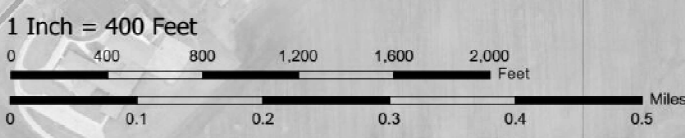


Legend

- Short Term Ramp Closure
- Proposed Detour Route
- Structures
- Railroad Crossings

ALL DETOUR SIGNAGE SHALL BE IN ACCORDANCE WITH THE MUTCD (2009)



USER NAME = bmwagehoft	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

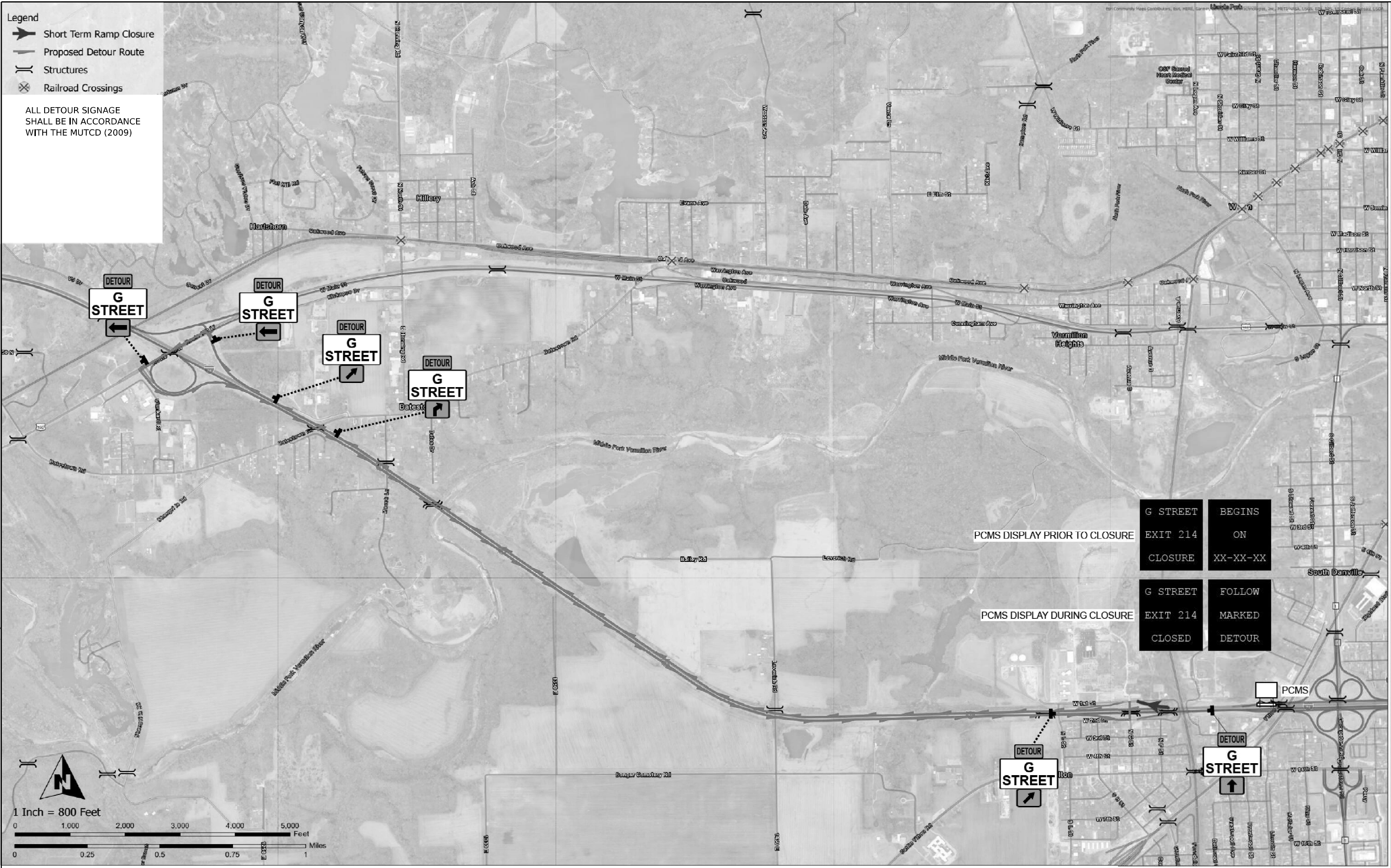
**INTERSTATE 74 REHABILITATION
G STREET RAMP C CLOSURE DETOUR ROUTE MAP**

SCALE: 1" = 50' SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	201
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

- Legend**
- Short Term Ramp Closure
 - Proposed Detour Route
 - Structures
 - Railroad Crossings

ALL DETOUR SIGNAGE SHALL BE IN ACCORDANCE WITH THE MUTCD (2009)



PCMS DISPLAY PRIOR TO CLOSURE

G STREET
EXIT 214
CLOSURE

BEGINS
ON
XX-XX-XX

PCMS DISPLAY DURING CLOSURE

G STREET
EXIT 214
CLOSED

FOLLOW
MARKED
DETOUR

MODEL: Detour Route - G Street Ramp D
FILE NAME: S:\37300\9237190200_01\373006_05_174_Danville\CADD\CADD Sheets\05704292-2e-h-2-DetourRouteMap.dgn



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PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
G STREET RAMP D CLOSURE DETOUR ROUTE MAP**

SCALE: 1" = 50' SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I. RTE. 74	SECTION (92-10.11,12)R	COUNTY VERMILION	TOTAL SHEETS 698	SHEET NO. 202
CONTRACT NO. 70A29			ILLINOIS FED. AID PROJECT	

- Legend**
- Short Term Ramp Closure
 - Proposed Detour Route
 - Structures
 - Railroad Crossings

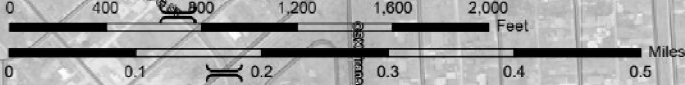
ALL DETOUR SIGNAGE SHALL BE IN ACCORDANCE WITH THE MUTCD (2009)



EXIT 215A CLOSURE	BEGINS ON XX-XX-XX
EXIT 215A CLOSED	FOLLOW MARKED DETOUR

PCMS DISPLAY PRIOR TO CLOSURE

PCMS DISPLAY DURING CLOSURE



MODEL: Detour Route - US 150 ALL 1 Parts A
FILE NAME: S:\37100\923719020\00_1135-2636_05_174_Danville\CAD\CADD Sheets\05704292-26-26-DetourRouteMap.dgn



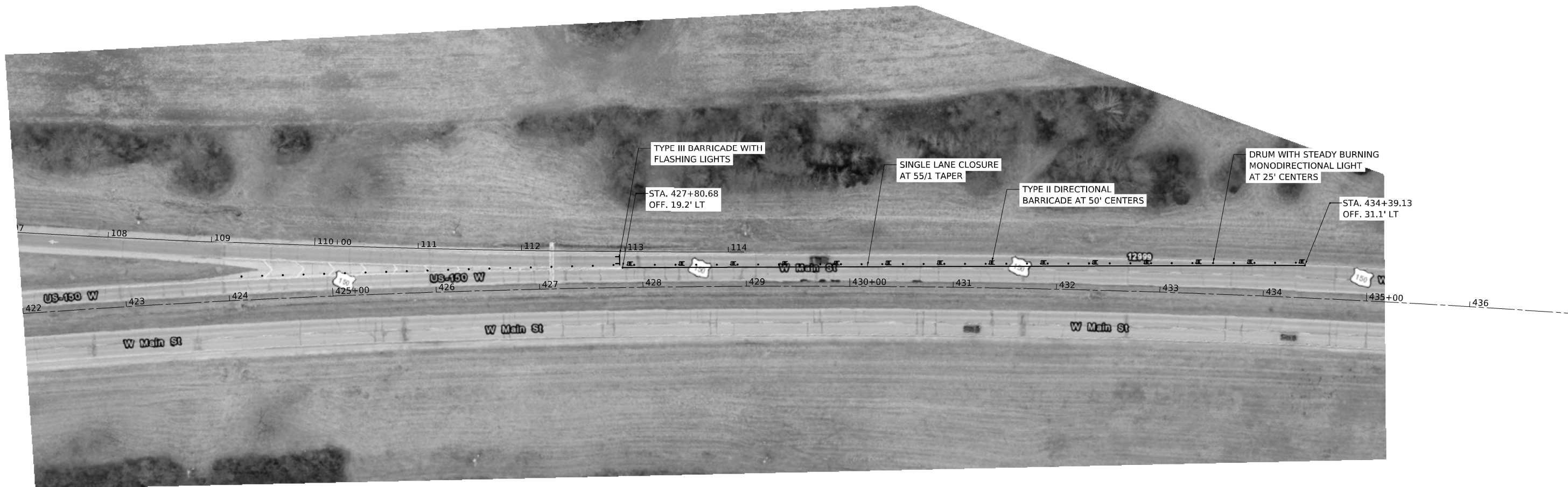
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
ILL 1/US 150 RAMP A CLOSURE DETOUR ROUTE MAP**

SCALE: 1" = 50' SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	203
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



MODEL: ILL150 Ramp C Closure Detail (Sheet)
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

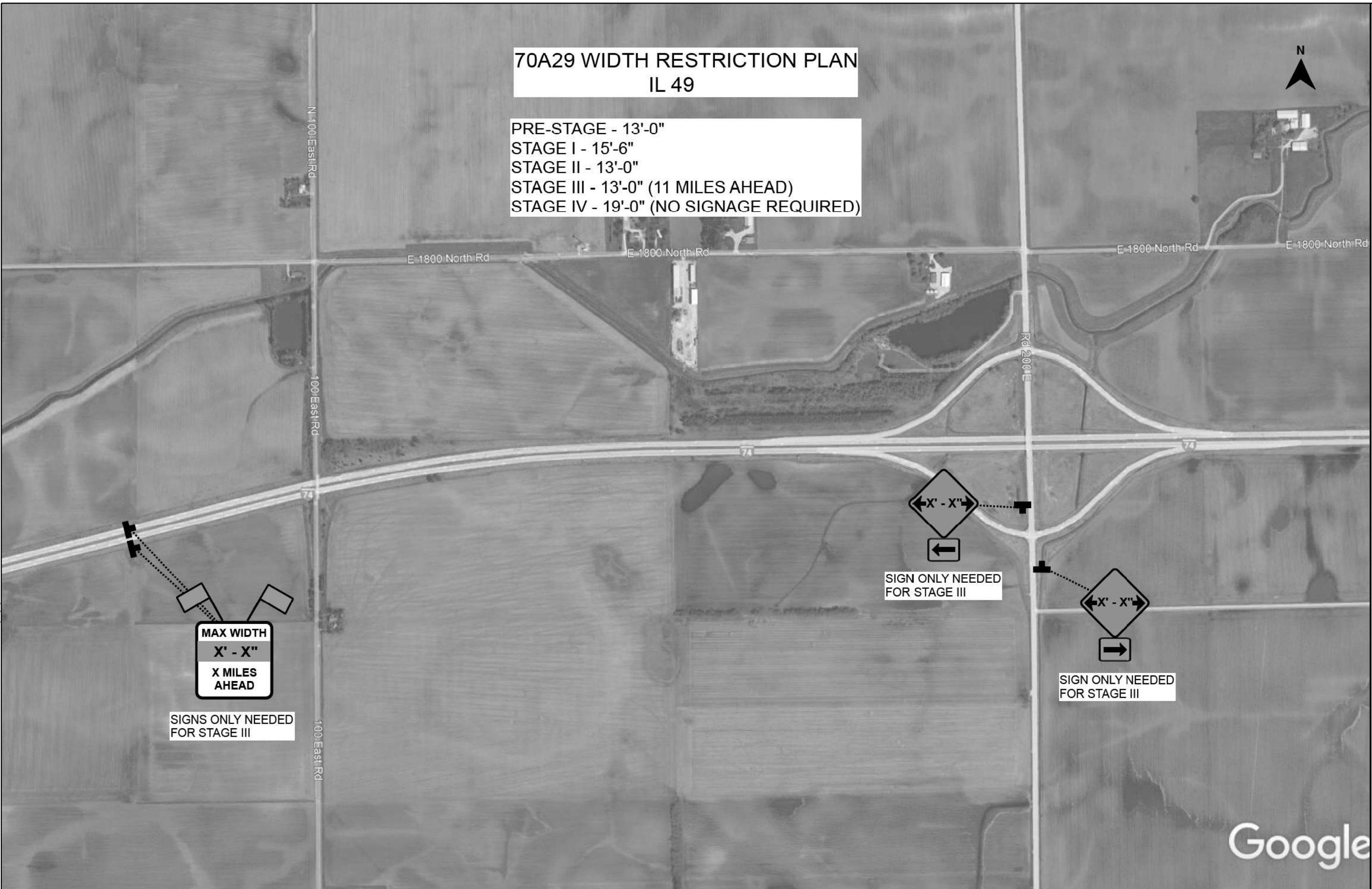
INTERSTATE 74 REHABILITATION
ILL 1/US 150 RAMP C CLOSURE DETAIL SHEET

SCALE: 1" = 50' SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	205
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

**70A29 WIDTH RESTRICTION PLAN
IL 49**

PRE-STAGE - 13'-0"
 STAGE I - 15'-6"
 STAGE II - 13'-0"
 STAGE III - 13'-0" (11 MILES AHEAD)
 STAGE IV - 19'-0" (NO SIGNAGE REQUIRED)



MODEL: W4_Catell
 FILE NAME: S:\3770319\37719020_00 (193-426 DS 1-74 Damville)\CADD\CADD Sheets\0570A29-29-29-Catell-WidthRestrictionSignplan.dgn



USER NAME = bmwagehoft	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
ILLINOIS 49 WIDTH RESTRICTION DETAIL SHEET**

SCALE: N.T.S. SHEET 1 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	206
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



**70A29 WIDTH RESTRICTION PLAN
OAKWOOD RD.**

PRE-STAGE - 13'-0"
 STAGE I - 15'-6"
 STAGE II - 13'-0"
 STAGE III - 13'-0"
 STAGE IV - 19'-0" (NO SIGNAGE REQUIRED)

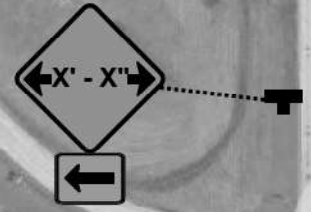


N Oakwood Rd

Rd 900 E

74

74



SIGN ONLY NEEDED
FOR STAGE III



SIGN ONLY NEEDED
FOR STAGE III

N Oakwood Rd

Google

MODEL: W9-Catall
 FILE NAME: S:\3770319\37719020_00 (193-206 DS 1-74 Danville)\CADD\CADD Sheets\DS70A29-h-Catall-WidthRestrictionsSignplan.dgn



USER NAME = bmwagehoft	DESIGNED -	REVISED -
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PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
OAKWOOD RD. WIDTH RESTRICTION DETAIL SHEET**

SCALE: N.T.S. SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	207
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

**70A29 WIDTH RESTRICTION PLAN
US 150**

PRE-STAGE - 13'-0"
 STAGE I - 15'-6"
 STAGE II - 13'-0"
 STAGE III - 13'-0"
 STAGE IV - 19'-0" (NO SIGNAGE REQUIRED)



**MAX WIDTH
X' - X"
4 MILES
AHEAD**

SIGNS ONLY NEEDED FOR
PRE-STAGE, STAGE I, & STAGE II



NOTE: WIDTH RESTRICTION SIGNAGE OF 14'-0" WILL BE IN PLACE AT THESE LOCATIONS FOR CN 70A92 DURING 2022 CONSTRUCTION SEASON. WIDTH WILL NEED TO BE ADJUSTED ACCORDINGLY.

MODEL: Wb-Catall
FILE NAME: S:\3770319\23719070.00 (193-206 DS 1-74 Danville)\CAD\CADD Sheets\70A29-Width-Restriction-Signing.dgn

MAURER-STUTZ ENGINEERS SURVEYORS	USER NAME = bmwagehoft	DESIGNED -	REVISED -
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	PLOT DATE = 3/24/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
US 150 (MLK DR.) WIDTH RESTRICTION DETAIL SHEET**

SCALE: N.T.S. SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	208
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



**70A29 WIDTH RESTRICTION PLAN
BOWMAN AVE.**

- PRE-STAGE - 13'-0"
- STAGE I - 15'-6"
- STAGE II - 13'-0"
- STAGE III - 13'-0"
- STAGE IV - 19'-0" (NO SIGNAGE REQUIRED)



SIGN ONLY NEEDED FOR
PRE-STAGE, STAGE I, & STAGE II



SIGN ONLY NEEDED FOR
PRE-STAGE, STAGE I, & STAGE II

NOTE: WIDTH WILL NEED TO BE ADJUSTED ACCORDINGLY.

MODEL: WcDetail
FILE NAME: S:\37\7019\23719070.00 (193-426 DS 1-74 Danville)\CADD\CADD Sheets\0570A29-WidthRestrictionSignplan.dgn



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PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
BOWMAN AVE. WIDTH RESTRICTION DETAIL SHEET**

SCALE: N.T.S. SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	211
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



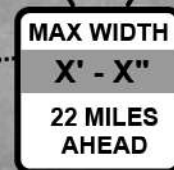
70A29 WIDTH RESTRICTION PLAN
IL 1 / US 150 / US 36



IL 1 / US 150
STAGE I - 14'-6"
STAGE II - 11'-6"



22 MILES
AHEAD



22 MILES
AHEAD

NOTE: WIDTH WILL NEED TO BE ADJUSTED ACCORDINGLY.



MODEL: W040211
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

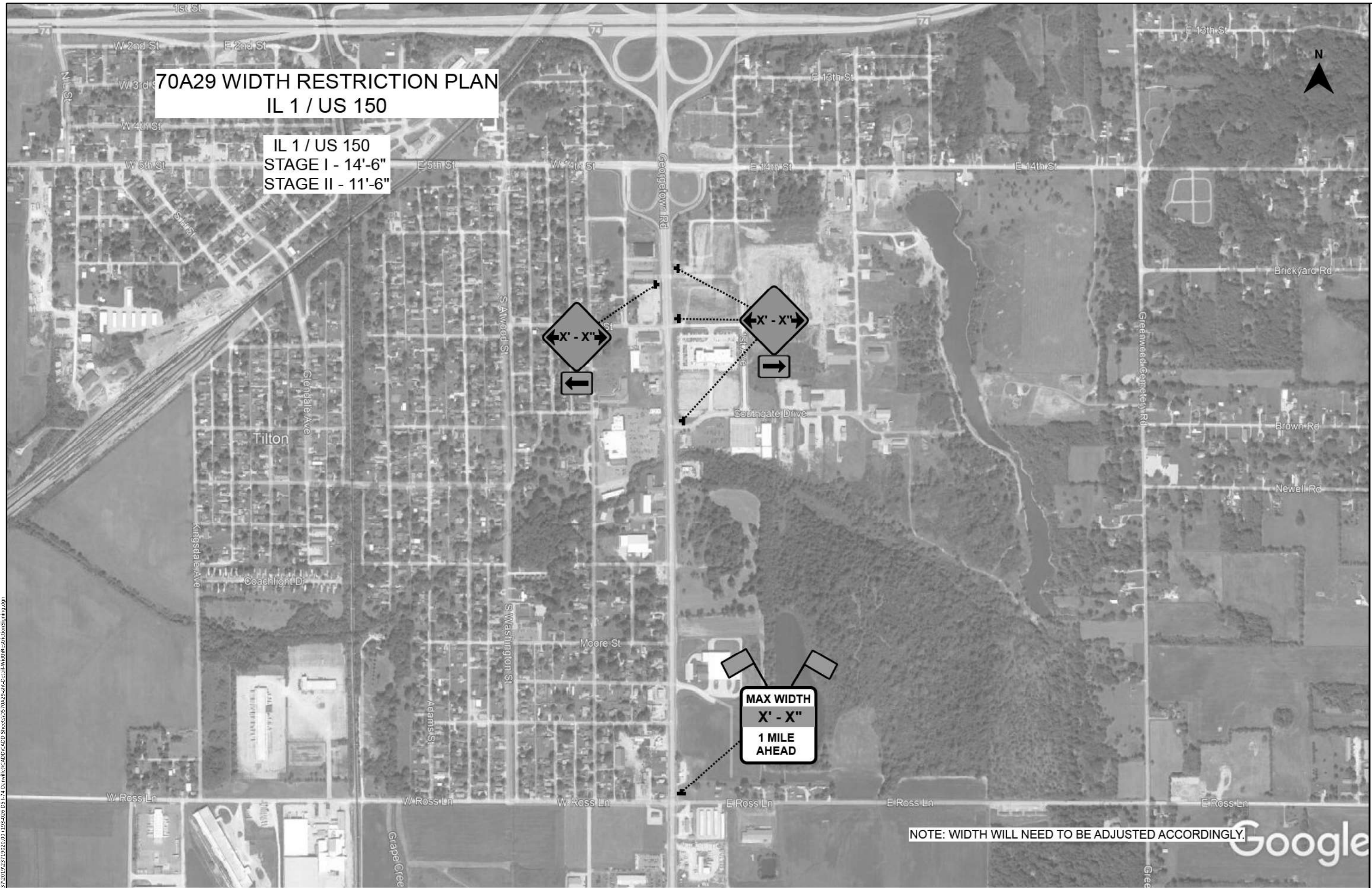
INTERSTATE 74 REHABILITATION
ILL 1/US 150/US 36 WIDTH RESTRICTION DETAIL SHEET

SCALE: N.T.S. SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	213
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

**70A29 WIDTH RESTRICTION PLAN
IL 1 / US 150**

**IL 1 / US 150
STAGE I - 14'-6"
STAGE II - 11'-6"**



MODEL: W040211
FILE NAME: S:\3770319\37719020.00 (193-426 DS 1-74 Danville)\CADD\CADD Sheets\70A29-Width-Restriction-Signing.dgn



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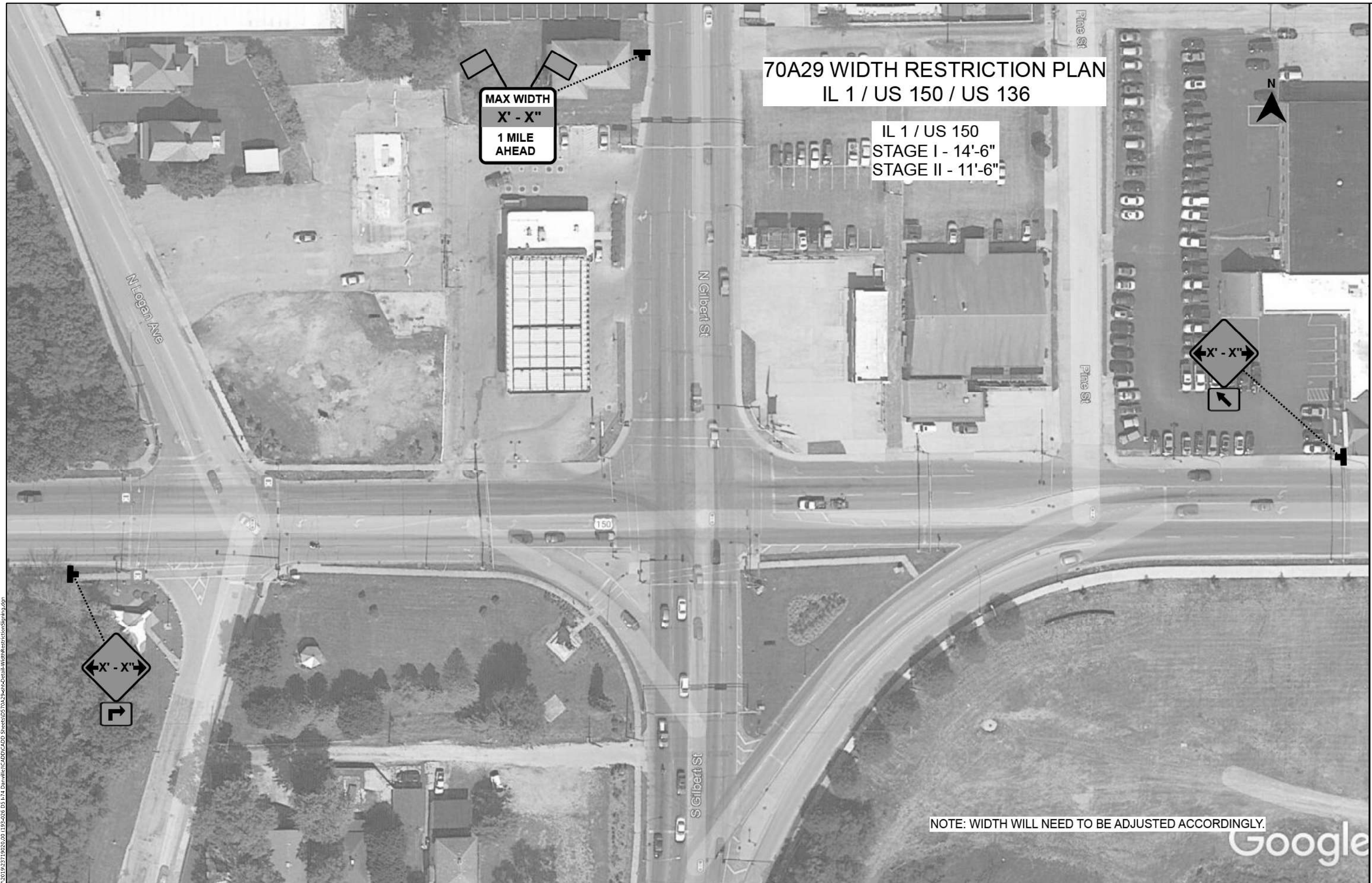
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
ILL 1/US 150 WIDTH RESTRICTION DETAIL SHEET**

SCALE: N.T.S. SHEET 9 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	214
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

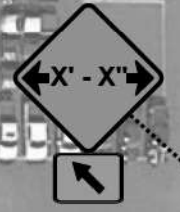
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70A29 WIDTH RESTRICTION PLAN
 IL 1 / US 150 / US 136

IL 1 / US 150
 STAGE I - 14'-6"
 STAGE II - 11'-6"

MAX WIDTH
 X' - X"
 1 MILE
 AHEAD



NOTE: WIDTH WILL NEED TO BE ADJUSTED ACCORDINGLY.



USER NAME = bmwagehoft	DESIGNED -	REVISED -
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PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 74 REHABILITATION
ILL 1/US 150/US 136 WIDTH RESTRICTION DETAIL SHEET

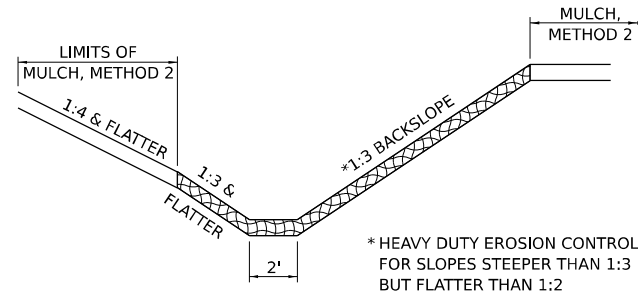
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	215
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

SCALE: N.T.S. SHEET 10 OF 10 SHEETS STA. TO STA.

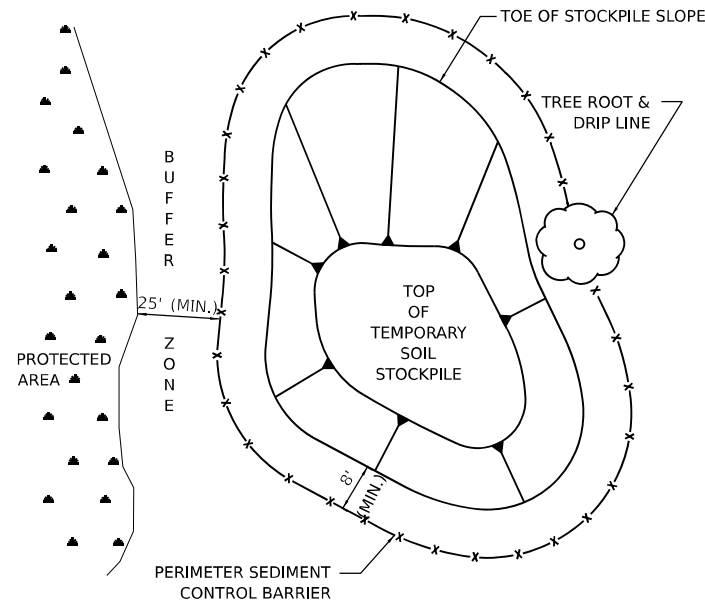
EROSION AND SEDIMENT CONTROL NOTES

1. TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS SHALL BE CONSTRUCTED, MAINTAINED, REMOVED, AND DISPOSED OF IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. SUCH SYSTEMS SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON SITE.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT.
3. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA SHALL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE).
4. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON AS WELL AS THE WINTER MONTHS AND OTHER TIMES WHEN THE PROJECT IS CLOSED DOWN.
5. ALL RUNOFF, EROSION AND SEDIMENT CONTROL MEASURES MUST BE REVIEWED TO ENSURE ROADSIDE HAZARDS ARE NOT PRESENT.
6. WHERE A CONTRACTOR'S EQUIPMENT IS OPERATED UPON AN EXISTING PAVEMENT USED BY TRAFFIC THE CONTRACTOR SHALL CLEAN THE PAVEMENT OF ALL DIRT AND DEBRIS AT THE END OF EACH DAY'S OPERATIONS AND AT OTHER TIMES AS DIRECTED BY THE RESIDENT ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF EXCESSIVE DUST DURING THE CONSTRUCTION PERIOD UNTIL PROPOSED IMPROVEMENTS ARE COMPLETED. THE REQUIREMENT FOR DUST CONTROL SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER. DUST CONTROL WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR EARTH EXCAVATION.
8. INLET PROTECTION SHALL BE INSTALLED PRIOR TO ANY SOIL/PAVEMENT DISTURBANCE AS SHOWN ON THE PLANS.
9. TEMPORARY MULCH SHALL BE PLACED ON ALL ERODIBLE EARTH AREAS AT THE END OF THE GROWING SEASON AND AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS. SCHEDULE QUANTITY ASSUMES COVERAGE OF THE AREA FOR PERMANENT SEEDING TWICE.
10. TEMPORARY MULCH SHALL MEET THE REQUIREMENTS AND BE PAID FOR AS "MULCH METHOD 2".
11. DITCH CHECK SPACING IS BASED ON 9-INCH HIGH DITCH CHECKS. IF AN ALTERNATE SIZE DITCH CHECK IS PROPOSED BY THE CONTRACTOR FOR USE ON THE PROJECT, A CONTRACT DITCH CHECK SPACING WILL NEED TO BE RECALCULATED BY THE CONTRACTOR IN ACCORDANCE WITH THE BUREAU OF DESIGN AND ENVIRONMENT MANUAL. ANY RESULTING QUANTITY CHANGES SHALL BE APPROVED BY THE RESIDENT ENGINEER.
12. THE PLANS SHOW THE PLAN QUANTITY OF TEMPORARY DITCH CHECKS. SCHEDULE QUANTITIES ARE ADJUSTED FOR ANTICIPATED REPLACEMENT OF TEMPORARY CONTROLS AS FOLLOWS:
TEMPORARY DITCH CHECKS: SCHEDULE QUANTITY = 2 TIMES PLAN QUANTITY
13. PERIMETER EROSION BARRIER IS SHOWN ON THE PLANS ALONG THE PERIMETER LOCATIONS TO INTERCEPT SHEET FLOW OF WATER BOURNE SILT AND SEDIMENT TO PREVENT IT FROM LEAVING THE CONSTRUCTION AREA. ACTUAL LOCATIONS OF PERIMETER EROSION BARRIER WILL BE DETERMINED DURING THE JOBSITE INSPECTION CONDUCTED BY THE CONTRACTOR AND RESIDENT ENGINEER PRIOR TO BEGINNING ANY WORK REQUIRING EROSION CONTROL.
14. PLACE TEMPORARY EROSION CONTROL SEEDING ON ALL ERODIBLE/EARTH AREAS EVERY 7 DAYS, REGARDLESS OF WEATHER OR WORK CONDITIONS. THE RESIDENT ENGINEER MAY REQUIRE THAT CRITICAL LOCATIONS BE SEEDED IMMEDIATELY AND THE CONTRACTOR SHALL SEED THESE AREAS WITHIN 48 HOURS OF SUCH A DIRECTIVE. SCHEDULE QUANTITY ASSUMES QUANTITY = 8 TIMES PERMANENT SEEDING QUANTITY BASED ON TWO GROWING SEASONS. (MARCH 1 - NOVEMBER 30).
15. HEAVY DUTY EROSION CONTROL BLANKETS SHALL BE USED ON SLOPES STEEPER THAN 1:3. MAXIMUM SLOPE GRADIENT FOR HEAVY DUTY EROSION CONTROL BLANKET IS 1:2.
16. SEE DRAINAGE PLANS FOR RIPRAP INFORMATION.
17. RIPRAP DITCH LINING AS SHOWN ON THE PLANS SHALL BE INSTALLED UPON ESTABLISHMENT OF PROPOSED DITCH.
18. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE RESIDENT ENGINEER.
19. ALL HORIZONTAL SLOPES ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
20. PRIOR TO ANY PORTLAND CEMENT CONCRETE (PCC) POUR, CONCRETE WASHOUT BOXES SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER.
21. THE CONCRETE WASHOUT BOXES PRIMARY PURPOSE IS TO CONTAIN CONCRETE LIQUIDS AND PREVENT CONCRETE LIQUID RUNOFF FROM ENTERING SEWERS OR WATERWAYS. CONCRETE WASHOUT BOXES WILL CONSIST OF A BARRIER WALL LINED WITH 30-MIL POLYETHYLENE OR A RESIDENT ENGINEER APPROVED EQUAL WASHOUT.
22. THE PLAN FOR THE CONCRETE WASHOUT BOXES SHALL BE SUBMITTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO INSTALLATION AND WILL BE INSPECTED AFTER INSTALLATION. THE WASHOUT BOX SHALL BE INSPECTED PRIOR TO A CONCRETE POUR AND AFTER A CONCRETE POUR BY THE RESIDENT ENGINEER. THE RESIDENT ENGINEER WILL REPORT ANY ISSUES VIA VERBAL OR WRITTEN COMMUNICATION THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

23. MAINTENANCE OF THE PROPOSED CONCRETE WASHOUT BOXES SHALL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO, REPLACING DAMAGED LINER, DISPOSING OF SOLIDIFIED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. THE FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE THE WASHOUT BECOMES TWO-THIRDS FULL THE COST FOR MAINTENANCE OF THE PROPOSED CONCRETE WASHOUT BOXES SHALL BE CONSIDERED INCLUDED WITH THE COST OF THE ITEM(S) BEING INSTALLED.
24. DISPOSAL OF CONSTRUCTION MATERIAL, SEDIMENT AND SOLIDIFIED CONCRETE SHALL BE AT A CCDD FACILITY. THE COST FOR DISPOSAL OF SUCH MATERIALS SHALL BE CONSIDERED INCLUDED WITH THE COST OF THE ITEM(S) BEING INSTALLED.

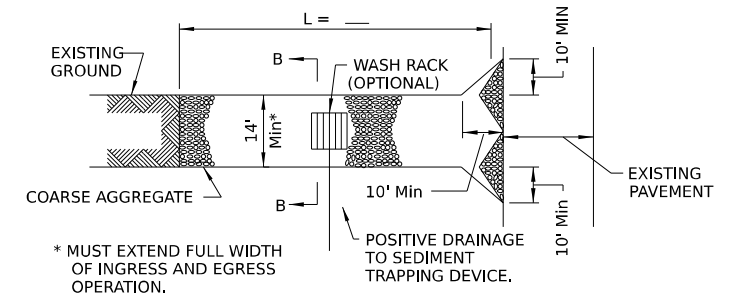


EROSION CONTROL BLANKET DETAIL

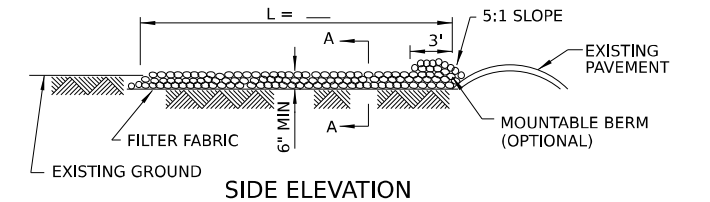


TEMPORARY SOIL STOCKPILE DETAIL

- NOTES:
1. STOCKPILE SLOPES SHOULD BE BASED ON ANGLE OF REPOSE OF THE SOIL MATERIAL TO AVOID POTENTIAL SLOUGHING OF THE SLOPE.
 2. SOIL STOCKPILE TO BE STABILIZED IN ACCORDANCE WITH PRACTICAL STANDARDS.
 3. DO NOT LOCATE STOCKPILE WITHIN OVERLAND DRAINAGE FLOW PATH, DESIGNATED FLOODWAYS, DRIP LINE OR OVER THE ROOT CROWN OF ADJACENT TREES.
 4. PROVISIONS FOR SEDIMENT CONTROL PRACTICES MAY BE REQUIRED ALONG HAUL ROADS AND ENTRANCE/EXIT LOCATIONS FOR ACCESS TO THE SOIL STOCKPILE THAT CAN CREATE FLOW PATH FOR STORMWATER RUNOFF.
 5. INSTALLATION OF BENCHES, TERRACES, OR SLOPE INTERRUPTERS SHOULD BE CONSIDERED.
 6. AVOID BUILDING SOIL STOCKPILES ON IMPERVIOUS SURFACES.
 7. LINEAR SEDIMENT TRAP SURROUNDING THE STOCKPILE BASE MAY BE USED TO CONTROL SEDIMENT.



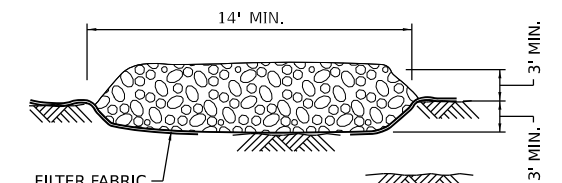
PLAN VIEW



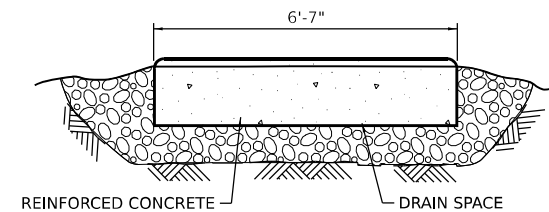
SIDE ELEVATION

STABILIZED CONSTRUCTION ENTRANCE PLAN

- NOTES:
1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE I OR 2, CLASS I, II OR IV AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING OF ROCK.
 2. ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD 1 AND CLASS III COMPACTION.
 3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 4. IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
 5. WORK ASSOCIATED WITH THE CONSTRUCTION AND MAINTENANCE OF THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.



SECTION A-A

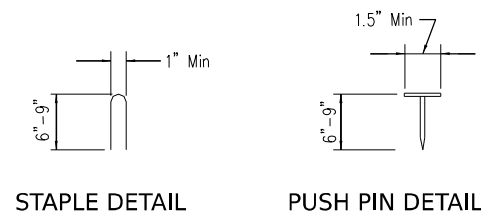
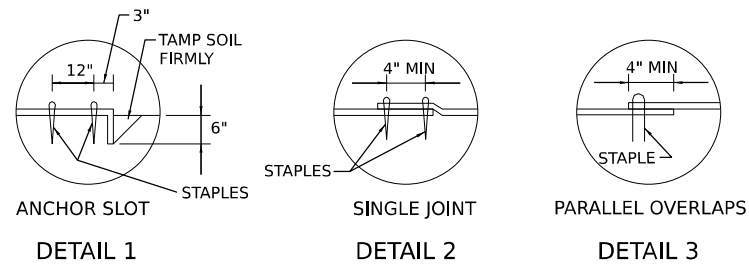
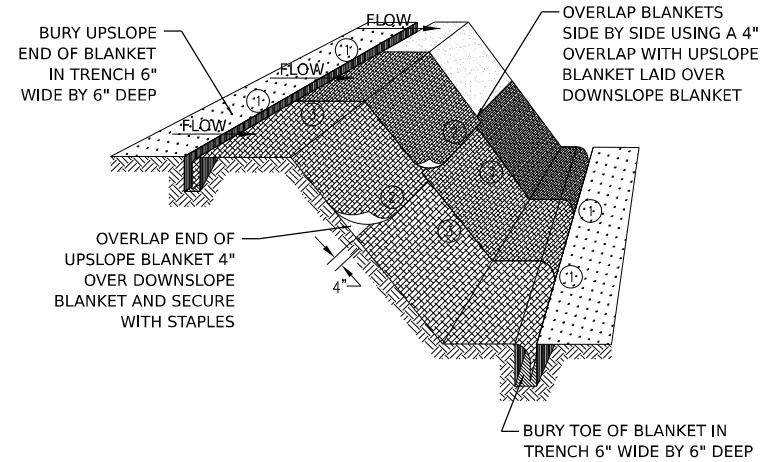


SECTION B-B

STABILIZED CONSTRUCTION ENTRANCE PLAN

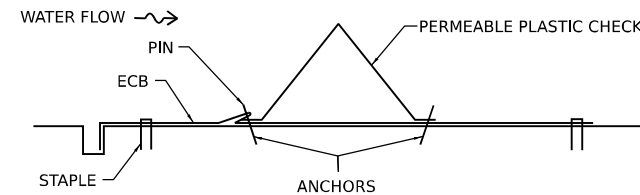
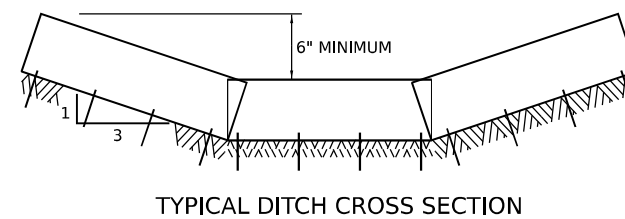
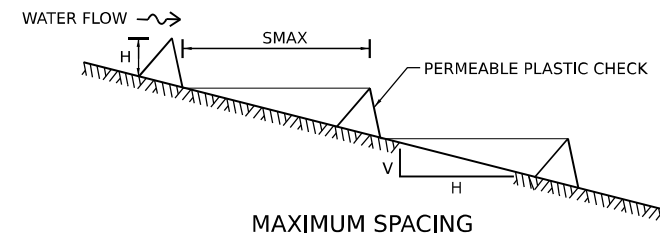
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Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 695-0463 www.prairieengineers.com professional design firm no. 16-005965 © Copy Right Prairie Engineers of Ill., P.C., 2016	USER NAME = rtheinke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSTATE 74 REHABILITATION EROSION CONTROL GENERAL NOTES AND DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISIED -			74	(92-10.11,12)R	VERMILION	698	216
PLOT DATE = 3/23/2022	DATE -	REVISIED -		SCALE:	SHEET 1 OF 15 SHEETS	STA.	TO STA.	CONTRACT NO. 70A29		
								ILLINOIS FED. AID PROJECT		



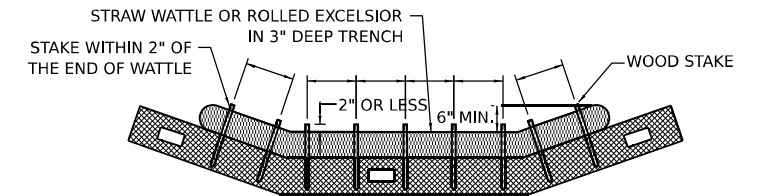
**EROSION CONTROL
BLANKET INSTALLATION DETAILS**

- NOTES:
1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STICED BLANKETS. NON-STICED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STICED BLANKET AND 400 STAPLES WITH NON-STICED BLANKET PER 100 S.Y. OF MATERIAL.
 2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6")
 3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
 4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.



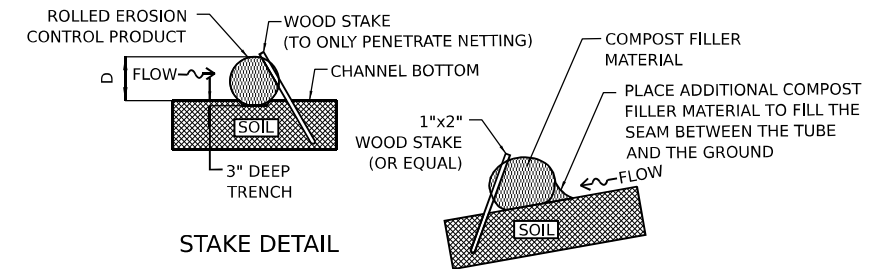
PLASTIC PERMEABLE CHECK CROSS SECTION

PLASTIC PERMEABLE CHECKS



STAKING PATTERN GUIDE

- NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
 2. 4' SPACING FOR WATTLES.
 3. 2' SPACING FOR ROLLED EXCELSIOR.
 4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.



STAKE DETAIL

COMPOST FILTER SOCK DETAIL

WHEN COMPOST FILTER SOCK DITCH CHECK IS USED, PLACE A COMPOST BERM UPSTREAM OF THE FILTER SOCK (SEE IUM 805). A TRENCH IS NOT REQUIRED.

ROLLED EROSION CONTROL PRODUCTS

- NOTES:
1. DRAWINGS ARE NOT TO SCALE.
 2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
 3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
 4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
 5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.
 6. WHEN COMPOST FILTER SOCK DITCH CHECK IS USED, PLACE A COMPOST BERM UPSTREAM OF THE FILTER SOCK (SEE ILLINOIS URBAN MANUAL STD 805). A TRENCH IS NOT REQUIRED.

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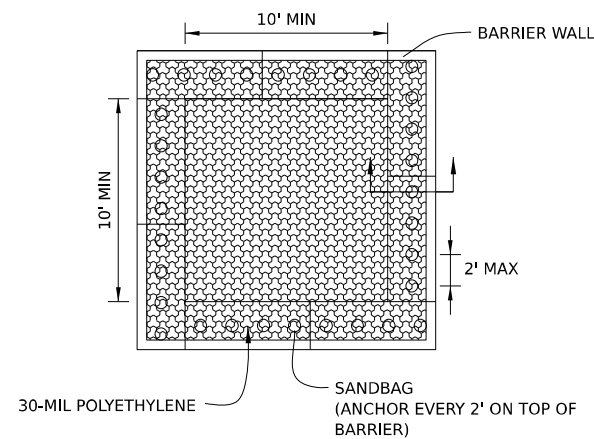
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

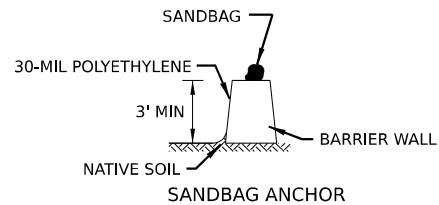
**INTERSTATE 74 REHABILITATION
EROSION CONTROL DETAILS**

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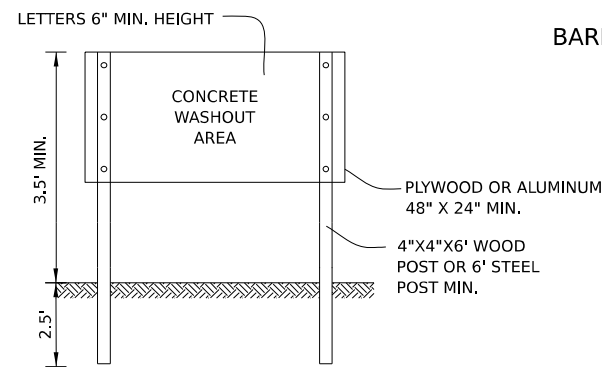
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74	(92-10,11,12)R	VERMILION	698	217
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



PLAN VIEW



BARRIER WALL ANCHOR SECTION

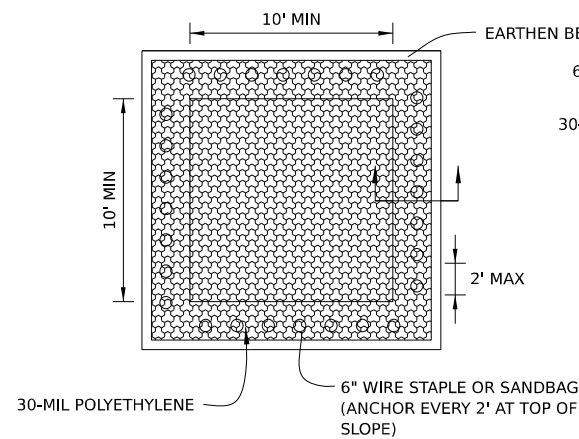


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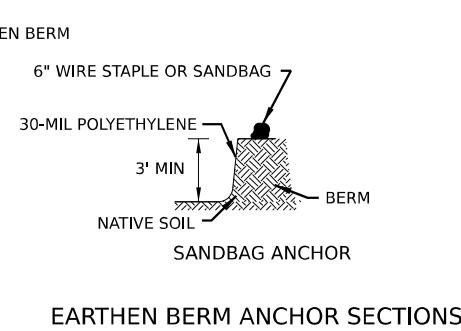
NOTES:

1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEND CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL



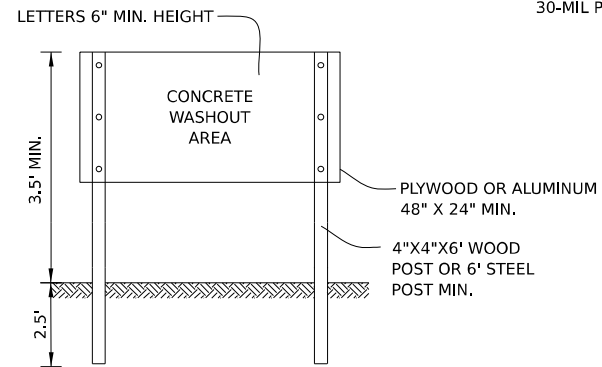
PLAN VIEW



EARTHEN BERM ANCHOR SECTIONS



SANDBAG ANCHOR SUBGRADE ANCHOR SECTIONS

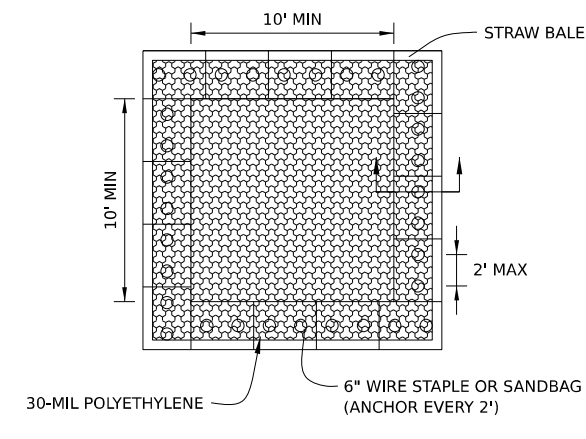


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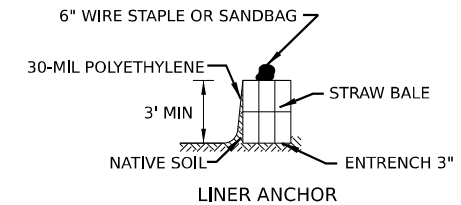
NOTES:

1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEND CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

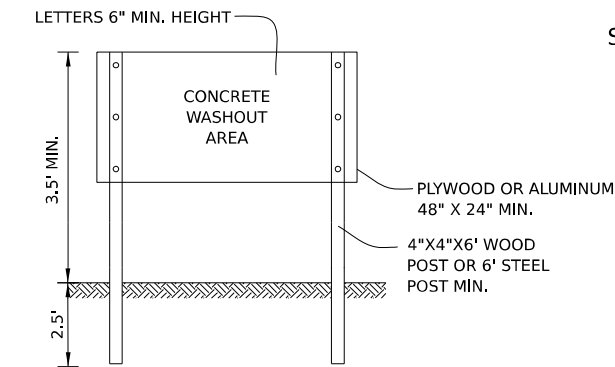
TEMPORARY CONCRETE WASHOUT FACILITY - EARTHEN TYPE



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:

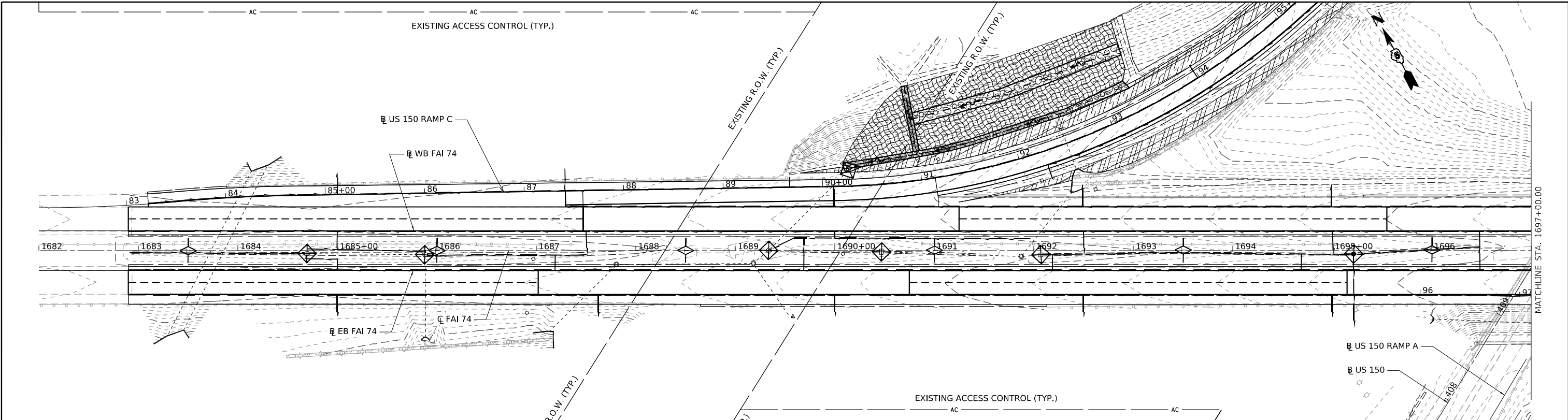
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEND CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"X2"X4' WOODEN STAKES.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

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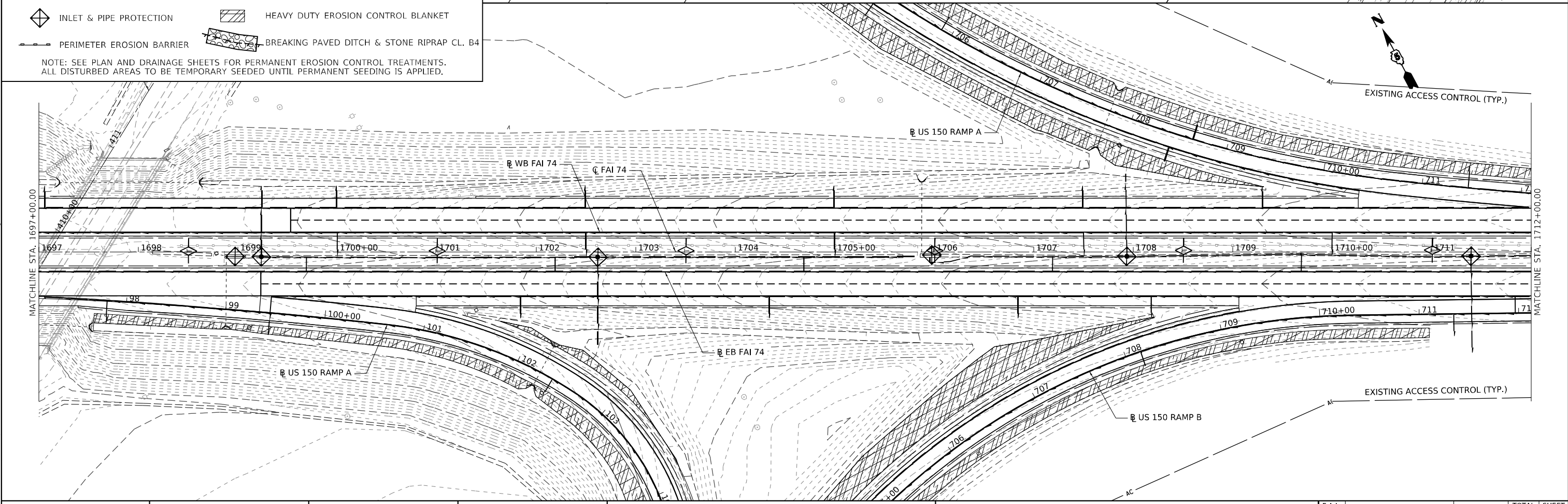
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74	(92-10,11,12)R	VERMILION	698	218
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARILY SEEDING UNTIL PERMANENT SEEDING IS APPLIED.



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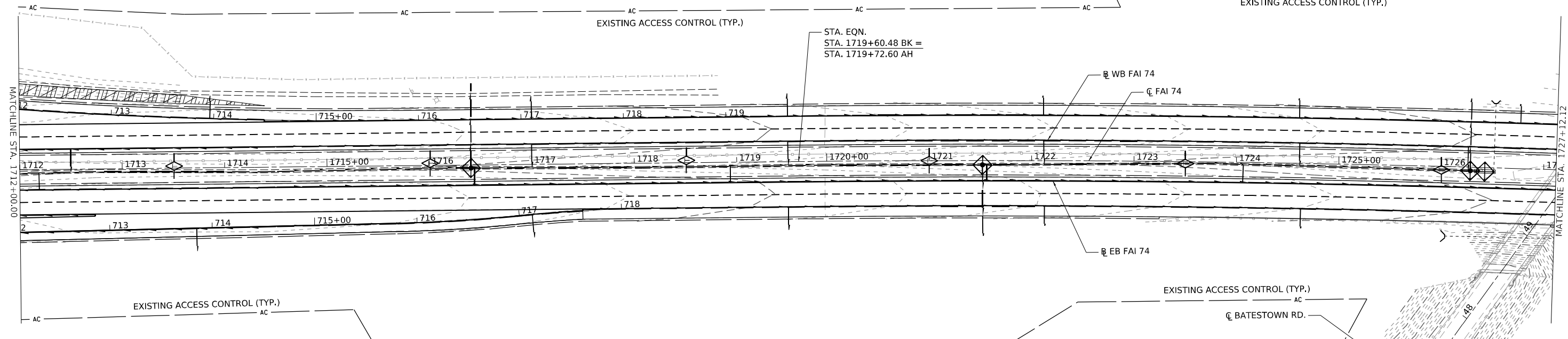
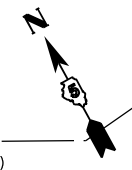
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN

SCALE: 1" = 50'
 SHEET 4 OF 15 SHEETS STA. TO STA.

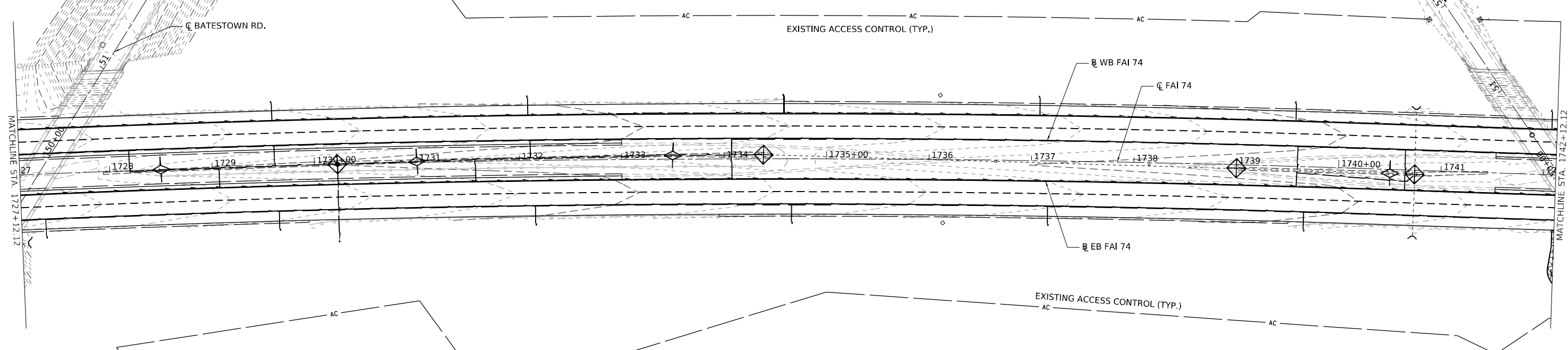
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74	(92-10.11,12)R	VERMILION	698	219
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARY SEEDED UNTIL PERMANENT SEEDING IS APPLIED.



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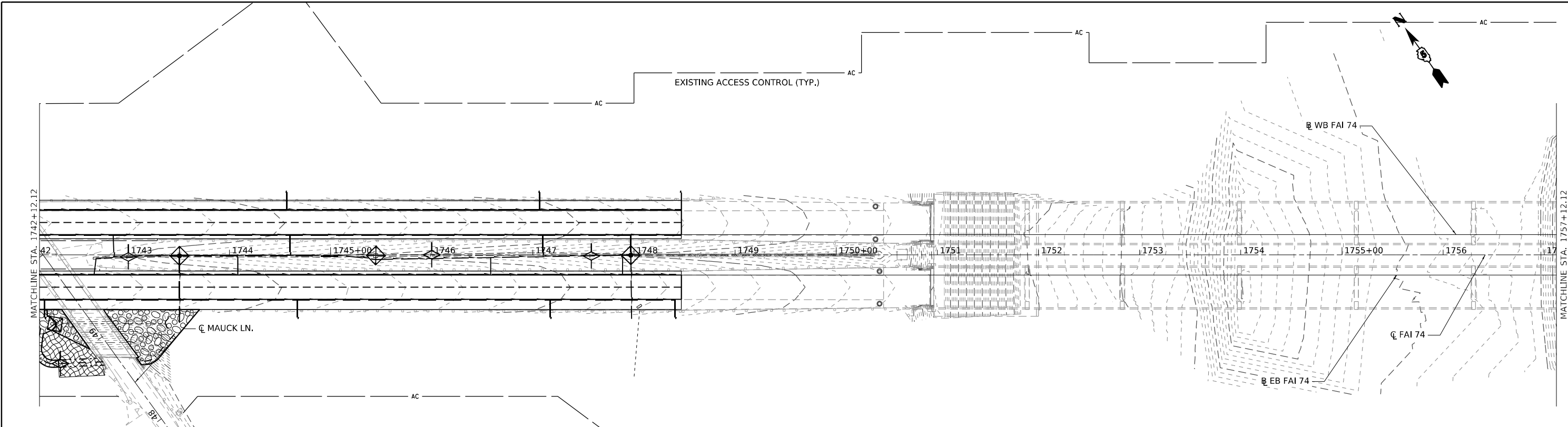
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
 EROSION CONTROL PLAN**

SCALE: 1" = 50' SHEET 5 OF 15 SHEETS STA. TO STA.

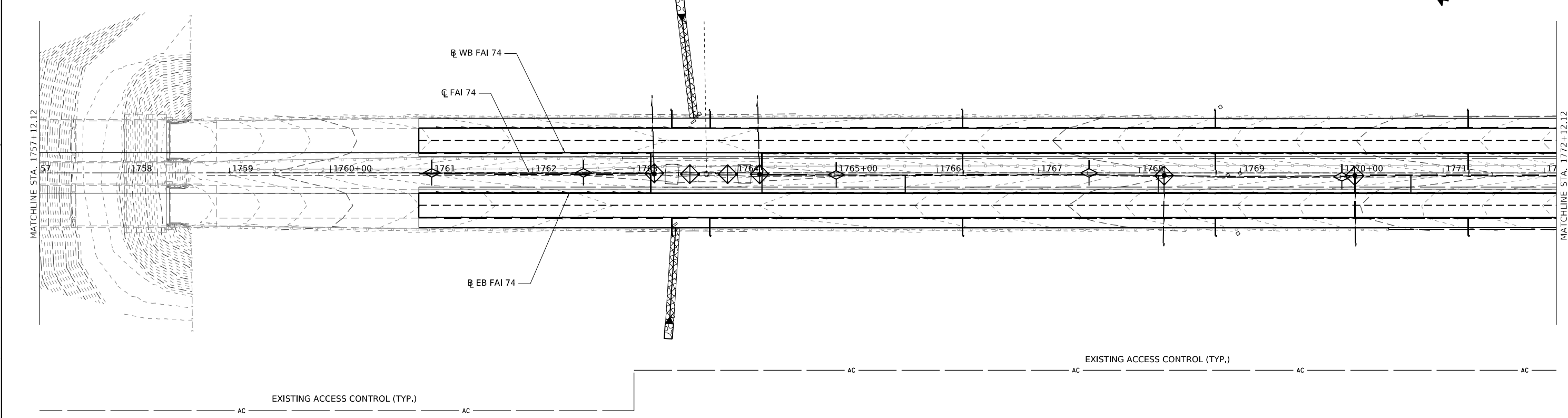
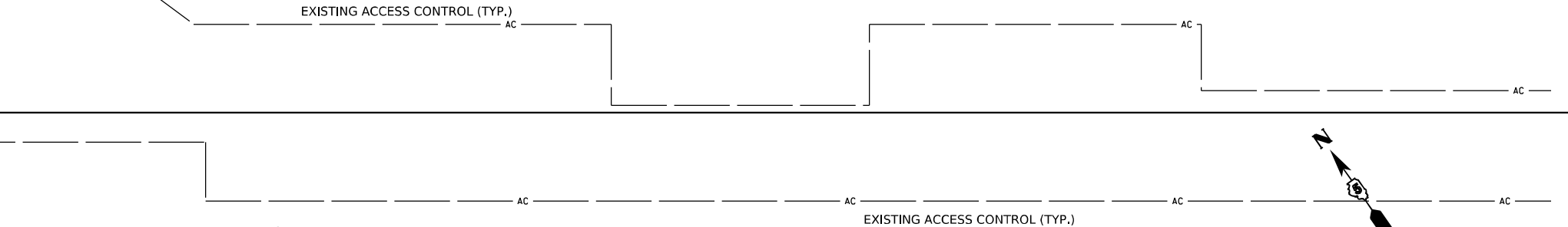
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CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARY SEEDING UNTIL PERMANENT SEEDING IS APPLIED.



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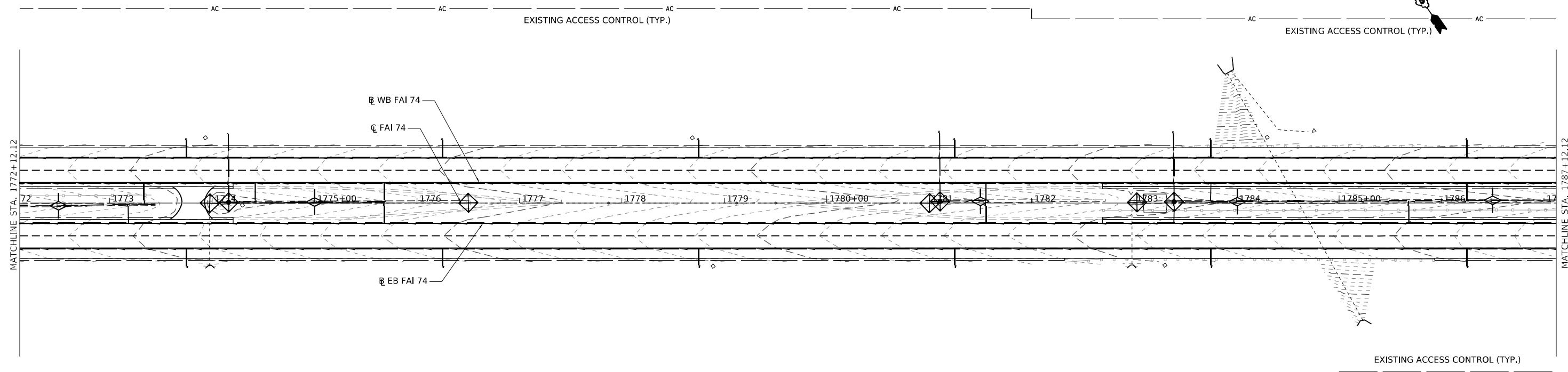
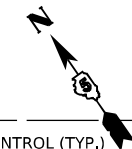
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN**

SCALE: 1" = 50' SHEET 6 OF 15 SHEETS STA. TO STA.

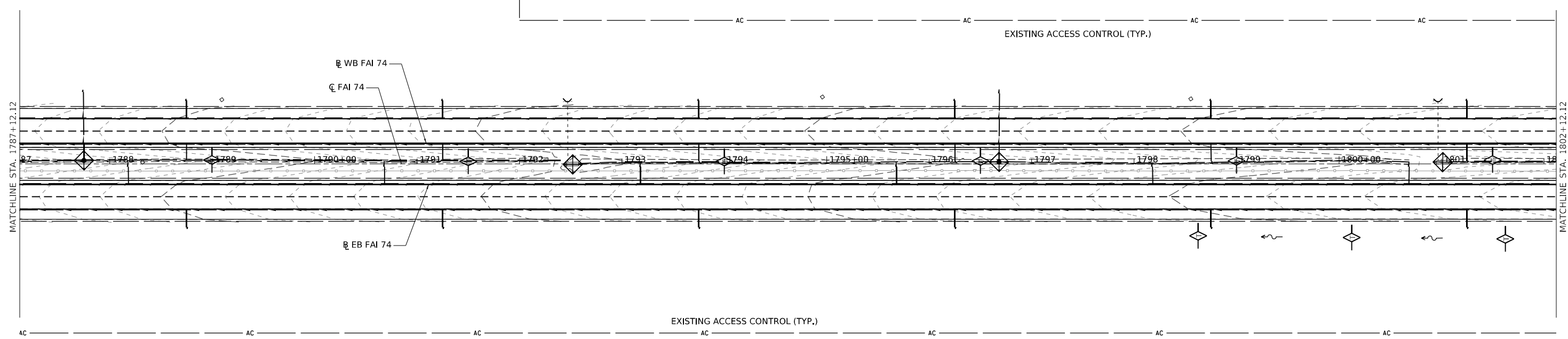
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74	(92-10.11,12)R	VERMILION	698	221
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARY SEEDING UNTIL PERMANENT SEEDING IS APPLIED.



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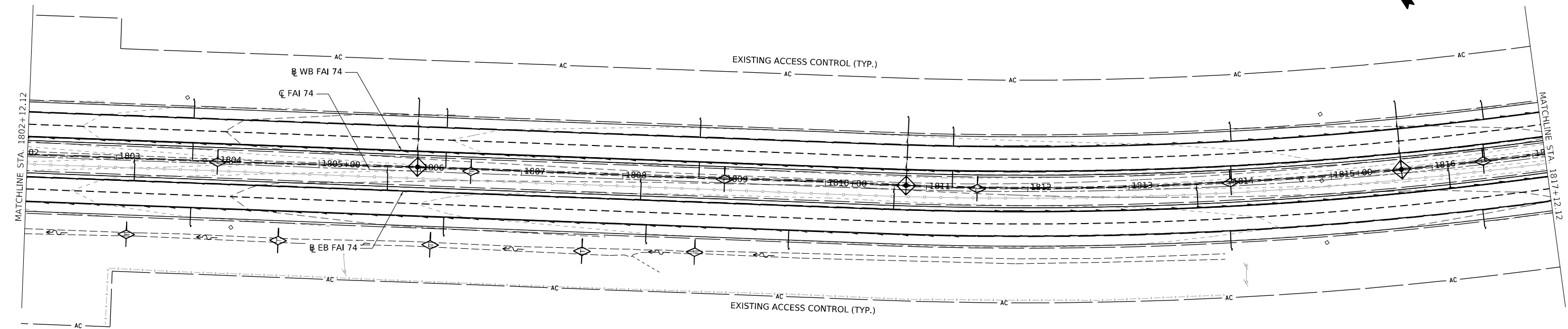
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN**

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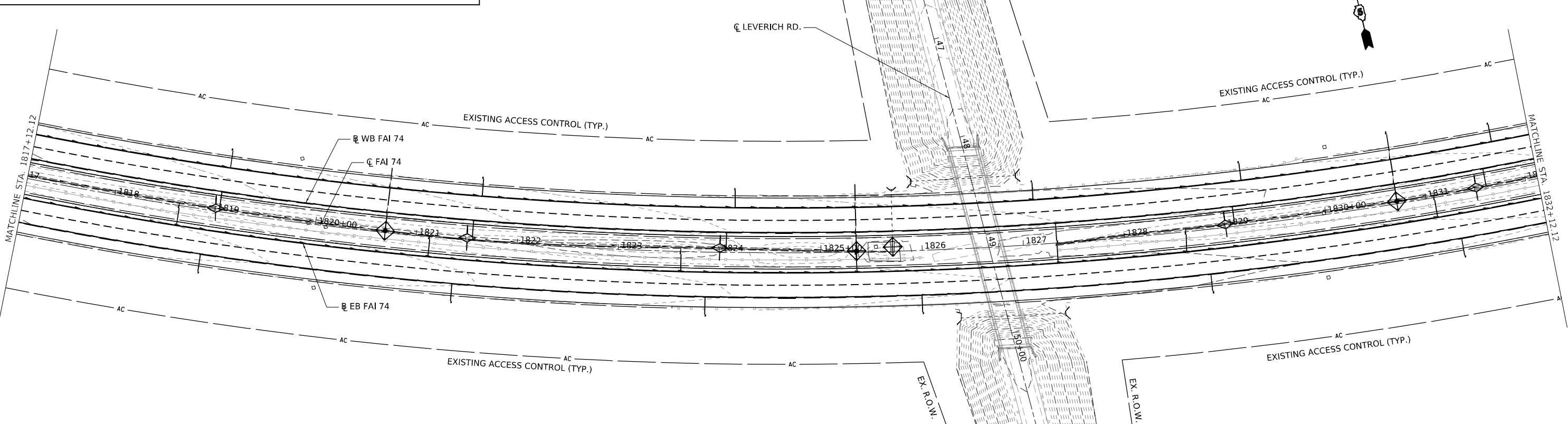
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74	(92-10.11,12)R	VERMILION	698	222
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARY SEEDING UNTIL PERMANENT SEEDING IS APPLIED.



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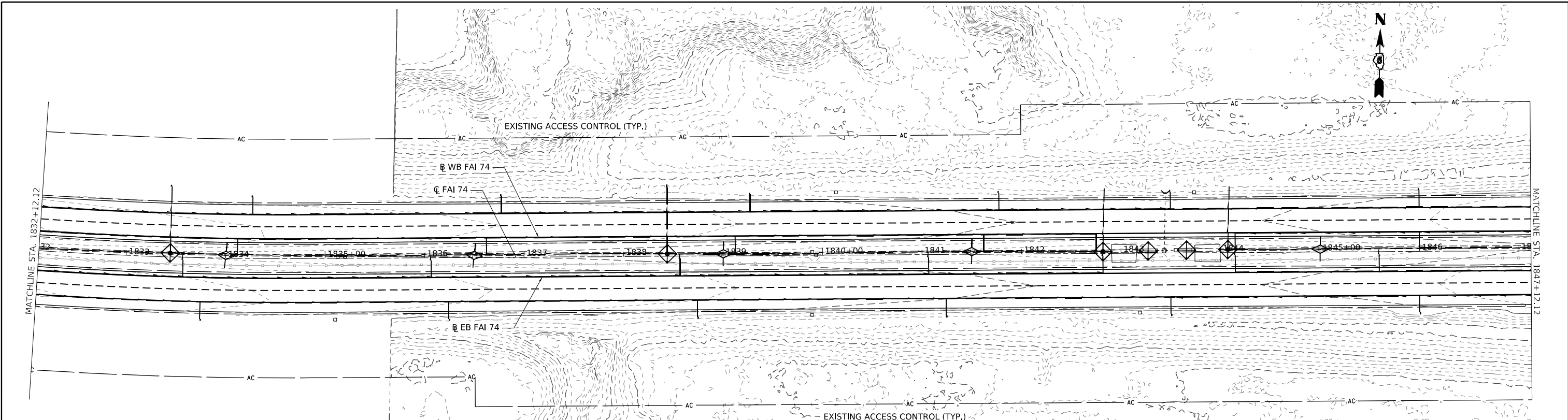
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN**

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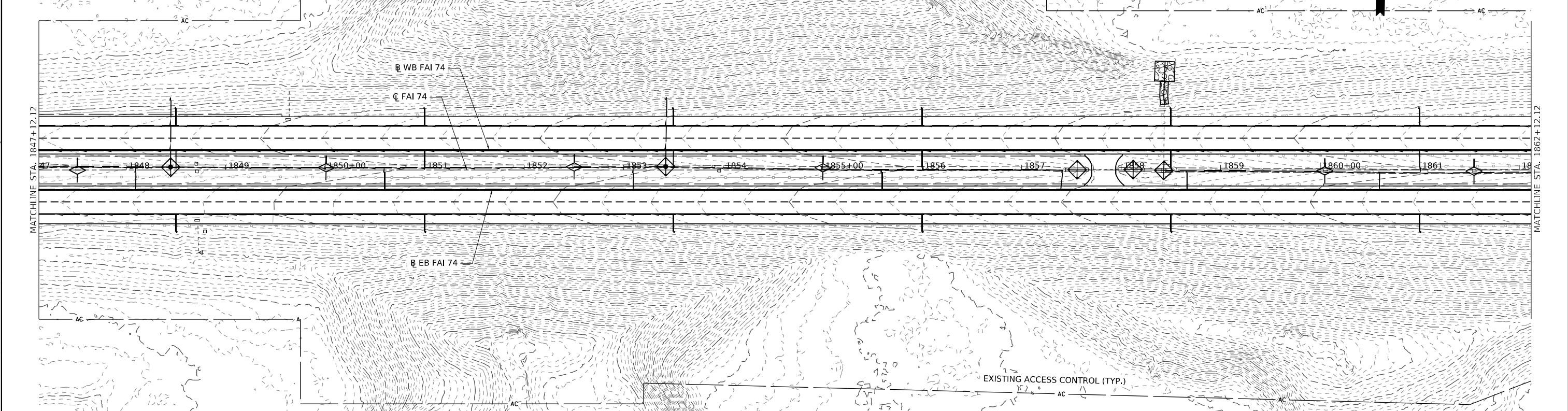
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74	(92-10.11,12)R	VERMILION	698	223
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARY SEEDED UNTIL PERMANENT SEEDING IS APPLIED.



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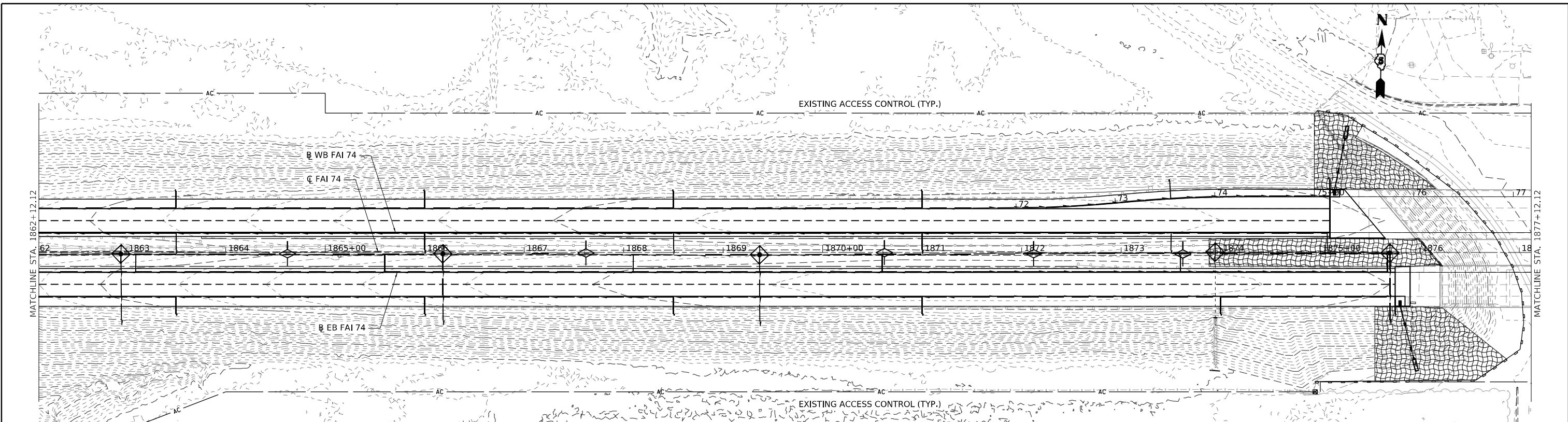
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN**

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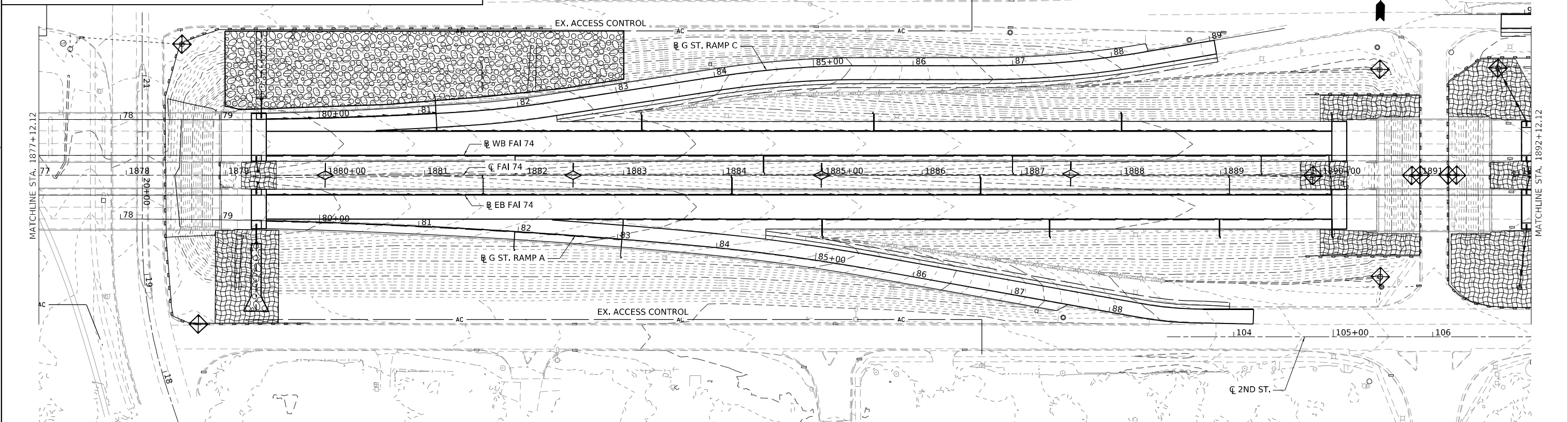
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74	(92-10.11,12)R	VERMILION	698	224
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARILY SEEDING UNTIL PERMANENT SEEDING IS APPLIED.



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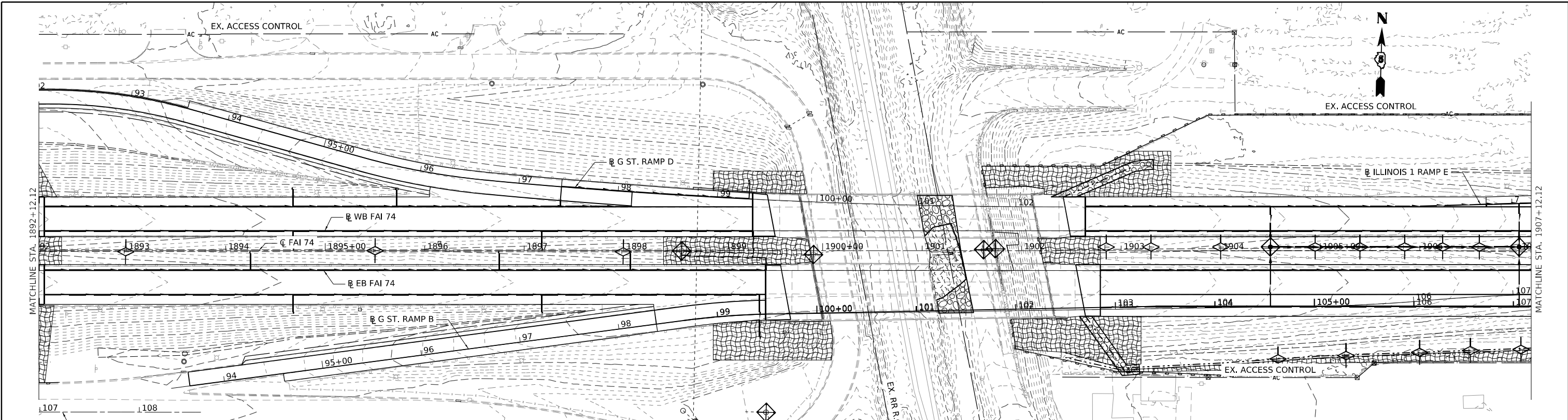
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN**

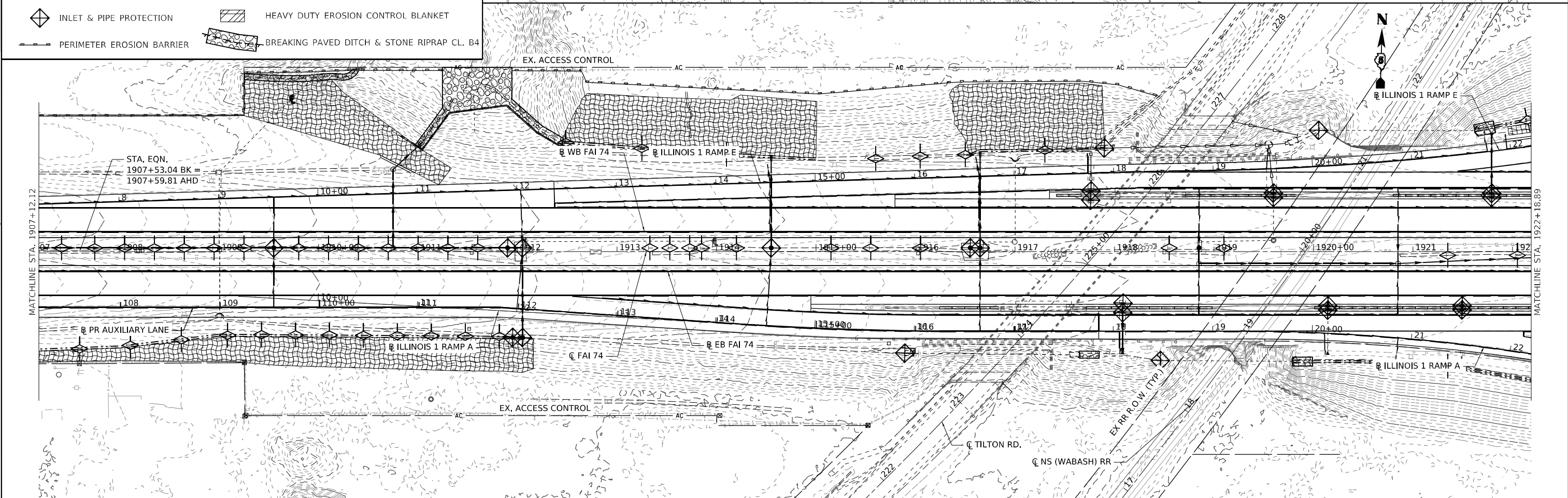
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	225
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARY SEEDED UNTIL PERMANENT SEEDING IS APPLIED.

- ◇ TEMPORARY DITCH CHECK
- ◇ AGGREGATE DITCH CHECK
- ◇ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ▨ RIPRAP
- ▨ EROSION CONTROL BLANKET
- ▨ HEAVY DUTY EROSION CONTROL BLANKET
- ▨ BREAKING PAVED DITCH & STONE RIPRAP CL. B4



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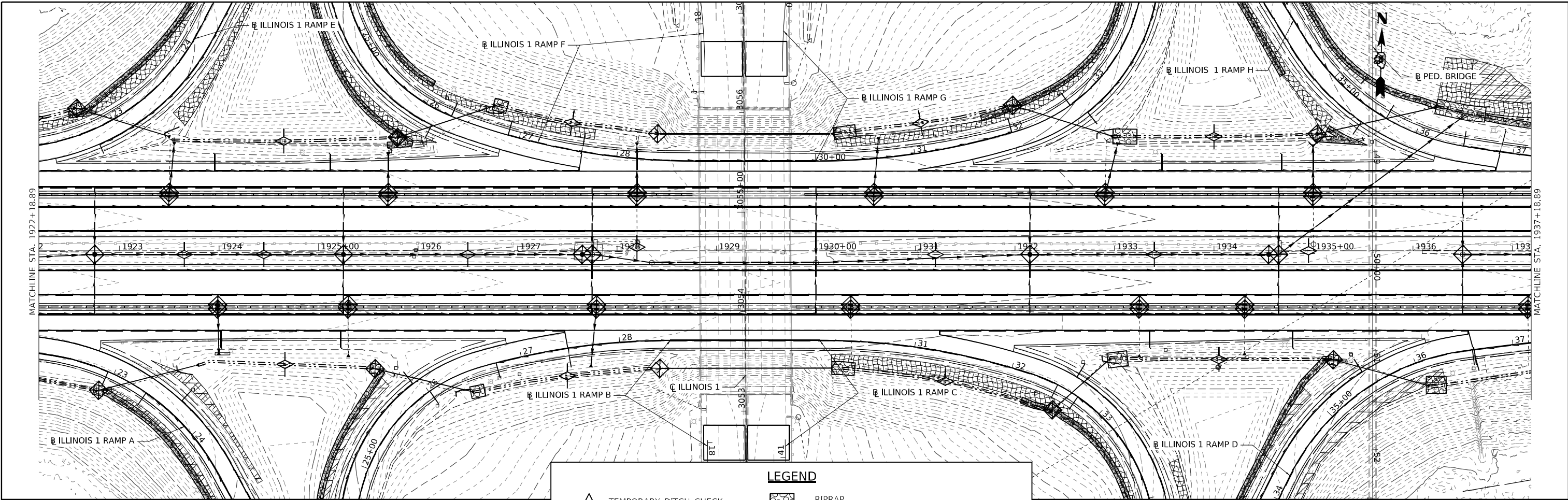
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN

SCALE: 1" = 50' SHEET 11 OF 15 SHEETS STA. TO STA.

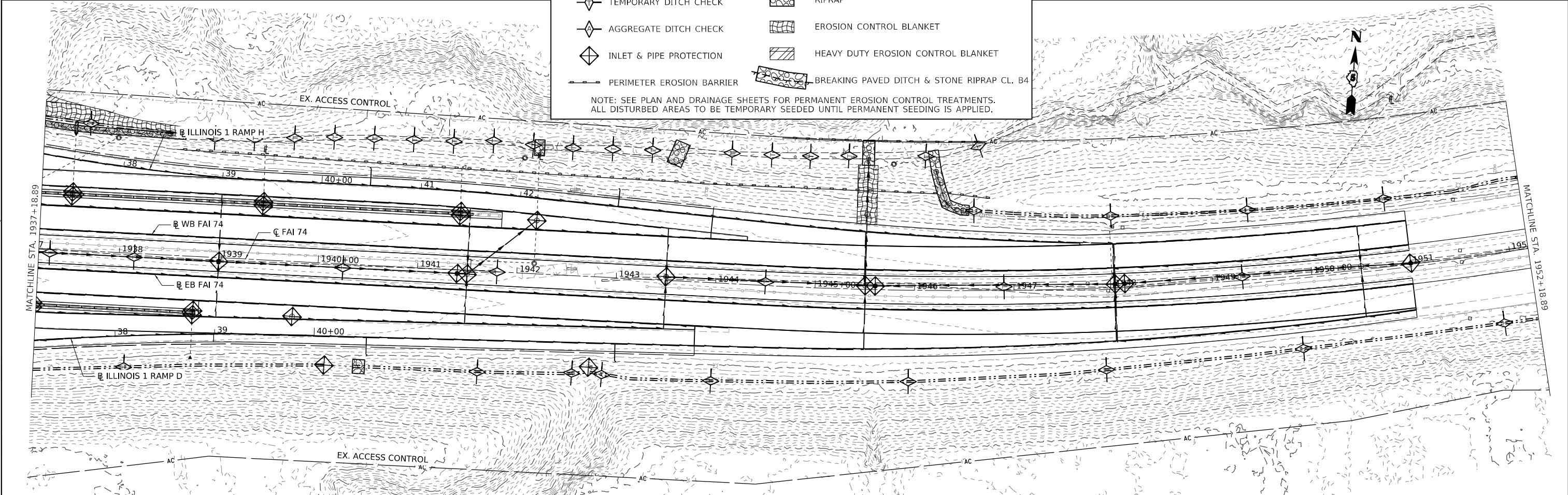
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	226
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARY SEEDING UNTIL PERMANENT SEEDING IS APPLIED.



MODEL: SHEET: ErosionControl.dwg
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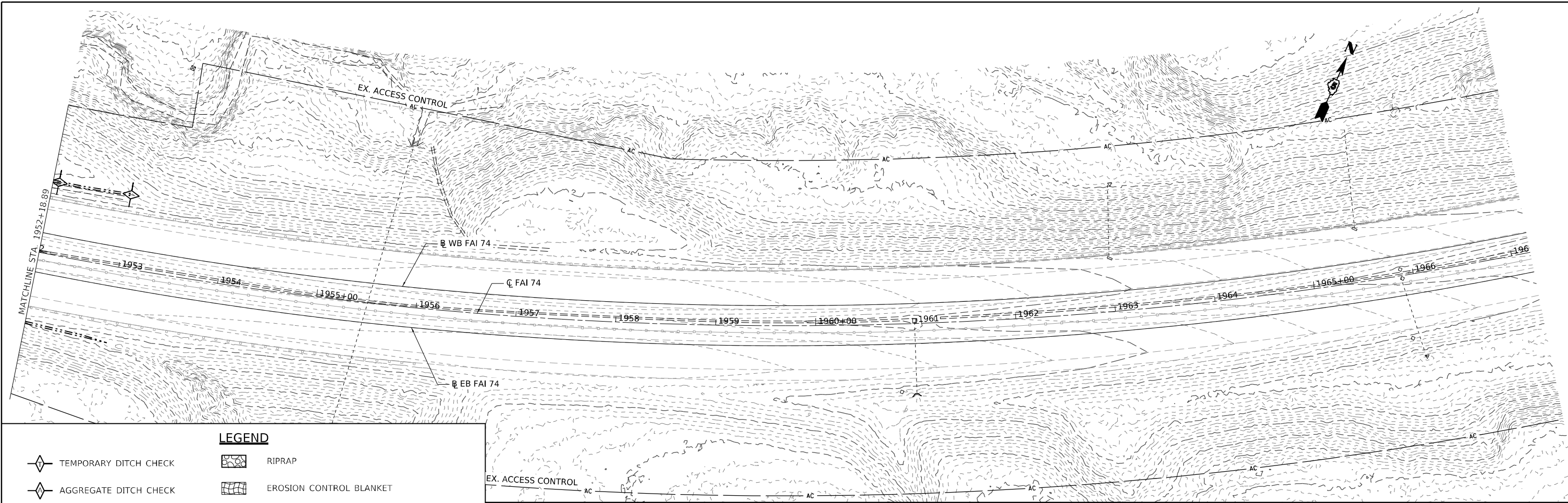
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN**

SCALE: 1" = 50' SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	227
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY DITCH CHECK
- AGGREGATE DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- RIPRAP
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS. ALL DISTURBED AREAS TO BE TEMPORARILY SEEDING UNTIL PERMANENT SEEDING IS APPLIED.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN

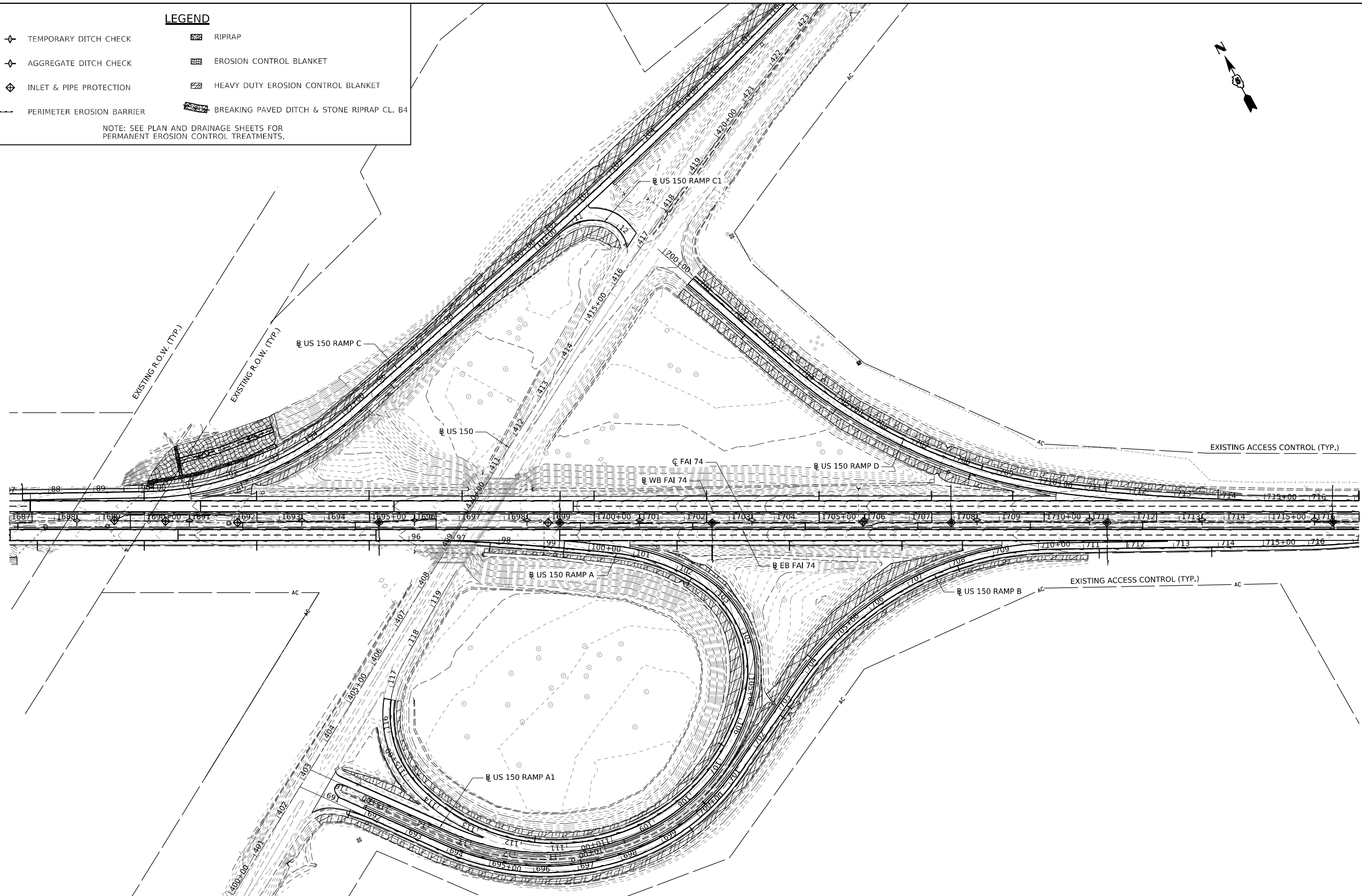
SCALE: 1" = 50' SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	228
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

LEGEND

- ◆ TEMPORARY DITCH CHECK
- ◆ AGGREGATE DITCH CHECK
- ◆ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ▨ RIPRAP
- ▨ EROSION CONTROL BLANKET
- ▨ HEAVY DUTY EROSION CONTROL BLANKET
- ▨ BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS.



MODEL: SHEET: Erosion Control
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USER NAME = cdunn
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 PLOT DATE = 3/24/2022

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN**

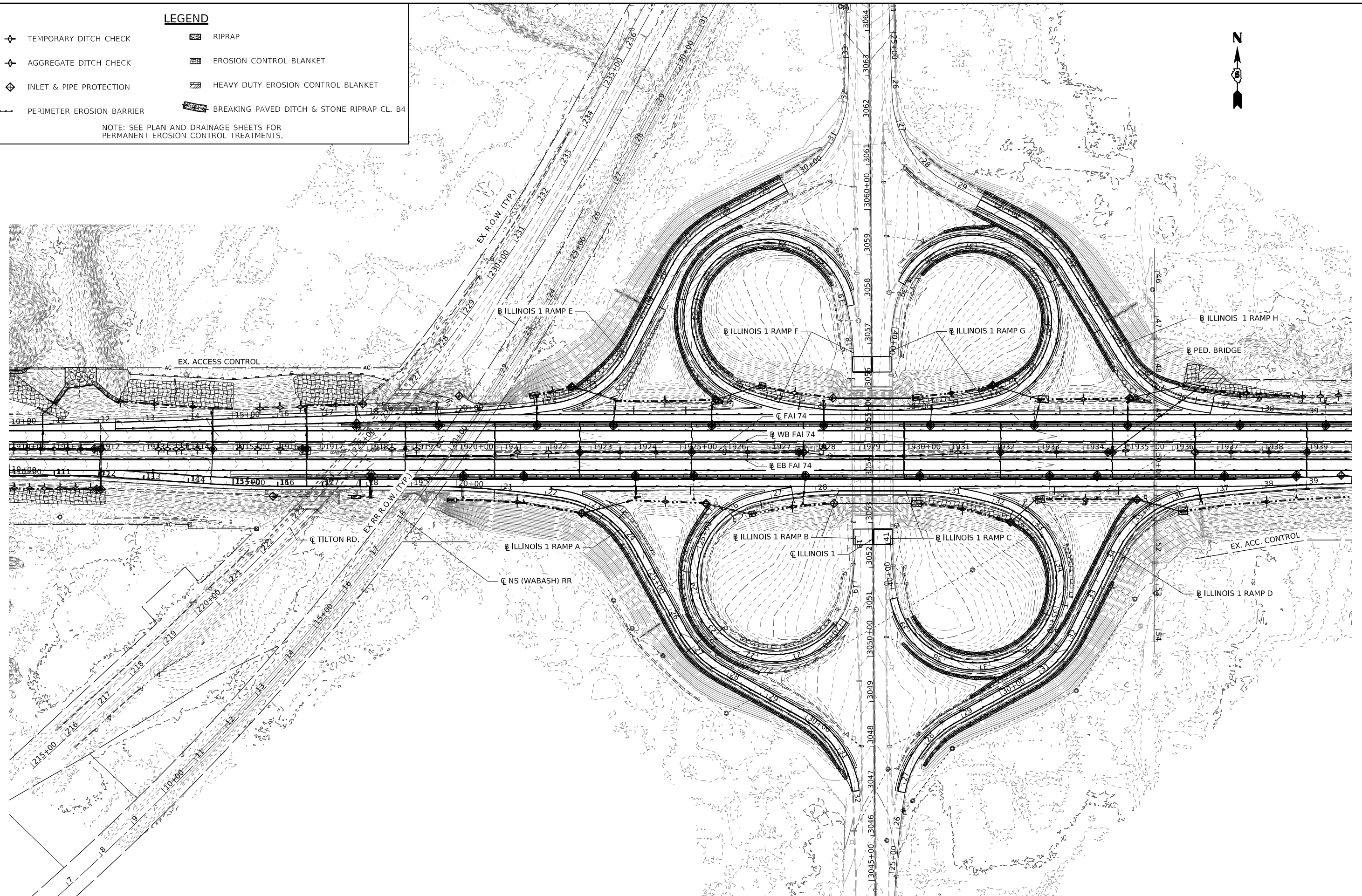
SCALE: 1" = 100' SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	229
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

LEGEND

- ◆ TEMPORARY DITCH CHECK
- ◆ AGGREGATE DITCH CHECK
- ◆ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ▨ RIPRAP
- ▨ EROSION CONTROL BLANKET
- ▨ HEAVY DUTY EROSION CONTROL BLANKET
- ▨ BREAKING PAVED DITCH & STONE RIPRAP CL. B4

NOTE: SEE PLAN AND DRAINAGE SHEETS FOR PERMANENT EROSION CONTROL TREATMENTS.



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

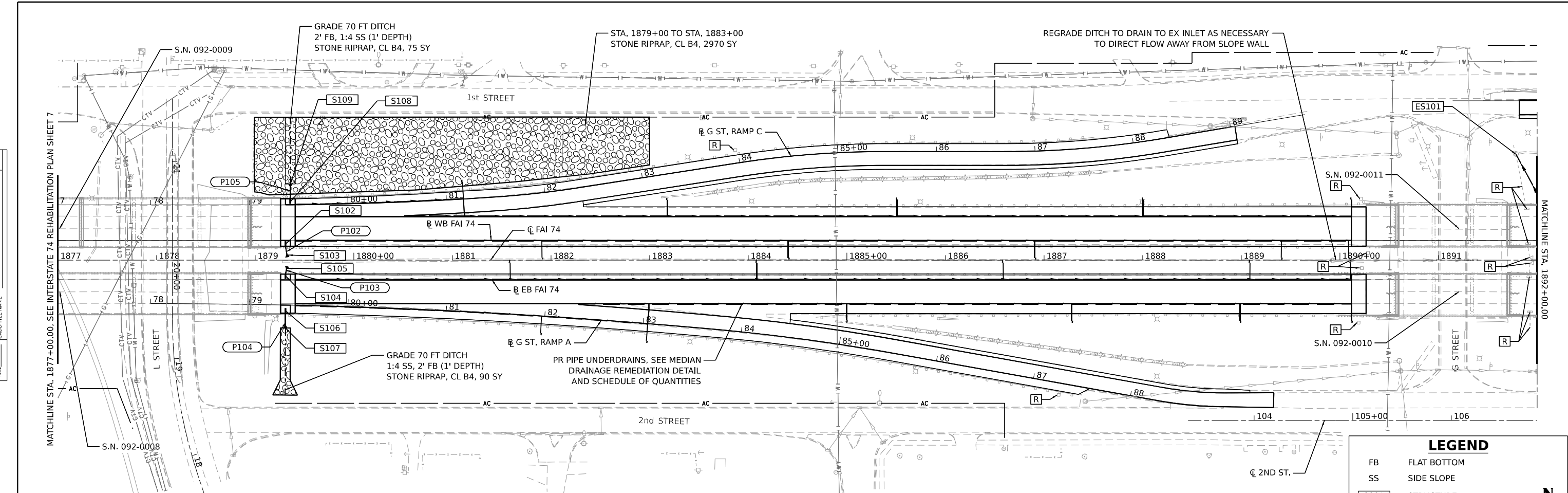
**INTERSTATE 74 REHABILITATION
EROSION CONTROL PLAN**

SCALE: 1" = 100' SHEET 15 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	230
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

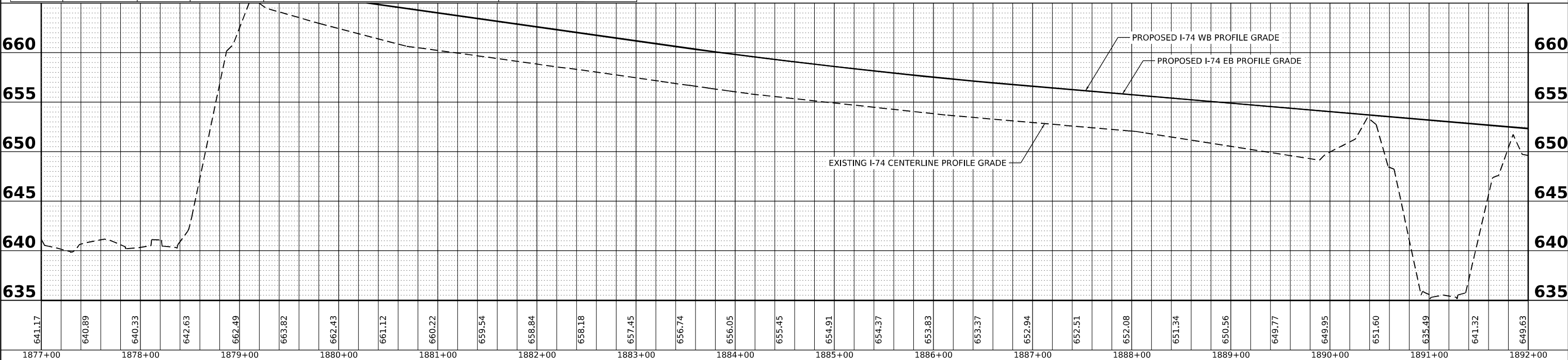
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	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	NO. _____	
	NO. _____	



STR	STATION	OFFSET (FT)	T/GRATE ELEV (FT)	INVERT ELEV (FT)	STRUCTURE TYPE
S102	1879+30.75	14.0 LT	665.90	663.23	TY E INLET BOX 610001
S104	1879+30.75	14.0 RT	665.90	663.23	TY E INLET BOX 610001
S106	1879+30.75	53.7 RT	665.75	663.08	TY E INLET BOX 610001
S107	1879+30.75	68.7 RT	-	662.50	PRC FLAR END SEC 12
S103	1879+32.68	3.1 LT	-	662.98	PRC FLAR END SEC 12
S105	1879+32.68	6.3 RT	-	662.98	PRC FLAR END SEC 12
S108	1879+35.75	62.2 LT	665.50	662.83	TY E INLET BOX 610001
S109	1879+35.75	77.2 LT	-	661.00	PRC FLAR END SEC 12
ES101	1891+86.80	105.4 LT	632.45	629.08	CONN EXDRG STRUCTURE

PIPE	STR	-	STR	LENGTH (FT)	TYPE	SLOPE (%)	TBF (CY)
P102	S102	-	S103	11.0	PIPE DRAINS 12	2.27	0
P103	S104	-	S105	8.0	PIPE DRAINS 12	3.13	0
P104	S106	-	S107	15.0	PIPE DRAINS 12	3.87	0
P105	S108	-	S109	15.0	PIPE DRAINS 12	12.20	0



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 www.prairieengineers.com
 professional design firm no. 15447-29955
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USER NAME = rtheinke	DESIGNED -	REVISED -
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	DATE -	REVISED -

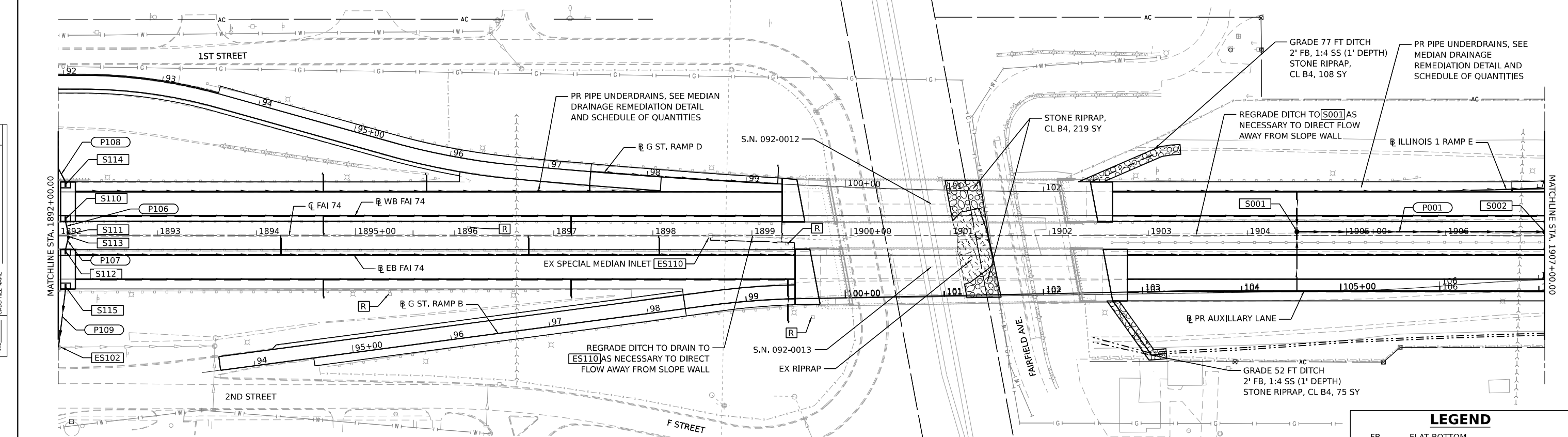
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
 I 74 DRAINAGE PLAN AND PROFILE**
 SCALE: 1" = 50'
 SHEET 1 OF 12 SHEETS
 STA. 1877+00.00 TO STA. 1892+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	231
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHKD	
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PROFILE	SURVEYED	DATE
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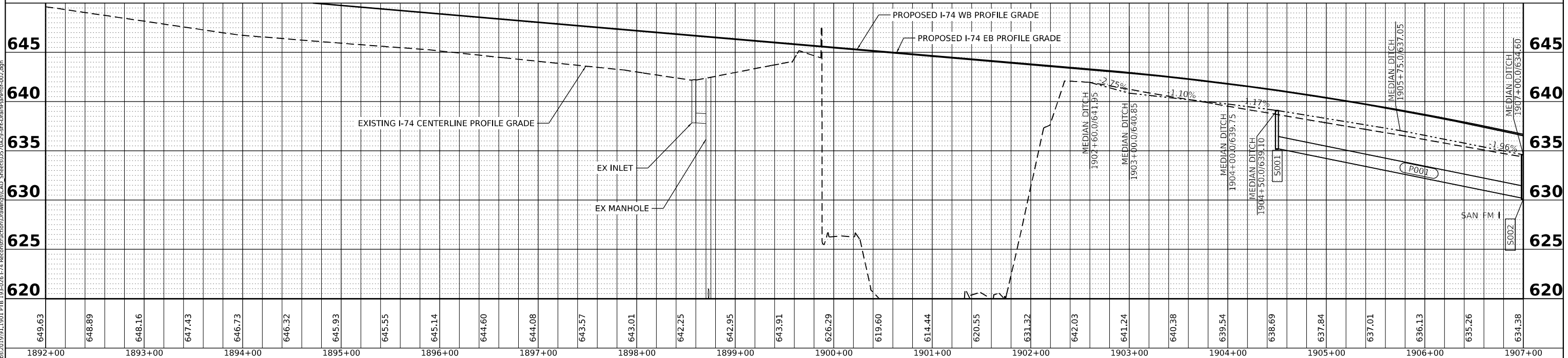
STR	STATION	OFFSET (FT)	T/GRATE ELEV (FT)	INVERT ELEV (FT)	STRUCTURE TYPE
S001	1904+50.00	4 LT	639.10	637.1 N, 637.1 S, 635.2 E	FL INLT BX MED 542546
S002	1907+00.00	4 LT	634.80	632.6 N, 632.6 S, 630.1 E, 630.2 W	FL INLT BX MED 542546
S110	1892+07.40	14.0 LT	651.85	649.18	TY E INLET BOX 610001
S112	1892+07.40	14.0 RT	651.85	649.18	TY E INLET BOX 610001
S114	1892+07.40	54.0 LT	651.75	649.08	TY E INLET BOX 610001
S115	1892+07.40	54.0 RT	651.83	649.16	TY E INLET BOX 610001
S111	1892+10.47	1.0 LT	-	648.83	PRC FLAR END SEC 12
S113	1892+10.47	1.0 RT	-	648.91	PRC FLAR END SEC 12
S200	1917+76.30	59.5 LT	615.06	610.80	DR STR T4 W/2 T20F&G
S201	1918+08.15	60.0 RT	614.61	611.40	DR STR T4 W/2 T20F&G
ES102	1892+00	113 RT	635.90	629.10	EX MANHOLE
ES110	1898+58	CL	642.20	637.84	EX SP MEDIAN INLET

PIPE	STR	-	STR	LENGTH (FT)	TYPE	SLOPE (%)	TBF (CY)
P001	S001	-	S002	250.0	STORM SEW CL A 1 15	2.00	0
P002	S002	-	S003	248.0	STORM SEW CL A 2 15	2.02	0
P105	S108	-	S109	15.0	PIPE DRAINS 12	12.20	0
P106	S110	-	S111	14.0	PIPE DRAINS 12	2.50	0
P107	S112	-	S113	14.0	PIPE DRAINS 12	1.93	0
P108	S114	-	ES101	61.0	PIPE DRAINS 12	32.79	0
P109	S115	-	ES102	59.0	PIPE DRAINS 12	5.08	0

LEGEND

- FB FLAT BOTTOM
- SS SIDE SLOPE
- S001 STRUCTURE
- ES001 EX STRUCTURE
- 001 PIPE CULVERT
- E001 EX PIPE OR STORM SEWER
- P001 NEW STORM SEWER
- R REMOVAL ITEMS

0 50 100 150
SCALE IN FEET



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 Columbia, IL 62236
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USER NAME = rheinke	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/16"	DRAWN -	REVISED -
PLOT DATE = 3/23/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

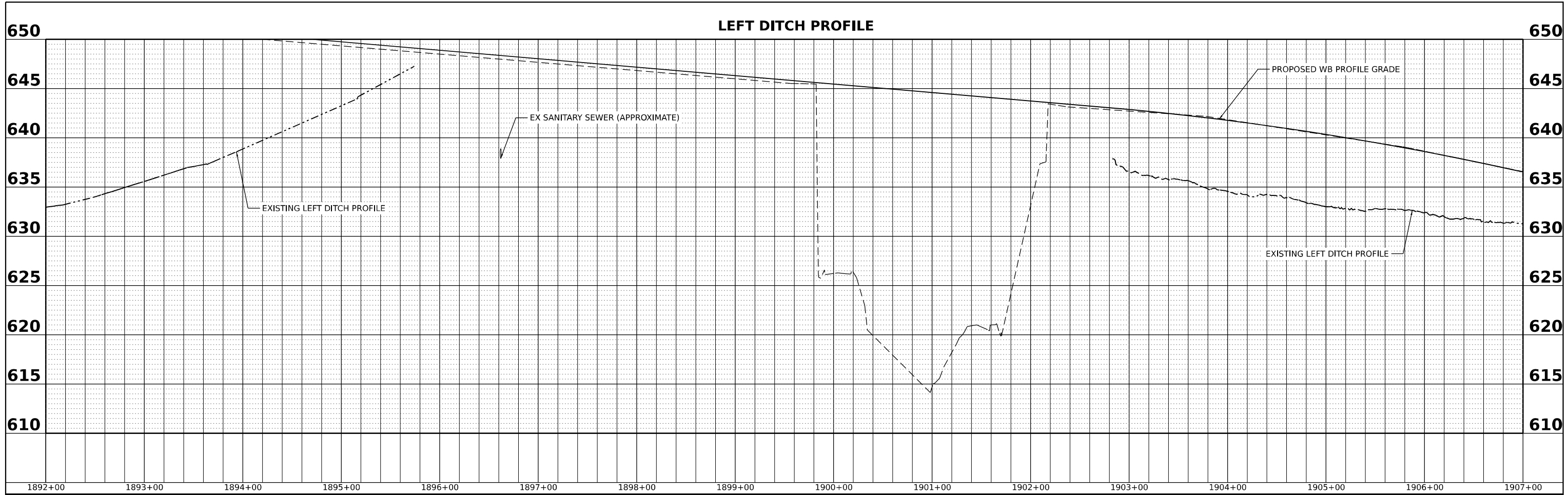
**INTERSTATE 74 REHABILITATION
I 74 DRAINAGE PLAN AND PROFILE**

SCALE: 1" = 50' SHEET 3 OF 12 SHEETS STA. 1892+00.00 TO STA. 1907+00.00

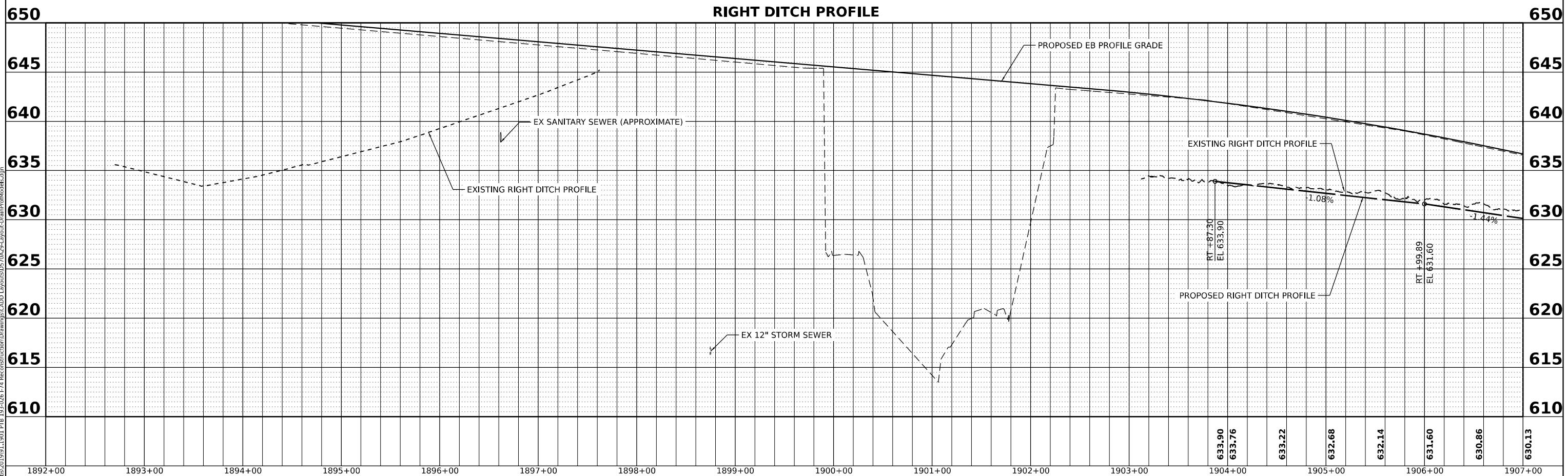
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	233
CONTRACT NO. 70A29				

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
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	ALIGNMENT CHECKED	
	GRADE CHECKED	
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	NOTE BOOK	
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PROFILE	SURVEYED	DATE
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	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	
	NOTE BOOK	
	NO.	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

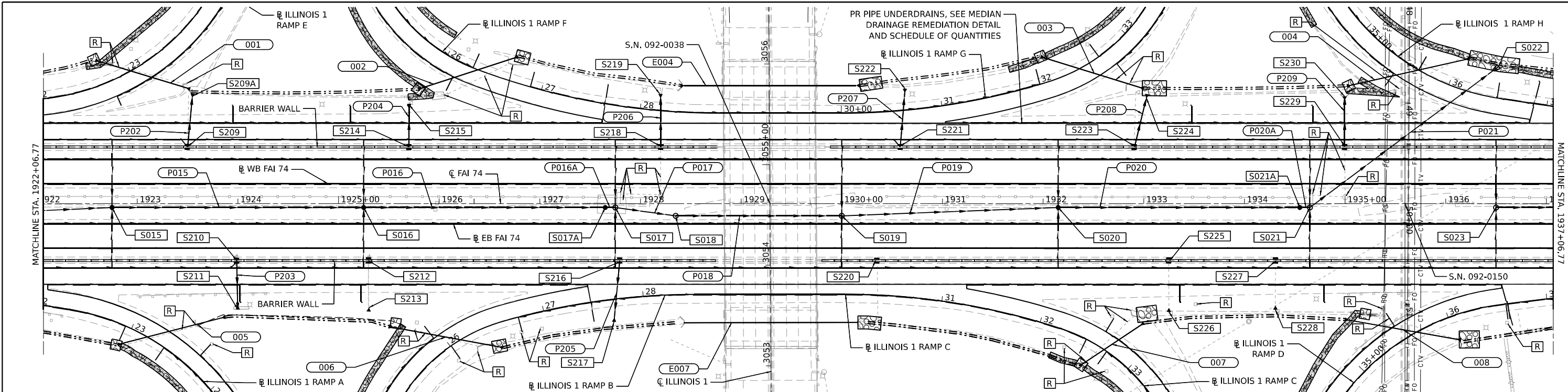
**INTERSTATE 74 REHABILITATION
DITCH PROFILES**

SCALE: 1"=50'H / 5'V SHEET 4 OF 12 SHEETS STA. 1892+00.00 TO STA. 1907+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	234
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

PLAN	NO.	DATE	BY	APPROVED
				DATE
NO.	NO.	NO.	NO.	NO.

PROFILE	NO.	DATE	BY	APPROVED
				DATE
NO.	NO.	NO.	NO.	NO.



STR	STATION	OFFSET (FT)	T/GRATE ELEV (FT)	INVERT ELEV (FT)	STRUCTURE TYPE	STR	STATION	OFFSET (FT)	T/GRATE ELEV (FT)	INVERT ELEV (FT)	STRUCTURE TYPE	PIPE	STR	STR	LENGTH (FT)	TYPE	SLOPE (%)	TBF (CY)	
S015	1922+75.00	4 RT	610.85	608.8 N, 608.8 S, 607.51 E, 607.56 W	FL INLT BX MED 542546	S209	1923+50.14	59.4 LT	612.48	609.10	DR STR T4 W/2 T20F&G	P015	S015	-	S016	250.0	STORM SEW CL A 1 18	0.40	0
S016	1925+25.00	4 RT	610.10	607.6 N, 607.6 S, 606.46 E, 606.51 W	FL INLT BX MED 542546	S209A	1923+51.00	110.4 LT	-	608.80	PRC FLAR END SEC 12	P016	S016	-	S017A	240.0	STORM SEW CL A 1 24	0.40	0
S017	1927+75.00	4 RT	609.35	606.3 N, 606.3 S, 605.36 E, 605.41 W	MAN TA 4 DIA T1F OL	S210	1923+99.64	58.5 RT	612.35	608.30	DR STR T4 W/2 T20F&G	P016A	S017A	-	S017	10.0	STORM SEW CL A 1 24	0.40	0
S017A	1927+65.00	4 RT	609.40	605.45 E, 605.5 W	FL INLT BX MED 542546	S211	1923+99.84	105.7 RT	-	605.80	PRC FLAR END SEC 12	P017	S017	-	S018	61.0	STORM SEW CL A 2 24	0.39	0
S018	1928+35.00	12 RT	610.80	605.07 E, 605.12 W	MAN TA 4 DIA T1F OL	S212	1925+29.74	59.4 RT	612.01	607.90	DR STR T4 W/2 T20F&G	P018	S018	-	S019	165.0	STORM SEW CL A 2 24	0.40	0
S019	1930+00.00	12 RT	610.30	606.8 N, 606.8 S, 604.36 E, 604.41 W	MAN TA 4 DIA T1F OL	S213	1925+29.74	103.3 RT	-	607.70	PRC FLAR END SEC 12	P019	S019	-	S020	215.0	STORM SEW CL A 2 24	0.40	0
S020	1932+15.00	4 RT	608.85	605.8 N, 605.8 S, 603.45 E, 603.5 W	FL INLT BX MED 542546	S214	1925+69.96	59.5 LT	611.88	607.90	DR STR T4 W/2 T20F&G	P020	S020	-	S021A	240.0	STORM SEW CL A 2 24	0.40	0
S021	1934+65.00	4 RT	607.35	604.4 N, 604.4 S, 602.4 W, 602.35 NE	MAN TA 5 DIA T1F OL	S215	1925+69.96	112.5 LT	-	607.70	PRC FLAR END SEC 12	P020A	S021A	-	S021	10.0	STORM SEW CL A 1 30	0.40	0
S021A	1934+55.00	4 RT	607.35	602.44 E, 602.49 W	FL INLT BX MED 542546	S216	1927+80.00	56 RT	611.28	607.30	DR STR T4 W/2 T20F&G	P021	S021	-	S022	234.0	SS RG CL A 2 30	0.41	166
S022	1936+52.50	136 LT	NA	601.4 SW	PRC FLAR END SEC 30	S217	1927+80.00	104.5 RT	-	607.00	PRC FLAR END SEC 12	P202	S209	-	S204	54.0	PIPE DRAINS 12	0.56	17
S023	1936+50.00	4 RT	607.80	605 N, 605 S, 604 E	MAN TA 4 DIA T1F OL	S218	1928+20.12	58.6 LT	611.07	606.60	DR STR T4 W/2 T20F&G	P203	S210	-	S211	47.0	PIPE DRAINS 12	5.74	21
						S219	1928+20.12	119.8 LT	-	606.30	PRC FLAR END SEC 18	P204	S214	-	S215	53.0	PIPE DRAINS 12	0.38	22
						S220	1930+35.20	59.0 RT	610.55	604.80	DR STR T4 W/2 T20F&G	P205	S216	-	S217	49.0	PIPE DRAINS 12	0.61	29
						S221	1930+58.00	56.0 LT	610.33	606.50	DR STR T4 W/2 T20F&G	P206	S218	-	S219	61.0	PIPE DRAINS 18	0.49	34
						S222	1930+58.00	113.8 LT	-	606.30	PRC FLAR END SEC 12	P207	S221	-	S222	43.0	PIPE DRAINS 12	0.47	27
						S223	1932+90.58	59.2 LT	609.72	605.80	DR STR T4 W/2 T20F&G	P208	S223	-	S224	52.0	PIPE DRAINS 12	0.38	20
						S224	1933+03.00	108.9 RT	-	605.60	PRC FLAR END SEC 12	P209	S229	-	S230	57.0	PIPE DRAINS 24	0.53	28
						S225	1933+24.90	59.1 RT	609.69	603.40	DR STR T4 W/2 T20F&G								
						S226	1933+24.90	107.3 RT	-	603.10	PRC FLAR END SEC 12								
						S227	1934+30.84	59.0 RT	609.45	603.60	DR STR T4 W/2 T20F&G								
						S228	1934+30.84	105.1 RT	-	603.20	PRC FLAR END SEC 12								
						S229	1934+99.52	59.4 LT	609.01	604.00	DR STR T4 W/2 T20F&G								
						S230	1934+99.52	106.0 LT	-	603.70	PRC FLAR END SEC 24								

NOTES:
ROCK LAYER ELEVATION SHOWN IN PROFILE IS ESTIMATED TO BE 2.3' FEET BELOW THE I74 EB PROFILE GRADE, ASSUMING THAT ORIGINAL ROCK LAYER WAS REMOVED TO THIS ELEVATION. THIS ELEVATION WAS USED IN ESTIMATED ROCK EXCAVATION QUANTITIES.

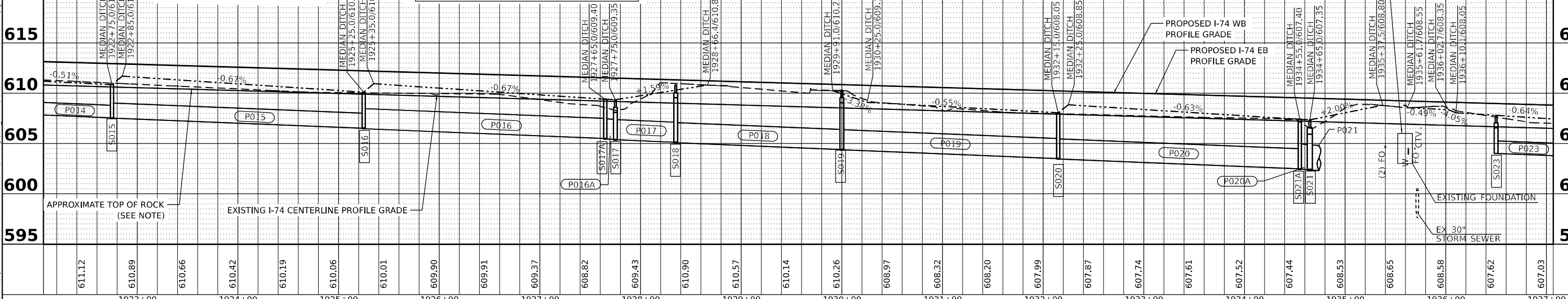
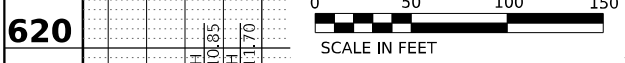
SEE RAMP DRAINAGE PLANS FOR CULVERTS 001-008 AND E004 AND E007 AND OUTLET PROTECTION.

WHERE BREAKING PAVED DITCH AND INSTALLING STONE RIPRAP, NO BEDDING OR FILTER FABRIC, INCLUDED IN THE COST OF STONE RIPRAP.

LEGEND

- FB FLAT BOTTOM
- SS SIDE SLOPE
- S001 STRUCTURE
- ES001 EX STRUCTURE
- 001 PIPE CULVERT
- E001 EX PIPE OR STORM SEWER
- P001 NEW STORM SEWER
- R REMOVAL ITEMS

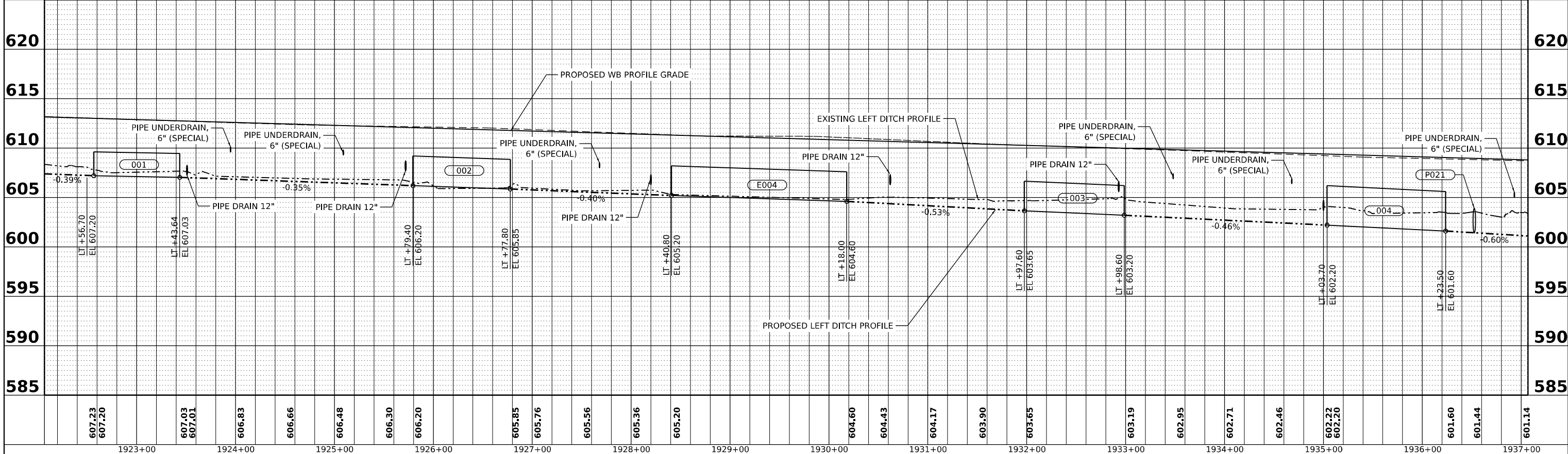
N



625

LEFT DITCH PROFILE

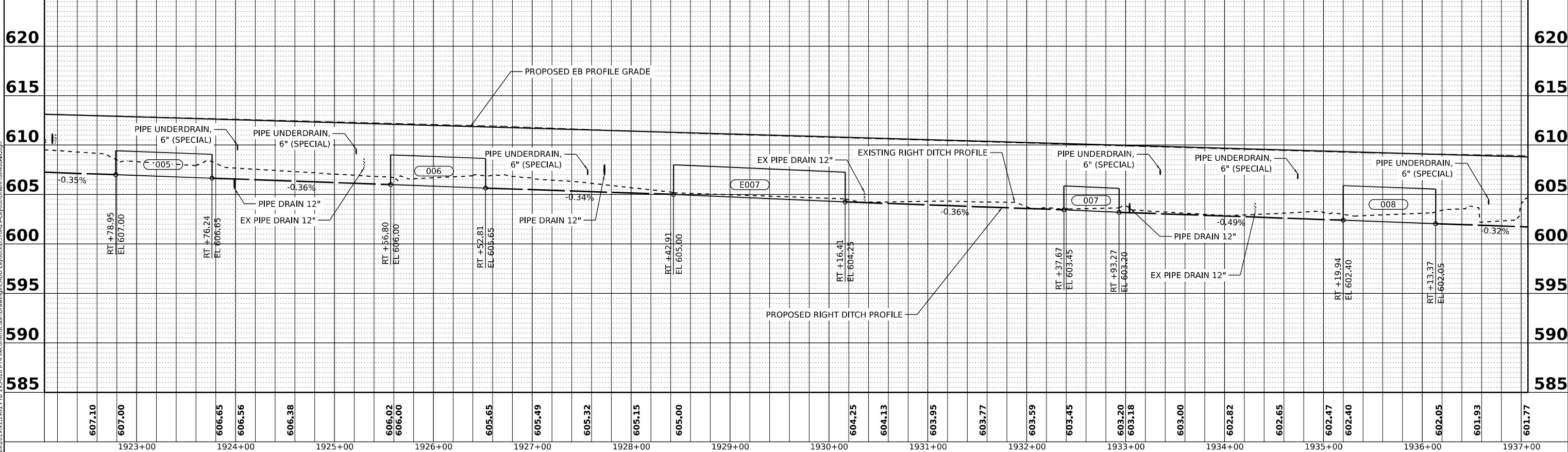
625



625

RIGHT DITCH PROFILE

625



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNMENT CHECKED
	CADD FILE NAME
	NO.
	NO.
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHKD
	NO.
	NO.
	NO.

MODEL: PROFILE SHEET 4
FILE NAME: I:\p\2019\11\1901.PTB 193-026 174 Reconstruction\Drawings\CADD Layouts\0570A29-Layout-DitchProfiles.dwg

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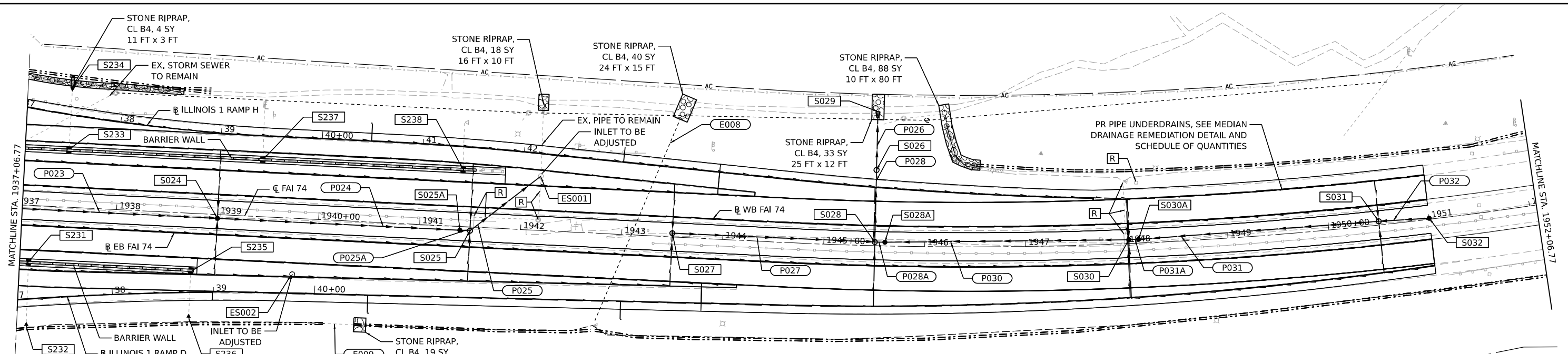
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PLOT DATE	= 3/23/2022	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 74 REHABILITATION
DITCH PROFILES
SCALE: 1"=50'H / 5'V SHEET 8 OF 12 SHEETS STA. 1922+06.77 TO STA. 1937+06.77

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	238
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

STR	STATION	OFFSET (FT)	T/GRATE ELEV (FT)	INVERT ELEV (FT)	STRUCTURE TYPE
S024	1939+00.00	4 RT	606.20	604.2 N, 604.2 S, 602.95 E, 603 W	FL INLT BX MED 542546
S025	1941+50.00	4 RT	605.60	602.2 N, 602.2 S, 601.85 W, 601.8 NE	EX CATCH BASIN
S025A	1941+40.00	4 RT	605.65	601.95 E, 602 W	FL INLT BX MED 542546
ES001	1942+17.30	54 LT	607.10	601.32 EX N, 600.69 EX S, 601.30 PR SW	EX INLET
S026	1945+50.50	75 LT	604.00	590.25 N, 598.8 S	MAN TA 5 DIA T1F CL
S027	1943+50.00	4 LT	605.90	603 N, 603 S, 601.85 E	MAN TA 4 DIA T1F OL
S028	1945+50.50	4 LT	604.75	599.1 N, 601.3 S, 599.15 E, 600.5 W, 601.3 NW	MAN TA 5 DIA T1F OL
S028A	1945+60.50	4 LT	604.70	599.25 F, 599.2 W	FI INI TR X MED 542546
S029	1945+50.50	133 LT	NA	590 S	PRC FLAR END SEC 24
S030	1948+01.50	4 LT	604.75	600.3 E, 600.25 W, 602.2 NW, 602.2 NE, 602.2 SW, 602.2 SE	FL INLT BX MED 542546
S030A	1948+11.50	4 LT	604.75	600.4 E, 600.35 W	FL INLT BX MED 542546
S031	1950+50.00	4 LT	606.10	603.1 N, 603.1 S, 601.4 E, 601.35 W	MAN TA 4 DIA T1F CL
S032	1951+00.00	1 LT	604.60	601.6 W	FL INLT BX MED 542546
S231	1937+15.51	59.0 RT	608.68	604.30	DR STR T4 W/2 T20F&G
S232	1937+15.51	115.6 RT	-	603.60	PRC FLAR END SEC 12
S233	1937+50.02	59.0 LT	608.40	603.72	DR STR T4 W/2 T20F&G
S234	1937+50.02	118.3 LT	-	602.45	PRC FLAR END SEC 12
S235	1938+76.26	58.7 RT	608.51	601.79	DR STR T4 W/2 T20F&G
S236	1938+76.26	103.3 RT	-	601.69	PRC FLAR END SEC 12
S237	1939+42.11	59.1 LT	607.92	601.85	DR STR T4 W/2 T20F&G
S238	1941+40.01	58.9 LT	607.39	601.29	DR STR T4 W/2 T20F&G

PIPE	STR	-	STR	LENGTH (FT)	TYPE	SLOPE (%)	TBF (CY)
P023	S023	-	S024	250.0	STORM SEW CL A 1 15	0.40	0
P024	S024	-	S025A	240.0	STORM SEW CL A 1 15	0.40	0
P025A	S025A	-	S025	10.0	STORM SEW CL A 1 18	1.00	0
P025	S025	-	ES001	89.0	STORM SEW CL A 2 18	0.56	150
P026	S026	-	S029	58.0	STORM SEW CL A 3 24	0.43	0
P027	S027	-	S028	200.0	STORM SEW CL A 1 15	0.68	0
P028	S028	-	S026	71.0	STORM SEW CL A 2 24	0.42	65
P028A	S028A	-	S028	10.0	STORM SEW CL A 2 24	0.50	0
P030	S030	-	S028A	241.0	STORM SEW CL A 2 18	0.41	0
P031A	S030A	-	S030	10.0	STORM SEW CL A 1 18	0.50	0
P031	S031	-	S030A	238.0	STORM SEW CL A 2 15	0.40	0
P032	S032	-	S031	50.0	STORM SEW CL A 2 15	0.40	0
E008				216.0	54" RCP	4.06	
E009				29.0	24" CMP	0.62	

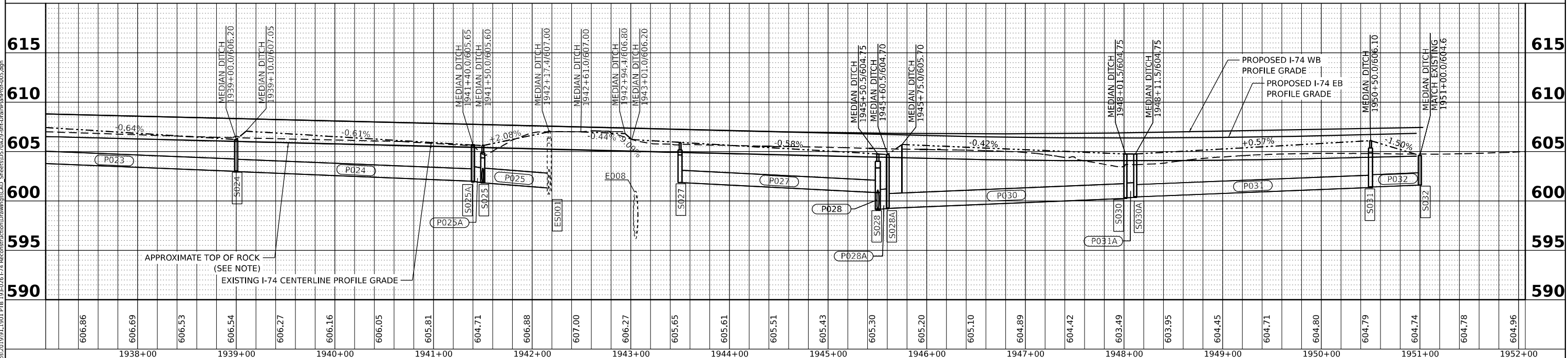
NOTE:
ROCK LAYER ELEVATION SHOWN IN PROFILE IS ESTIMATED TO BE 2.3' FEET BELOW THE I74 EB PROFILE GRADE, ASSUMING THAT ORIGINAL ROCK LAYER WAS REMOVED TO THIS ELEVATION. THIS ELEVATION WAS USED IN ESTIMATED ROCK EXCAVATION QUANTITIES.

WHERE BREAKING PAVED DITCH AND INSTALLING STONE RIPRAP, NO BEDDING OR FILTER FABRIC, INCLUDED IN THE COST OF STONE RIPRAP.

LEGEND

- FB FLAT BOTTOM
- SS SIDE SLOPE
- S001 STRUCTURE
- ES001 EX STRUCTURE
- 001 PIPE CULVERT
- E001 EX PIPE OR STORM SEWER
- P001 NEW STORM SEWER
- R REMOVAL ITEMS

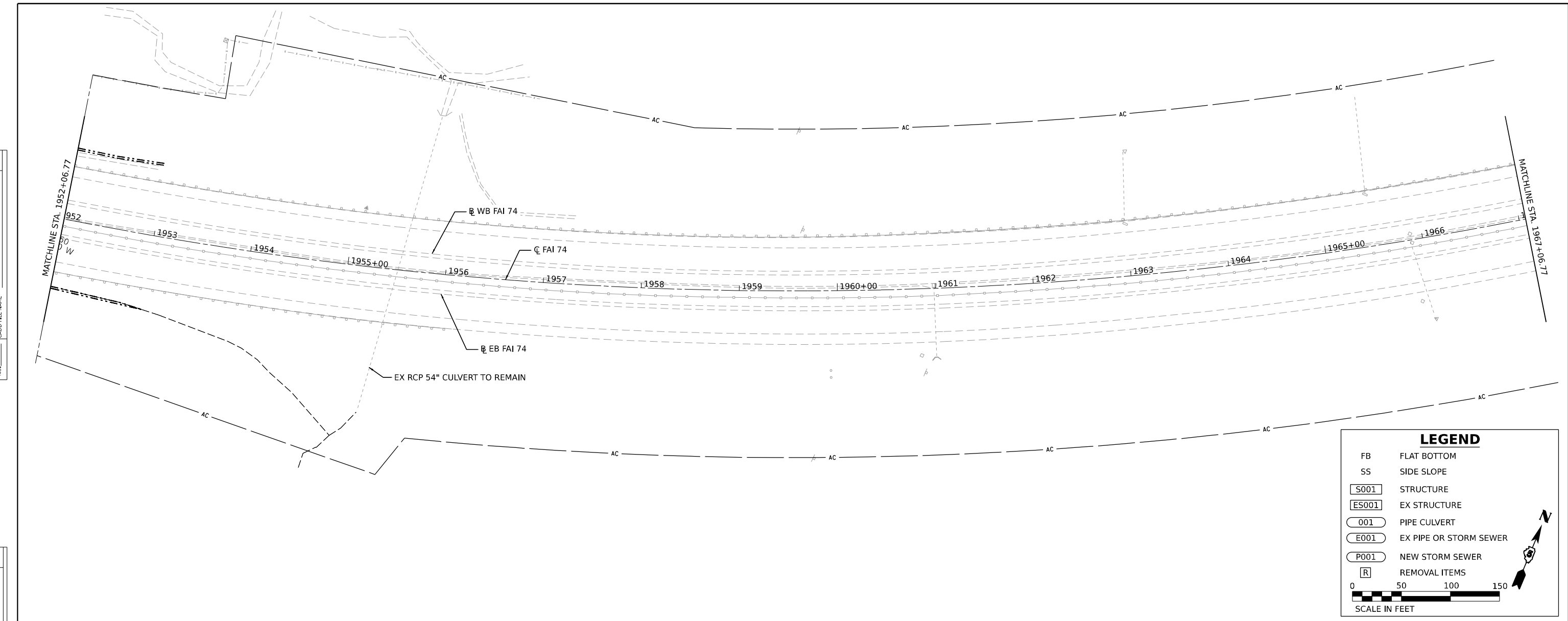
SCALE IN FEET



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404 N. Main Street Columbia, IL 62238 (217) 695-0403	PLOT SCALE = 1/8" = 16.666633' / 1"	DRAWN -	REVISED -	SCALE: 1" = 50'	SHEET 9 OF 12 SHEETS STA. 1937+06.77 TO STA. 1952+06.77	
www.prairieengineers.com	PROF. DESIGNER (P) 03/23/2022	CHECKED -	REVISED -			F.A.I. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
Professional design firm no. 154472965 © Copyright Prairie Engineers of Illinois, P.C. 2018	DATE = 3/23/2022	REVISOR -	REVISED -			74 (92-10.11,12)R VERMILION 698 239 CONTRACT NO. 70A29
				ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

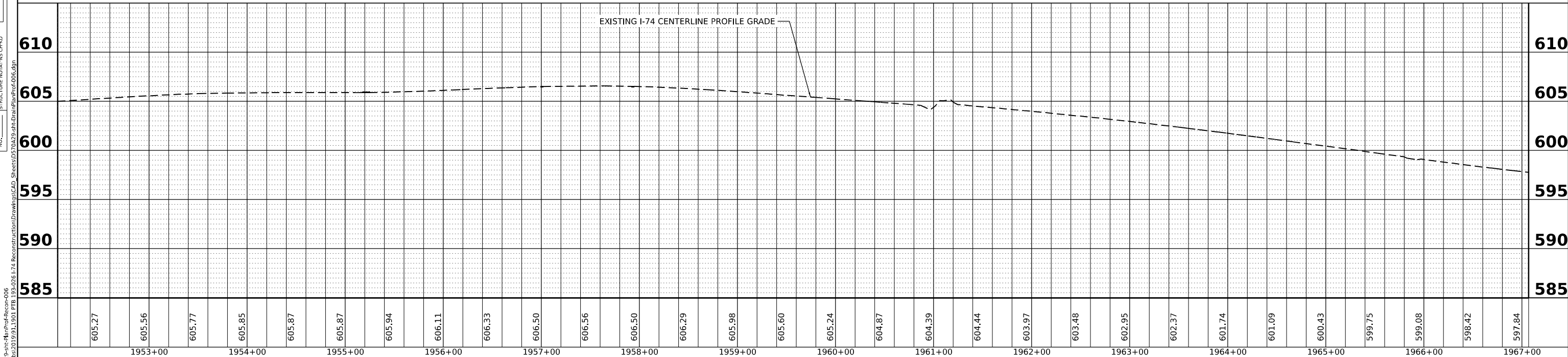
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	NO.	



LEGEND

- FB FLAT BOTTOM
- SS SIDE SLOPE
- S001 STRUCTURE
- ES001 EX STRUCTURE
- 001 PIPE CULVERT
- E001 EX PIPE OR STORM SEWER
- P001 NEW STORM SEWER
- R REMOVAL ITEMS

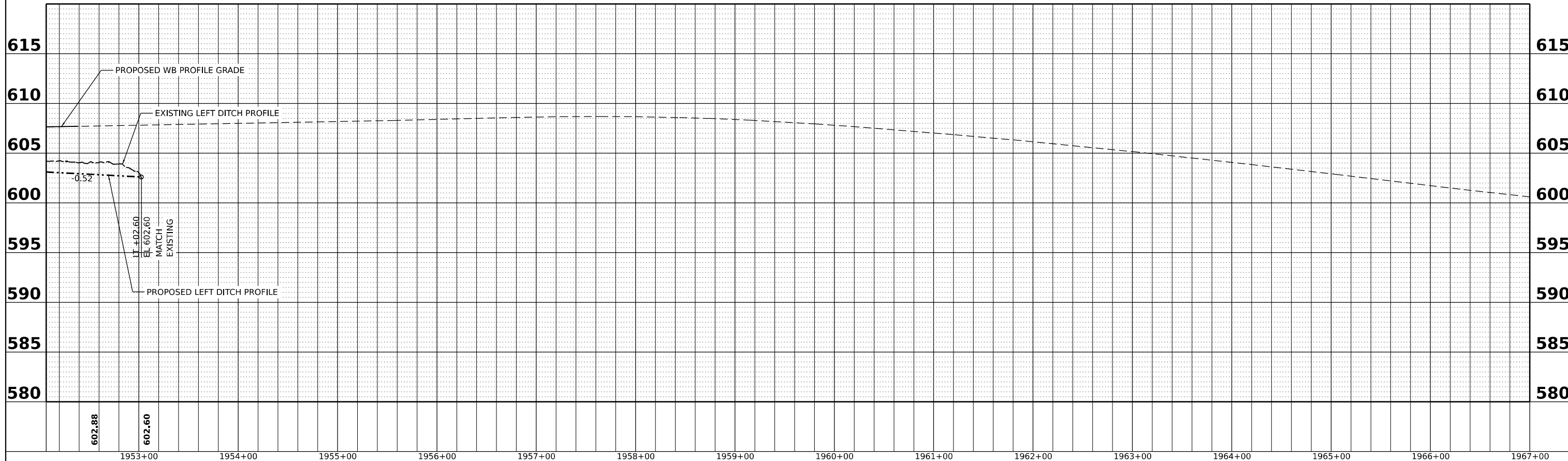
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SCALE IN FEET



Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62238 (217) 695-0403 www.prairieengineers.com <small>Professional design firm no. 154470965 Copyright Prairie Engineers of Illinois, P.C. 2019</small>	USER NAME = rheinke DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSTATE 74 REHABILITATION I 74 DRAINAGE PLAN AND PROFILE	F.A.I. R.T.E. = 74 SECTION = (92-10.11,12)R COUNTY = VERMILION TOTAL SHEETS = 698 SHEET NO. = 241 CONTRACT NO. 70A29
	PLOT SCALE = 0.16666633 1/16" PLOT DATE = 3/23/2022	SCALE: 1" = 50' SHEET 11 OF 12 SHEETS STA. 1952+06.77 TO STA. 1967+06.77			ILLINOIS FED. AID PROJECT

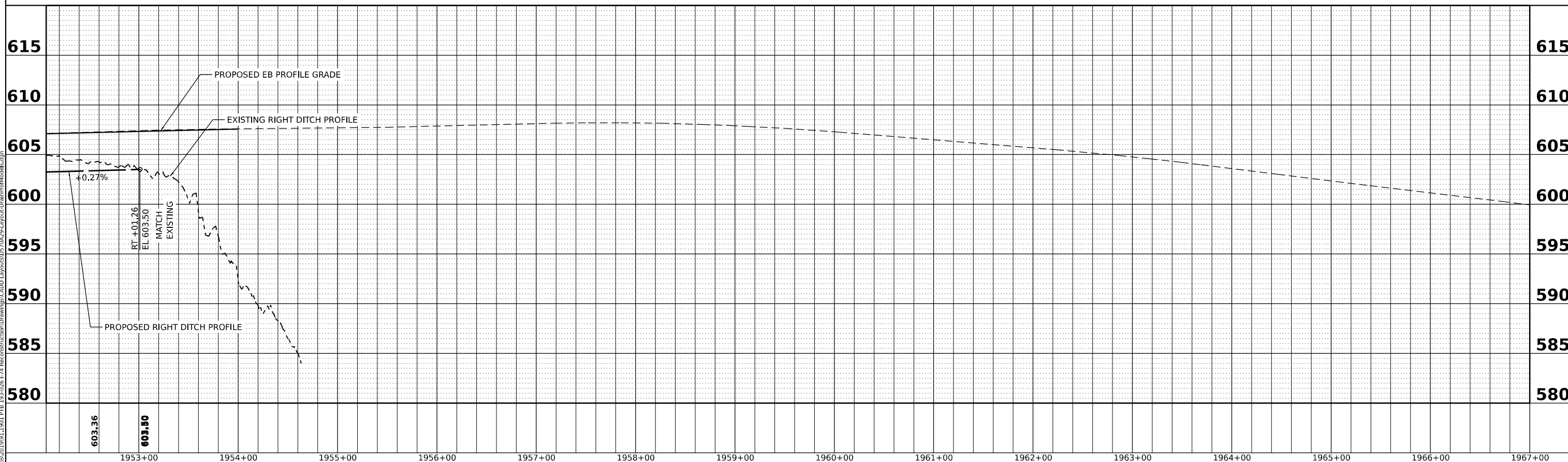
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LEFT DITCH PROFILE



PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	CADD FILE NAME	

RIGHT DITCH PROFILE



PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	

MODEL: PROFILE SHEET 6
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USER NAME = rhrinke	DESIGNED -	REVISED -
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PLOT DATE = 3/23/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
DITCH PROFILES**

SCALE: 1"=50'H / 5'V SHEET 12 OF 12 SHEETS STA. 1952+06.77 TO STA. 1967+06.77

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	242
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

LEGEND

FB FLAT BOTTOM
 SS SIDE SLOPE


S001 STRUCTURE
 ES001 EX STRUCTURE

001 PIPE CULVERT
 E001 EX PIPE OR STORM SEWER

P001 NEW STORM SEWER

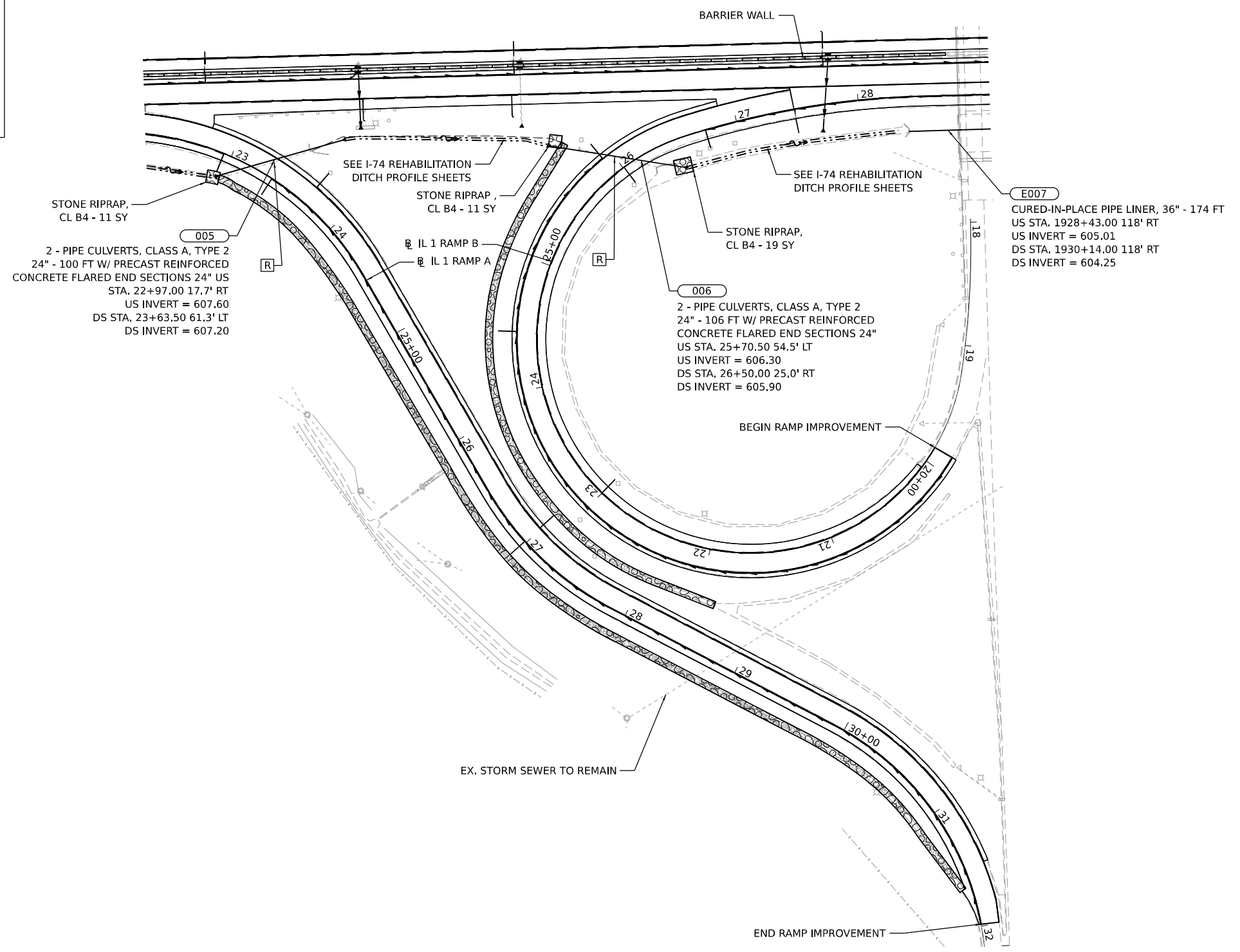
R REMOVAL ITEMS

0 50 100 150
 SCALE IN FEET



NOTE:
 ROCK LAYER ELEVATION SHOWN IN PROFILE IS ESTIMATED TO BE 2.3' FEET BELOW THE I74 EB PROFILE GRADE, ASSUMING THAT ORIGINAL ROCK LAYER WAS REMOVED TO THIS ELEVATION. THIS ELEVATION WAS USED IN ESTIMATED ROCK EXCAVATION QUANTITIES.

WHERE BREAKING PAVED DITCH AND INSTALLING STONE RIPRAP, NO BEDDING OR FILTER FABRIC, INCLUDED IN THE COST OF STONE RIPRAP.



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PLOT SCALE = 0.16666633 1/16 in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
 IL 1 RAMP A AND B DRAINAGE PLAN**

SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. 1682+00.00 TO STA. 1712+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	243
CONTRACT NO. 70A29				
		ILLINOIS	FED. AID PROJECT	

LEGEND

FB FLAT BOTTOM
 SS SIDE SLOPE

S001 STRUCTURE
 ES001 EX STRUCTURE

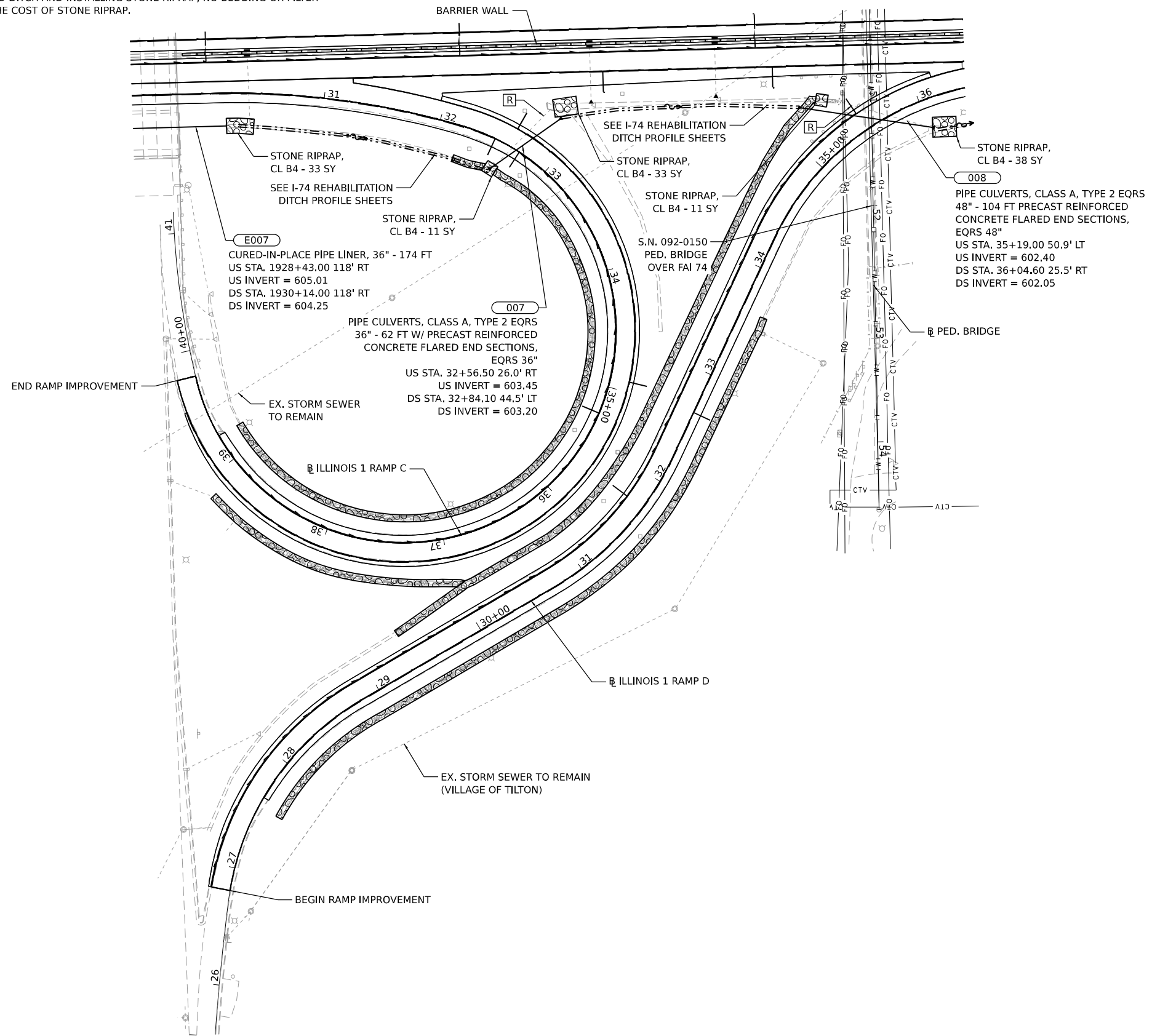
001 PIPE CULVERT
 E001 EX PIPE OR STORM SEWER
 P001 NEW STORM SEWER

R REMOVAL ITEMS

0 50 100 150
 SCALE IN FEET

NOTE:
 ROCK LAYER ELEVATION SHOWN IN PROFILE IS ESTIMATED TO BE 2.3' FEET BELOW THE I74 EB PROFILE GRADE, ASSUMING THAT ORIGINAL ROCK LAYER WAS REMOVED TO THIS ELEVATION. THIS ELEVATION WAS USED IN ESTIMATED ROCK EXCAVATION QUANTITIES.

WHERE BREAKING PAVED DITCH AND INSTALLING STONE RIPRAP, NO BEDDING OR FILTER FABRIC, INCLUDED IN THE COST OF STONE RIPRAP.



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PLOT SCALE = 0.16666633 1/16 in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
 IL 1 RAMP C AND D DRAINAGE PLAN**

SCALE: 11" = 5050'
 SHEET 2 OF 4 SHEETS
 STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	244
CONTRACT NO. 70A29				
ILLINOIS		FED. AID PROJECT		

LEGEND

FB FLAT BOTTOM
 SS SIDE SLOPE

S001 STRUCTURE
 ES001 EX STRUCTURE

001 PIPE CULVERT
 E001 EX PIPE OR STORM SEWER

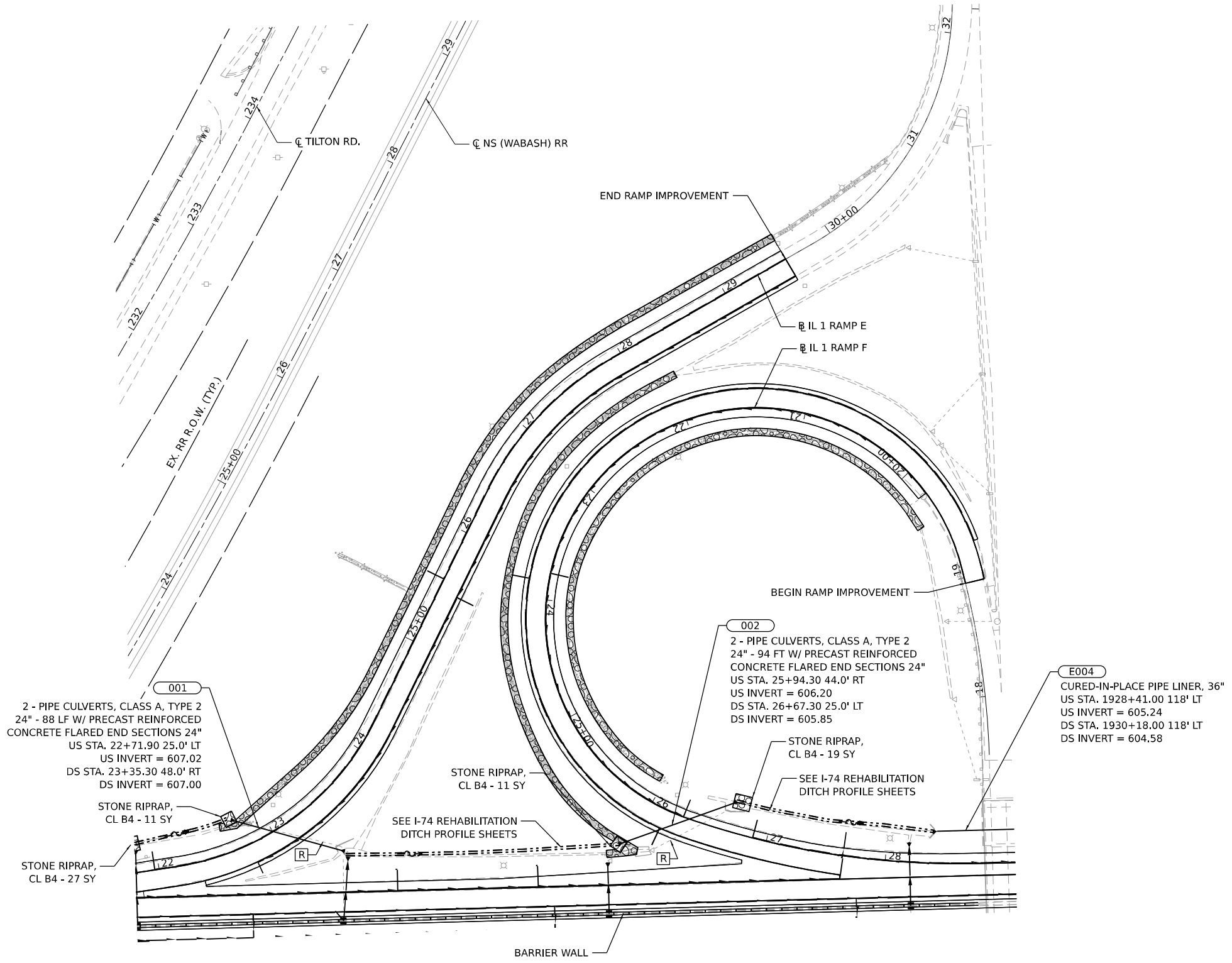
P001 NEW STORM SEWER

R REMOVAL ITEMS

0 50 100 150
 SCALE IN FEET

NOTE:
 ROCK LAYER ELEVATION SHOWN IN PROFILE IS ESTIMATED TO BE 2.3' FEET BELOW THE I74 EB
 PROFILE GRADE, ASSUMING THAT ORIGINAL ROCK LAYER WAS REMOVED TO THIS ELEVATION.
 THIS ELEVATION WAS USED IN ESTIMATED ROCK EXCAVATION QUANTITIES.

WHERE BREAKING PAVED DITCH AND INSTALLING STONE RIPRAP, NO BEDDING OR FILTER
 FABRIC, INCLUDED IN THE COST OF STONE RIPRAP.



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USER NAME	= rtheinke
PLOT SCALE	= 0.16666633 1/16 in.
PLOT DATE	= 3/24/2022

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
 IL 1 RAMP E AND F DRAINAGE PLAN**

SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	245
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

LEGEND

FB FLAT BOTTOM
 SS SIDE SLOPE

S001 STRUCTURE
 ES001 EX STRUCTURE

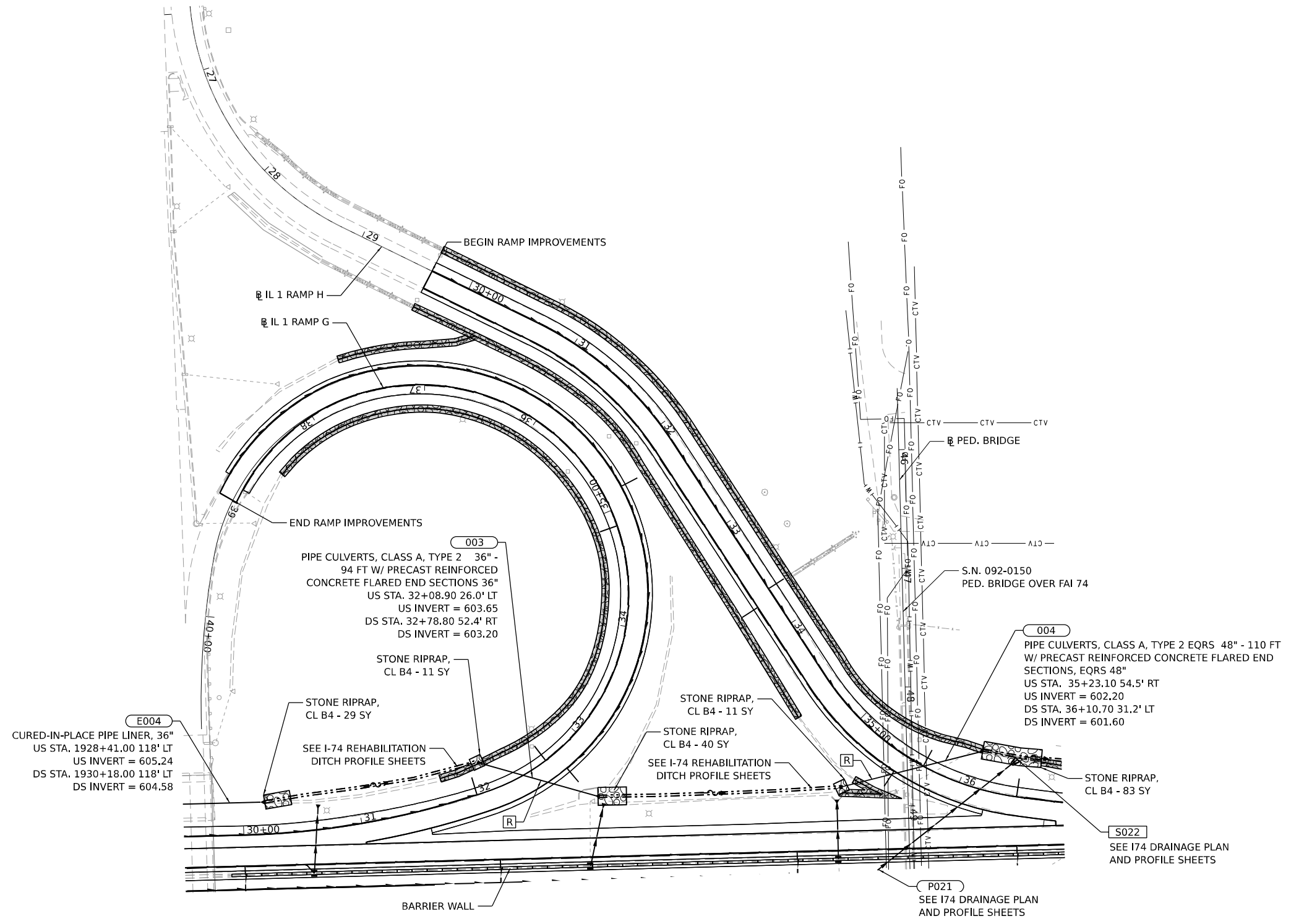
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 E001 EX PIPE OR STORM SEWER
 P001 NEW STORM SEWER

R REMOVAL ITEMS

0 50 100 150
 SCALE IN FEET

NOTE:
 ROCK LAYER ELEVATION SHOWN IN PROFILE IS ESTIMATED TO BE 2.3' FEET BELOW THE I74 EB PROFILE GRADE, ASSUMING THAT ORIGINAL ROCK LAYER WAS REMOVED TO THIS ELEVATION. THIS ELEVATION WAS USED IN ESTIMATED ROCK EXCAVATION QUANTITIES.

WHERE BREAKING PAVED DITCH AND INSTALLING STONE RIPRAP, NO BEDDING OR FILTER FABRIC, INCLUDED IN THE COST OF STONE RIPRAP.



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PLOT SCALE = 0.16666633 1/16 in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2022	CHECKED -	REVISED -
	DATE -	REVISED -

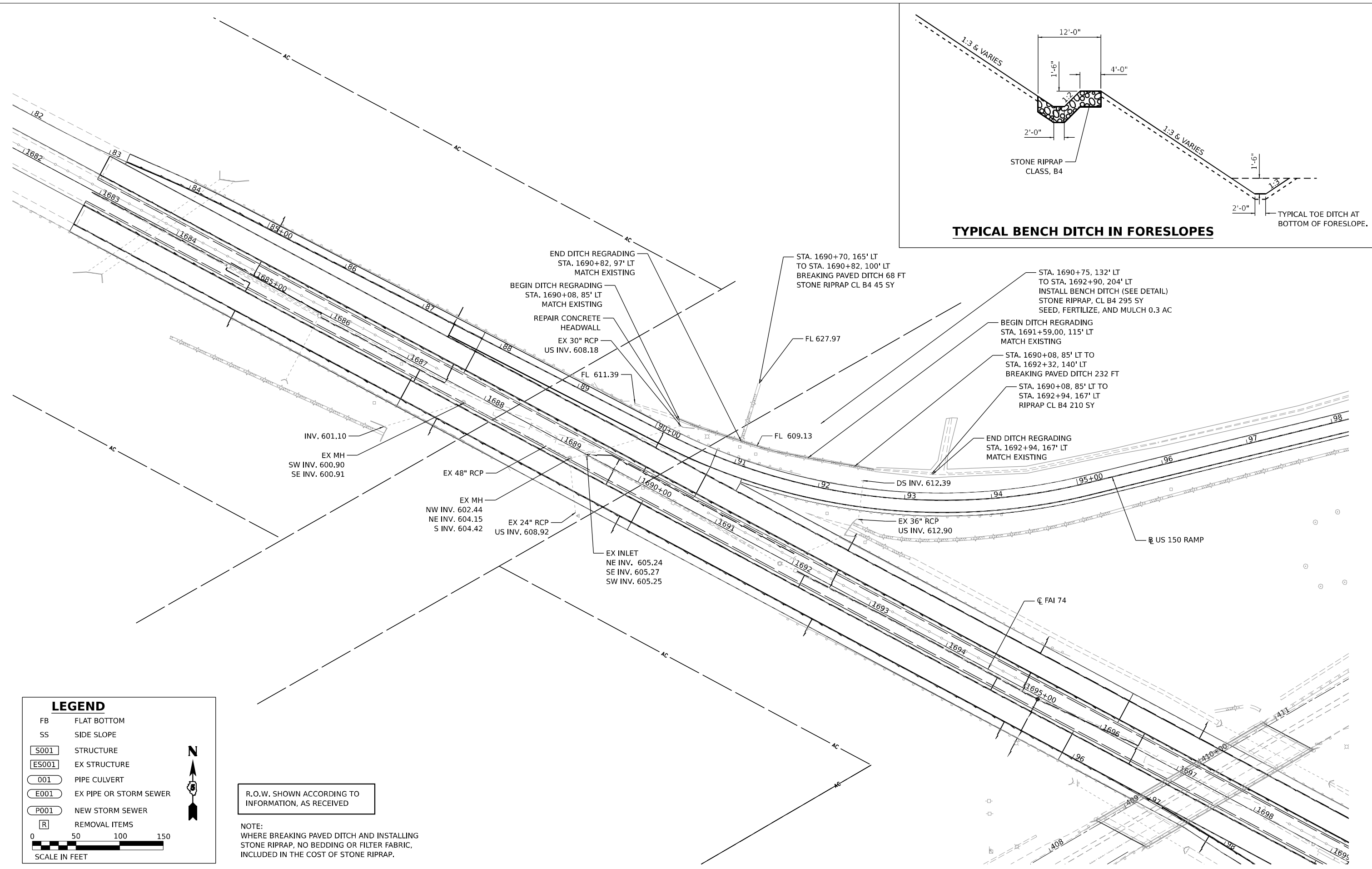
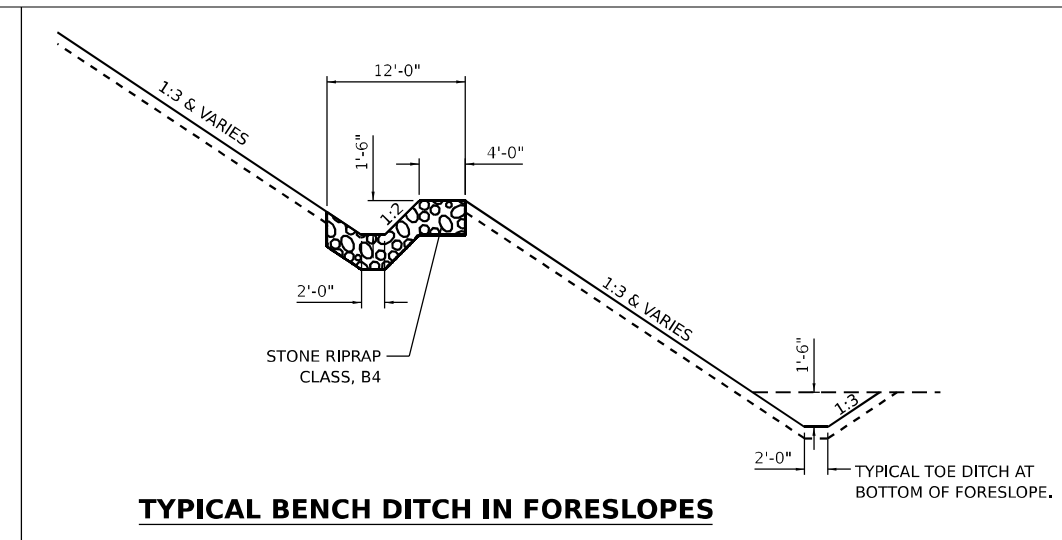
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
 IL 1 RAMP G AND H DRAINAGE PLAN**

SCALE: 1" = 50'

SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	246
CONTRACT NO. 70A29				
		ILLINOIS	FED. AID PROJECT	



LEGEND

- FB FLAT BOTTOM
- SS SIDE SLOPE
- S001 STRUCTURE
- E5001 EX STRUCTURE
- 001 PIPE CULVERT
- E001 EX PIPE OR STORM SEWER
- P001 NEW STORM SEWER
- R REMOVAL ITEMS

0 50 100 150
SCALE IN FEET

N
↑
S

R.O.W. SHOWN ACCORDING TO INFORMATION, AS RECEIVED

NOTE:
WHERE BREAKING PAVED DITCH AND INSTALLING STONE RIPRAP, NO BEDDING OR FILTER FABRIC, INCLUDED IN THE COST OF STONE RIPRAP.

MODEL: Unintitled Sheet
FILE NAME: I:\p132\2026 174 Reconstruction\Drawings\CAD_Sheets\DS70A29-SubDrainArea 1.dgn

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USER NAME = rheinke
DESIGNED -
DRAWN -
PLOT SCALE = 0.16666633 1/16 in.
CHECKED -
PLOT DATE = 3/23/2022
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

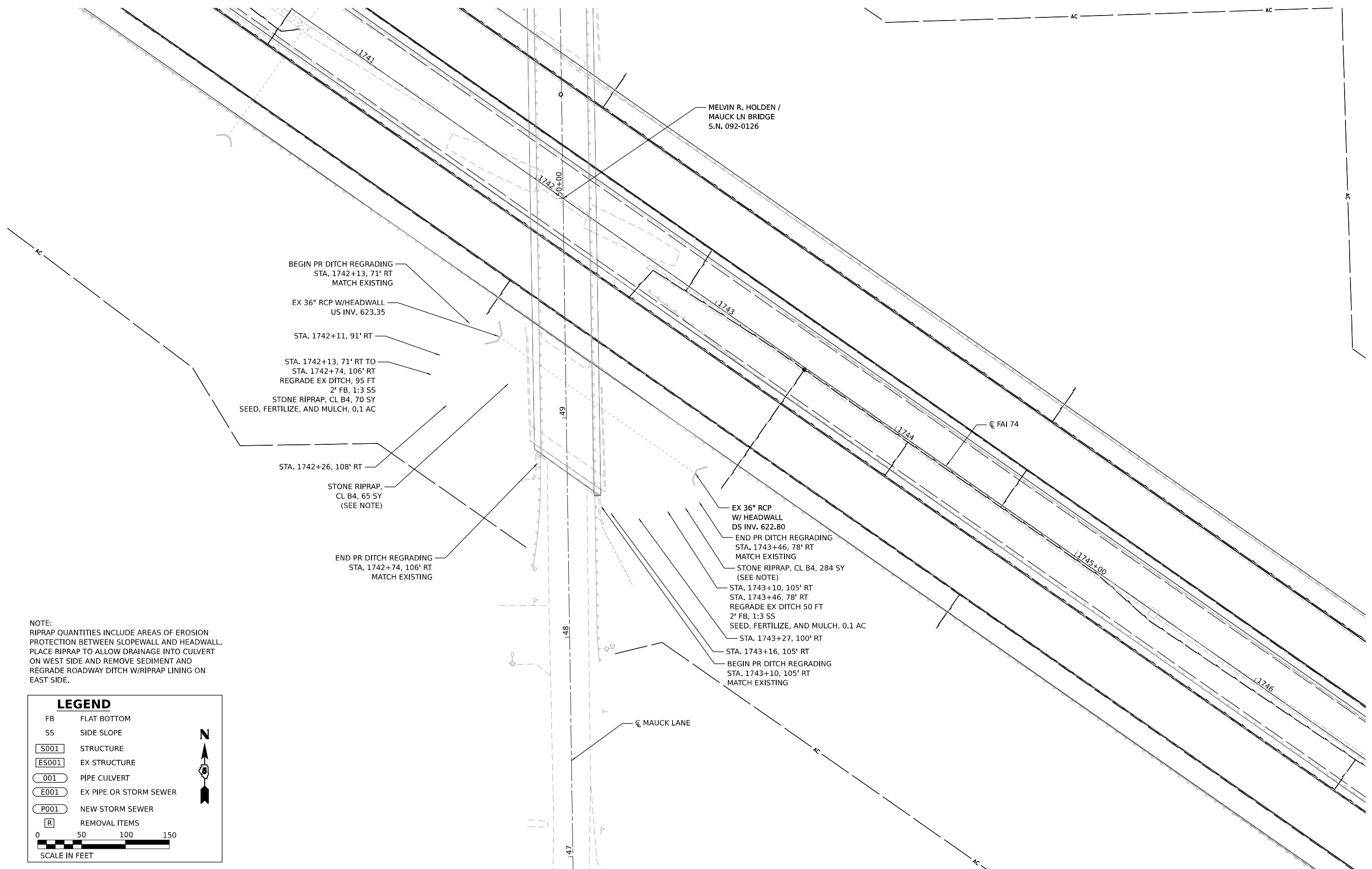
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
DRAINAGE PLAN STA. 1690+50 LT.**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	247
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

MODEL: Unintitled.dwg
 FILE NAME: I:\p02\2019\91.1901.PTB 19-2026 I-74 Reconstruction\Drawings\CAD_Sheets\DS70A29-SubDrainArea 3.dgn



BEGIN PR DITCH REGRADING
 STA. 1742+13, 71' RT
 MATCH EXISTING

 EX 36" RCP W/HEADWALL
 US INV. 623.35

 STA. 1742+11, 91' RT

 STA. 1742+13, 71' RT TO
 STA. 1742+74, 106' RT
 REGRADE EX DITCH, 95 FT
 2' FB, 1:3 SS
 STONE RIPRAP, CL B4, 70 SY
 SEED, FERTILIZE, AND MULCH, 0.1 AC

 STA. 1742+26, 108' RT

 STONE RIPRAP,
 CL B4, 65 SY
 (SEE NOTE)

 END PR DITCH REGRADING
 STA. 1742+74, 106' RT
 MATCH EXISTING

EX 36" RCP
 W/ HEADWALL
 DS INV. 622.80
 END PR DITCH REGRADING
 STA. 1743+46, 78' RT
 MATCH EXISTING
 STONE RIPRAP, CL B4, 284 SY
 (SEE NOTE)
 STA. 1743+10, 105' RT
 STA. 1743+46, 78' RT
 REGRADE EX DITCH 50 FT
 2' FB, 1:3 SS
 SEED, FERTILIZE, AND MULCH, 0.1 AC
 STA. 1743+27, 100' RT
 STA. 1743+16, 105' RT
 BEGIN PR DITCH REGRADING
 STA. 1743+10, 105' RT
 MATCH EXISTING

NOTE:
 RIPRAP QUANTITIES INCLUDE AREAS OF EROSION
 PROTECTION BETWEEN SLOPEWALL AND HEADWALL.
 PLACE RIPRAP TO ALLOW DRAINAGE INTO CULVERT
 ON WEST SIDE AND REMOVE SEDIMENT AND
 REGRADE ROADWAY DITCH W/RIPRAP LINING ON
 EAST SIDE.

LEGEND

FB	FLAT BOTTOM
SS	SIDE SLOPE
S001	STRUCTURE
ES001	EX STRUCTURE
001	PIPE CULVERT
E001	EX PIPE OR STORM SEWER
P001	NEW STORM SEWER
R	REMOVAL ITEMS

SCALE IN FEET

Prairie Engineers, P.C.
 404 N. Main Street
 Columbia, IL 62236
 (217) 605-0403
 www.prairieengineers.com
Professional design firm no. 1644005965
 Copyright Prairie Engineers of Illinois, P.C., 2018

USER NAME = rtheinke
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 PLOT SCALE = 0.16666633 1/ in.
 PLOT DATE = 3/23/2022

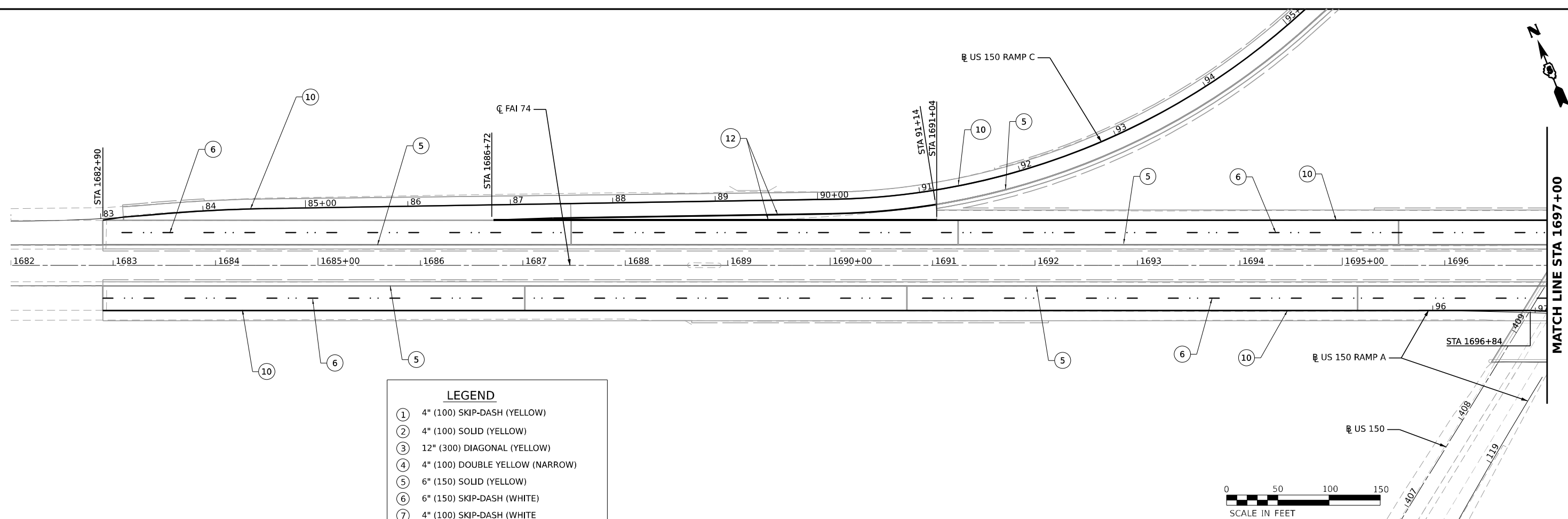
DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSTATE 74 REHABILITATION
 DRAINAGE PLAN STA. 1742+13 RT TO STA. 1743+70 RT**

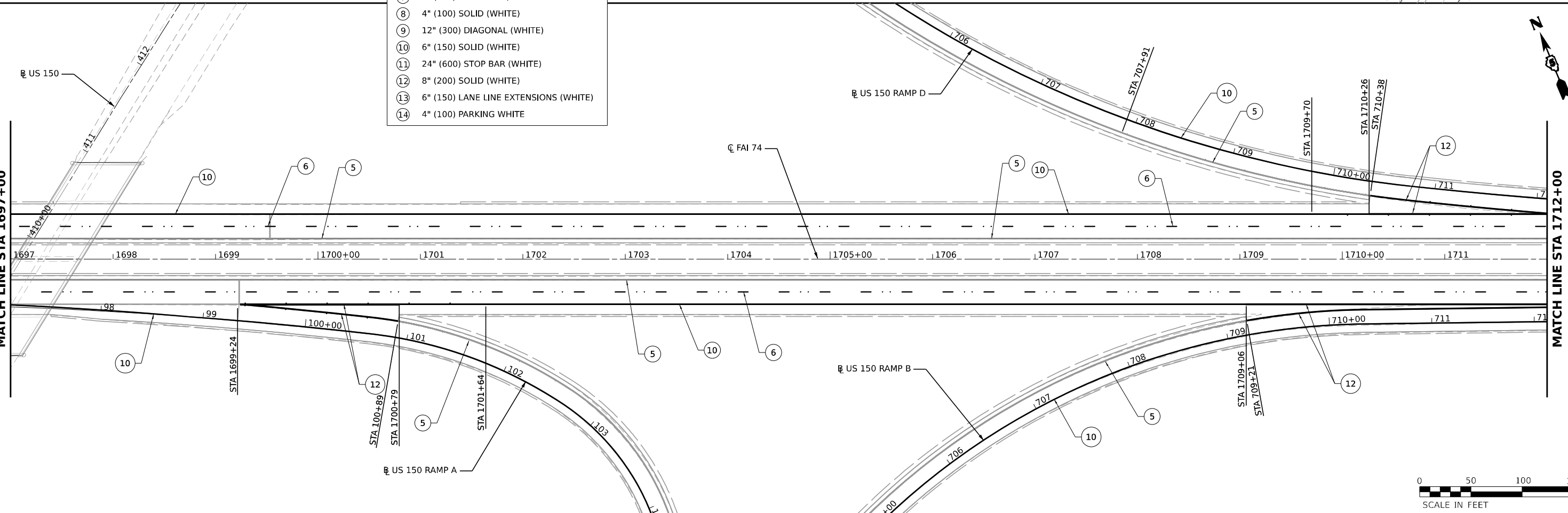
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	248
CONTRACT NO. 70A29				
		ILLINOIS	FED. AID PROJECT	



LEGEND

- ① 4" (100) SKIP-DASH (YELLOW)
- ② 4" (100) SOLID (YELLOW)
- ③ 12" (300) DIAGONAL (YELLOW)
- ④ 4" (100) DOUBLE YELLOW (NARROW)
- ⑤ 6" (150) SOLID (YELLOW)
- ⑥ 6" (150) SKIP-DASH (WHITE)
- ⑦ 4" (100) SKIP-DASH (WHITE)
- ⑧ 4" (100) SOLID (WHITE)
- ⑨ 12" (300) DIAGONAL (WHITE)
- ⑩ 6" (150) SOLID (WHITE)
- ⑪ 24" (600) STOP BAR (WHITE)
- ⑫ 8" (200) SOLID (WHITE)
- ⑬ 6" (150) LANE LINE EXTENSIONS (WHITE)
- ⑭ 4" (100) PARKING WHITE



MODEL: I-74 PKG Sheet 20 (Sheet)
 FILE NAME: X:\ProductionFiles\301919\19-0032\CADD\Drawings\I-74\0032\CADD\Drawings\I-74\0032\I-74 PKG.dgn

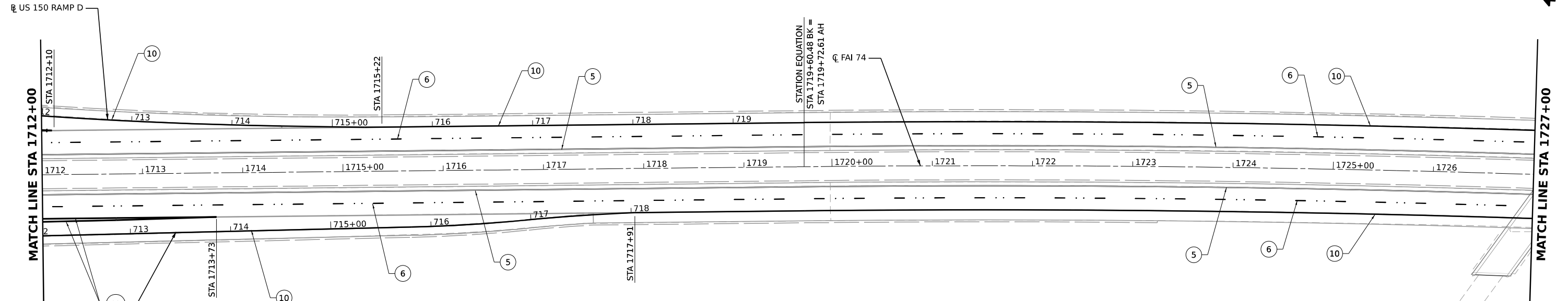
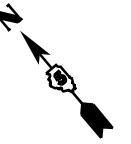


USER NAME = Jennifer	DESIGNED - AGL	REVISED -
DRAWN - LEC	REVISED -	
PLOT SCALE = 0.16666633 1/16"	CHECKED - JLS	REVISED -
PLOT DATE = 3/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

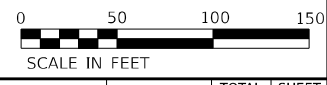
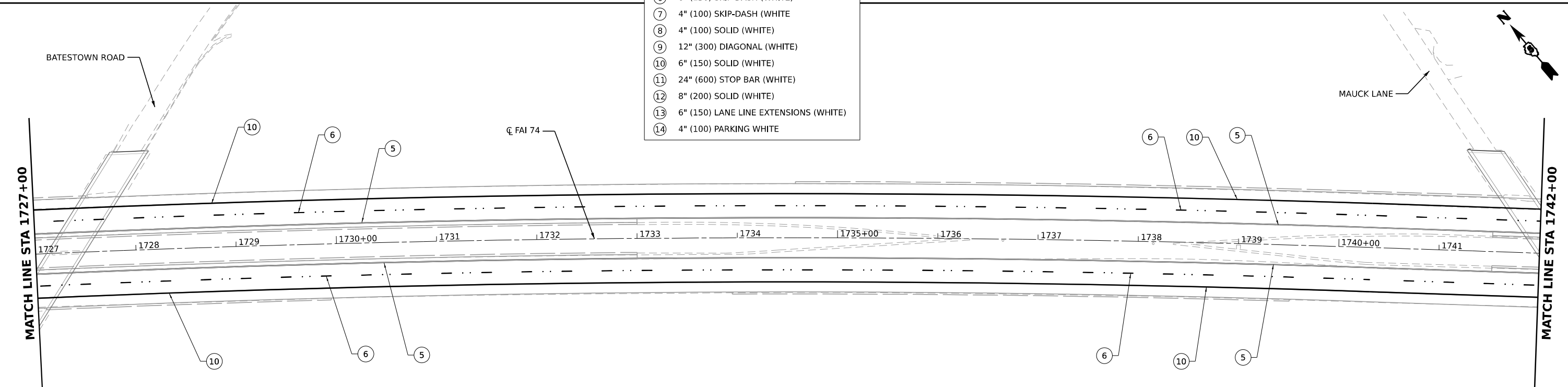
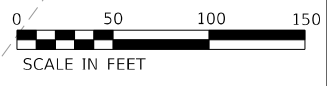
PAVEMENT MARKING PLAN SHEETS			
I-74 DANVILLE			
SCALE: 1" = 50'	SHEET 1	OF 17 SHEETS	STA. 1682+00.00 TO STA. 1712+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	249
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: I-74 PKG Sheet 21 (Sheet)
 FILE NAME: X:\projects\0119\19-0032\CADD\Phase_II\CADD_Sheets\05702925-10-11-2020\I-74 PKG.dgn

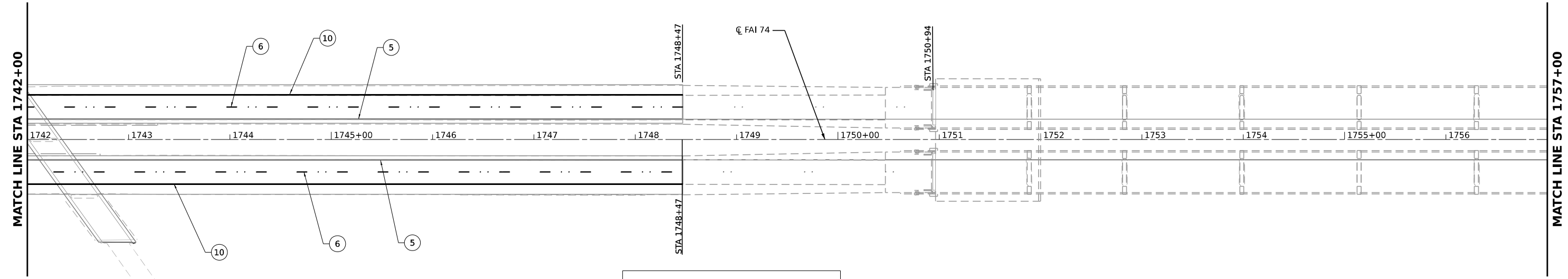


USER NAME = Jennifer	DESIGNED - AGL	REVISED -
DRAWN - LEC	REVISED -	
PLOT SCALE = 0.16666633 1/ in.	CHECKED - JLS	REVISED -
PLOT DATE = 3/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

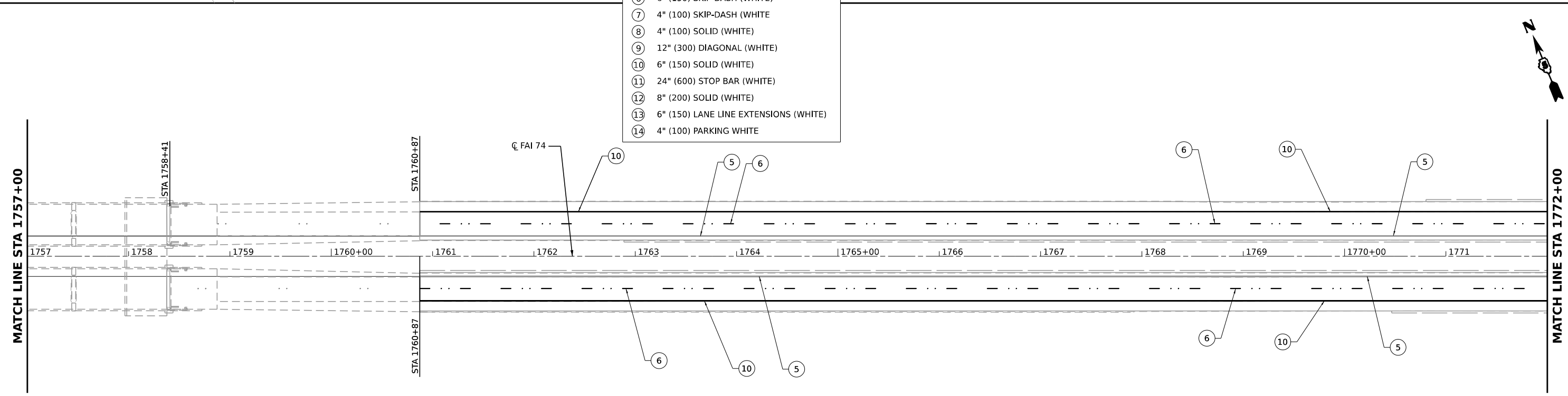
PAVEMENT MARKING PLAN SHEETS			
I-74 DANVILLE			
SCALE: 1" = 50'	SHEET 2	OF 17 SHEETS	STA. 1712+00.00 TO STA. 1742+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	250
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: I-74 PKG Sheet
 FILE NAME: X:\ProductionFiles\2019\19-0032\CADD\Phase II\CADD_Sheets\05702925-19-PMK.dgn

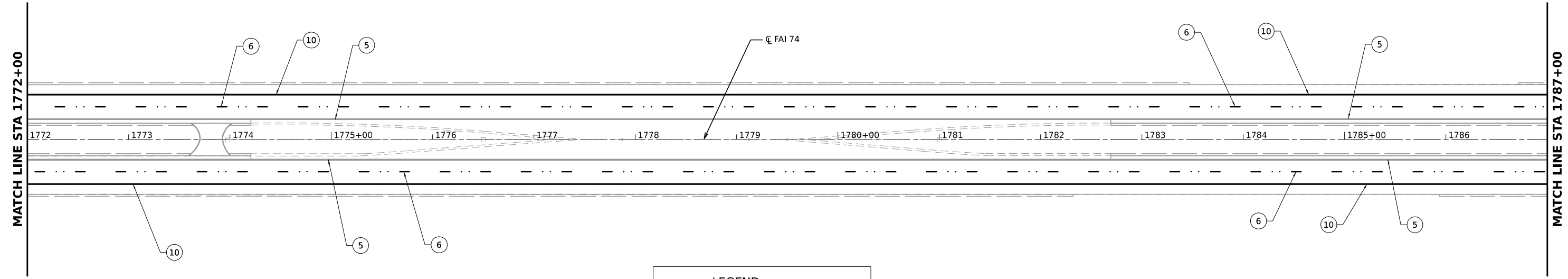
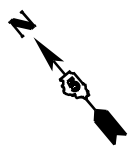


USER NAME = Jennifer	DESIGNED - AGL	REVISED -
DRAWN - LEC	REVISOR -	
PLOT SCALE = 0.16666633 1/ in.	CHECKED - JLS	REVISOR -
PLOT DATE = 3/17/2022	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

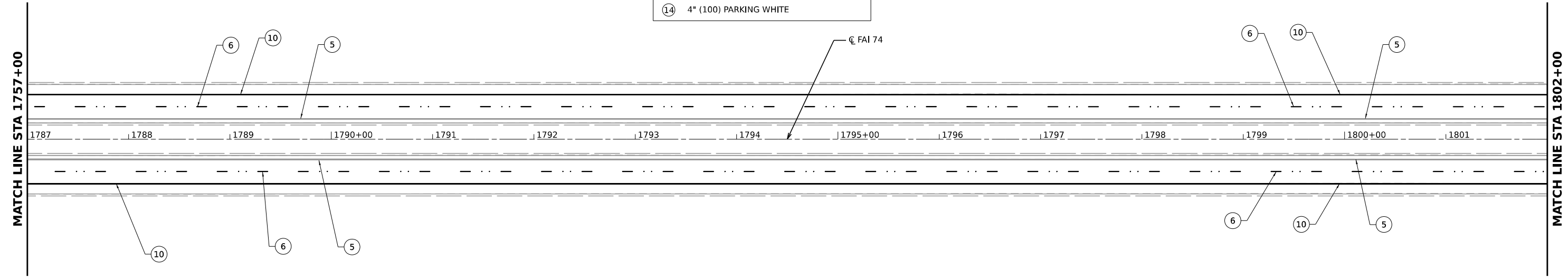
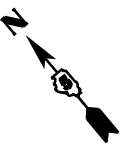
PAVEMENT MARKING PLAN SHEETS			
I-74 DANVILLE			
SCALE: 1" = 50'	SHEET 3	OF 17 SHEETS	STA. 1742+00.00 TO STA. 1772+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	251
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: I-74 PKG Sheets 4
 FILE NAME: X:\ProductionFiles\2019\19-0032\CADD\Phase II\CADD Sheets\05702925-19-PMK.dgn

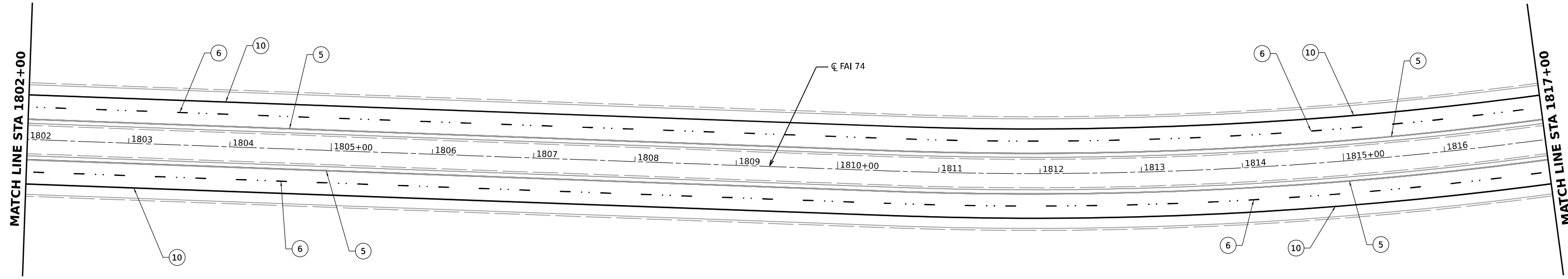
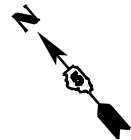


USER NAME = Jennifer	DESIGNED - AGL	REVISED -
DRAWN - LEC	REVISOR -	
PLOT SCALE = 0.16666633 1/ in.	CHECKED - JLS	REVISOR -
PLOT DATE = 3/17/2022	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

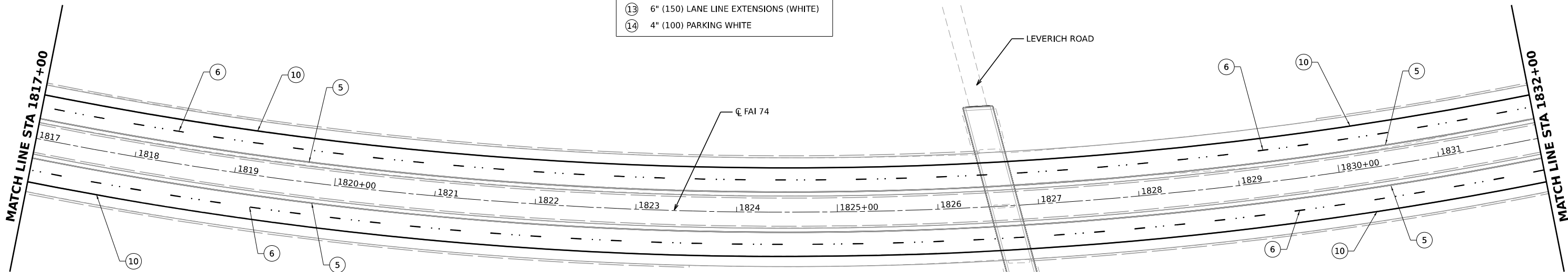
PAVEMENT MARKING PLAN SHEETS			
I-74 DANVILLE			
SCALE: 1" = 50'	SHEET 4	OF 17 SHEETS	STA. 1772+00.00 TO STA. 1802+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	252
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: I-74 PKG Sheet 2
 FILE NAME: X:\ProductionFiles\2019\19-0032\CADD\Phase II\CADD_Sheets\05702925-h-pmk.dgn

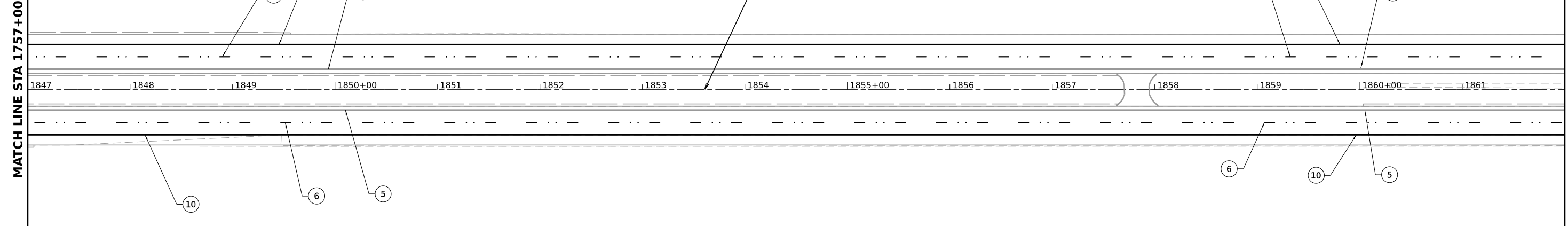
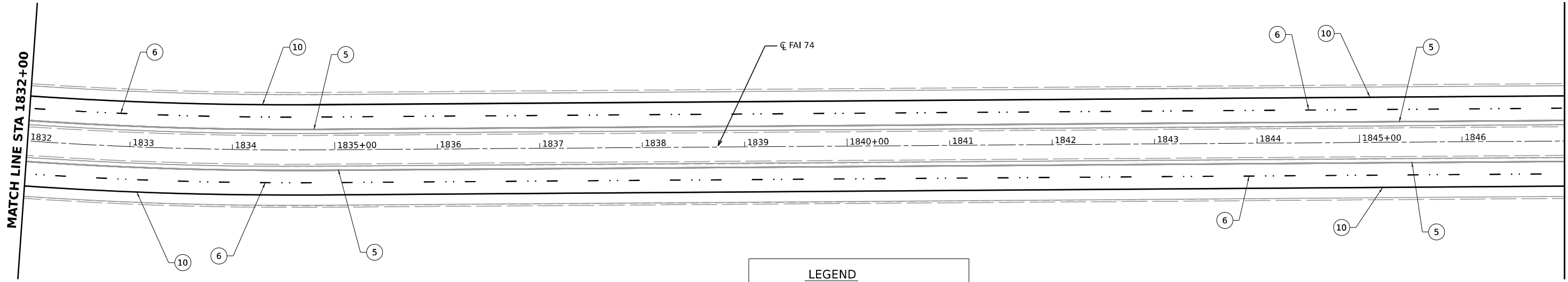


USER NAME = Jennifer	DESIGNED - AGL	REVISED -
DRAWN - LEC	REVISED -	
PLOT SCALE = 0.16666633 1/ in.	CHECKED - JLS	REVISED -
PLOT DATE = 3/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

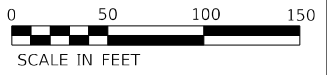
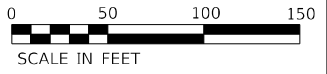
PAVEMENT MARKING PLAN SHEETS			
I-74 DANVILLE			
SCALE: 1" = 50'	SHEET 5	OF 17 SHEETS	STA. 1802+00.00 TO STA. 1832+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	253
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: I:\14_PMK_Sheets3
 FILE NAME: X:\ProductionFiles\2019\19-0032\CADD\Phase_II\CADD_Sheets\052022\14-PMK.dgn

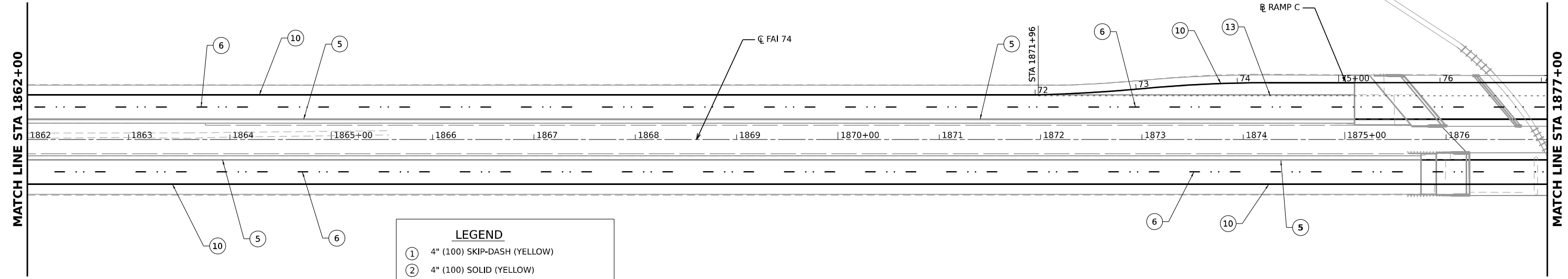


USER NAME = Jennifer	DESIGNED - AGL	REVISED -
DRAWN - LEC	REVISIONS -	
PLOT SCALE = 0.16666633 1/ in.	CHECKED - JLS	REVISED -
PLOT DATE = 3/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

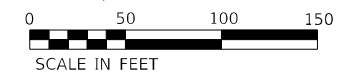
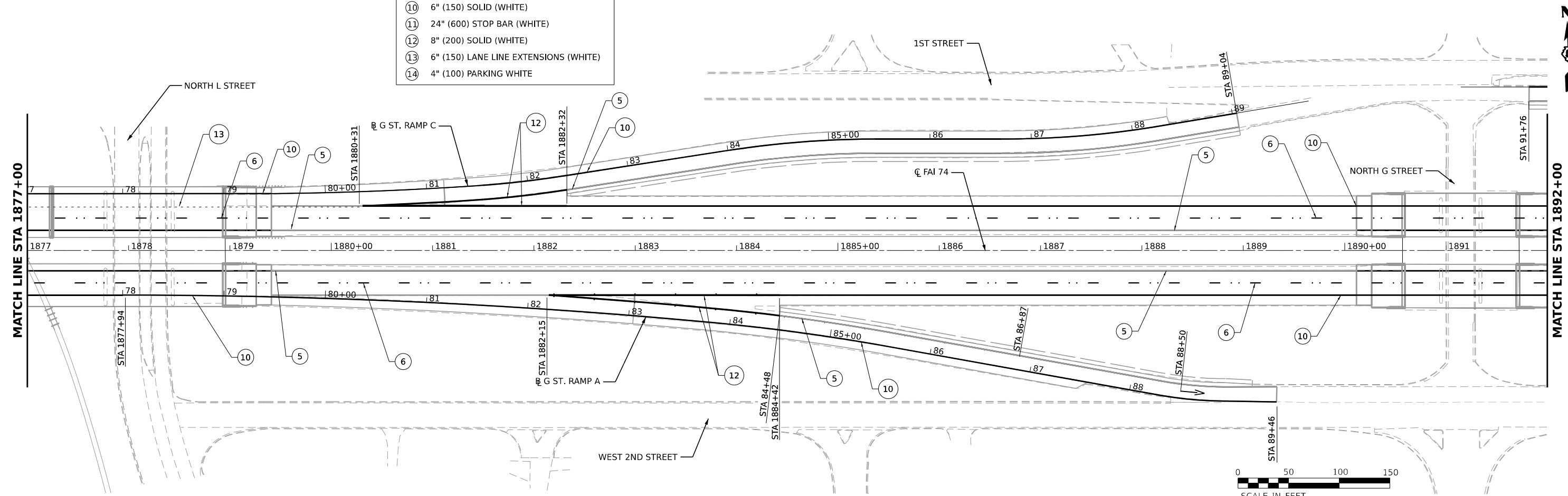
PAVEMENT MARKING PLAN SHEETS			
I-74 DANVILLE			
SCALE: 1" = 50'	SHEET 6	OF 17 SHEETS	STA. 1832+00.00 TO STA. 1862+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	254
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: L34 PKG Sheet 4
 FILE NAME: X:\Production\Files\2019\19-0032\CADD\Phase II\CADD_Sheets\05702625-PL-PK.dgn



USER NAME = Jennifer
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 PLOT DATE = 3/17/2022

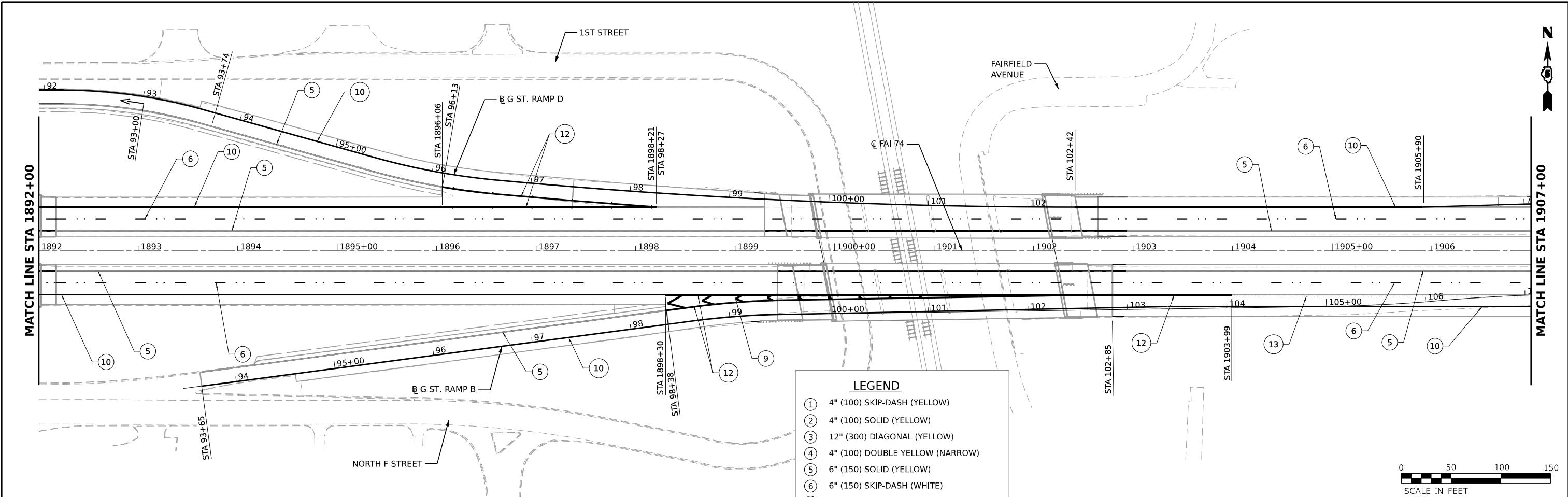
DESIGNED - AGL
 DRAWN - LEC
 CHECKED - JLS
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

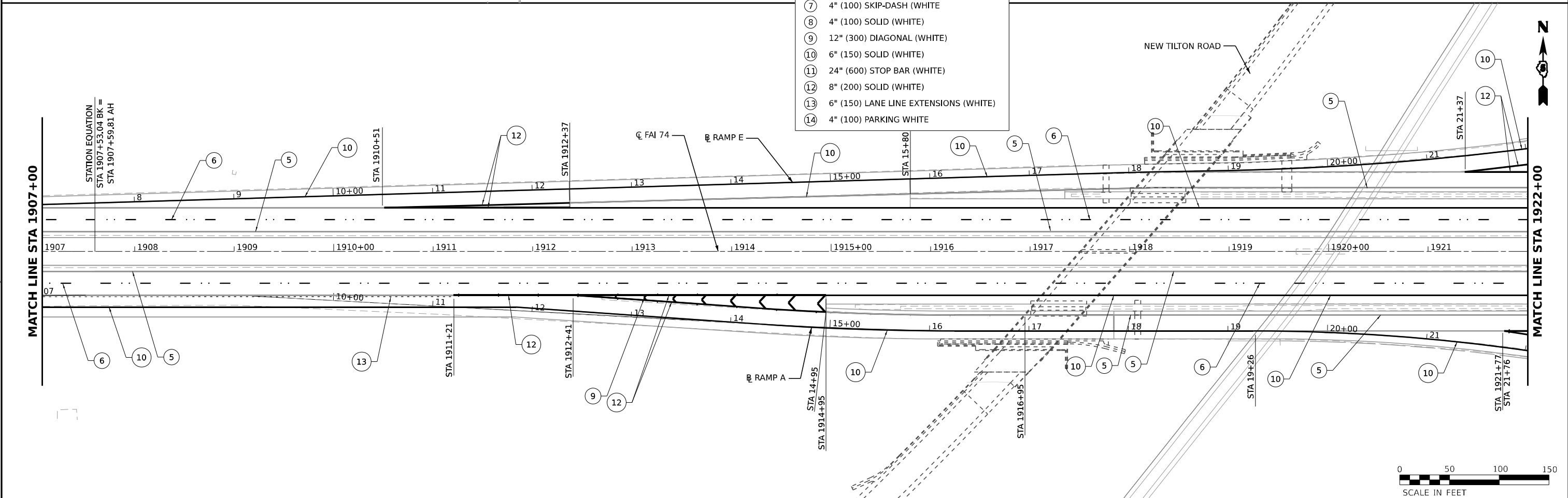
PAVEMENT MARKING PLAN SHEETS
I-74 DANVILLE
 SCALE: 1" = 50' SHEET 7 OF 17 SHEETS STA. 1862+00.00 TO STA. 1892+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	255
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① 4" (100) SKIP-DASH (YELLOW)
- ② 4" (100) SOLID (YELLOW)
- ③ 12" (300) DIAGONAL (YELLOW)
- ④ 4" (100) DOUBLE YELLOW (NARROW)
- ⑤ 6" (150) SOLID (YELLOW)
- ⑥ 6" (150) SKIP-DASH (WHITE)
- ⑦ 4" (100) SKIP-DASH (WHITE)
- ⑧ 4" (100) SOLID (WHITE)
- ⑨ 12" (300) DIAGONAL (WHITE)
- ⑩ 6" (150) SOLID (WHITE)
- ⑪ 24" (600) STOP BAR (WHITE)
- ⑫ 8" (200) SOLID (WHITE)
- ⑬ 6" (150) LANE LINE EXTENSIONS (WHITE)
- ⑭ 4" (100) PARKING WHITE



MODEL: I:\14_PMK_Sheets5
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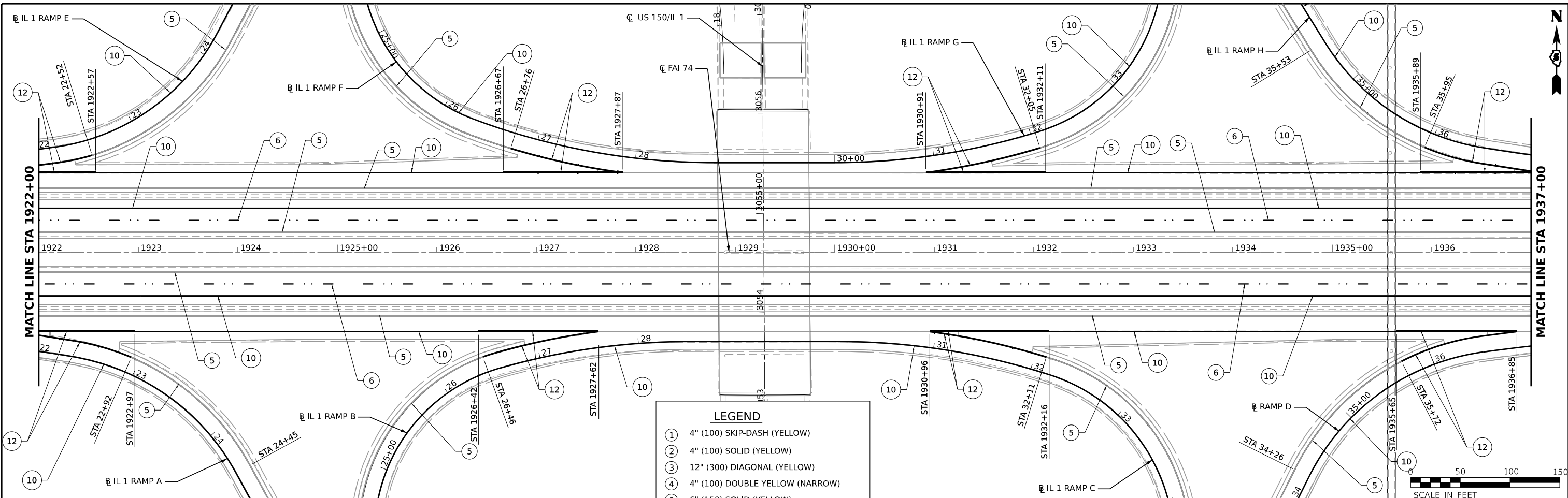


USER NAME = Jennifer	DESIGNED - AGL	REVISED -
PLOT SCALE = 0.16666633 1/16"	DRAWN - LEC	REVISED -
PLOT DATE = 3/17/2022	CHECKED - JLS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

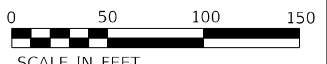
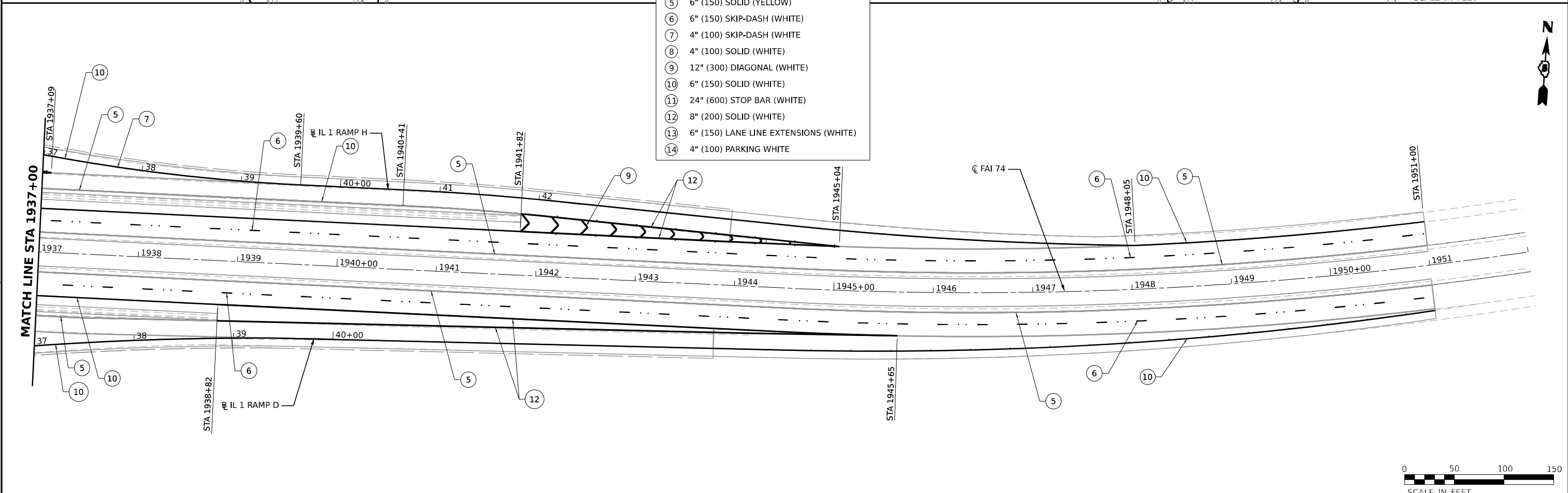
PAVEMENT MARKING PLAN SHEETS			
I-74 DANVILLE			
SCALE: 1" = 50'	SHEET 8	OF 17 SHEETS	STA. 1892+00.00 TO STA. 1922+00.00

F.A.I. RTE. 74	SECTION (92-10.11,12)R	COUNTY VERMILION	TOTAL SHEETS 698	SHEET NO. 256
CONTRACT NO. 70A29			ILLINOIS FED. AID PROJECT	



LEGEND

1	4" (100) SKIP-DASH (YELLOW)
2	4" (100) SOLID (YELLOW)
3	12" (300) DIAGONAL (YELLOW)
4	4" (100) DOUBLE YELLOW (NARROW)
5	6" (150) SOLID (YELLOW)
6	6" (150) SKIP-DASH (WHITE)
7	4" (100) SKIP-DASH (WHITE)
8	4" (100) SOLID (WHITE)
9	12" (300) DIAGONAL (WHITE)
10	6" (150) SOLID (WHITE)
11	24" (600) STOP BAR (WHITE)
12	8" (200) SOLID (WHITE)
13	6" (150) LANE LINE EXTENSIONS (WHITE)
14	4" (100) PARKING WHITE



MODEL: I-74 PKG Sheet 36 (Sheet)
 FILE NAME: X:\ProductionFiles\2019\19-0032\CADD\Phase II\CADD_Sheets\05702625-hp-rmk.dgn



USER NAME = Jennifer
 PLOT SCALE = 0.16666633 1/16"
 PLOT DATE = 3/17/2022

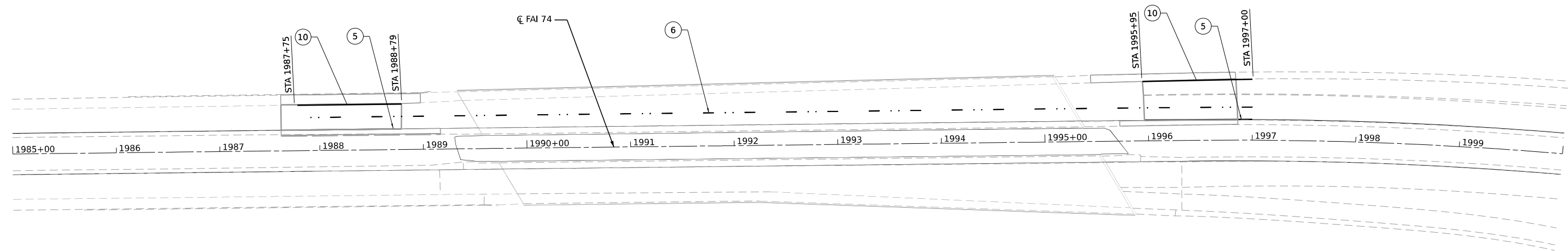
DESIGNED - AGL
 DRAWN - LEC
 CHECKED - JLS
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

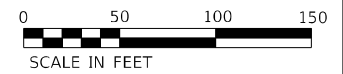
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN SHEETS
I-74 DANVILLE
 SCALE: 1" = 50' SHEET 9 OF 17 SHEETS STA. 1922+00.00 TO STA. 1952+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	257
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND	
①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: I-74 PKG Sheet 30 (Sheet)
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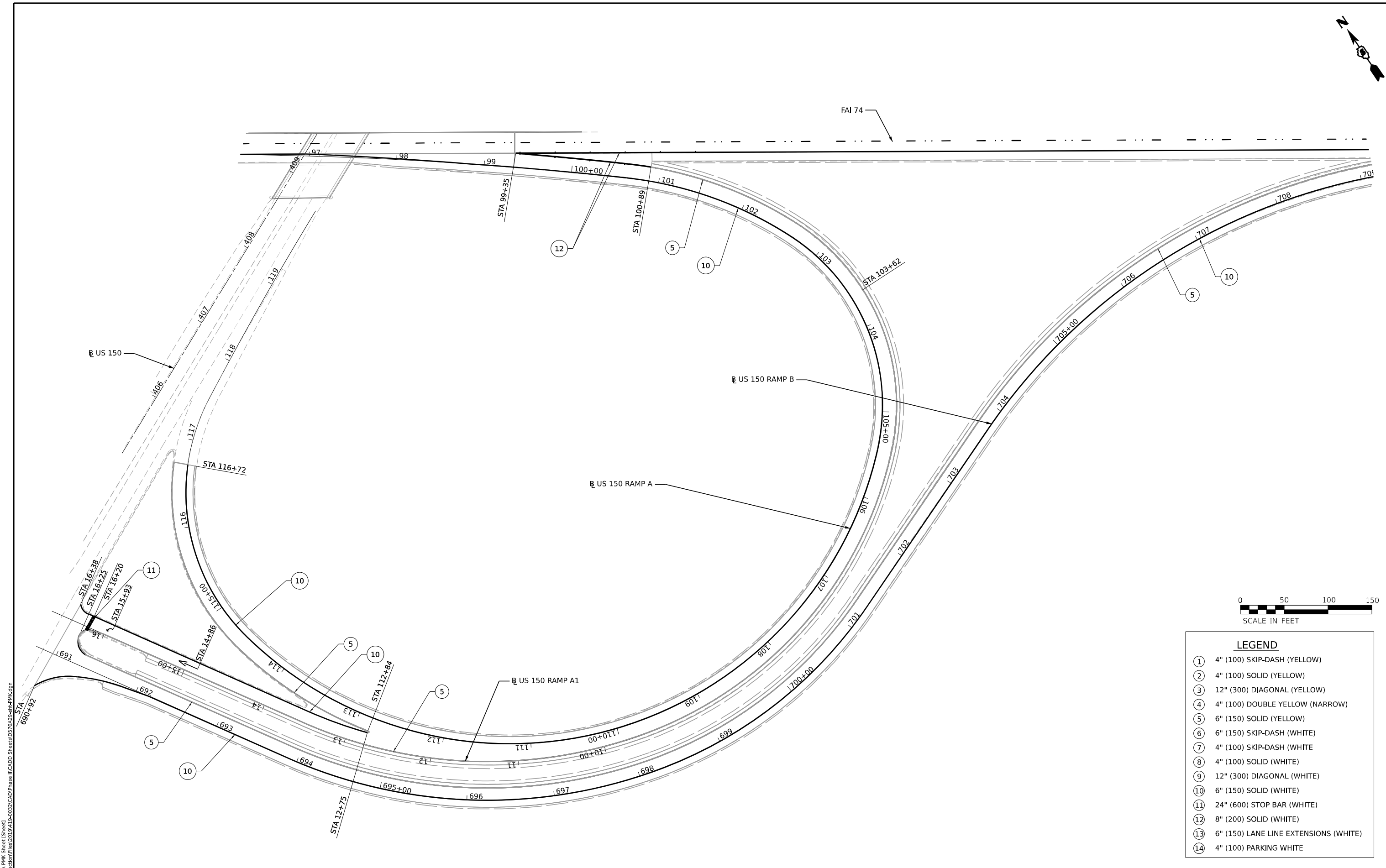
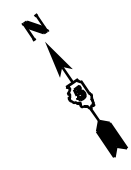


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DRAWN - LEC	REVISOR -	
PLOT SCALE = 0.16666633 1/ in.	CHECKED - JLS	REVISOR -
PLOT DATE = 3/17/2022	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN SHEETS
I-74 DANVILLE
 SCALE: 1" = 50' SHEET 10 OF 17 SHEETS STA. 1985+00.00 TO STA. 2000+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	258
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND	
①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE

MODEL: 150 Ramp A, B, and A1 (Sheet 11) (11/17/2022)
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USER NAME = Jennifer
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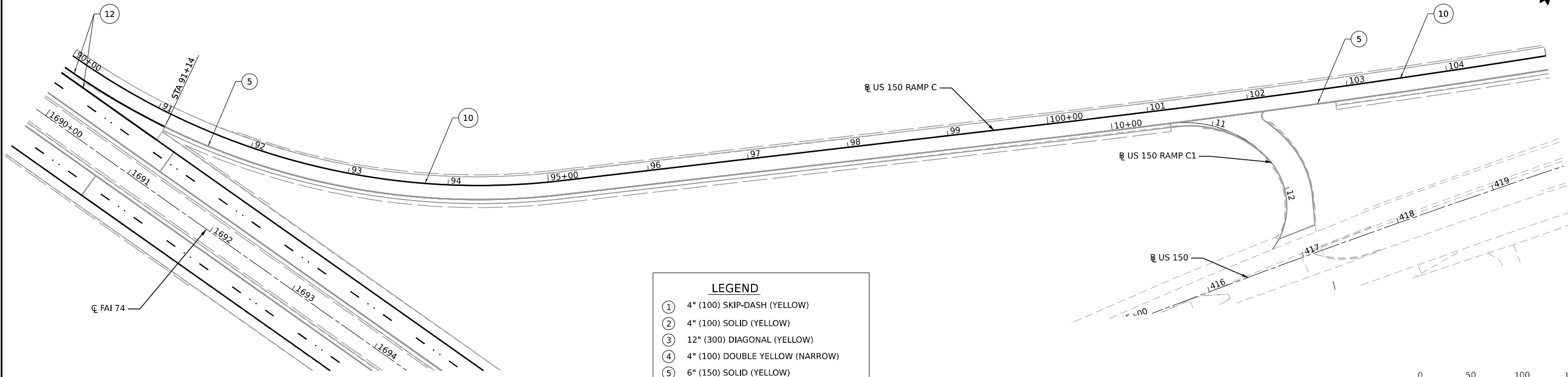
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN SHEETS
 IL 150 RAMP A, A1, AND B**

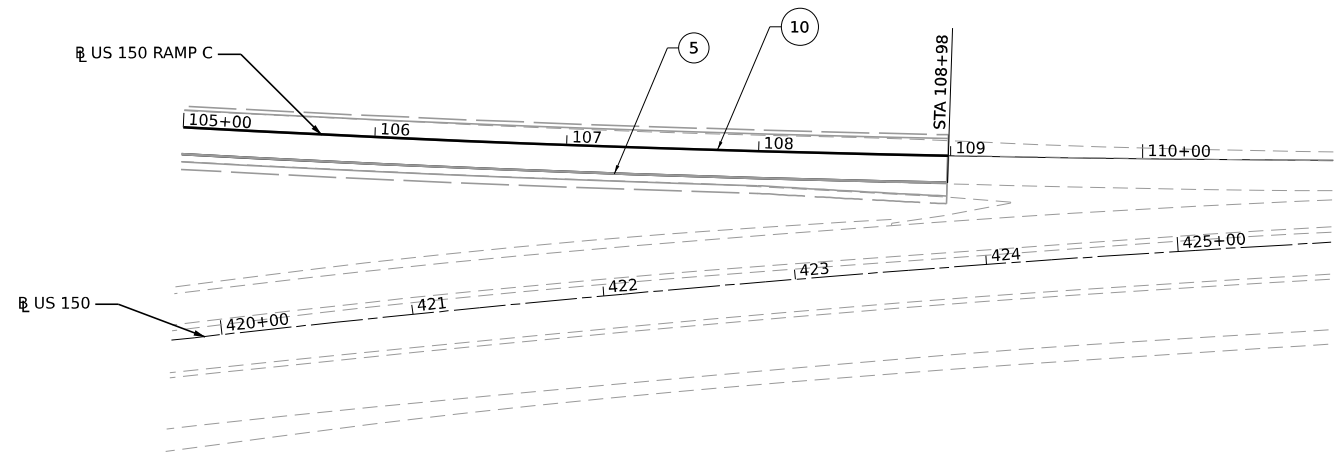
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	259
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: I150 Ramp C PKM (Sheet 12).sheet1
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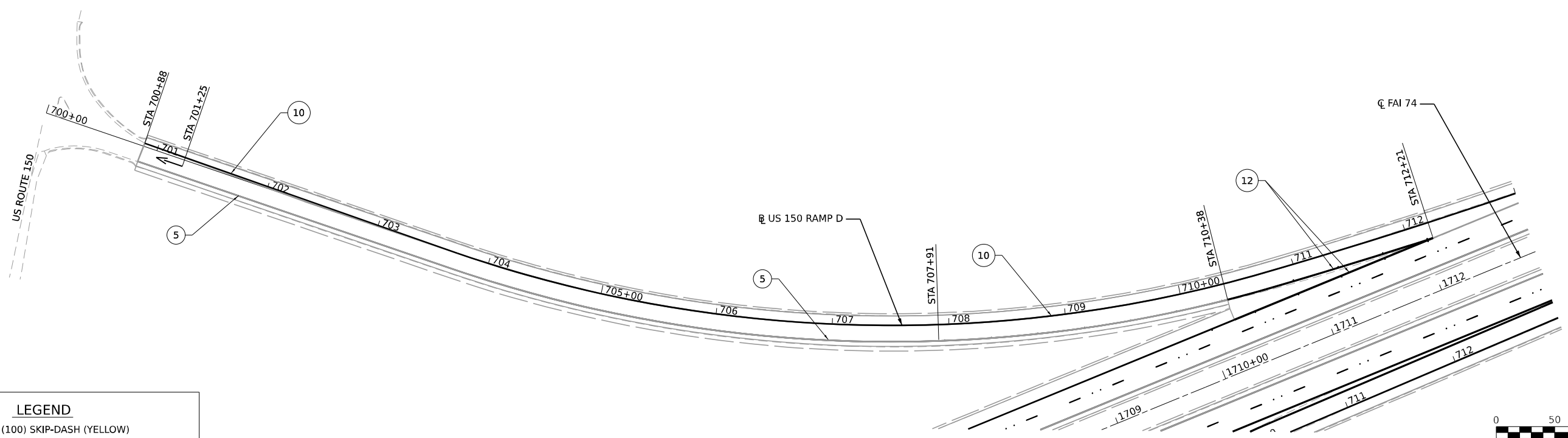
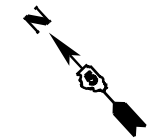


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DRAWN - LEC	REVISIONS -	
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PLOT DATE = 3/17/2022	DATE -	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN SHEETS			
IL 150 RAMP C AND C1			
SCALE: 1" = 50'	SHEET 12	OF 17 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	260
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: 150 Ramp D PKM (Sheet 13) 13.dwg
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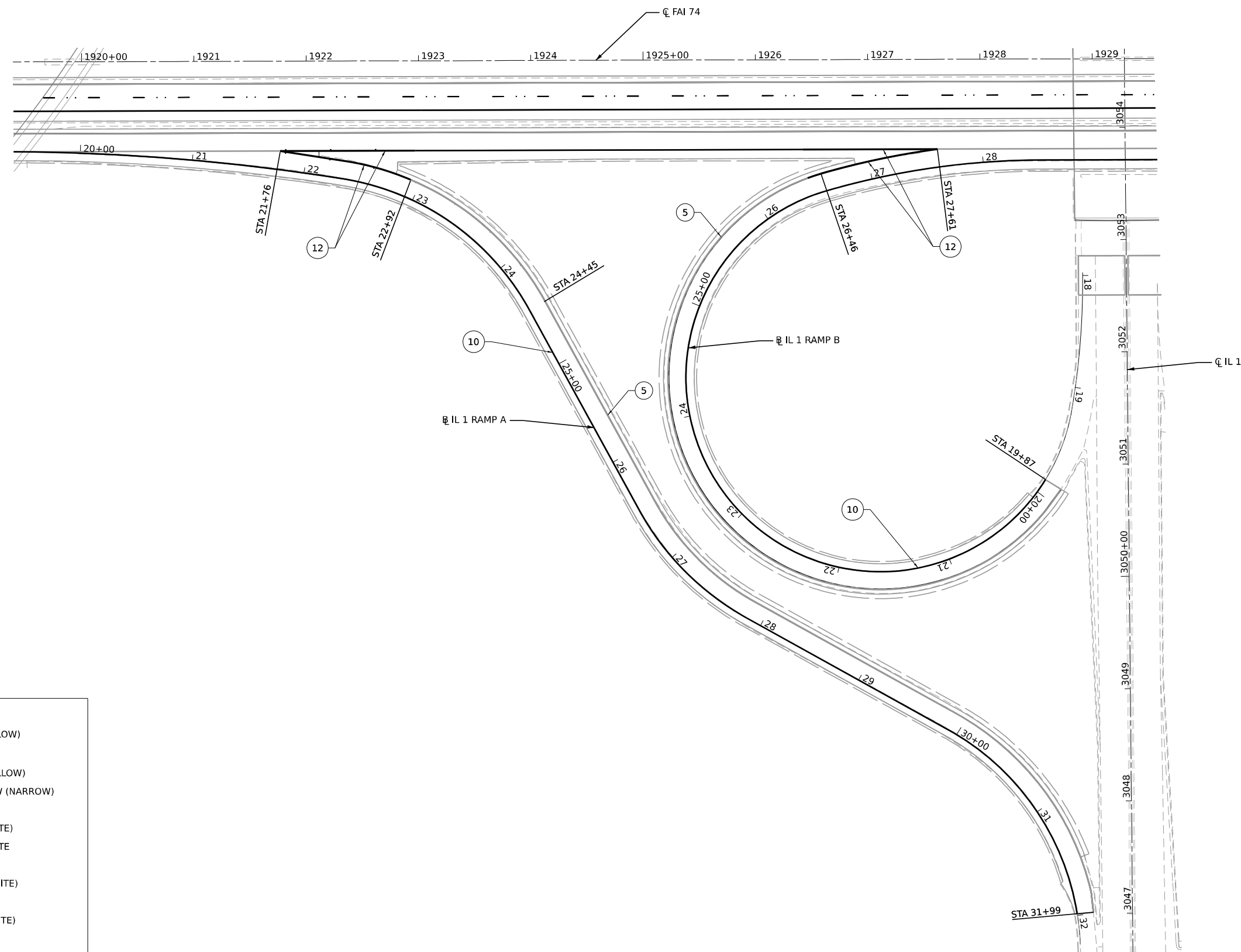
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PLOT DATE = 3/17/2022	CHECKED - JLS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN SHEETS
IL 150 RAMP D

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	261
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET 13 OF 17 SHEETS STA. TO STA.



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE



MODEL: IL 1 Ramp A PKG Sheet (15x41)
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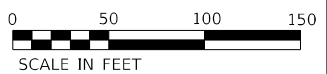
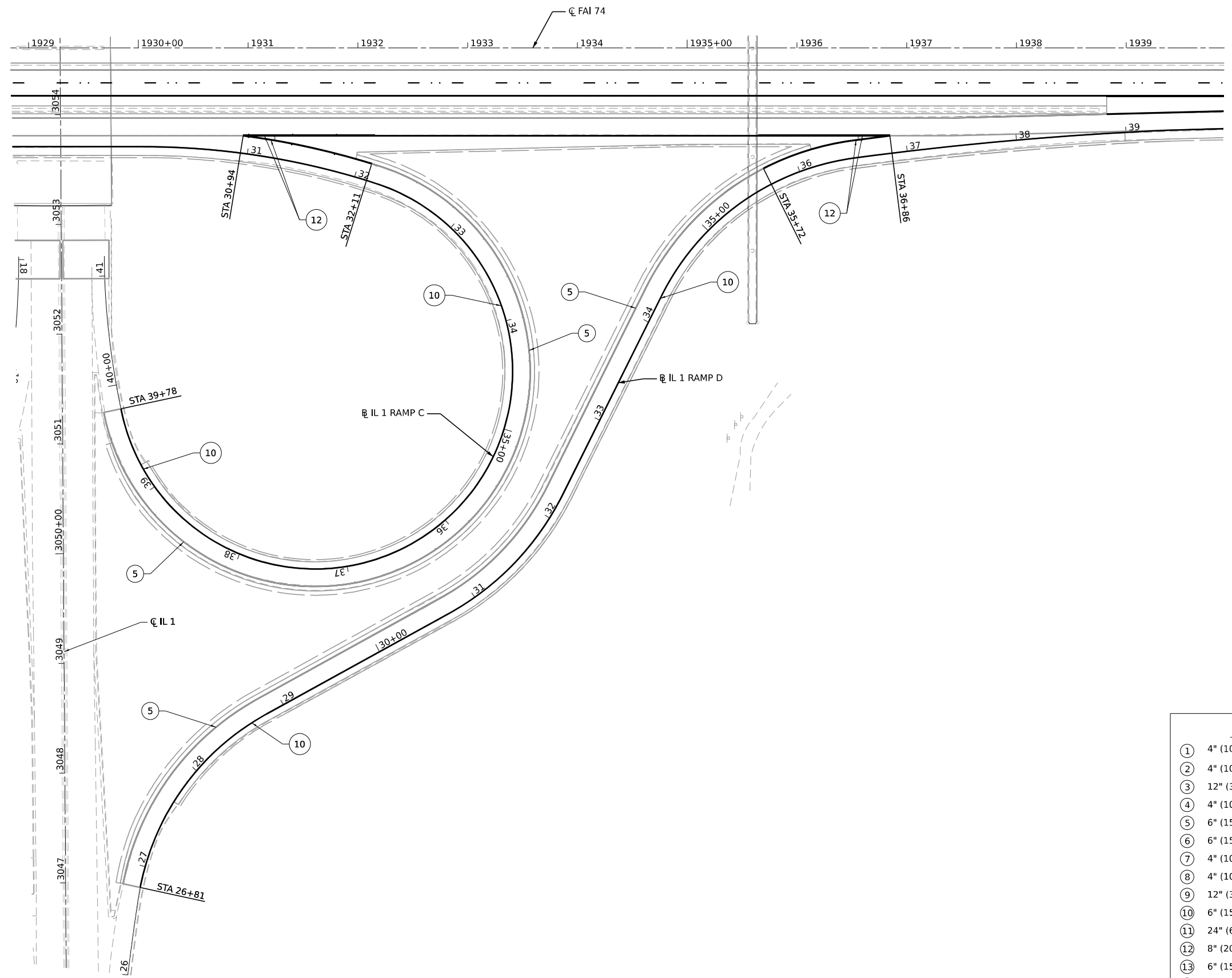
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN SHEETS
IL 1 RAMP A AND B

SCALE: 1" = 50' SHEET 14 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	262
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND	
①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE

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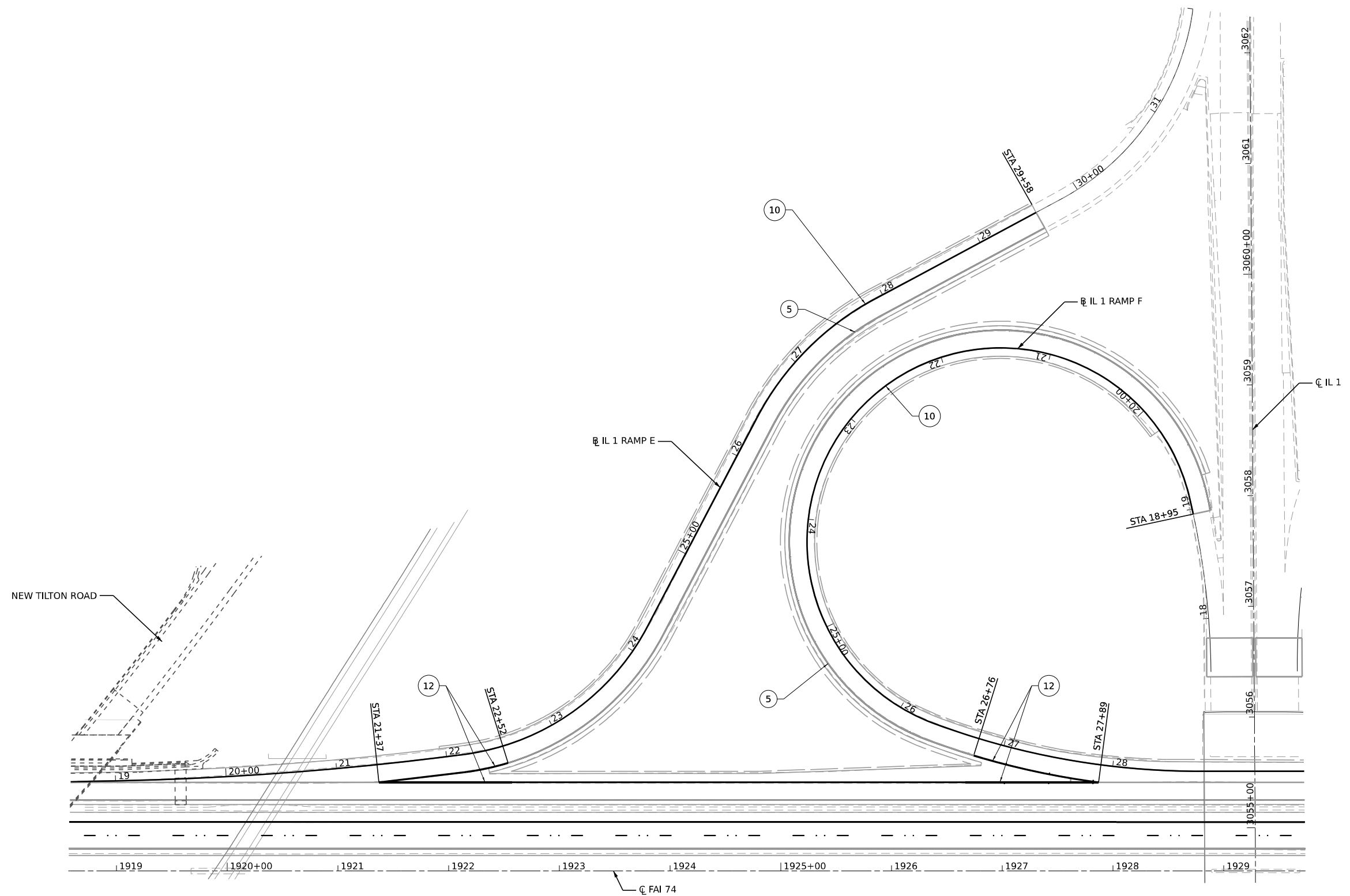
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PLOT DATE = 3/17/2022	CHECKED - JLS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN SHEETS
IL 1 RAMP C AND D

SCALE: 1" = 50' SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	263
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE

MODEL: IL 1 Ramp E, PKM Sheet (15x44)
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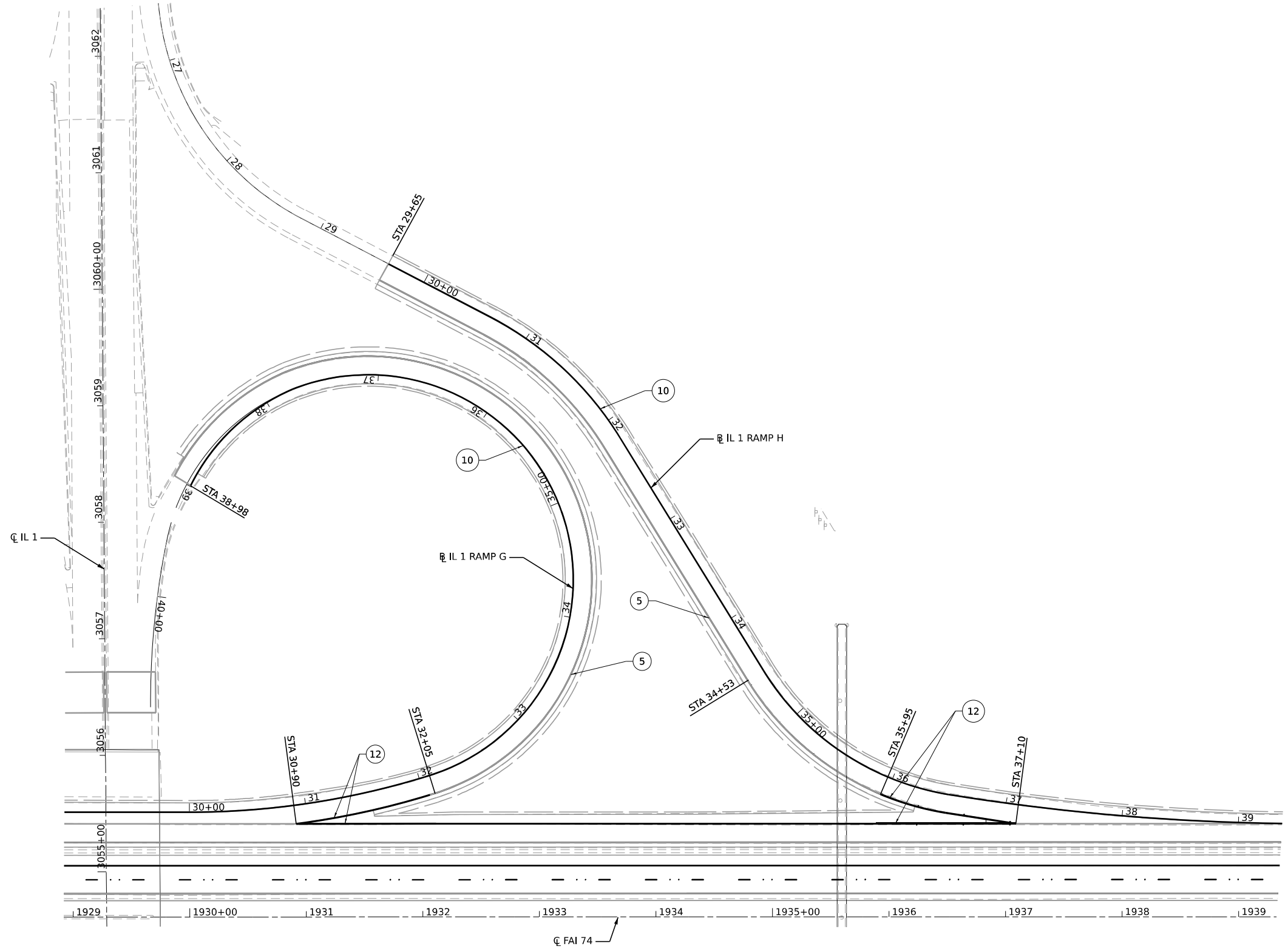
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DRAWN	- LEC
CHECKED	- JLS
DATE	-

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REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN SHEETS			
IL 1 RAMP E AND F			
SCALE: 1" = 50'	SHEET 16	OF 17 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	264
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND	
①	4" (100) SKIP-DASH (YELLOW)
②	4" (100) SOLID (YELLOW)
③	12" (300) DIAGONAL (YELLOW)
④	4" (100) DOUBLE YELLOW (NARROW)
⑤	6" (150) SOLID (YELLOW)
⑥	6" (150) SKIP-DASH (WHITE)
⑦	4" (100) SKIP-DASH (WHITE)
⑧	4" (100) SOLID (WHITE)
⑨	12" (300) DIAGONAL (WHITE)
⑩	6" (150) SOLID (WHITE)
⑪	24" (600) STOP BAR (WHITE)
⑫	8" (200) SOLID (WHITE)
⑬	6" (150) LANE LINE EXTENSIONS (WHITE)
⑭	4" (100) PARKING WHITE

MODEL: IL 1 Ramp G PKM (Sheet 15) sheet1
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USER NAME = Jennifer	DESIGNED - AGL	REVISED -
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PLOT DATE = 3/17/2022	CHECKED - JLS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN SHEETS
IL 1 RAMP G AND H


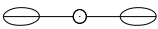











F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	265
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET 17 OF 17 SHEETS STA. TO STA.



GENERAL LIGHTING NOTES

- NUMBER POLES ACCORDING TO ARTICLE 1069.06 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARDS 830006-05 & 830021-03 USING STAINLESS STEEL BANDING. THIS SHALL BE INCLUDED IN THE COST OF THE LUMINAIRE. CONTACT KEVIN COOK AT (217) 299-0976 FOR THE NUMBERING SCHEME OF THE POLE ID NUMBERS.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE APPLICABLE UNDERGROUND CONDUIT OR UNIT DUCT PAY ITEM.
- PROPOSED LIGHT POLES OR RELOCATED LIGHT POLES TO BE INSTALLED AT A 15 FEET SETBACK FROM THE EDGE OF TRAVELED PAVEMENT. 5 FEET BEHIND THE GUARDRAIL OR 2 FEET BEHIND SIDEWALK OR PATH UNLESS NOTED OTHERWISE ON THE PLANS. NO POLES TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE INCREASED IF NECESSARY AS DIRECTED BY THE ENGINEER.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHTTIME OPERATION WITHOUT APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LIGHTING SYSTEM UNTIL IDOT HAS TAKEN ACCEPTANCE OF THE SYSTEM. ALL EXISTING CIRCUITS AND CABLES TO THE LIGHT POLES SHALL BE LOCATED AND MARKED IN THE AREA OF ANY UG TRENCHING OR BORING AND MAINTAINED AS NEEDED AND THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INSTALL THE POLES SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE. THE VOIDS ON THE BOTTOM SIDE OF THE ALUMINUM POLE BASE MUST BE SEALED FROM RODENT ENTRY WITH STAINLESS STEEL SCREEN.
- STAINLESS STEEL SCREEN INSTALLED AROUND BREAKAWAY COUPLINGS OR ANCHOR RODS AND NUTS SHALL BE ACCORDING TO ART. 1070.04(a)(2) OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR TO RELOCATE EXISTING POLE, ARM AND LED LUMINAIRE AND REMOVE EXISTING POLE WIRING. ANY DAMAGE IN RELOCATING POLE, ARM AND LUMINAIRE SHALL BE REPAIRED OR REPLACED AT NO COST TO THE DEPARTMENT. COST OF NEW POLE WIRING AND ACCESSORIES SHALL BE INCLUDED IN "REMOVE AND RE-ERECT EXISTING LIGHTING UNIT". SCREENS WILL BE PAID FOR IN THE BREAKAWAY COUPLING PAY ITEM - 838650.
- CONTRACTOR TO REMOVE EXISTING LUMINAIRE AND EXISTING WIRING IN THE POLE. INSTALL NEW LED LUMINAIRE, POLE WIRING, FUSE HOLDERS, LIGHTNING ARRESTORS AND RODENT SCREEN AT BASE OF POLE. THIS COST SHALL BE INCLUDED IN THE "LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H" PAY ITEM.
- INSTEAD OF MULTIPLE BORES AT ONE ROAD CROSSING, THE CONTRACTOR MAY INSTALL 1 BORE WITH A LARGER CASING SIZE WITH WRITTEN APPROVAL OF THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.
- LUMINAIRES FOR THIS PROJECT WILL VARY BETWEEN INTERCHANGES IN COLOR AND VOLTAGE. CONTRACTOR SHALL SUPPLY LUMINAIRE COLOR TO MATCH EXISTING POLES AND LUMINAIRE DRIVER TO MATCH CIRCUIT VOLTAGE. CIRCUITS FED FROM CONTROLLERS 62 AND 64 ARE 240V AND CIRCUITS FED FROM CONTROLLERS 65 AND 66 ARE 480V.

LEGEND

-  EXISTING TENON TOP LIGHT POLE TO REMAIN IN PLACE, NEW 1' BRACKET ARM TO BE MOUNTED ON EXISTING POLE. REPLACE EXISTING HPS FIXTURE WITH NEW LED, HORIZONTAL MOUNT, LUMINAIRE OUTPUT DESIGNATION H. COLOR OF NEW ARM AND LUMINAIRE TO MATCH EXISTING POLE. SEE NOTE 10 & 12.
-  EXISTING TWIN TENON TOP (@ 180 DEGREES) LIGHT POLE TO REMAIN IN PLACE, NEW TWIN BRACKET ARM TO BE MOUNTED ON EXISTING POLE. REPLACE EXISTING HPS FIXTURES WITH NEW LED, HORIZONTAL MOUNT, LUMINAIRE OUTPUT DESIGNATION H. COLOR OF NEW ARM AND LUMINAIRE TO MATCH EXISTING POLE. SEE NOTE 10 & 12.
-  EXISTING DAVIT ARM LIGHT POLE WITH 15' DAVIT ARM TO REMAIN IN PLACE, REPLACE EXISTING HPS FIXTURE WITH NEW LED, HORIZONTAL MOUNT, LUMINAIRE OUTPUT DESIGNATION H. LUMINAIRE COLOR TO MATCH EXISTING POLE. SEE NOTE 10 & 12.
-  EXISTING LIGHT POLE WITH 15' DAVIT ARM TO BE REMOVED AND RELOCATED. FOUNDATION TO BE REMOVED.
-  EXISTING DAVIT ARM LIGHT POLE AND LUMINAIRE TO REMAIN.
-  RELOCATED DAVIT ARM LIGHT POLE TO BE INSTALLED ON NEW METAL FOUNDATION AND NEW BREAKAWAY COUPLINGS WITH SS SCREEN. SEE NOTE 9.
-  EXISTING UNIT DUCT TO BE ABANDONED IN PLACE. THE CONTRACTOR SHALL VERIFY THE CIRCUIT LOCATION IN THE FIELD. CONTRACTOR TO REMOVE AND SALVAGE CONDUCTOR FROM UNIT DUCT.
-  PROPOSED UNIT DUCT, SIZE AS INDICATED ON PLANS.
-  PROPOSED UNDERGROUND CONDUIT CASING, 2" DIA. LENGTH AS NOTED.
-  ELECTRIC SERVICE INSTALLATION, TYPE AS INDICATED
-  PROPOSED LIGHTING CONTROLLER.
-  EXISTING LIGHTING CONTROLLER TO BE REMOVED.
-  EXISTING ELECTRICAL SERVICE INSTALLATION TO BE REMOVED.

CABLE/CONDUIT SCHEDULE

-  UNIT DUCT, 600 V, 2-1/2" NO. 6, 1/2" NO. 6 GROUND (XLP-TYPE USE), 1" DIA. POLYETHYLENE
-  UNIT DUCT, 600 V, 2-1/2" NO. 6, 1/2" NO. 6 GROUND (XLP-TYPE USE), 1" DIA. POLYETHYLENE IN 2" CASING, DIRECTIONALLY BORED.

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L-04	I-74 DANVILLE LIGHTING - US 150 RAMP A, A1 AND B - STA. 1694+00 TO 1705+00
L-05	I-74 DANVILLE LIGHTING - US 150 RAMP A, A1 AND B - STA. 396+00 TO 402+50
L-06	I-74 DANVILLE LIGHTING - US 150 RAMP D - STA. 700+00 TO 717+00
L-07	I-74 DANVILLE LIGHTING - I-74 - STA. 1872+00 TO 1877+00
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L-10	I-74 DANVILLE LIGHTING - I-74 - STA. 1907+00 TO 1922+06.77
L-11	I-74 DANVILLE LIGHTING - I-74 - STA. 1922+06.77 TO 1937+06.77
L-12	I-74 DANVILLE LIGHTING - I-74 - STA. 1937+06.77 TO 1952+00
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L-18	EXISTING WIRING DIAGRAMS CONTROLLER 62 & 63
L-19	PROPOSED WIRING DIAGRAM CONTROLLER 62

HIGHWAY STANDARDS

821101-02	LUMINAIRE WIRING IN POLE
825011-04	LIGHTING CONTROLLER PEDESTAL, 240V
830006-05	LIGHT POLE ALUMINUM DAVIT ARM
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES

LIGHTING SCHEDULE OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	770
81603035	UNIT DUCT, 600V, 2-1/2" #6, 1/2" #6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	5750
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	76
82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 100AMP	EACH	1
83600356	LIGHT POLE FOUNDATION, METAL, 15" RADIUS CIRCULAR, 8 5/8" X 6"	EACH	4
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	16
84200804	REMOVAL OF POLE FOUNDATION	EACH	4
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2400
X8440120	REMOVE AND RE-ERECT EXISTING LIGHTING UNIT	EACH	4
X1400267	REMOVAL OF LIGHTING LUMINAIRE, NO SALVAGE	EACH	76
X8210402	LUMINAIRE MOUNTING BRACKET - SPECIAL	EACH	26

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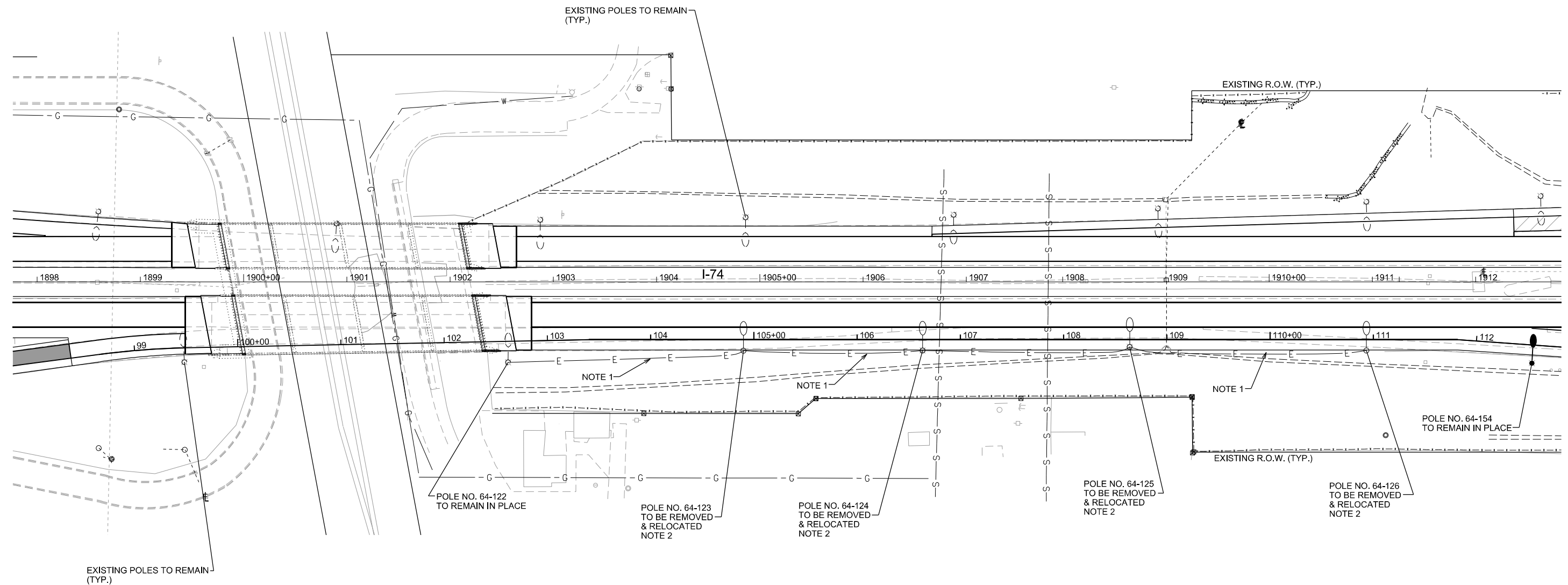
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 DANVILLE LIGHTING
GENERAL SHEET, LEGENDS, SCHEDULES AND INDEX OF SHEETS

SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	266
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

L-01



NOTES:

- DISCONNECT CABLE FROM POLES 64-122, 64-123, 64-124, 64-125 & 64-126. REMOVE CABLE FROM CONDUIT. ABANDON CONDUIT IN PLACE OR REMOVE AS NEEDED FOR NEW HIGHWAY LANE.
- SEE SHEETS L-09 AND L-10 FOR NEW POLE LOCATION.

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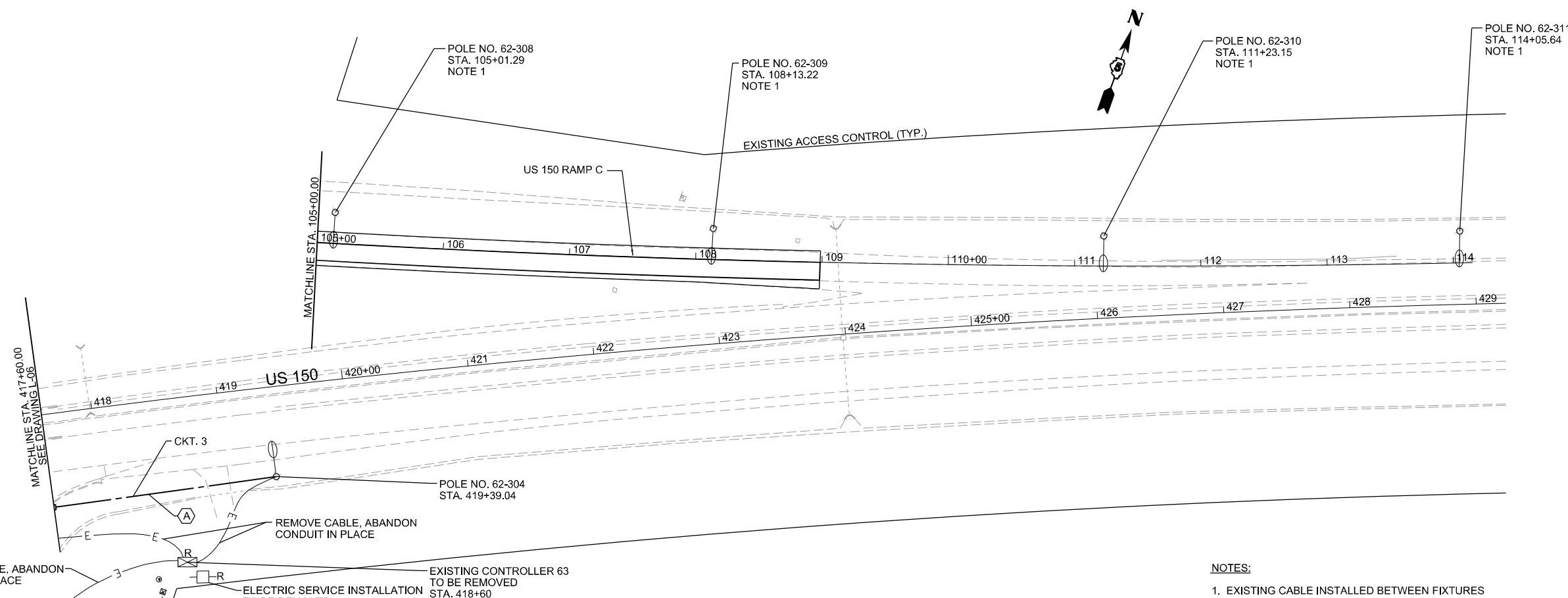
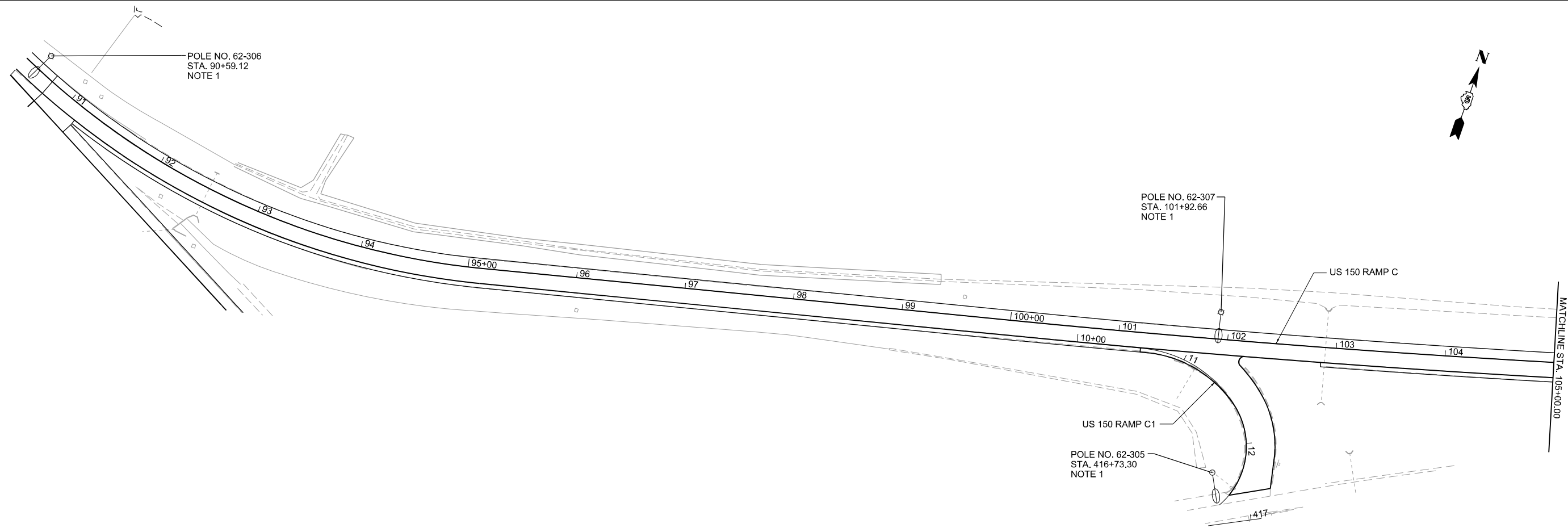


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PLOT DATE = 3/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-74 DANVILLE LIGHTING EXISTING LIGHTING REMOVAL PLAN			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA. 1898+00	TO STA.	1912+80	

L-02			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
74	(92-10.11,12)R	VERMILION	698
			267
CONTRACT NO. 70A29			
	ILLINOIS	FED. AID PROJECT	



REMOVE CABLE, ABANDON CONDUIT IN PLACE

CKT. 3

REMOVE CABLE, ABANDON CONDUIT IN PLACE

ELECTRIC SERVICE INSTALLATION TO BE REMOVED

EXISTING CONTROLLER 63 TO BE REMOVED STA. 418+60 130' RT

NOTES:

1. EXISTING CABLE INSTALLED BETWEEN FIXTURES WILL REMAIN AS INSTALLED.

L-03

MODEL: D:\7020\05\shelton-us 150 Ramps_C-C1
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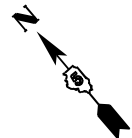
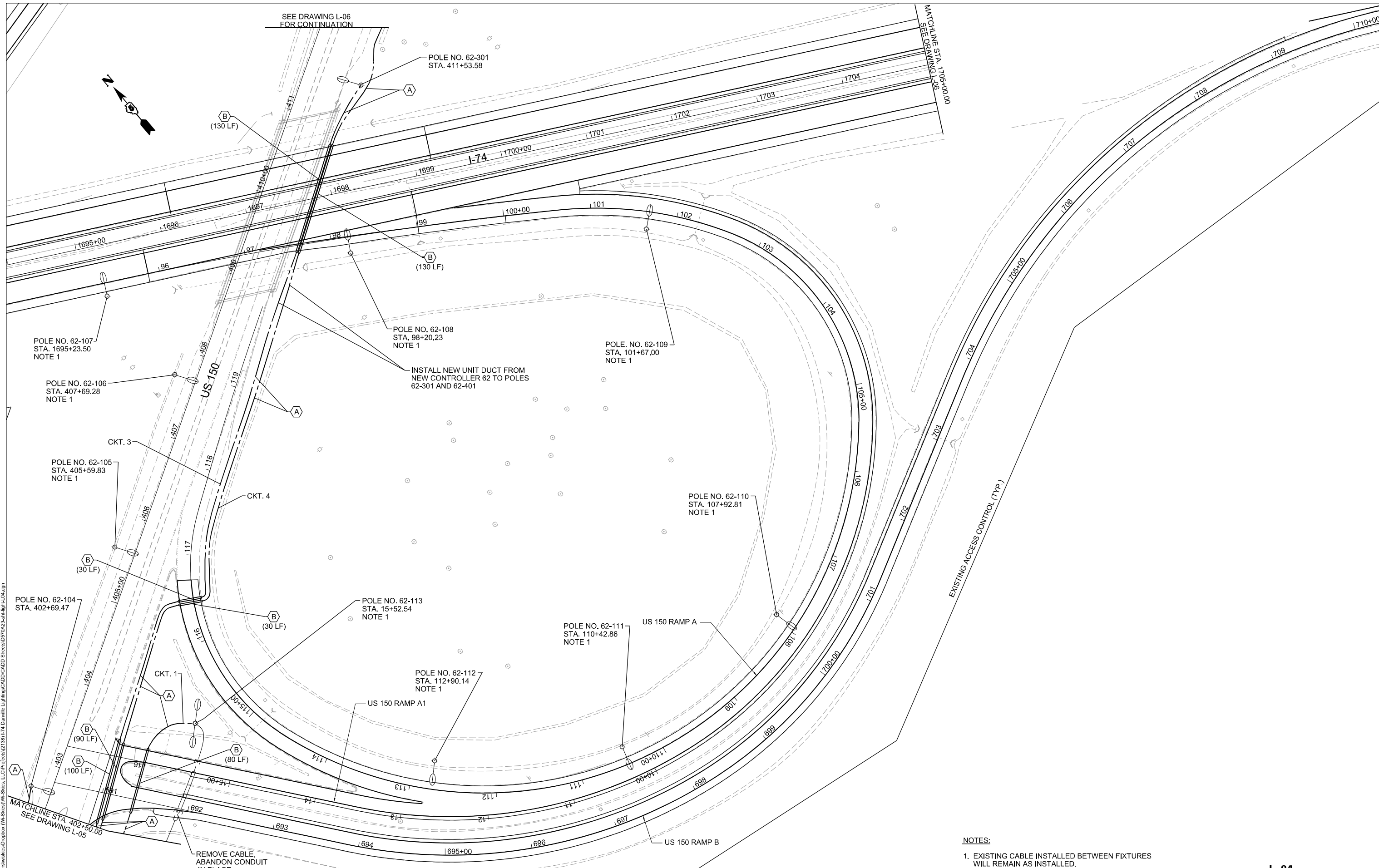


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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-74 DANVILLE LIGHTING	
US 150 RAMP C AND C1 PLAN SHEET	
SCALE: 1" = 50'	SHEET OF SHEETS STA. 90+40 TO STA. 114+05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	268
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



SEE DRAWING L-06 FOR CONTINUATION

MATCHLINE STA. 1705+00.00
SEE DRAWING L-06

MODEL: D:\7020\Sheet\I-74 US 150 Ramps A-A1-B FILE NAME: C:\Users\wis\Documents\Projects\I-74 Danville Lighting\CADD\CADD Sheets\0702022-hghp-l-04.dgn
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 PLOT DATE: 3/16/2022

NOTES:
 1. EXISTING CABLE INSTALLED BETWEEN FIXTURES WILL REMAIN AS INSTALLED.

L-04

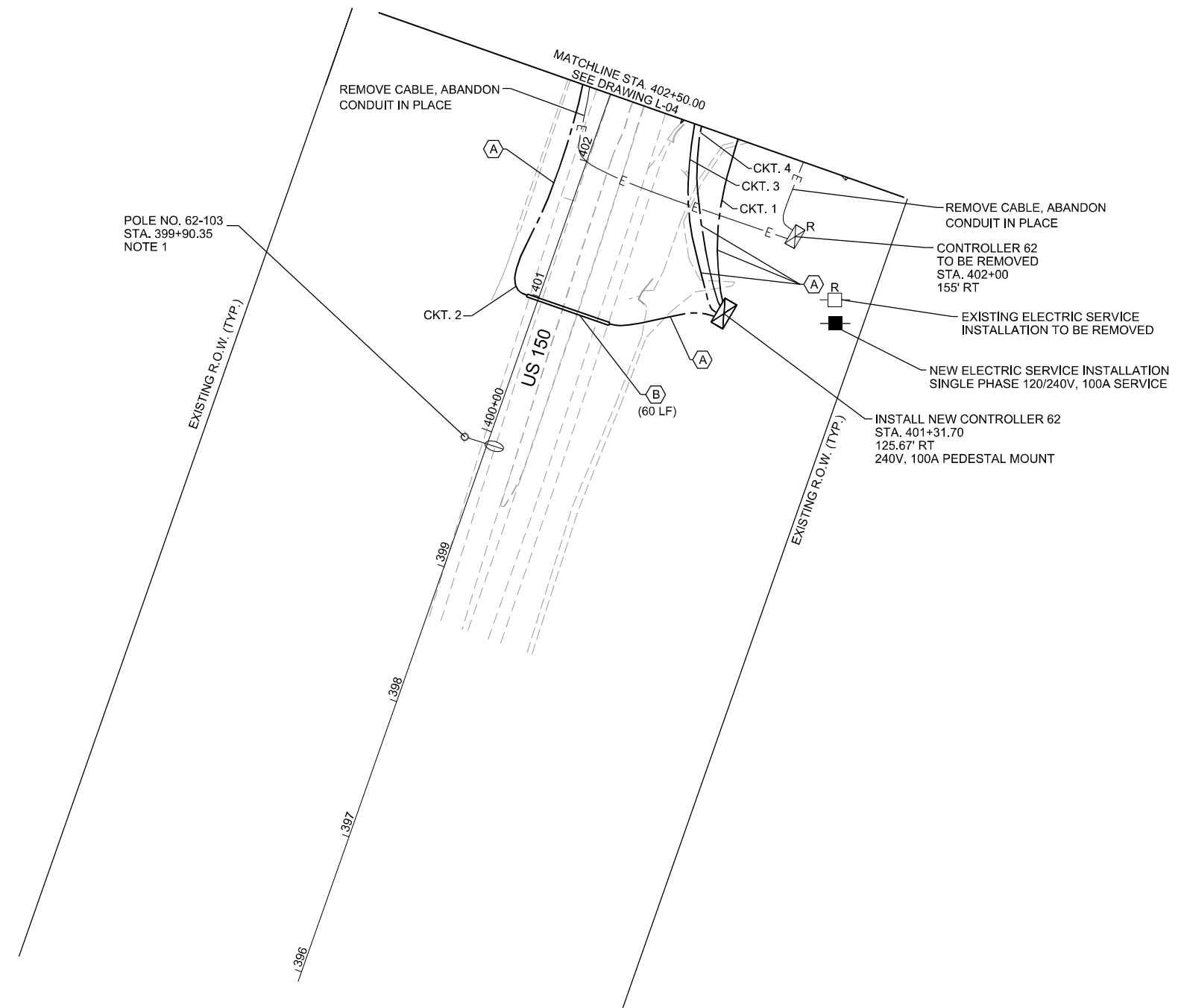
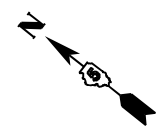


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-74 DANVILLE LIGHTING		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US 150 RAMP A, A1, AND B PLAN SHEET		74	(92-10.11,12)R	VERMILION	698	269
SCALE: 1" = 50'	SHEET OF SHEETS	STA. 1694+00	TO STA. 1708+00	CONTRACT NO. 70A29		

ILLINOIS	FED. AID PROJECT
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NOTES:
 1. EXISTING CABLE INSTALLED BETWEEN FIXTURES WILL REMAIN AS INSTALLED.

L-05

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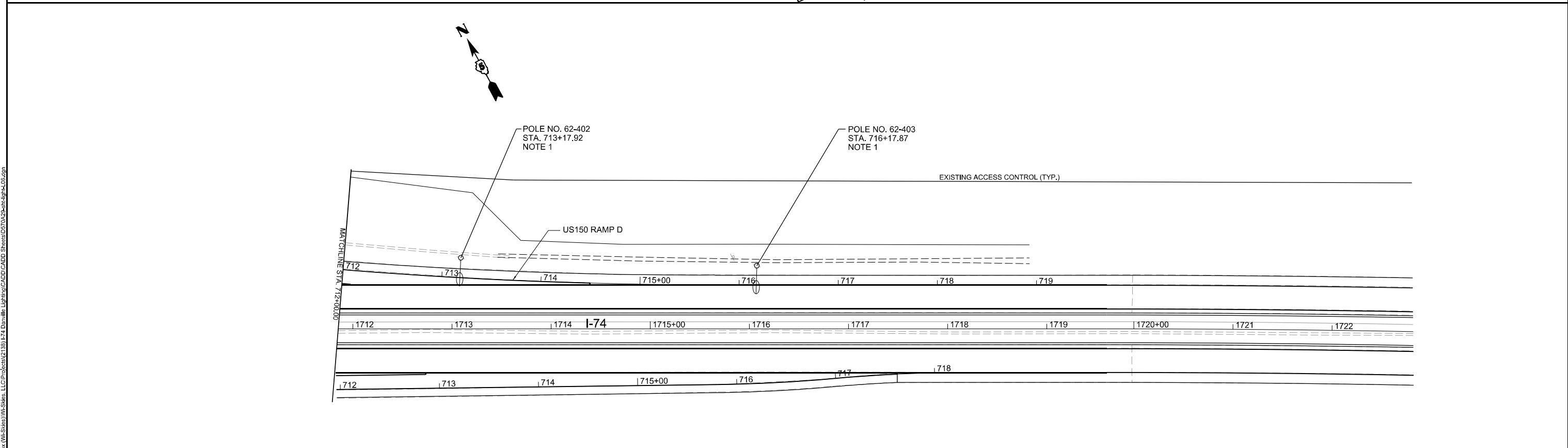
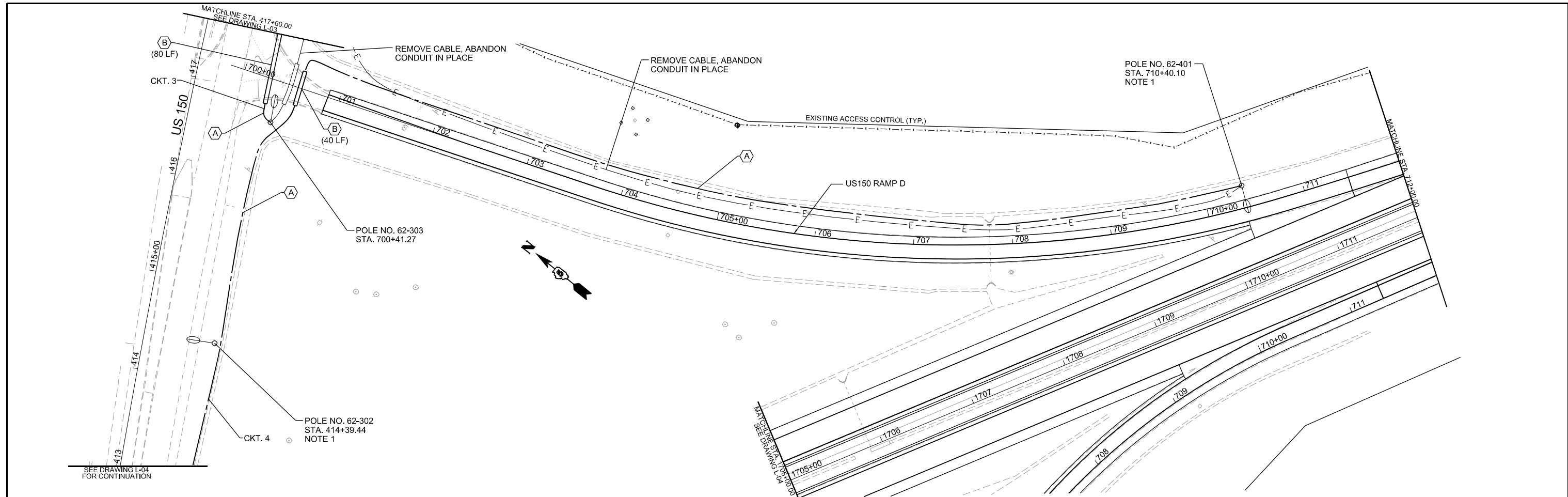
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-74 DANVILLE LIGHTING
 US 150 RAMP A, A1, AND B PLAN SHEET**

SCALE: 1" = 50' SHEET OF SHEETS STA. 398+60 TO STA. 402+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	270
CONTRACT NO. 70A29				
		ILLINOIS	FED. AID PROJECT	

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NOTES:
 1. EXISTING CABLE INSTALLED BETWEEN FIXTURES WILL REMAIN AS INSTALLED.

L-06



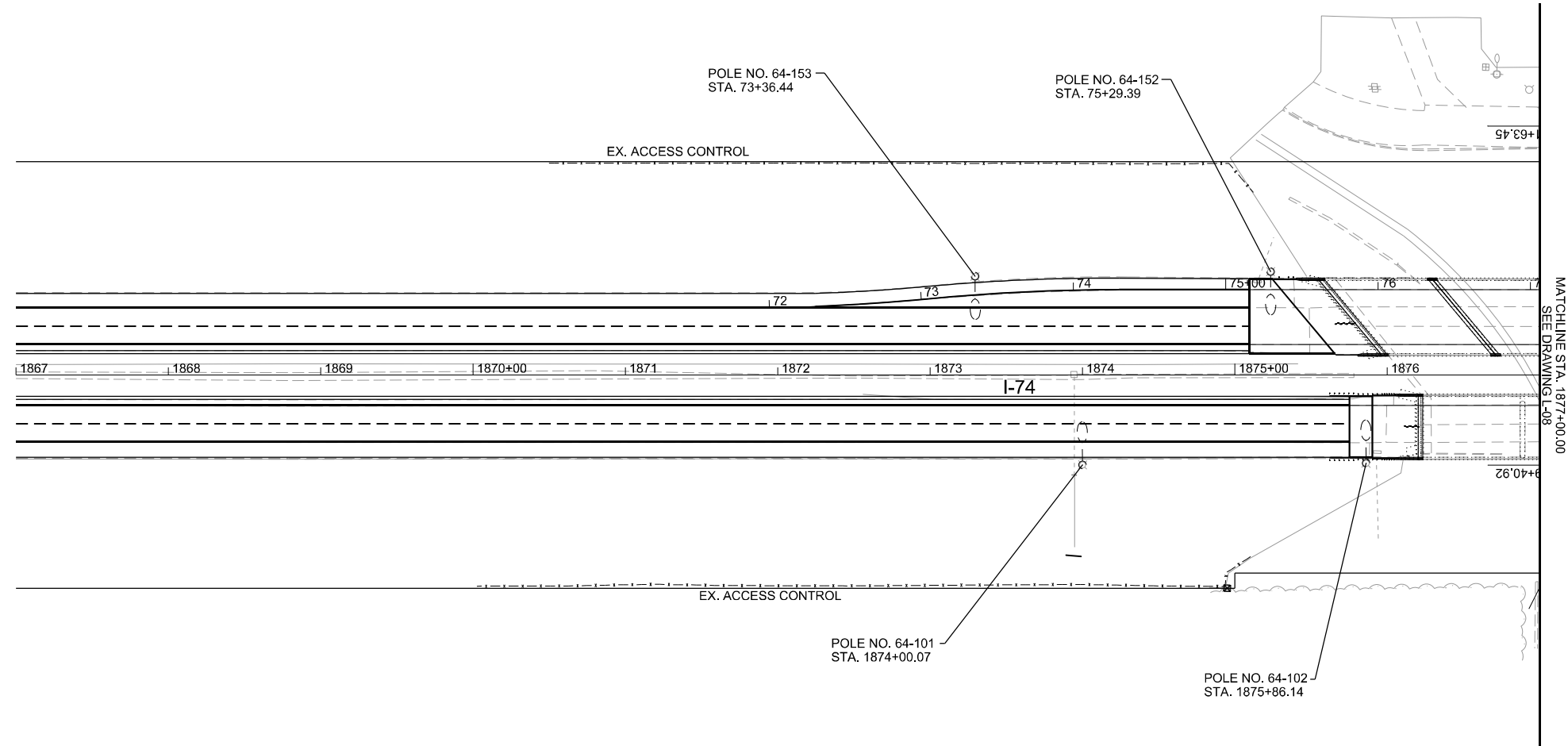
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-74 DANVILLE LIGHTING
 US 150 RAMP D PLAN SHEET**

SCALE: 1" = 50' SHEET OF SHEETS STA. 700+00 TO STA. 717+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	271
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



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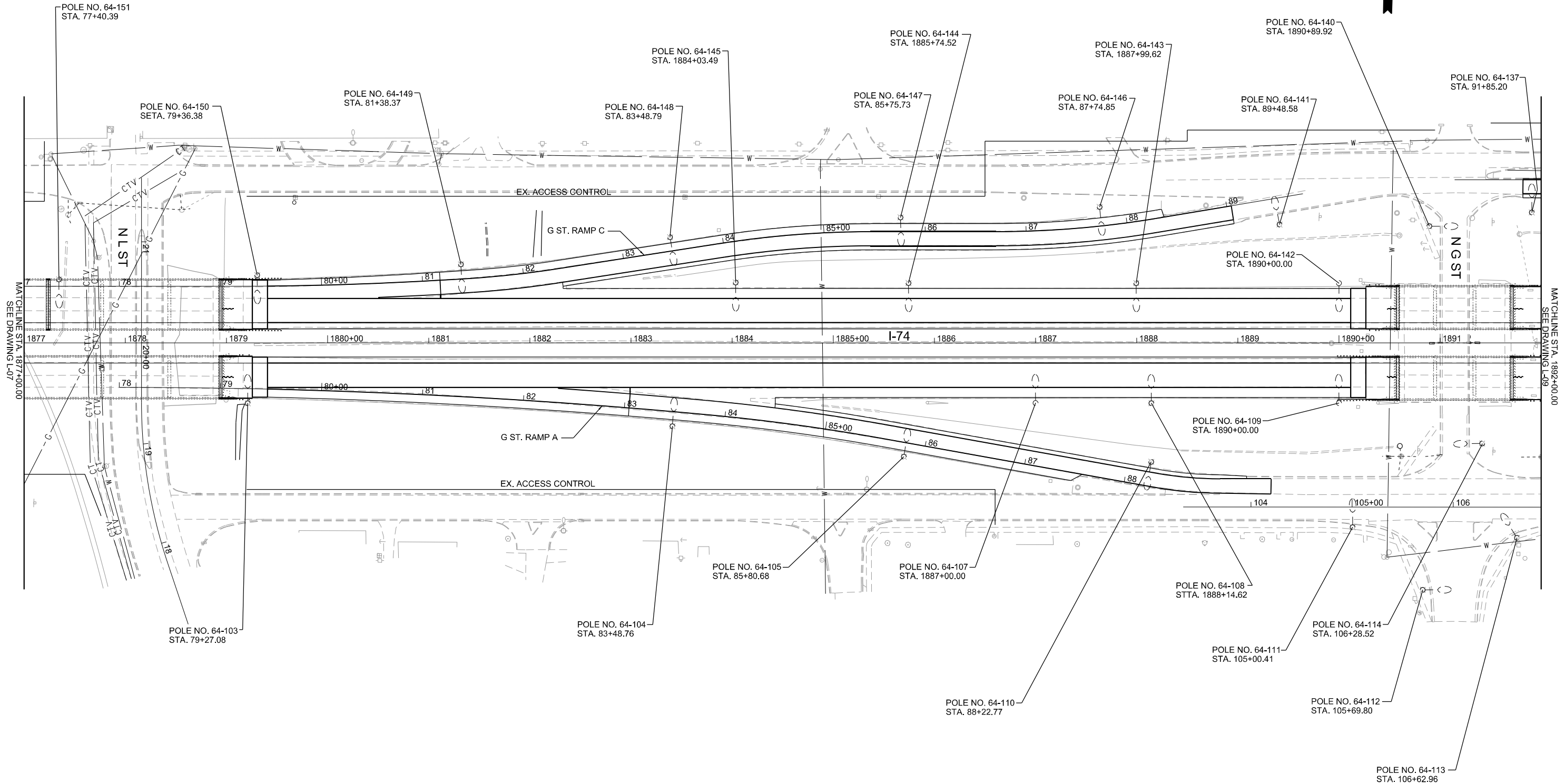
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 DANVILLE LIGHTING
I-74

SCALE: 1" = 50' SHEET OF SHEETS STA. 1872+00 TO STA. 1877+00

L-07

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	272
CONTRACT NO. 70A29				
		ILLINOIS	FED. AID PROJECT	



MATCHLINE STA. 1877+00.00
SEE DRAWING L-07

MATCHLINE STA. 1892+00.00
SEE DRAWING L-09

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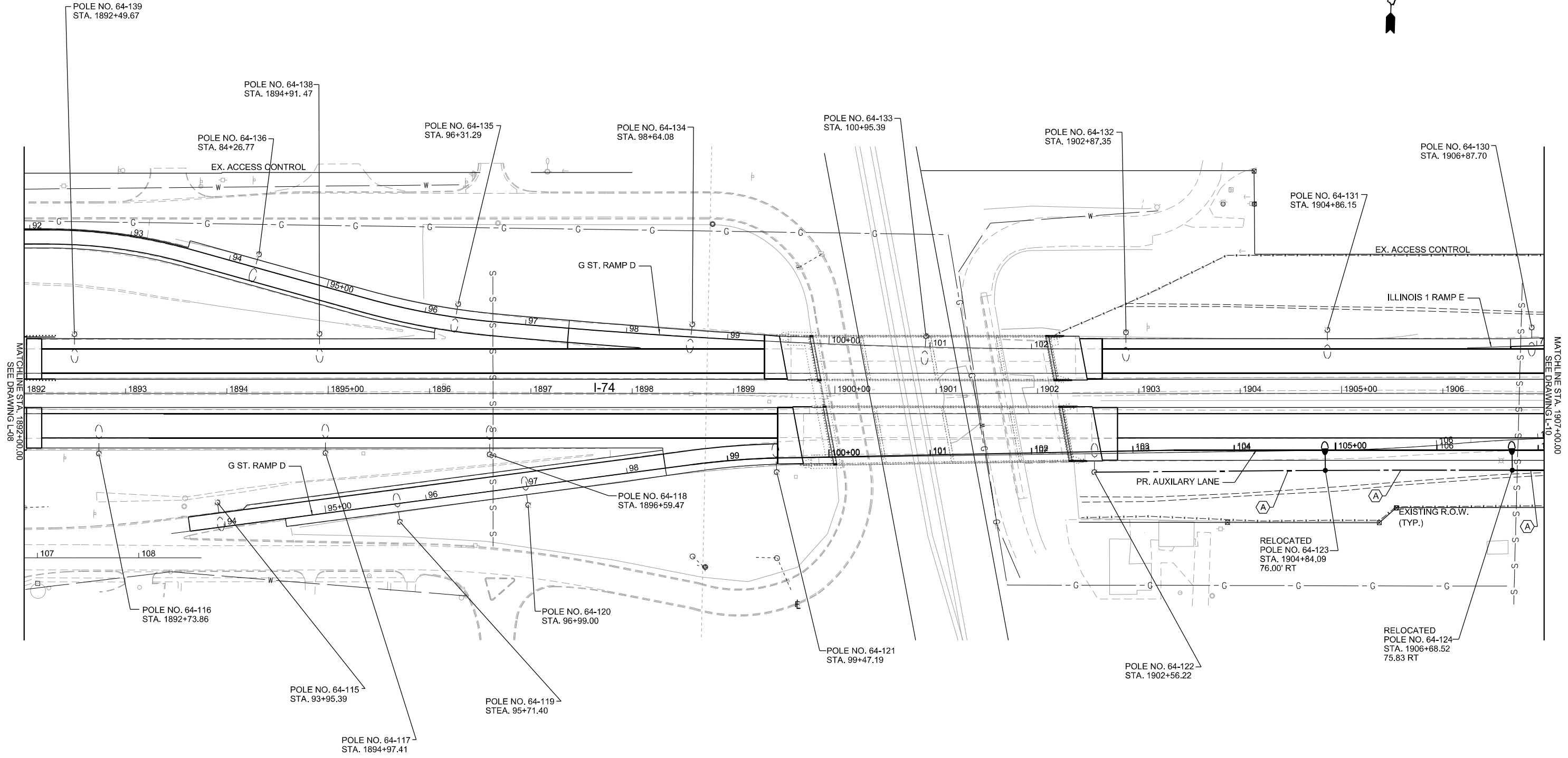
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-74 DANVILLE LIGHTING
I-74**

SCALE: 1" = 50' SHEET OF SHEETS STA. 1877+00 TO STA. 1892+00

F.A.I. RTE. 74		SECTION (92-10.11,12)R	COUNTY VERMILION	TOTAL SHEETS	SHEET NO.
				698	273
CONTRACT NO. 70A29				ILLINOIS FED. AID PROJECT	

L-08



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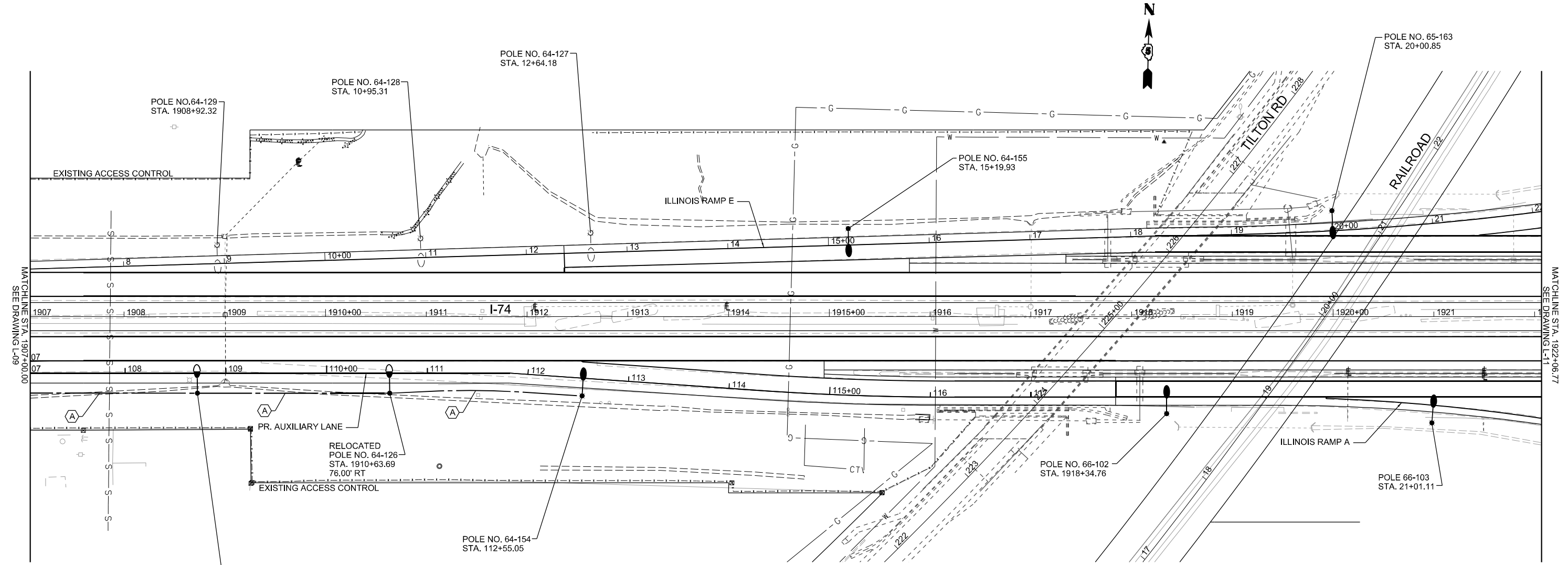
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 DANVILLE LIGHTING			
I-74			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA. 1892+00	TO STA.	1907+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	274
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

L-09

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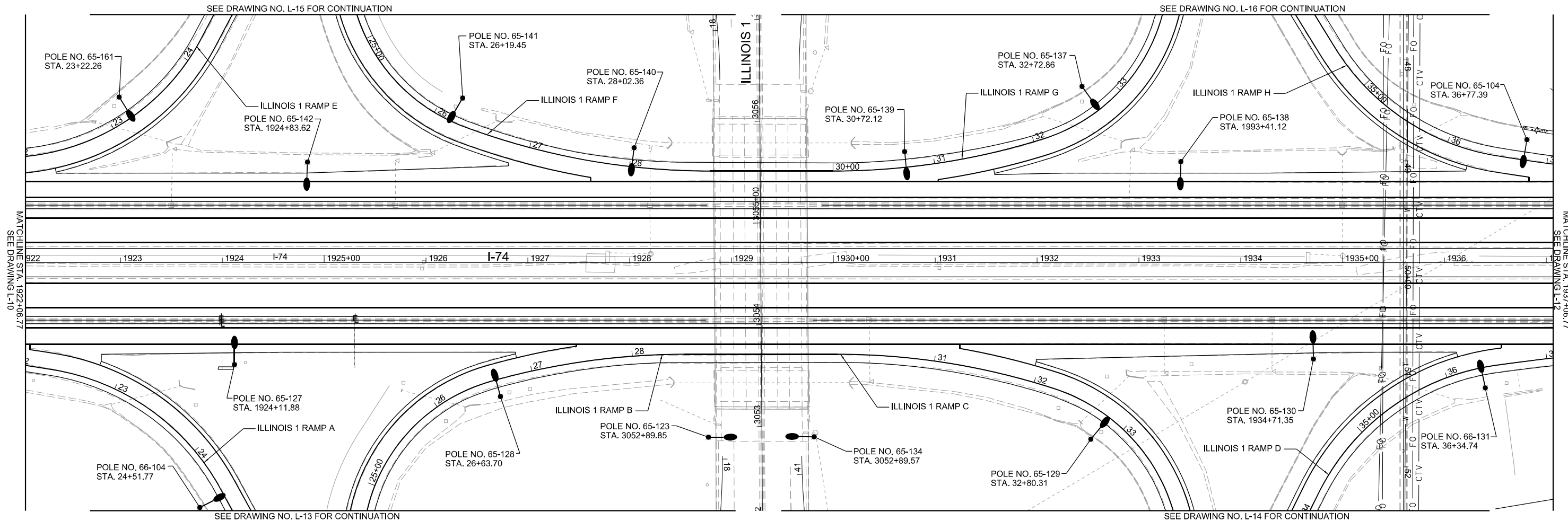
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PLOT DATE = 3/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-74 DANVILLE LIGHTING			
I-74			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA. 1907+00	TO STA.	1922+06.77	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	275
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

L-10



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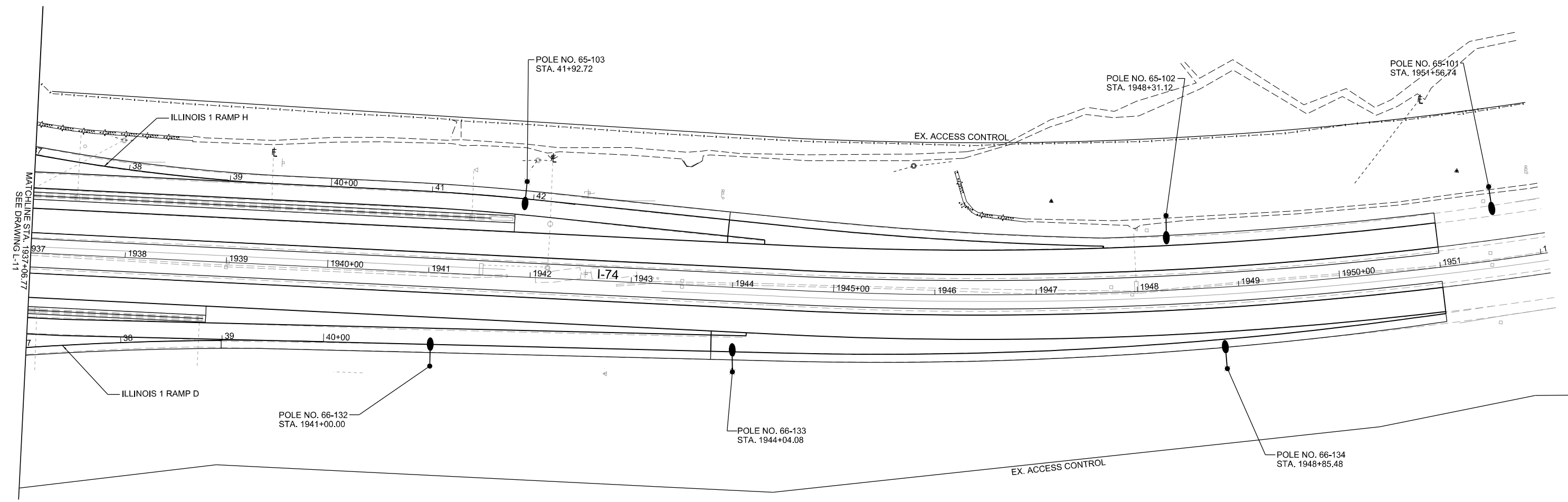


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PLOT DATE = 3/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 DANVILLE LIGHTING			
I-74			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA. 1922+06.77	TO STA.	1937+06.77

L-11			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
74	(92-10.11,12)R	VERMILION	698
			SHEET NO. 276
			CONTRACT NO. 70A29
		ILLINOIS	FED. AID PROJECT



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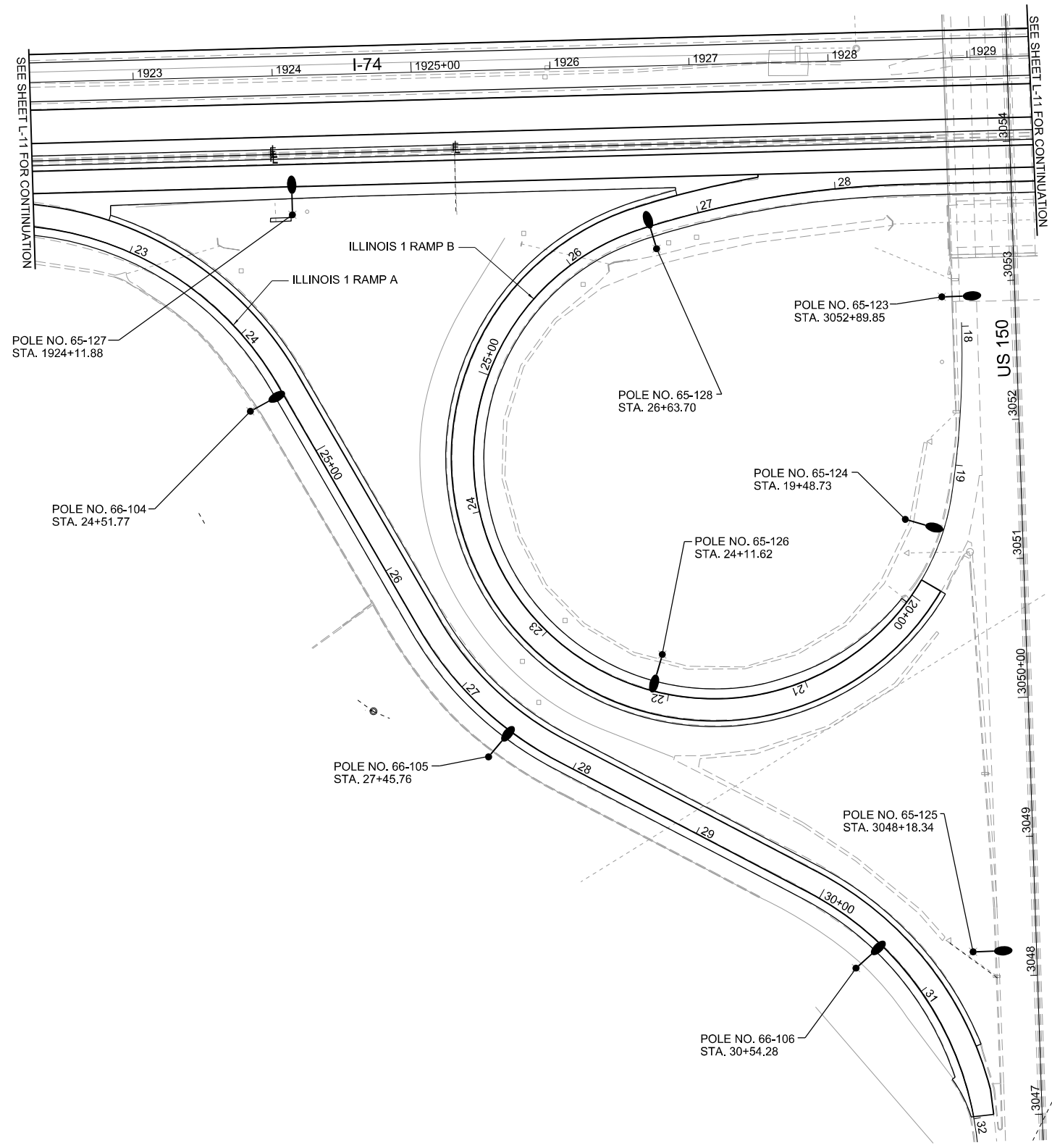
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-74 DANVILLE LIGHTING
I-74**

SCALE: 1" = 50' SHEET OF SHEETS STA. 1937+06.77 TO STA. 1952+00

F.A.I. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		(92-10.11,12)R	VERMILION	698	277
CONTRACT NO. 70A29					
		ILLINOIS	FED. AID PROJECT		

L-12



SEE SHEET L-11 FOR CONTINUATION

SEE SHEET L-11 FOR CONTINUATION

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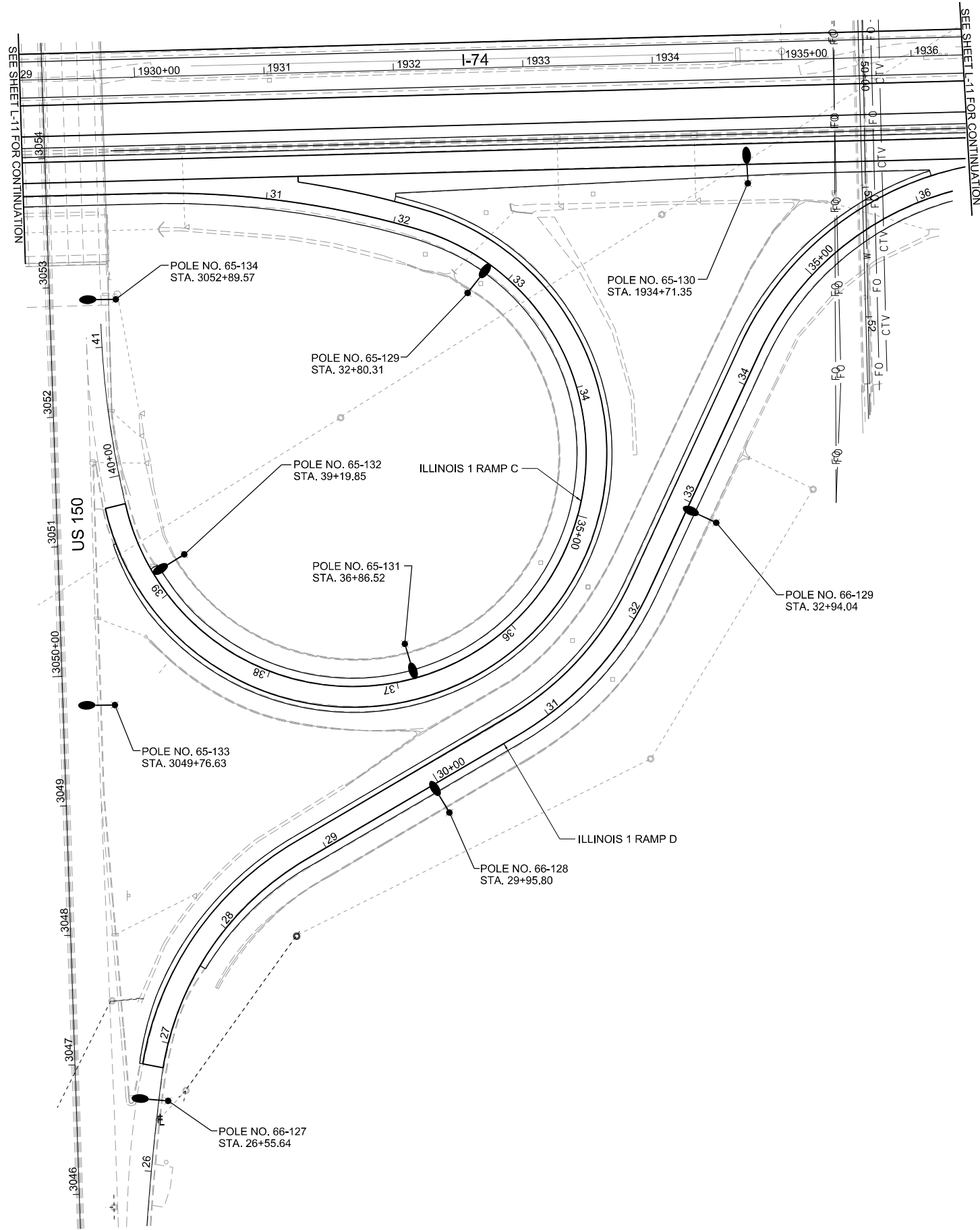
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-74 DANVILLE LIGHTING
 IL 1 RAMP A AND B PLAN SHEET**

SCALE: 1" = 50'

SHEET OF SHEETS STA. 1922+25 TO STA. 1929+44

L-13		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	278		
					CONTRACT NO. 70A29	
		ILLINOIS	FED. AID PROJECT			



SEE SHEET L-11 FOR CONTINUATION

SEE SHEET L-11 FOR CONTINUATION

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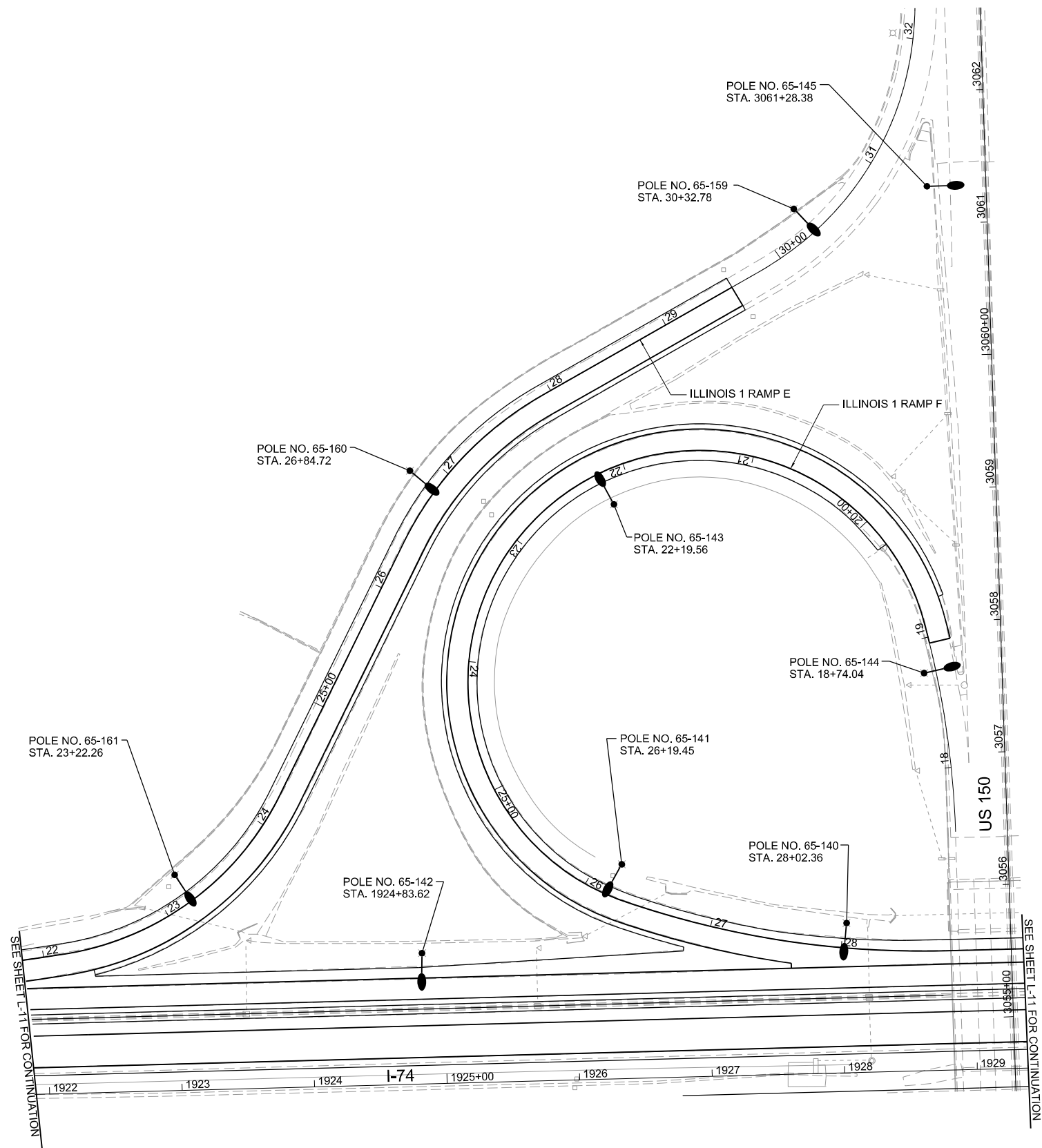


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-74 DANVILLE LIGHTING			
IL 1 RAMP C AND D PLAN SHEET			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA. 1929+00	TO STA.	1936+40

L-14				
F.A.I. RTE. 74	SECTION (92-10.11,12)R	COUNTY VERMILION	TOTAL SHEETS 698	SHEET NO. 279
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



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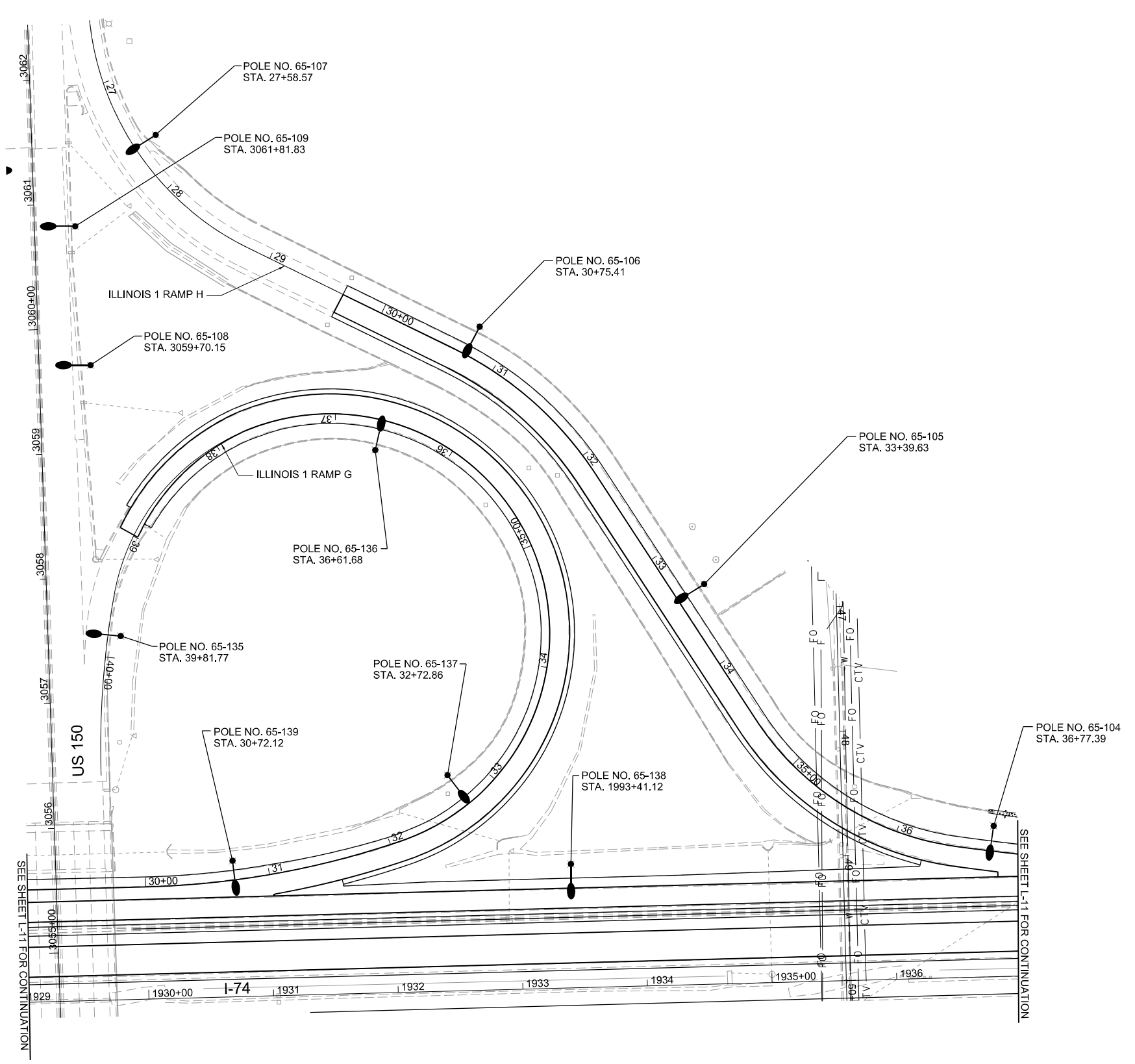
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 DANVILLE LIGHTING
ILL 1 RAMP E AND F PLAN SHEET

SCALE: 1" = 50' SHEET OF SHEETS STA. 1921+90 TO STA. 1929+38

L-15		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		74	(92-10.11,12)R	VERMILION	698	280
					CONTRACT NO. 70A29	
		ILLINOIS	FED. AID PROJECT			



SEE SHEET L-11 FOR CONTINUATION

SEE SHEET L-11 FOR CONTINUATION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-74 DANVILLE LIGHTING
IL 1 RAMP G AND H PLAN SHEET**

SCALE: 1" = 50' SHEET OF SHEETS STA. 1929+00 TO STA. 1936+98

L-16		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	281		
					CONTRACT NO. 70A29	
		ILLINOIS	FED. AID PROJECT			

LUMINAIRE PERFORMANCE TABLE

PROJECT

DATE	CONTRACT NUMBER	SECTION NUMBER	COUNTY
1/3/22	70A29	(92-10.11.12) R	VERMILION

MARKED ROUTE NUMBER	MUNICIPALITY
FAI RTE 74 - MLK	DANVILLE

ROADWAY

LANE WIDTH	# OF LANES	MEDIAN WIDTH	I. E. S SURFACE CLASSIFICATION	Q-ZERO VALUE
12	2	N/A	R3	0.07

STRUCTURE

MOUNTING HEIGHT	ARM LENGTH	SET BACK	NUMBER OF LUMINAIRES (HIGHMAST & SIGN LIGHTING ONLY)
45 FT	1 FT	25 FT	N/A

LUMINAIRE

DESCRIPTION	I. E. S. LATERAL DISTRIBUTION	I. E. S. VERTICAL DISTRIBUTION
ROADWAY, OUTPUT DESIGNATION H	TYPE III	SHORT

TOTAL LIGHT LOSS FACTOR (LLF)	BUG RATING	SHIELDS	DIMMING PROTOCOL
0.7	U = 0	N/A	0-10V

LAYOUT

SPACING (TO NEAREST 5 FT)	CONFIGURATION (OPPOSITE, STAGGERED, 1 SIDED, OR MEDIAN)
280 FT	SINGLE SIDED

PERFORMANCE

AVERAGE ILLUMINANCE, E_{AVE} (FC)	UNIFORMITY RATIO, E_{AVE} / E_{MIN}		
0.9	3.5		
AVERAGE LUMINANCE, L_{AVE} (CD/M ²)	UNIFORMITY RATIO, L_{AVE} / L_{MIN}	UNIFORMITY RATIO, L_{MAX} / L_{MIN}	VEILING LUMINANCE RATIO, L_v / L_{MIN}
N/A	N/A	N/A	0.3:1

LIGHT TRESSPASS

DISTANCE TO ROW (BEHIND POLE)	MAX. HORIZONTAL ILLUMINANCE AT ROW, E	MAX. VERTICAL ILLUMINANCE AT ROW, E
N/A	N/A	N/A

NOTES

- SET BACK IS FROM EDGE OF PAVEMENT (WHITE LINE) EXCEPT FOR SIGN LUMINAIRES WHEN IT IS VERTICAL AND HORIZONTAL DISTANCE FROM THE SIGN TO THE LUMINAIRE.
- LIGHTING CALCULATIONS SHALL BE PERFORMED WITH ALL LUMINAIRES ORIENTED TOWARD AND PERPENDICULAR TO ROADWAY.
- TOTAL LIGHT LOSS FACTOR (LLF) = THE PRODUCT OF 'LUMEN MAINTENANCE' (LLD) = 0.9, 'DIRT DEPRECIATION' (LDD) = 0.87, AND 'EQUIPMENT FACTORS' (EF) = 0.95.
- PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS ABOVE.

CALCULATIONS SHALL BE PERFORMED IN ONE DIRECTION ONLY

LUMINAIRE PERFORMANCE TABLE

PROJECT

DATE	CONTRACT NUMBER	SECTION NUMBER	COUNTY
1/3/22	70A29	(92-10.11.12) R	VERMILION

MARKED ROUTE NUMBER	MUNICIPALITY
FA RTE 74 AT IL-1 (US 150)	DANVILLE

ROADWAY

LANE WIDTH	# OF LANES	MEDIAN WIDTH	I. E. S SURFACE CLASSIFICATION	Q-ZERO VALUE
12	2	40	R3	0.07

STRUCTURE

MOUNTING HEIGHT	ARM LENGTH	SET BACK	NUMBER OF LUMINAIRES (HIGHMAST & SIGN LIGHTING ONLY)
45 FT	15 FT	15 FT	N/A

LUMINAIRE

DESCRIPTION	I. E. S. LATERAL DISTRIBUTION	I. E. S. VERTICAL DISTRIBUTION
ROADWAY, OUTPUT DESIGNATION H	TYPE III	SHORT

TOTAL LIGHT LOSS FACTOR (LLF)	BUG RATING	SHIELDS	DIMMING PROTOCOL
0.7	U = 0	N/A	0-10V

LAYOUT

SPACING (TO NEAREST 5 FT)	CONFIGURATION (OPPOSITE, STAGGERED, 1 SIDED, OR MEDIAN)
225 FT	OPPOSITE

PERFORMANCE

AVERAGE ILLUMINANCE, E_{AVE} (FC)	UNIFORMITY RATIO, E_{AVE} / E_{MIN}		
0.9	3.5		
AVERAGE LUMINANCE, L_{AVE} (CD/M ²)	UNIFORMITY RATIO, L_{AVE} / L_{MIN}	UNIFORMITY RATIO, L_{MAX} / L_{MIN}	VEILING LUMINANCE RATIO, L_v / L_{MIN}
N/A	N/A	N/A	0.3:1

LIGHT TRESSPASS

DISTANCE TO ROW (BEHIND POLE)	MAX. HORIZONTAL ILLUMINANCE AT ROW, E	MAX. VERTICAL ILLUMINANCE AT ROW, E
N/A	N/A	N/A

NOTES

- SET BACK IS FROM EDGE OF PAVEMENT (WHITE LINE) EXCEPT FOR SIGN LUMINAIRES WHEN IT IS VERTICAL AND HORIZONTAL DISTANCE FROM THE SIGN TO THE LUMINAIRE.
- LIGHTING CALCULATIONS SHALL BE PERFORMED WITH ALL LUMINAIRES ORIENTED TOWARD AND PERPENDICULAR TO ROADWAY.
- TOTAL LIGHT LOSS FACTOR (LLF) = THE PRODUCT OF 'LUMEN MAINTENANCE' (LLD) = 0.9, 'DIRT DEPRECIATION' (LDD) = 0.87, AND 'EQUIPMENT FACTORS' (EF) = 0.95.
- PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS ABOVE.

CALCULATIONS SHALL BE PERFORMED IN ONE DIRECTION ONLY

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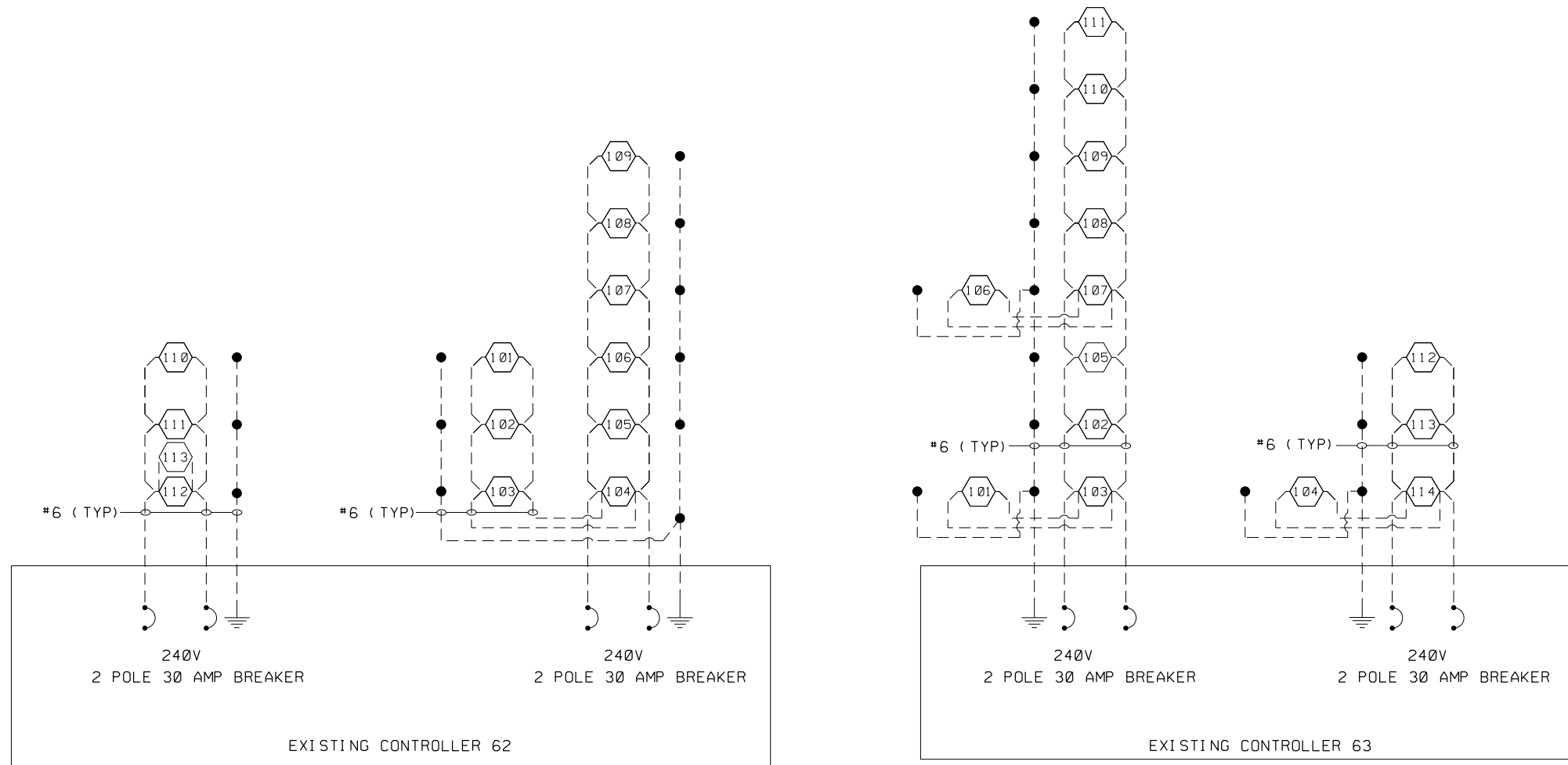
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	DRAWN -	REVISED -
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PLOT DATE = 3/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 DANVILLE LIGHTING
LUMINAIRE PERFORMANCE TABLES

SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11.12)R	VERMILION	698	282
CONTRACT NO. 70A29				
		ILLINOIS	FED. AID PROJECT	



EXISTING WIRING DIAGRAMS

LEGEND

- EXISTING LED LUMINAIRE. NUMBER INSIDE DENOTES POLE NUMBER.
- GROUND ROD.
- EXISTING CABLE.

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

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 PROJECT: I-74 Danville Lighting
 SHEET: 74 OF 118



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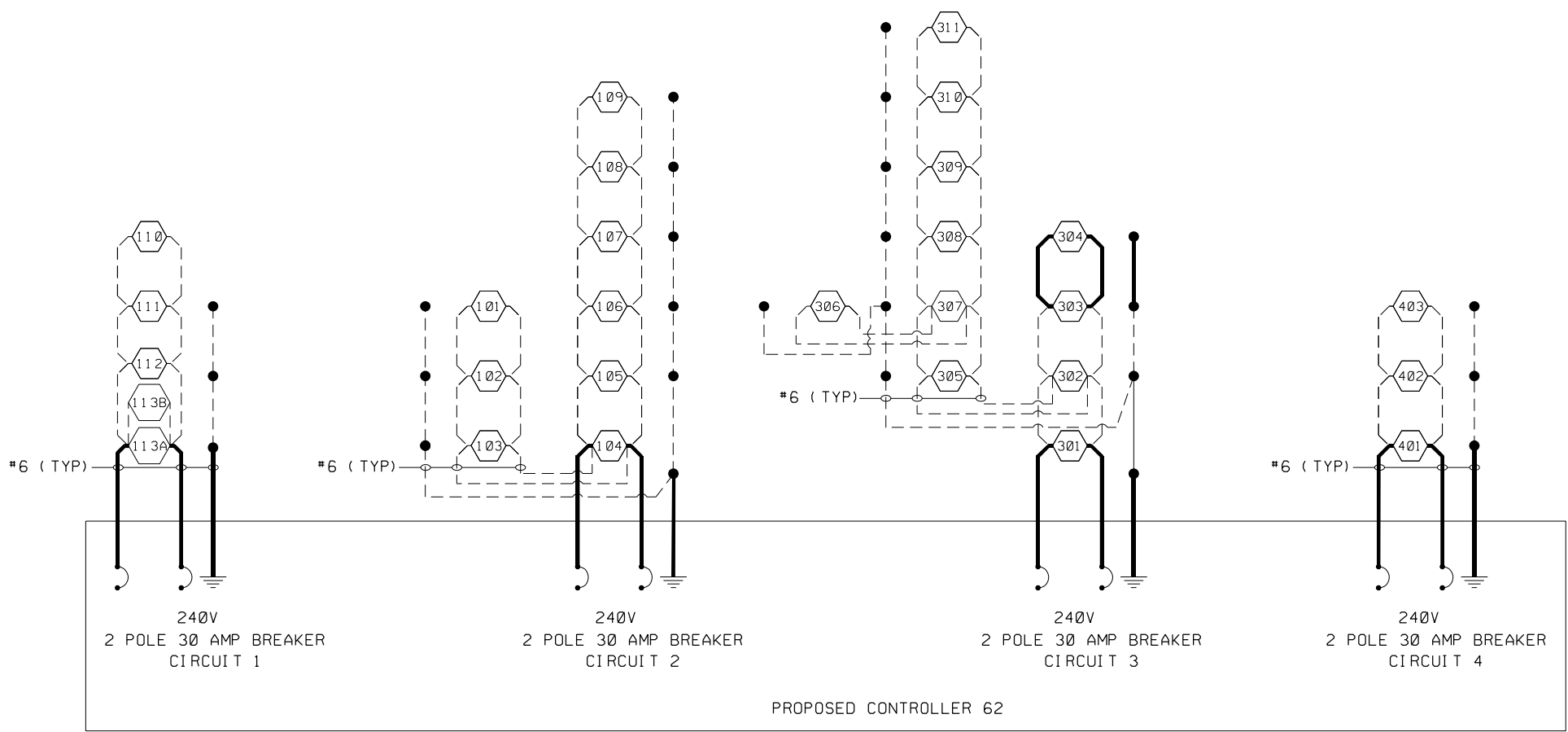
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 DANVILLE LIGHTING
EXISTING WIRING DIAGRAMS CONTROLLER 62 & 63

SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	283
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

L-18



PROPOSED WIRING DIAGRAM

LEGEND

- 1 PROPOSED LED LUMINAIRE. NUMBER INSIDE DENOTES POLE NUMBER.
- GROUND ROD
- PROPOSED CABLE (SIZE AS NOTED). SEE PLANS FOR CABLE TYPE.
- EXISTING CABLE TO REMAIN.

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-74 DANVILLE LIGHTING
PROPOSED WIRING DIAGRAM CONTROLLER 62**

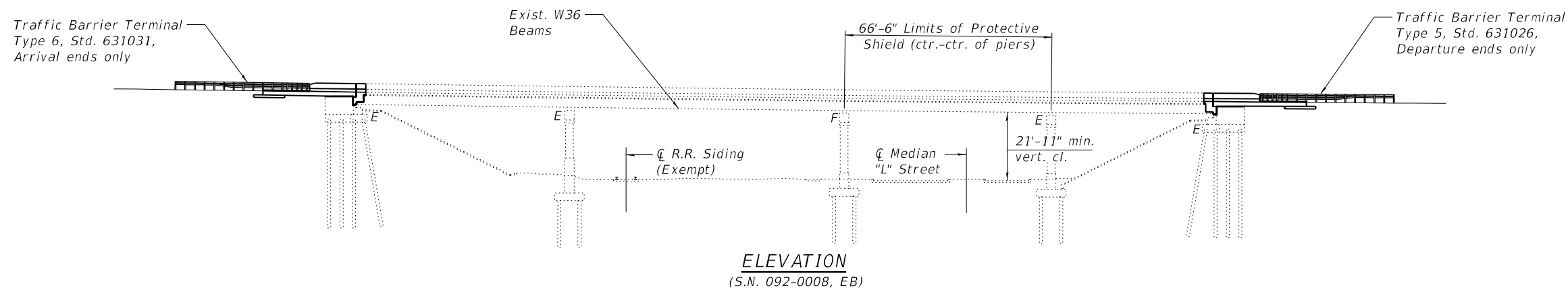
SHEET OF SHEETS STA. TO STA.

L-19		TOTAL SHEETS	SHEET NO.
F.A.I. RTE.	SECTION	COUNTY	
74	(92-10.11,12)R	VERMILION	698 284
CONTRACT NO. 70A29			
		ILLINOIS	FED. AID PROJECT

Benchmark - TBM4 = Chiseled square on the top center of Pier 2 crash wall on Str. No. 092-0008. Elev. 643.72.
 Existing Structures - Structure No. 092-0008 & 092-0009 were built in 1964 as FAI 74, Section 92-11VB. In 1991, the bridge decks were replaced and the bridges were widened. The structures consist of steel beam and reinforced concrete deck superstructures supported on pile bent abutments and multiple column piers. Overall bridge lengths are 277'-5" on S.N. 092-0008 and 317'-6³/₈" on S.N. 092-0009. Clear widths between parapets are 40'-0" (S.N. 092-0008) and 48'-0" (S.N. 092-0009). One lane of traffic in each direction is to be maintained using staged construction.
 Salvage - None.

PROPOSED SCOPE OF WORK

1. Rehabilitate bridge deck with scarification and latex concrete overlay
2. Remove and replace bridge approach slabs
3. Replace steel beam bearing assemblies at abutments
4. Remove existing abutment deck joints and reconstruct with jointless semi-integral abutments
5. Remove and replace deck joints over piers with preformed joint strip seal
6. Repair concrete deterioration on piers and abutments
7. Repair sections of concrete slope walls



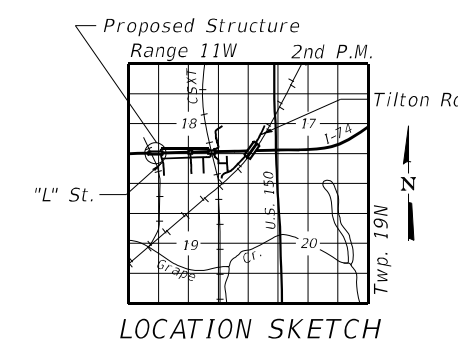
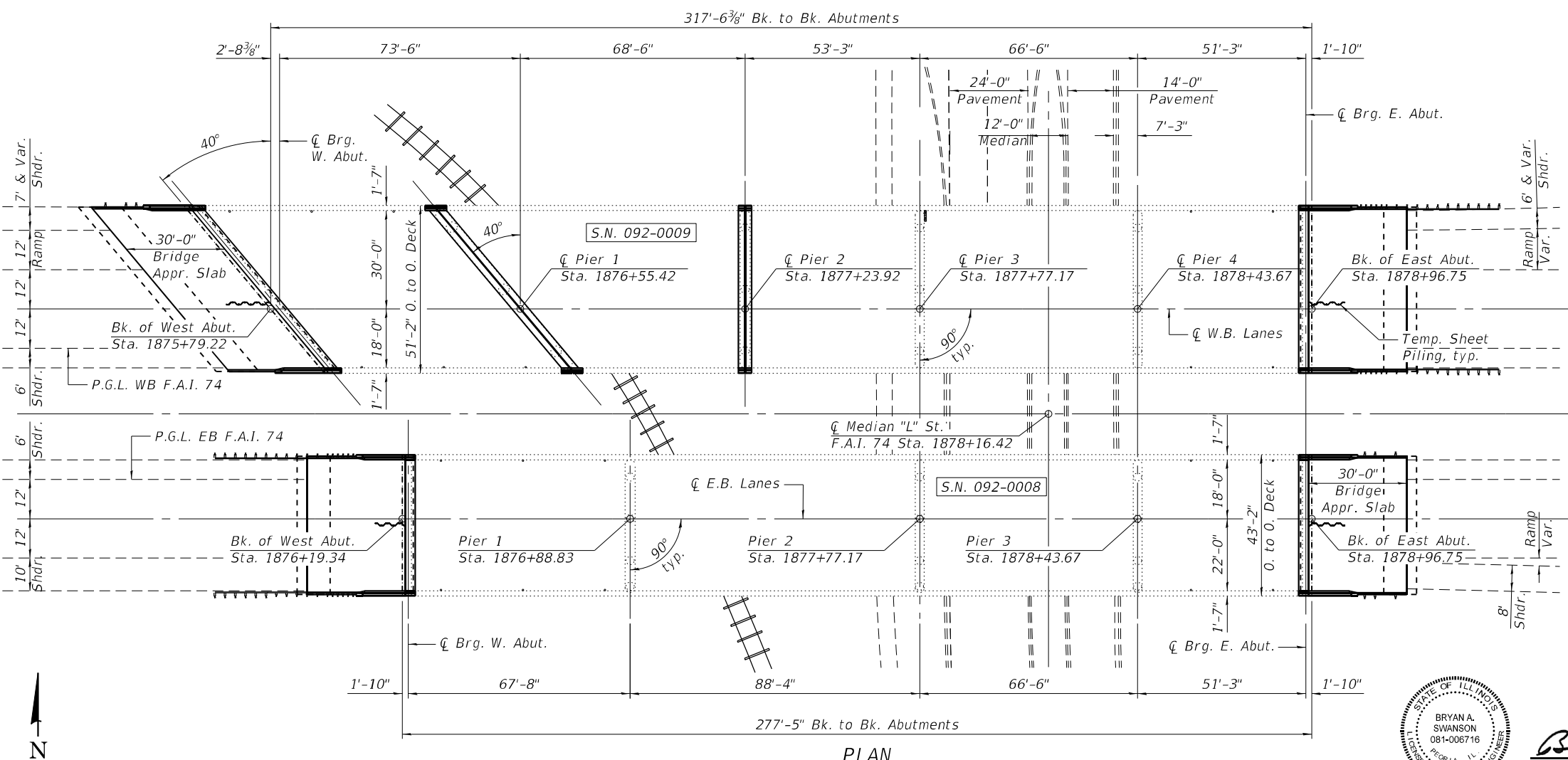
LOADING HS20-44

DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition (LFD)

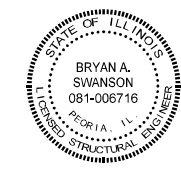
DESIGN STRESSES
 FIELD UNITS

New Construction:
 f'c = 3,500 psi
 f'c = 4,000 psi (deck)
 fy = 60,000 psi (Reinforcement)

Exist. Structure:
 f'c = 3,500 psi
 fy = 60,000 psi (deck reinf.)
 fy = 40,000 psi (orig. substr. reinf.)
 fy = 36,000 (structural steel)



GENERAL PLAN AND ELEVATION
I-74 OVER "L" ST. & R.R. SIDING
F.A.I. 74 - SEC. (92-10,11,12)R
VERMILION COUNTY
STATION 1878+16.42
STR. NO. 092-0008 & 092-0009



Bryan Swanson
 Date Signed: 4-22-22
 Exp. Date: 11/30/2022

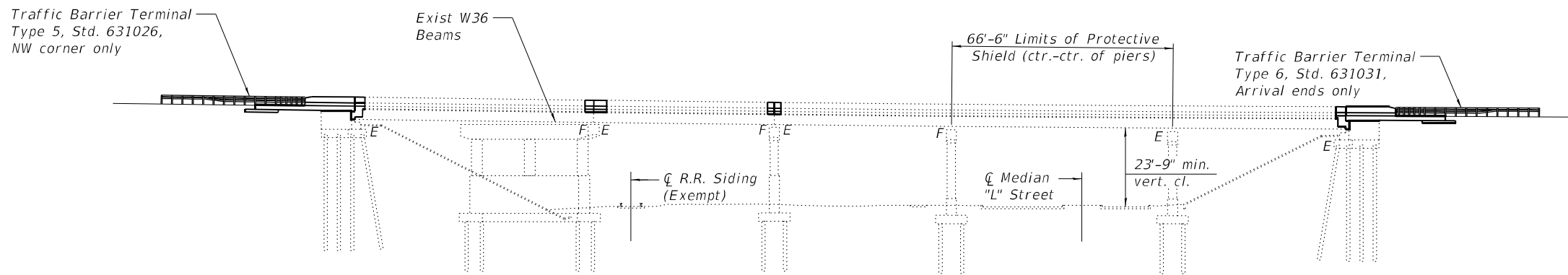
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PLOT DATE = 4/22/2022	DRAWN - JDK	REVISED -
	CHECKED - BAS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	285
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

Fasteners shall be 3/4" Ø high-strength steel bolts, unless noted otherwise.
 No field welding is permitted except as specified in the contract documents.
 Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
 As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.
 Any cracks that can not be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas, and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

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

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Synthetic Fibers shall be included in the bridge deck concrete overlay specified. See Special Provisions.

Concrete Sealer shall be applied to the repaired surface areas of Piers 1 and 2 on the westbound bridge (S.N. 092-0009).

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All new structural steel shall be hot dip galvanized except where noted otherwise. See Special Provisions for "Hot Dip Galvanizing for Structural Steel."

ELEVATION
(S.N. 092-0009, WB)

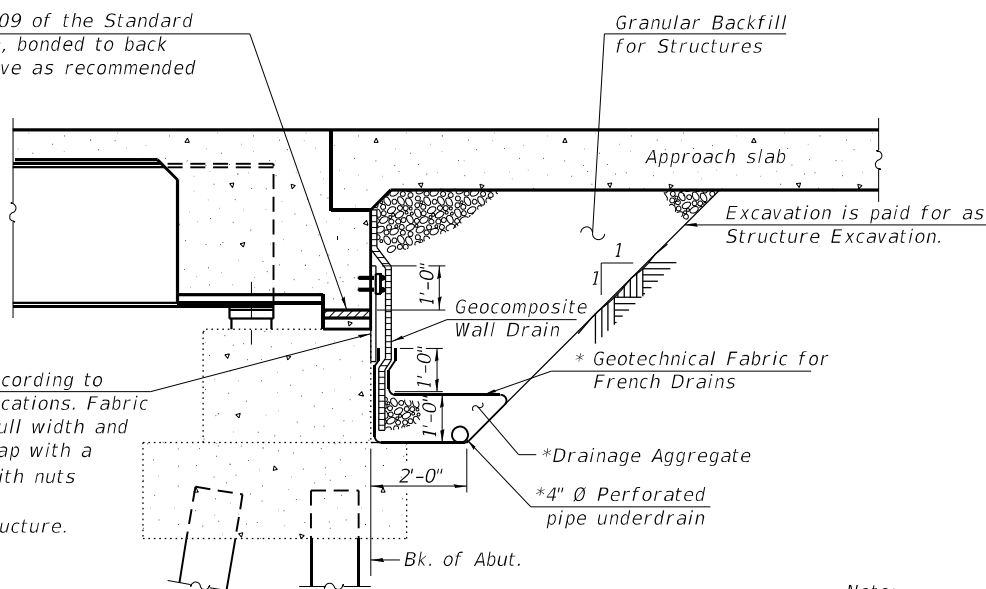
TOTAL BILL OF MATERIAL

ITEM	UNIT	-0008	-0009	TOTAL
Concrete Removal	Cu. Yd.	42.7	68.0	110.7
Protective Shield	Sq. Yd.	319	378	697
Structure Excavation	Cu Yd.	88	126	214
Concrete Structures	Cu. Yd.	36.6	46.9	83.5
Concrete Superstructure	Cu. Yd.	45.8	78.5	124.3
* Protective Coat	Sq. Yd.	1529	2073	3602
Concrete Superstructure (Approach Slab)	Cu. Yd.	121.4	144.1	265.5
Furnishing and Erecting Structural Steel	Pound	3520	4320	7840
Reinforcement Bars, Epoxy Coated	Pound	65870	68320	134190
Bar Splicers	Each	346	353	699
Preformed Joint Strip Seal	Foot		115	115
Elastomeric Bearing Assembly, Type I	Each	14	16	30
Anchor Bolts, 1"	Each	52	74	126
Temporary Sheet Piling	Sq. Ft.	189	227	416
Granular Backfill for Structures	Cu. Yd.	83	116	199
Concrete Sealer	Sq. Ft.		709	709
Geocomposite Wall Drain	Sq. Yd.	54	75	129
Pipe Underdrains for Structures 4"	Foot	126	158	284
Slope Wall Crack Sealing	Foot			84
Jack, Remove, and Reinstall Existing Bearings	Each		2	2
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	894	1521	2415
Jack and Remove Existing Bearings	Each	14	16	30
Structural Steel Removal	Pound	3360	4640	8000
Bridge Deck Latex Concrete Overlay 2 3/4"	Sq. Yd.	1197	1622	2819
Bridge Deck Scarification 3/4"	Sq. Yd.	1197	1622	2819
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	17	671	688
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.		50	50
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2	2	4
Drainage Scuppers to be Adjusted	Each		1	1
Diamond Grinding (Bridge Section)	Sq. Yd.	1342	1859	3201
Slope Wall Repair	Sq. Yd.			352
Slope Wall Slurry Pumping	Cu. Yd.			32
Temporary Shoring and Cribbing	Each		29	29

INDEX OF SHEETS

- General Plan and Elevation
- General Data
- Slope Wall Plan
- Stage Construction Details
- Temporary Concrete Barrier
- Deck Slab Repair Plan (S.N. 092-0008)
- Superstructure Details (S.N. 092-0008)
- Diaphragm Details (S.N. 092-0008)
- Deck Slab Repair Plan (S.N. 092-0009)
- Superstructure Details (S.N. 092-0009)
- Diaphragm Details (S.N. 092-0009)
- Drainage Scupper Adjustment Details
- Bridge Approach Slabs
- Preformed Joint Strip Seal
- Structural Steel
- Bearing Details
- Abutments
- Pier Repairs
- Bar Splicer Assemblies

2" PJF (per Article 1051.09 of the Standard Specifications) full width, bonded to back wall with suitable adhesive as recommended by supplier.



Fabric Reinforced Elastomeric Mat according to Section 1028 of the Standard Specifications. Fabric mat shall be 24" wide and attached full width and vertically at edges to the abutment cap with a 3/8" x 5" steel plate and 1/2" Ø studs with nuts and washers at 12" cts. Cost included with Concrete Superstructure.

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

*Included in the cost of Pipe Underdrains for Structures 4".

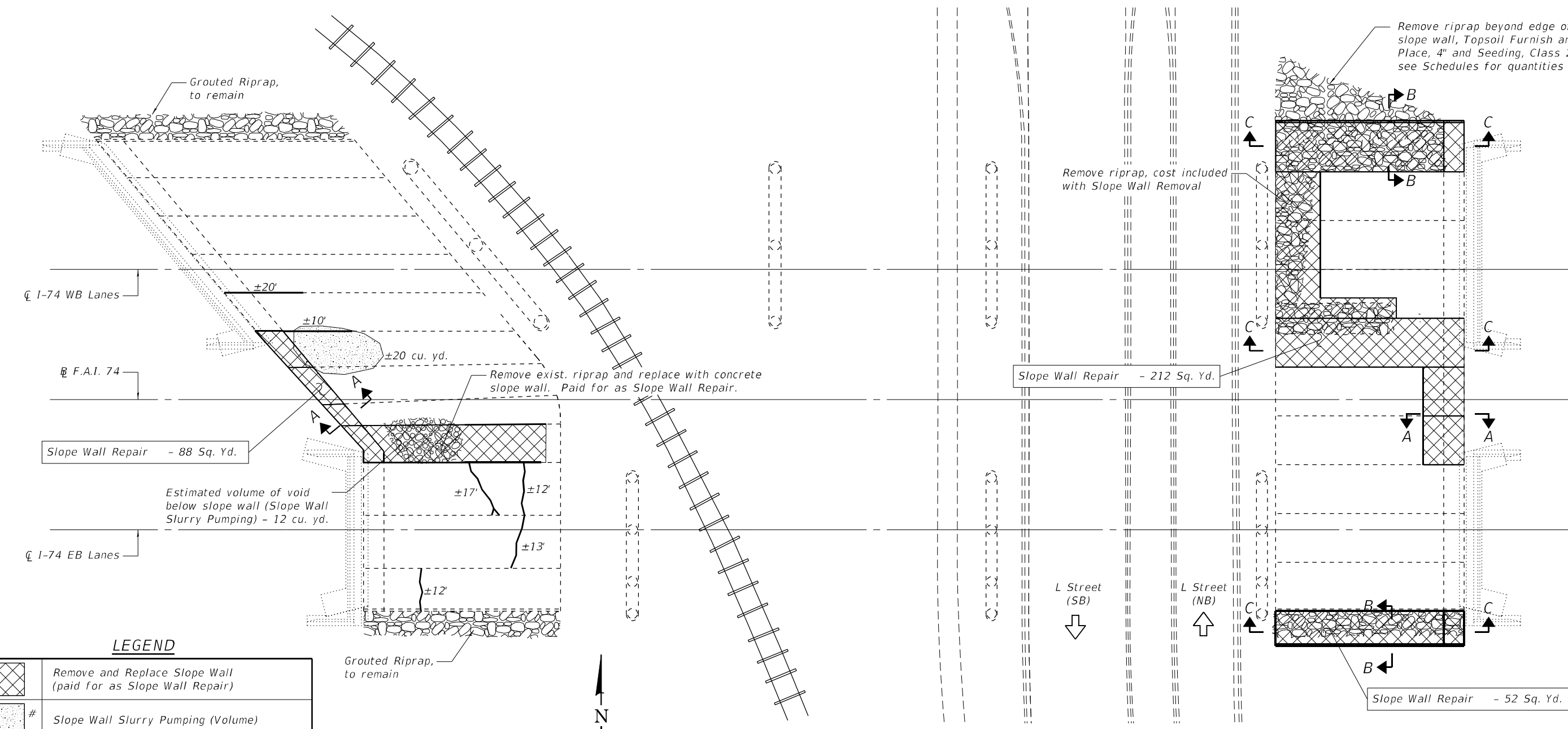
Note:
 All drainage system components shall extend between the wingwalls at each end of abutment, except an outlet pipe shall extend until intersecting with the side slopes or slope wall surface. Any slope wall removal and replacement required for the installation of the outlet pipe shall be included in the cost of Pipe Underdrains for Structures 4". The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

* On new concrete superstructure, approach slabs, and latex concrete overlay.

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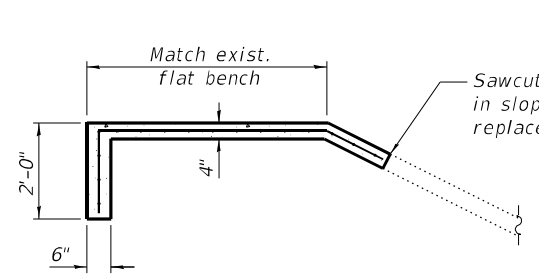
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	PLOT DATE = 4/22/2022	CHECKED - BAS	REVISED -							

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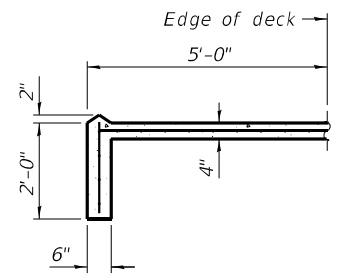


LEGEND

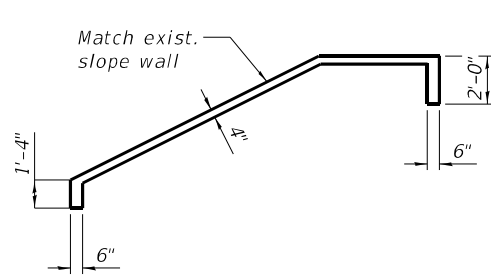
	Remove and Replace Slope Wall (paid for as Slope Wall Repair)
	Slope Wall Slurry Pumping (Volume)
	Slope Wall Crack Sealing (Length)



SECTION A-A



SECTION B-B



SECTION C-C

Notes:
 Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
 Voids below replaced slope wall shall be filled prior to placement of the new concrete slab. Existing riprap not extending above the bottom of the new concrete may remain; fill the remaining void with controlled low-strength material per the Special Provision for Slope Wall Slurry Pumping.
 The quantity provided for Crack Wall Sealing is estimated. Open joints shall be sealed at the direction of the Engineer, with the lengths and locations documented on the As-Built drawings.
 Layout and limits of the slope wall removal and repairs may be varied to suit conditions in the field as directed by the Engineer.

SLOPE WALL BILL OF MATERIAL

Item	Unit	Quantity
Slope Wall Repair	Sq. Yd.	352
Slope Wall Slurry Pumping	Sq. Yd.	32
Slope Wall Crack Sealing	Cu. Yd.	84



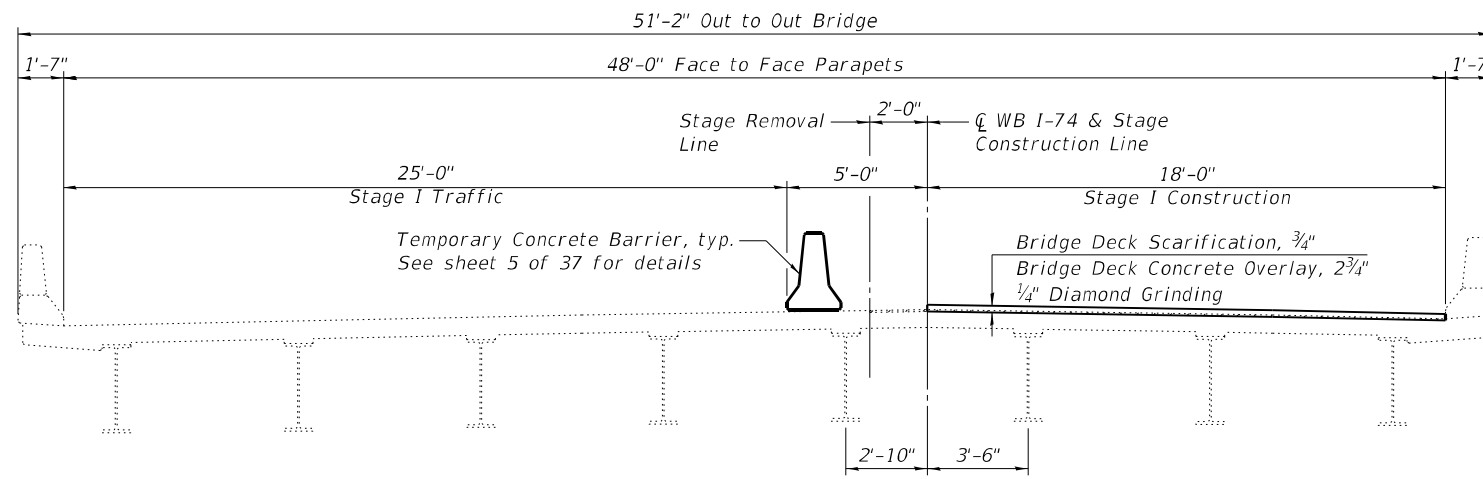
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

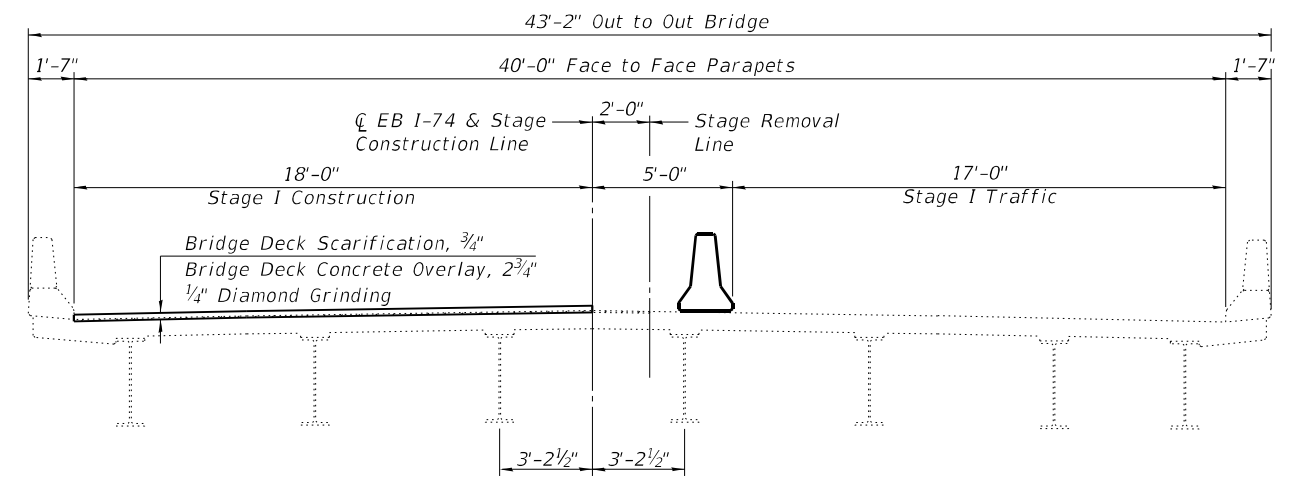
**SLOPE WALL PLAN
 STRUCTURE NO. 092-0008 & 092-0009**

SHEET NO. 3 OF 37 SHEETS

F.A.I. RTE. 74	SECTION (92-10,11,12)R	COUNTY VERMILION	TOTAL SHEETS 698	SHEET NO. 287
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

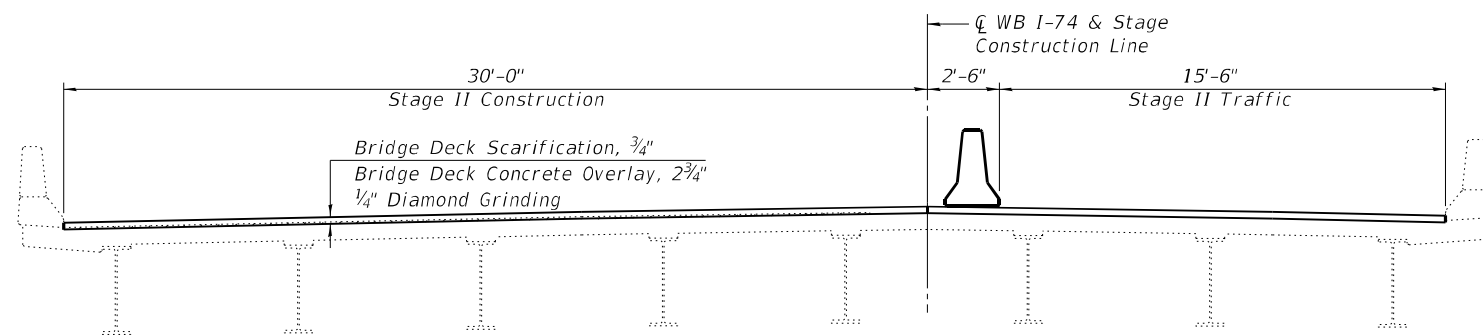


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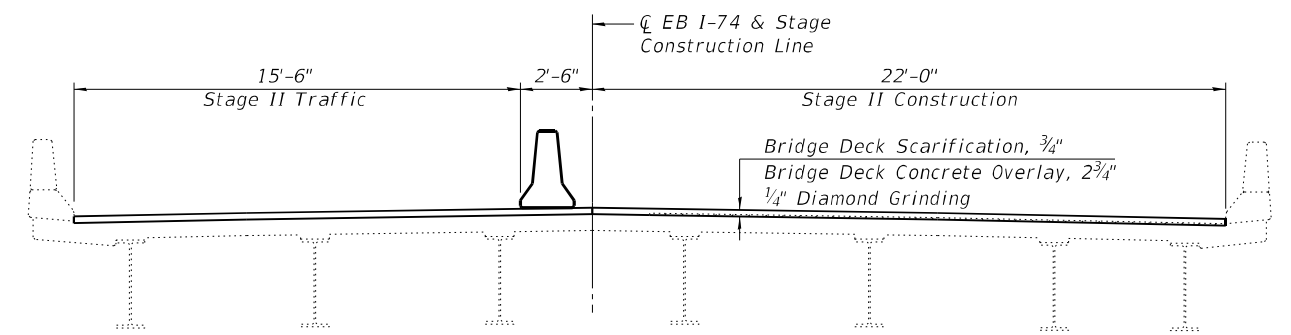


S.N. 092-0008

STAGE I CONSTRUCTION
(Looking East)



S.N. 092-0009

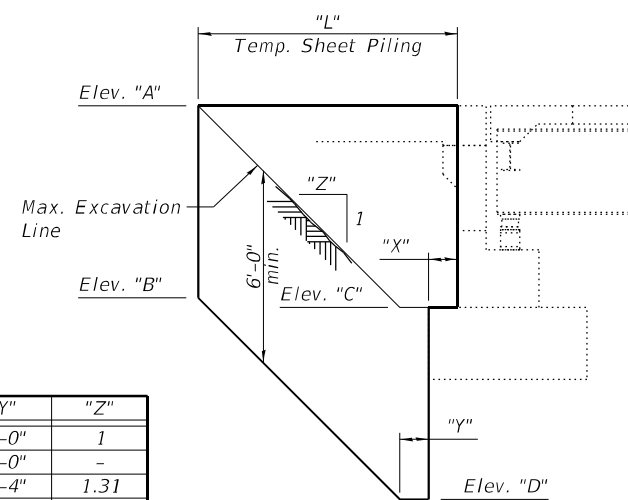


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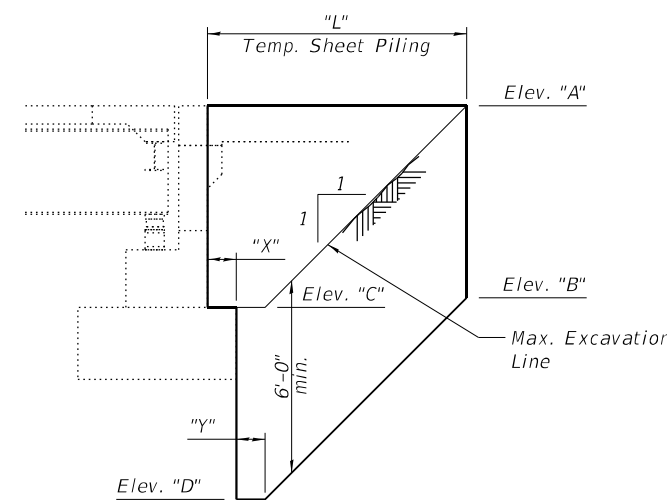
STAGE II CONSTRUCTION
(Looking East)

Notes:

Sheet piling shall have a minimum section modulus of 3.4 in³/ft.
 If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
 The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.



WEST ABUTMENT



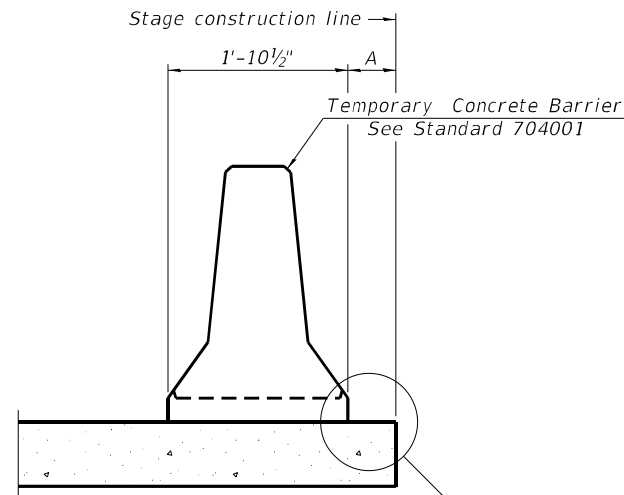
EAST ABUTMENT

TEMPORARY SHEET PILING
(Looking North)

TEMPORARY SHEET PILING DIMENSIONS

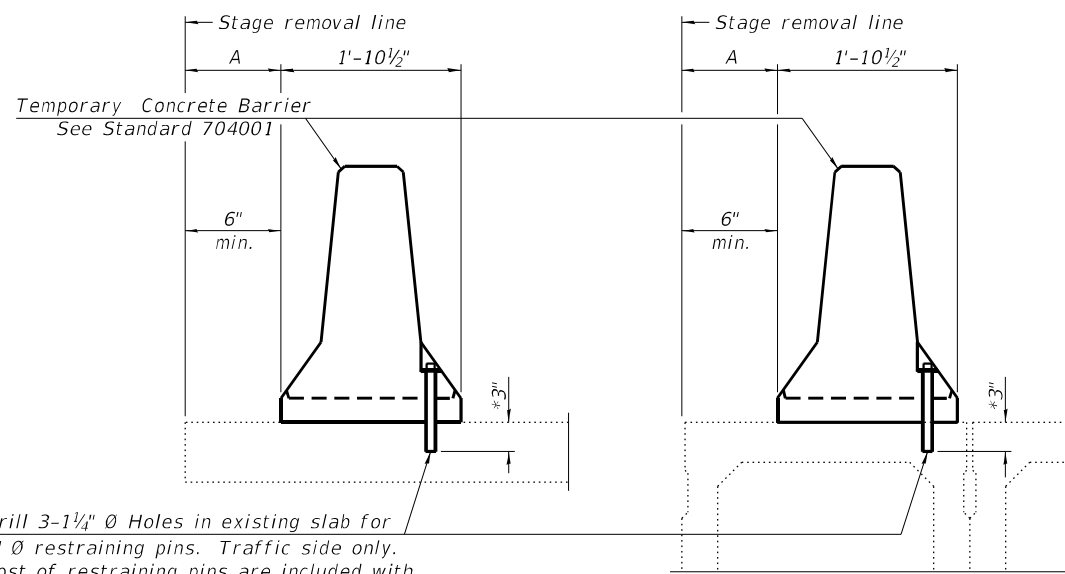
Location	"A"	"B"	"C"	"D"	"L"	"X"	"Y"	"Z"
EB Bridge, W. Abut.	669.82	663.82	662.52	656.52	9'-4"	1'-0"	1'-0"	1
EB Bridge, E. Abut.	667.02	661.02	659.32	653.32	9'-9"	1'-0"	1'-0"	-
WB Bridge, W. Abut.	670.07	663.07	662.52	656.52	12'-6"	1'-3 5/8"	1'-4"	1.31
WB Bridge, E. Abut.	666.96	660.96	659.32	653.32	9'-9"	1'-0"	1'-0"	-

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When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

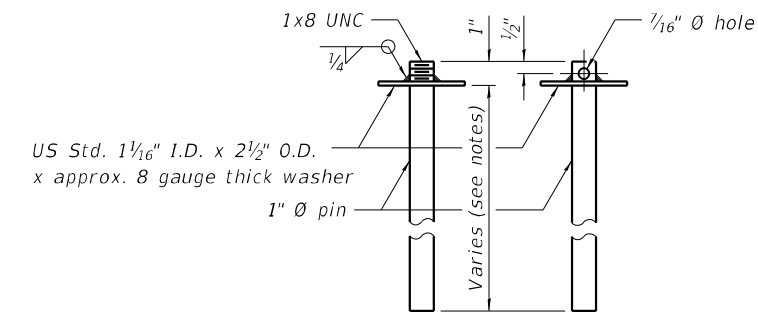
NEW SLAB OR NEW DECK BEAM



Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

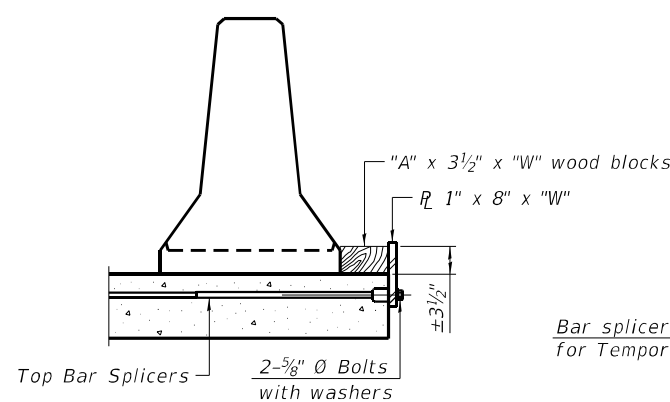
EXISTING DECK BEAM



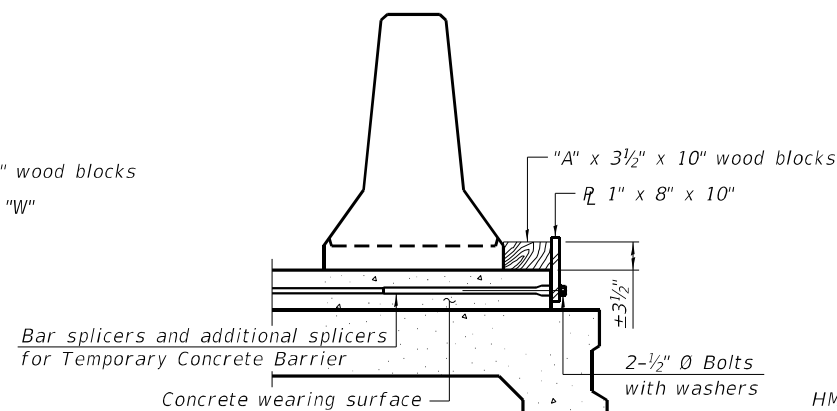
RESTRAINING PIN

* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

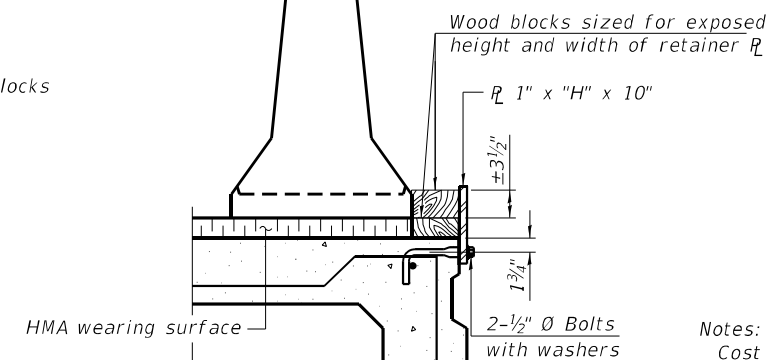
SECTIONS THRU SLAB OR DECK BEAM



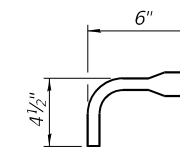
DETAIL I



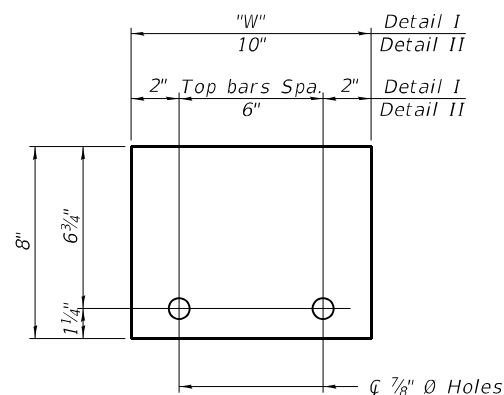
DETAIL II



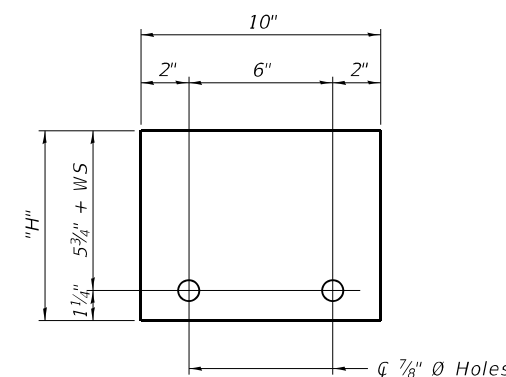
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W" (Detail I and II)



STEEL RETAINER R 1" x "H" x 10" (Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate center of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 10-12-2021

MODEL: Default
 FILE NAME: S:\237\2019\12\19020.00 (193-026 DS 1-74 Danville)\CADD\CADD Sheets\70A29-0920008-005-Temp Conc Barrier.dgn

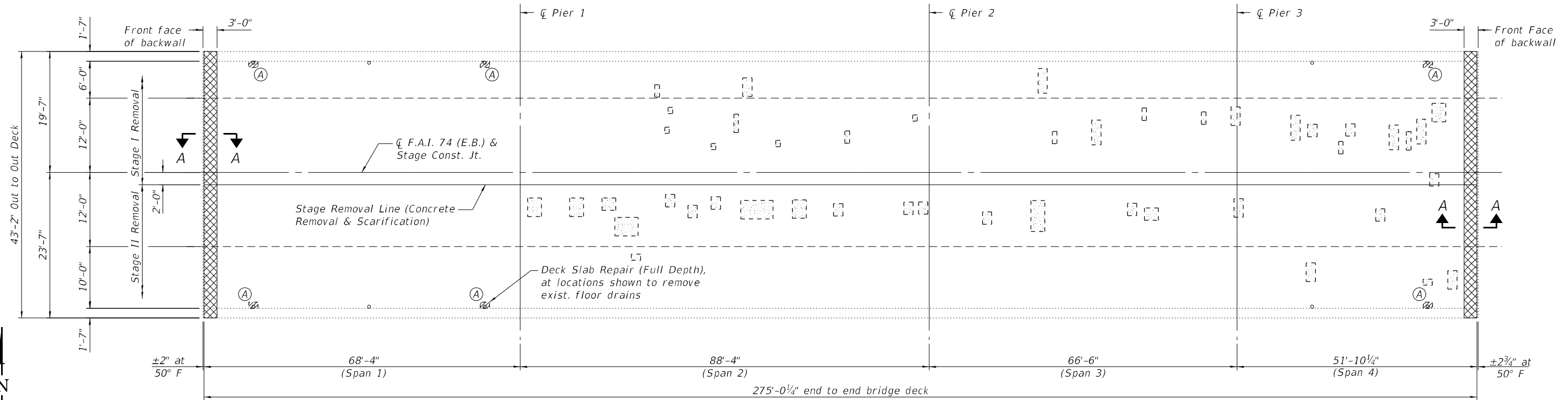
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	PLOT SCALE =	CHECKED - LVM	REVISED -
	PLOT DATE = 4/22/2022	DRAWN - JDK	REVISED -
		CHECKED - BAS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
 STRUCTURE NO. 092-0008 & 092-0009

SHEET NO. 5 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	289
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



LEGEND

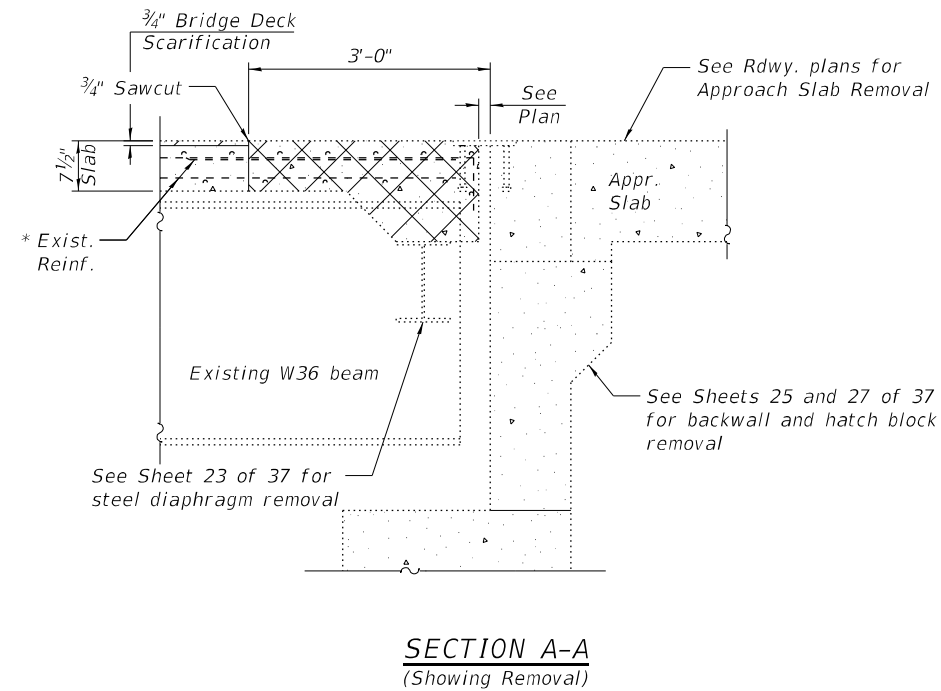
	Deck Slab Repair (Partial Depth) (For Information Only)
	Deck Slab Repair (Full Depth)
	Concrete Removal

PLAN - DECK SLAB REPAIRS

* 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.

DECK SLAB REPAIR TABLE

Label	Size	Plan Qty.			As Built	
		Deck Slab Repair (Part. Depth)	Deck Slab Repair (FD Type I)	Deck Slab Repair (FD Type II)	Deck Slab Repair (FD Type I)	Deck Slab Repair (FD Type II)
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	1' x 2' x 6 Loc.		12			
	Span 2, Stage I	18				
	Span 2, Stage II	95				
	Span 3, Stage I	18				
	Span 3, Stage II	29				
	Span 4, Stage I	52				
	Span 4, Stage II	28				
Totals		240	12			



Notes:
 See Sheet 8 of 37 for cross section thru bridge deck.
 Deck survey performed on December 17, 2020. Locations and sizes shown in the plan view are approximate.
 Deck Slab Repair (Partial Depth) is an estimated quantity per the deck survey. This area shall not be paid for separately, but shall be addressed as stated in the Special Provision for Bridge Deck Latex Concrete Overlay.
 Actual size and locations of full-depth patches shall be shown on this sheet and documented in the Deck Slab Repair Table under "As Built".

**DECK SLAB (S.N. 092-0008)
BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2
Bridge Deck Scarification 3/4"	Sq. Yd.	1197
Bridge Deck Latex Concrete Overlay, 2 3/4 Inches	Sq. Yd.	1197

(Sheet 1 of 4)

MODEL: Default
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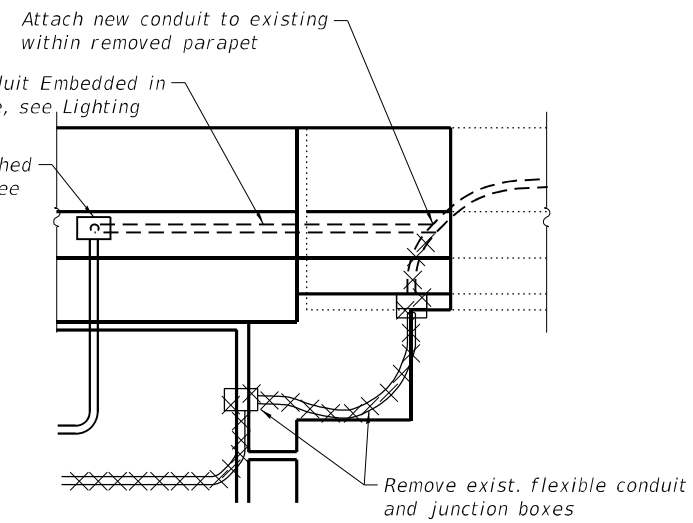
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIR PLAN
STRUCTURE NO. 092-0008**
 SHEET NO. 6 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	290
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

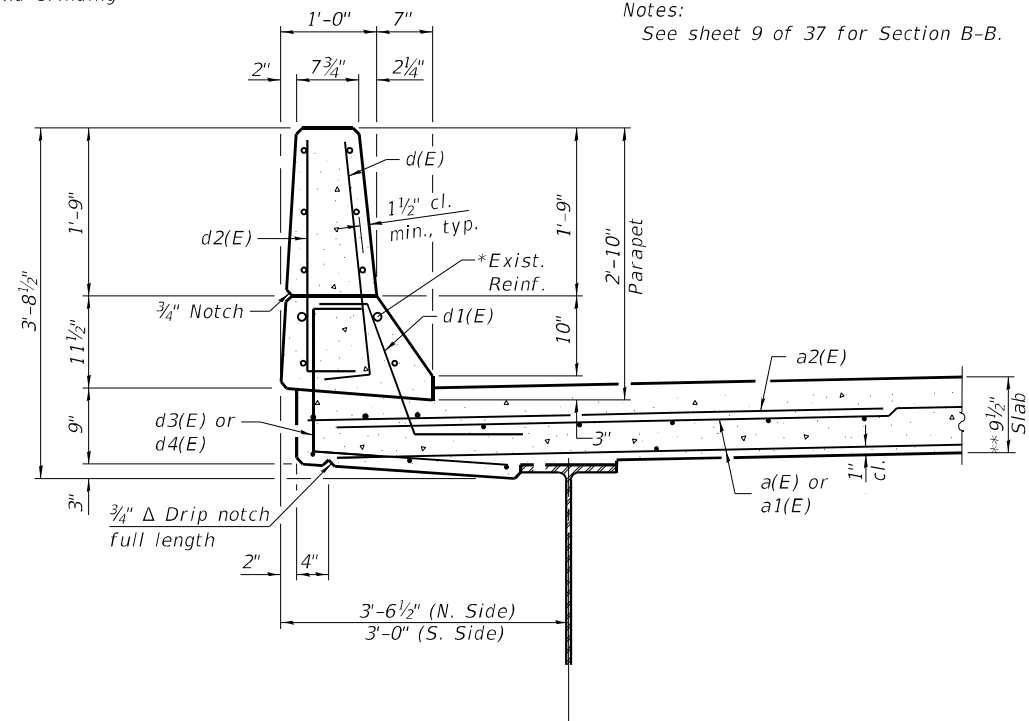
**SUPERSTRUCTURE
STR. NO. 092-0008
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	24	#5	18'-9"	—
a1(E)	24	#5	22'-9"	—
a2(E)	12	#6	6'-0"	—
d(E)	16	#5	3'-0"	┌
d1(E)	16	#5	2'-7"	┌
d2(E)	16	#4	3'-0"	┌
d3(E)	8	#4	4'-4"	┌
d4(E)	8	#4	3'-10"	┌
m(E)	10	#6	19'-3"	—
m1(E)	10	#6	23'-3"	—
m2(E)	16	#6	6'-0"	—
m3(E)	16	#6	6'-0"	—
m4(E)	4	#6	4'-2"	—
m5(E)	4	#6	4'-2"	—
m6(E)	8	#6	3'-2"	—
m7(E)	8	#6	2'-7"	—
m8(E)	4	#4	19'-3"	—
m9(E)	4	#4	23'-3"	—
m100(E)	42	#6	5'-0"	—
s(E)	96	#5	7'-7"	U
s1(E)	80	#5	8'-10"	U
u(E)	96	#4	5'-6"	U
v(E)	88	#5	3'-1"	┌
Reinforcement Bars, Epoxy Coated			Pound	4920
Concrete Superstructure			Cu. Yd.	39.9
Concrete Removal			Cu. Yd.	8.1
Structure Repair of Concrete (Depth ≤ 5")			Sq. Ft.	4



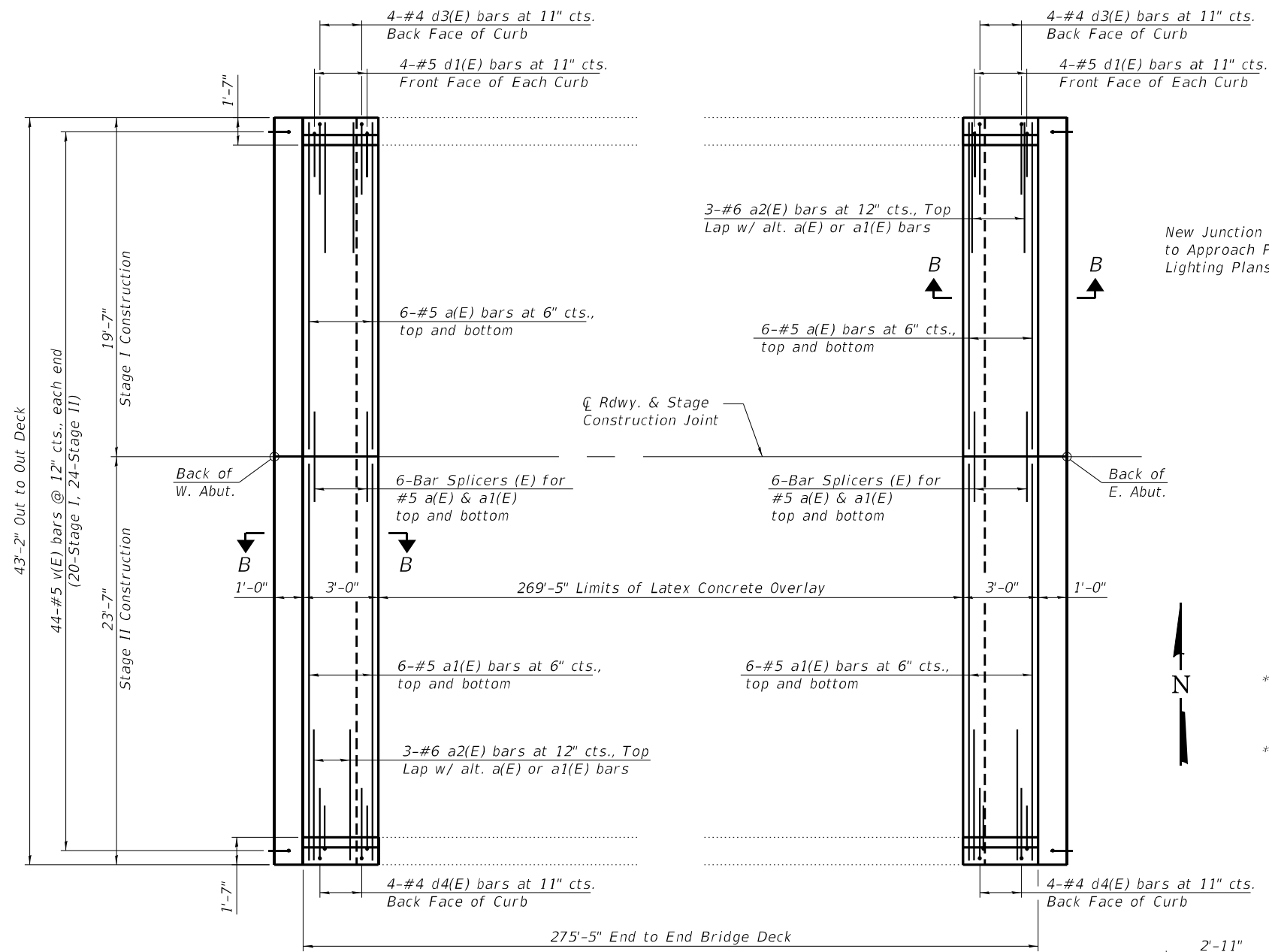
CONDUIT AT ABUTMENT JOINT
(South Parapet, Looking North)
(East Abut. Shown, West Abut. opposite)

* Straighten, clean, and incorporate existing horizontal parapet reinforcement into new construction. Cost included with Concrete Removal.
** Prior to 1/4" Diamond Grinding

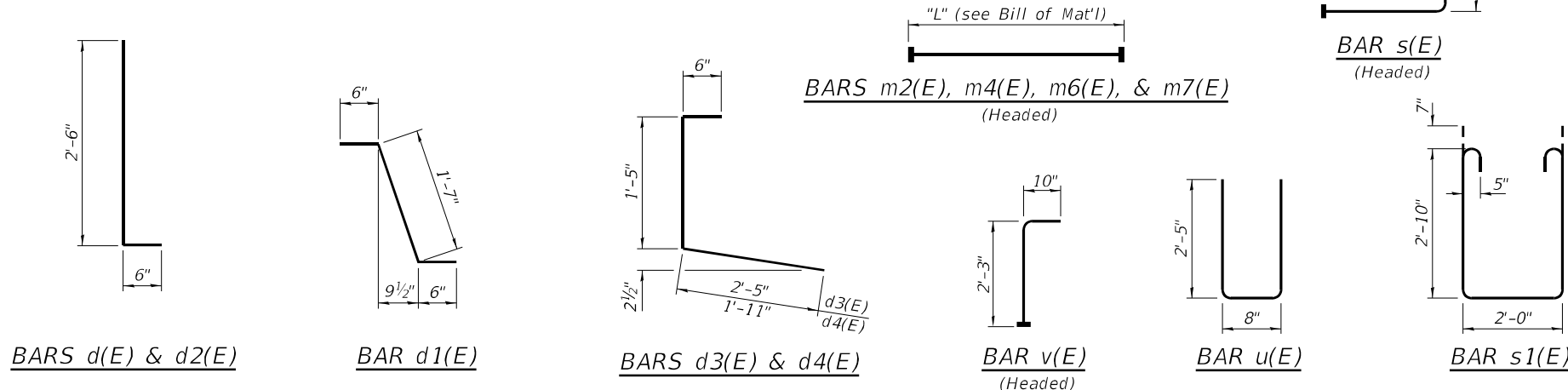


SECTION THRU PARAPET

(Sheet 2 of 4)



PLAN - DECK AT ABUTMENTS



BARS d(E) & d2(E)

BAR d1(E)

BARS d3(E) & d4(E)

BAR v(E)
(Headed)

BAR u(E)

BAR s1(E)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

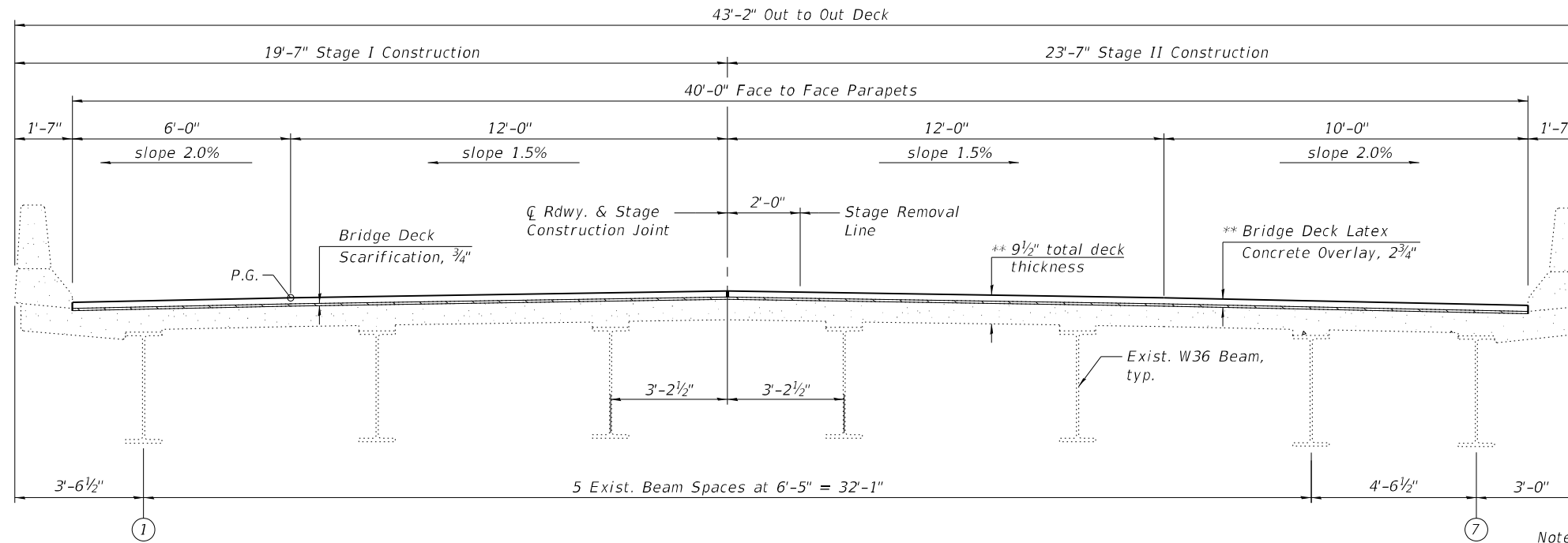
**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 092-0008**

SHEET NO. 7 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	291
CONTRACT NO. 70A29				

ILLINOIS FED. AID PROJECT

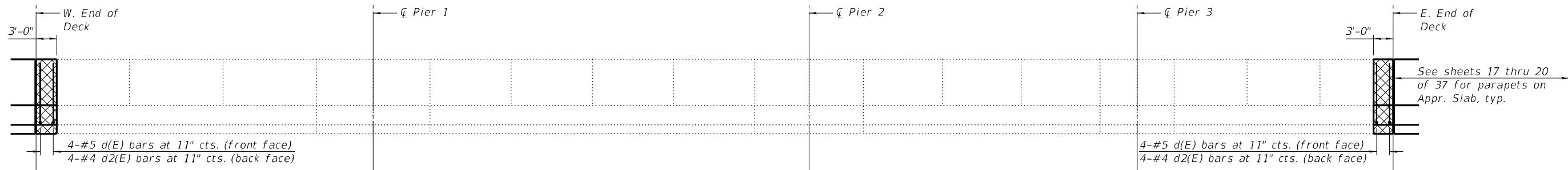
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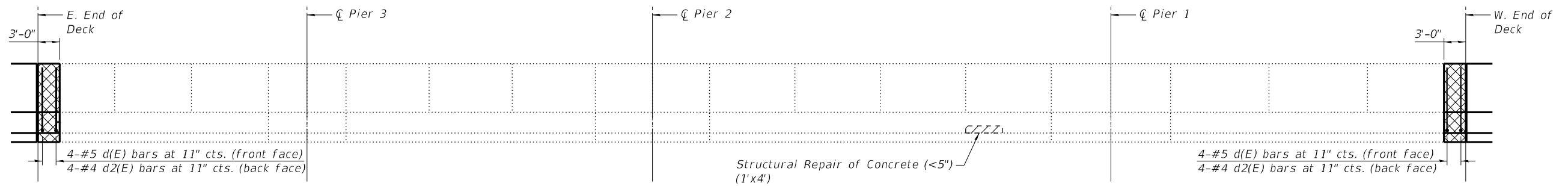
CROSS SECTION
(Looking East)

** Prior to 1/4" Diamond Grinding

Notes:
See sheet 7 of 37 for Bill of Material, Section Thru Parapet, and bar details.
Cross-hatched areas on parapets indicate Concrete Removal and replacement with Concrete Superstructure.



NORTH PARAPET ELEVATION
(Looking North)



SOUTH PARAPET ELEVATION
(Looking South)

(Sheet 3 of 4)

MODEL: Default
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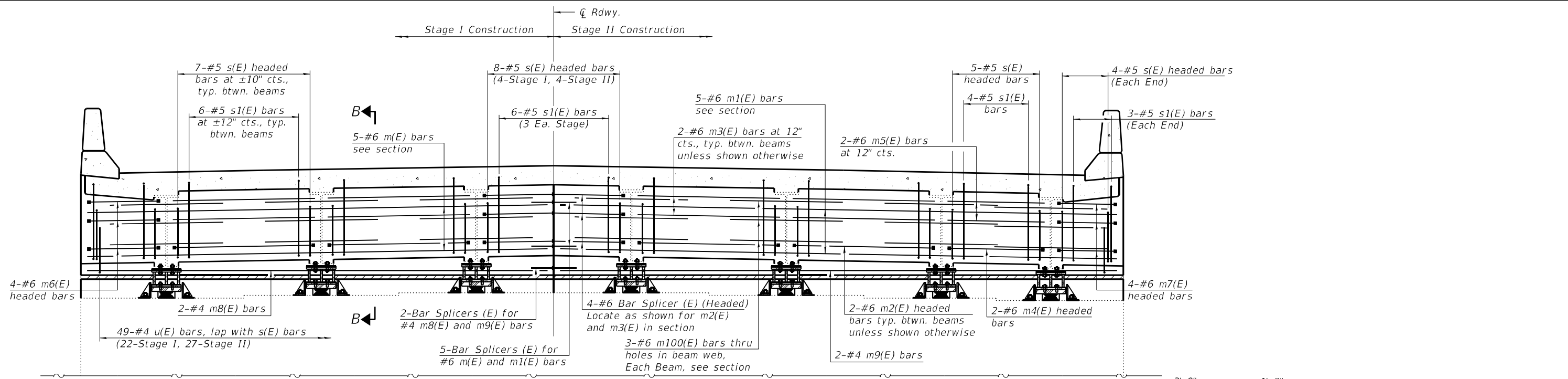
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		CHECKED - BAS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 092-0008

SHEET NO. 8 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	292
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				

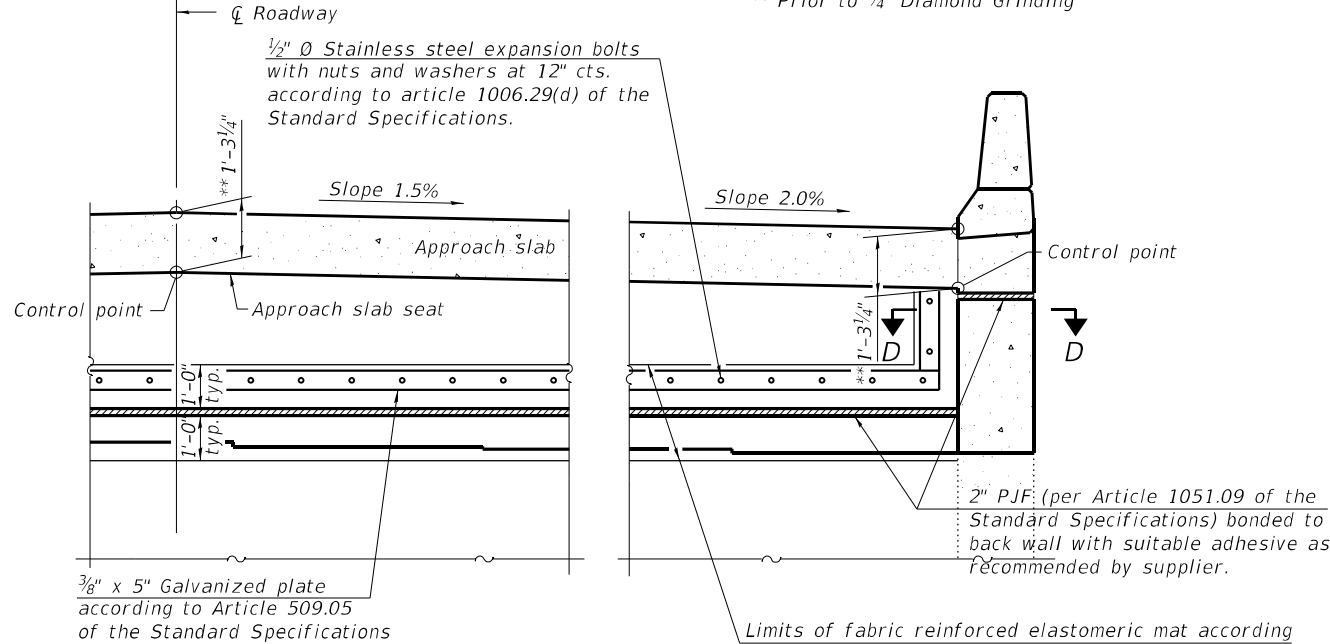


Notes:

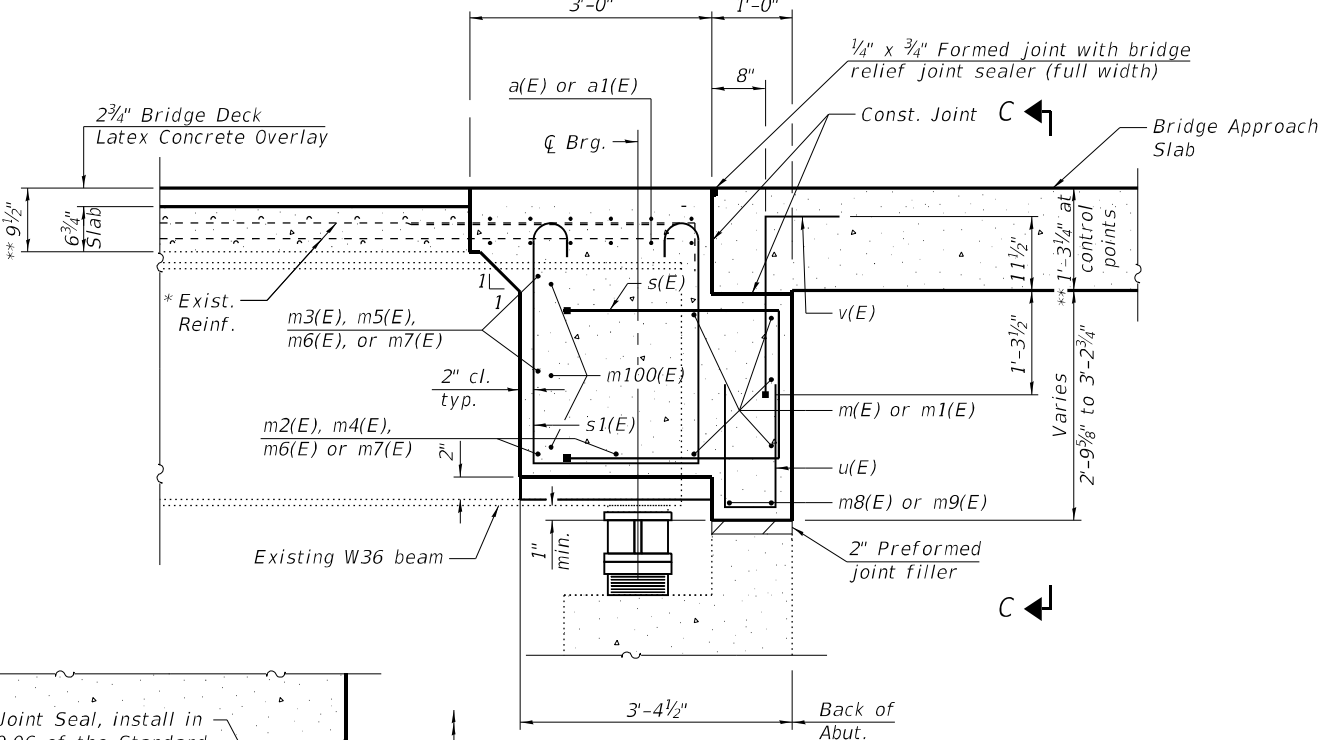
See sheet 7 of 37 for Bill of Material, bar details, and reinforcement in the bridge deck over the diaphragm.
 The approach slab seat shall have a constant slope determined from the control points shown.
 See sheet 23 of 37 for hole locations thru beam web.

DIAPHRAGM AT ABUTMENT
 (East abutment shown,
 West abutment opposite)

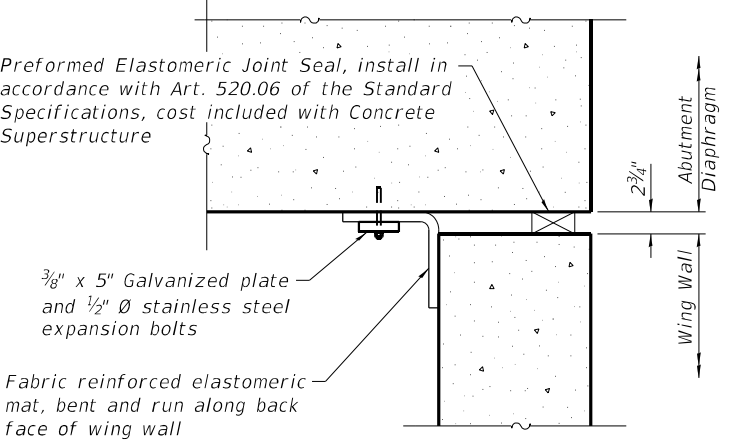
* Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 ** Prior to 1/4" Diamond Grinding



VIEW C-C



SECTION B-B
 (Showing Proposed)



SECTION D-D

(Sheet 4 of 4)

MODEL: Default
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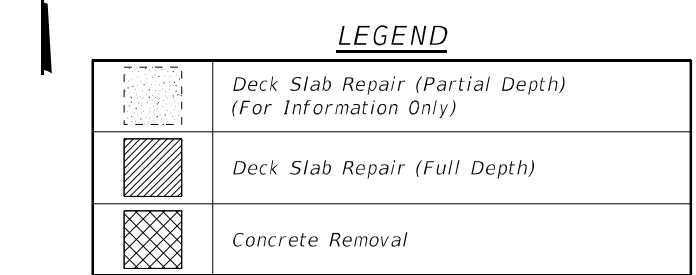
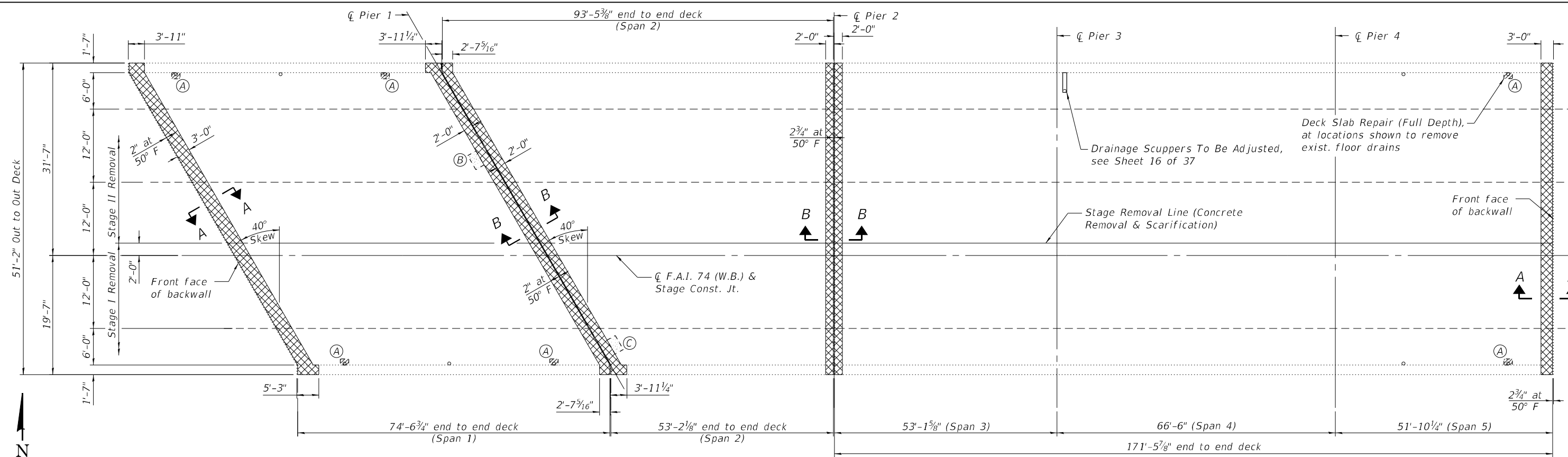
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PLOT SCALE =	CHECKED - LVM	REVISED -
PLOT DATE = 4/22/2022	DRAWN - JDK	REVISED -
	CHECKED - BAS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NO. 092-008

SHEET NO. 9 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11.12)R	VERMILION	698	293
CONTRACT NO. 70A29				
ILLINOIS FED. AID PROJECT				



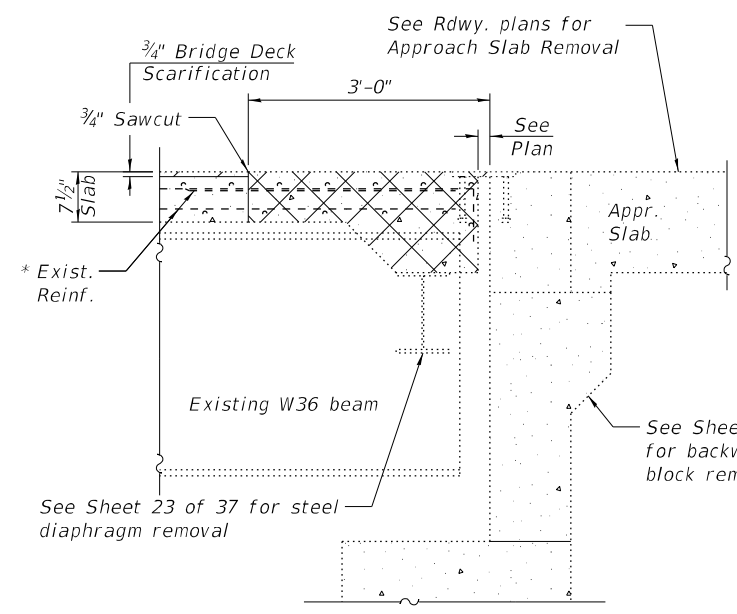
PLAN - DECK SLAB REPAIRS

* 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.

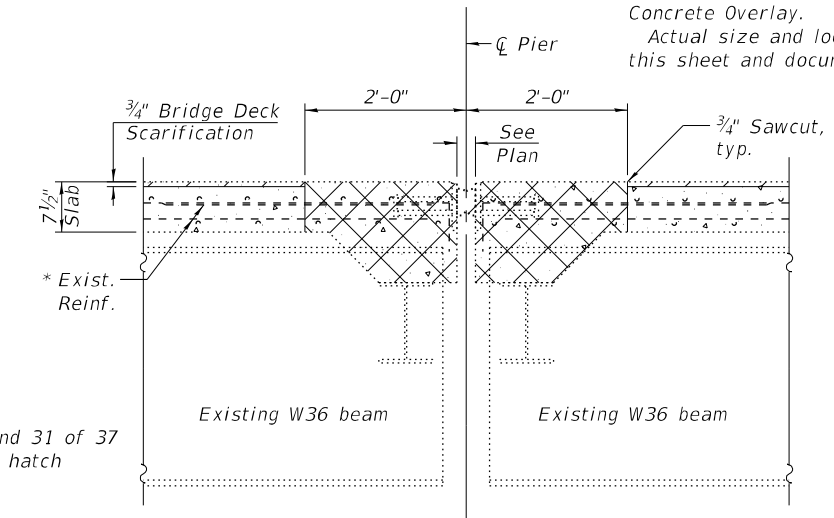
Notes:
 See Sheet 13 of 37 for cross section thru bridge deck.
 Deck survey performed on December 15, 2020. Locations and sizes shown in the plan view are approximate.
 Deck Slab Repair (Partial Depth) is an estimated quantity per the deck survey. This area shall not be paid for separately, but shall be addressed as stated in the Special Provision for Bridge Deck Latex Concrete Overlay.
 Actual size and locations of full-depth patches shall be shown on this sheet and documented in the provided tables under "As Built".

DECK SLAB REPAIR TABLE

Label	Size	Plan Qty.			As Built	
		Deck Slab Repair (Part. Depth)	Deck Slab Repair (FD Type I)	Deck Slab Repair (FD Type II)	Deck Slab Repair (FD Type I)	Deck Slab Repair (FD Type II)
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	1' x 2' x 6 Loc.		12			
B	2' x 3'	6				
C	2' x 3'	6				
Totals		12	12			



SECTION A-A
 (Showing Removal)
 (Dims. at RT L's to end of deck)



SECTION B-B
 (Showing Removal)
 (Dims. at RT L's to end of deck)

DECK SLAB (S.N. 092-0009)
BILL OF MATERIAL

Item	Unit	Quantity
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2
Bridge Deck Scarification 3/4"	Sq. Yd.	1622
Bridge Deck Latex Concrete Overlay, 2 3/4 Inches	Sq. Yd.	1622

(Sheet 1 of 6)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

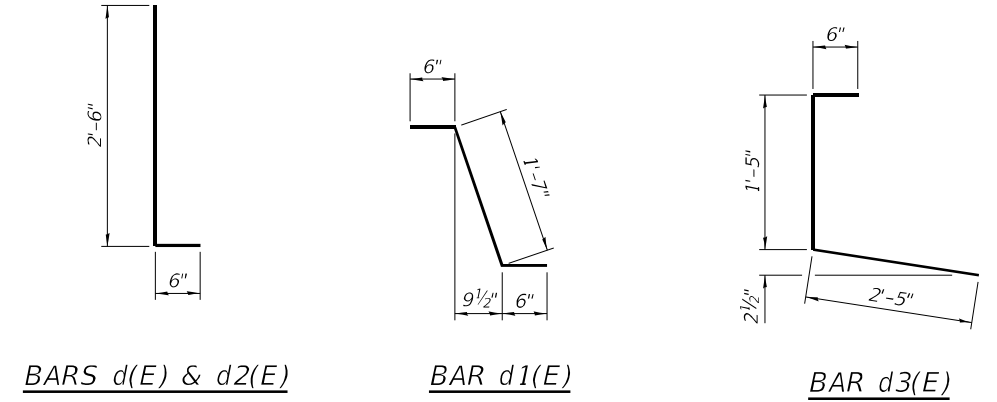
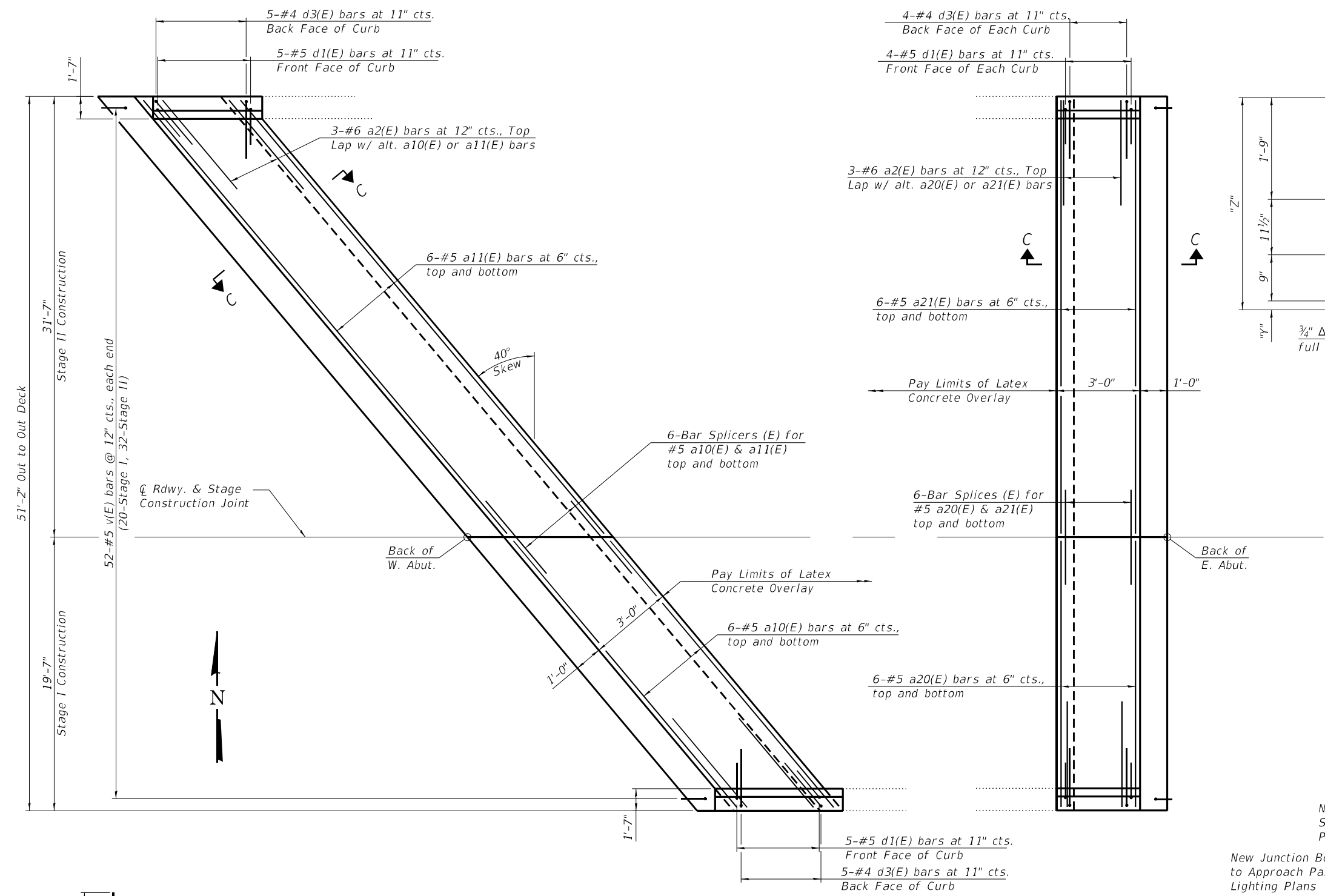
DECK SLAB REPAIR PLAN
STRUCTURE NO. 092-0009

SHEET NO. 10 OF 37 SHEETS

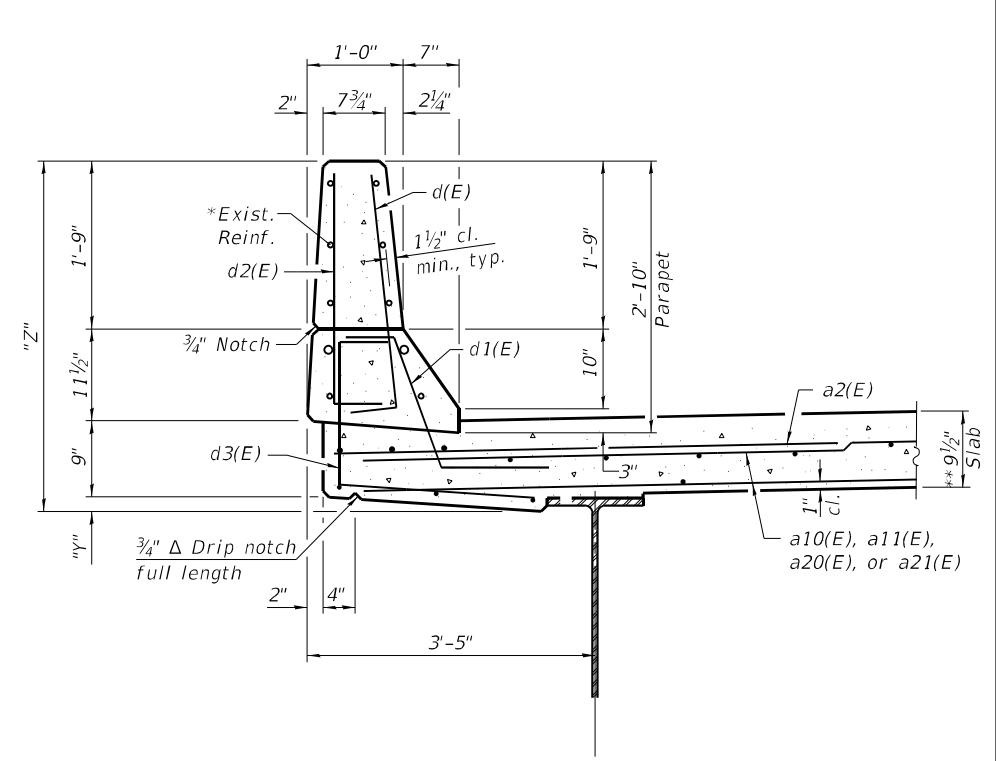
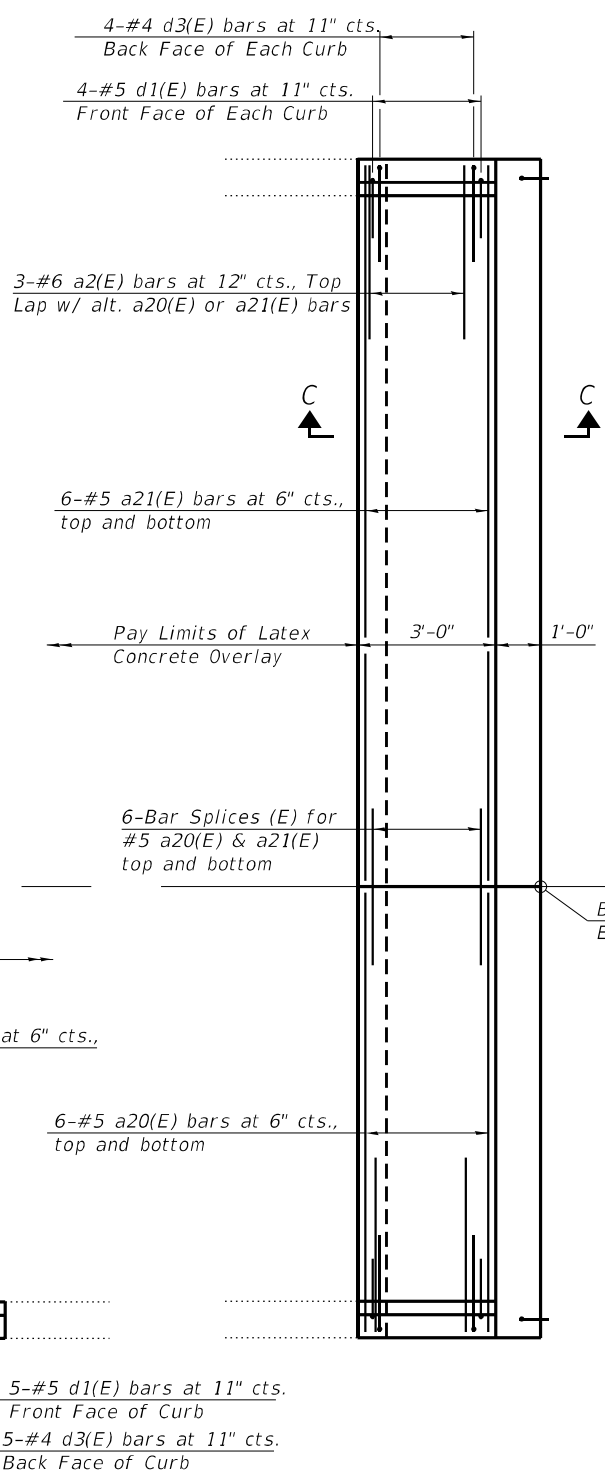
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11,12)R	VERMILION	698	294
CONTRACT NO. 70A29				

ILLINOIS FED. AID PROJECT

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PLAN - DECK AT ABUTMENTS

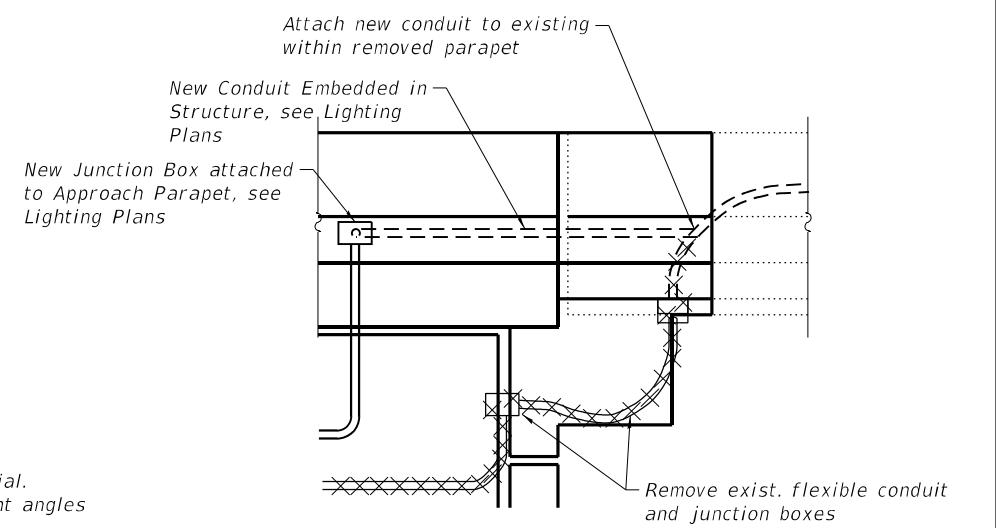


SECTION THRU PARAPET

Y & Z DIMENSIONS

Location	Y	Z
Span 1, N&S Sides	3 1/8"	3'-8 3/8"
Span 2, N Side	4 3/4"	3'-10 1/4"
Span 2, S Side	1 3/4"	3'-7 1/4"
Spans 3-5, N&S Sides	2 1/4"	3'-7 3/4"

* Straighten, clean, and incorporate existing horizontal parapet reinforcement into new construction. Cost included with Concrete Removal.
 ** Prior to 1/4" Diamond Grinding



CONDUIT AT ABUTMENT JOINT

(North Parapet, Looking South)
 (West Abut. shown, East Abut. opposite)

Notes:
 See sheet 15 of 37 for Section C-C.
 See sheet 12 of 37 for Bill of Material.
 Spacing for v(E) bars shall be at right angles to \bar{C} Rdwy.

(Sheet 2 of 6)



USER NAME = baswanson	DESIGNED - BAS	REVISED -
PLOT SCALE =	CHECKED - LVM	REVISED -
PLOT DATE = 4/22/2022	DRAWN - JDK	REVISED -
	CHECKED - BAS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 092-0009

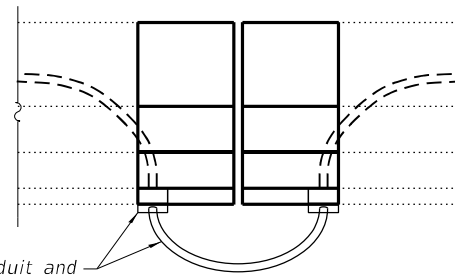
SHEET NO. 11 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	295
CONTRACT NO. 70A29				

ILLINOIS FED. AID PROJECT

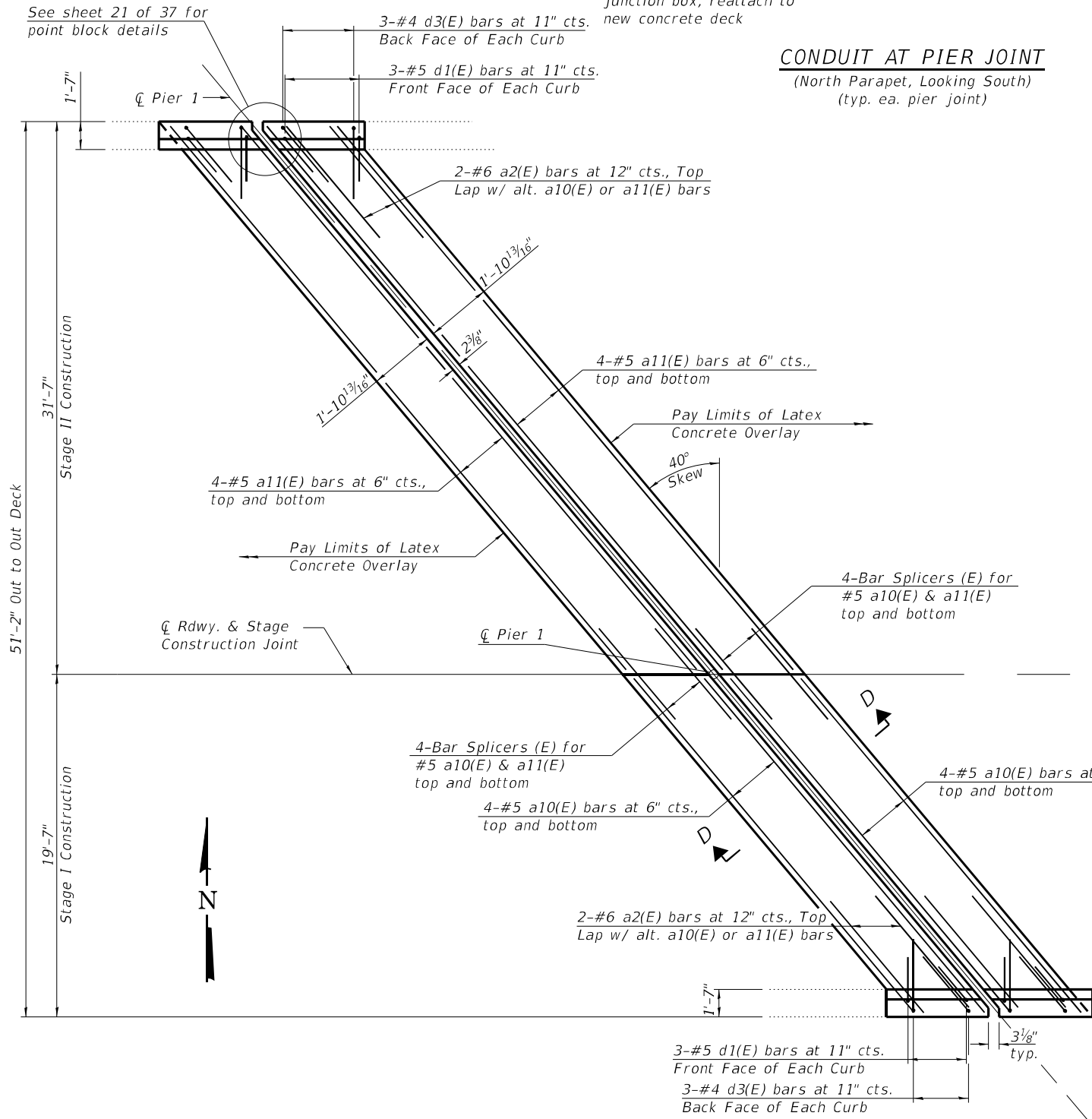
* Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

** Prior to 1/4" Diamond Grinding

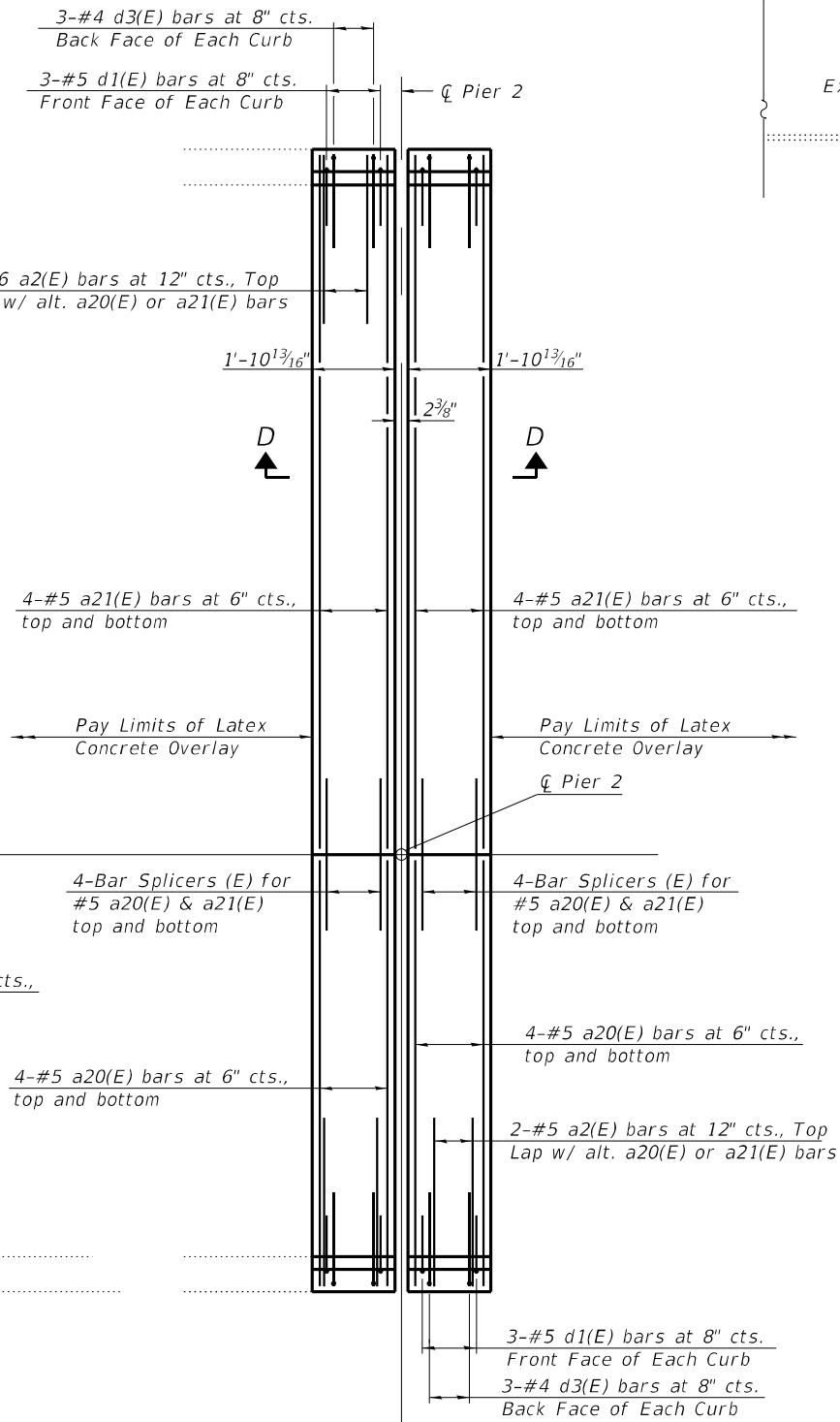


Salvage exist. conduit and junction box, reattach to new concrete deck

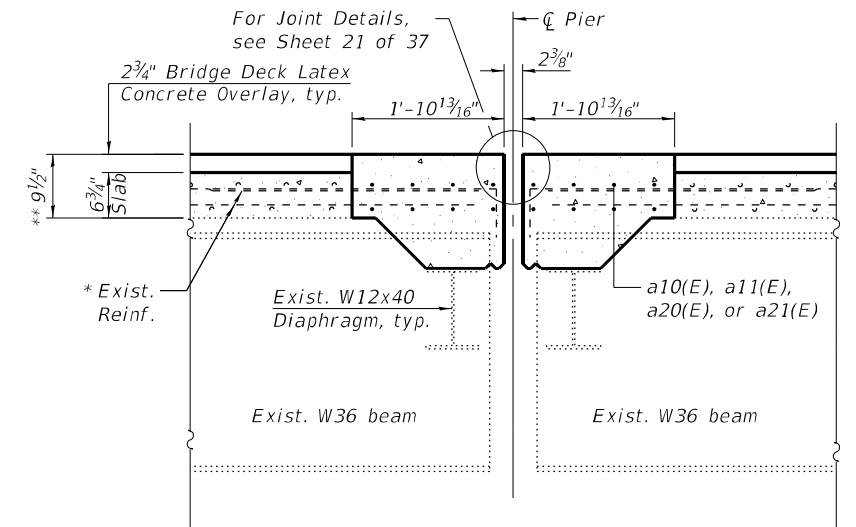
CONDUIT AT PIER JOINT
(North Parapet, Looking South)
(typ. ea. pier joint)



PLAN - DECK AT PIER JOINTS



PLAN - DECK AT PIER JOINTS



SECTION D-D
(Showing Proposed)
(Dims. at RT L's to end of deck)

SUPERSTRUCTURE STR. NO. 092-0009 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a2(E)	28	#6	6'-0"	▬
a10(E)	28	#5	24'-5"	▬
a11(E)	28	#5	40'-1"	▬
a20(E)	28	#5	18'-9"	▬
a21(E)	28	#5	30'-9"	▬
d(E)	47	#5	3'-0"	┌┐
d1(E)	42	#5	2'-7"	┌┐
d2(E)	47	#4	3'-0"	┌┐
d3(E)	42	#4	4'-4"	┌┐
m10(E)	5	#6	25'-2"	▬
m11(E)	5	#6	40'-10"	▬
m12(E)	12	#6	7'-10"	▬
m13(E)	12	#6	7'-10"	▬
m16(E)	8	#6	4'-0"	▬
m18(E)	2	#4	25'-2"	▬
m19(E)	2	#4	40'-10"	▬
m20(E)	5	#6	19'-3"	▬
m21(E)	5	#6	31'-3"	▬
m22(E)	12	#6	5'-11"	▬
m23(E)	12	#6	5'-11"	▬
m26(E)	8	#6	3'-0"	▬
m28(E)	2	#4	19'-3"	▬
m29(E)	2	#4	31'-3"	▬
m100(E)	48	#6	5'-0"	▬
s(E)	57	#5	7'-7"	▬
s1(E)	48	#5	8'-10"	▬
s10(E)	73	#5	9'-3"	▬
s11(E)	48	#5	9'-6"	▬
u(E)	57	#4	5'-6"	▬
u10(E)	73	#4	5'-8"	▬
v(E)	104	#5	3'-1"	┌┐
Reinforcement Bars, Epoxy Coated		Pound	9020	
Concrete Superstructure		Cu. Yd.	72.6	
Concrete Removal		Cu. Yd.	27.1	

(Sheet 3 of 6)

MODEL: Default
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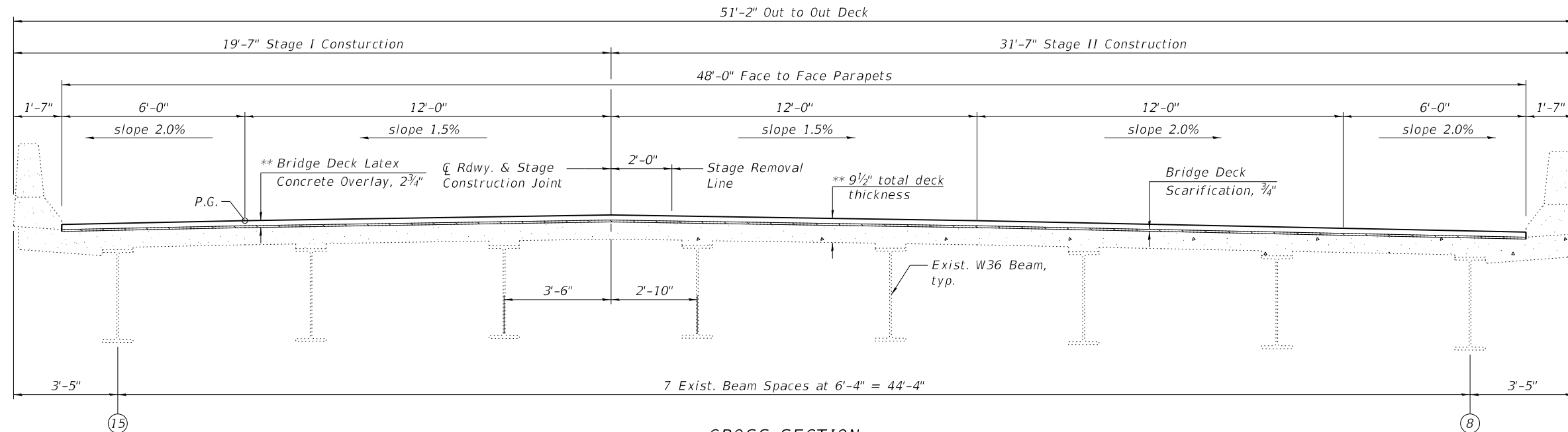
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 092-0009

SHEET NO. 12 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	296
CONTRACT NO. 70A29				

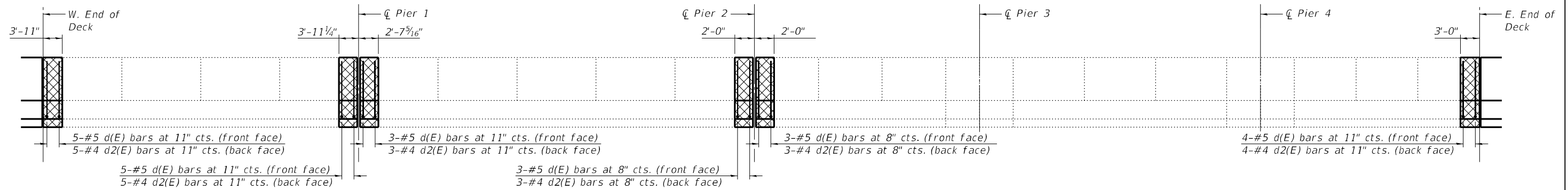
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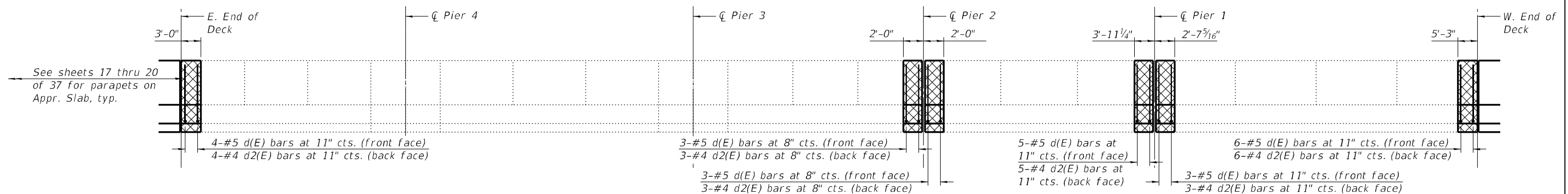
CROSS SECTION
(Looking West)

** Prior to 1/4" Diamond Grinding

Notes:
See sheet 12 of 37 for Bill of Material.
See sheet 11 of 37 for Section Thru Parapet and bar details.
Cross-hatched area on parapets indicate Concrete Removal and replacement with Concrete Superstructure



NORTH PARAPET ELEVATION
(Looking North)



SOUTH PARAPET ELEVATION
(Looking South)

(Sheet 4 of 6)

MODEL: Default
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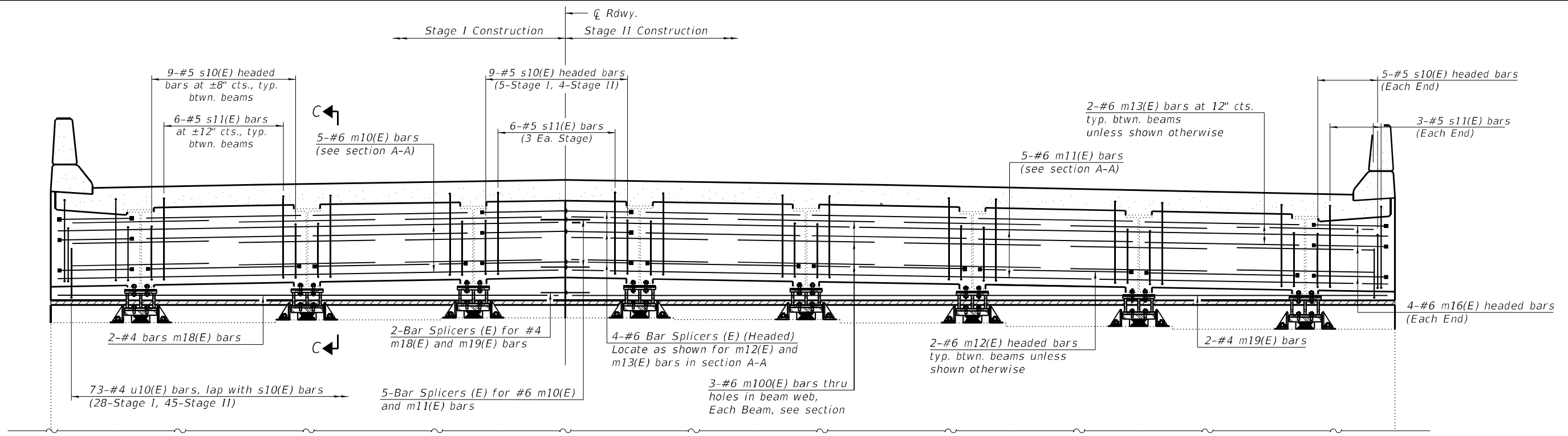
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 092-0009

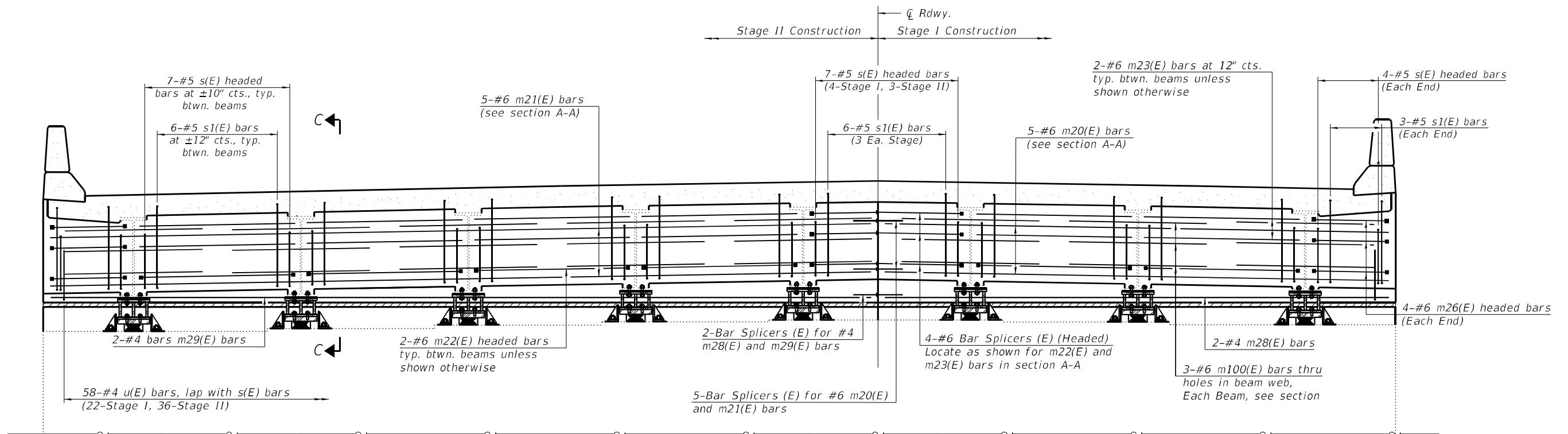
SHEET NO. 13 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	297
CONTRACT NO. 70A29				

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DIAPHRAGM AT WEST ABUTMENT



DIAPHRAGM AT EAST ABUTMENT

Notes:
 See sheet 15 of 37 for Section C-C.
 See sheet 12 of 37 for Bill of Material.
 See sheet 23 of 37 for hole locations thru beam web.

(Sheet 5 of 6)

MODEL: Default
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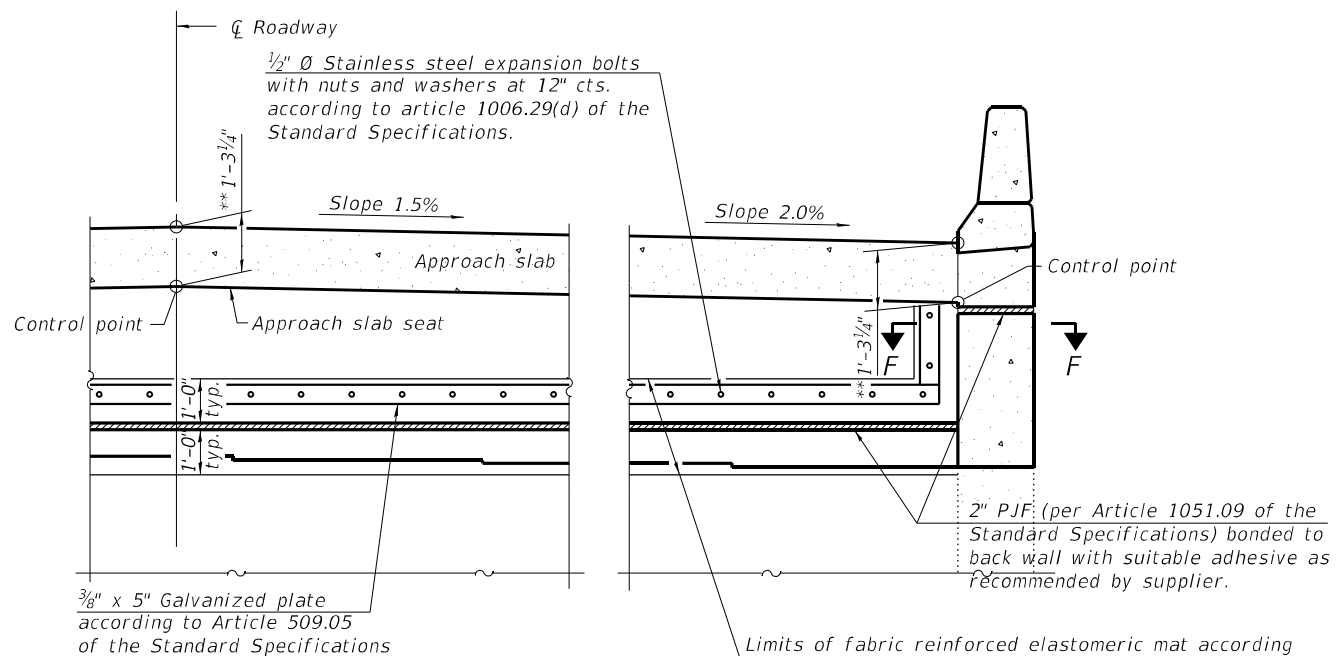
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS
 STRUCTURE NO. 092-0009**

SHEET NO. 14 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	298
CONTRACT NO. 70A29				

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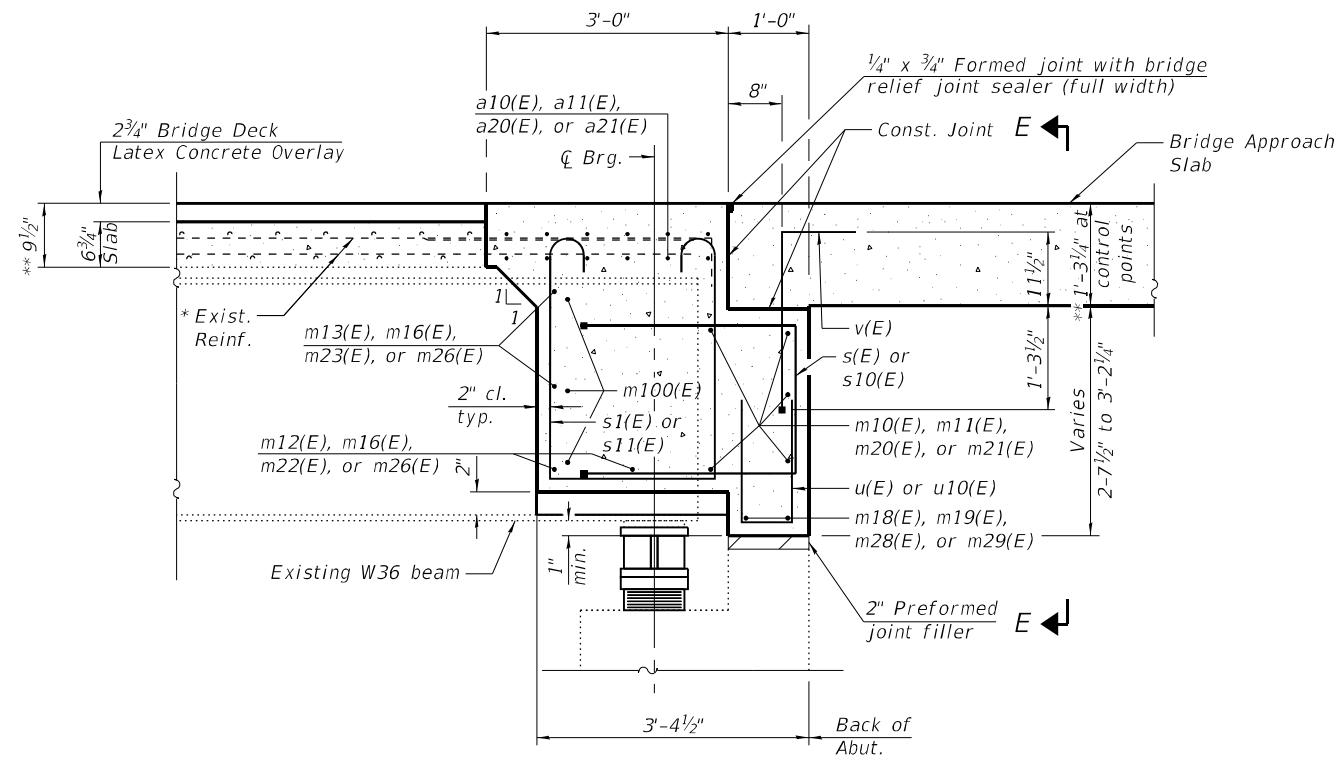


VIEW E-E

Note:
Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.

Limits of fabric reinforced elastomeric mat according to Section 1028 of the Standard Specifications and installed according to applicable requirements of Article 520.09 of the Standard Specifications. Wrap 1'-0" along back of wing wall

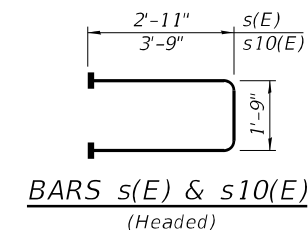
Notes:
See sheet 11 of 37 for reinforcement detailing of the bridge deck over the diaphragm.
See sheet 12 of 37 for Bill of Material.
The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
The approach slab seat shall have a constant slope determined from the control points shown.
See sheet 23 of 37 for hole locations thru beam web.



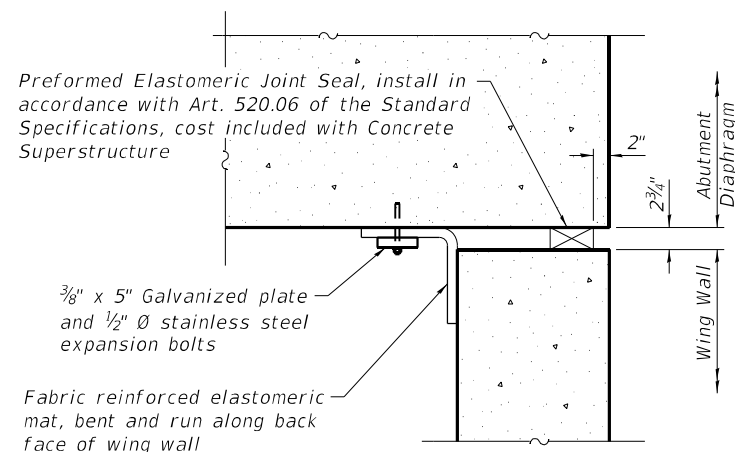
SECTION C-C
(Showing Proposed)
(at Right Angles)

* 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.

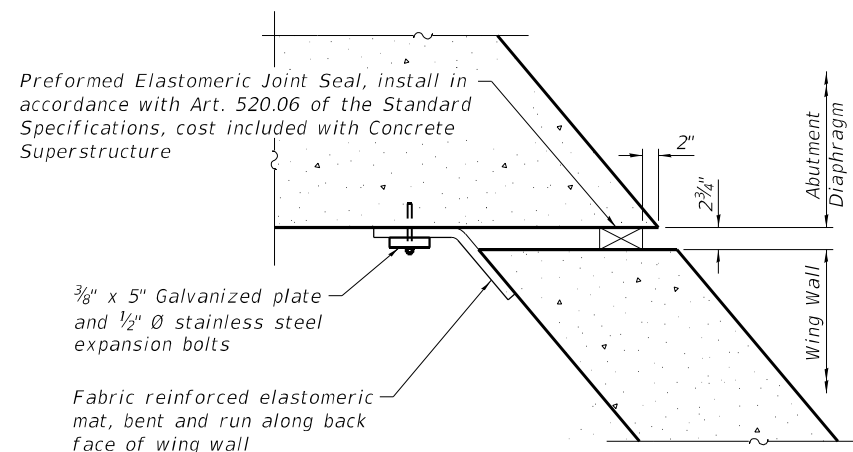
** Prior to 1/4" Diamond Grinding



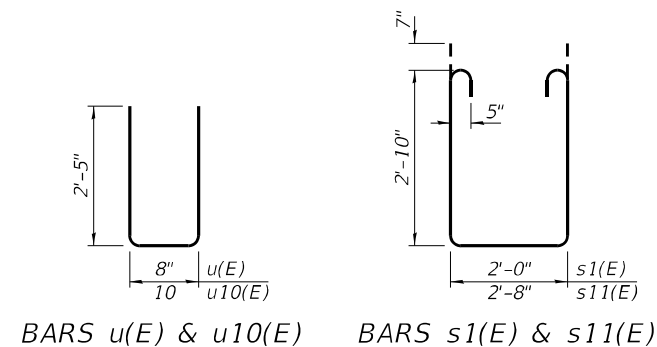
BARS s(E) & s10(E)
(Headed)



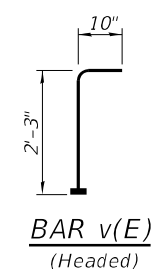
SECTION F-F
(East Abutment)



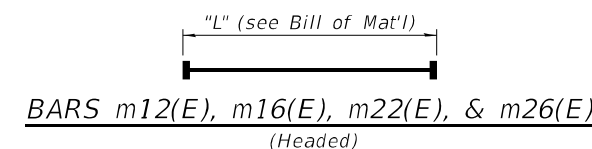
SECTION F-F
(West Abutment)
(NW Corner Shown, SW Corner Opposite Skew)



BARS u(E) & u10(E) **BARS s1(E) & s11(E)**



BAR v(E)
(Headed)



BARS m12(E), m16(E), m22(E), & m26(E)
(Headed)

(Sheet 6 of 6)

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DIAPHRAGM DETAILS
STRUCTURE NO. 092-0009

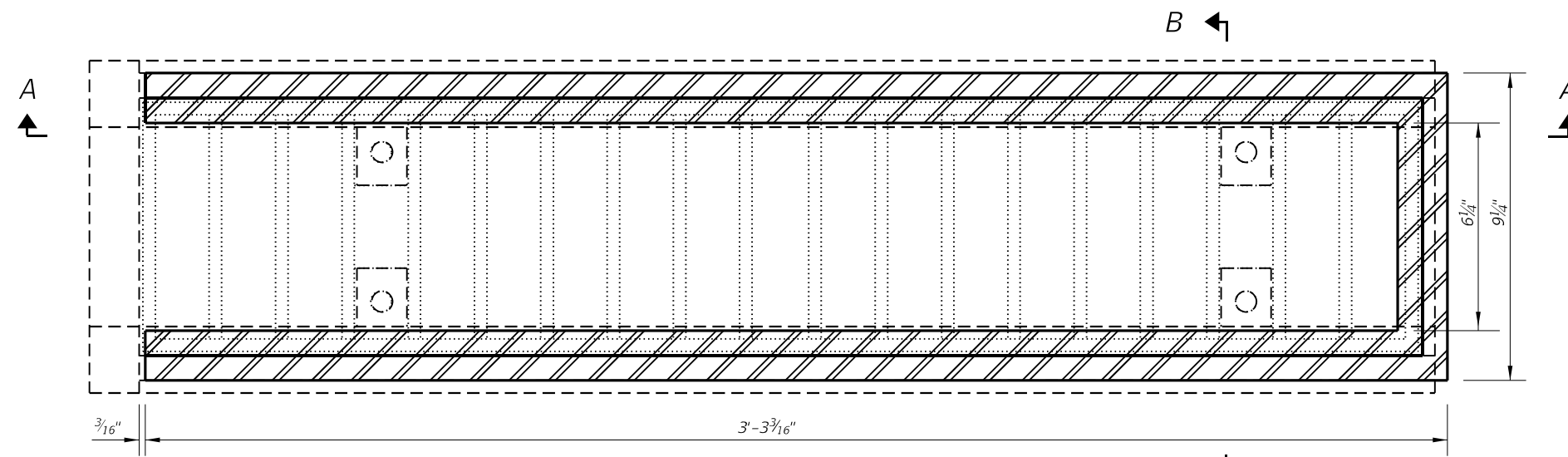
SHEET NO. 15 OF 37 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10.11.12)R	VERMILION	698	299
CONTRACT NO. 70A29				

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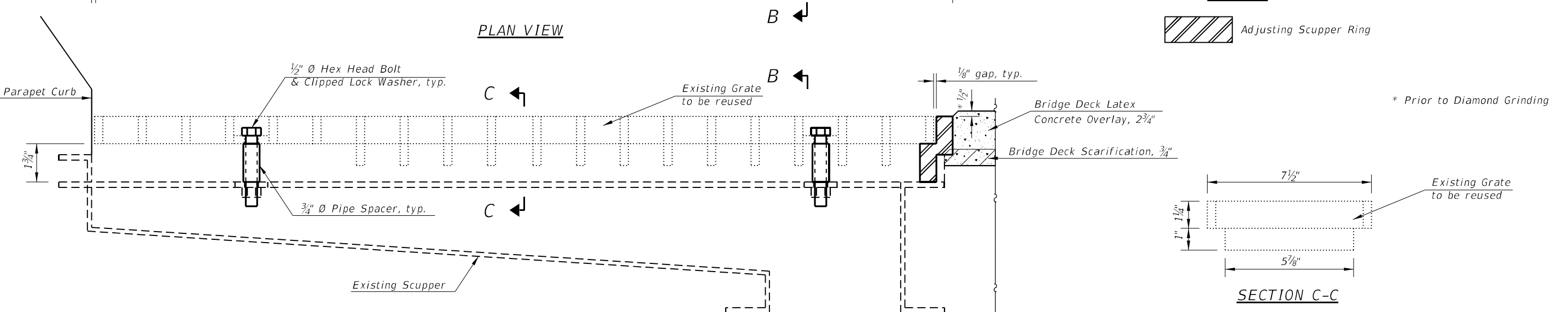
Notes:
 All structural steel shall be AASHTO M270 Grade 36. The adjusting scupper ring and 3/4" Ø pipe sleeve spacers shall be galvanized.
 Bolts shall be 1/2" Ø AASHTO M164 Type 1, mechanically galvanized.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based at the unit price bid for the work.
 Shop plans for proposed adjusting scupper ring shall be submitted for approval prior to fabrication.
 Contractor shall ensure that no damage is done to existing grates to be reused.
 Cost of all labor and materials necessary to remove existing grates, clean existing scuppers, install adjusting scupper rings and reinstalling grates is included in the cost per unit Each for Drainage Scuppers to be Adjusted.



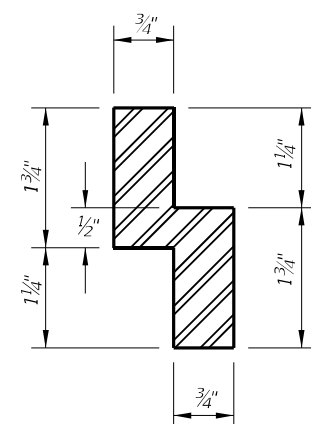
PLAN VIEW

LEGEND

Adjusting Scupper Ring



SECTION C-C

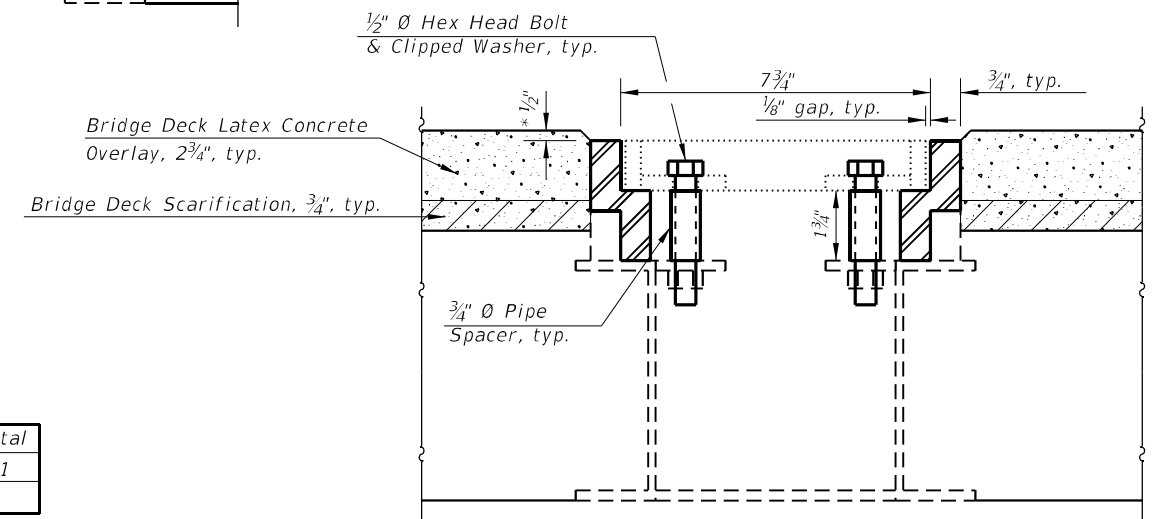


SECTION A-A

ADJUSTING SCUPPER RING

BILL OF MATERIAL

Item	Unit	Total
Drainage Scuppers To Be Adjusted	Each	1



SECTION B-B

MODEL: Default
 FILE NAME: S:\237\2019\12\3719020.00 (193-026 DS I-74 Danville)\CADD\CADD Sheets\70A29-0920008-016-Scupper Adjustment.dgn
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-10,11,12)R	VERMILION	698	300
CONTRACT NO. 70A29				
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