

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

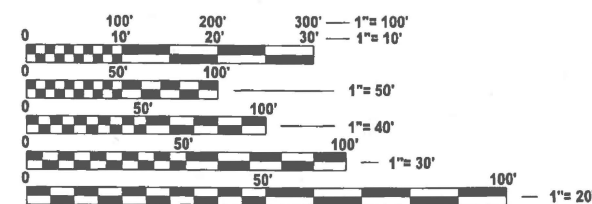
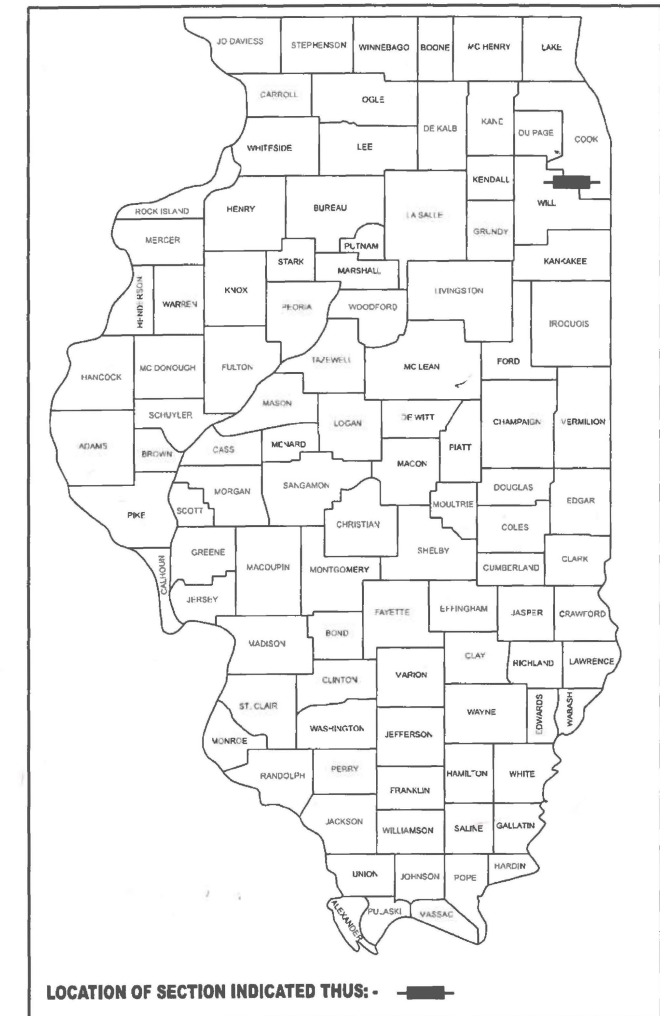
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	1
		ILLINOIS	CONTRACT NO. 80B76	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAI ROUTE 80 (INTERSTATE 80)
WB FRANKFORT WEIGH STATION (W OF 80TH AVE)
SECTION 2025-2038-I,PP,DR
WEIGH STATION REPAIRS
WILL COUNTY

D-91-029-26



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

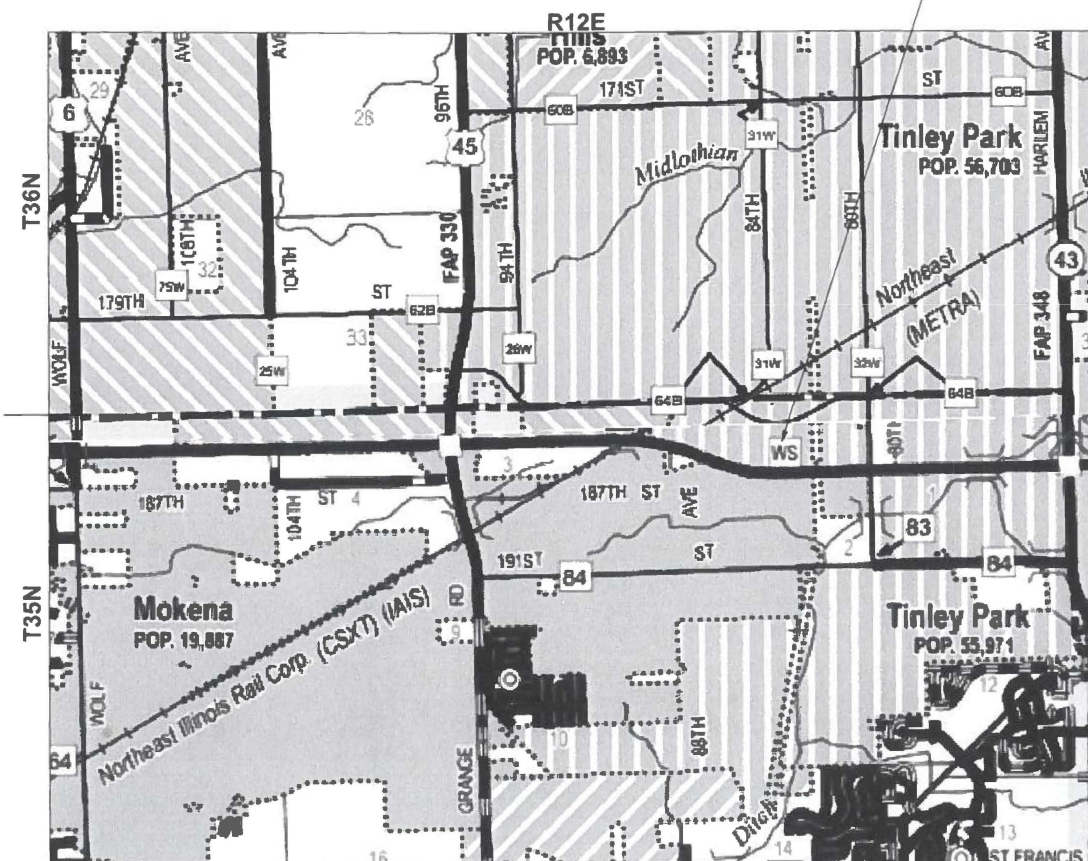
PROJECT ENGINEER: LUKASZ POCIECHA, (847) 705-4255
PROJECT MANAGER: VESELIN VELICHKOV

CONTRACT NO. 80B76

C-91-035-26

IMPROVEMENT LOCATION

LOCATION MAP
NOT TO SCALE



GROSS LENGTH = 500 FT. = 0.095 MILE
NET LENGTH = 500 FT. = 0.095 MILE

EFK•Moen
Civil Engineering Design



Signed: *Robert Brzezon*
Date: 10/24/2025
License Expires: 11/30/2027
The seal shown above is valid for Sheets 1-19, and 26-31.



Signed: *Alex C. Benz*
Date: 10/24/2025
License Expires: 11/30/2026
The seal shown above is valid for Sheets 20-25.

TRAFFIC DATA - I-80
INTERSTATE (CLASS I TRUCK ROUTE) ; 2023 ADT = 102900
P.V. = 89.31% S.U. = 2.92% M.U. = 7.77%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Dec 10th 2025*
Joseph IR
REGIONAL ENGINEER

March 20 *2026*
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 *2026*
Gregory
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

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- 602701-02 MANHOLE STEPS
- 604001-05 FRAME AND LIDS TYPE 1
- 604091-05 FRAME AND GRATE TYPE 24
- 606001-09 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
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- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701901-11 TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOURS NOTIFICATION IS REQUIRED.
2. IDOT MAINTENANCE CONTRACTOR, MEADE ELECTRIC, SHALL BE CONTACTED AT (773) 287-7672 FOR LOCATES FOR EVERY SYSTEM BEFORE ANY OF THE EARTHWORK CAN BEGIN.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. USE #8 EPOXY-COATED DOWEL BARS, CONFORMING TO ART 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TRANSVERSE JOINTS.
5. USE #6 EPOXY-COATED TIE BARS, CONFORMING TO ART 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL LONGITUDINAL JOINTS. REFER TO THE "LONGITUDINAL CONSTRUCTION JOINT (TIE BAR GROUTED IN PLACE)" DETAIL ON HIGHWAY STANDARD 420001 - PAVEMENT JOINTS.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. BEFORE BEGINNING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
9. THE ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
10. THE ENGINEER SHALL CONTACT KEITH DONOVAN, WEIGHT ENFORCEMENT ENGINEER, AT KEITH.DONOVAN@ILLINOIS.GOV OR (217) 782-8414 A MINIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING CONSTRUCTION.
11. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED THEIR LOCATION.
12. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
13. FOR IDOT-OWNED UNDERGROUND ASSET IDENTIFICATION CONTACT IDOT DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR (EMC), MEADE ELECTRIC CO INC., TED TROYNER AT (708) 588-2544.
14. FOR SCALE PIT DRAINAGE LINES LOCATIONS, CONTACT NEW LENOX MAINTENANCE YARD AT (815) 485-6393, 2504, OR 2505.
15. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP 4 INCHES IN AREAS TO BE TO BE SEEDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
16. THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 1 OR RR 1.

TRAFFIC CONTROL NOTES

1. UTILIZE DISTRICT 1 STANDARD TC-08 TO CLOSE RAMP DURING CONSTRUCTION.
2. PLACE RAMP CLOSURE ADVANCE WARNING SIGNS ("RAMP CLOSED") AT THE FOLLOWING EXIT GUIDE SIGNS:
 - 1) "WEIGH STATION 1 MILE" SIGN APPROX. 1 MILE IN ADVANCE OF RAMP
 - 2) "WEIGH STATION NEXT RIGHT" SIGN APPROX. 1200' IN ADVANCE OF RAMP
 - 3) "WEIGH STATION" OVERHEAD SIGN AT WEIGH STATION EXIT RAMP
3. DURING CONSTRUCTION, PLACE TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE (70307140) SOLID WHITE ACROSS EXIT RAMP OPENING. AFTER CONSTRUCTION, REMOVAL OF THIS LINE WILL BE PAID FOR AS SHORT TERM PAVEMENT MARKING REMOVAL (70300150).

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndesign	QUALITY MANAGEMENT PROGRAM (QMP)
HOT-MIX ASPHALT SHOULDER, 8":		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"	4% @ 70 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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PLOT DATE = 9/2/2025	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI 80 (I-80) WB WEIGH STATION
INDEX OF SHEETS, HIGHWAY STANDARDS, AND NOTES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	2
CONTRACT NO. 80B76				
ILLINOIS		FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE
				ROADWAY
				0044 URBAN
20200100	EARTH EXCAVATION	CU YD	130	130
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	5	5
20400800	FURNISHED EXCAVATION	CU YD	1480	1480
20800150	TRENCH BACKFILL	CU YD	23	23
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	400	400
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4005	4005
25000210	SEEDING, CLASS 2A	ACRE	0.50	0.50
25000312	SEEDING, CLASS 4A	ACRE	0.50	0.50
25000320	SEEDING, CLASS 5	ACRE	0.50	0.50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30	30
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30	30
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30	30
25000750	MOWING	ACRE	1.00	1.00
25100630	EROSION CONTROL BLANKET	SQ YD	3973	3973

+ DENOTES SPECIALTY ITEM



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PLOT DATE = 9/2/2025	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAI 80 (I-80) WB WEIGH STATION
 SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	3
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE
				ROADWAY 0044 URBAN
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	247	247
28000400	PERIMETER EROSION BARRIER	FOOT	42	42
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	196	196
42000060	WELDED WIRE REINFORCEMENT	SQ YD	100	100
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	690	690
42400800	DETECTABLE WARNINGS	SQ FT	10	10
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	20	20
44000600	SIDEWALK REMOVAL	SQ FT	442	442
44003100	MEDIAN REMOVAL	SQ FT	698	698
44004250	PAVED SHOULDER REMOVAL	SQ YD	739	739
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	223	223
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	20	20
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	80	80
44201299	DOWEL BARS 1 1/2"	EACH	650	650

+ DENOTES SPECIALTY ITEM



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	CHECKED -	REVISED -
PLOT DATE = 9/2/2025	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAI 80 (I-80) WB WEIGH STATION
 SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	4
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE
				ROADWAY
				0044 URBAN
44213200	SAW CUTS	FOOT	1114	1114
44213204	TIE BARS 3/4"	EACH	287	287
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	224	224
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	1
50102400	CONCRETE REMOVAL	CU YD	15.0	15.0
50104400	CONCRETE HEADWALL REMOVAL	EACH	3	3
50105220	PIPE CULVERT REMOVAL	FOOT	61	61
50300225	CONCRETE STRUCTURES	CU YD	11.2	11.2
50300300	PROTECTIVE COAT	SQ YD	75.0	75.0
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	3.8	3.8
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	4780	4780
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1560	1560
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	154	154

+ DENOTES SPECIALTY ITEM



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAI 80 (I-80) WB WEIGH STATION
 SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	5
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE
				ROADWAY
				0044 URBAN
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	97	97
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	163	163
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	3	3
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	490	490
60622800	CONCRETE MEDIAN, TYPE SM-6.12	SQ FT	688	688
+ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	700	700
+ 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
+ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
+ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
+ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10
67100100	MOBILIZATION	L SUM	1	1
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	400	400

+ DENOTES SPECIALTY ITEM



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PLOT DATE = 9/2/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI 80 (I-80) WB WEIGH STATION
SUMMARY OF QUANTITIES**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	6
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE
				ROADWAY
				0044 URBAN
70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	600	600
+ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	15	15
+ 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1
+ 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	21	21
+ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	532	532
+ 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	54	54
+ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	12	12
Z0012455	CONCRETE STEP REMOVAL	EACH	1	1
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	20	20
* Z0025710	FURNISHING AND INSTALLING STATIC SCALE COMPONENTS	L SUM	1	1
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	100	100
* X7200075	REMOVE AND REINSTALL SIGN PANEL	SQ FT	8	8

+ DENOTES SPECIALTY ITEM



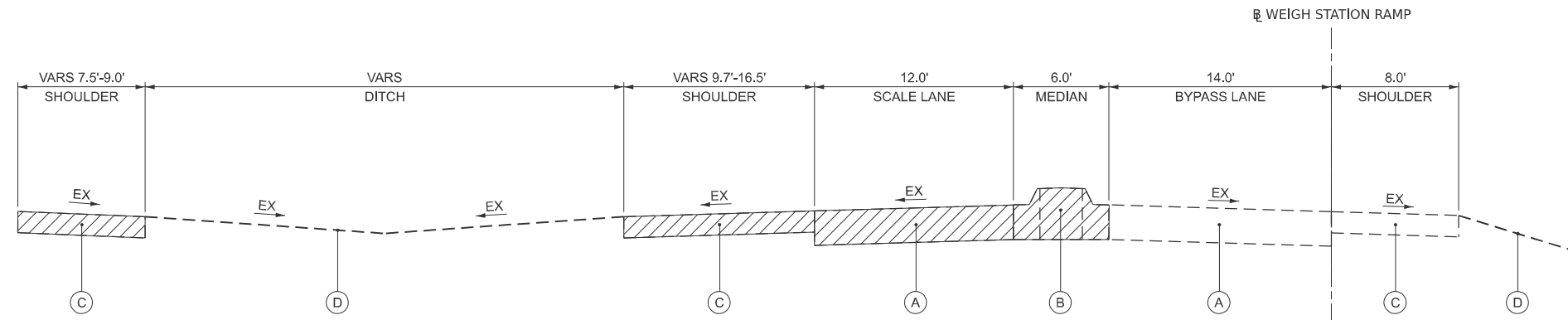
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAI 80 (I-80) WB WEIGH STATION
 SUMMARY OF QUANTITIES

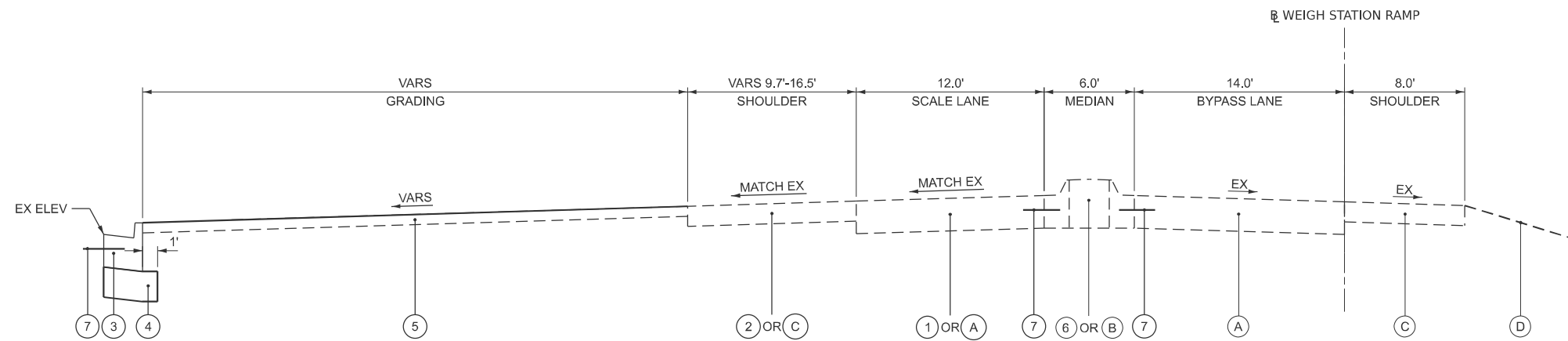
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B76	



EXISTING I-80 WEIGH STATION TYPICAL SECTION

SEE PLANS FOR LIMITS OF REMOVAL AND REPLACEMENT



PROPOSED I-80 WEIGH STATION TYPICAL SECTION

SEE PLANS FOR LIMITS OF REMOVAL AND REPLACEMENT

EXISTING LEGEND

- (A) EX PCC PAVEMENT, 13"
- (B) EX MEDIAN
- (C) EX HMA SHOULDERS, 8"
- (D) EX GROUND/EX TOPSOIL
- ▨ DENOTES REMOVAL ITEM

PROPOSED LEGEND

- (1) PR CLASS B PATCHES, 13"
- (2) PR HMA SHOULDERS, 8"
- (3) PR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (4) PR AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) PR TOPSOIL & SEEDING (SEE LANDSCAPING PLAN)
- (6) PR CONCRETE MEDIAN, TYPE SM-6.12
- (7) PR TIE BARS (IN ACCORDANCE WITH STD 420001)

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	9
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE									
1 LOCATION		2 EARTH EXCAVATION	3 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	4 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	5 EMBANKMENT	6 EARTH BALANCE WASTE (+) OR SHORTAGE (-)	7 TOPSOIL EXCAVATION (DEPTH = 4")	8 TOPSOIL PLACEMENT (DEPTH = 4")	9 TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)
TO	FROM	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
1+13.00	1+20.00	1	0	1	15	-14	4	5	-1
1+20.00	1+50.00	5	0	4	120	-116	25	28	-3
1+50.00	2+00.00	9	0	8	285	-277	55	59	-4
2+00.00	2+50.00	13	1	10	237	-227	51	55	-4
2+50.00	3+00.00	26	1	21	139	-118	42	46	-4
3+00.00	3+30.00	22	1	18	52	-34	23	25	-2
SIDEWALK		1	0	1	0	1	0	0	0
3+35.00	3+50.00	7	0	6	22	-16	11	14	-3
3+50.00	4+00.00	17	1	14	78	-64	41	48	-7
4+00.00	4+50.00	10	1	8	107	-99	50	54	-4
4+50.00	5+00.00	8	0	7	128	-121	54	58	-4
5+00.00	5+54.00	9	0	8	103	-95	46	52	-6
ARTICLE 669.05(a)(5) SOILS*					300	-300		400	-400
SUBTOTAL		128	5	106	1586	-1480	402	844	-442
TOTAL		130	5	105	1585	-1480	400	845	-445

COLUMN 1: LOCATION FROM PLANS.
COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS. DOES NOT INCLUDE UNSUITABLE MATERIAL AND/OR TOPSOIL.
COLUMN 3: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT. NOMINAL QUANTITY OF 5% OF EARTH EXCAVATION (COLUMN 2) PROVIDED.
COLUMN 4: QUANTITIES OF EARTH EXCAVATION ADJUSTED FOR A SHRINKAGE FACTOR OF 15%.
COLUMN 5: QUANTITIES OF EMBANKMENT (FILL) FROM CROSS SECTIONS.
COLUMN 6: EARTHWORK BALANCE
(+) = QUANTITY OF EXTRA EXCAVATION TO BE WASTED.
(-) = QUANTITY OF FURNISHED EXCAVATION NEEDED.
COLUMN 7: QUANTITIES OF DISTURBED EXISTING TOPSOIL FROM CROSS SECTIONS. TO BE PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT.
COLUMN 8: QUANTITIES OF TOPSOIL NEEDED FOR LANDSCAPING FROM CROSS SECTIONS.
COLUMN 9: TOPSOIL BALANCE
(+) = QUANTITY OF TOPSOIL TO BE WASTED.
(-) = QUANTITY OF FURNISHED TOPSOIL NEEDED. TO BE PAID FOR AS TOPSOIL FURNISH AND PLACE, 4".

* SEE THE REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (PROJECT SPECIFIC) SPECIAL PROVISION. SOILS ARE PRESENT THAT SHALL BE MANAGED IN ACCORDANCE WITH ARTICLE 669.05(a)(5) OF THE STANDARD SPECIFICATIONS AND CANNOT BE REUSED ON SITE.

MODEL: Schedules (Sheet)
FILE NAME: C:\2022\2022\DOTCAD\CONNECT\1035.25 IDOT D1 PTB 189-012.WO 25 WB 180 Weigh Station\CADD Data\Sheet\180876-sht-schedule.dgn

ROADWAY REMOVAL SCHEDULE					
FROM STATION	TO STATION	OFFSET	COMBINATION CURB AND GUTTER REMOVAL	MEDIAN REMOVAL	PAVED SHOULDER REMOVAL
			FOOT	SQ FT	SQ YD
0+75	0+80	LT			3.3
1+05	5+63	LT			499.7
2+25	3+04	LT			106.4
2+25	2+55	LT			
2+55	3+73	LT		697.6	
2+94	3+04	LT	9.8		
3+29	4+06	LT			129.2
3+29	3+39	LT	9.9		
3+73	4+02	LT			
TOTAL			20	698	739

PROPOSED PAVEMENT SCHEDULE							
FROM STATION	TO STATION	OFFSET	AGGREGATE SUBGRADE IMPROVEMENT 12"	TIE BARS 3/4"	HOT-MIX ASPHALT SHOULDERS, 8"	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	CONCRETE MEDIAN, TYPE SM-6.12
			SQ YD	EACH	SQ YD	FOOT	SQ FT
0+75	0+80	LT			3.3		
1+05	1+15	LT			24.0		
1+08	5+55	LT	195.3				
1+10	5+53	LT		157		489.2	
2+25	3+04	LT			95.0		
2+55	3+73	LT		78			687.4
3+29	4+06	LT			66.6		
5+50	5+63	LT			34.2		
TOTAL			196	235	224	490	688

NOTES:
1. SEE PATCHING SCHEDULE FOR ADDITIONAL TIE BARS QUANTITIES.

SIDEWALK REMOVAL SCHEDULE				
FROM STATION	TO STATION	OFFSET	SIDEWALK REMOVAL	CONCRETE STEP REMOVAL
			SQ FT	EACH
3+04	3+34	LT	441.1	
3+31	3+34	LT		1
TOTAL			442	1

SIDEWALK SCHEDULE				
FROM STATION	TO STATION	OFFSET	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS
			SQ FT	SQ FT
3+04	3+36	LT	689.6	
3+31	3+36	LT		10.0
TOTAL			690	10

PATCHING SCHEDULE									
FROM STATION	TO STATION	OFFSET	WELDED WIRE REINFORCEMENT	CLASS B PATCHES, TYPE II, 13 INCH	CLASS B PATCHES, TYPE III, 13 INCH	CLASS B PATCHES, TYPE IV, 13 INCH	SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"
			SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH	EACH
0+80	1+05	LT	19.7		19.7		50.0	46	
2+25	2+55	LT	41.3			41.3	42.5	20	
3+73	4+02	LT	38.5			38.5	40.6	20	
NOMINAL PATCHING (SEE NOTE 1)					222.2		980.0	564	52
TOTAL			100	223	20	80	1114	650	52

NOTES:
1. FINAL LOCATIONS FOR PATCHING TO BE DETERMINED BY THE ENGINEER.
2. SEE PAVEMENT SCHEDULE FOR ADDITIONAL TIE BARS QUANTITIES.

EXISTING DRAINAGE SCHEDULE						
FROM STATION	TO STATION	OFFSET	CONCRETE HEADWALL REMOVAL	PIPE CULVERT REMOVAL	TRENCH BACKFILL	NOTE
			EACH	FOOT	CU YD	
0+60	1+21	93' LT	2	61.1	3.2	24"
2+22		87' LT	1			
TOTAL			3	61	4	

NOTES:
1. SEE STORM SEWER SCHEDULE FOR ADDITIONAL TRENCH BACKFILL QUANTITIES.

STORM SEWER SCHEDULE										
SLOPE	FROM			TO			TRENCH BACKFILL	STORM SEWERS, CLASS A, TYPE 2 12"	STORM SEWERS, CLASS A, TYPE 2 18"	STORM SEWERS, CLASS A, TYPE 2 24"
	STATION	OFFSET	INVERT ELEVATION	STATION	OFFSET	INVERT ELEVATION				
0.20%	0+60	93' LT	692.21	2+22	87' LT	692.53	12.6			163
0.44%	2+22	87' LT	692.53	2+23	134' LT	692.74	1.0	47		
0.26%	2+22	87' LT	692.53	3+19	85' LT	692.78			97	
0.44%	3+19	85' LT	692.78	3+19	111' LT	692.90	1.0	26		
0.44%	3+19	85' LT	692.78	3+90	123' LT	693.14	4.0	81		
TOTAL							19	154	97	163

NOTES:
1. SEE EXISTING DRAINAGE SCHEDULE FOR ADDITIONAL TRENCH BACKFILL QUANTITIES.

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	DRAWN -	REVISED -
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PLOT DATE = 9/2/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI 80 (I-80) WB WEIGH STATION
SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	11
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

STRUCTURE SCHEDULE										
STATION	OFFSET	RIM ELEVATION	INVERT ELEVATION				PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	INLETS, TYPE A, TYPE 24 FRAME AND GRATE
							EACH	EACH	EACH	EACH
0+60	93' LT		692.21 E							
2+22	87' LT	696.91	692.53 W	692.53 N	692.53 E	(692.71) S				
2+23	134' LT	(695.91)	692.74 S							1
3+19	85' LT	696.99	692.78 W	692.78 N	692.78 NE			1		
3+19	111' LT	(695.31)	692.90 S							1
3+90	123' LT	(695.65)	693.14 SW							1
TOTAL						1	1	1		3

LANDSCAPING SCHEDULE										
FROM STATION	TO STATION	OFFSET	AREA	SEEDING CLASS 2A	SEEDING CLASS 4A	SEEDING CLASS 5	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MOWING
			SQ FT	ACRE	ACRE	ACRE	POUND	POUND	POUND	ACRE
0+60	0+75	LT	96.97	0.00			0.2	0.2	0.2	0.00
1+11	3+31	LT	6805.79	0.16			14.1	14.1	14.1	0.16
1+28	3+31	LT	10476.62		0.24	0.24				0.24
3+29	5+53	LT	7174.66	0.16			14.8	14.8	14.8	0.16
3+36	5+39	LT	11195.54		0.26	0.26				0.26
TOTAL				0.32	0.50	0.50	29.1	29.1	29.1	0.82
ROUNDED TOTAL				0.50	0.50	0.50	30	30	30	1.00

EROSION CONTROL SCHEDULE					
FROM STATION	TO STATION	OFFSET	PERIMETER EROSION BARRIER	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING
			FOOT	SQ YD	POUND
0+60	0+75	LT	41.1		
0+60	0+75	LT		10.8	0.7
1+11	3+31	LT		1920.3	119.0
3+29	5+53	LT		2041.1	126.5
TOTAL			42	3973	247

PAVEMENT MARKING SCHEDULE									
START STATION	END STATION	OFFSET	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"		MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	SHORT TERM PAVEMENT MARKING REMOVAL
			SOLID WHITE	SOLID WHITE	SOLID YELLOW	50' SPACING, 45° DIAGONAL, WHITE	SOLID WHITE	SOLID WHITE	SQ FT
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	
1+95	4+02	LT		206.8					
1+95	4+02	LT			206.6				
2+55	3+73	LT			117.8				
2+32	2+43	LT				16.0			
2+82	2+94	LT				16.0			
3+32	3+40	LT				11.0			
3+72		LT					11.4		
3+79		LT	20.8						
3+82	3+90	LT				11.0			
RAMP EXIT LANE LINE								600.0	400.0
SUBTOTAL			20.8	206.8	324.4	53.9	11.4	600.0	400.0
TOTAL			21		532	54	12	600	400

SIGNING SCHEDULE												
EXISTING STATION	EXISTING OFFSET	PROPOSED STATION	PROPOSED OFFSET	PROPOSED MOUNTING TYPE	DESIGNATION	DESCRIPTION	PANEL WIDTH	PANEL HEIGHT	PANEL AREA	TELESCOPING STEEL SIGN SUPPORT	BASE FOR TELESCOPING STEEL SIGN SUPPORT	REMOVE AND REINSTALL SIGN PANEL
							INCH	INCH	SQ FT	FOOT	EACH	SQ FT
3+14	16.9' LT	3+14	16.9' LT	GROUND	CUSTOM	SPLIT DRIVE AXLES HERE	18	24	3.0	15.0	1	8
						TRUCK SYMBOL AND ARROW	18	18	2.3			
						OPEN WINDOW	15	12	1.3			
						THEN PROCEED SLOWLY	15	12	1.3			
TOTAL										15	1	8

TEMPORARY INFORMATION SIGNING SCHEDULE				
LOCATION	DESCRIPTION	SIGN AREA	QTY	TEMPORARY INFORMATION SIGNING
		SQ FT		SQ FT
AT "WEIGH STATION 1 MILE"	"RAMP CLOSED"	20	1	20
AT "WEIGH STATION NEXT RIGHT"	"RAMP CLOSED"	20	1	20
AT "WEIGH STATION" OVERHEAD EXIT CANTILEVER	"RAMP CLOSED"	20	1	20
RAMP CLOSURE ADVANCE INFO SIGN (AT CLOSURE)	"RAMP CLOSED"	20	2	40
TOTAL				100

MODEL: Schedules-2 [Sheet]
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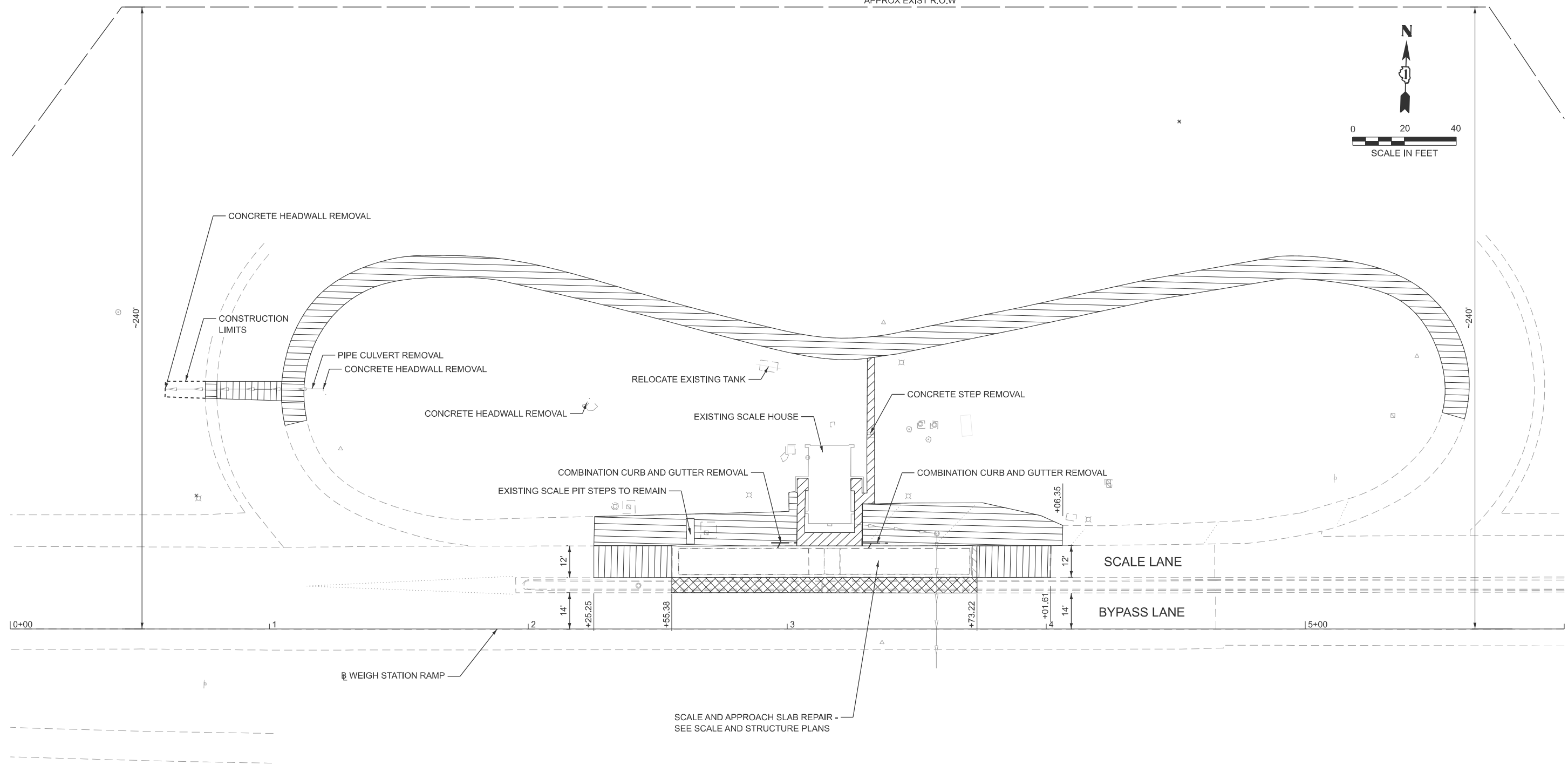
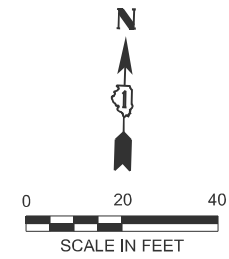
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI 80 (I-80) WB WEIGH STATION
SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	12
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

APPROX EXIST R.O.W



LEGEND

- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- CLASS B PATCHES, 13"
- MEDIAN REMOVAL
- LINEAR REMOVAL

ALIGNMENT COORDINATES - WEIGH STATION RAMP			
POINT	STATION	NORTHING	EASTING
POT	0+00.00	1779345.3910	1124280.0400
POT	7+00.00	1779363.1898	1124979.8137

MODEL: E:\B\ - Plan 1 (Sheet)
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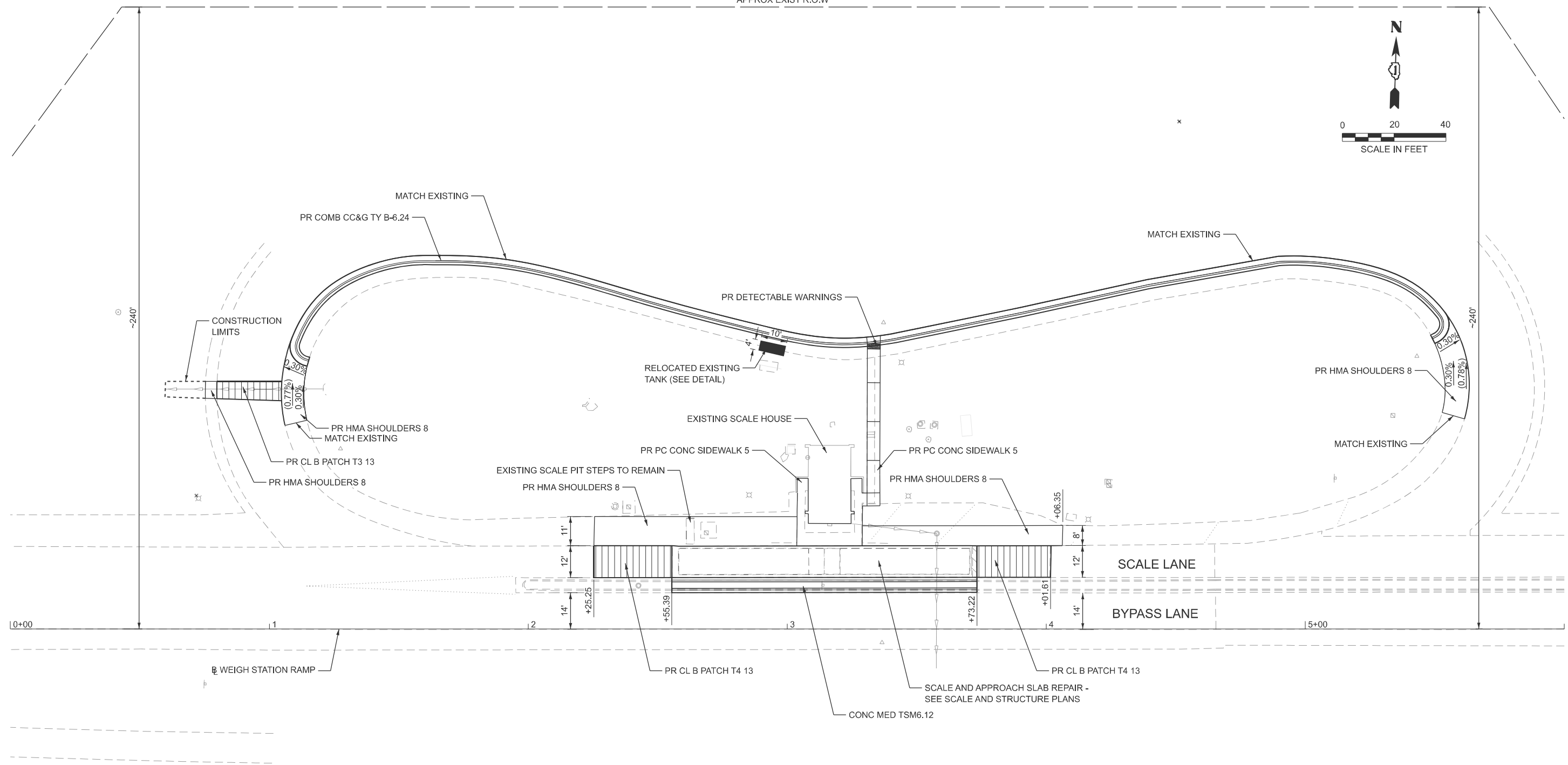
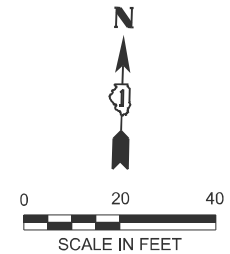
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI 80 (I-80) WB WEIGH STATION
REMOVAL PLAN

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 6+00.00

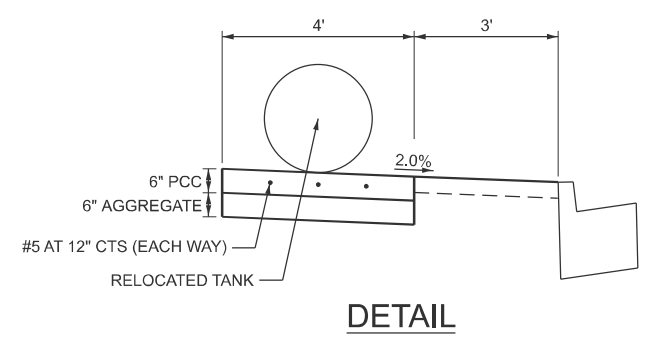
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	13
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

APPROX EXIST R.O.W



NOTES

- 1. FOR PROPOSED DRAINAGE ITEMS SEE DRAINAGE PLANS.
- 2. FOR SIDEWALK DETAILS SEE PROPOSED PLAN - SIDEWALK DETAILS.



MODEL: E:\B\ - Plan 1 (Sheet)
FILE NAME: C:\2022\3\DOT\CAD CONNECT\1035.25\DOT D1 PTB 199-012.WO 25.WB 180.Weigh Station\CADD Data\Sheet\180B76-shr-plan.dgn



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PLOT DATE = 7/22/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI 80 (I-80) WB WEIGH STATION
ROADWAY PLAN**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 6+00.00

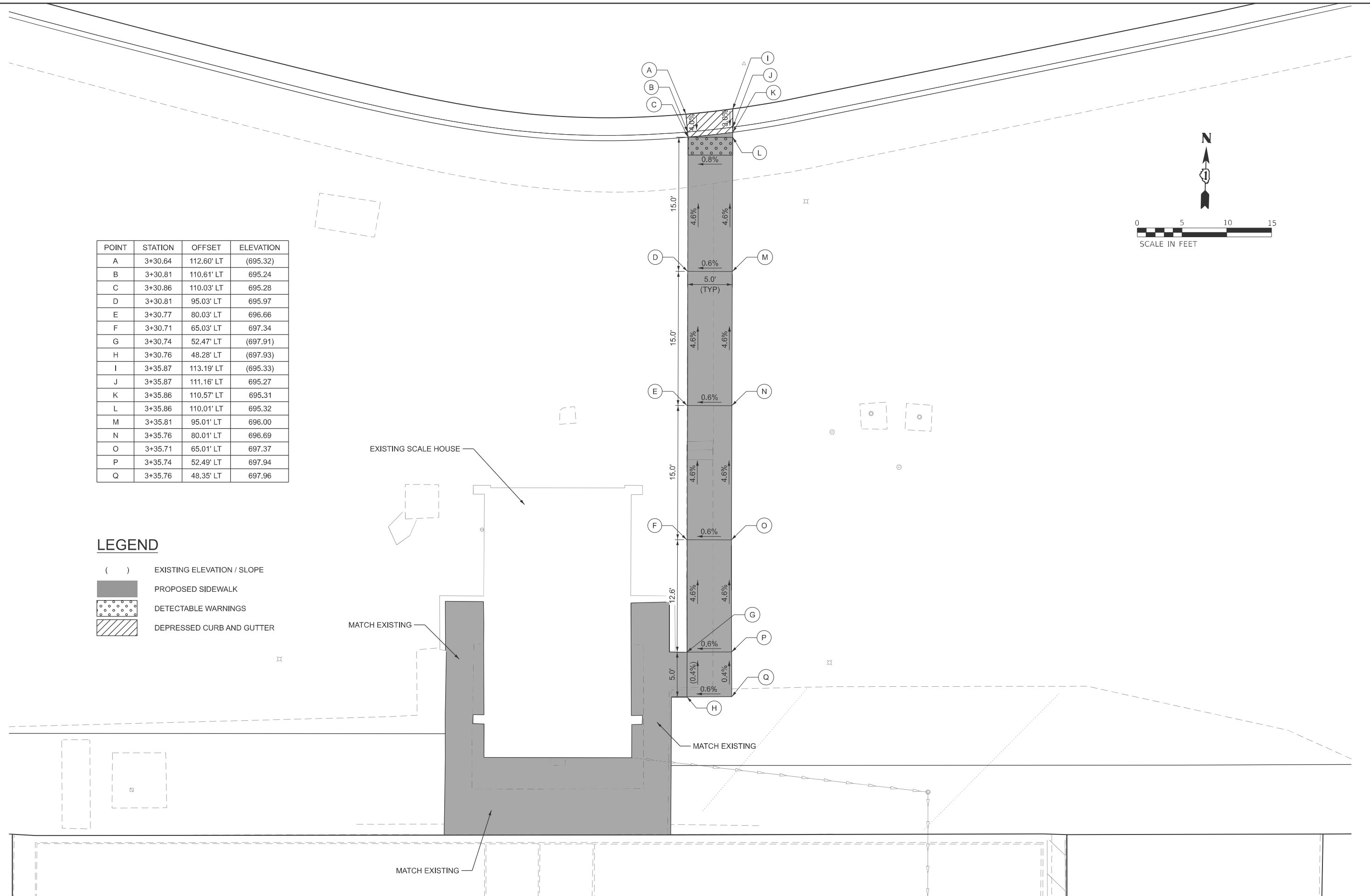
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80	2025-2038-I,PP,DR	WILL	31	14
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

MODEL: Sidewalk (Sheet)
 FILE NAME: C:\2022\23\DOTCAD CONNECT\1035.25 IDOT D1 PTB 199-012 WO 25 WB 180 Weigh Station\CADD Data\Sheet\180B76-shr-plan-sidewalk.dgn

POINT	STATION	OFFSET	ELEVATION
A	3+30.64	112.60' LT	(695.32)
B	3+30.81	110.61' LT	695.24
C	3+30.86	110.03' LT	695.28
D	3+30.81	95.03' LT	695.97
E	3+30.77	80.03' LT	696.66
F	3+30.71	65.03' LT	697.34
G	3+30.74	52.47' LT	(697.91)
H	3+30.76	48.28' LT	(697.93)
I	3+35.87	113.19' LT	(695.33)
J	3+35.87	111.16' LT	695.27
K	3+35.86	110.57' LT	695.31
L	3+35.86	110.01' LT	695.32
M	3+35.81	95.01' LT	696.00
N	3+35.76	80.01' LT	696.69
O	3+35.71	65.01' LT	697.37
P	3+35.74	52.49' LT	697.94
Q	3+35.76	48.35' LT	697.96

LEGEND

- () EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- ▤ DETECTABLE WARNINGS
- ▨ DEPRESSED CURB AND GUTTER



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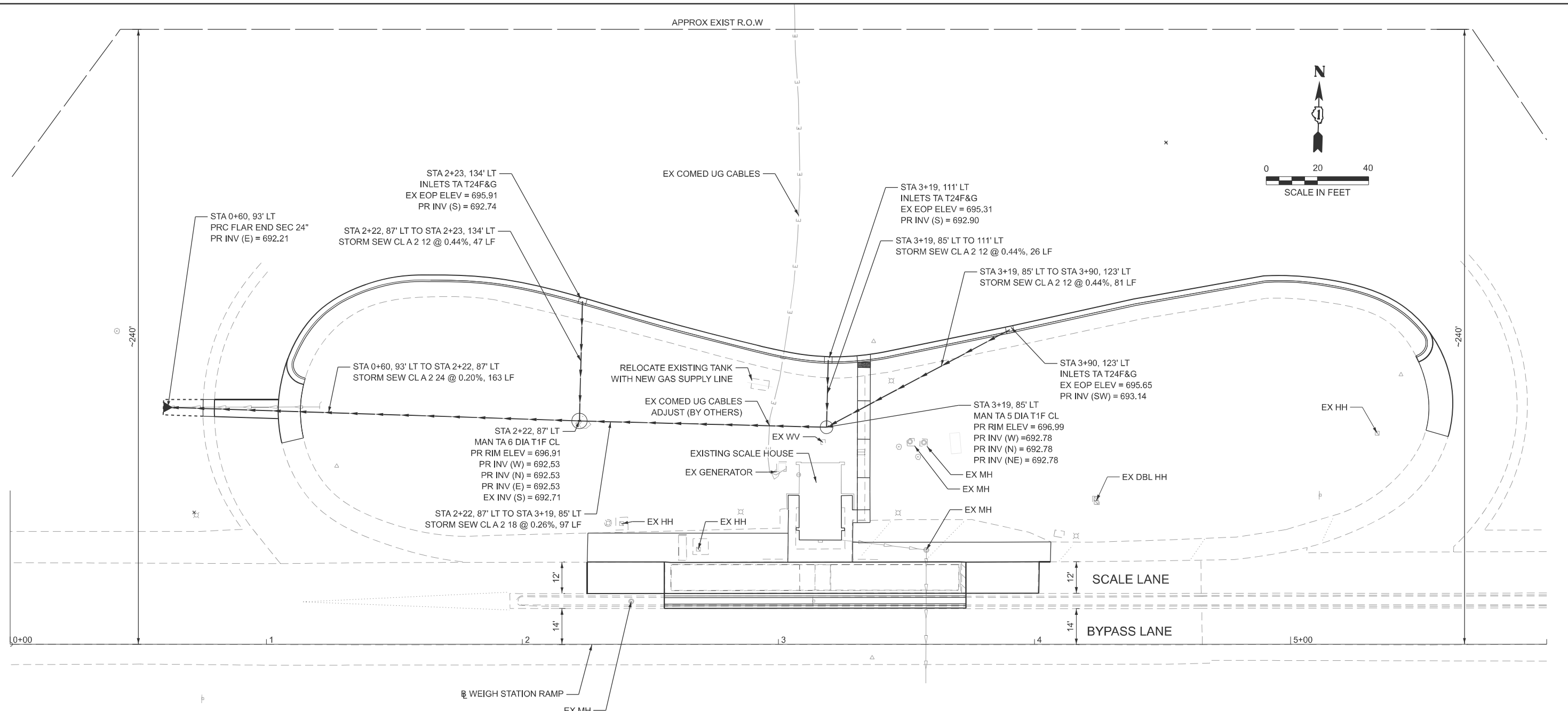
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAI 80 (I-80) WB WEIGH STATION
 PROPOSED PLAN - SIDEWALK DETAILS**

SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	15
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

MODEL: EX-BL-Drain - Plan 1 (Sheet)
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NOTES

1. THE CONTRACTOR SHALL MEET THE EXISTING ELEVATIONS OF ALL MANHOLES, HANDHOLES, TREES, GENERATOR, AND LIGHT POLES UNLESS OTHERWISE NOTED IN THE PLANS.



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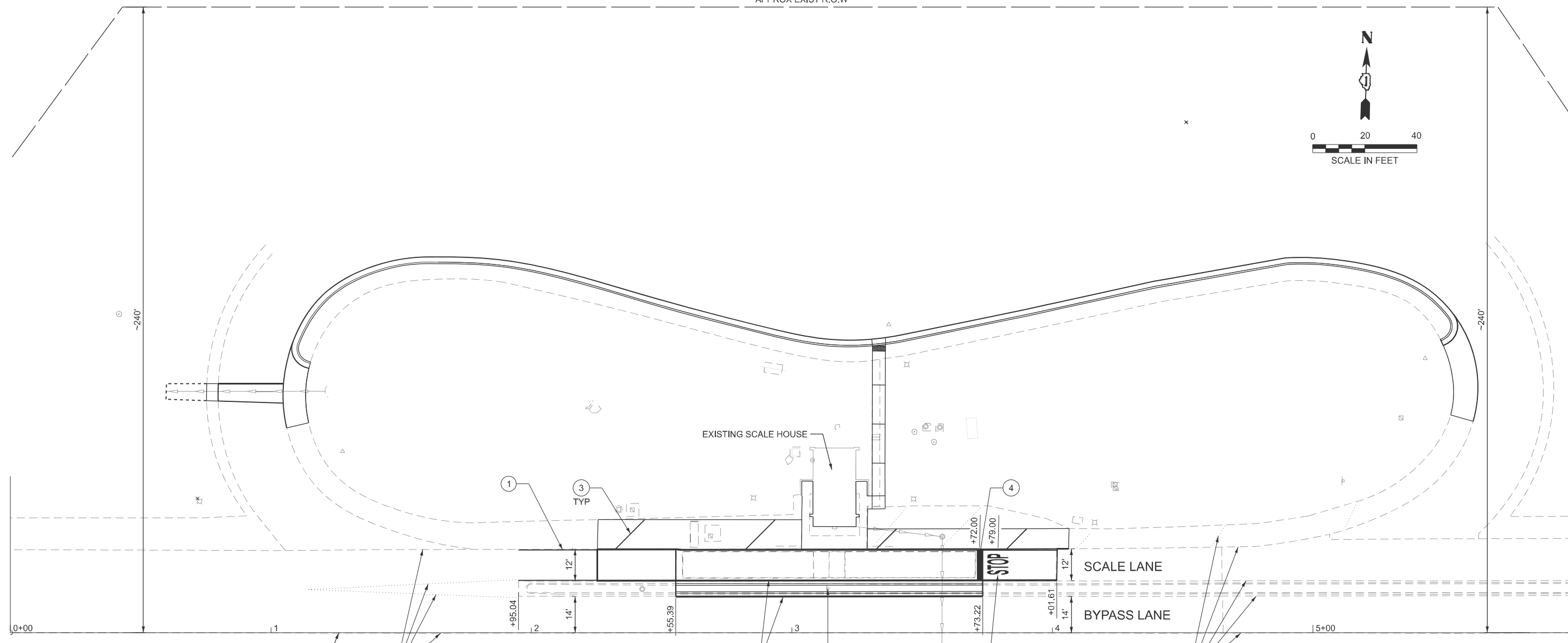
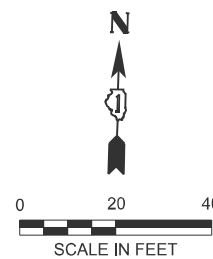
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAI 80 (I-80) WB WEIGH STATION
 DRAINAGE AND UTILITY PLAN**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 6+00.00

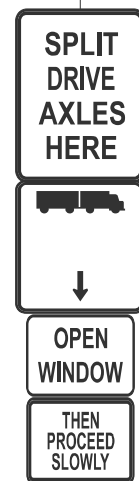
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	16
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

APPROX EXIST R.O.W



LEGEND

- (A) EXISTING PAVEMENT MARKING TO REMAIN
- (1) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- (2) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- (3) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (50' SPACING, 45° DIAGONAL, WHITE)
- (4) MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- (5) MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)



REMOVE & REINSTALL
SIGN PANEL - TYPE 1
CUSTOM-1824
CUSTOM-1818
CUSTOM-1512
CUSTOM-1512
STA 3+14, 16.9' LT

MODEL: E:\B\PMK (Sheet)
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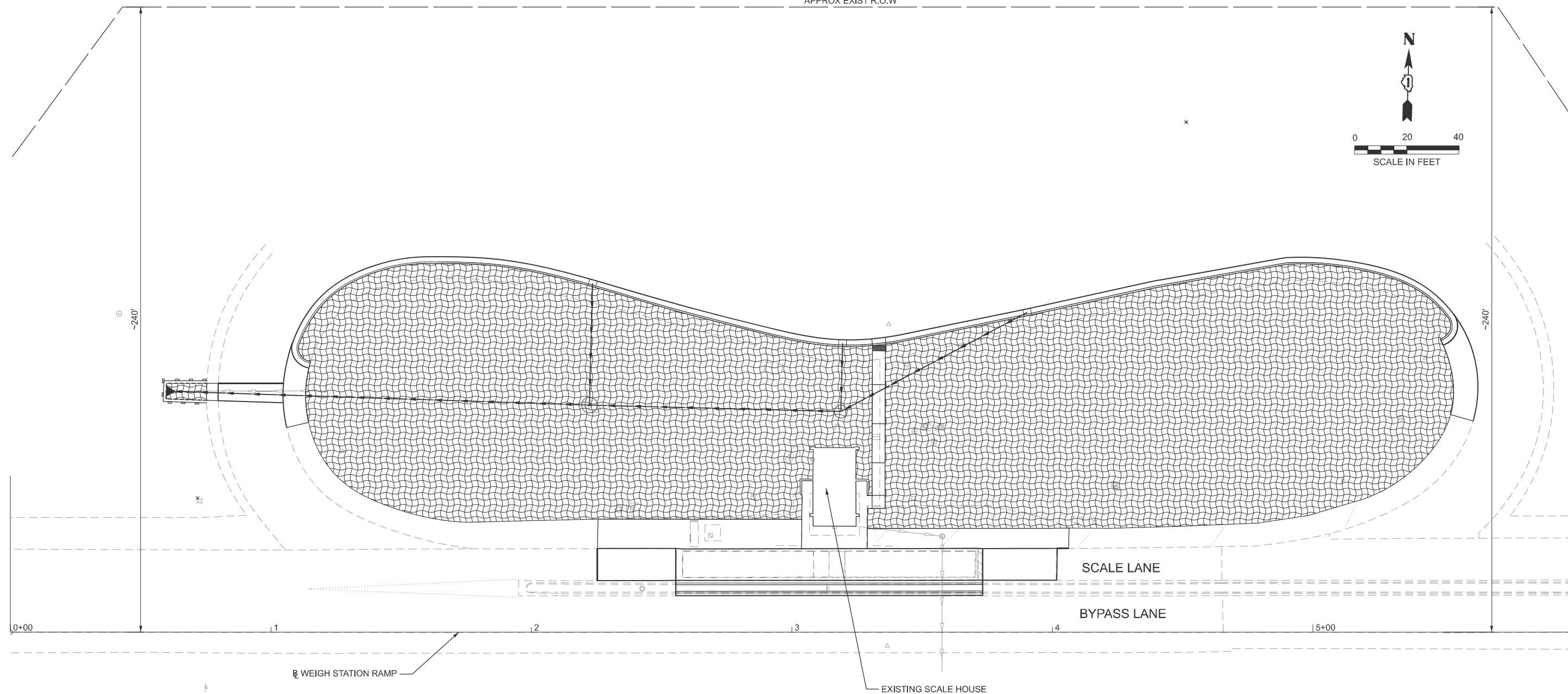
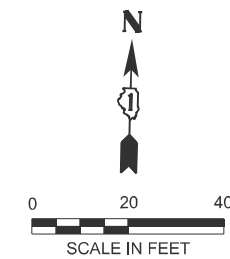
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI 80 (I-80) WB WEIGH STATION
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 6+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B76	

APPROX EXIST R.O.W



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING

MODEL: E:\B\ - Eros (Sheet)
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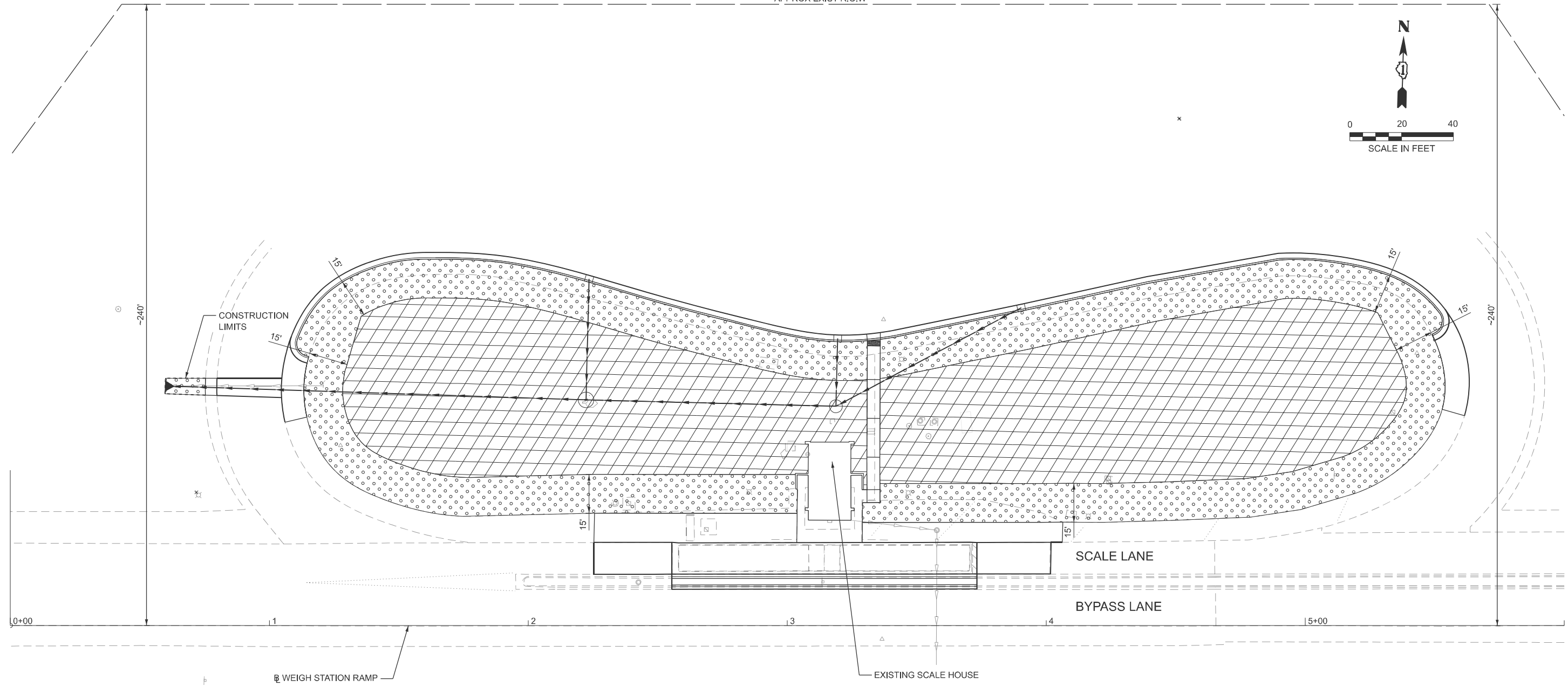
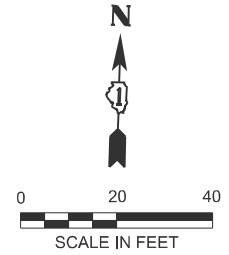
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI 80 (I-80) WB WEIGH STATION
EROSION AND SEDIMENT CONTROL PLAN

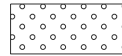

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 6+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	18
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

APPROX EXIST R.O.W



LEGEND

-  SEEDING CL 2A
EROSION CONTR BLANKET
NITROGEN FERT NUTR
PHOSPHOROUS FERT NUTR
POTASSIUM FERT NUTR
-  SEEDING CL 4A
SEEDING CL 5
EROSION CONTR BLANKET

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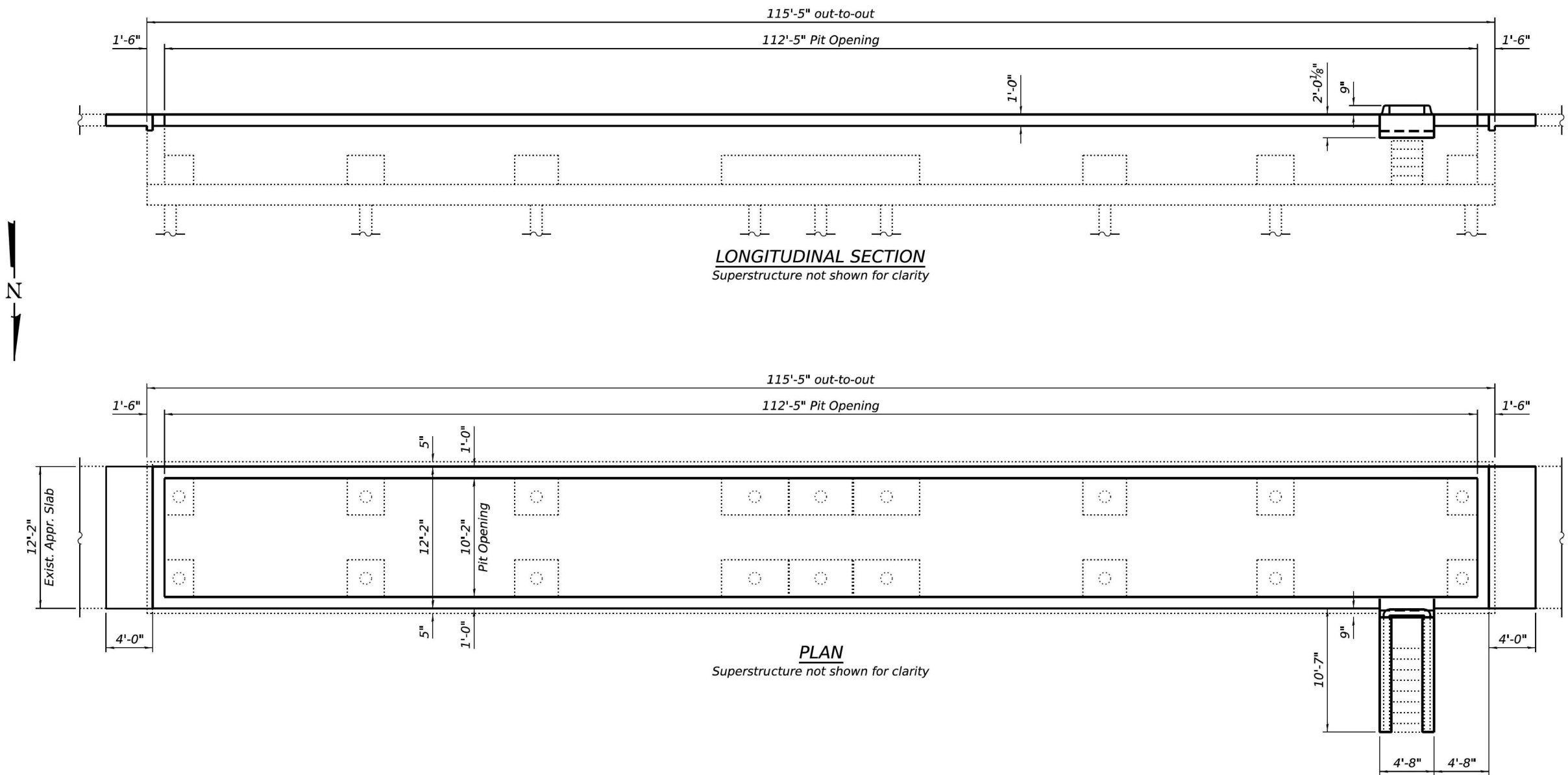
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI 80 (I-80) WB WEIGH STATION
LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 6+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	19
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
 Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to normal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 Coping angles and stud shear connectors shall be galvanized according to AASHTO M111 or M232 as applicable. For painting of scale components see Special Provision.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Removal of Existing Superstructures	Each	1
Concrete Removal	Cu. Yd.	15.0
Concrete Structures	Cu. Yd.	11.2
Protective Coat	Sq. Yd.	75
Concrete Superstructure (Approach Slab)	Cu. Yd.	3.8
Furnishing and Erecting Structural Steel	Pound	4,780
Reinforcement Bars, Epoxy Coated	Pound	1,560
Structural Repair of Concrete (Depth Equal to or less than 5 Inches)	Sq. Ft.	20
Furnishing and Installing Static Scale Components	L. Sum	1

LOADING HS20-44

No future wearing surface allowed
DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

NEW CONSTRUCTION
 $f_c = 4,000$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (Structural Steel)
EXISTING CONSTRUCTION
 $f_c = 1,000$ psi (Pit)
 $f_s = 20,000$ psi (Reinforcement)
 $f_s = 20,000$ psi (Structural Steel)

TITLE

1. General Plan and Elevation
2. Concrete Removal
3. Concrete Replacement
4. Concrete Replacement
5. Curb Removal at Pit Entrance
6. Curb Replacement at Pit Entrance

GENERAL PLAN & ELEVATION
W.B. FRANKFORT WEIGH STATION
F.A.I. RTE. 80 - SEC. 2025-2038-I,PP,DR
WILL COUNTY
STATION 1212+05.06

MODEL: \$MODELNAME\$.
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EFK Moen
 Civil Engineering Design

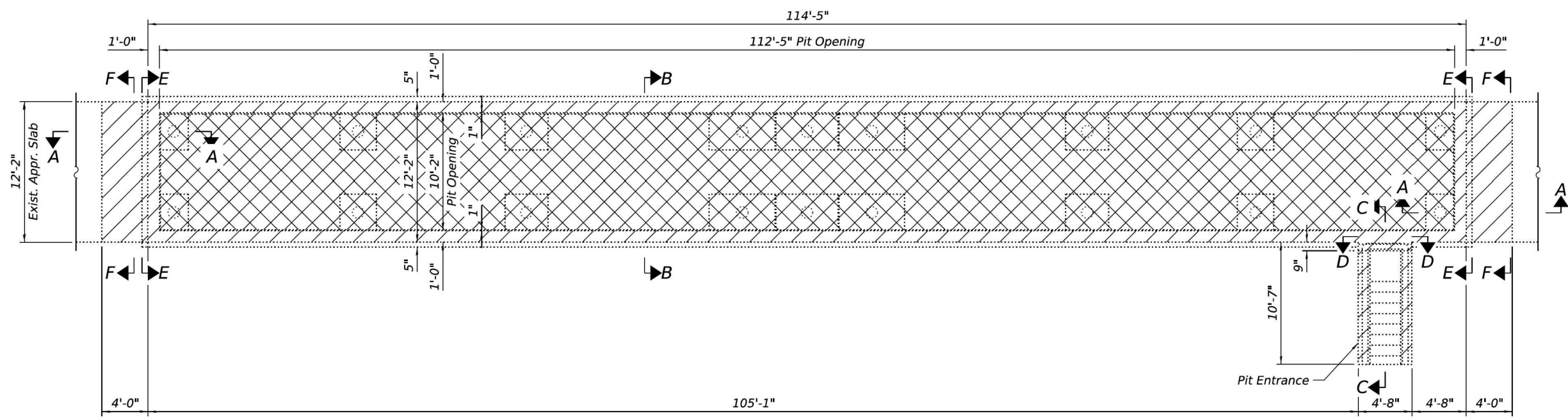
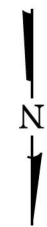
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

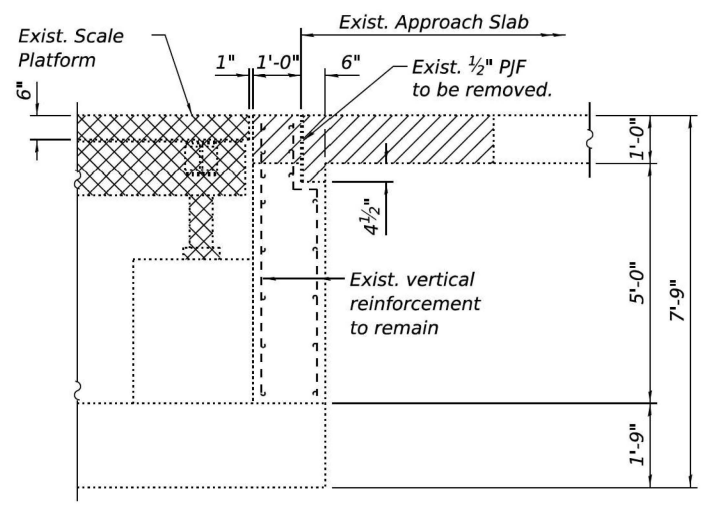
GENERAL PLAN AND ELEVATION
W.B. FRANKFORT WEIGH STATION

SHEET 1 OF 6 SHEETS

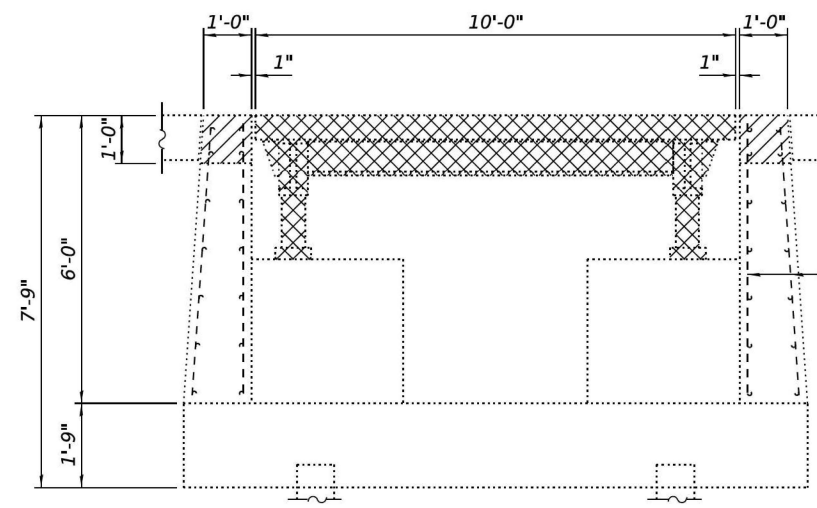
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	20
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				



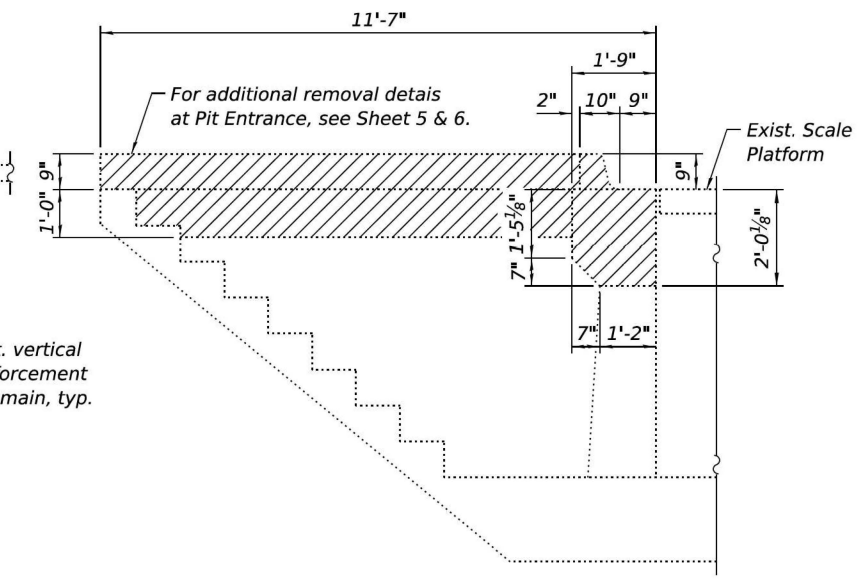
REMOVAL PLAN



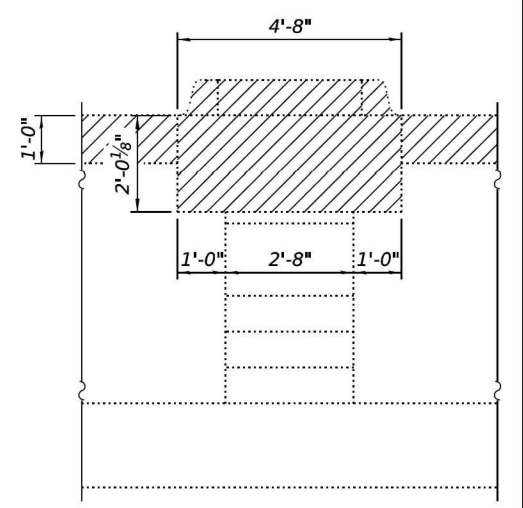
SECTION A-A



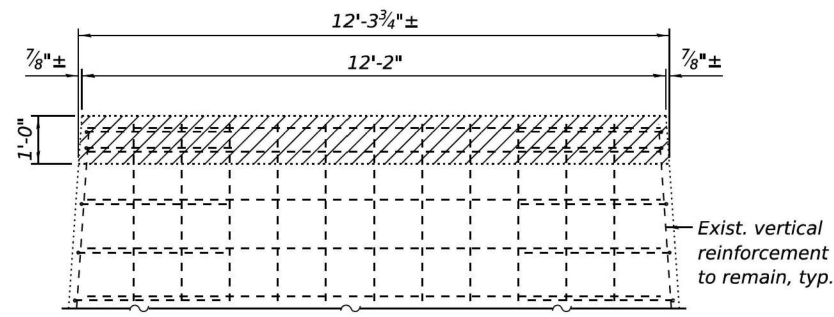
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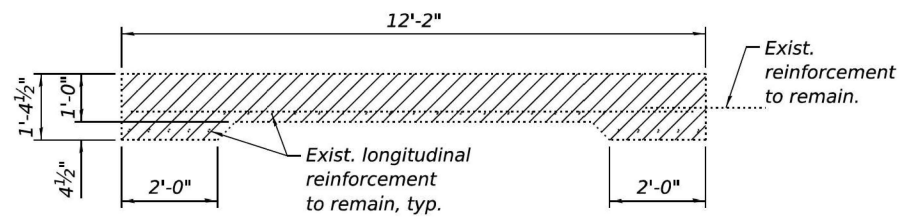
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

Notes:
 Hatched areas indicate Concrete Removal.
 Cross hatched areas indicate Removal of Existing Superstructures.

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 Civil Engineering Design

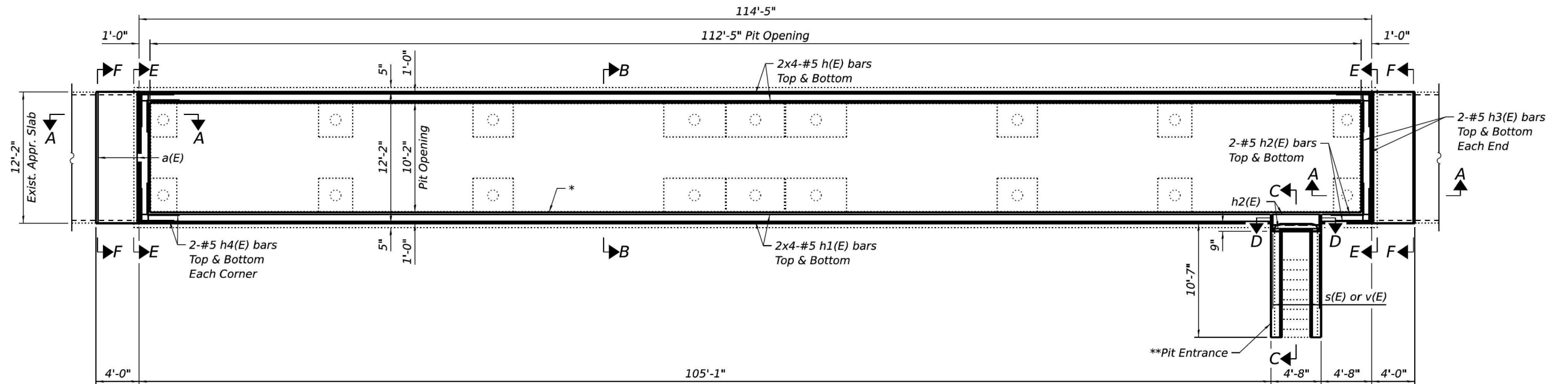
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL
 W.B. FRANKFORT WEIGH STATION

SHEET 2 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	21
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				



REPLACEMENT PLAN

* Structural Repair of Concrete $\leq 5"$ below concrete removal areas. Locations and size to be determined by the Engineer in the field.
 ** For Pit Entrance wall repair plans, pay items, and quantities, see Sheets 4 and 5.

MIN. BAR LAP
 #5 bar = 2'-9"

Notes:
 See Sheet 4 of 6 for Section A-A, B-B, C-C, D-D, E-E, and F-F.
 See Sheet 4 of 6 for bar bending details and Bill of Material.
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

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EFK Moen
 Civil Engineering Design

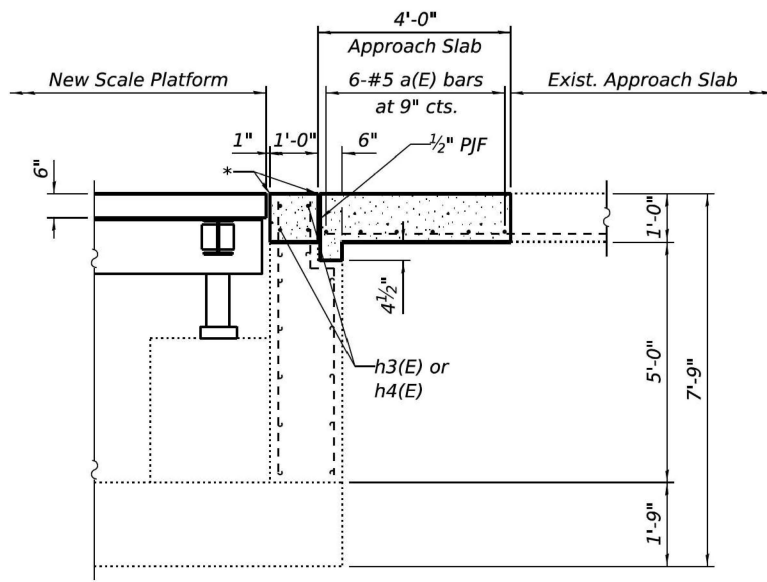
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

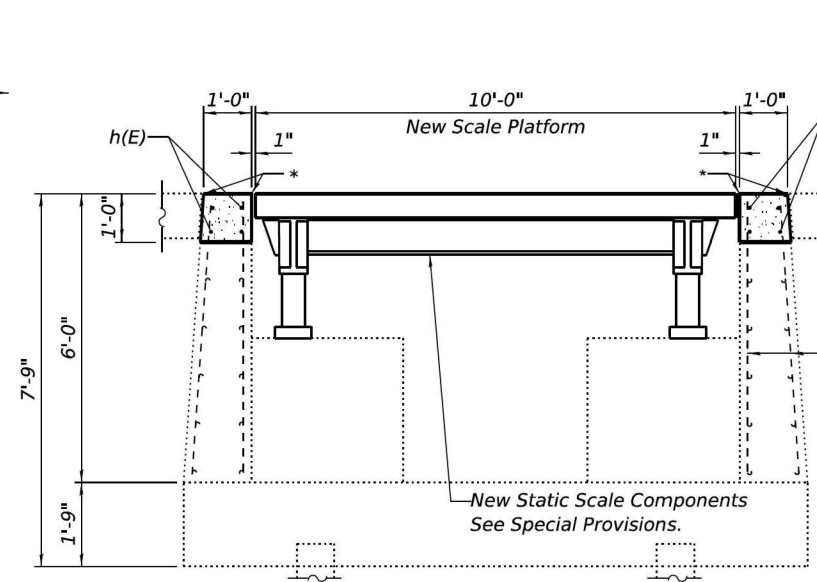
CONCRETE REPLACEMENT
W.B. FRANKFORT WEIGH STATION

SHEET 3 OF 6 SHEETS

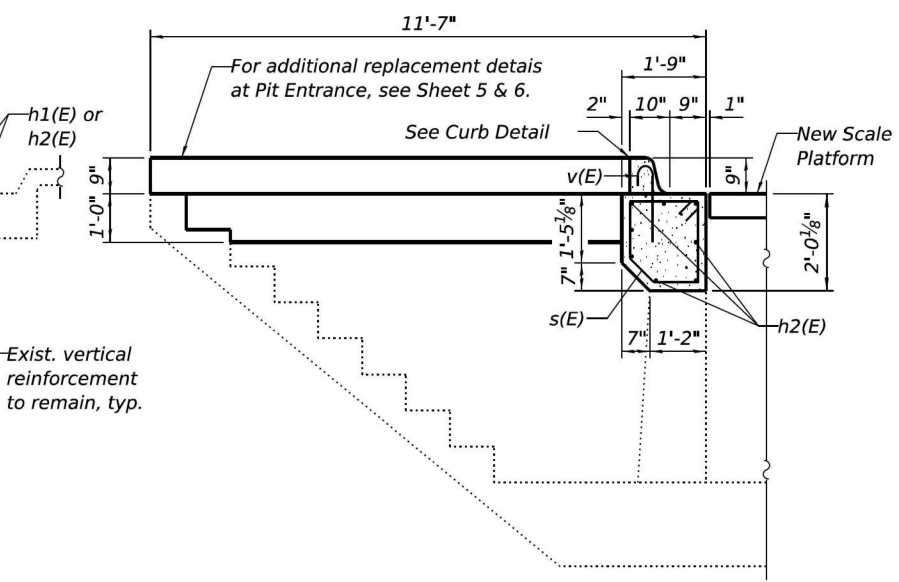
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	22
CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				



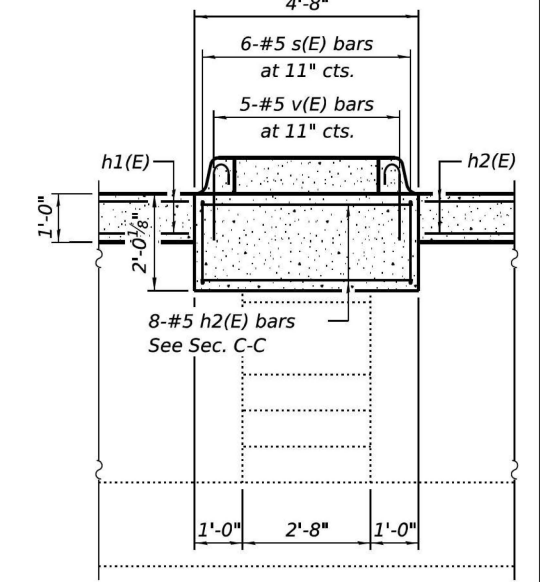
SECTION A-A



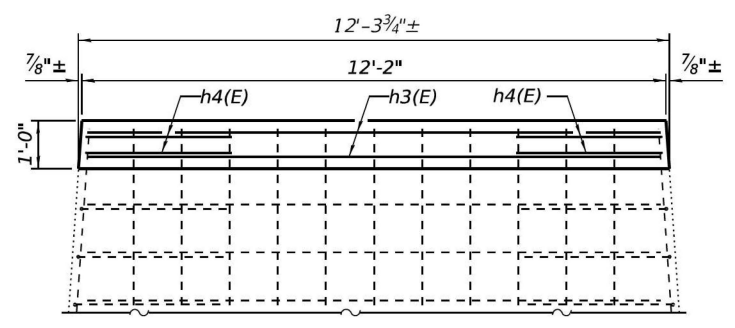
SECTION B-B



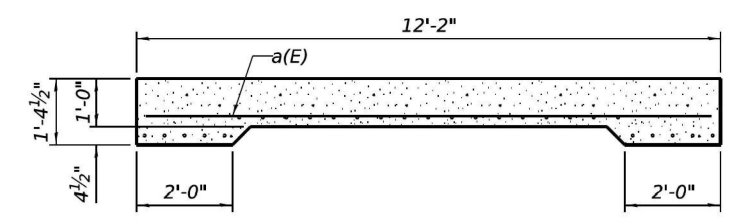
SECTION C-C



SECTION D-D

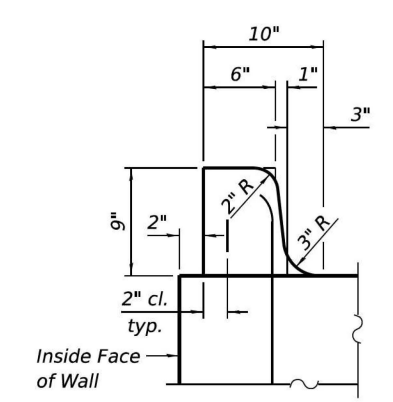


SECTION E-E

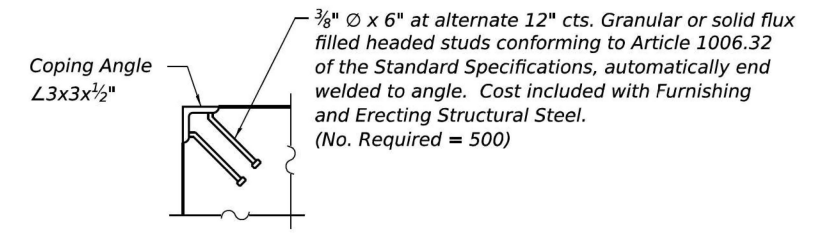


SECTION F-F

* Prop. Coping Angle $\angle 3x3x1/2$ "
(See Coping Detail)

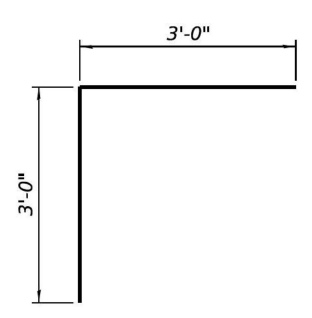


CURB DETAIL

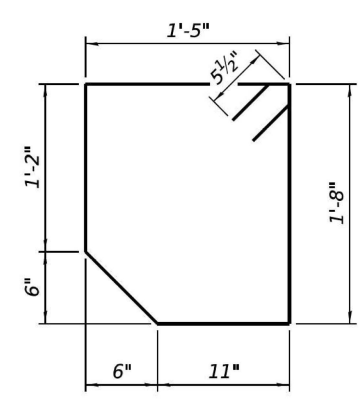


COPING DETAIL

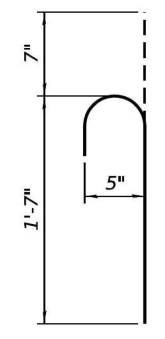
Steel Coping shall be paid for as Furnishing and Erecting Structural Steel.



BAR h4(E)



BAR s(E)



BAR v(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	12	#5	11'-10"	—
h(E)	16	#5	30'-7"	—
h1(E)	16	#5	28'-3"	—
h2(E)	12	#5	4'-4"	—
h3(E)	8	#5	11'-10"	—
h4(E)	16	#5	6'-0"	┌
s(E)	6	#5	6'-10"	□
v(E)	5	#5	2'-2"	└
Concrete Removal			Cu. Yd.	13.9
Concrete Structures			Cu. Yd.	10.1
Concrete Superstructure (Approach Slab)			Cu. Yd.	3.8
Reinforcement Bars, Epoxy Coated			Pound	1,440

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EFK Moen
Civil Engineering Design

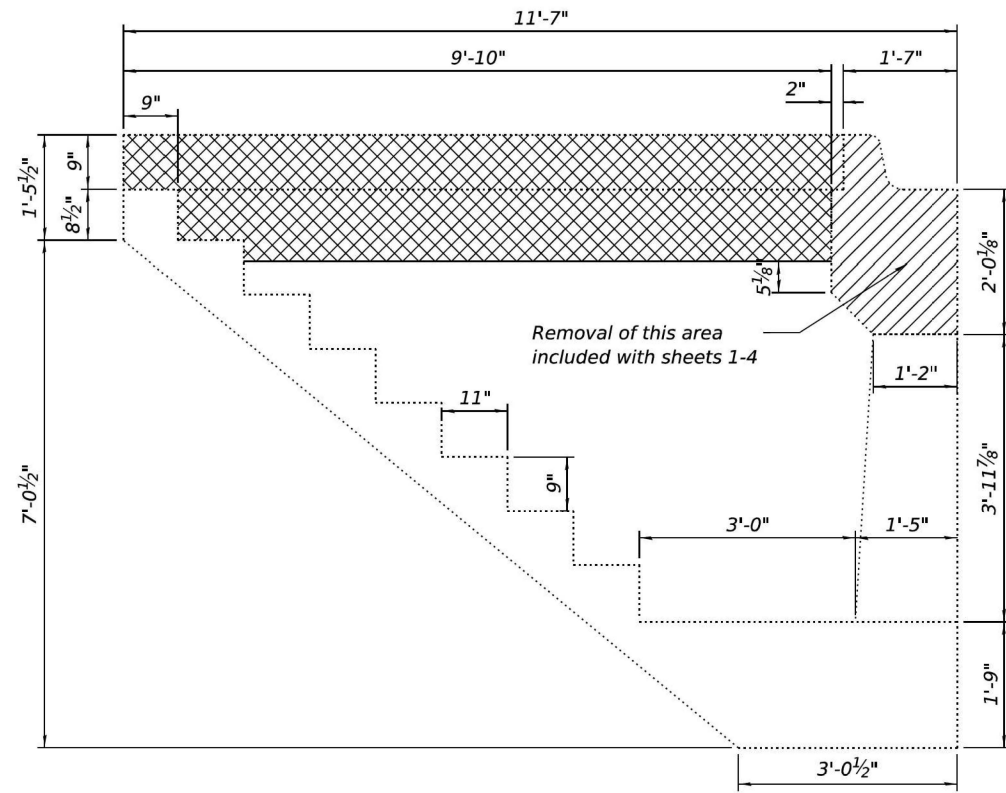
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

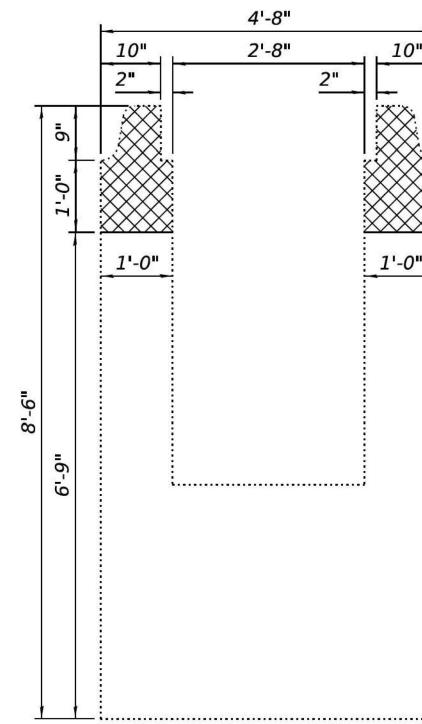
CONCRETE REPLACEMENT
W.B. FRANKFORT WEIGH STATION

SHEET 4 OF 6 SHEETS

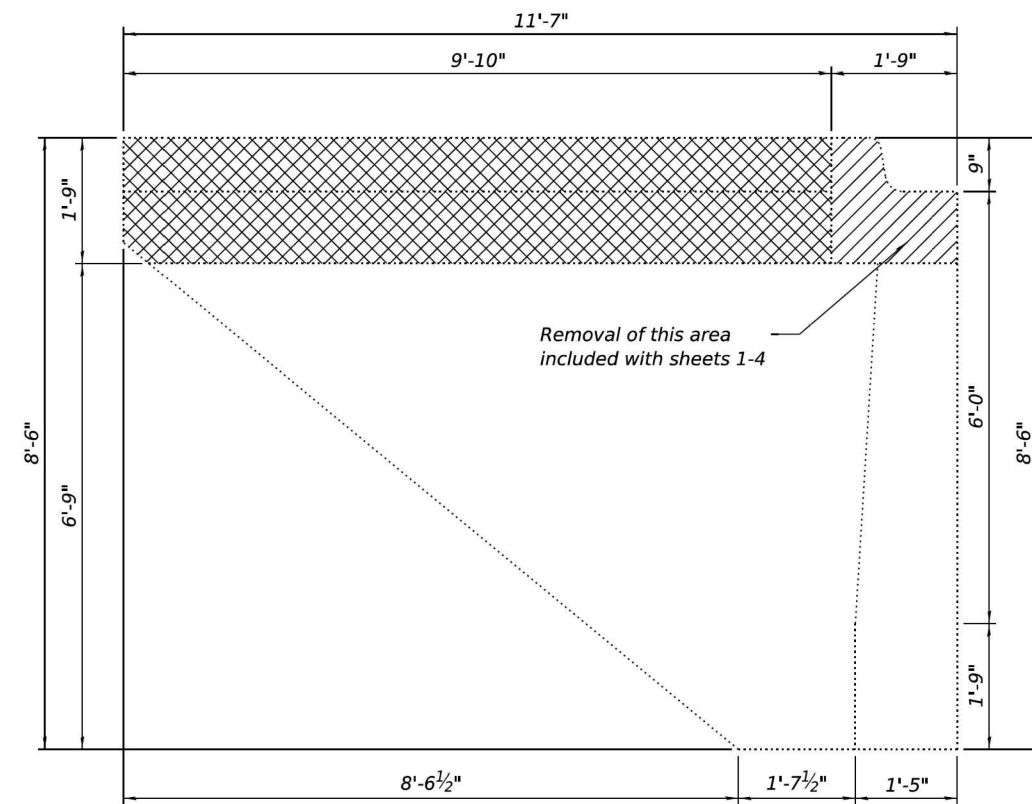
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80	2025-2038-I,PP,DR	WILL	31	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B76	



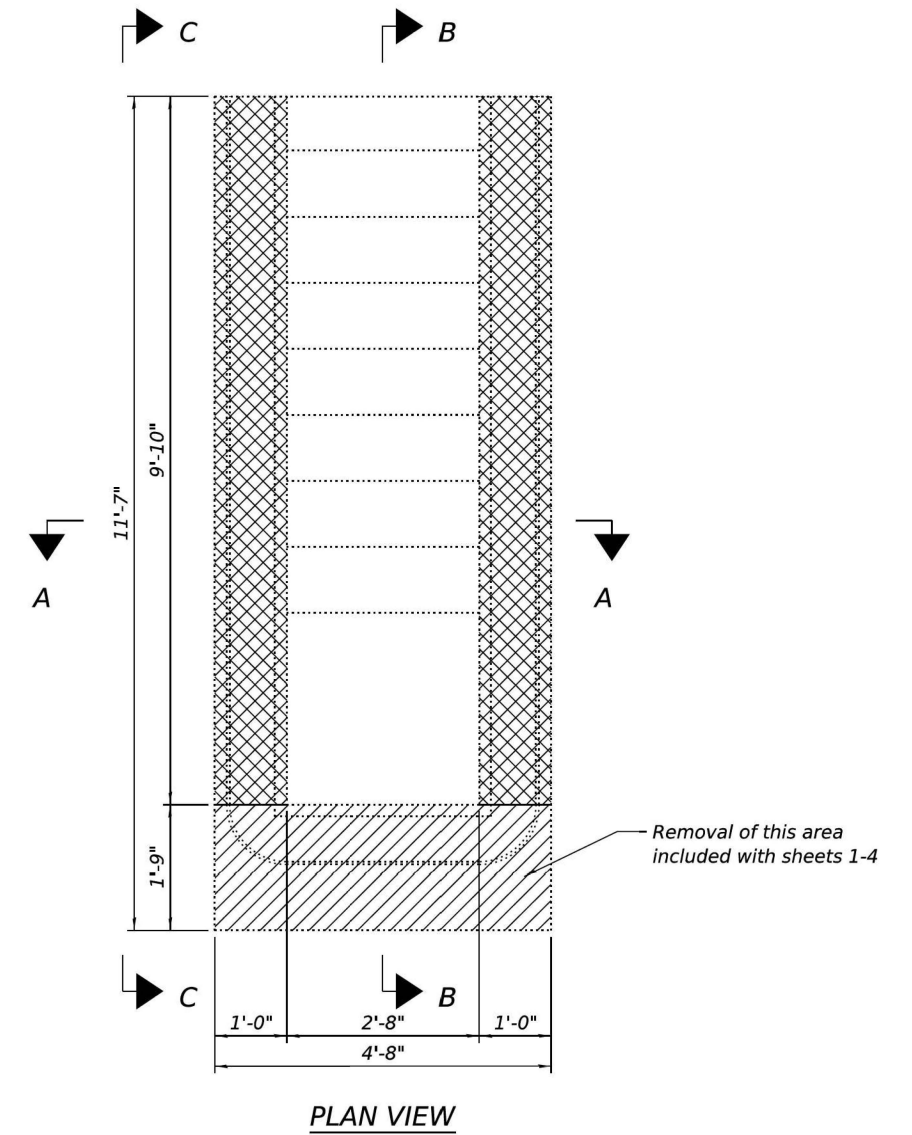
SECTION B-B



SECTION A-A



SECTION C-C



PLAN VIEW

Notes:
Crosshatched areas indicate removal.

MODEL: \$MODELNAME\$
FILE NAME: \$FILES

EFK Moen
Civil Engineering Design

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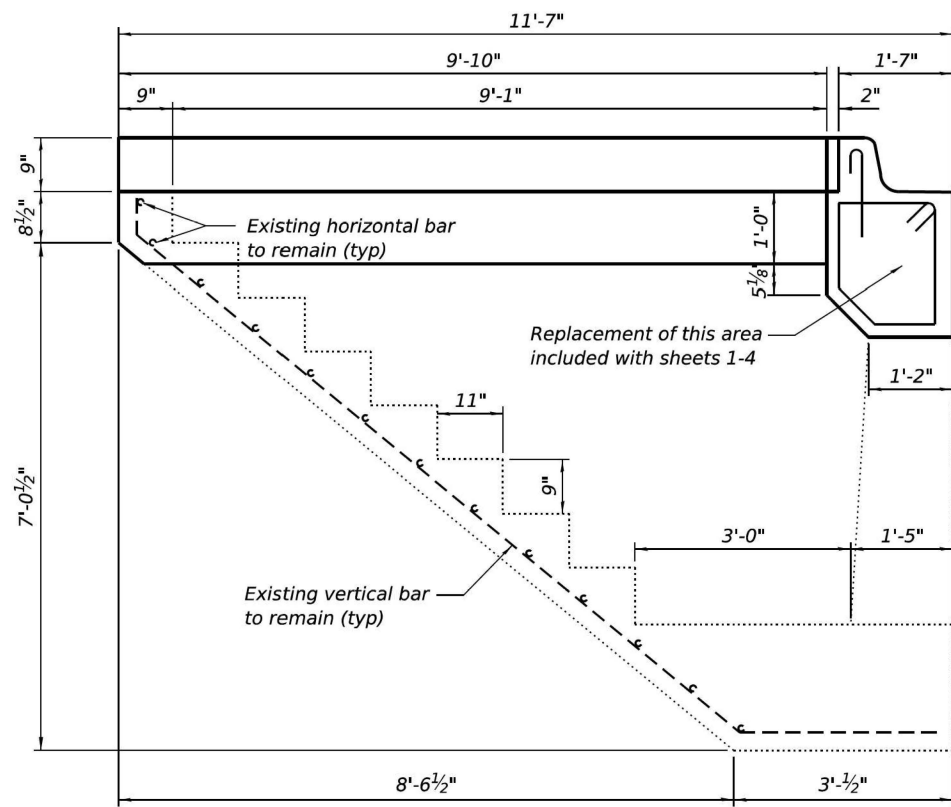
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB REMOVAL AT PIT ENTRANCE
W.B. FRANKFORT WEIGH STATION

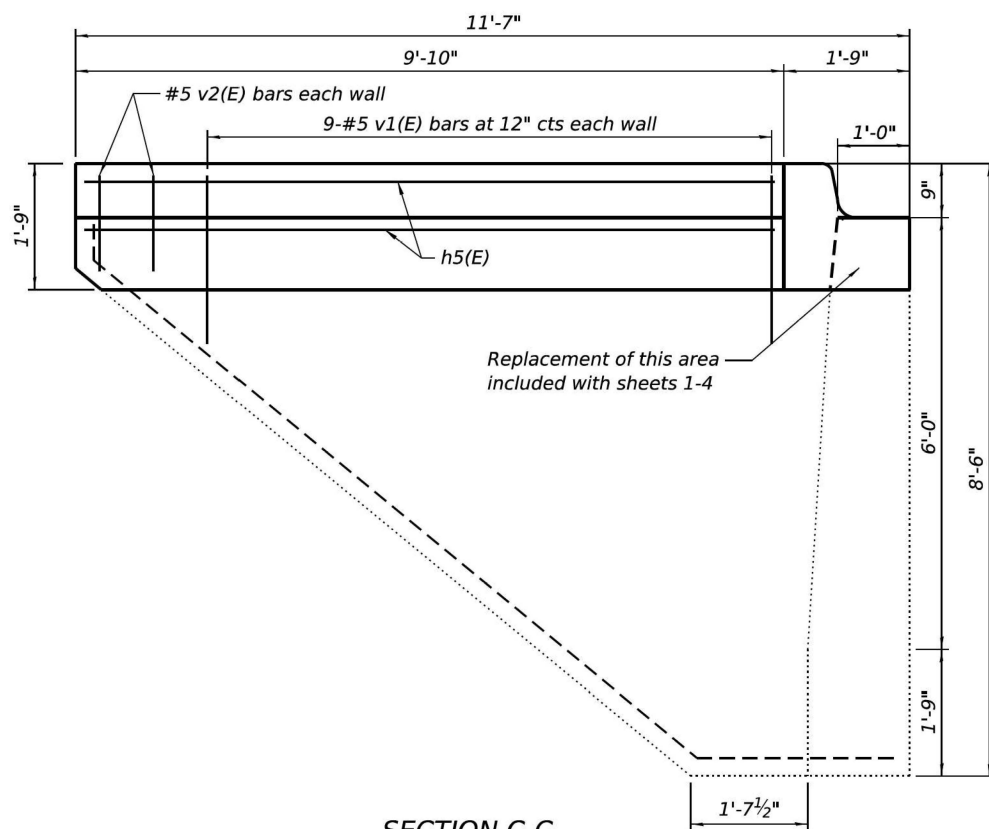
SHEET 5 OF 6 SHEETS

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CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

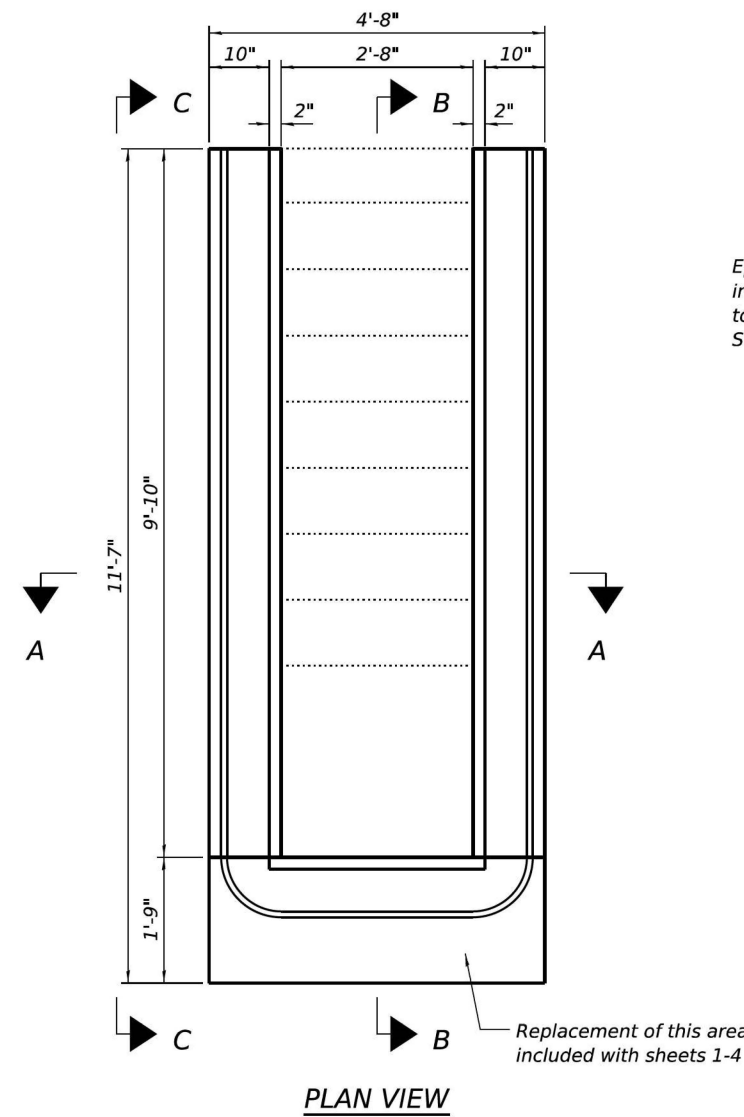
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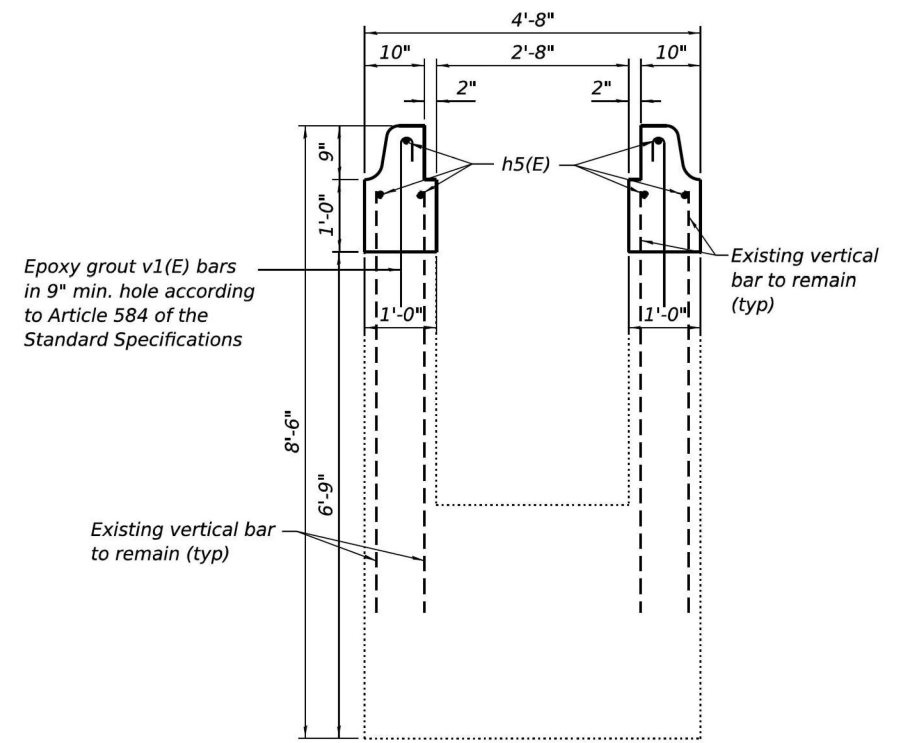
SECTION B-B



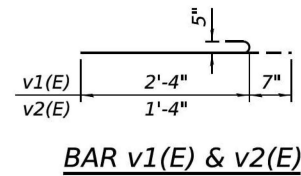
SECTION C-C



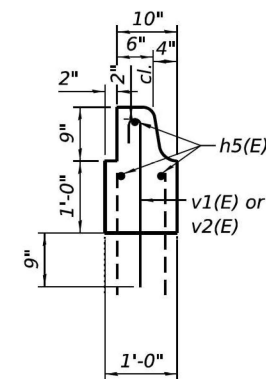
PLAN VIEW



SECTION A-A



BAR v1(E) & v2(E)



9" CURB DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h5(E)	6	#5	9'-6"	—
v1(E)	18	#5	2'-11"	⌋
v2(E)	4	#5	1'-11"	⌋
Concrete Removal			Cu. Yd.	1.1
Concrete Structures			Cu. Yd.	1.1
Reinforcement Bars, Epoxy Coated			Pound	120

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EFK Moen
Civil Engineering Design

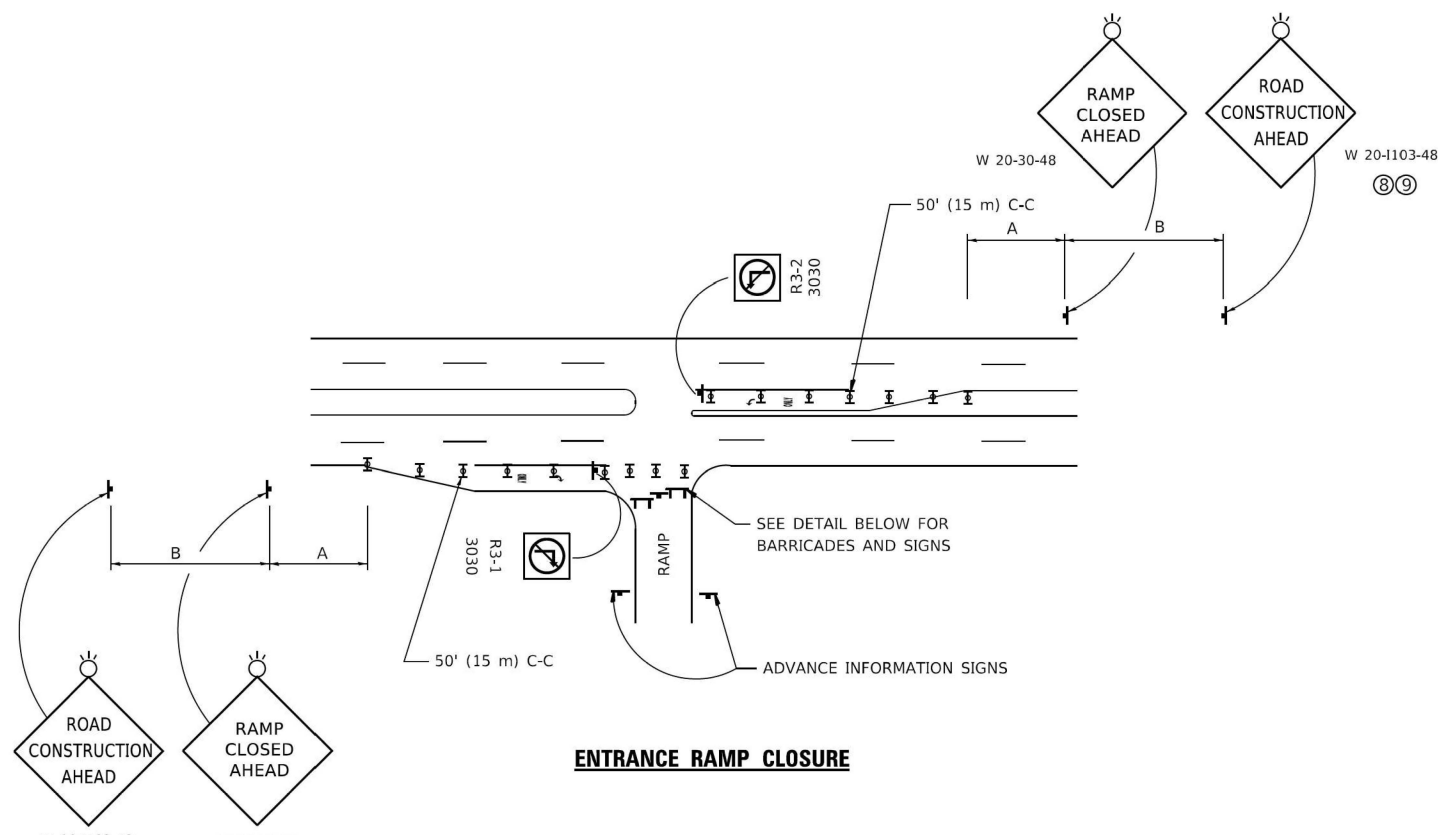
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	CHECKED - ACB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB REPLACEMENT AT PIT ENTRANCE
W.B. FRANKFORT WEIGH STATION

SHEET 6 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 80B76				
ILLINOIS FED. AID PROJECT				

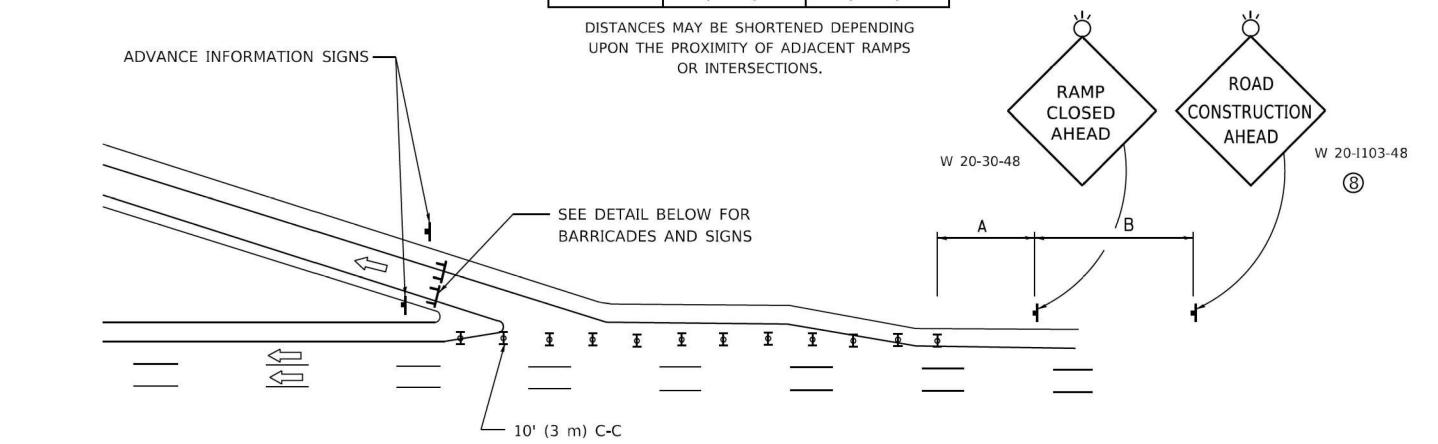


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

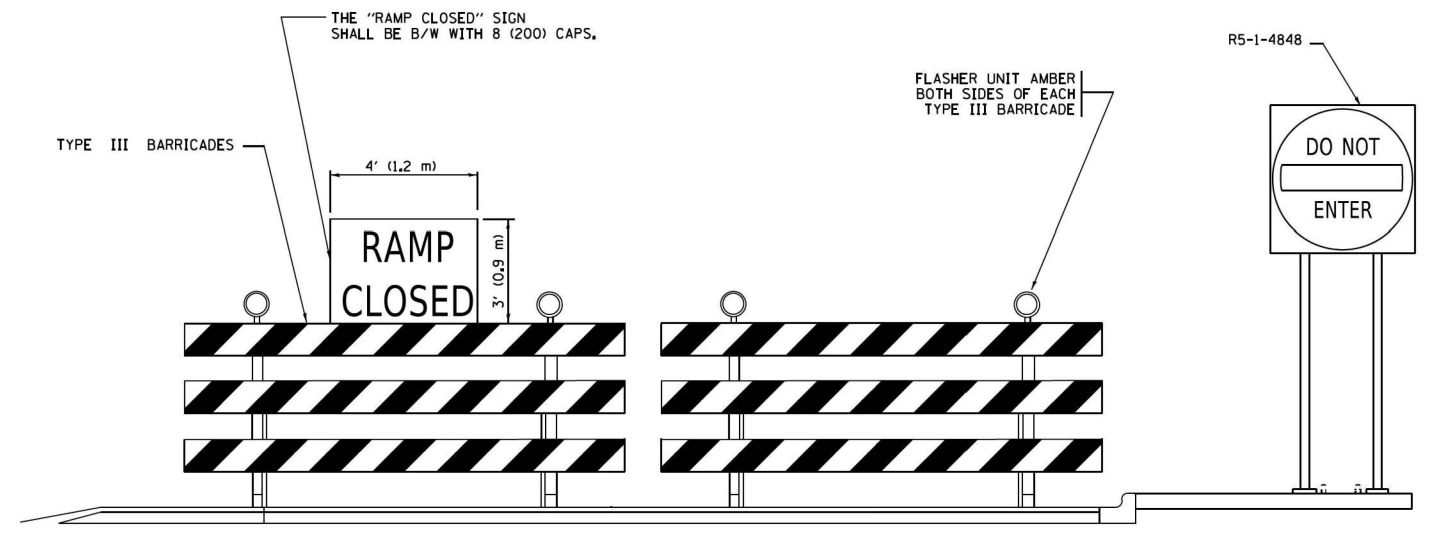
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

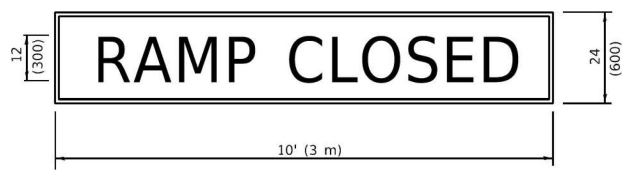
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

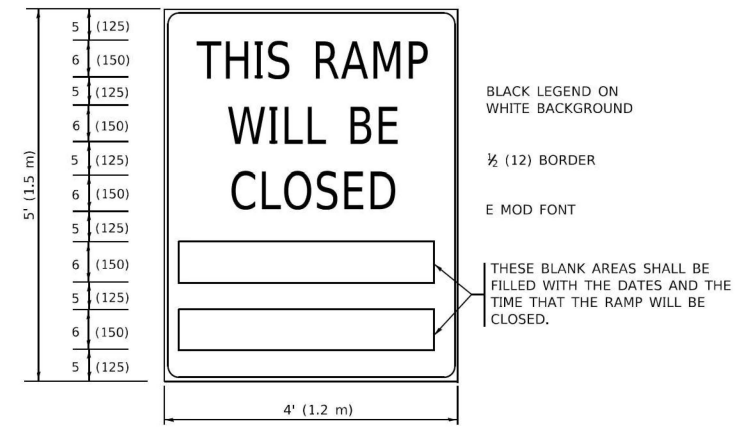
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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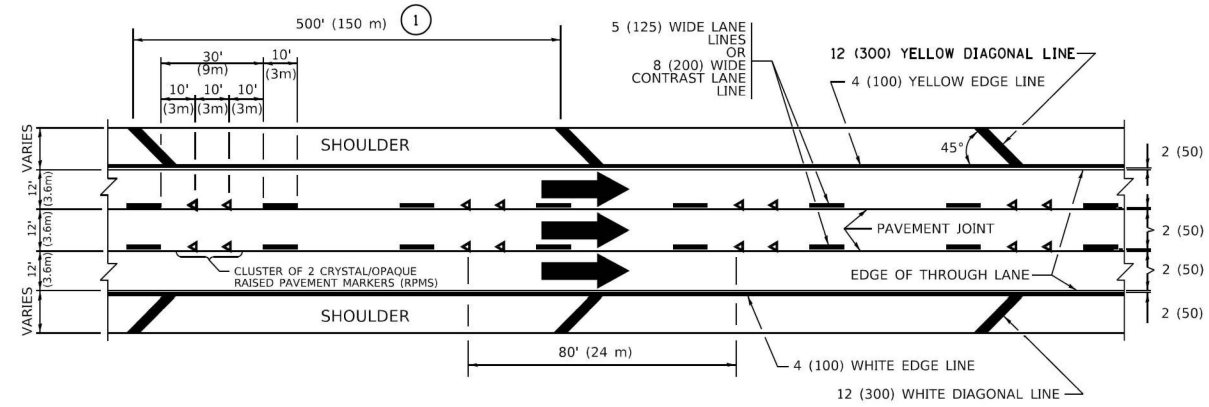
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		REVISED - D.S._05-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

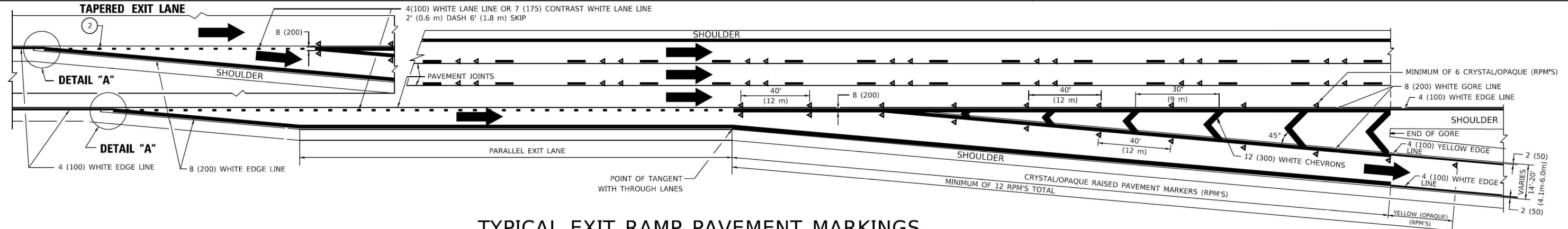
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-08			CONTRACT NO.80B76	
ILLINOIS FED. AID PROJECT				



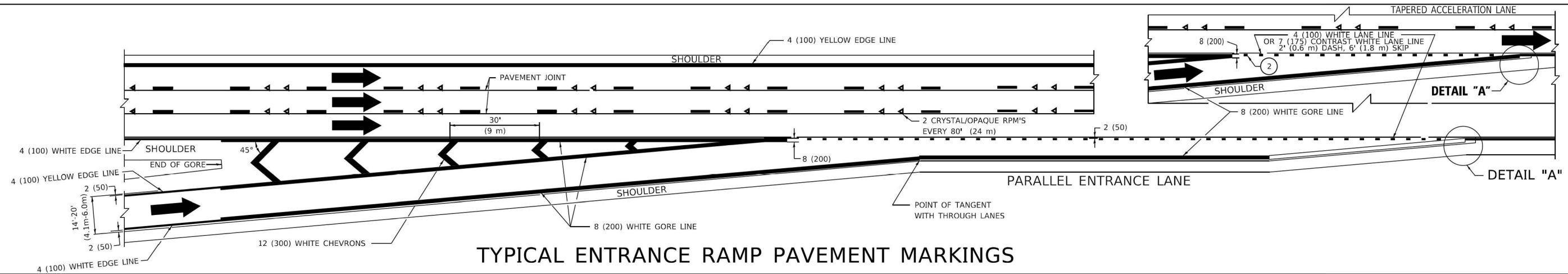
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

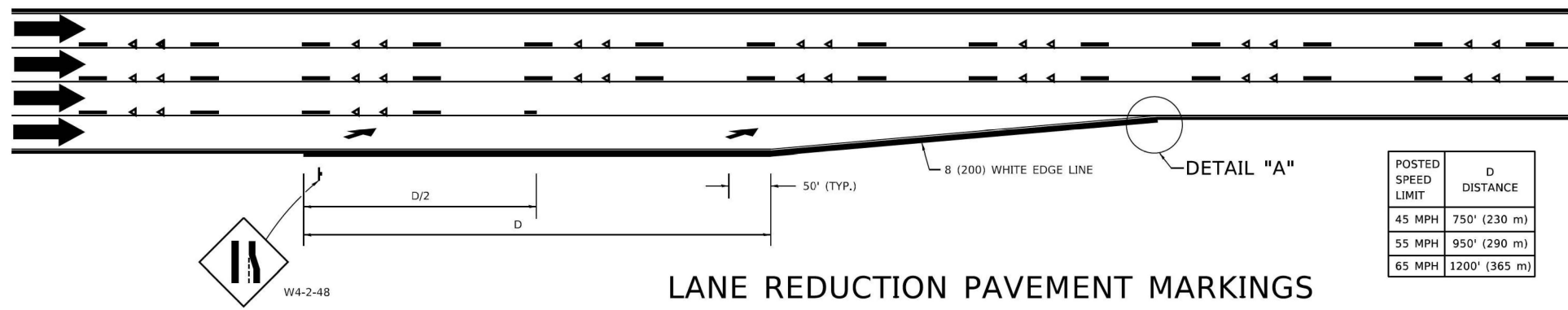
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

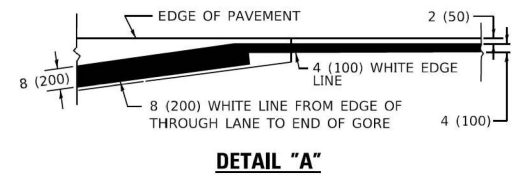


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



- NOTES:
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

MODEL: Default FILE NAME: p:\projects\11818\11818.dwg PROJECT: 11818 PROJECT: 11818

USER NAME = Lawrence,DeManche	DESIGNED - D.W.S.	REVISED - S.P.B. 01-10
DRAWN	REVISOR - M.D. 05-13	REVISED - M.D. 09-17
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 11/18/2022	DATE - 01-90	

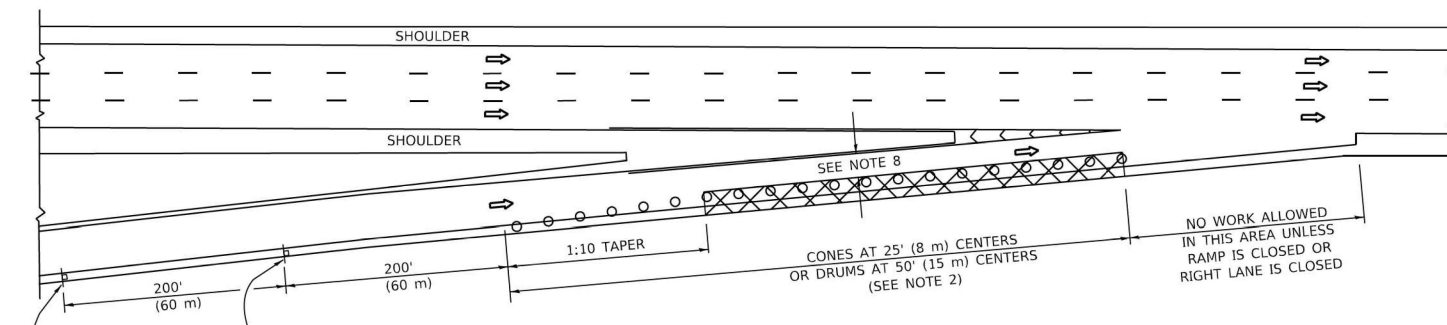
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

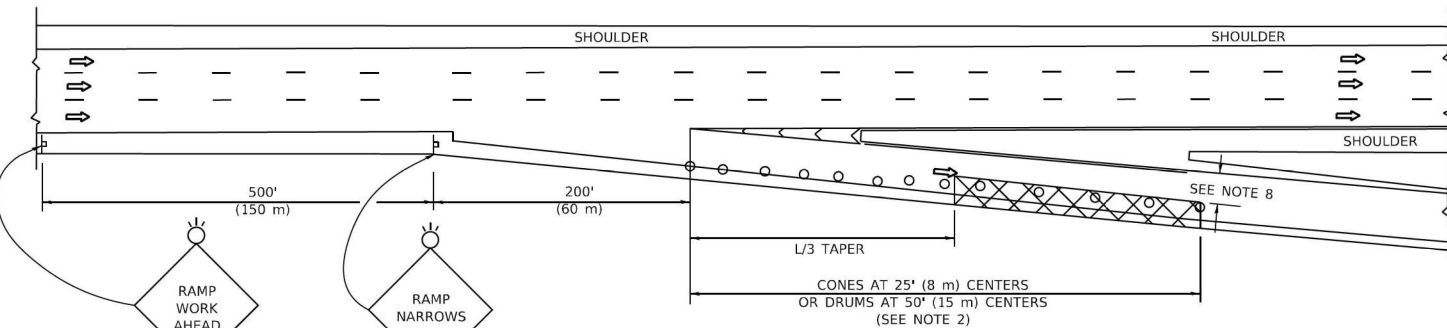
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-12			CONTRACT NO. 80B76	
ILLINOIS FED. AID PROJECT				

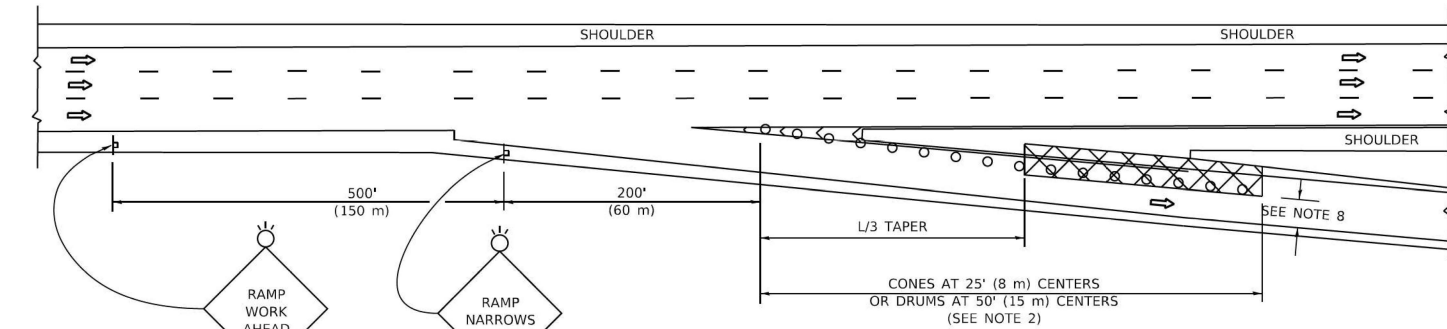
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

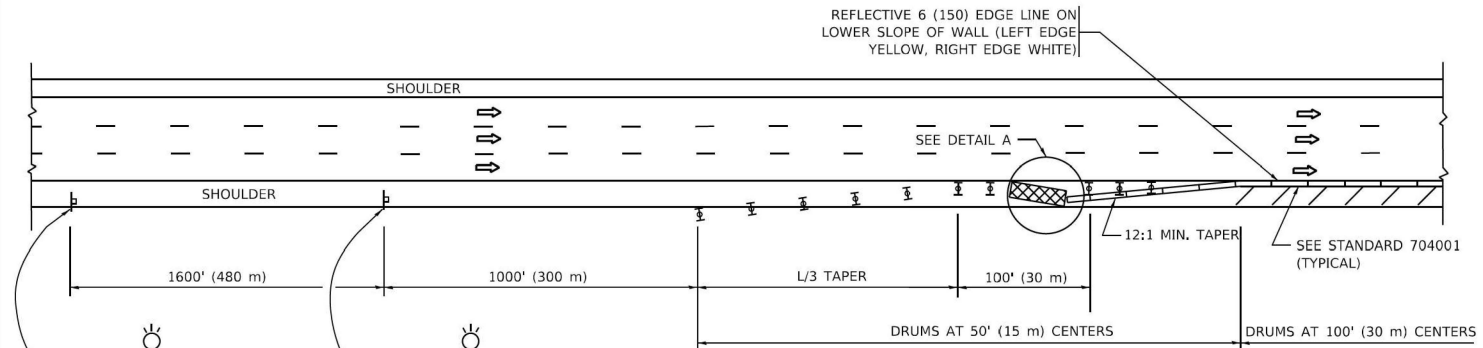
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

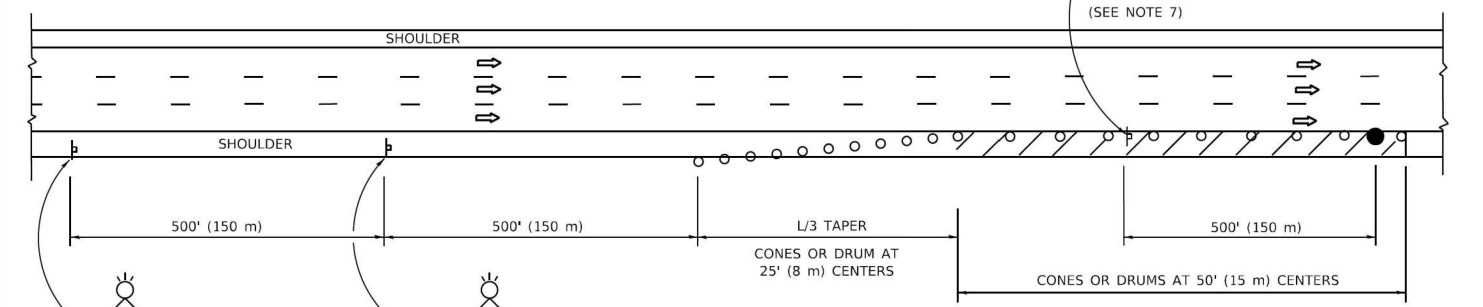
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W/S)$ $L=(W/S)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

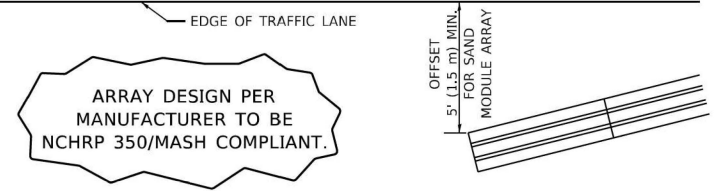


PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PROJECT: 11000000\11000000.dwg
DATE: 5/3/2024

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	DRAWN - D,W,S,	REVISED - M.D. 01-18
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M.D. 10-20
PLOT DATE = 5/3/2024	DATE - 11-96	REVISED - D,S, 05-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2025-2038-I,PP,DR	WILL	31	29
TC-17			CONTRACT NO.80B76	
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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EFK Moen
 Civil Engineering Design

USER NAME = sskierpiec
 PLOT DATE = 10/7/2025

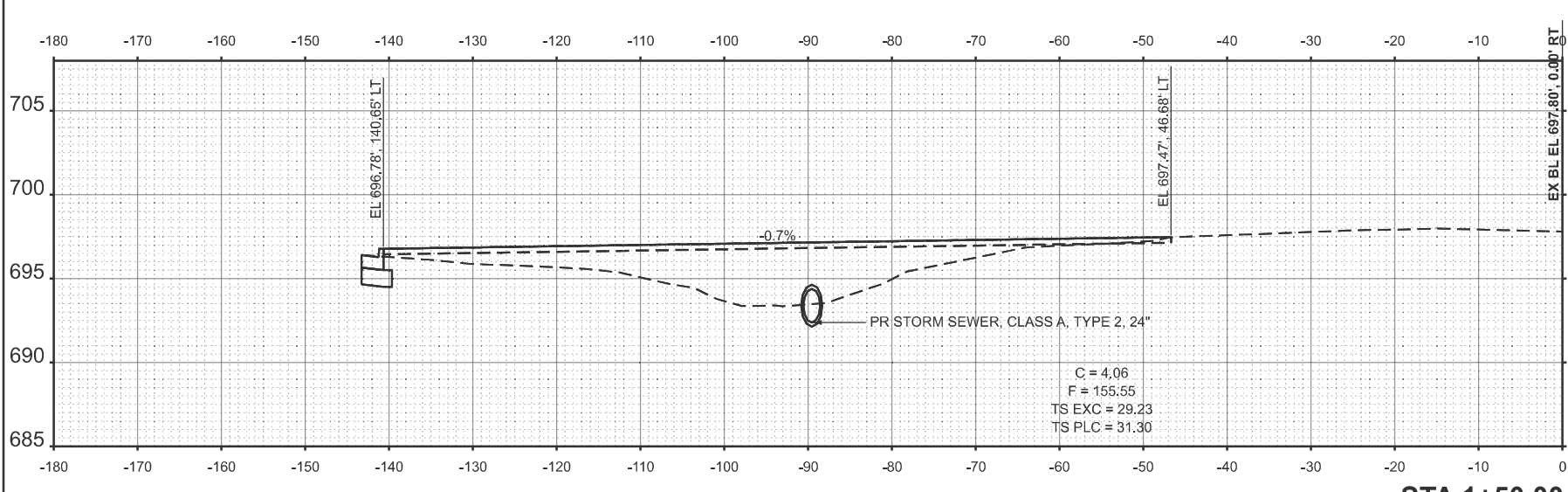
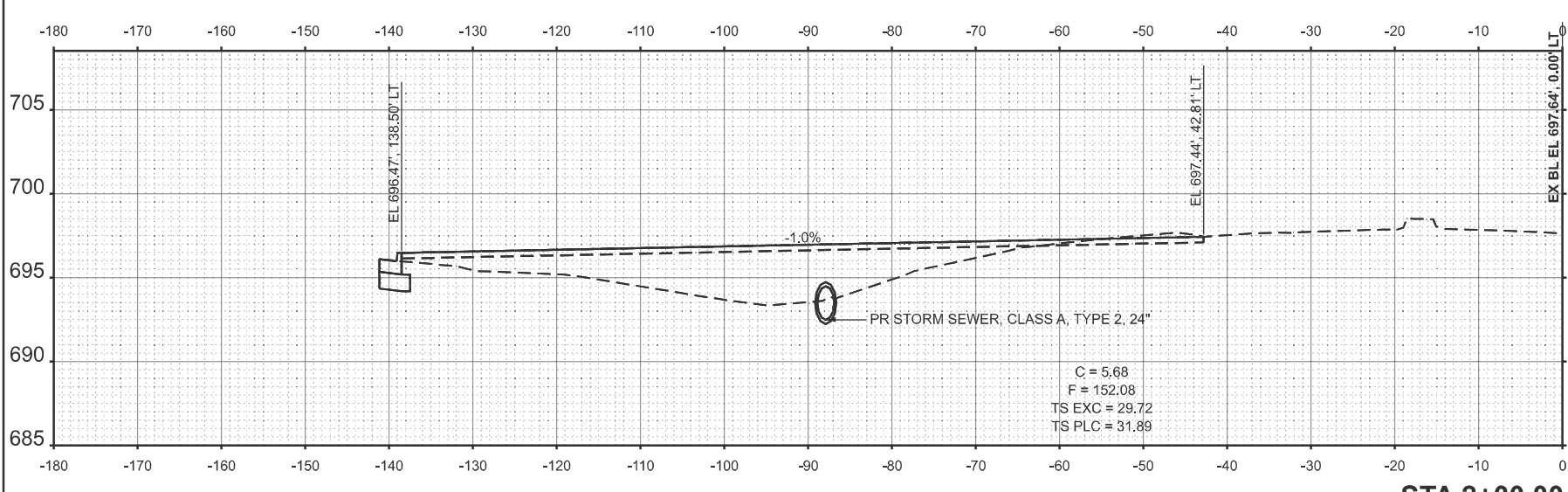
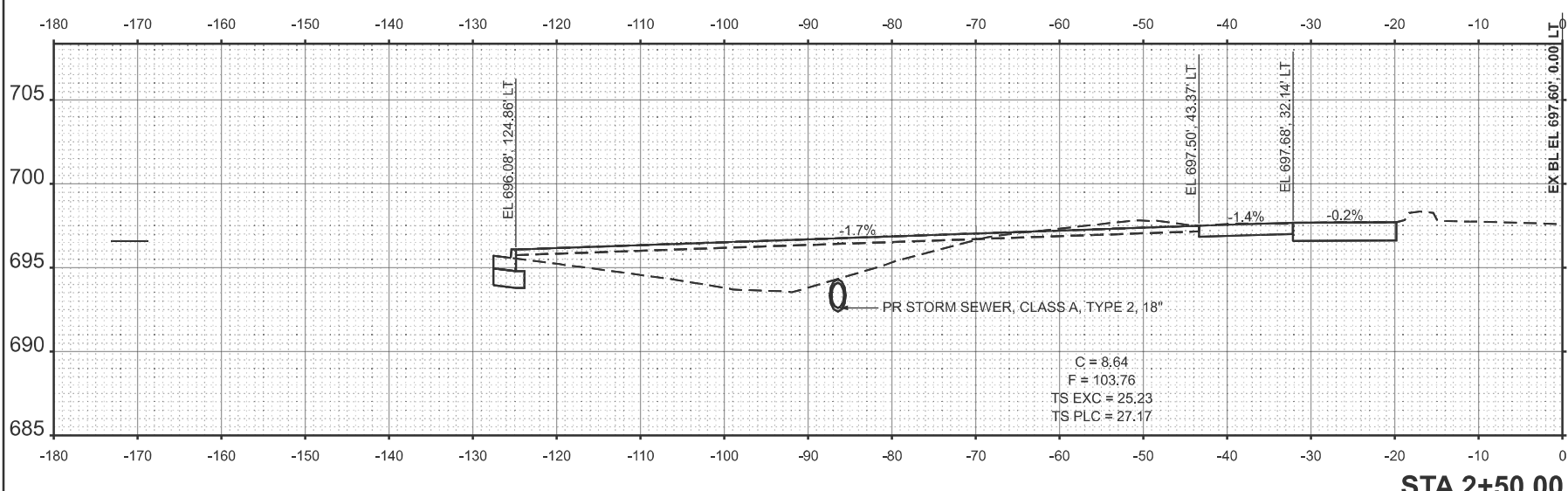
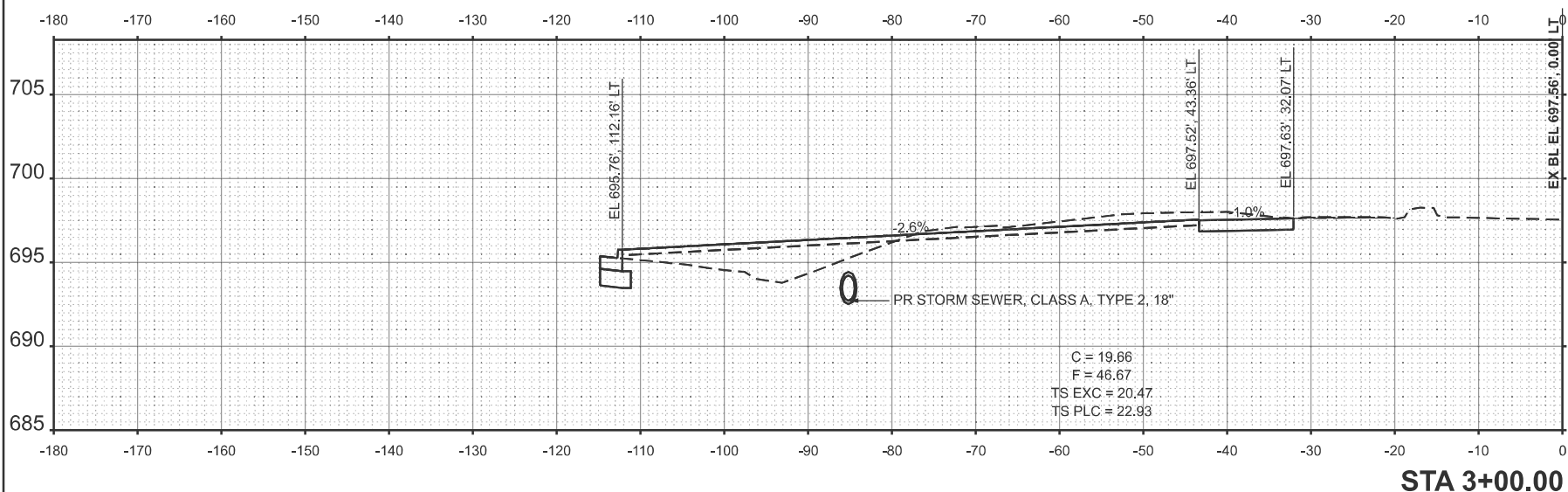
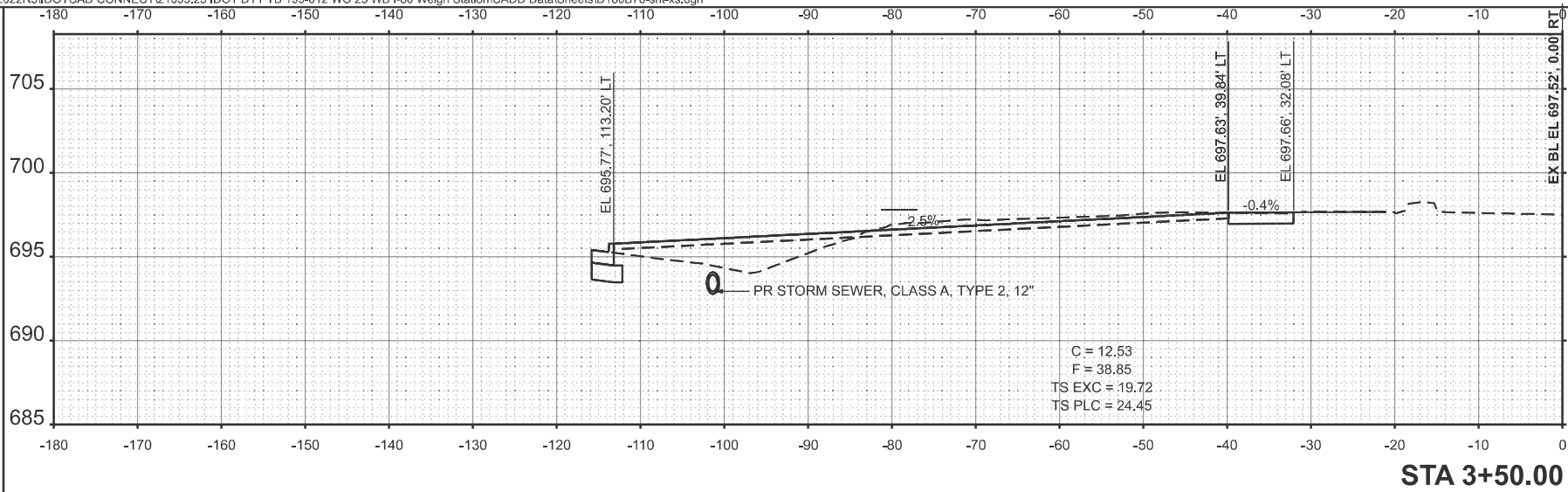
DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'
 SHEET 1 OF 2 SHEETS STA.
FAI 80 (I-80) WB WEIGH STATION
CROSS SECTIONS

FAI RITE: 80
 SECTION: 2025-20384-PP-DR
 COUNTY: WILL
 CONTRACT NO.: 80B76
 TOTAL SHEET NO.: 31
 SHEET NO.: 30
 ILLINOIS FED. AID PROJECT



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

FINAL SURVEY	SURVEYED	BY	DATE
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EFK Moen
 Civil Engineering Design

USER NAME = skkerplec
 DRAWN =
 CHECKED =
 DATE = 10/7/2025

DESIGNED =
 DRAWN =
 CHECKED =
 DATE =

REVISED =
 REVISED =
 REVISED =
 REVISED =

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'

FAI 80 (I-80) WB WEIGH STATION
 CROSS SECTIONS

SHEET 2 OF 2 SHEETS STA.

FAI RTE: 80

SECTION: 2025-20384-PP-DR

COUNTY: WILL

CONTRACT NO. 80B76

ILLINOIS FED. AID PROJECT

TOTAL SHEET NO. 31

