

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(91-3,91-3-1,91-4)CLV-1	UNION	18	1
		ILLINOIS	CONTRACT NO. 78B42	

D-99-052-25

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

TRAFFIC DATA

I-57 TRAFFIC DATA

2024 ADT/13400

TRUCKS 18%

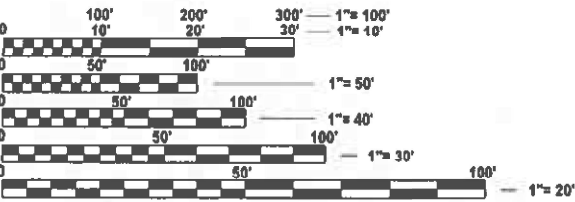
TOWNSHIPS

DONGOLA, STOKES

DESIGN DESIGNATION : N/A

COORDINATE SYSTEM : N/A

POSTED SPEED : 70 MPH



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

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

PROJECT ENGINEER : NATHAN TAYLOR
PROJECT MANAGER : SHIVASHANKAR REDDY DAYADULA

CONTRACT NO. 78B42

PROPOSED
HIGHWAY PLANS

FAI ROUTE 57 (I-57)
SECTION (91-3,91-3-1,91-4)CLV-1

CULVERT LINING
UNION COUNTY

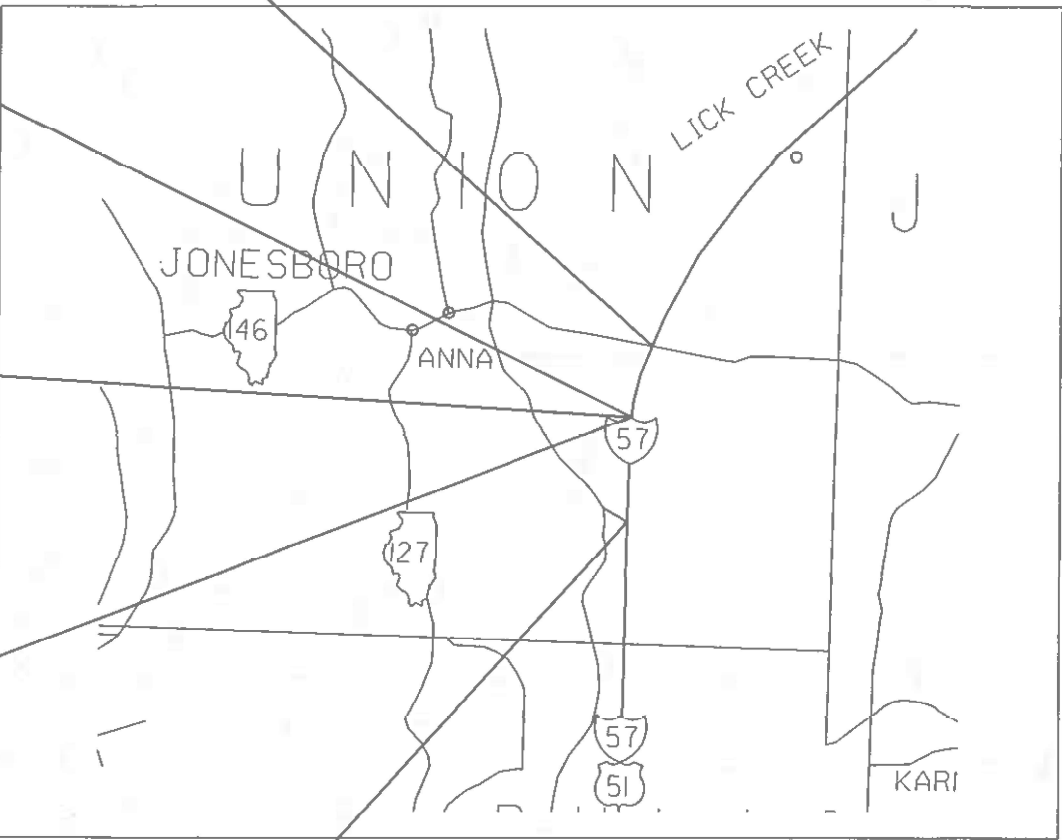
C-99-085-25

LOCATION #4
S.N. 091-7073
STA 2+94
STA 2714+59

LOCATION #5
S.N. 091-7077
STA 2814+40

LOCATION #3
S.N. 091-7072
STA 2816+90 'W'

LOCATION #2
S.N. 091-7071
STA 2819+50 'E'



LOCATION #1
S.N. 091-7066
STA 2988+27

GROSS LENGTH = 26,654 FT. = 5.05 MILE
NET LENGTH = 26,654 FT. = 5.05 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 1 20 25
Road S. Renshaw
REGIONAL ENGINEER

October 3 20 25
S. E. A. E. K.
ENGINEER OF DESIGN AND ENVIRONMENT

October 3 20 25
J. R. R. R. R.
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Prepared By: Susan Rose
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Hee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carla
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: W. C. C.
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: B. Smith
DISTRICT CONSTRUCTION ENGINEER

Examined By: A. Hays
DISTRICT MATERIALS ENGINEER

	USER NAME ■ Shivashankar.Dayadul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURE SHEET				F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		57	(91-3.91-3-1,91-4)CLV-1	UNION	18	2				
		CHECKED -	REVISED -		CONTRACT NO. 78B42								
	PLOT DATE ■ 7/21/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 18 SHEETS	STA.	TO STA.				
										ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

EXISTING PIPE UNDERDRAIN OUTLETS IN THE FORESLOPES OR MEDIAN SLOPES SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO AN UNDERDRAIN OUTLET RESULTING FROM CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

ALL EARTHWORK REQUIRED FOR THE INSTALLATION OF INSERTION CULVERT LINERS AND SPRAY-APPLIED PIPE LINERS SHALL BE INCLUDED IN THE COST OF INSERTION CULVERT LINER AND SPRAY-APPLIED PIPE LINER OF THE SIZE SPECIFIED.

EXISTING DITCHES AND SLOPES DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO THE ORIGINAL LINES AND GRADES AT NO ADDITIONAL COST TO THE DEPARTMENT.

ALL DISTURBED AREAS SHALL BE RESTORED WITH SEEDING CLASS 2A AND MULCH METHOD 1. THE COST OF SEEDING AND MULCH SHALL BE INCLUDED IN THE COST OF INSERTION CULVERT LINER AND SPRAY-APPLIED PIPE LINER OF THE SIZE SPECIFIED.

EXISTING GUARDRAIL POSTS REMOVED AND REERECTED SHALL BE INCLUDED IN THE COST OF REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE-A

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 630001-13 STEEL PLATE BEAM GUARDRAIL
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15 FT TO 24 IN FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN15 FT AWAY
- 701401-13 LANE CLOSURE, FREEWAY_EXPRESSWAY
- 701428-01 TRAFFIC CONTROL SETUP & REMOVAL FREEWAY_EXPRESSWAY
- 701456-05 PARTIAL EXIT RAMP CLOSURE FREEWAY_EXPRESSWAY
- 701901-10 TRAFFIC CONTROL DEVICES

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, COMMITMENTS, GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	DRAINAGE SCHEDULE
6	LOCATION MAP
7--9	DRAINAGE PLAN SHEETS
10--18	HISTORICAL PLANS - FOR INFORMATION ONLY

COMMITMENTS

- TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED APRIL 1 THROUGH SEPTEMBER 30. PLEASE NOTE THAT THE BRIDGE/STRUCTURE ASSESSMENT THAT WAS CONDUCTED FOR THIS PROJECT IS VALID FOR TWO YEARS AND THAT AN EXPIRED ASSESSMENT WILL NEED TO BE UPDATED PRIOR TO CONSTRUCTION.
- IF WORK WILL TAKE PLACE IN THESE AREAS WITH SURFACE FLOW, IMPACTS SHALL BE AVOIDED BY WORKING DURING THE SUMMER MONTHS WHEN ABOVE-GROUND FLOW IS MINIMUM OR ABSENT.

MODEL: Index Sheet [Sheet]
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	USER NAME = Shivashankar,Dayadul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX, GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS SHEET			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					57	(91-3,91-3-1,91-4)CLV-1	UNION	18	3
		CHECKED -	REVISED -					CONTRACT NO. 78B42				
	PLOT DATE = 7/31/2025	DATE -	REVISED -		SCALE:	SHEET 3	OF 18 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Summary of Quantities [Sheet]
FILE NAME: c:\pwwork\pwwork\shivashankar.dayadule@illinois.gov\1094004\0978B42-ShtC-SoQ.dgn

SUMMARY OF QUANTITIES

			100% STATE	
			COUNTY:	UNION CO
			ROUTE:	FAI 57
			FUNDING:	STATE
			LOCATION:	RURAL
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
				0004
20100500	TREE REMOVAL, ACRES	ACRE	1	1
54390310	INSERTION CULVERT LINER 60"	FOOT	802	802
54390330	INSERTION CULVERT LINER 72"	FOOT	303	303
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	360	360
67100100	MOBILIZATION	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84	84
X5430477	SPRAY-APPLIED PIPE LINER, 77"	FOOT	479	479
X5430460	SPRAY-APPLIED PIPE LINER, 60"	FOOT	203	203

REV - MS

	USER NAME = Shivashankar.Dayadul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					57	(91-3,91-3-1,91-4)CLV-1	UNION	18	4
		CHECKED -	REVISED -					CONTRACT NO. 78B42				
	PLOT DATE = 7/31/2025	DATE -	REVISED -		SCALE:	SHEET 4	OF 18 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Drainage Schedule (Sheet)
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DRAINAGE SCHEDULE

STRUCTURE	STATION	LENGTH (FOOT)	SIZE	INSERTION CULVERT LINER 60"	INSERTION CULVERT LINER 72"	SPRAY- APPLIED PIPE LINER, 60"	SPRAY- APPLIED PIPE LINER, 77"	TREE REMOVAL	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A
		(INFO ONLY)		FOOT	FOOT	FOOT	FOOT	ACRES	FOOT
FAI 57 UNION COUNTY									
091-7066	2988+27	203	60"	203				0.12	
091-7071	2819+50 'E'	303	72"		303			0.17	120
091-7072	2816+90 'W'	283	60"	283				0.18	120
091-7073	02+94 (NBR)	205	60"			203			
091-7073	2714+59 (SB)	481	77"				479	0.05	
091-7077	2814+40	316	60"	316				0.18	120
PROJECT TOTAL				802	303	203	479	0.7	360

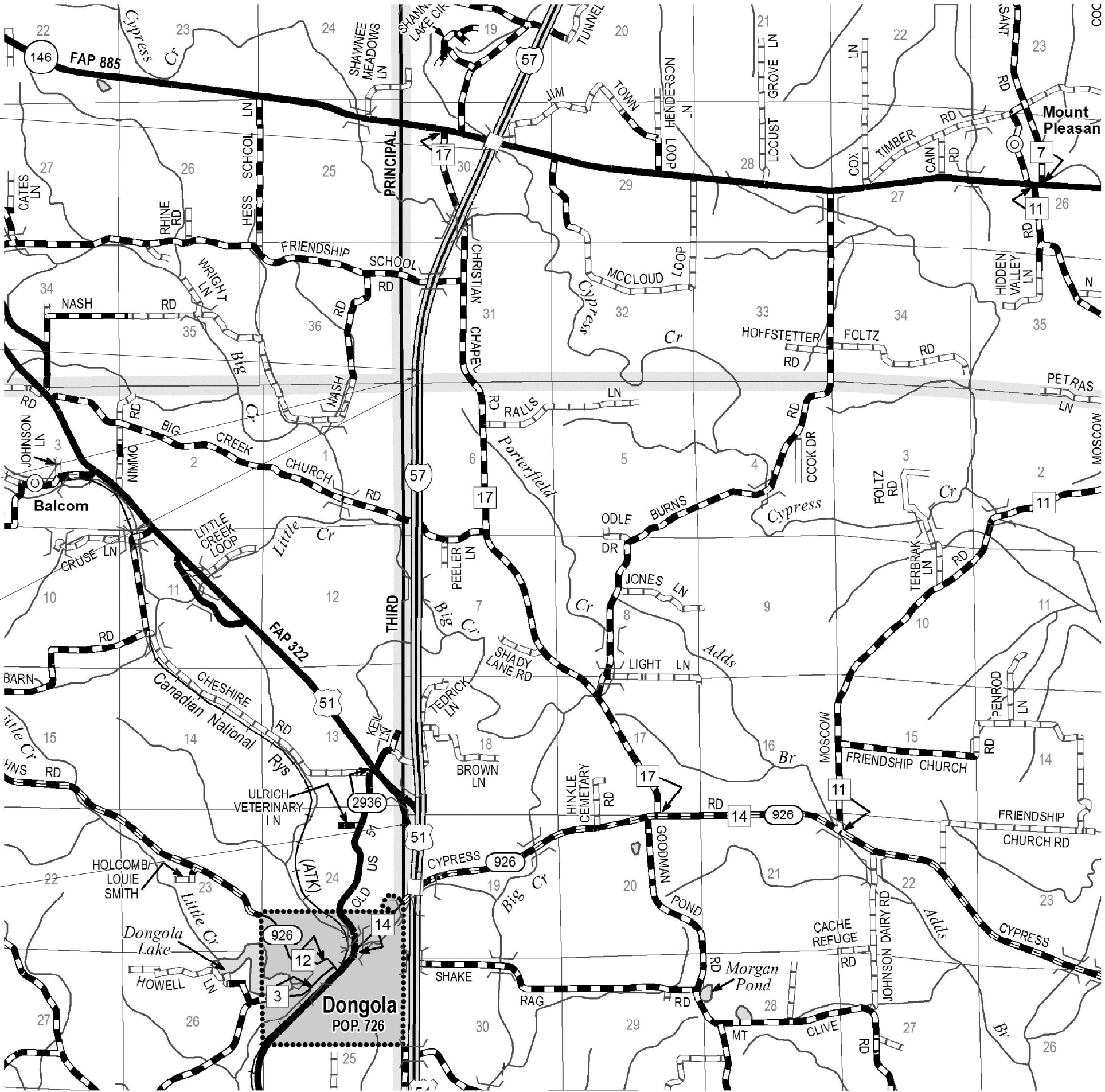
SN 091-7073
I-57
STA. 02+94
STA. 2714+59 (SB)

SN 091-7077
I-57
STA. 2814+40

SN 091-7072
I-57
STA. 2816+90 'W'

SN 091-7071
I-57
STA. 2819+50 'E'

SN 091-7066
I-57
STA. 2988+27



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

SCALE: SHEET 6 OF 18 SHEETS STA. TO STA.

F&I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(91-3,91-3-1,91-4)CLV-1	UNION	18	6
CONTRACT NO. 78B42				

ILLINOIS FED. AID PROJECT

USER NAME	= Shivashankar,Dayadul
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

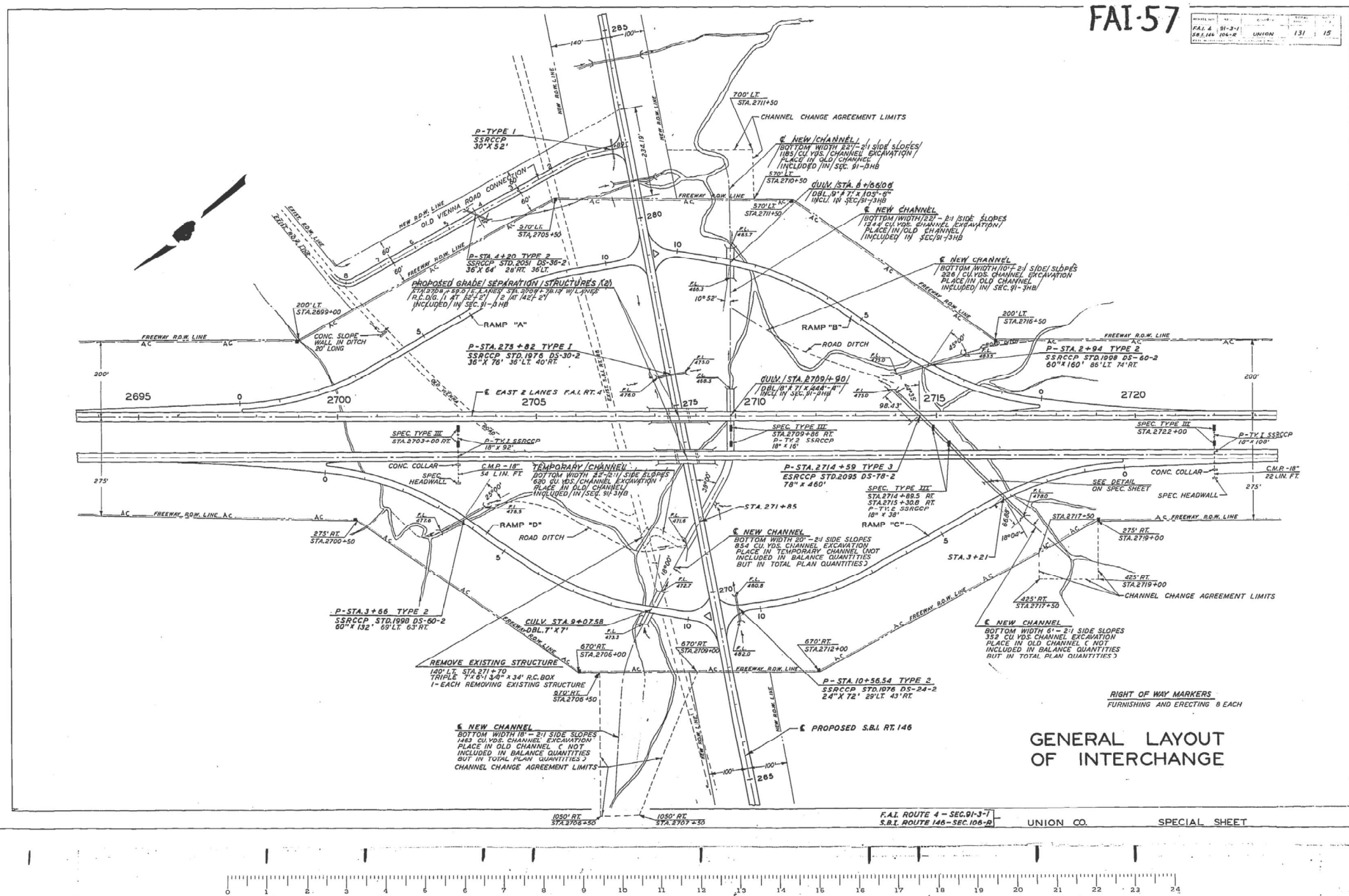
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Not to Scale

	USER NAME = Shivashankar,Dayadul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN SHEET SN 091-7066		F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				57	(91-3,91-3-1,91-4)CLV-1	UNION	18	7
		CHECKED -	REVISED -		CONTRACT NO. 78B42						
	PLOT DATE = 7/31/2025	DATE -	REVISED -		SCALE:	SHEET 7 OF 18 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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FOR INFORMATION ONLY

USER NAME	= Shivashankar,Dayadul	DESIGNED -	REVISED -
DRAWN -		REVISED -	
CHECKED -		REVISED -	
DATE	-	REVISED -	
PLOT DATE	= 7/31/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HISTORICAL PLAN SHEET
SN 091-7073

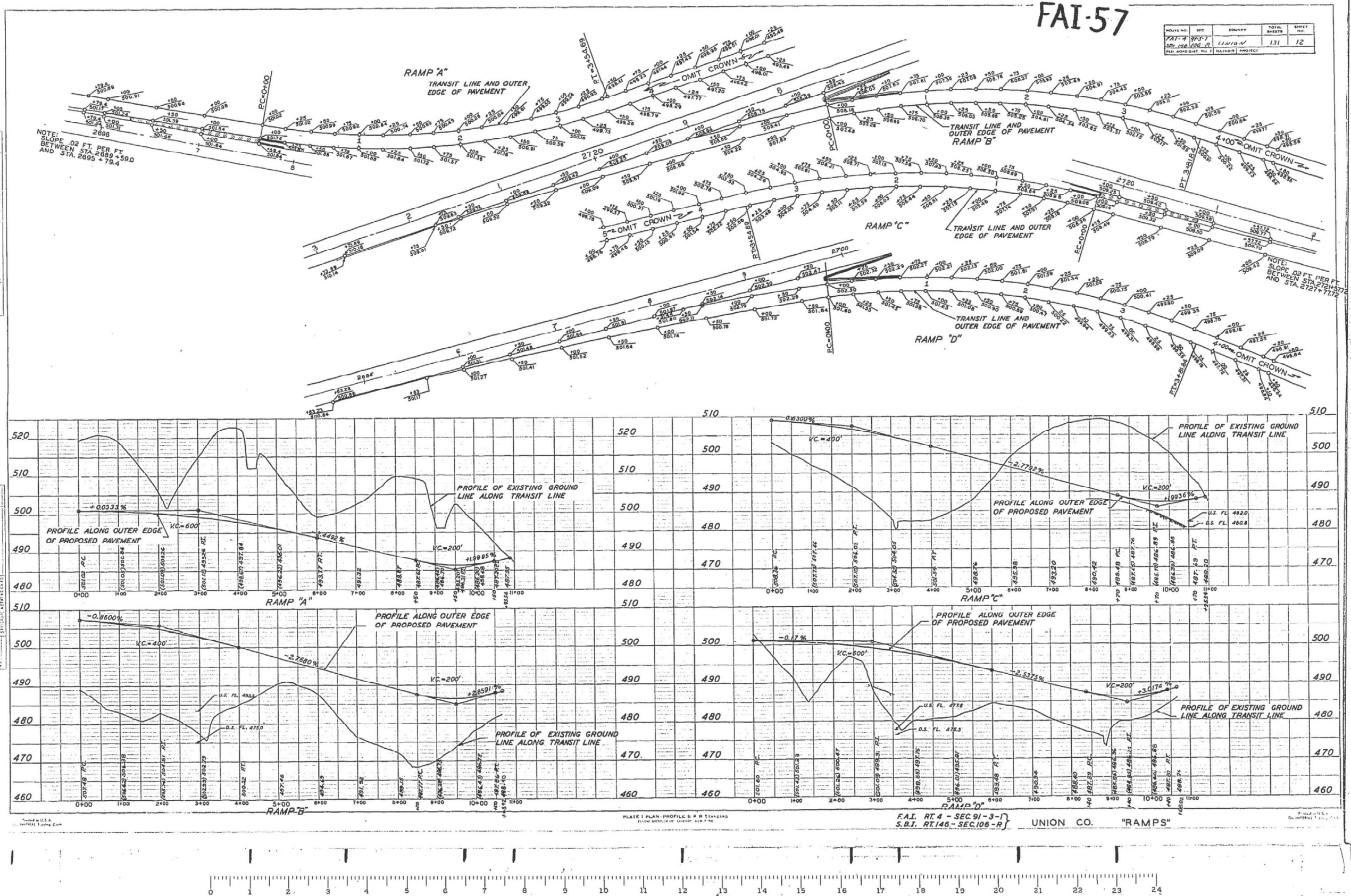
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(91-3,91-3-1,91-4)CLV-1	UNION	18	10
CONTRACT NO. 78B42				
ILLINOIS FED. AID PROJECT				

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PLAN	DATE
DATE	DATE

PROFILE	DATE
DATE	DATE



FOR INFORMATION ONLY

USER NAME	= Shivshankar.Dayadul	DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-	REVISED	-
CHECKED	-	REVISED	-	REVISED	-
DATE	-	REVISED	-	REVISED	-

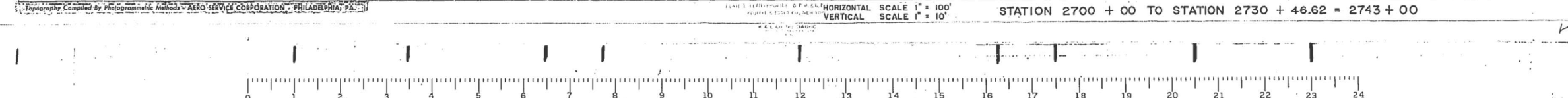
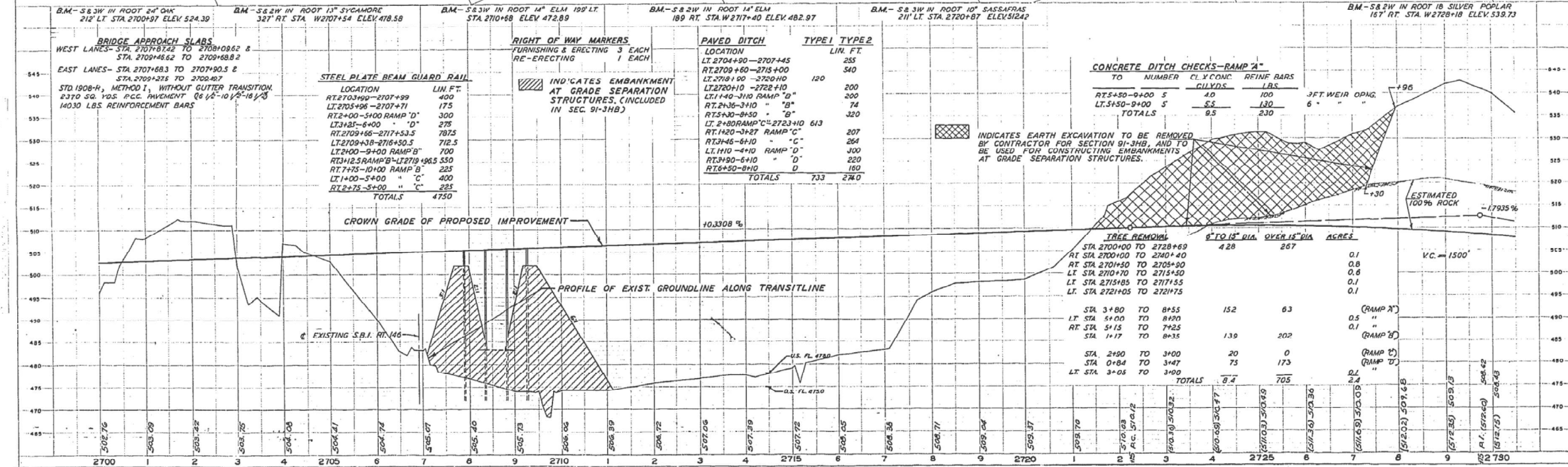
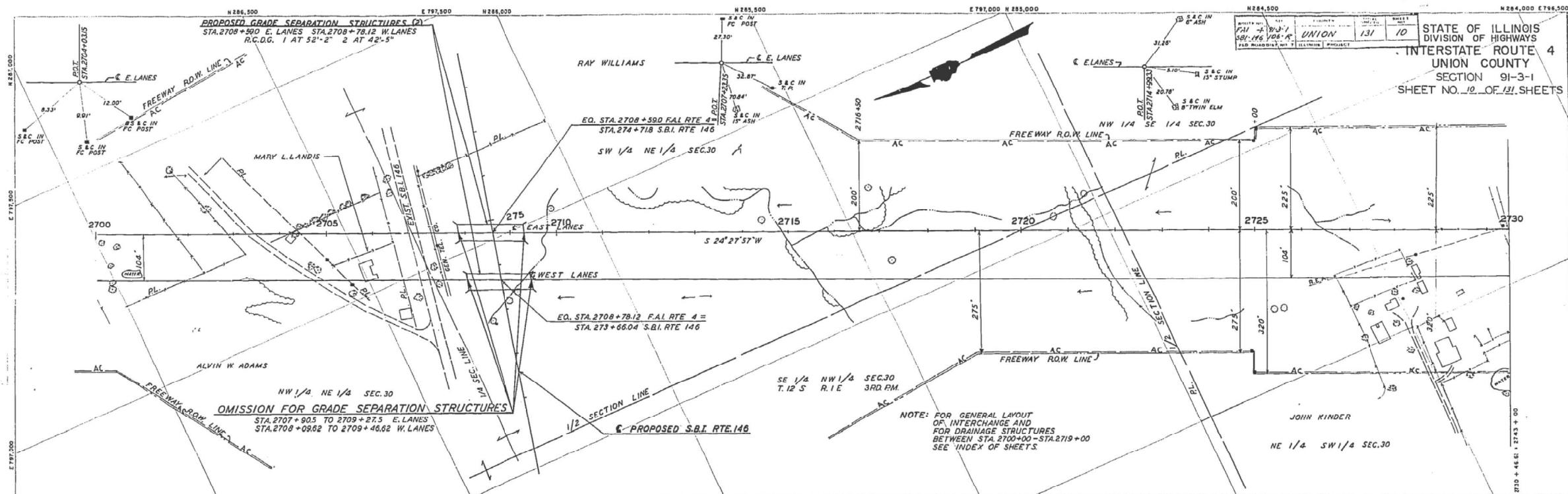
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HISTORICAL PLAN SHEET
SN 091-7073

SCALE: SHEET 12 OF 18 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(91-3,91-3-1,91-4)CLV-1	UNION	18	12
CONTRACT NO. 78B42				
ILLINOIS FED. AID PROJECT				

FAI-57



FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

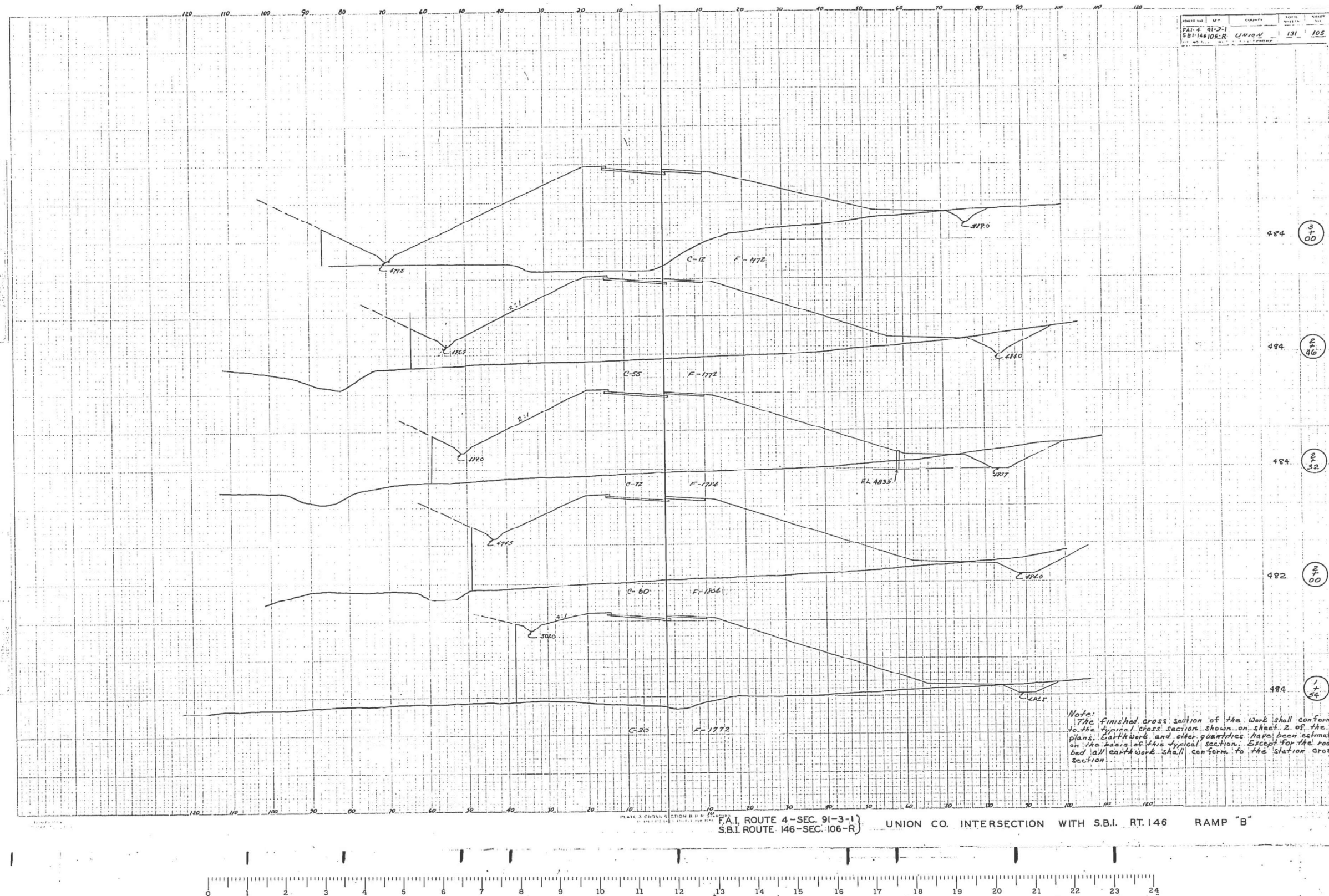
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SN 091-7073

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(91-3,91-3-1,91-4)CLV-1	UNION	18	13
CONTRACT NO. 78B42				
ILLINOIS FED. AID PROJECT				

USER NAME - Shivashankar,Dayadul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE - 7/31/2025	DATE -	REVISED -

SCALE: SHEET 13 OF 18 SHEETS STA. TO STA.

FAI-57



FOR INFORMATION ONLY

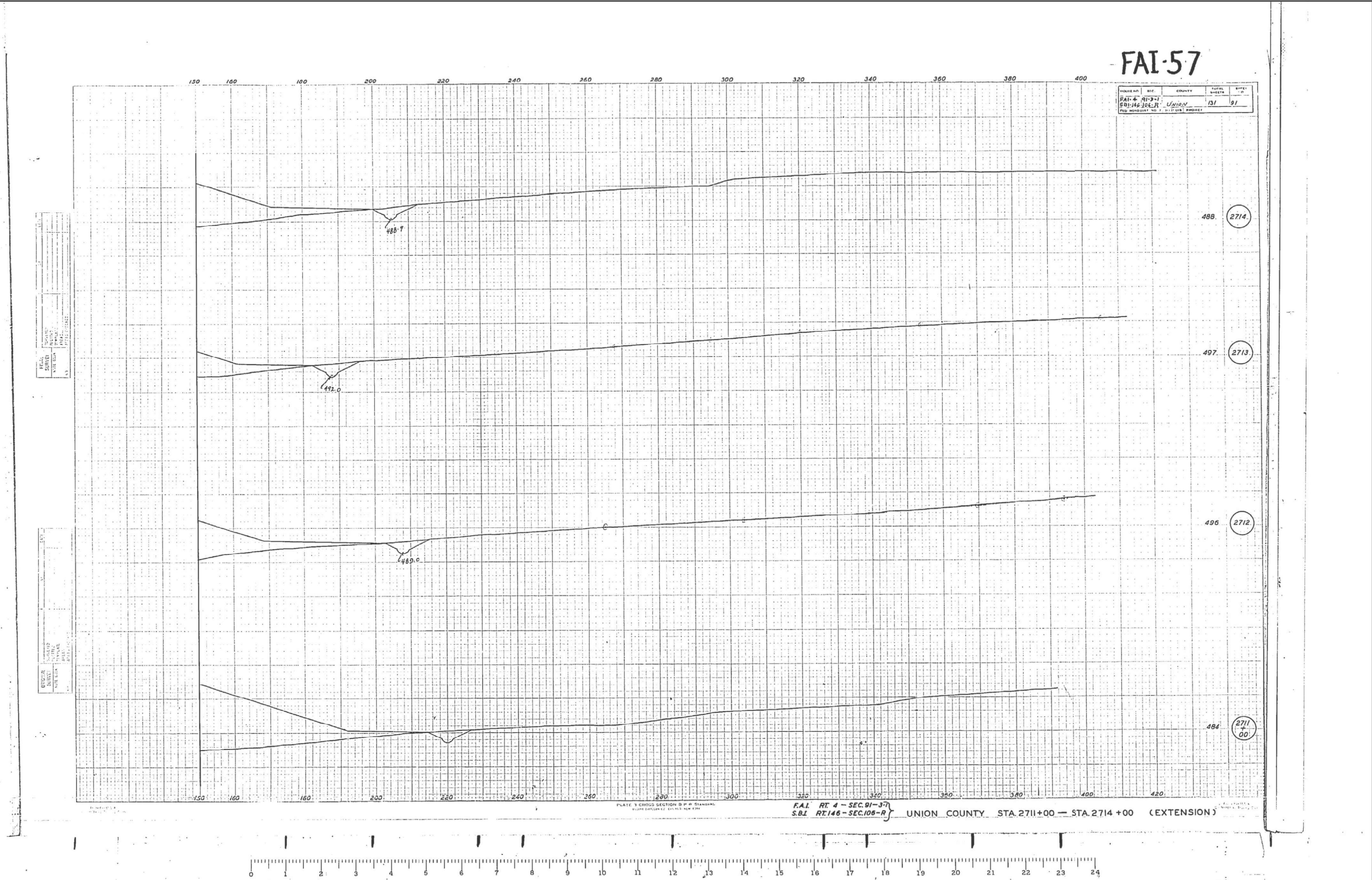
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 7/31/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HISTORICAL PLAN SHEET			
SN 091-7073			
SCALE:	SHEET 14	OF 18 SHEETS	STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(91-3,91-3-1,91-4)CLV-1	UNION	18	14
CONTRACT NO. 78B42				
ILLINOIS FED. AID PROJECT				

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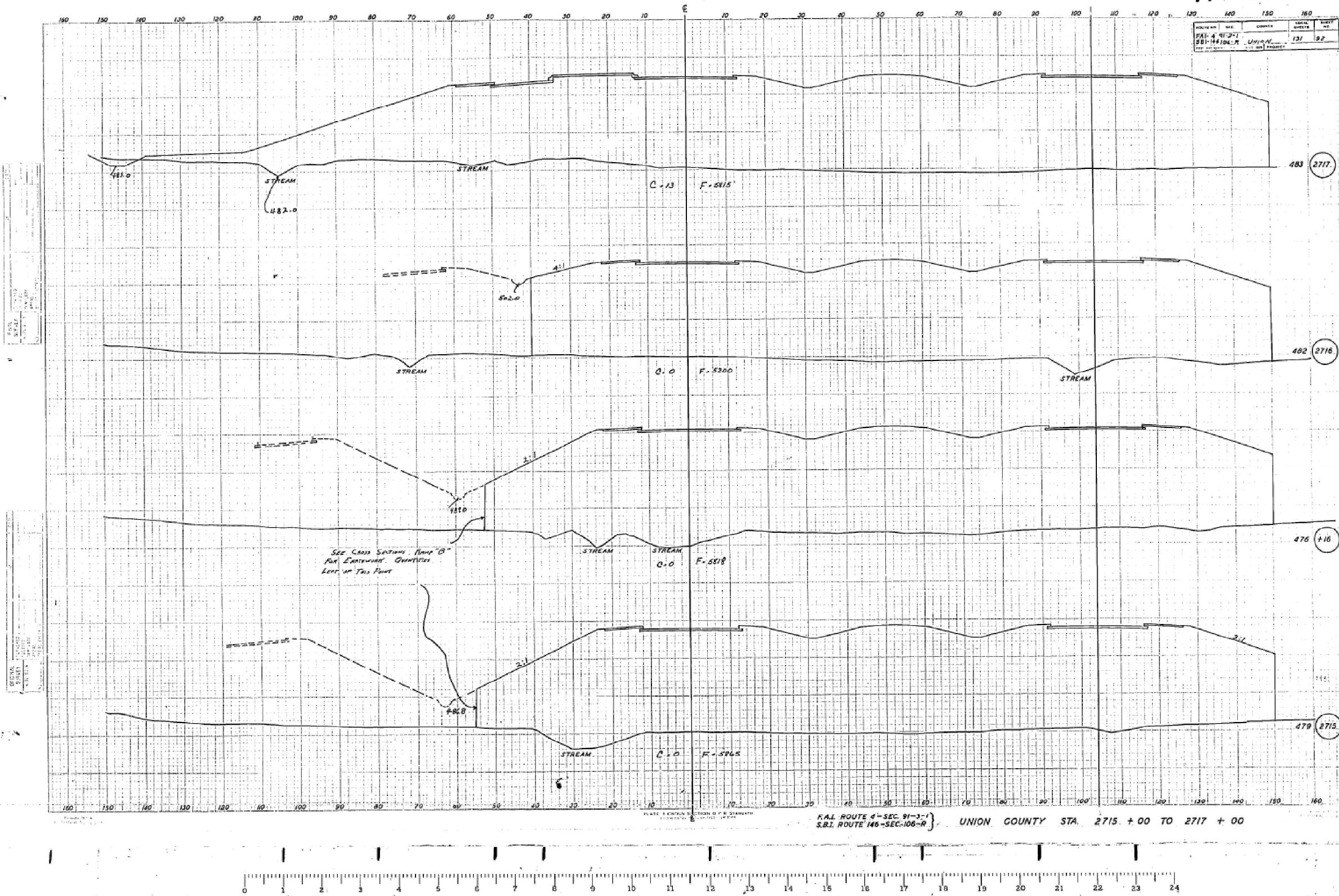
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 7/31/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HISTORICAL PLAN SHEET SN 091-7073			
SCALE:	SHEET 15	OF 18 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(91-3,91-3-1,91-4)CLV-1	UNION	18	15
CONTRACT NO. 78B42				
ILLINOIS FED. AID PROJECT				

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USER NAME - Shivashankar,Dayadul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE - 7/31/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

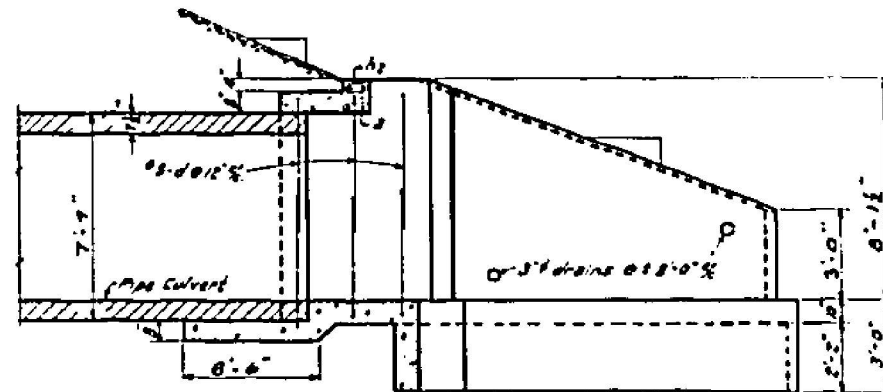
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SN 091-7073

SCALE: SHEET 16 OF 18 SHEETS STA. TO STA.

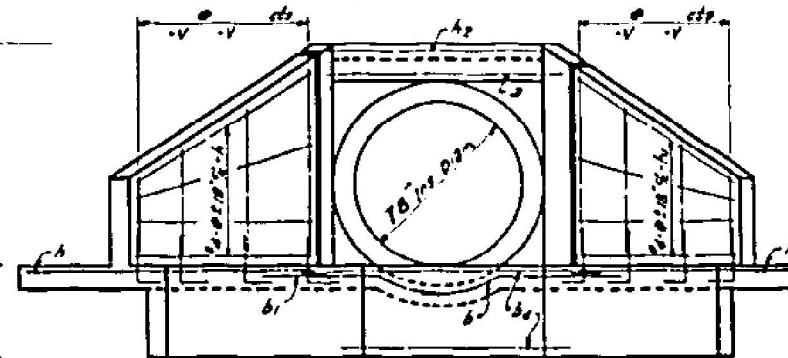
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57	(91-3,91-3-1,91-4)CLV-1	UNION	18	16
CONTRACT NO. 78B42				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

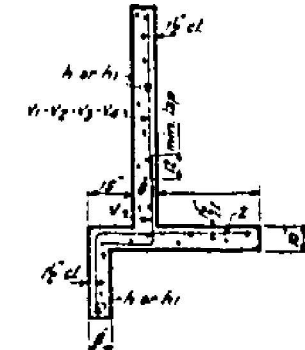
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SHEET NO 146175



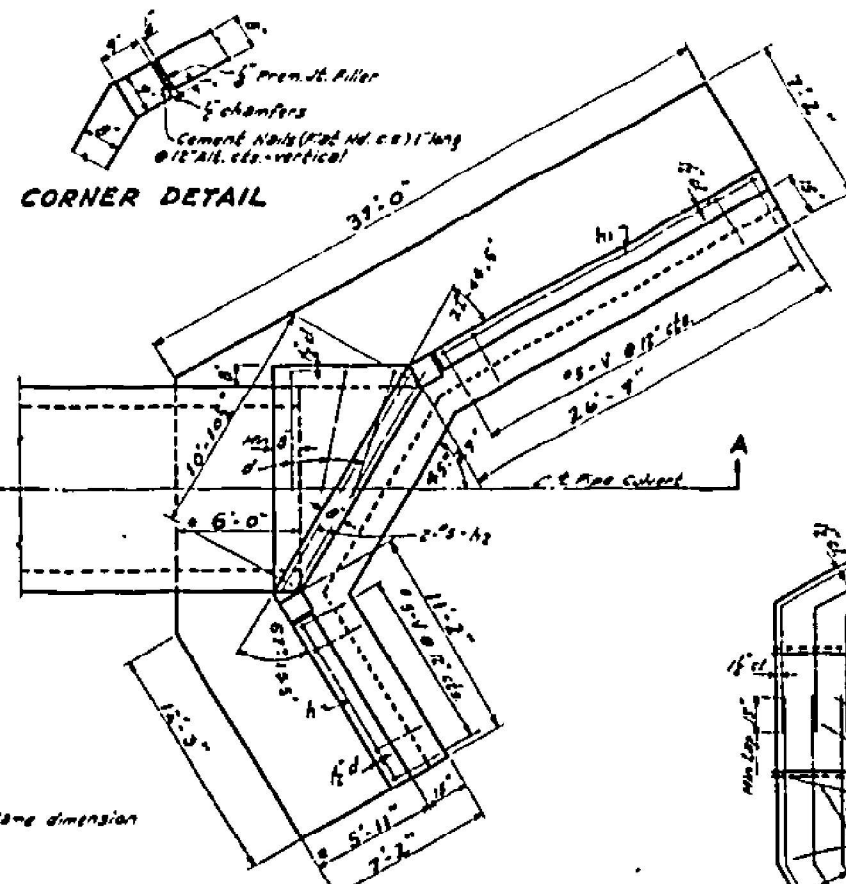
SECTION A-A



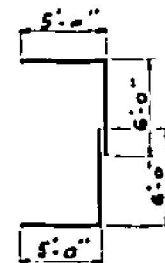
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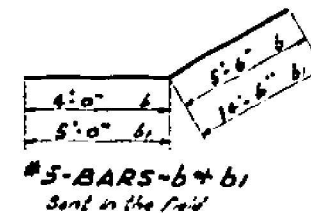
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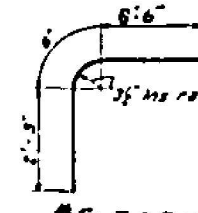
CORNER DETAIL



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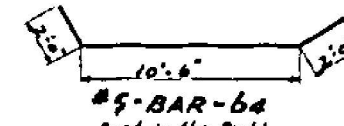
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#5-BAR-z



#5-BAR-v



#5-BAR-b4
Sent in the field

ONE HEADWALL
BILL OF MATERIAL

BAR	NO	SIZE	LENGTH	SHAPE
1	2	#5	11'-0"	U
2	3	#5	9'-6"	U
3	3	#5	10'-6"	U
4	6	#5	11'-0"	U
5	6	#5	5'-3"	U
6	2	#5	15'-0"	U
7	10	#5	11'-0"	7
8	11	#5	10'-0"	U
9	11	#5	23'-6"	U
10	2	#5	11	U
11	44	#5	4'-0"	J
12	16	#5	2'-9"	U
13	10	#5	4'-6"	U
14	11	#5	6'-0"	U
15	7	#5	5'-3"	U
16	54	#5	4'-9"	7
Class X Concrete			Cu Yds 2880	
Reinforcement bars			Lbs 1630	

NOTE 1 -
Class X Concrete shall be used throughout.
The cost of furnishing and installing
Cement Nails, and Premix Filler shall be
included in contract unit price for Class X Concrete.
Build top of headwall parallel to grade line.

NOTE 2 - All bars shall be round
ASTM A305-49
The size number is the number
of 8 inches in the nominal diameter.

STANDARD	COMPUTED	PAUL H. HANSEN
	CHECKED	J. S. H. H. H.
	DRAWN	J. S. H. H. H.
	CHECKED	H. H. H. H. H.
SPECIAL	APPROVED	
	CHECKED	

1-20 9-58
V. M. R. R. R.
H. H. H. H. H.
H. H. H. H. H.

PLAN OF FOOTING

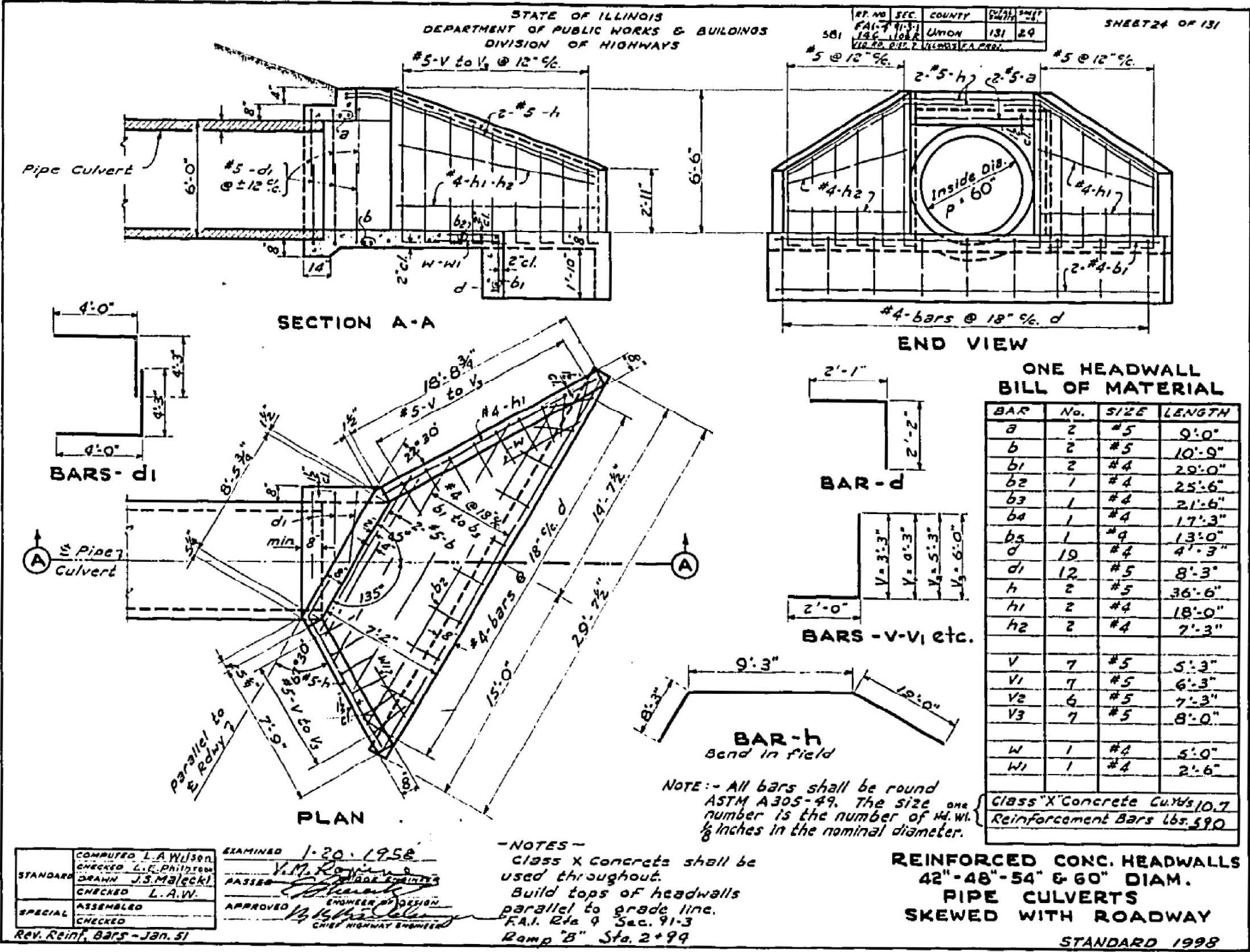
REINFORCED CONCRETE HEADWALLS
FOR 66-72-78-84" DIAMETER
PIPE CULVERTS
SKEWED WITH ROADWAY

F.A.I. R.T. 4
STA. 2714 + 57

STANDARD 2098

FOR INFORMATION ONLY

USER NAME - Shivashankar,Dayadul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HISTORICAL PLAN SHEET SN 091-7073	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -			57	(91-3,91-3-1,91-4)CLV-1	UNION	18	17
	CHECKED -	REVISED -							CONTRACT NO. 78B42
PLOT DATE - 7/31/2025	DATE -	REVISED -		SCALE: SHEET 17 OF 18 SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	



FOR INFORMATION ONLY

MODEL: PLAN_9 [Sheet]
FILE NAME: c:\pwworking\shivashankar.dayadul\1094004178B42 2d - Historical Plan sheet.dgn

USER NAME	= Shivashankar,Dayadul	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 7/31/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HISTORICAL PLAN SHEET
SN 091-7073

SCALE: SHEET 18 OF 18 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(91-3,91-3-1,91-4)CLV-1	UNION	18	18
CONTRACT NO. 78B42				
ILLINOIS FED. AID PROJECT				