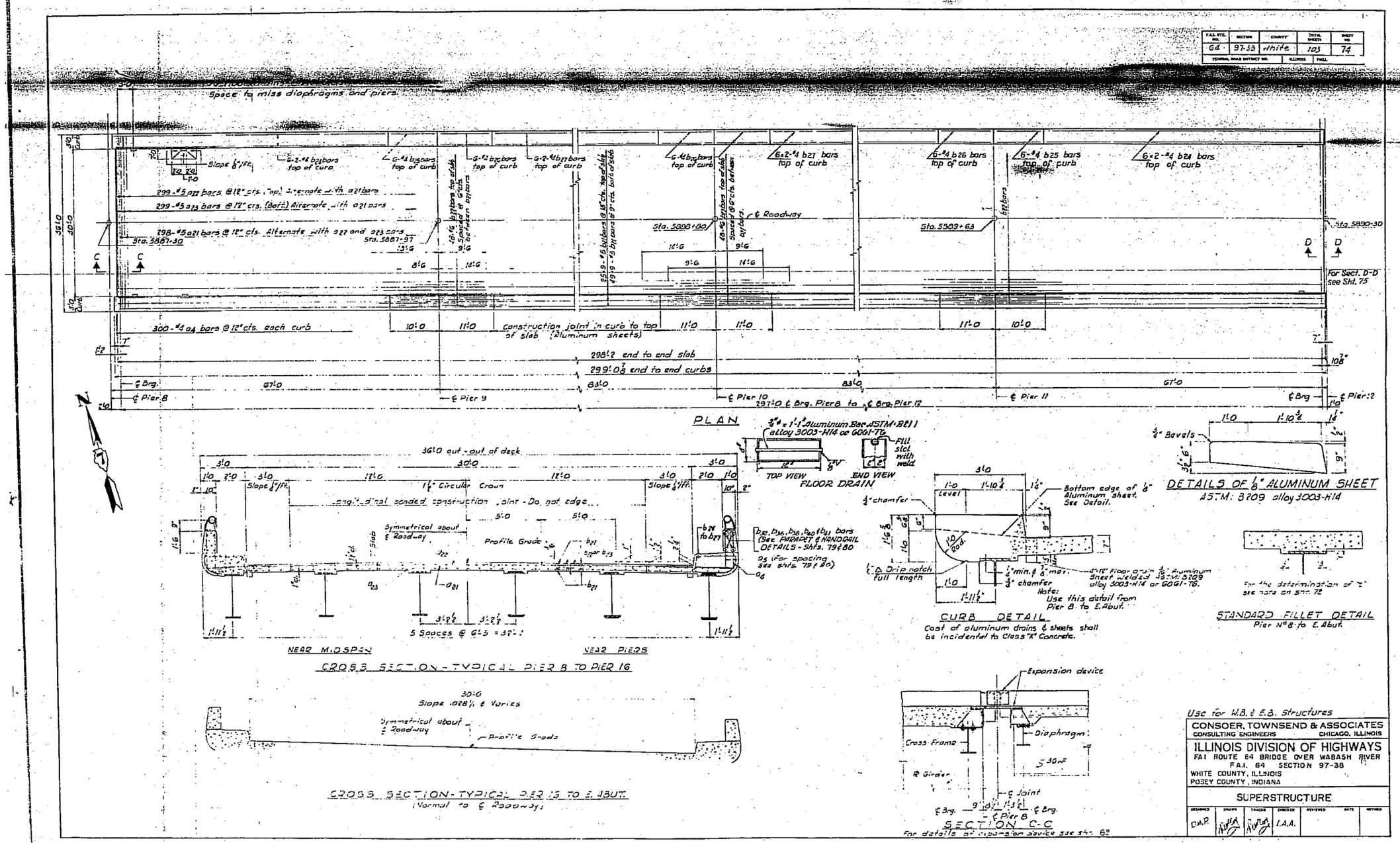
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-43 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	459
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: E:\7600\CADD\Sheets\Bridge\7600-S0080-EXS143.dgn

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	74
FEDERAL ROAD DISTRICT NO.	ILLINOIS	PROJ.		



Use for W.B. & E.B. Structures

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS — CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

SUPERSTRUCTURE

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
D.M.P.			I.A.A.			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

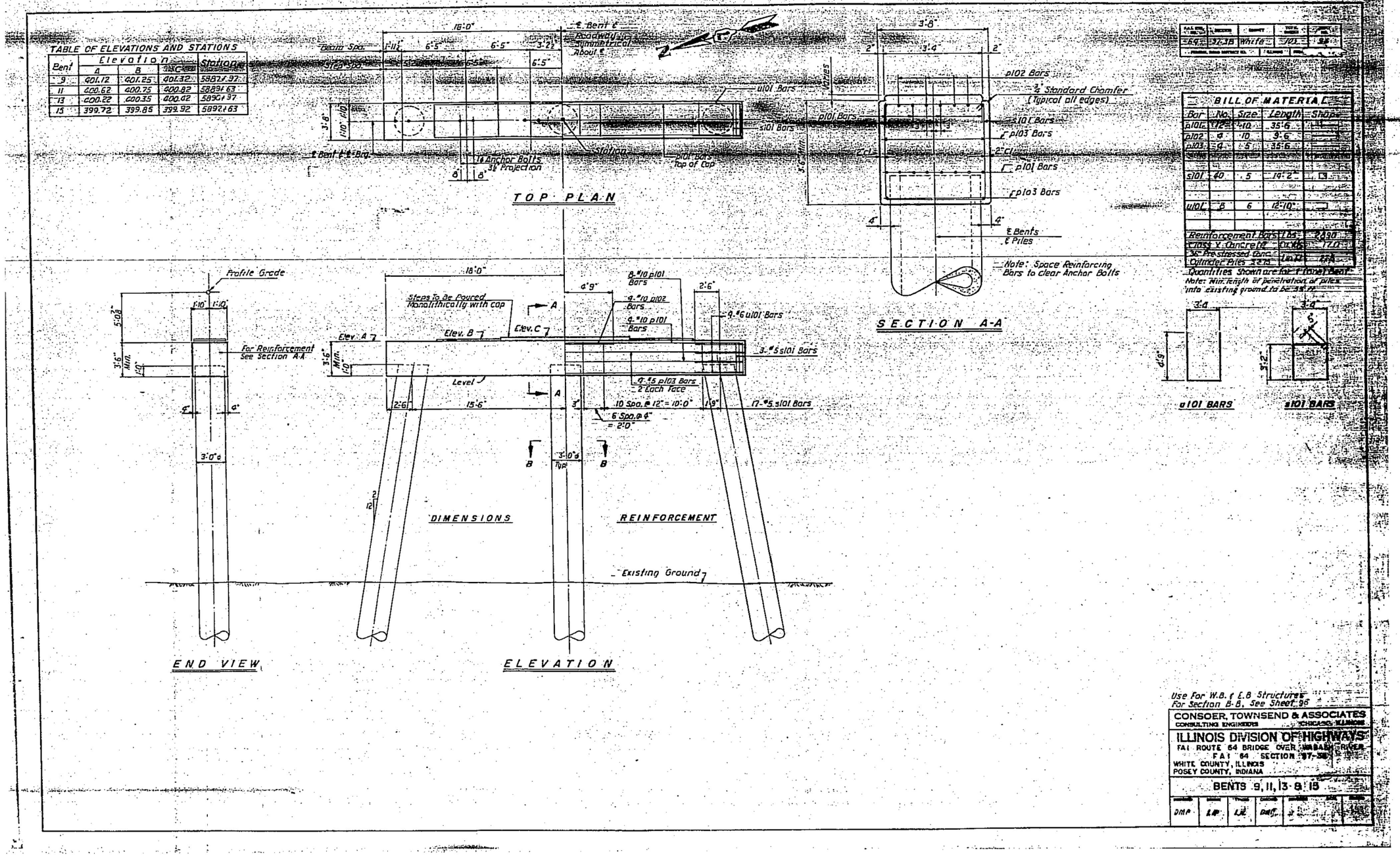
EXISTING PLANS
STRUCTURE NUMBER 097–0080 (EB) AND 097–0081 (WB)
SHEET SX-44 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	460
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADs\Sheets\Bridge\7600-S0000-XNS144.dgn

TABLE OF ELEVATIONS AND STATIONS

Bent	Elevation A	Elevation B	Elevation C	Station
9	401.12	401.25	401.32	5882+92
11	400.62	400.75	400.82	5889+63
13	400.22	400.35	400.42	5896+37
15	399.72	399.85	399.92	5892+63



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p101	172	10	35'-6"	
p102	4	10	9'-6"	
p103	4	5	35'-6"	
s101	40	5	14'-2"	
u101	8	6	12'-10"	
Reinforcement Bars			Lbs.	2,390
Class X Concrete			Cu. Yds.	17.0
36" Prestressed Conc. Cylinder Piles 32 ft.			Lin. Ft.	416

Quantities Shown are for Four Bents

Note: Min. Length of penetration of piles into existing ground to be 35 ft.

Use For W.B. & E.B. Structures
For Section B-B, See Sheet 96

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION (97-3B)
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

BENTS 9, 11, 13 & 15

DMP | LJP | LJE | DMP

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-45 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	461

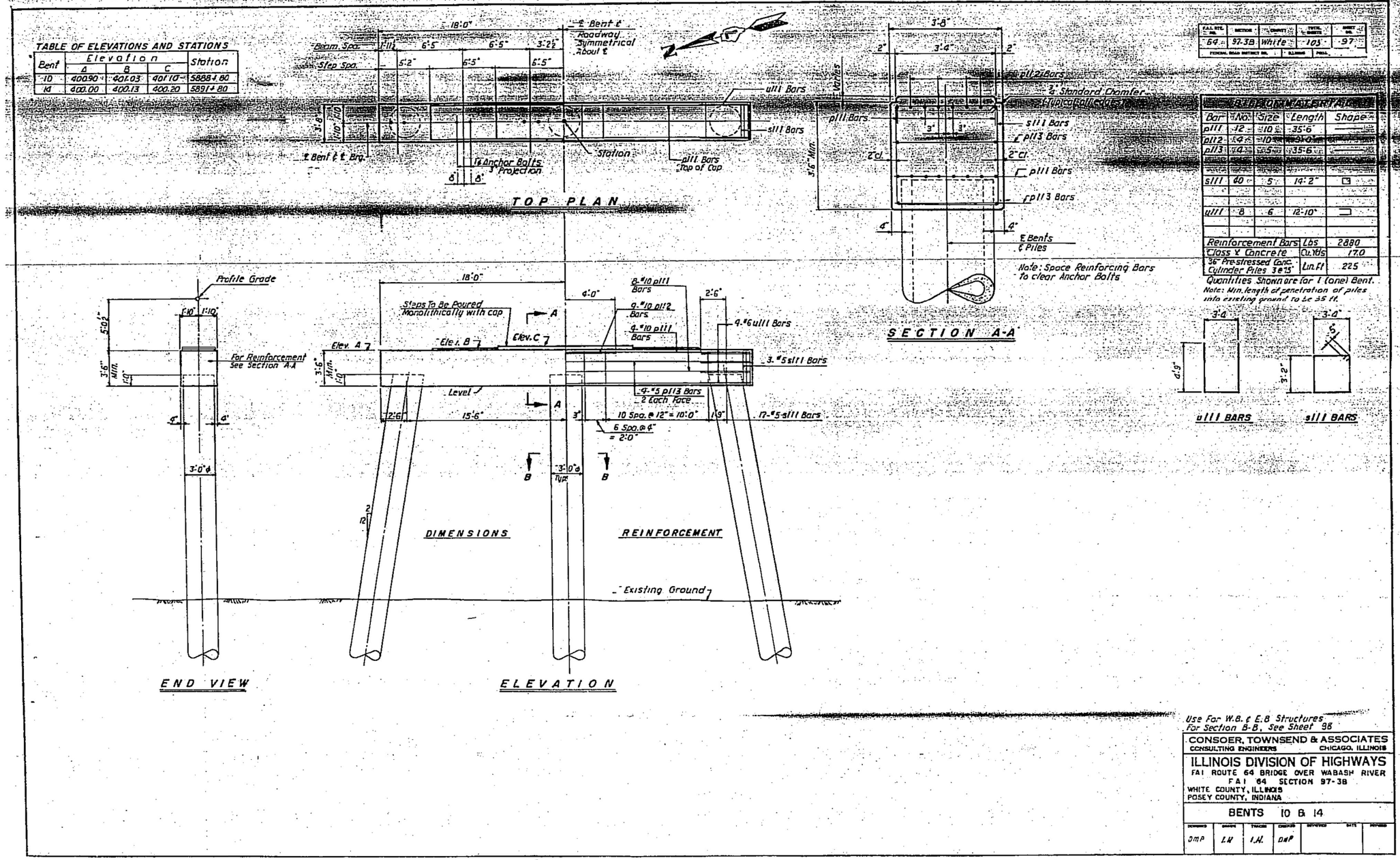
CONTRACT NO. 78057

PUBLIC WATERS | ILLINOIS | FED. AID PROJECT

PLOT DATE = 8/9/2023
FILE NAME: L:\7660-CADD\Sheets\Bridge\7660-S0080-EXIS145.dgn

TABLE OF ELEVATIONS AND STATIONS

Bent	Elevation A	Elevation B	Elevation C	Station
10	400.90	401.03	401.10	5888+80
14	400.00	400.13	400.20	5891+80



Reinforcement Bars	Lbs	2880
Class X Concrete	Cu. Yds	17.0
36" Prestressed Conc. Cylinder Piles 3@5'	Lin. Ft	225

CONSOER, TOWNSEND & ASSOCIATES
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ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

BENTS 10 & 14

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
DMP	L.W.	I.H.	DMP			

FOR INFORMATION ONLY

KNIGHT Engineers & Architects

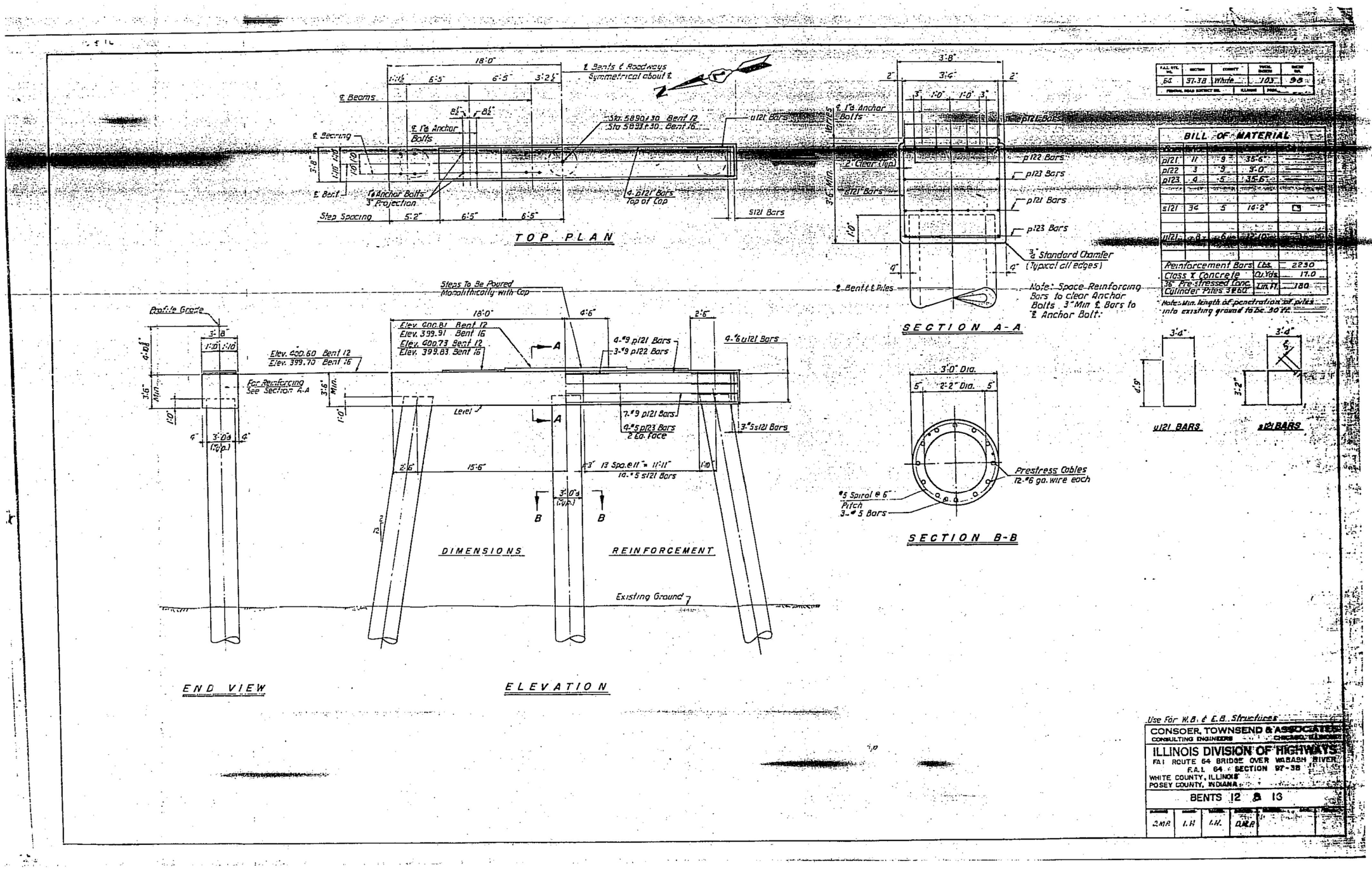
	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-46 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	462
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

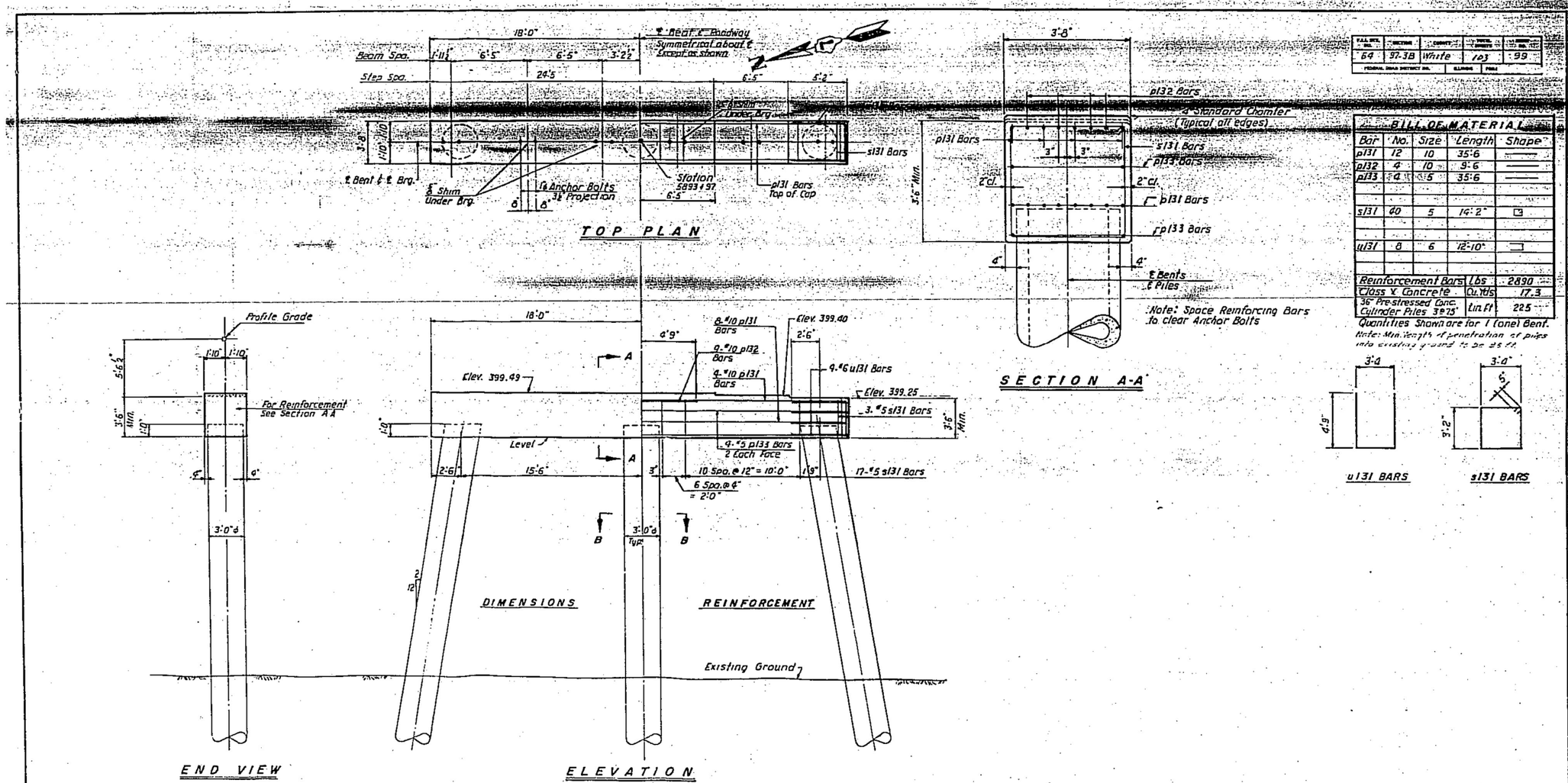
PLOT DATE = 8/9/2023
FILE NAME: L:\7660-CADD\Sheets\Bridge\7660-S0080-EXIST46.dgn



FOR INFORMATION ONLY

KNIGHT Engineers & Architects		DESIGNED - KA	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - LS	REVISED			64	(97-2) B-5	WHITE	578	463
	SCALE - NONE	DRAWN - KA	REVISED					CONTRACT NO. 78057		
	DATE - 8/11/2023	CHECKED - LS	REVISED		SHEET SX-47 OF 51 SHEETS	PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
FILE NAME: L:\7600\CADD\Sheets\Bridge\7660-50080-EXIS147.dgn



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	99

FEDERAL AID DISTRICT NO. | ILLINOIS | FED.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p131	12	10	35'-6	
p132	4	10	9'-6	
p133	4	5	35'-6	
s131	40	5	14'-2"	
u131	8	6	12'-10"	
Reinforcement Bars		Lbs	2890	
Class X Concrete		Cu. Yds	17.3	
36" Prestressed Conc. Cylinder Piles 3@75'		Lin Ft	225	

Quantities Shown are for 1 (one) Bent.

Note: Min. length of penetration of piles into existing ground to be 25 ft.

u131 BARS s131 BARS

Use For W.B. & E.B. Structures
For Section B-B, See Sheet 93

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B.
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

BENT 17

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
D.M.P.	L.W.	L.W.	C.M.P.			

FOR INFORMATION ONLY

PLOT DATE = 8/9/2023
FILE NAME: L:\7660-S0080-E\MS148.dgn

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

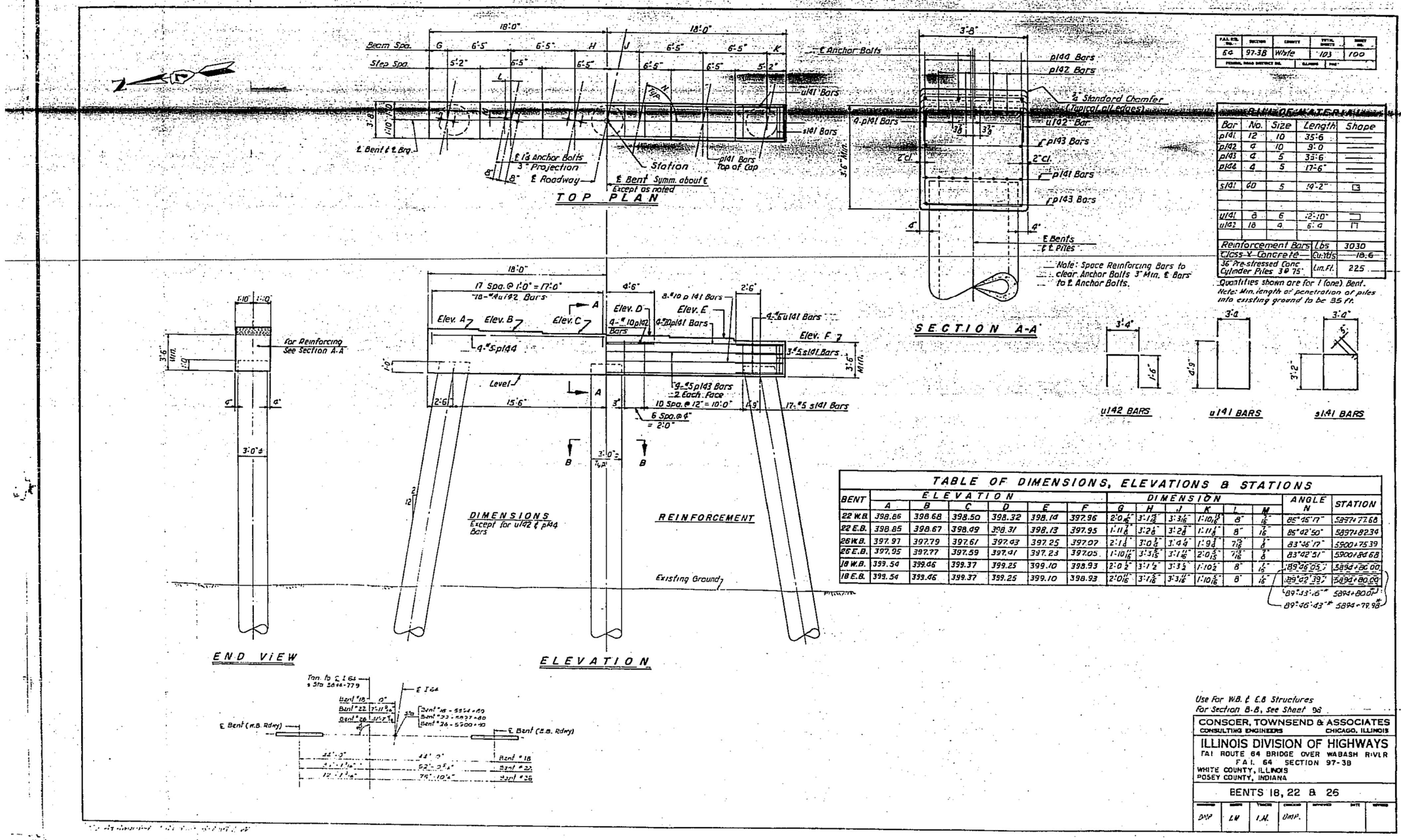
EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-48 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	464

CONTRACT NO. 78057

PUBLIC WATERS | ILLINOIS | FED. AID PROJECT

F.A.I. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	100
FEDERAL ROAD DISTRICT NO.		ILLINOIS	FHWA	



BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
p141	12	10	35'-6	
p142	4	10	9'-0	
p143	4	5	35'-6	
p144	4	5	17'-6"	
s141	60	5	19'-2"	
u141	8	6	12'-10"	
u142	18	4	6'-4	
Reinforcement Bars			Lbs	3030
Class "X" Concrete			Cu. Yds	18.6
36" Pre-stressed Conc Cylinder Piles 3@75'			Lin. Ft.	225

Quantities shown are for 1 (one) Bent.
Note: Min. length of penetration of piles into existing ground to be 35 ft.

TABLE OF DIMENSIONS, ELEVATIONS & STATIONS														
BENT	ELEVATION						DIMENSION						ANGLE N	STATION
	A	B	C	D	E	F	G	H	J	K	L	M		
22 W.B.	398.86	398.68	398.50	398.32	398.14	397.96	2'-0 1/16"	3'-1 15/16"	3'-3 1/16"	1'-10 13/16"	8"	1/16"	85°45'17"	5897+77.68
22 E.B.	398.85	398.67	398.49	398.31	398.13	397.95	1'-11 3/16"	3'-2 1/16"	3'-2 13/16"	1'-11 3/16"	8"	1/16"	85°42'50"	5897+82.34
26 W.B.	397.97	397.79	397.61	397.43	397.25	397.07	2'-1 1/4"	3'-0 3/8"	3'-4 1/4"	1'-9 3/4"	7 13/16"	3/8"	83°46'17"	5900+75.39
26 E.B.	397.95	397.77	397.59	397.41	397.23	397.05	1'-10 11/16"	3'-3 5/16"	3'-1 11/16"	2'-0 5/16"	7 13/16"	3/8"	83°42'51"	5900+80.68
18 W.B.	399.54	399.46	399.37	399.25	399.10	398.93	2'-0 1/2"	3'-1 1/2"	3'-3 1/2"	1'-10 1/2"	8"	1/16"	89°46'05"	5894+80.00
18 E.B.	399.54	399.46	399.37	399.25	399.10	398.93	2'-0 11/16"	3'-1 5/16"	3'-3 11/16"	1'-10 5/16"	8"	1/16"	89°42'39"	5894+80.00
													89°33'16"	5894+80.00
													89°46'43"	5894+79.98

Use For W.B. & E.B. Structures
For Section B-B, see Sheet 98

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

BENTS 18, 22 & 26

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	APPROVED	DATE	REVISED
DMP	LM	I.M.	DMP.				

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-49 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	465
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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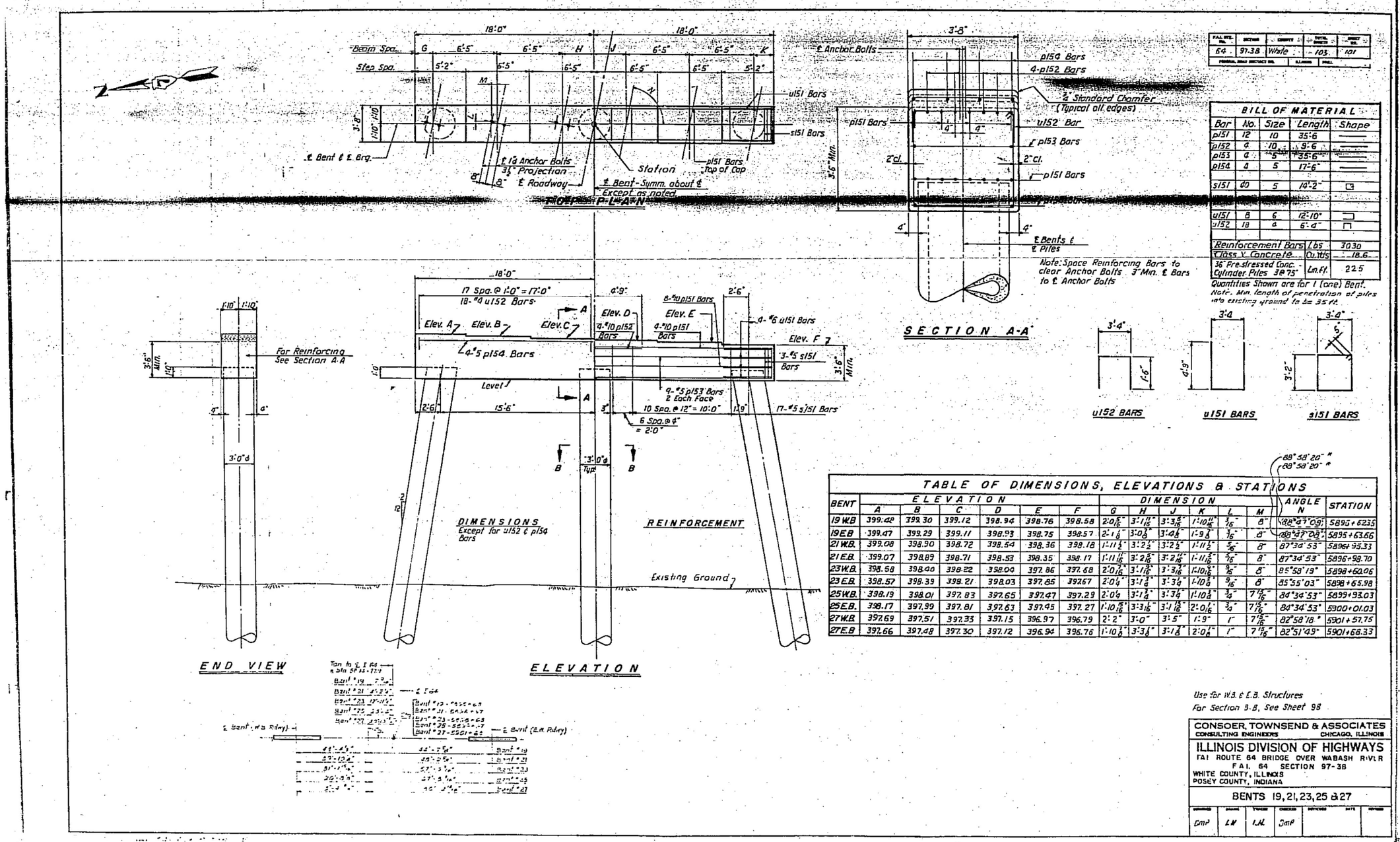

FAI RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	101
FEDERAL AID PROJECT NO.		ILLINOIS	FED.	

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p151	12	10	35'-6"	
p152	4	10	9'-6"	
p153	4	5	35'-6"	
p154	4	5	17'-6"	
s151	40	5	14'-2"	
u151	8	6	12'-10"	
u152	18	4	6'-4"	
Reinforcement Bars			Lbs	3030
Class V Concrete			Cu. Yds	18.6
36" Pre-stressed Conc. Cylinder Piles 38'-75"			Ln. ft.	225

Quantities Shown are for 1 (one) Bent.
Note: Min. length of penetration of piles into existing ground to be 35 ft.

TABLE OF DIMENSIONS, ELEVATIONS & STATIONS

BENT	ELEVATION A	ELEVATION B	ELEVATION C	ELEVATION D	ELEVATION E	ELEVATION F	DIMENSION G	DIMENSION H	DIMENSION J	DIMENSION K	DIMENSION L	DIMENSION M	ANGLE N	STATION
19 W.B	399.42	398.30	399.12	398.94	398.76	398.58	2'-0 7/16"	3'-1 11/16"	3'-3 5/16"	1'-10 11/16"	3/16"	8"	88°58'20" *	5895+62.35
19 E.B	399.47	398.29	399.11	398.93	398.75	398.57	2'-1 1/8"	3'-0 3/8"	3'-4 1/8"	1'-9 3/8"	7/16"	8"	88°58'20" *	5895+63.66
21 W.B.	399.08	398.90	398.72	398.54	398.36	398.18	1'-11 1/2"	3'-2 1/2"	3'-2 1/2"	1'-11 1/2"	3/16"	8"	87°34'53"	5896+95.33
21 E.B.	399.07	398.89	398.71	398.53	398.35	398.17	1'-11 11/16"	3'-2 13/16"	3'-2 11/16"	1'-11 13/16"	3/16"	8"	87°34'53"	5896+98.70
23 W.B.	398.58	398.40	398.22	398.04	397.86	397.68	2'-0 13/16"	3'-1 13/16"	3'-3 3/16"	1'-10 13/16"	3/16"	8"	85°58'19"	5898+60.06
23 E.B.	398.57	398.39	398.21	398.03	397.85	397.67	2'-0 1/4"	3'-1 1/4"	3'-3 1/4"	1'-10 1/4"	3/16"	8"	85°55'03"	5898+65.98
25 W.B.	398.19	398.01	397.83	397.65	397.47	397.29	2'-0 1/4"	3'-1 1/4"	3'-3 1/4"	1'-10 1/4"	3/4"	7 13/16"	84°34'53"	5899+93.03
25 E.B.	398.17	397.99	397.81	397.63	397.45	397.27	1'-10 15/16"	3'-3 1/16"	3'-1 15/16"	2'-0 1/16"	3/4"	7 13/16"	84°34'53"	5900+01.03
27 W.B	397.69	397.51	397.33	397.15	396.97	396.79	2'-2"	3'-0"	3'-5"	1'-9"	1"	7 13/16"	82°58'18"	5901+57.75
27 E.B	397.66	397.48	397.30	397.12	396.94	396.76	1'-10 7/8"	3'-3 1/8"	3'-1 3/8"	2'-0 1/8"	1"	7 13/16"	82°51'49"	5901+68.33

Use for W.B. & E.B. Structures
For Section B-B, See Sheet 98

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

BENTS 19, 21, 23, 25 & 27

APPROVED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
DMP	LW	LJL	DMP			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

		DESIGNED - KA	REVISED
		CHECKED - LS	REVISED
SCALE - NONE		DRAWN - KA	REVISED
DATE - 8/11/2023		CHECKED - LS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-50 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	466
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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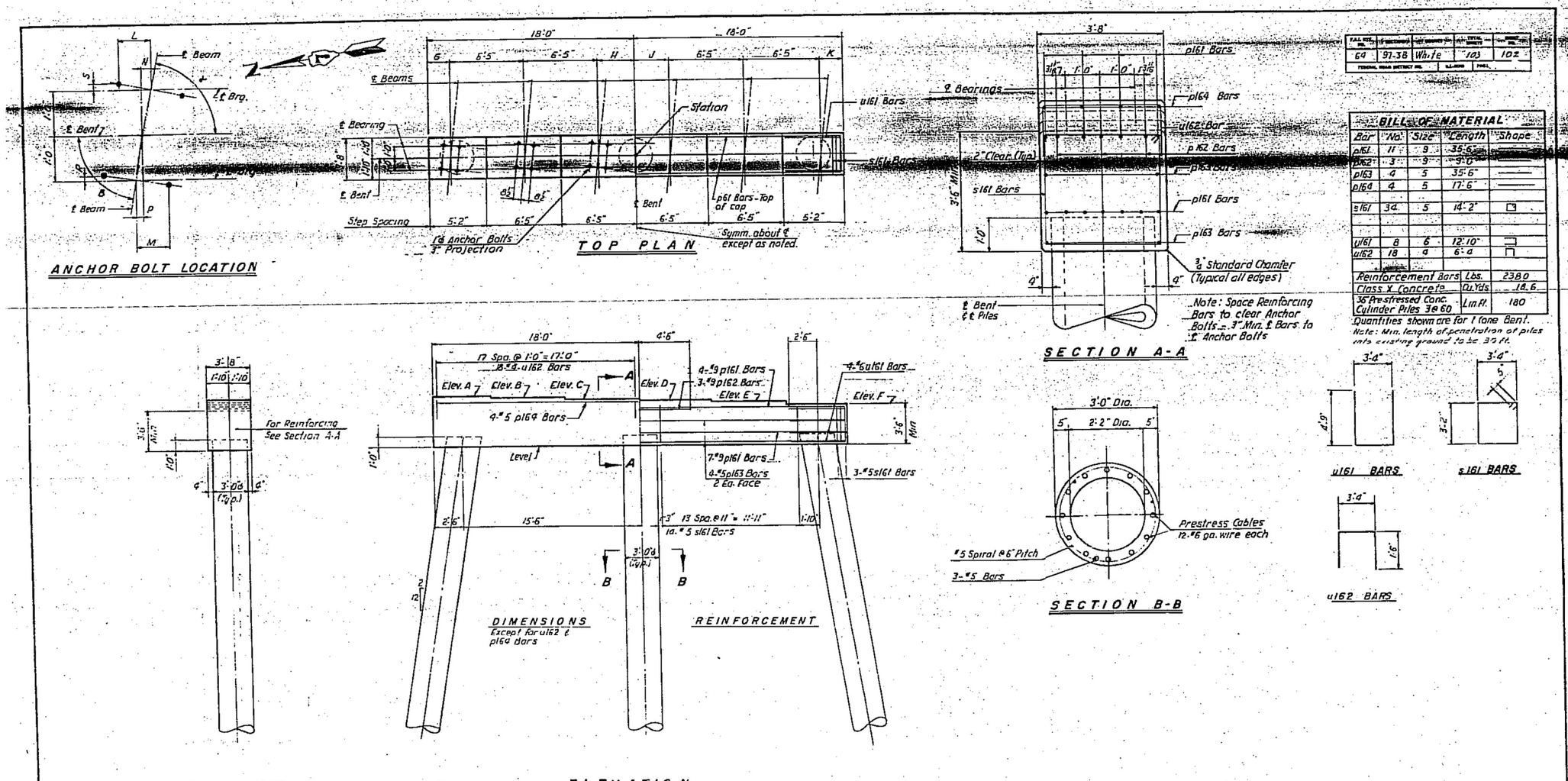

F.A.I. RTE. NO.	SECTION NUMBER	COUNTY	TOTAL SHEETS	SHEET NO.
64	97-3B	White	103	102
FEDERAL ROAD DISTRICT NO.		ILLINOIS	PROJ.	

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p161	11	9	35'-6"	
p162	3	9	9'-0"	
p163	4	5	35'-6"	
p164	4	5	17'-6"	
s161	34	5	14'-2"	
u161	8	6	12'-10"	
u162	18	4	6'-4	
Reinforcement Bars			Lbs.	2380
Class X Concrete			Cu. Yds.	18.6
36" Prestressed Conc. Cylinder Piles 3@60			Lin. Ft.	180

Quantities shown are for 1 (one) Bent.
Note: Min. length of penetration of piles into existing ground to be 30 ft.

TABLE OF DIMENSIONS, ELEVATIONS & STATIONS

BENT	ELEVATION A	B	C	D	E	F	DIMENSION G	H	J	K	L	M	N	P	R	S	ANGLE α	ANGLE β	STATION
20 W.B.	399.47	399.29	399.11	398.93	398.75	398.57	1'-10 3/16"	3'-3 13/16"	3'-1 3/16"	2'-0 13/16"	8 1/2"	8 1/2"	3"	1/4"	3/16"	1/4"	88°13'40"	88°47'08" *	5896+28.80
20 E.B.	399.46	399.28	399.10	398.92	398.74	398.56	1'-10 13/16"	3'-3 3/16"	3'-1 13/16"	2'-0 3/16"	8 1/2"	8 1/2"	3/8"	1/4"	3/16"	1/4"	88°13'40"	88°47'08" *	5896+31.18
24 W.B.	398.58	398.40	398.22	398.04	397.86	397.68	1'-10 5/8"	3'-3 1/8"	3'-1 5/8"	2'-0 1/4"	8 1/2"	8 1/2"	1"	7/8"	5/8"	11/16"	85°13'40"	85°58'19"	5899+26.65
24 E.B.	398.56	398.38	398.20	398.02	397.84	397.66	1'-10 5/8"	3'-3 1/8"	3'-1 5/8"	2'-0 15/16"	8 1/2"	8 1/2"	1"	7/8"	5/8"	11/16"	85°13'40"	85°55'03"	5899+33.51

88°58'20" *
88°58'20" *

Use For W.B. & E.B. Structures

CONSOER, TOWNSEND & ASSOCIATES
CONSULTING ENGINEERS — CHICAGO, ILLINOIS

ILLINOIS DIVISION OF HIGHWAYS
FAI ROUTE 64 BRIDGE OVER WABASH RIVER
F.A.I. 64 SECTION 97-3B
WHITE COUNTY, ILLINOIS
POSEY COUNTY, INDIANA

BENTS 20 & 24

DESIGNED	CHECKED	DRAWN	CHECKED	REVISED	DATE	REVISED
DMP	I.H.	I.H.	DMP			

FOR INFORMATION ONLY

KNIGHT
Engineers & Architects

	DESIGNED - KA	REVISED	
	CHECKED - LS	REVISED	
SCALE - NONE	DRAWN - KA	REVISED	
DATE - 8/11/2023	CHECKED - LS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NUMBER 097-0080 (EB) AND 097-0081 (WB)
SHEET SX-51 OF 51 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	467
		CONTRACT NO. 78057		
PUBLIC WATERS	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 8/9/2023
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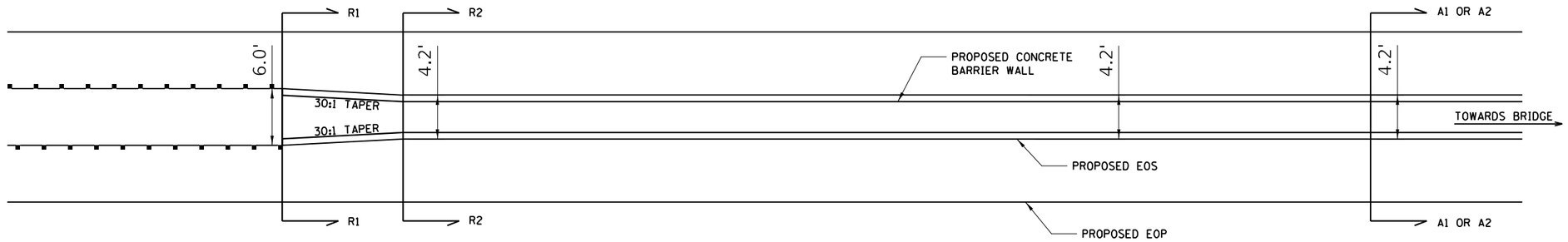
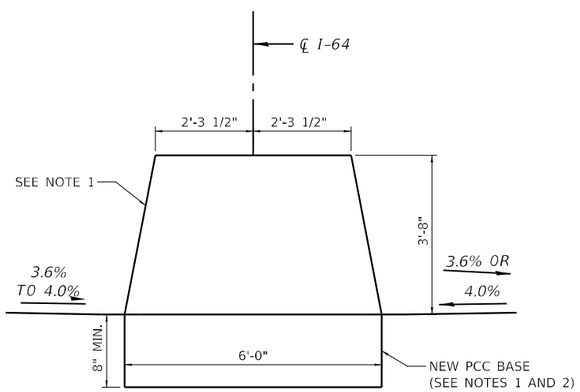
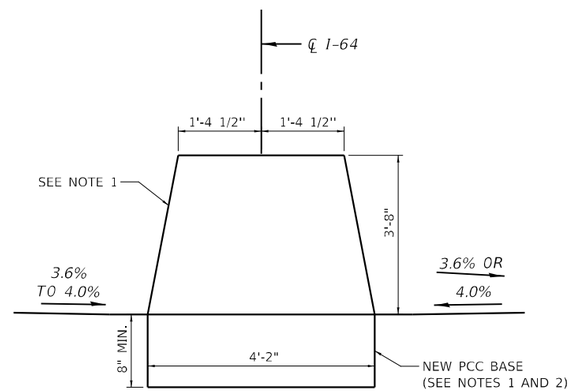


PLAN VIEW



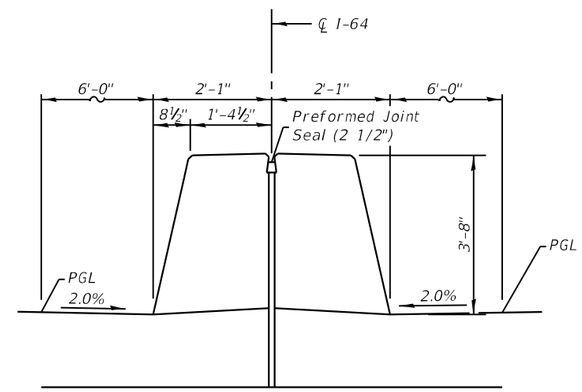
CROSS SECTION R-1

(Barrier Wall at Guardrail Terminals)



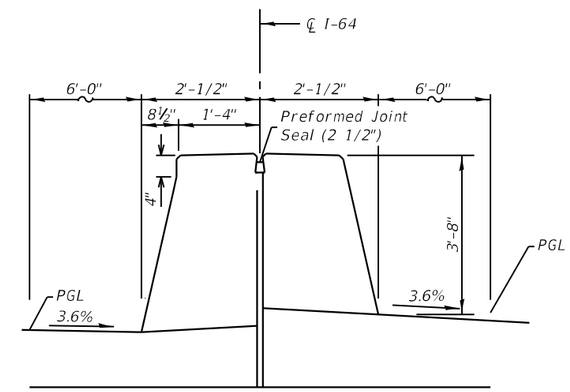
CROSS SECTION R-2

(Standard Barrier Wall Section)



CROSS SECTION A-1

(Barrier Wall at West Abutment)



CROSS SECTION A-2

(Barrier Wall at East Abutment)

CONCRETE BARRIER, DOUBLE FACED. 44 INCH HEIGHT (SPECIAL) DETAIL

NOTES:

1. THE SLOPE OF THE PROPOSED CONCRETE BARRIER AND NEW PPC BASE SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 637006. THE NEW PCC BASE SHALL BE KEYED OR TIED TO CONCRETE BARRIER WITH HOOK BARS.
2. CONCRETE BARRIER BASE SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INLCUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT (SPECIAL).
3. TAPER RATE IN THE TRANSITION AREA SHALL BE AS SHOWN AND NO LESS THAN A 30:1 TAPER RATE.

MODEL: $MODELNAMES
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KNIGHT
Engineers & Architects

USER NAME = USJM706109	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:2.00008	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

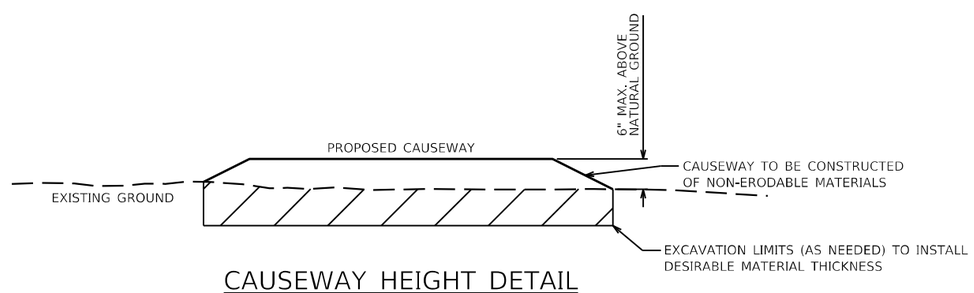
DETAILS

SCALE: | SHEET D-1 OF 5 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	468

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



CAUSEWAY HEIGHT DETAIL

CAUSEWAY ACCESS TO PIER 1 AND PIERS 7 - 16

NOTES:

1. CASUEWAY IS NOT TO IMPEDE OVERBANK FLOW THROUGH THE FLOODWAY.
2. THE COST OF THE INSTALLATION AND REMOVAL OF CAUSEWAY SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE PROPOSED ITEMS TO BE CONSTRUCTED AND SHALL NOT BE PAID FOR SEPERATELY.

MODEL: $MODELNAME$
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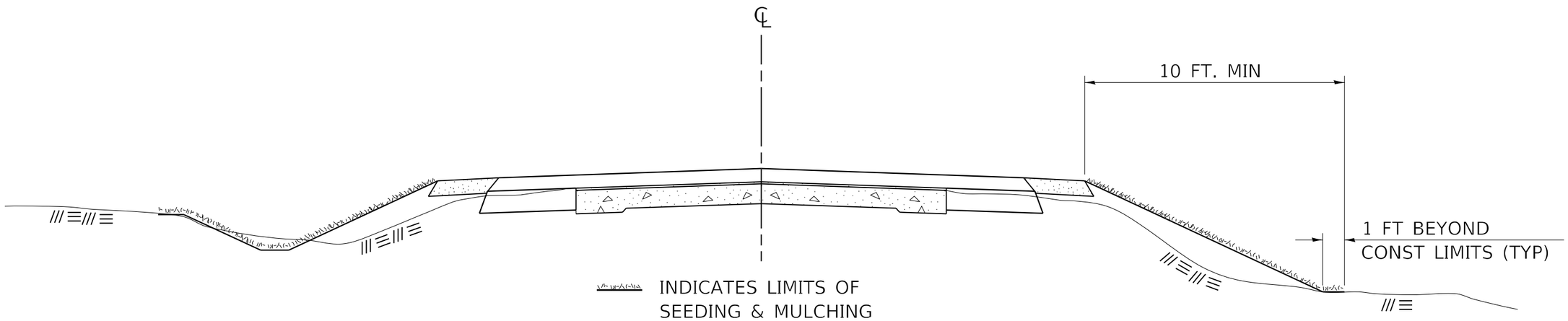
KNIGHT Engineers & Architects	USER NAME = USJS706126	DESIGNED - JS	REVISED - 10/26/2023	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RTA	REVISED -			64	(97-2) B-5	WHITE	578	469
	PLOT SCALE = 1:2.00008	CHECKED - JCM	REVISED -					CONTRACT NO. 78057		
	PLOT DATE = 10/25/2023	DATE - 08/11/2023	REVISED -		SCALE: SHEET D-2 OF 5 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER		

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 SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13
REVISED	10-21-21

STD. 9-12

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KNIGHT
Engineers & Architects

USER NAME = USJM706109	DESIGNED - JS	REVISED -
	DRAWN - RTA	REVISED -
PLOT SCALE = 1:2.00008	CHECKED - JCM	REVISED -
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -

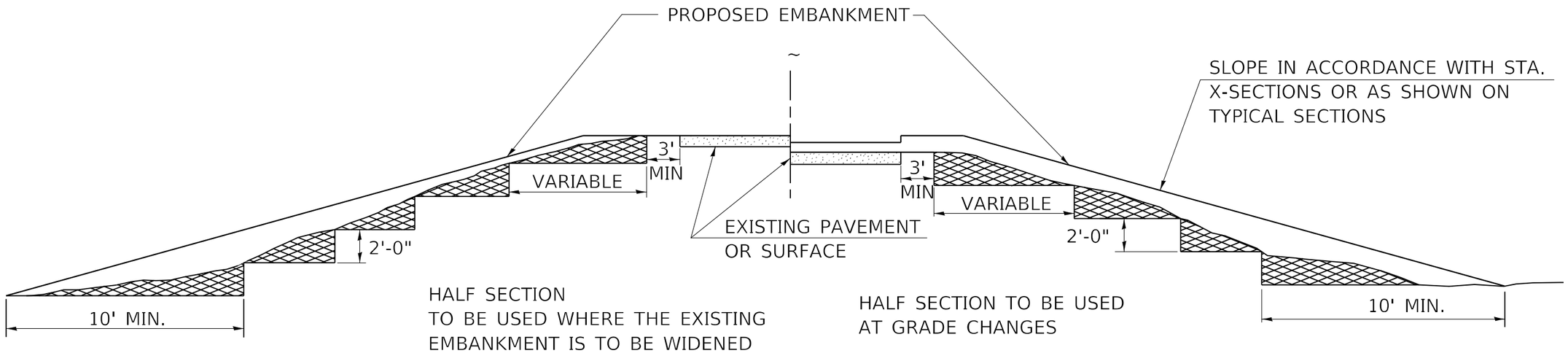
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 9 STANDARD 9-12
SEEDING & MULCHING

SCALE: | SHEET D-3 OF 5 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	470
		CONTRACT NO. 78057		
		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER	

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



STEPS SHALL BE CUT IN THE EXISTING SLOPE IN ACCORDANCE WITH ART. 205.03 EXCEPT THAT THE REQUIREMENT THAT STEPS SHALL BE CUT INTO THE EXISTING SLOPE BEFORE THE CONTRUCTION OF THE EXISTING EMBANKMENT IS STARTED SHALL NOT APPLY. MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

NOTE:

AFTER THE SLOPEWALL FOR THE EXISTING EAST ABUTMENTS IS REMOVED, THE PROPOSED EMBANKMENT SHALL BE PLACE IN ACCORDANCE WITH THIS STANDARD.

REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08
REVIEWED	5-17-13
REVISED	4-22-21
REVISED	10-21-21

STD. 9-16

MODEL: $MODELNAME$
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KNIGHT Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -
	DRAWN - RTA	REVISED -
PLOT SCALE = 1:2.00008	CHECKED - JCM	REVISED -
PLOT DATE = 8/24/2023	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 9 STANDARD 9-16
STEP CONSTRUCTION ON EXISTING FILL

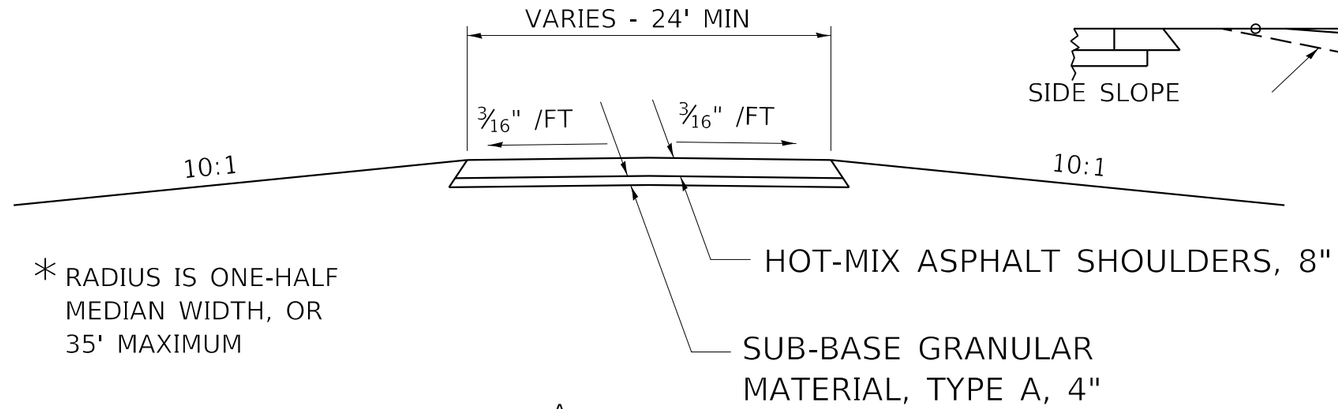
SCALE: | SHEET D-4 OF 5 SHEETS | STA. TO STA.

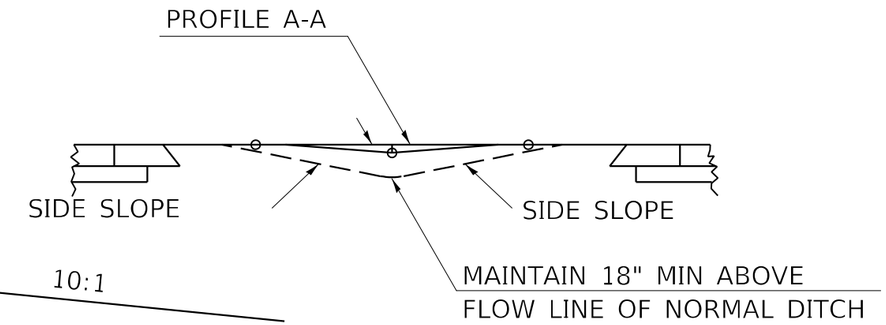
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	471

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER

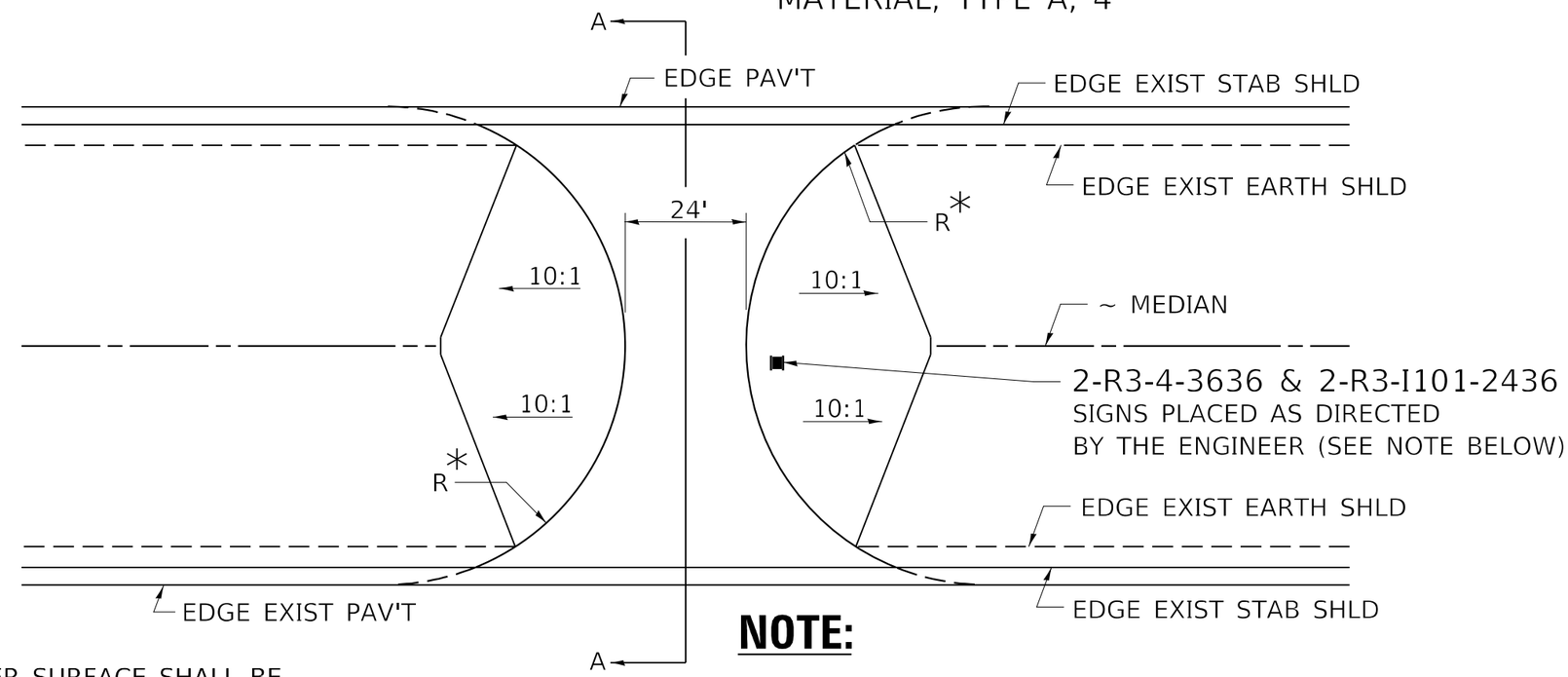
PROPOSED MEDIAN CROSSOVER





* RADIUS IS ONE-HALF MEDIAN WIDTH, OR 35' MAXIMUM

TO BE USED:



NOTE:

THE PROPOSED CROSSOVER SURFACE SHALL BE BUTTED TO THE EDGE OF THE EXISTING STABILIZED SHOULDER. SEE SHEET NO. __ FOR EARTHWORK SCHEDULE.

EARTHWORK SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.

NOTE:

THE SIGN ASSEMBLY FOR EACH LOCATION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "SIGN PANEL, TYPE 1". NEW SIGN SUPPORTS SHALL BE USED FOR THE SIGN ASSEMBLY AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR "TELESCOPING STEEL SIGN SUPPORT".

STD. 9-55

REVISIONS

DRAWN	8-30-89
REVISED	01-10-07
REVISED	3-26-08
REVISED	5-17-13
REVISED	10-21-21

MODEL: $MODELNAME$
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KNIGHT Engineers & Architects

USER NAME = USJM706109	DESIGNED - JS	REVISED -
	DRAWN - RTA	REVISED -
PLOT SCALE = 1:2.00008	CHECKED - JCM	REVISED -
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

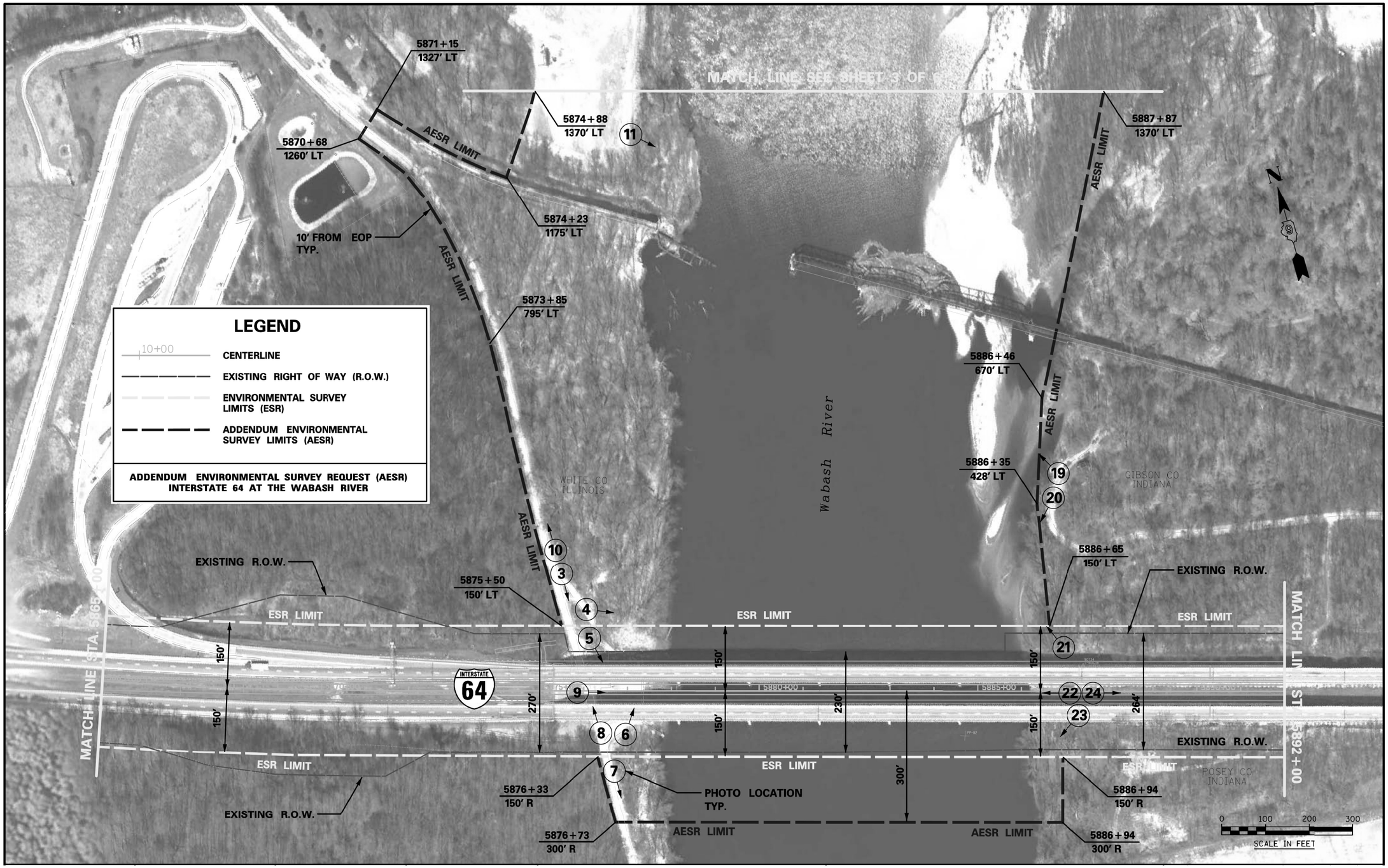
DISTRICT 9 STANDARD 9-55
PROPOSED MEDIAN CROSSOVER

SCALE: SHEET D-5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	472

CONTRACT NO. 78057

ILLINOIS FED. AID PROJECT FAI 64/WABASH RIVER



FOR INFORMATION ONLY

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KNIGHT
Engineers & Architects

USER NAME = USJM706109	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:2.00004	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

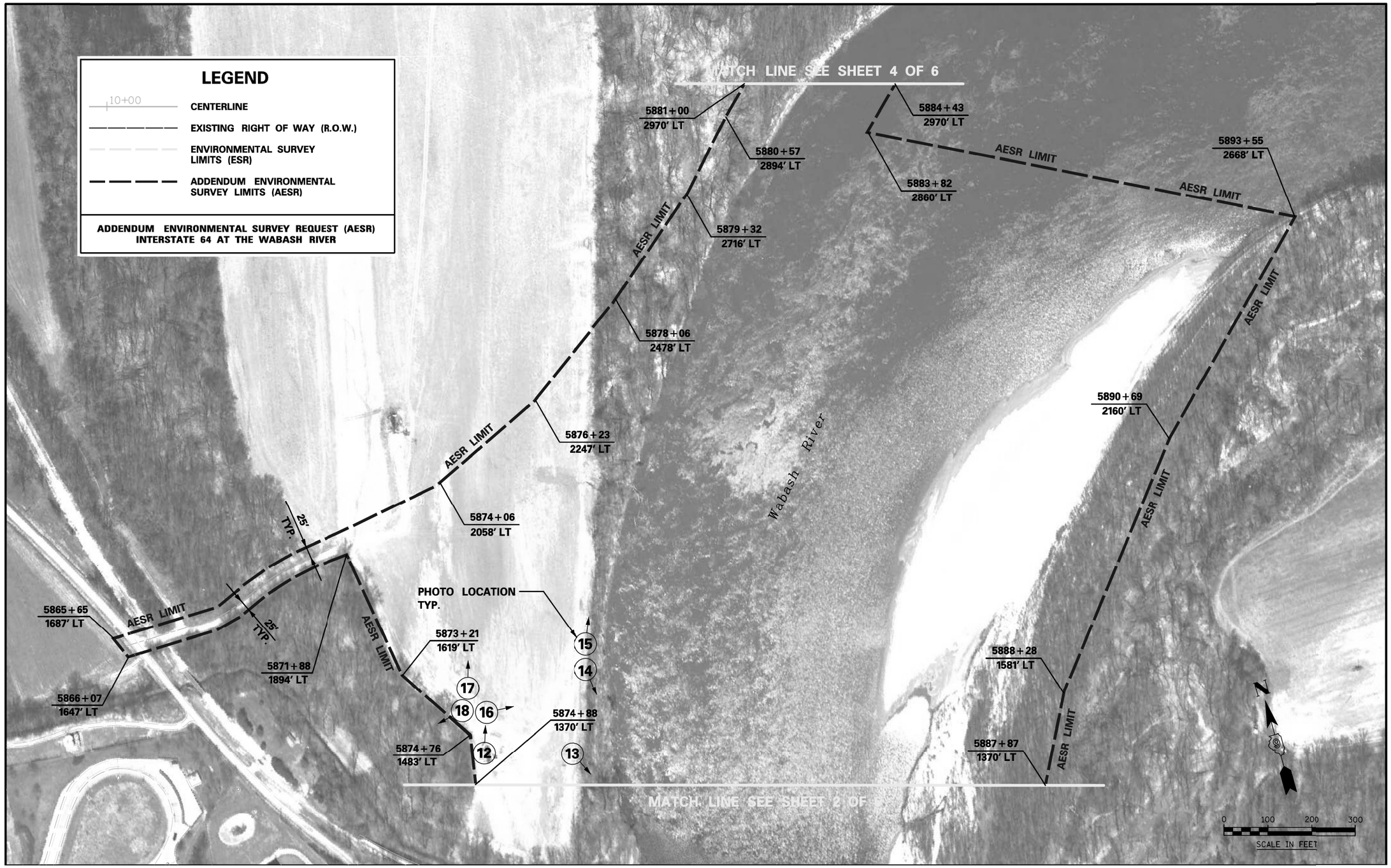
AESR LIMITS

SCALE: | SHEET ESR-1 OF 3 SHEETS | STA. 5865+00 TO STA. 5892+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	473

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



FOR INFORMATION ONLY

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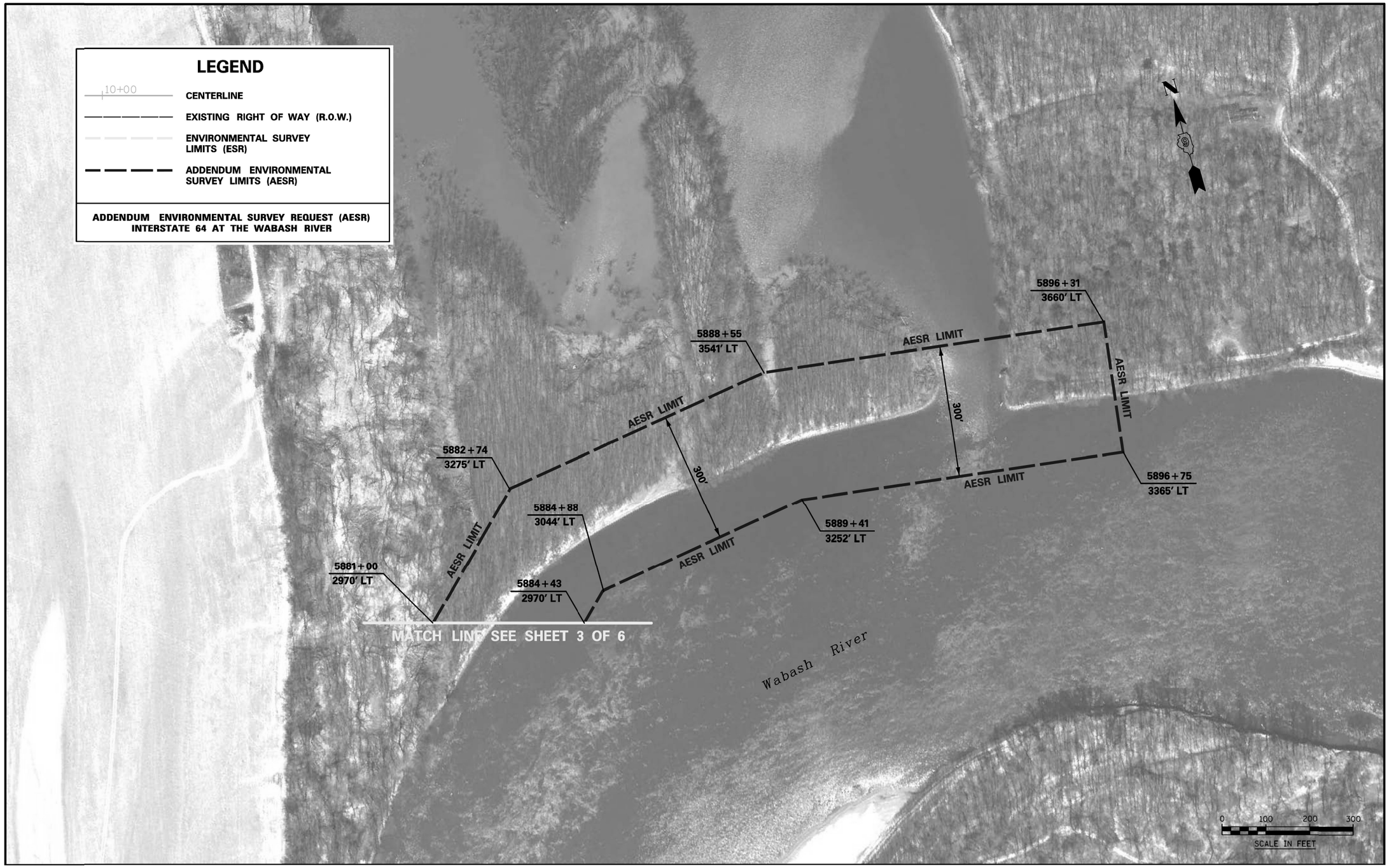
KNIGHT Engineers & Architects	USER NAME = USJM706109	DESIGNED - JS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AESR LIMITS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RTA	REVISED -			64	(97-2) B-5	WHITE	578	474
	PLOT SCALE = 1:2.00004	CHECKED - JCM	REVISED -					CONTRACT NO. 78057		
	PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -		SCALE: SHEET ESR-2 OF 3 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER		



FOR INFORMATION ONLY

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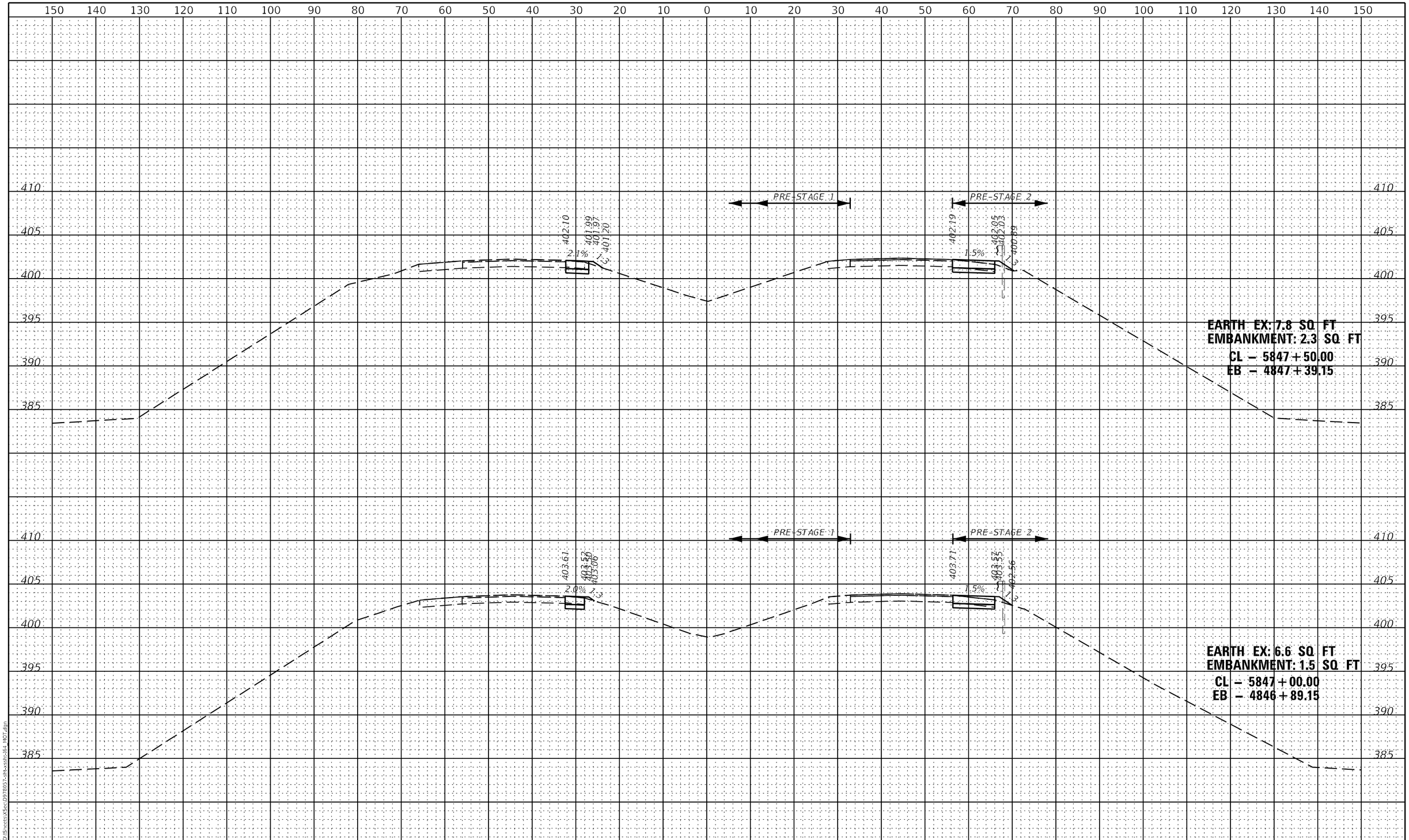
KNIGHT Engineers & Architects	USER NAME = USJM706109	DESIGNED - JS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AESR LIMITS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - RTA	REVISED -			64	(97-2) B-5	WHITE	578 / 475
	PLOT SCALE = 1:2.00004	CHECKED - JCM	REVISED -					CONTRACT NO. 78057	
	PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -		SCALE: SHEET ESR-3 OF 3 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER	



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

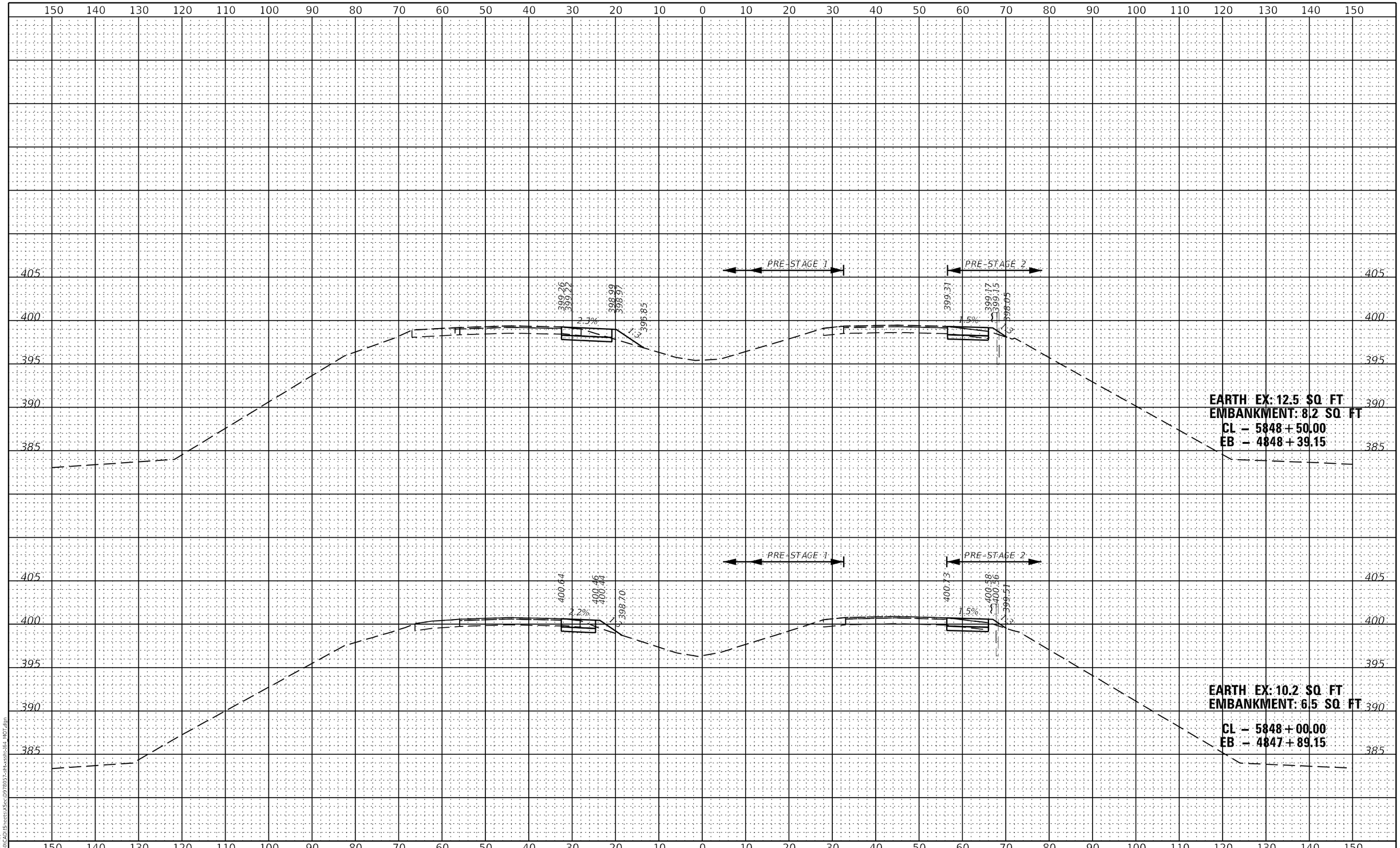
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-1 OF 50 SHEETS | STA. 5847+00.00 TO STA. 5847+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	476

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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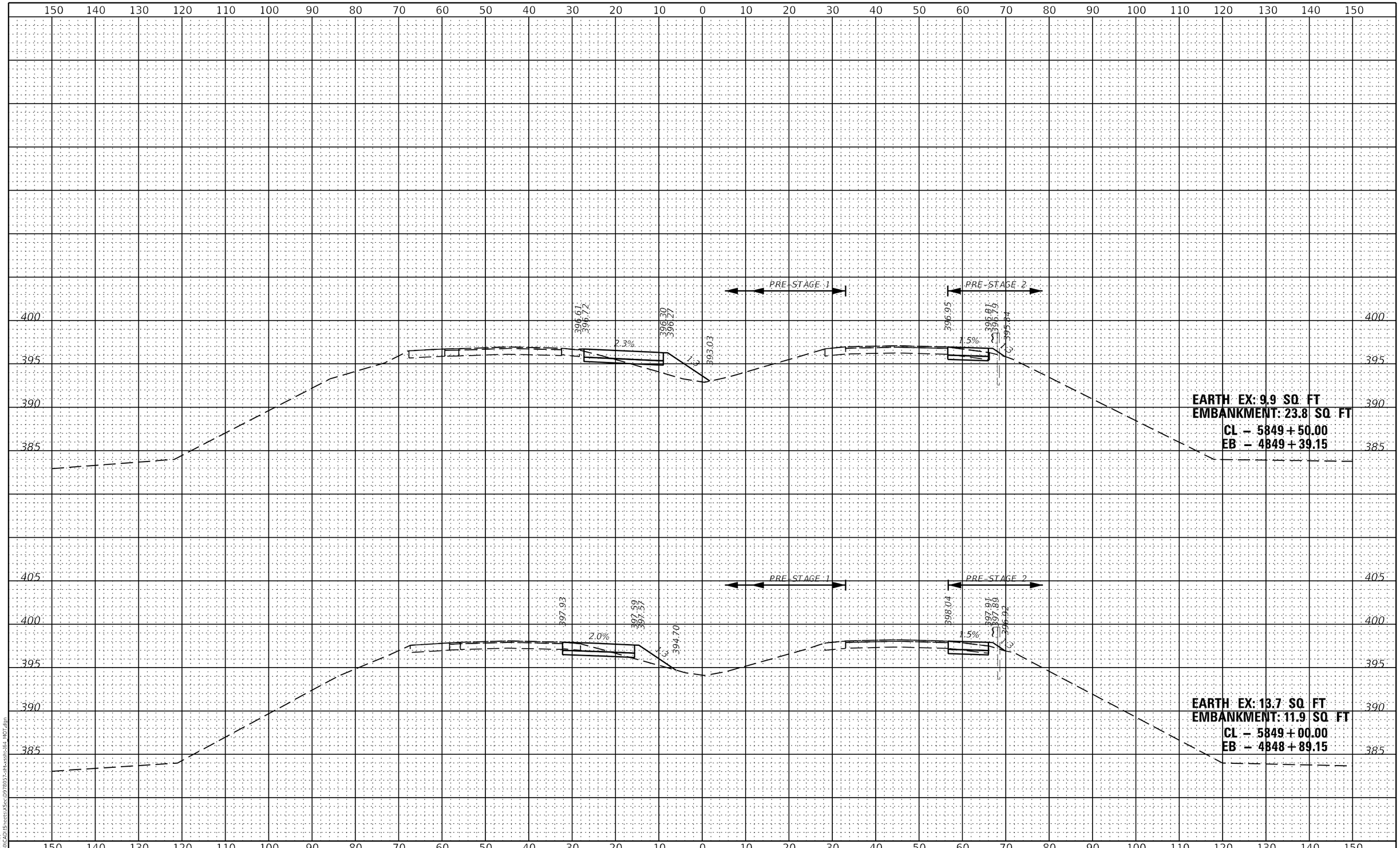
KNIGHT Engineers & Architects	USER NAME = USRA706046	DESIGNED - JS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSTATE 64 PRESTAGE CROSS SECTIONS
		DRAWN - RTA	REVISED -		
	PLOT SCALE = 1:20	CHECKED - JCM	REVISED -		
	PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -		SCALE: SHEET PXS-2 OF 50 SHEETS STA. 5848+00.00 TO STA. 5848+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	477
		CONTRACT NO. 78057		
		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER	



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KNIGHT
Engineers & Architects

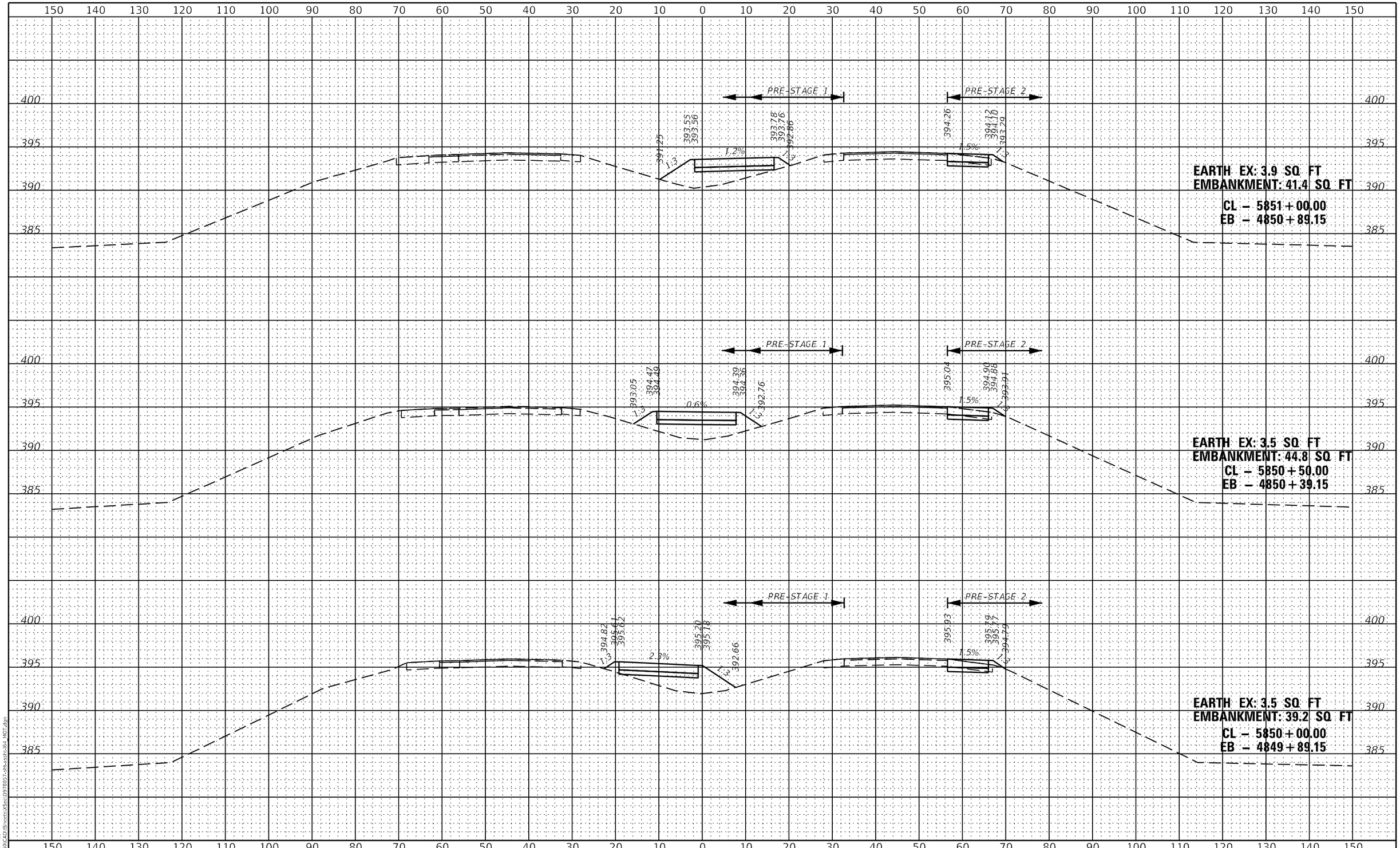
USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-3 OF 50 SHEETS | STA. 5849+00.00 TO STA. 5849+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	478
		CONTRACT NO. 78057		
		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER	



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KNIGHT
Engineers & Architects

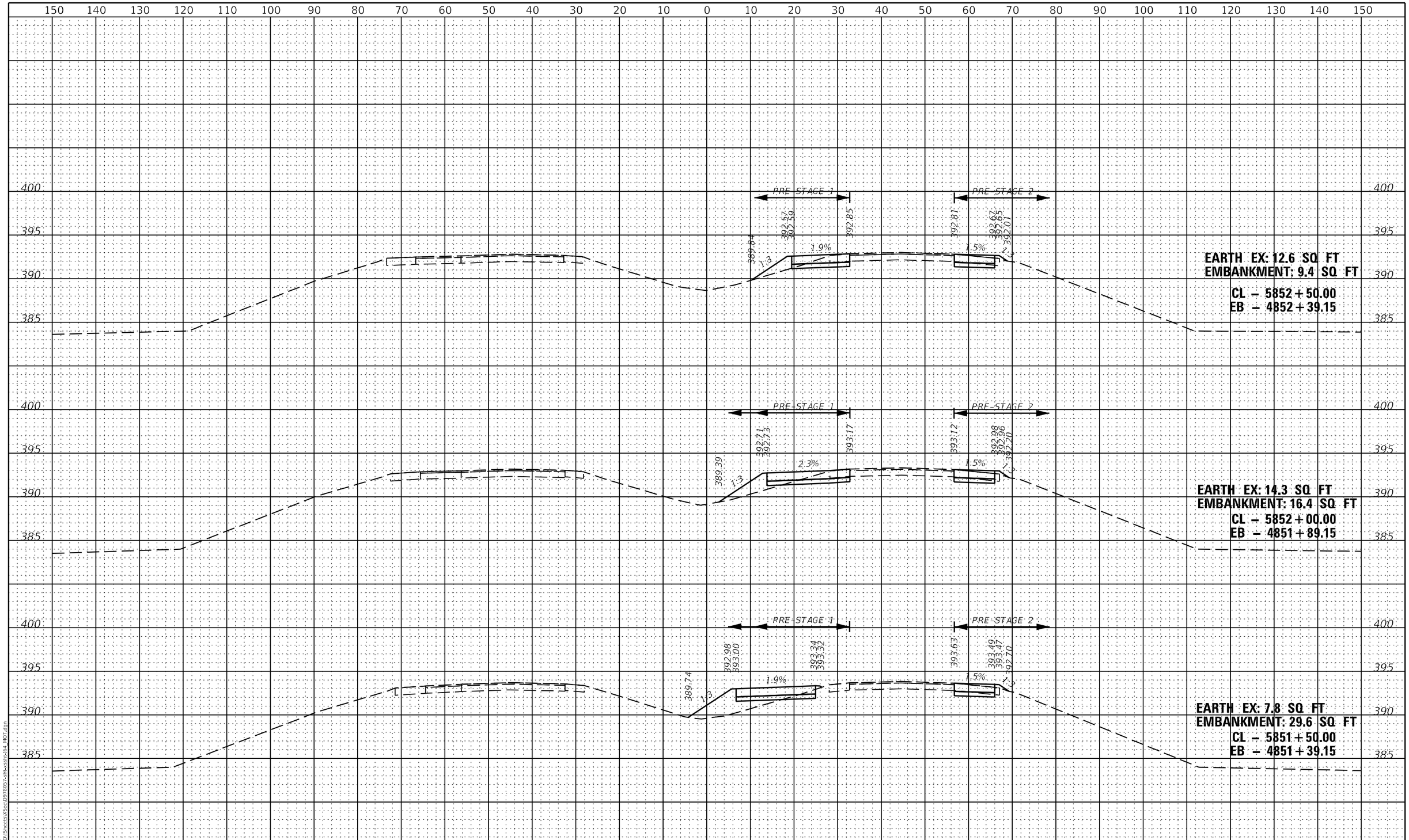
USER NAME = USRA706046	DESIGNED - JS	REVISED -
	DRAWN - RTA	REVISED -
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-4 OF 50 SHEETS | STA. 5850+00.00 TO STA. 5851+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	479
		CONTRACT NO. 78057		
		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER	



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KNIGHT
Engineers & Architects

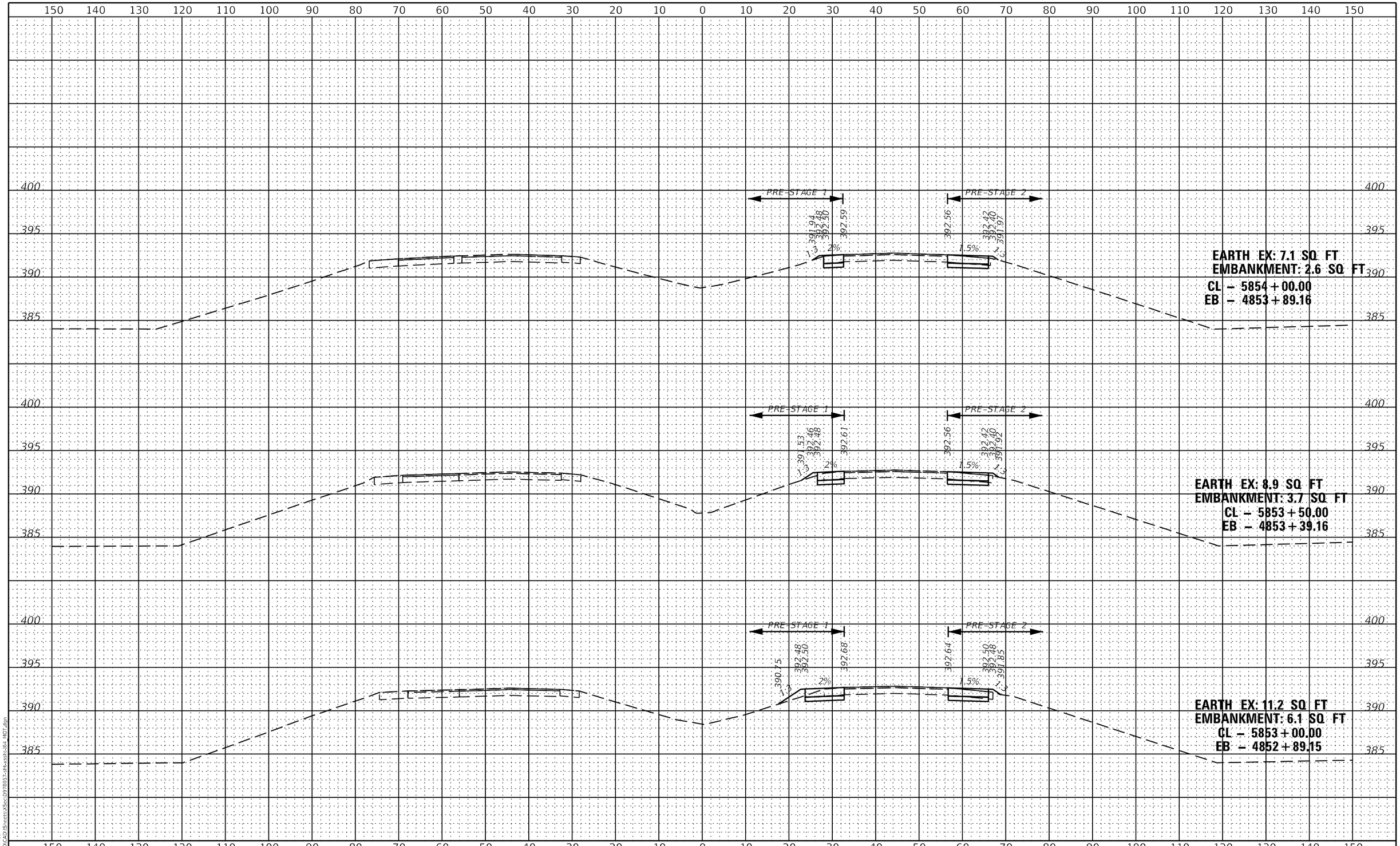
USER NAME = USRA706046	DESIGNED - JS	REVISED -
	DRAWN - RTA	REVISED -
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-5 OF 50 SHEETS | STA. 5851+50.00 TO STA. 5852+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	480
		CONTRACT NO. 78057		
		ILLINOIS	FED. AID PROJECT	FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

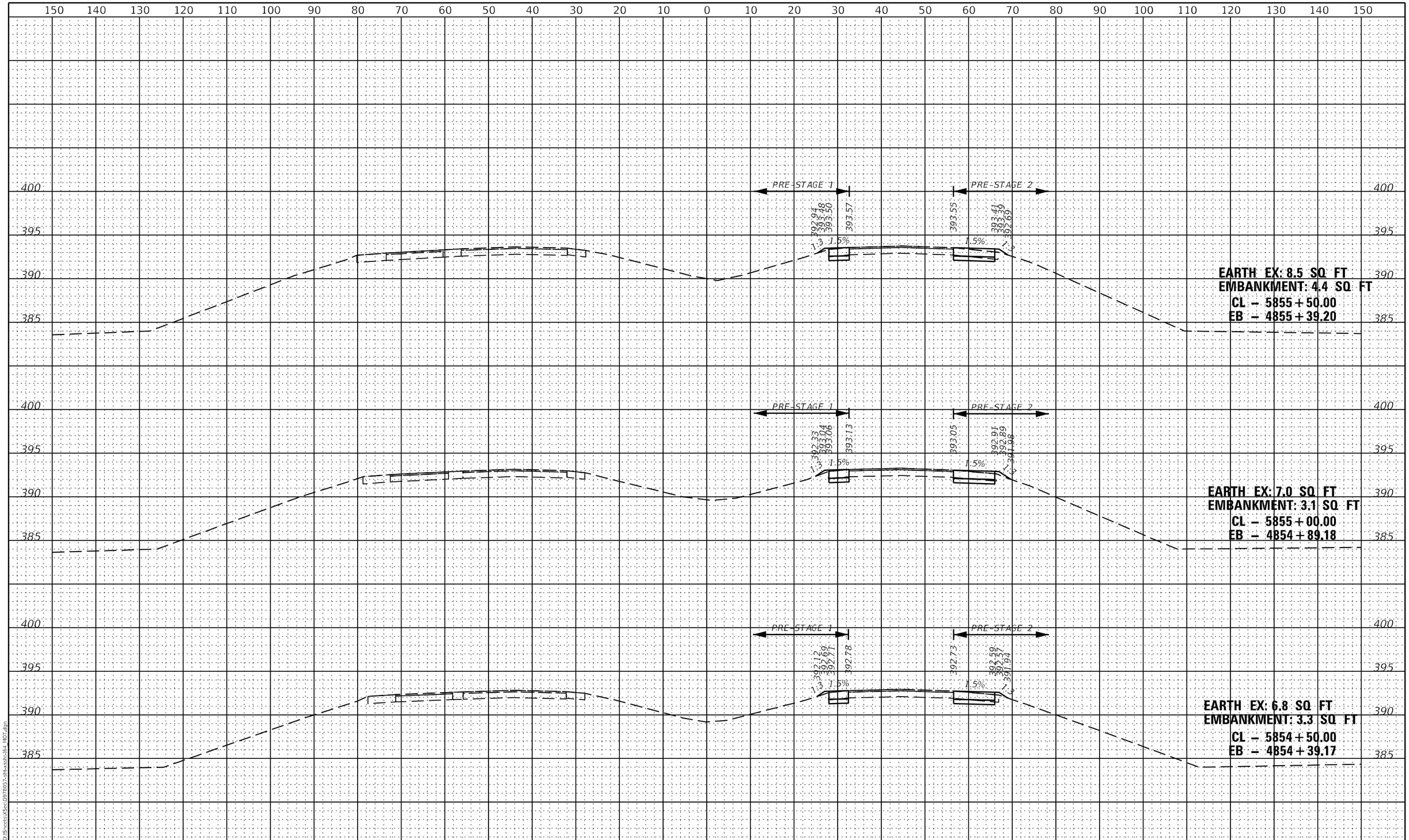
USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-6 OF 50 SHEETS | STA. 5853+00.00 TO STA. 5854+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	481
		CONTRACT NO. 78057		
		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER	



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -
	DRAWN - RTA	REVISED -
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

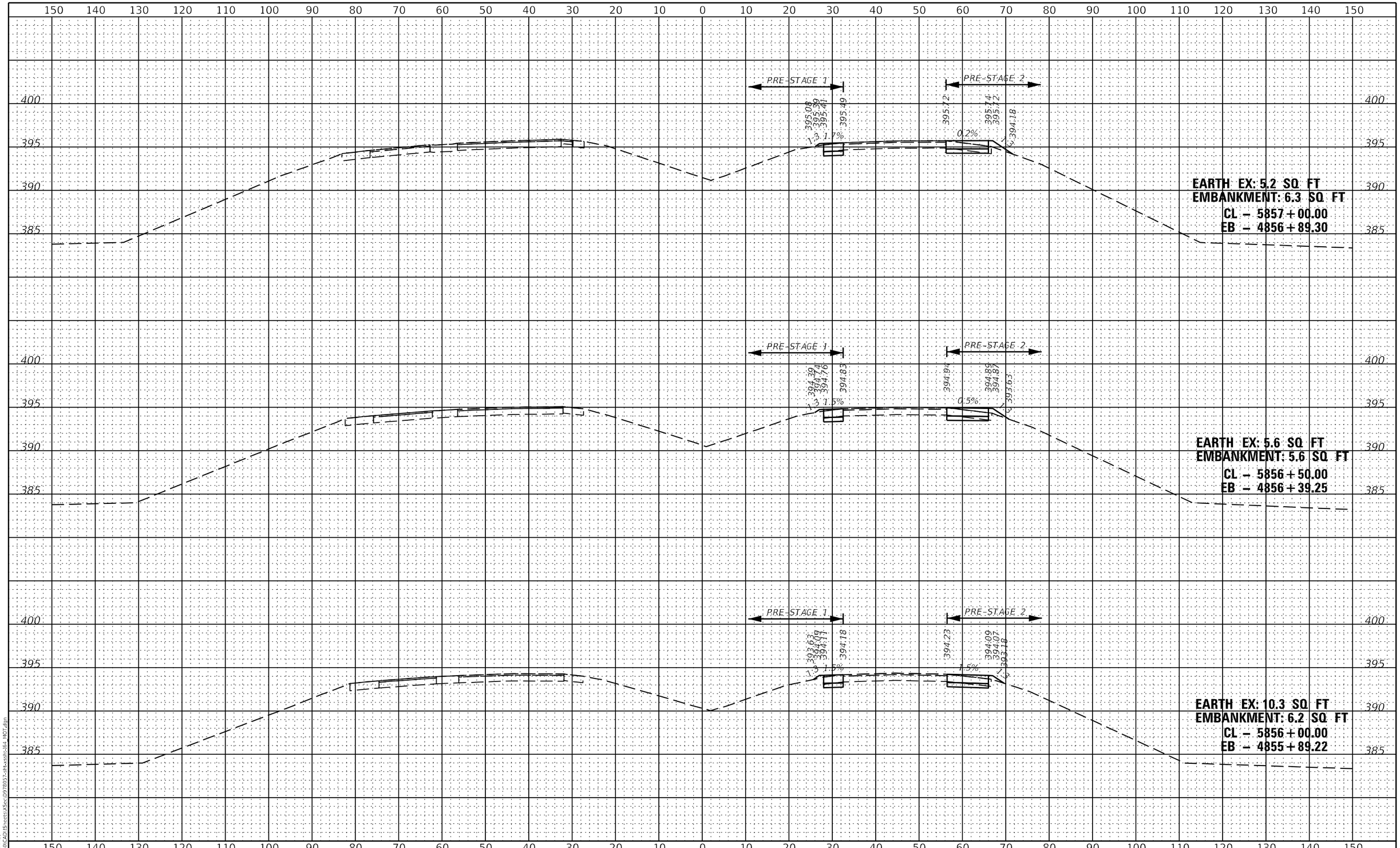
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-7 OF 50 SHEETS | STA. 5854+50.00 TO STA. 5855+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	482

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

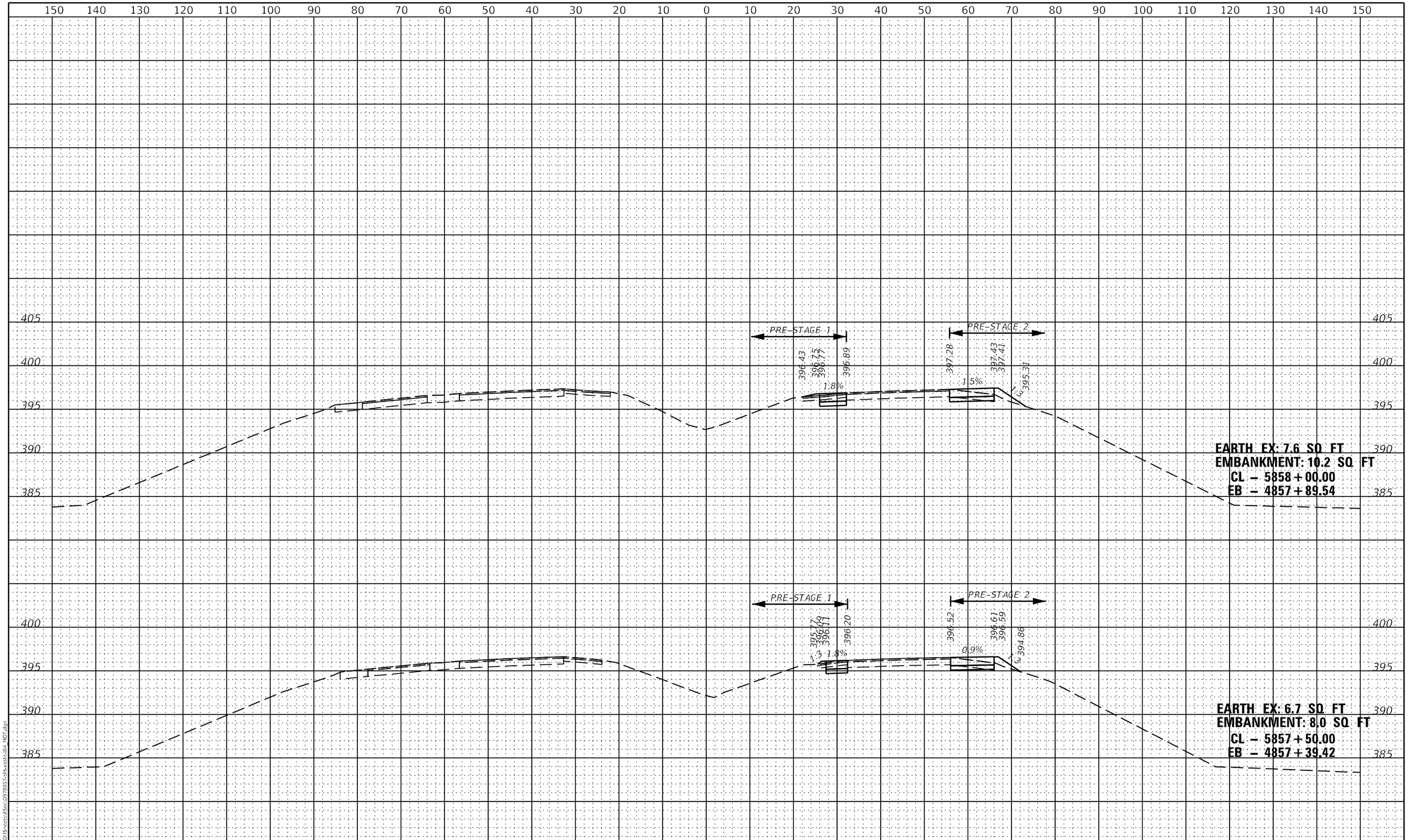
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-8 OF 50 SHEETS | STA. 5856+00.00 TO STA. 5857+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	483

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -
	DRAWN - RTA	REVISED -
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

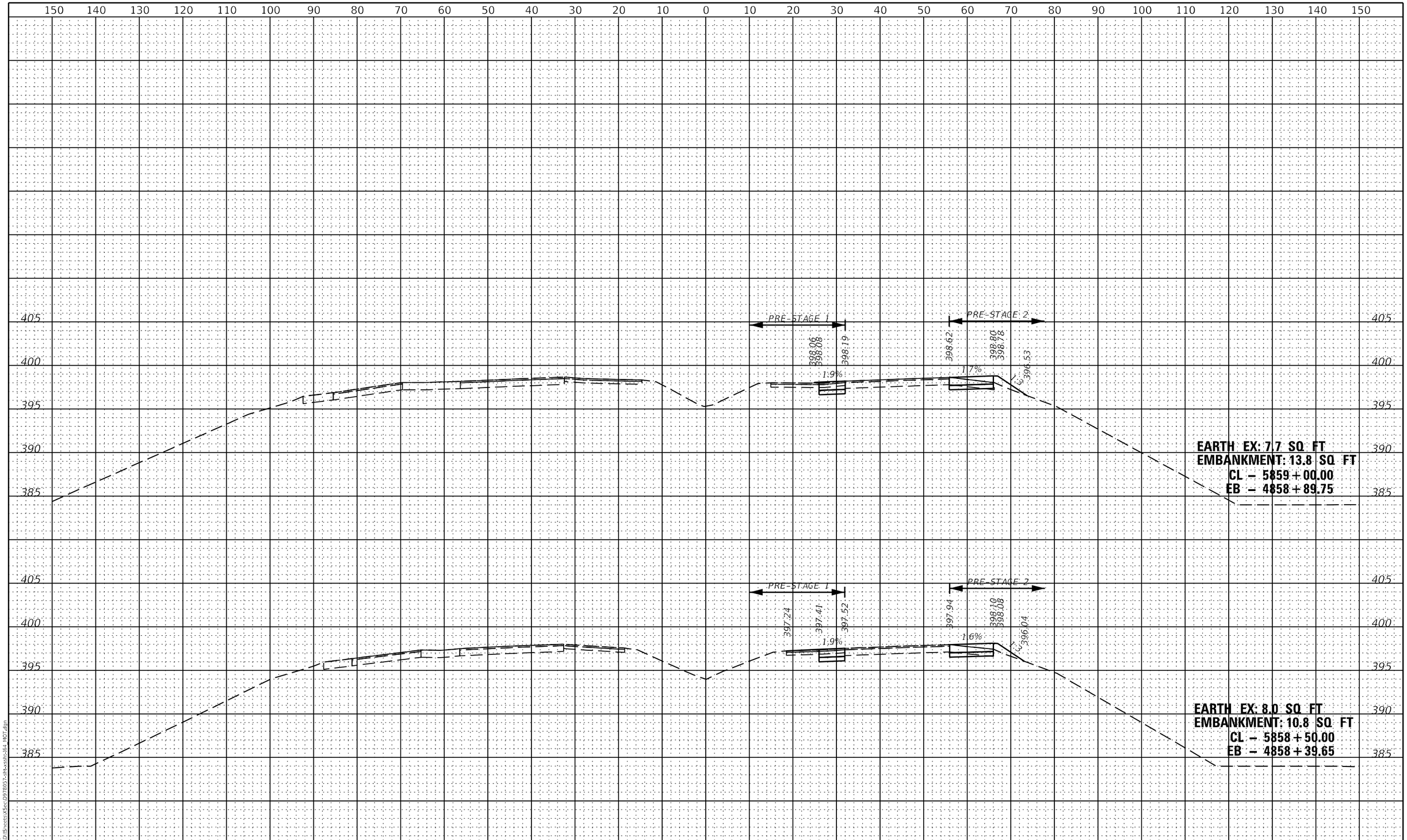
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-9 OF 50 SHEETS | STA. 5857+50.00 TO STA. 5858+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	484

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

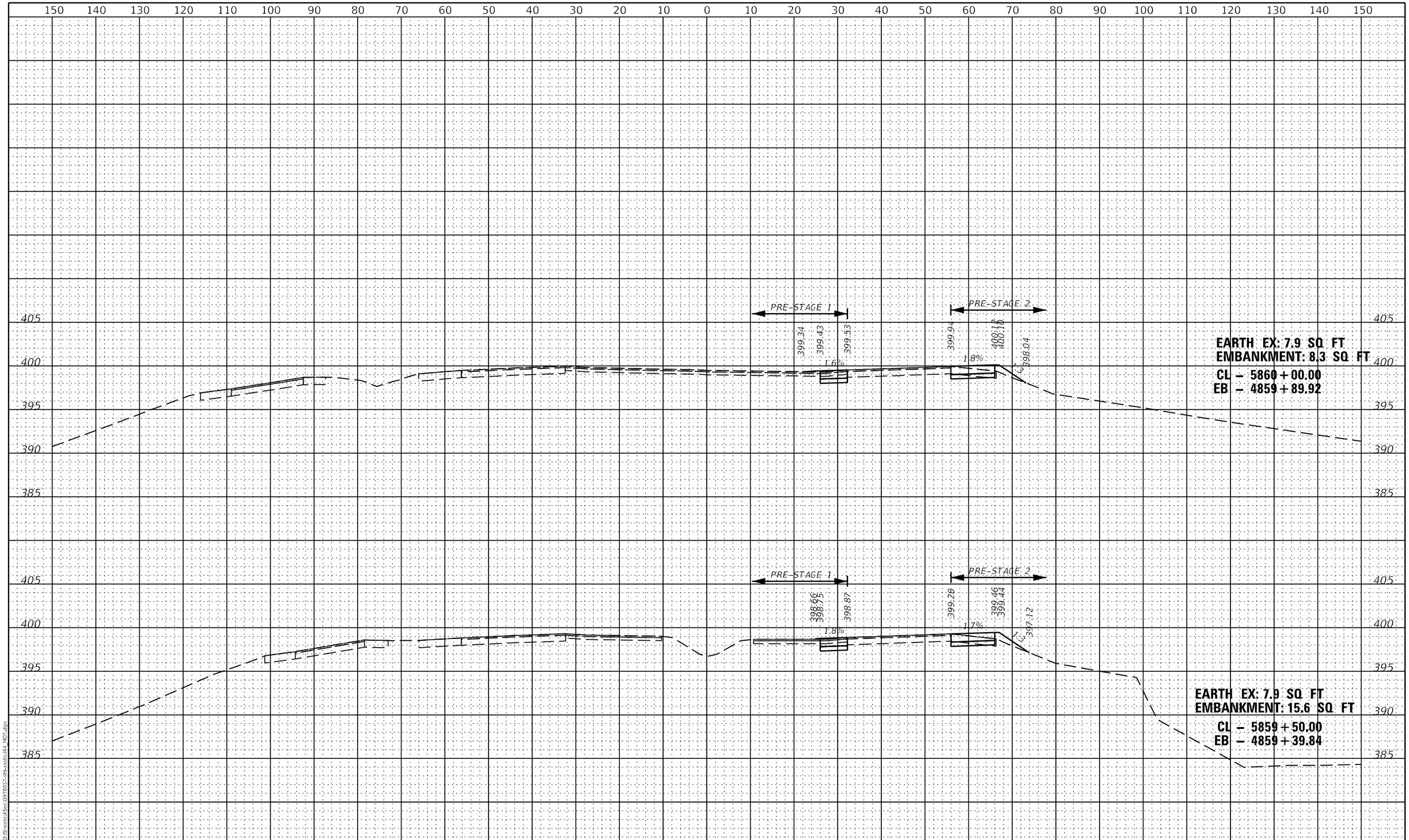
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-10 OF 50 SHEETS | STA. 5858+50.00 TO STA. 5859+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	485

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

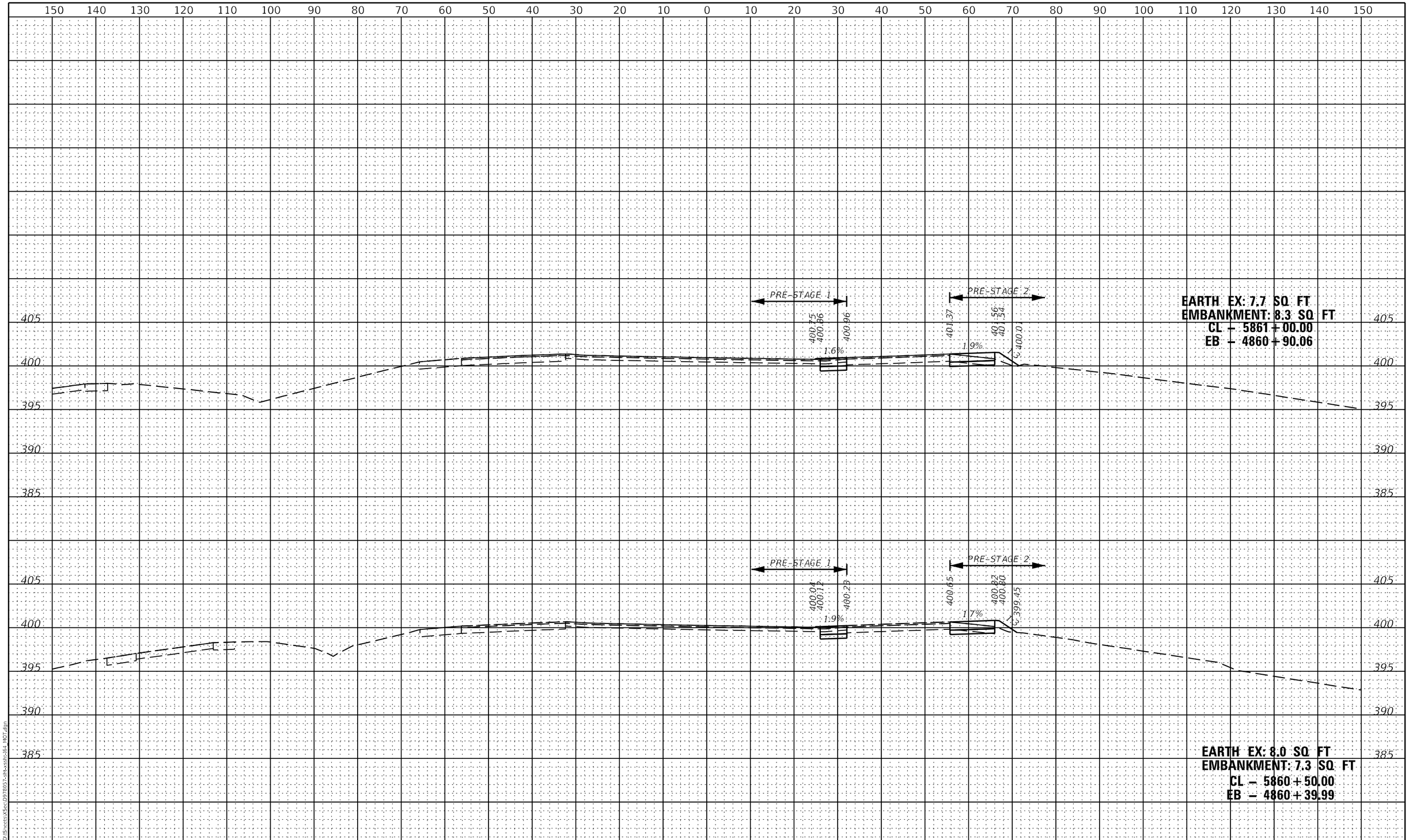
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-11 OF 50 SHEETS | STA. 5859+50.00 TO STA. 5860+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	486

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
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PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

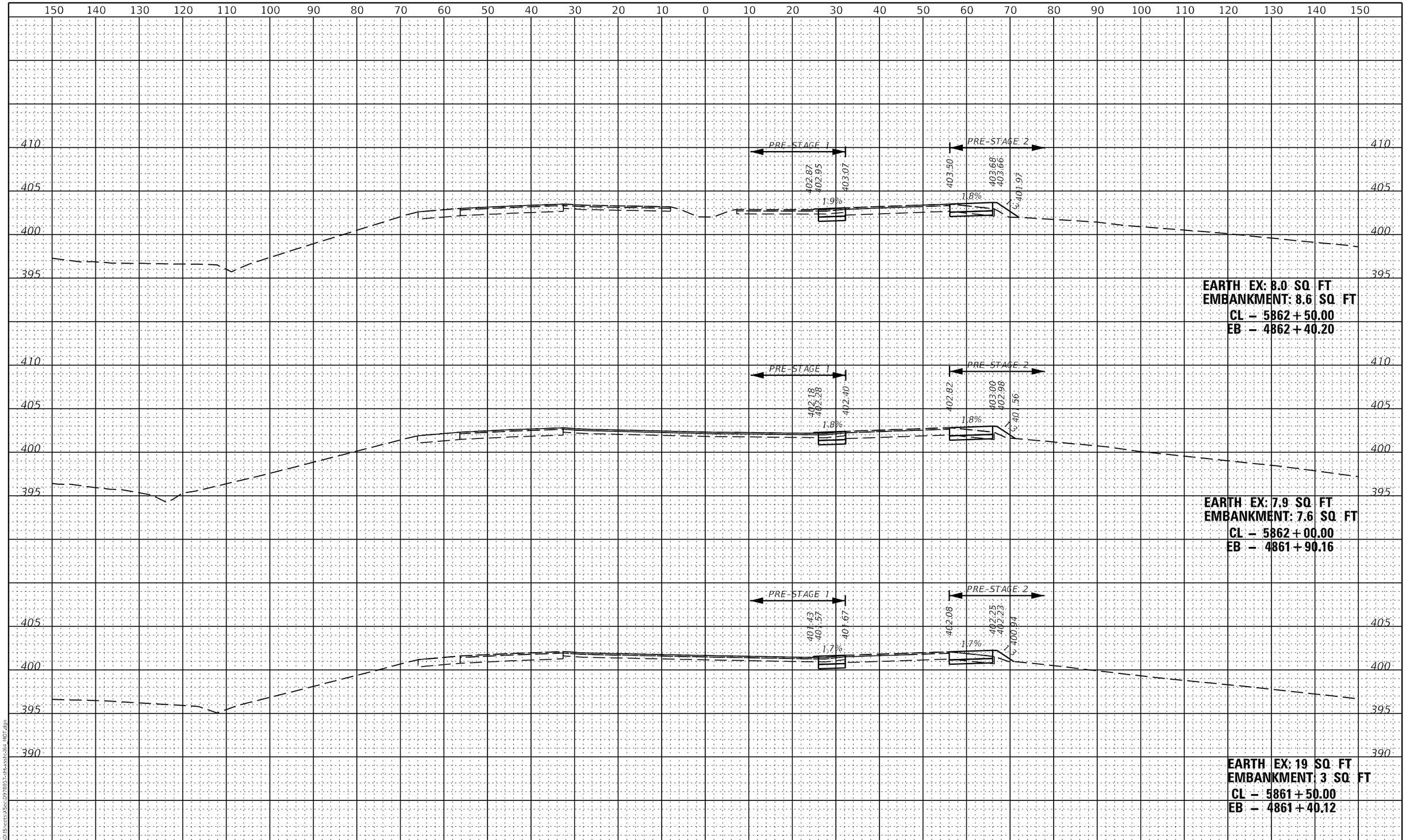
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-12 OF 50 SHEETS | STA. 5860+50.00 TO STA. 5861+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	487

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

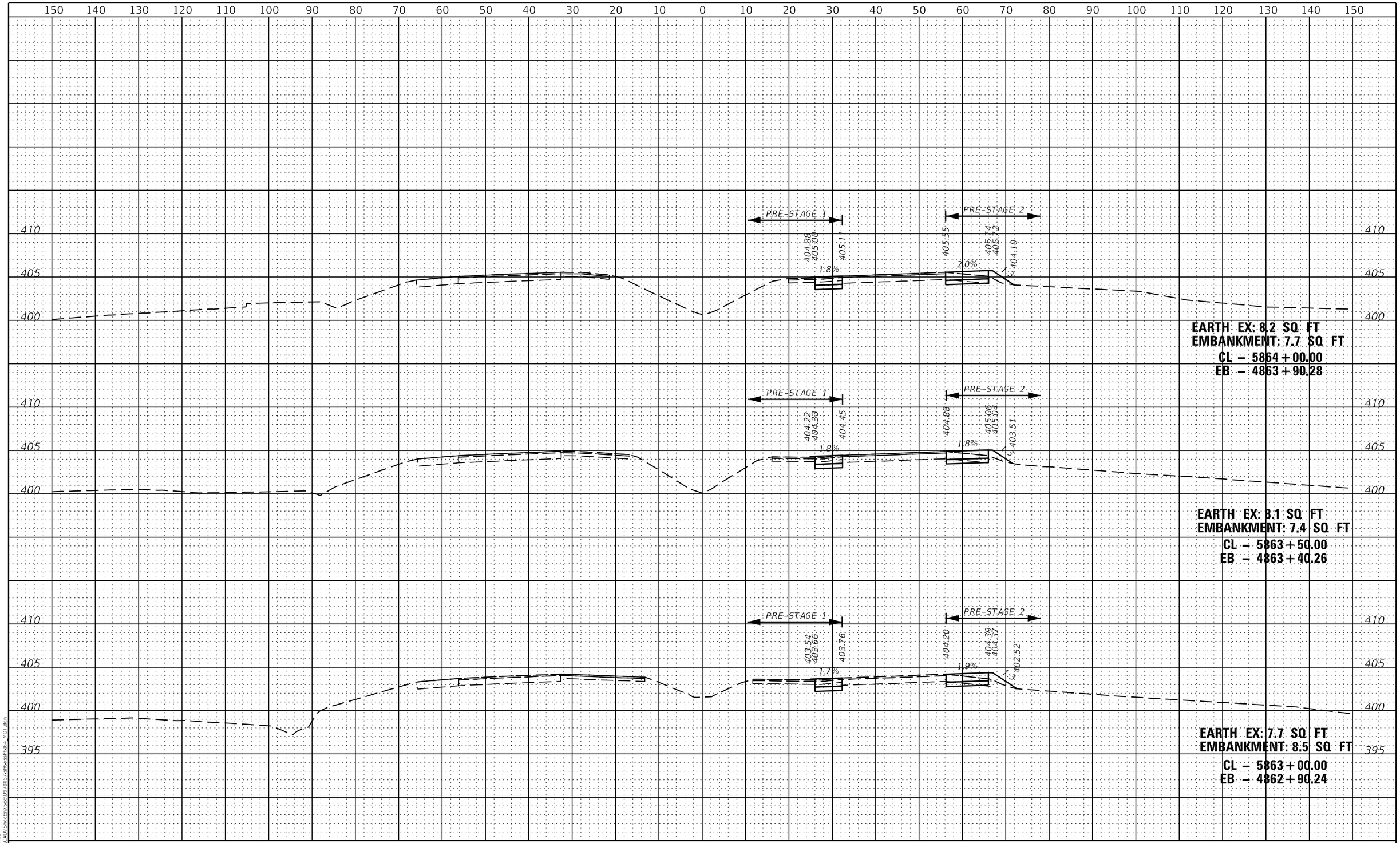
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-13 OF 50 SHEETS | STA. 5861+50.00 TO STA. 5862+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	488

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

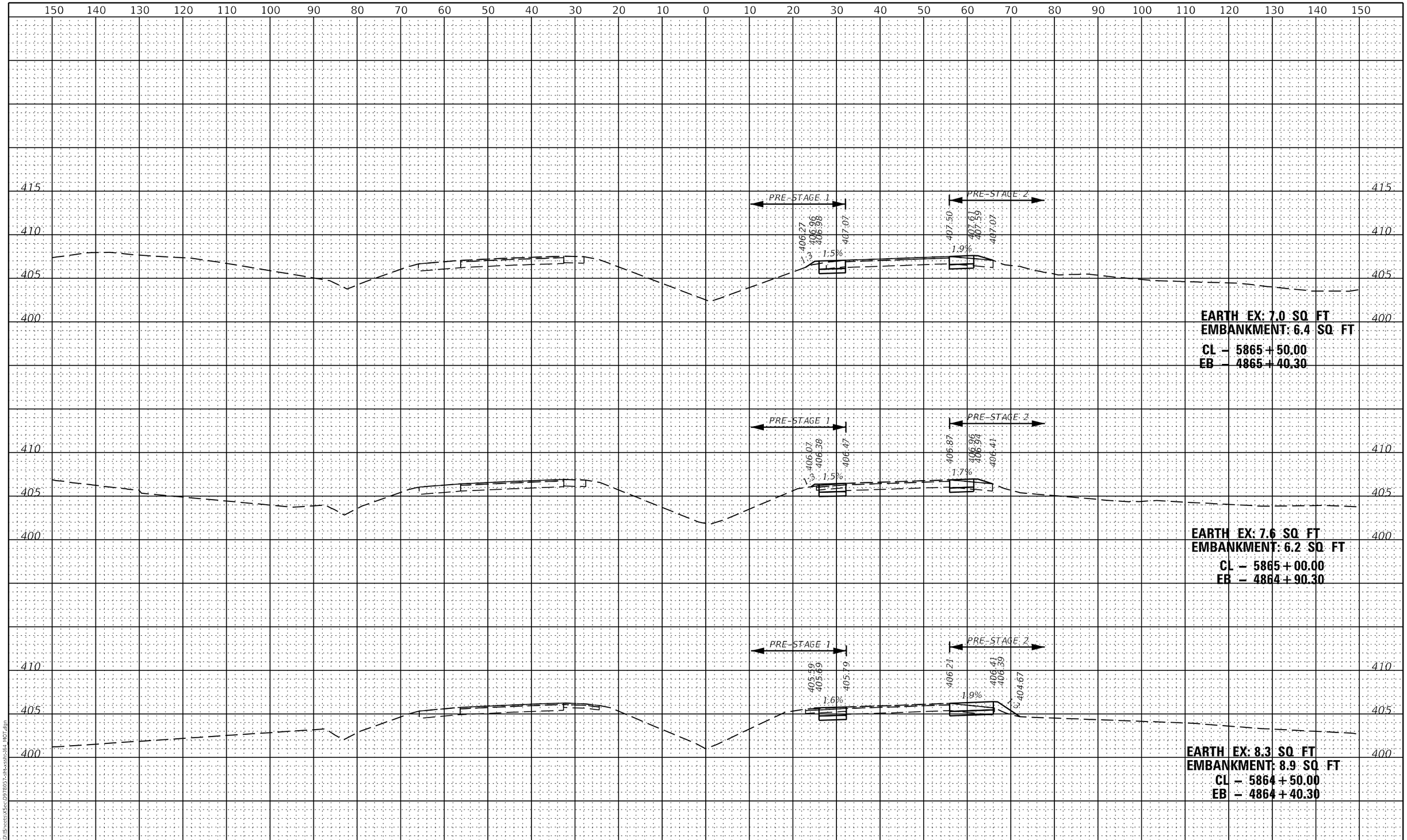
USER NAME = USRA706046	DESIGNED - JS	REVISED -
	DRAWN - RTA	REVISED -
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-14 OF 50 SHEETS | STA. 5863+00.00 TO STA. 5864+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	489
		CONTRACT NO. 78057		
		ILLINOIS FED. AID PROJECT FAI 64/WABASH RIVER		



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KNIGHT
Engineers & Architects

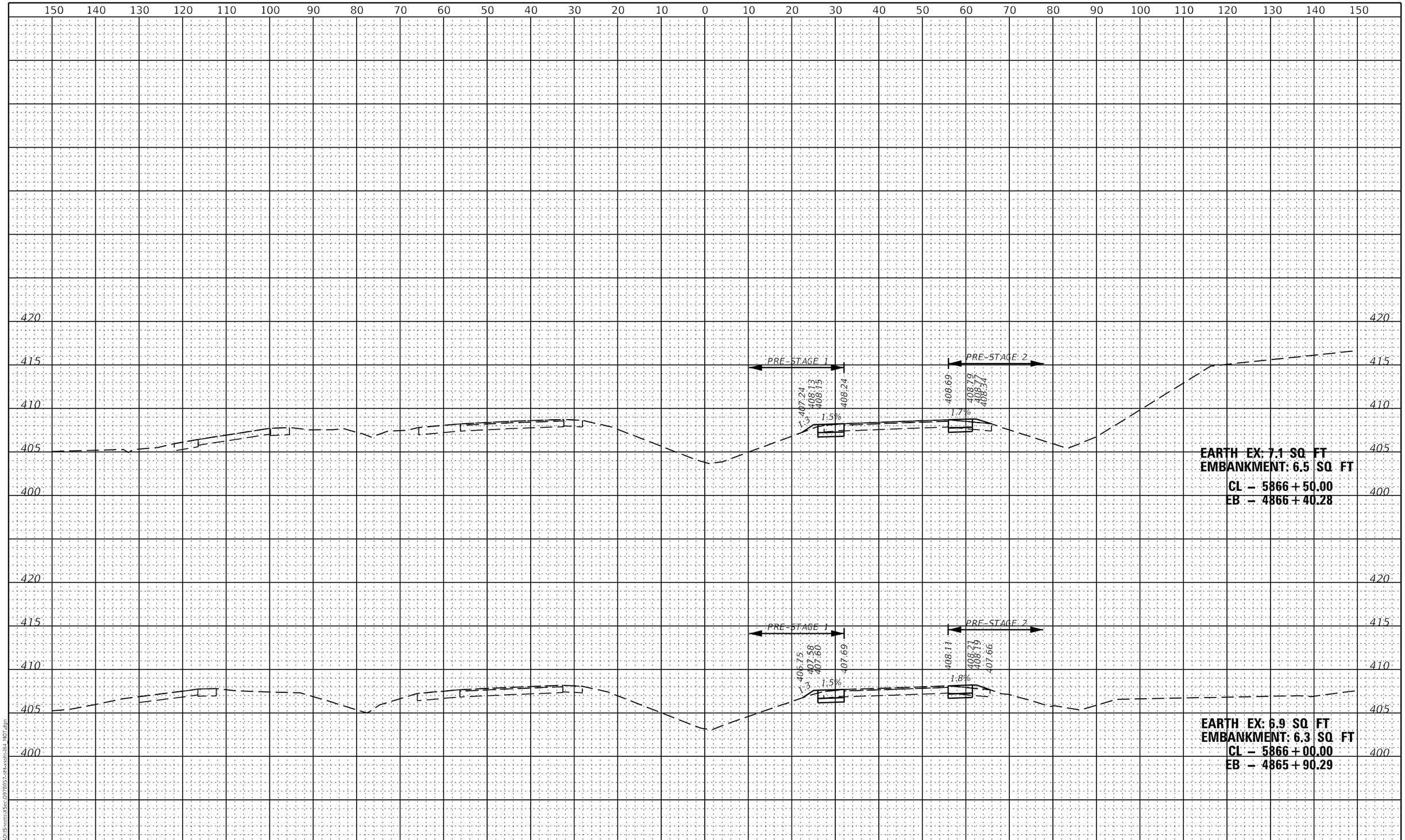
USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-15 OF 50 SHEETS | STA. 5864+50.00 TO STA. 5865+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	490
		CONTRACT NO. 78057		
		ILLINOIS FED. AID PROJECT FAI 64/WABASH RIVER		



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KNIGHT
Engineers & Architects

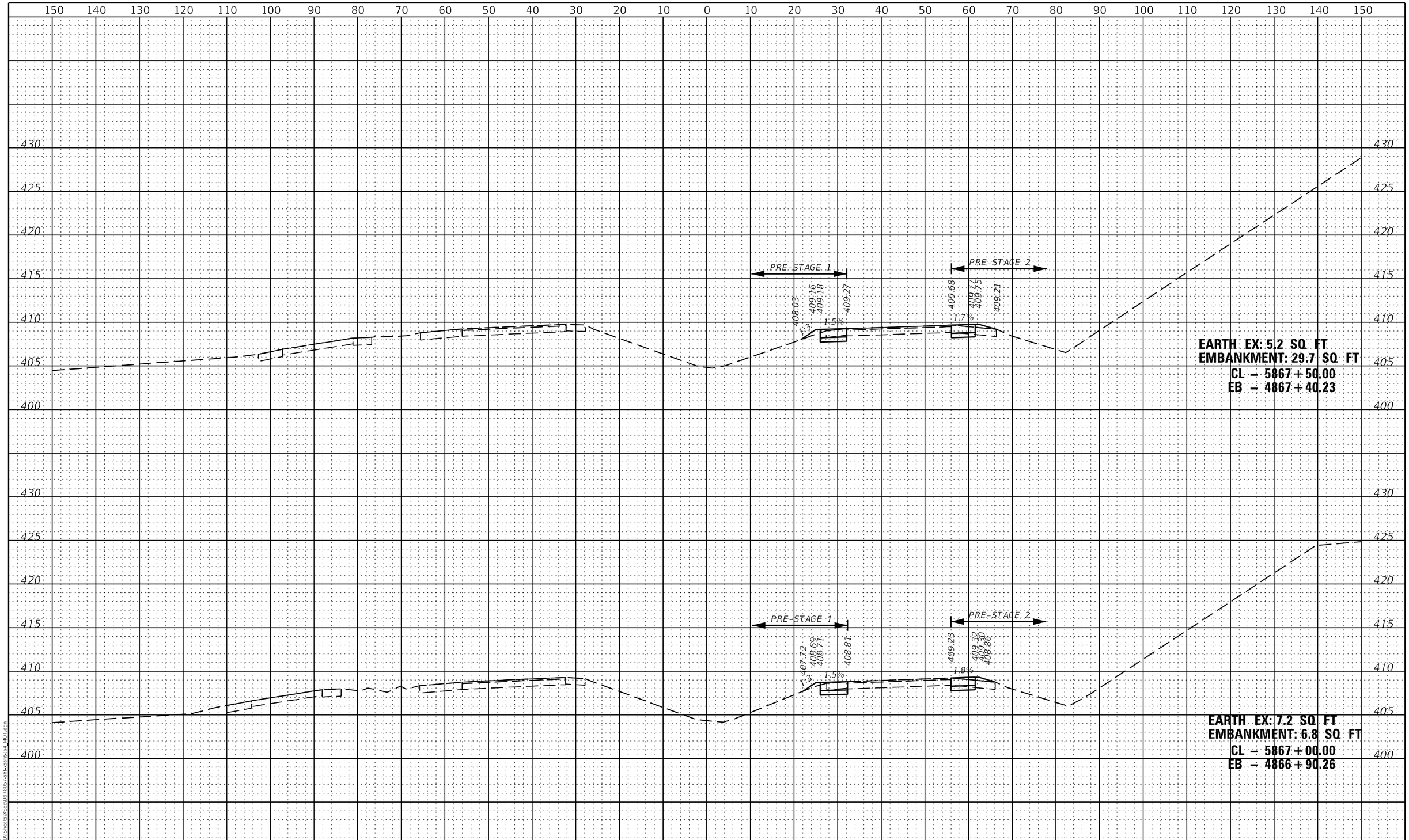
USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-16 OF 50 SHEETS | STA. 5866+00.00 TO STA. 5866+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	491
		CONTRACT NO. 78057		
		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER	



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

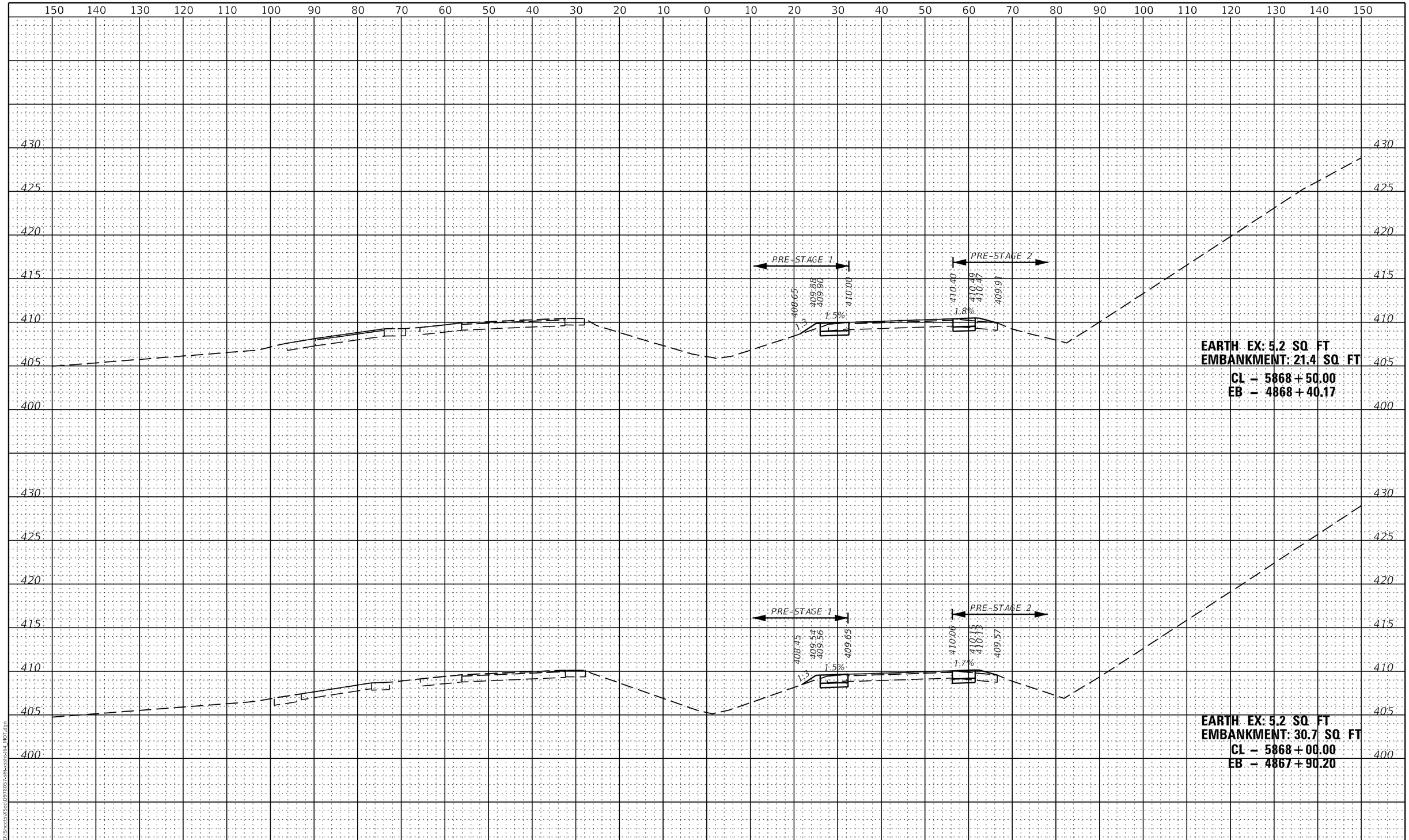
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-17 OF 50 SHEETS | STA. 5867+00.00 TO STA. 5867+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	492

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
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PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

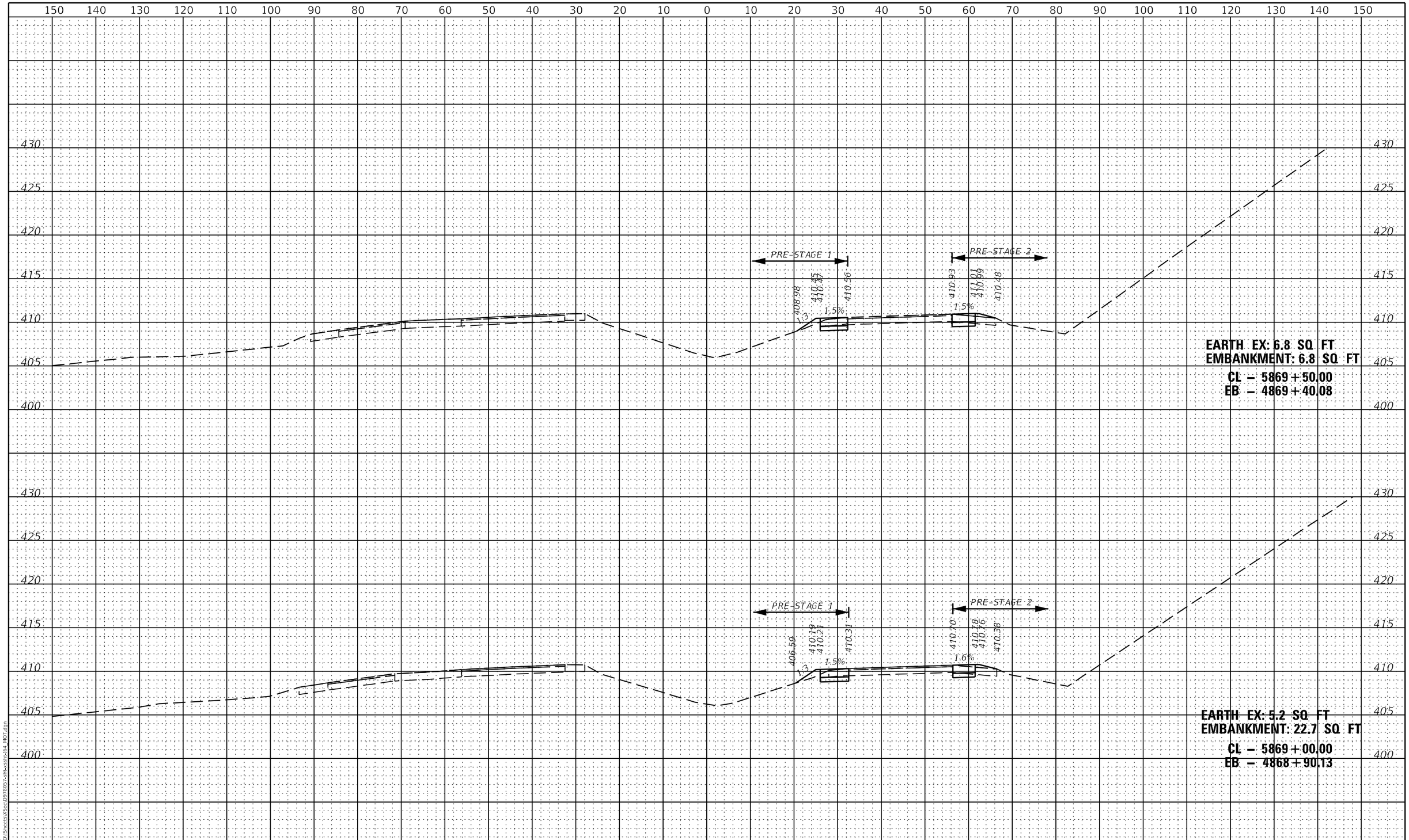
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-18 OF 50 SHEETS | STA. 5868+00.00 TO STA. 5868+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	493

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

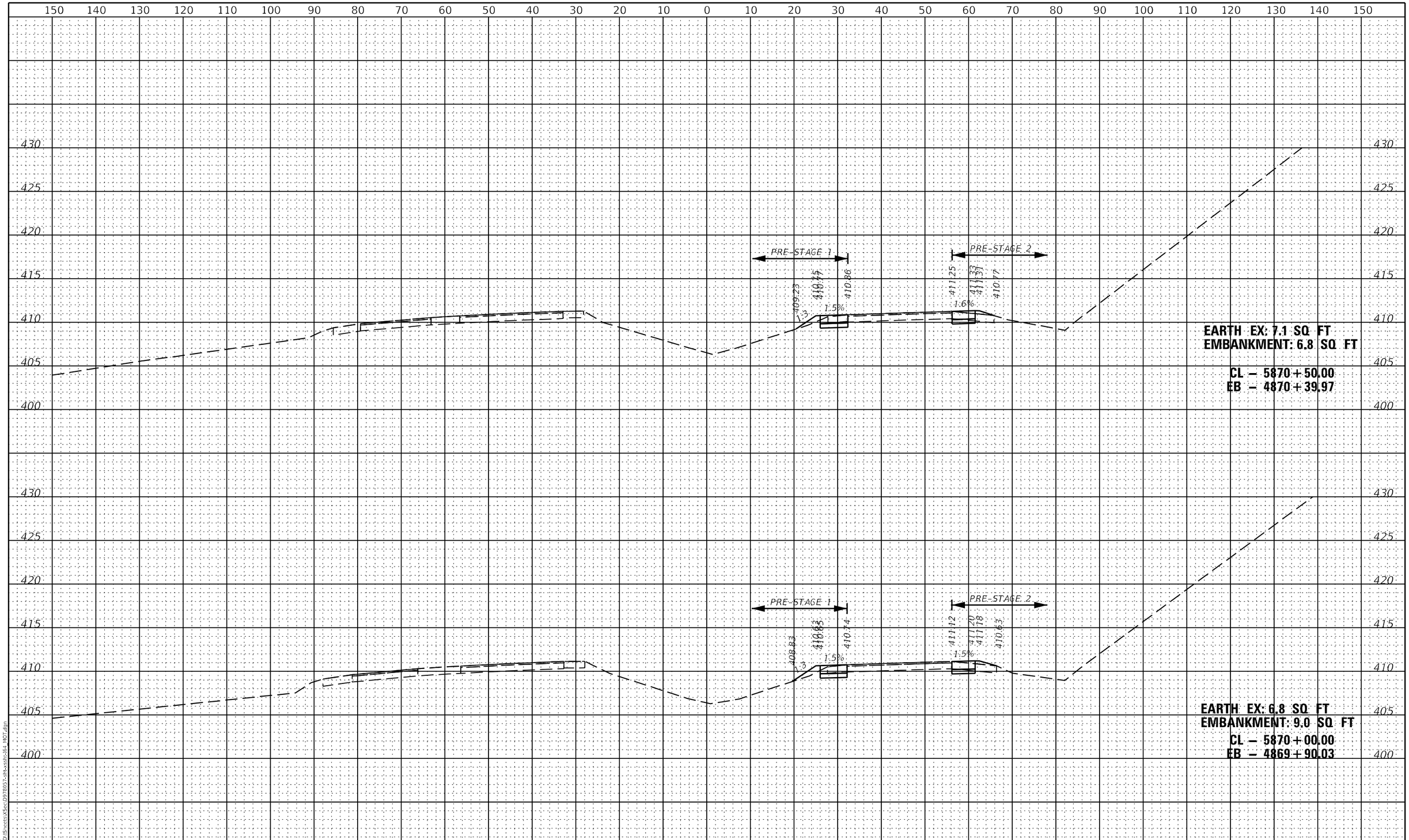
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-19 OF 50 SHEETS | STA. 5869+00.00 TO STA. 5869+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	494

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

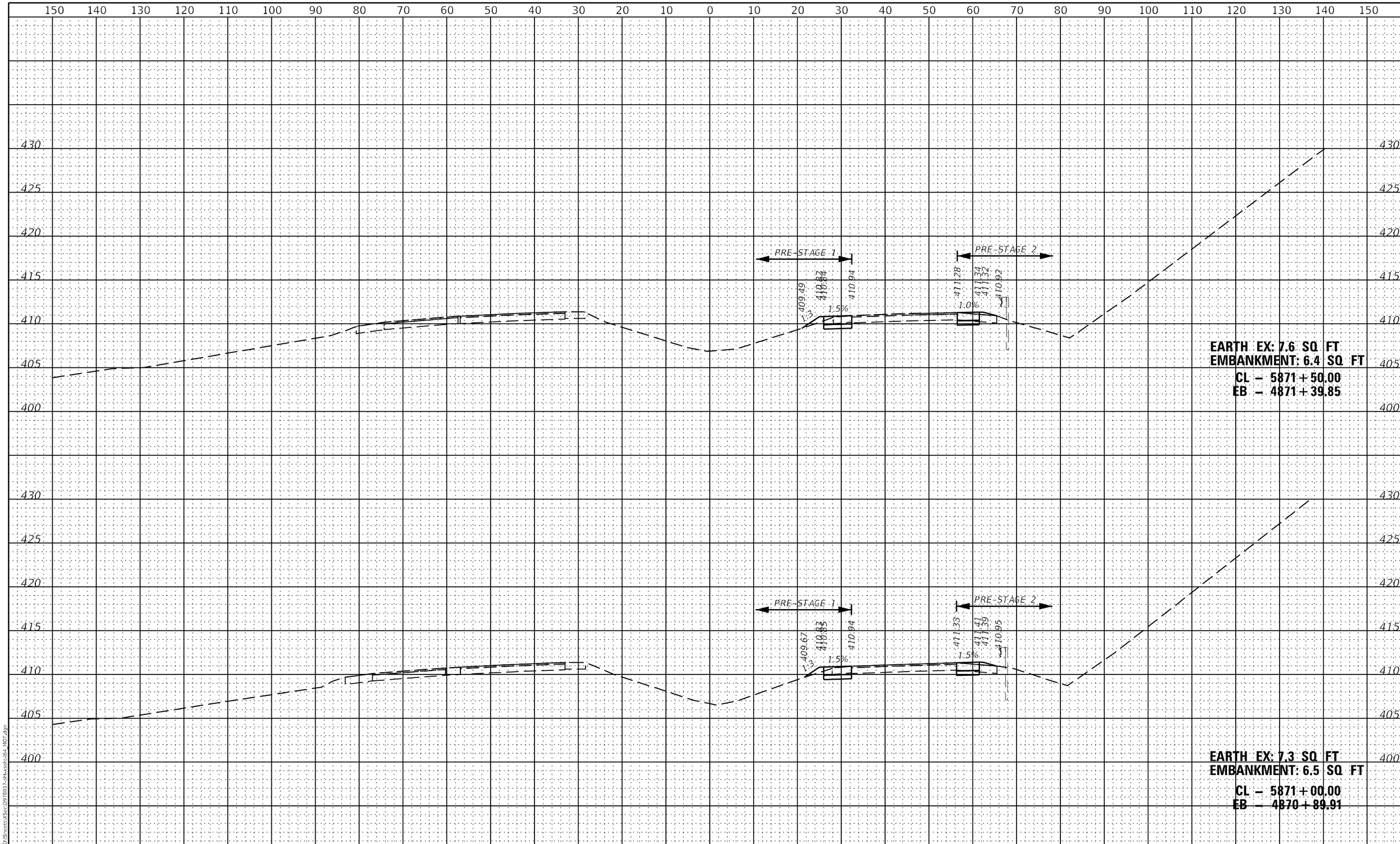
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-20 OF 50 SHEETS | STA. 5870+00.00 TO STA. 5870+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	495

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

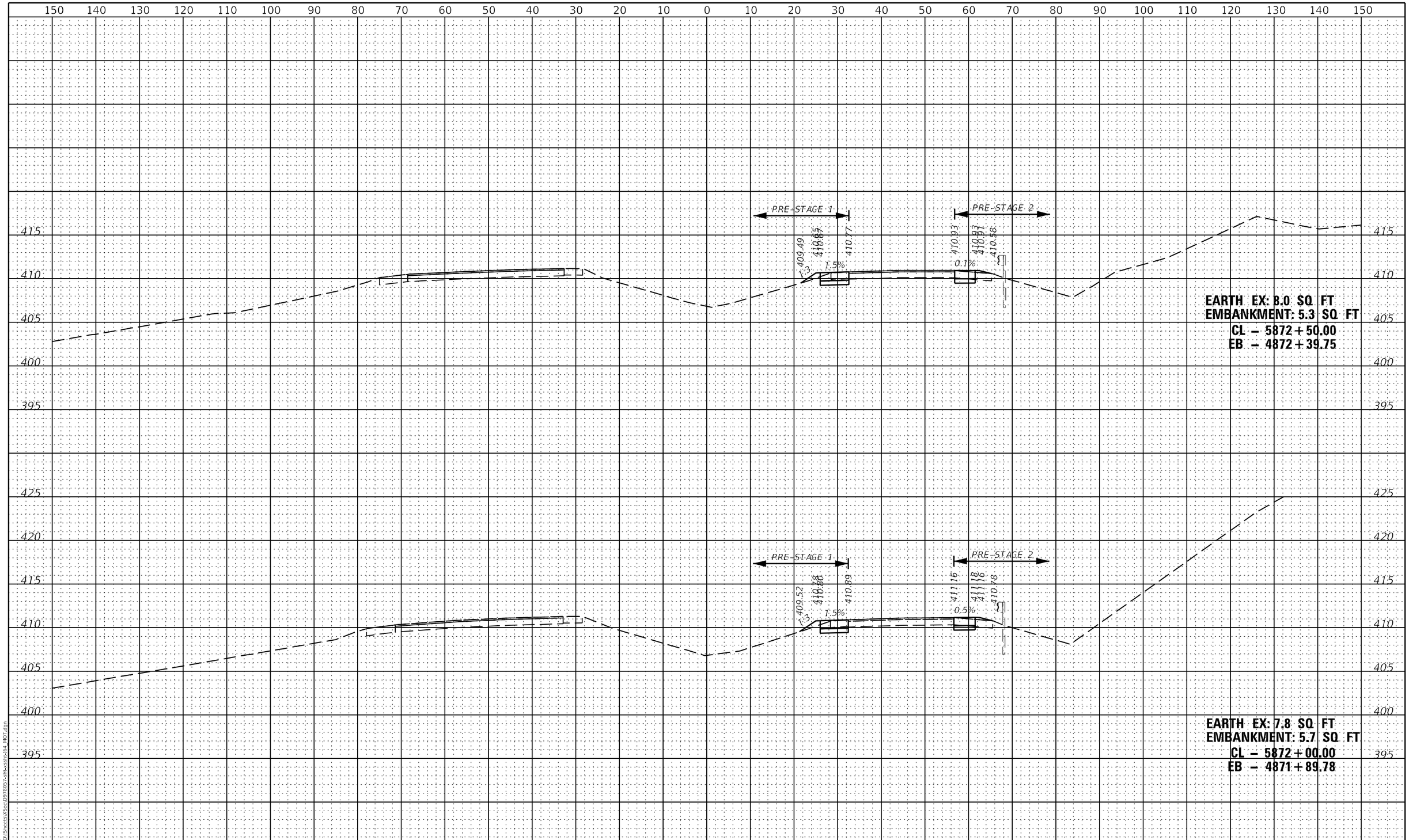
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-21 OF 50 SHEETS | STA. 5871+00.00 TO STA. 5871+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	496

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

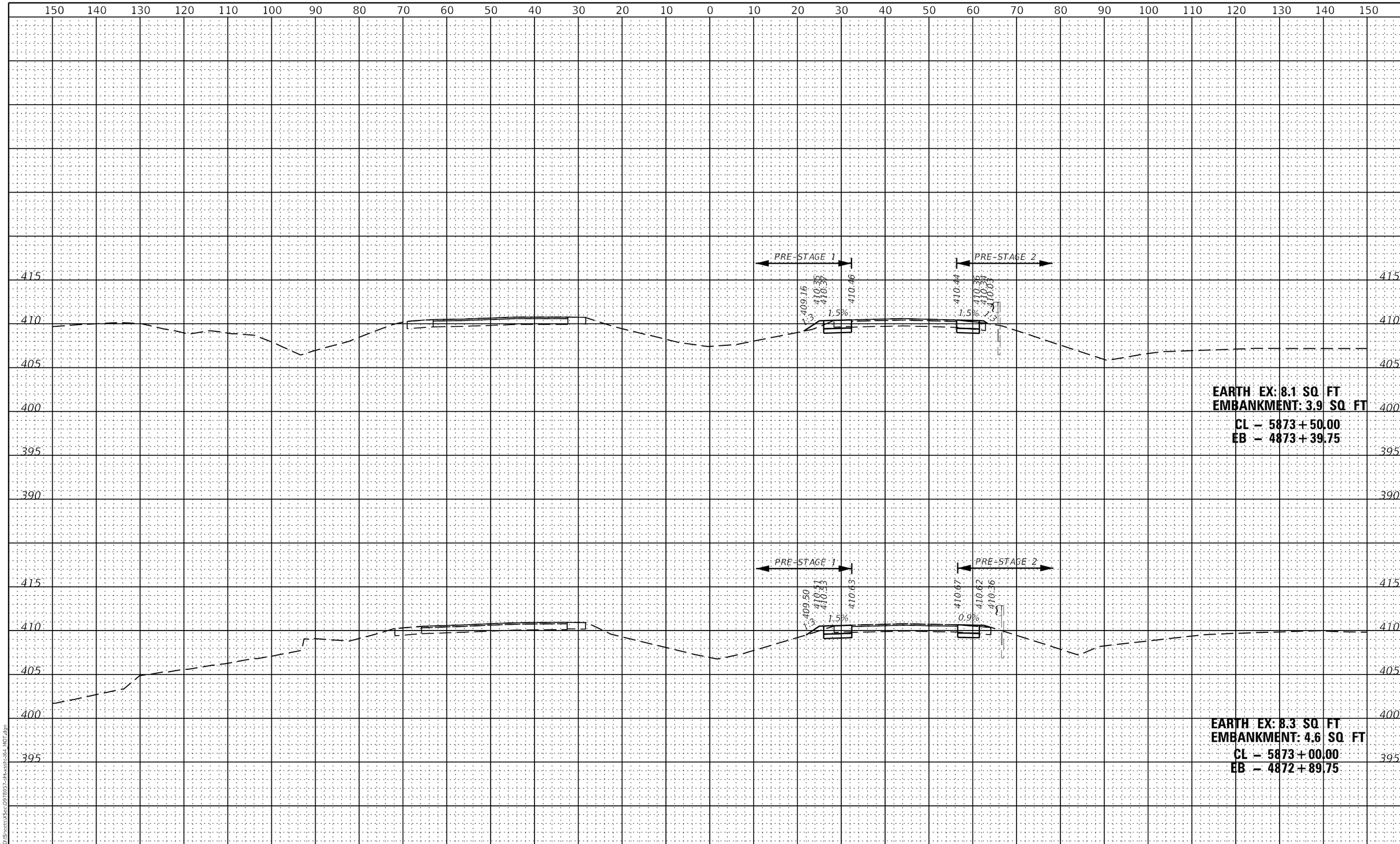
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-22 OF 50 SHEETS | STA. 5872+00.00 TO STA. 5872+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	497

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

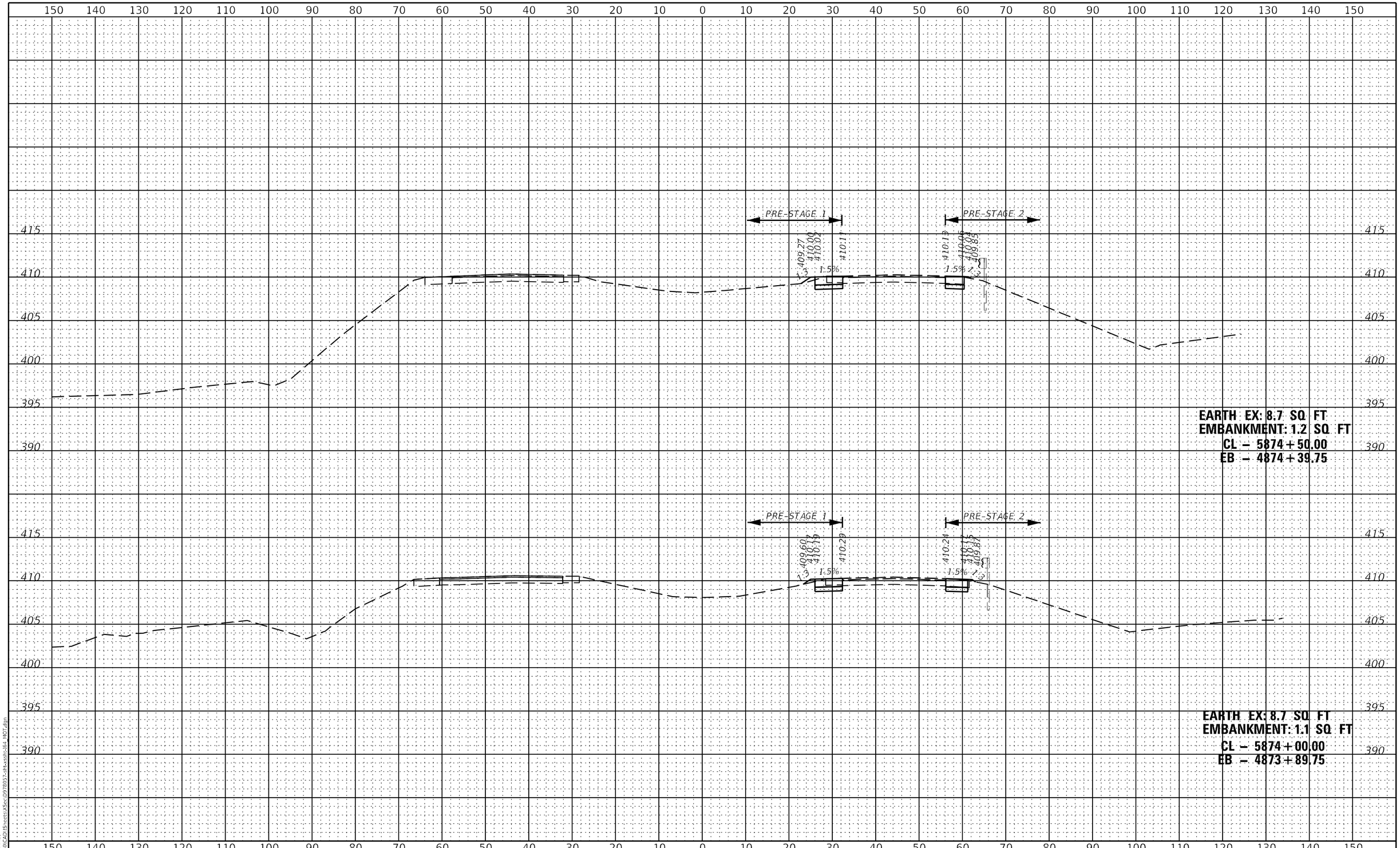
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-23 OF 50 SHEETS | STA. 5873+00.00 TO STA. 5873+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	498

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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KNIGHT
Engineers & Architects

USER NAME = USRA706046	DESIGNED - JS	REVISED -	
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PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

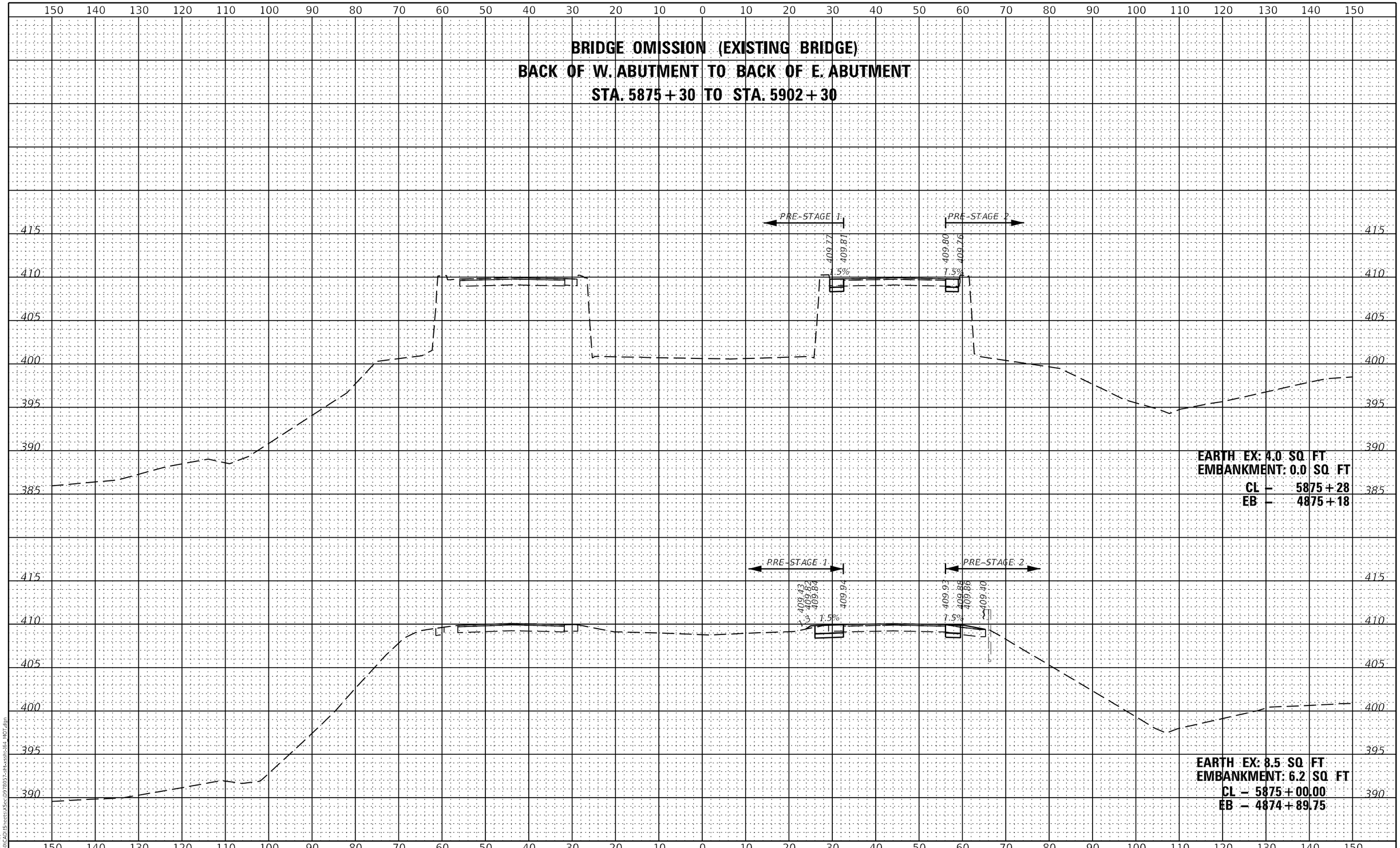
INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-24 OF 50 SHEETS | STA. 5874+00.00 TO STA. 5874+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	499

CONTRACT NO. 78057

ILLINOIS | FED. AID PROJECT FAI 64/WABASH RIVER



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Engineers & Architects

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	DRAWN - RTA	REVISED -	
PLOT SCALE = 1:20	CHECKED - JCM	REVISED -	
PLOT DATE = 8/10/2023	DATE - 08/11/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 64
PRESTAGE CROSS SECTIONS

SCALE: | SHEET PXS-25 OF 50 SHEETS | STA. 5875+00.00 TO STA. 5875+30.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(97-2) B-5	WHITE	578	500
		CONTRACT NO. 78057		
		ILLINOIS	FED. AID PROJECT FAI 64/WABASH RIVER	