

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| F.A.R.<br>RTE. | SECTION                  | COUNTY   | TOTAL<br>SHEETS    | SHEET<br>NO. |
|----------------|--------------------------|----------|--------------------|--------------|
| 70             | D7 BRIDGE REPAIRS 2026-5 | CLARK    | 20                 | 1            |
|                |                          | ILLINOIS | CONTRACT NO. 74D11 |              |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

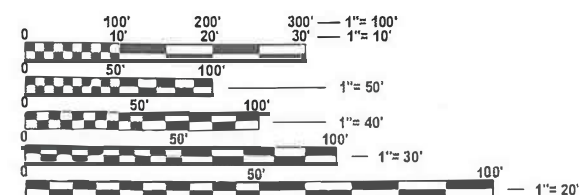
ADT: 24,900 (2023)

**PROPOSED  
HIGHWAY PLANS**

**FAI ROUTE 70 (I 70)  
SECTION D7 BRIDGE REPAIRS 2026-5  
PROJECT NHPP-E0Z4(443)  
BRIDGE DECK OVERLAY, BRIDGE DECK REPAIRS  
CLARK COUNTY**

**C-97-083-24**

STRUCTURES 012-0008 (WB) & 012-0009 (EB)

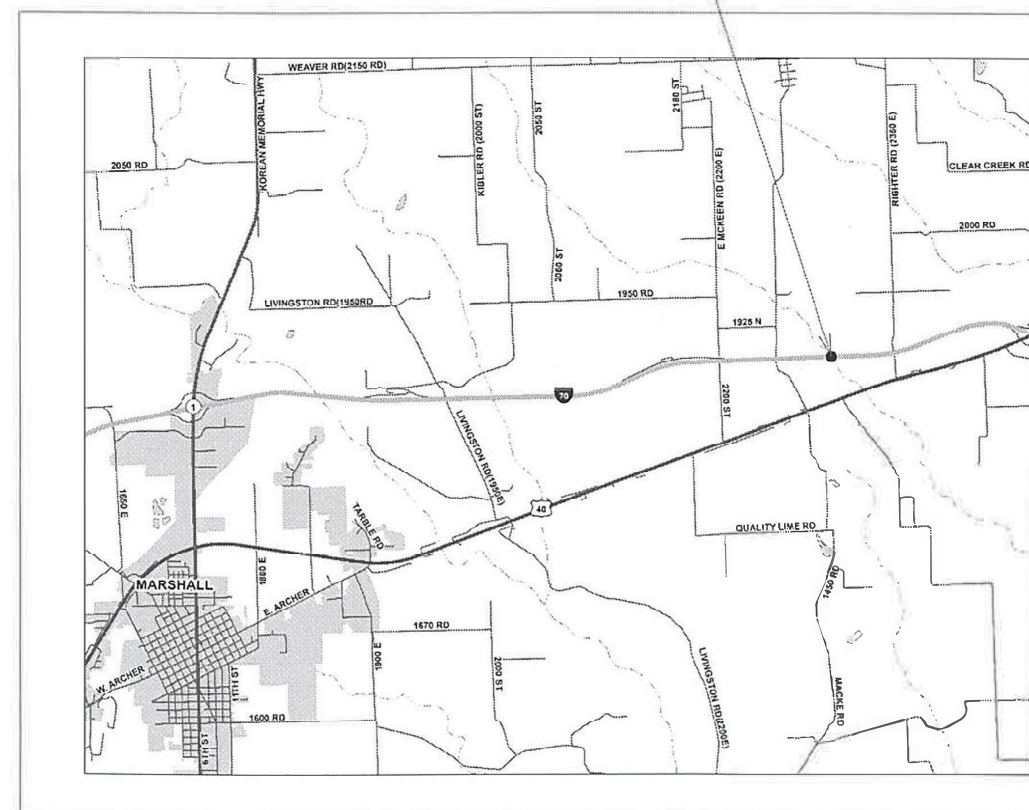


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

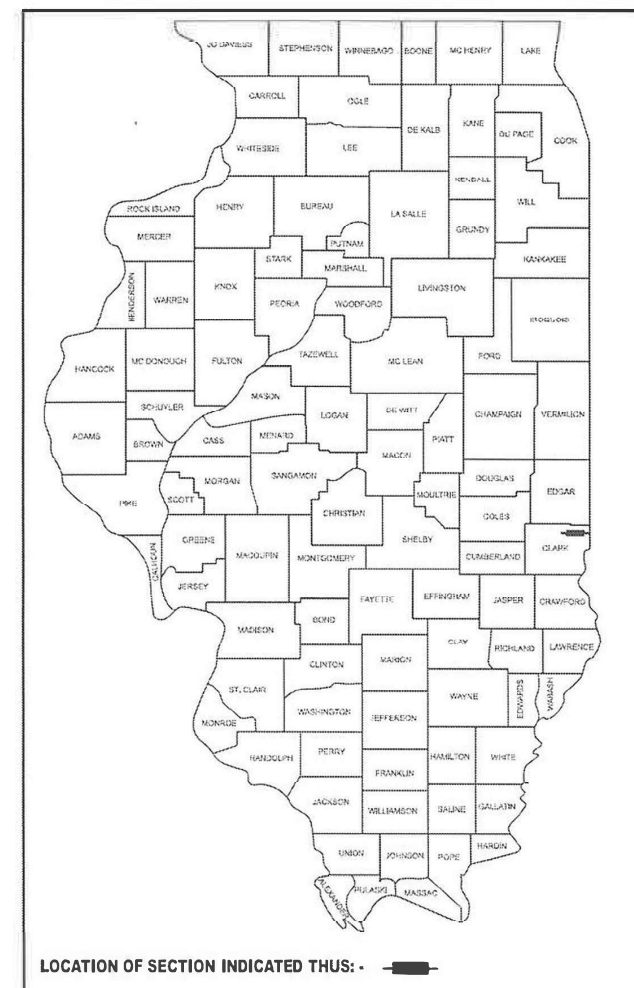
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: MATT BOWER  
PROJECT MANAGER: LEVI LUND

CONTRACT NO. 74D11



D-97-050-24



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED JUNE 10 2025  
Loa Rensing 16 REGIONAL ENGINEER  
August 15 2025  
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT  
August 15 2025  
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

GENERAL NOTES

PAVEMENT MARKING TAPE SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON HMA SURFACES.

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION                                        |
|-----------|----------------------------------------------------|
| 1         | COVER SHEET                                        |
| 2         | GENERAL NOTES, INDEX OF SHEETS & HIGHWAY STANDARDS |
| 4-5       | SUMMARY OF QUANTITIES                              |
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| 7         | SCHEDULE OF QUANTITIES                             |
| 8         | STRUCTURE PROFILE TRANSITION DETAIL                |
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| 10-18     | BRIDGE REPAIR PLANS                                |
| 19-20     | DISTRICT 7 DETAILS                                 |

HIGHWAY STANDARDS

| STANDARD NO. | DESCRIPTION                                                   |
|--------------|---------------------------------------------------------------|
| 000001-08    | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS                 |
| 001001-02    | AREA OF REINFORCEMENT BARS                                    |
| 001006       | DECIMAL OF AN INCH AND OF A FOOT                              |
| 420701-03    | PAVEMENT WELDED WIRE REINFORCEMENT                            |
| 642001-03    | SHOULDER RUMBLE STRIPS, 16 INCH                               |
| 701101-05    | OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE |
| 701106-02    | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY            |
| 701400-12    | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY                  |
| 701401-13    | LANE CLOSURE, FREEWAY/EXPRESSWAY                              |
| 701402-12    | LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER                |
| 701406-13    | LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY         |
| 701901-10    | TRAFFIC CONTROL DEVICES                                       |
| 704001-08    | TEMPORARY CONCRETE BARRIER                                    |
| 420001-10    | PAVEMENT JOINTS                                               |
| 780001-05    | TYPICAL PAVEMENT MARKINGS                                     |
| 782006-01    | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS         |

| THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT: |                                                               |              |                  |                     |                    |                |                            |             |                                      |
|--------------------------------------------------------------------|---------------------------------------------------------------|--------------|------------------|---------------------|--------------------|----------------|----------------------------|-------------|--------------------------------------|
| LOCATION(S)                                                        | MIXTURE USE(S)                                                | PG           | DESIGN AIR VOIDS | MIXTURE COMPOSITION | FRICTION AGGREGATE | MIXTURE WEIGHT | QUALITY MANAGEMENT PROGRAM | SUBLOT SIZE | MATERIAL TRANSFER DEVICE (REQUIRED?) |
| MAINLINE                                                           | POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (1 3/4") | SBS PG 70-22 | 4.0% @ N=90      | IL - 9.5            | MIXTURE D          | N90            | QCQA                       | 3000        | N/A                                  |
| SHOULDERS                                                          | POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (1 3/4") | SBS PG 70-22 | 4.0% @ N=90      | IL - 9.5            | MIXTURE D          | N90            | QCQA                       | 3000        | N/A                                  |

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|  |                        |            |           |                                                   |                                    |         |             |                    |                          |                             |                 |              |
|--|------------------------|------------|-----------|---------------------------------------------------|------------------------------------|---------|-------------|--------------------|--------------------------|-----------------------------|-----------------|--------------|
|  | USER NAME = jlevi.lund | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | INDEX OF SHEETS &<br>GENERAL NOTES |         |             | F.A.I<br>RTE       | SECTION                  | COUNTY                      | TOTAL<br>SHEETS | SHEET<br>NO. |
|  |                        | DRAWN -    | REVISED - |                                                   |                                    |         |             | 70                 | D7 BRIDGE REPAIRS 2026-5 | CLARK                       | 20              | 2            |
|  |                        | CHECKED -  | REVISED - |                                                   |                                    |         |             | CONTRACT NO. 74D11 |                          |                             |                 |              |
|  | PLOT DATE = 5/8/2025   | DATE -     | REVISED - |                                                   | SCALE:                             | SHEET 1 | OF 1 SHEETS | STA.               | TO STA.                  | ILLINOIS   FED. AID PROJECT |                 |              |

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| CODE NO. | ITEM                                                             | UNIT   | TOTAL QUANTITY | 90% FED<br>10% STATE<br>BRIDGE |
|----------|------------------------------------------------------------------|--------|----------------|--------------------------------|
|          |                                                                  |        |                | 0047                           |
|          |                                                                  |        |                | RURAL                          |
|          |                                                                  |        |                |                                |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT)                                 | SQ YD  | 1298           | 1298                           |
|          |                                                                  |        |                |                                |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT                     | SQ YD  | 624            | 624                            |
|          |                                                                  |        |                |                                |
| 40600990 | TEMPORARY RAMP                                                   | SQ YD  | 107            | 107                            |
|          |                                                                  |        |                |                                |
| 40604164 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90 | TON    | 128            | 128                            |
|          |                                                                  |        |                |                                |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B                                 | TON    | 4              | 4                              |
|          |                                                                  |        |                |                                |
| 50102400 | CONCRETE REMOVAL                                                 | CU YD  | 16.9           | 16.9                           |
|          |                                                                  |        |                |                                |
| 50300255 | CONCRETE SUPERSTRUCTURE                                          | CU YD  | 18.1           | 18.1                           |
|          |                                                                  |        |                |                                |
| 50300300 | PROTECTIVE COAT                                                  | SQ YD  | 1426           | 1426                           |
|          |                                                                  |        |                |                                |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED                                 | POUND  | 2660           | 2660                           |
|          |                                                                  |        |                |                                |
| 50800515 | BAR SPLICERS                                                     | EACH   | 24             | 24                             |
|          |                                                                  |        |                |                                |
| 52000110 | PREFORMED JOINT STRIP SEAL                                       | FOOT   | 178            | 178                            |
|          |                                                                  |        |                |                                |
| 64200116 | SHOULDER RUMBLE STRIPS, 16 INCH                                  | FOOT   | 1616           | 1616                           |
|          |                                                                  |        |                |                                |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A                                  | CAL MO | 5              | 5                              |
|          |                                                                  |        |                |                                |
| 67100100 | MOBILIZATION                                                     | L SUM  | 1              | 1                              |
|          |                                                                  |        |                |                                |
| 70100205 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701401                  | EACH   | 2              | 2                              |
|          |                                                                  |        |                |                                |
| 70100207 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701402                  | EACH   | 2              | 2                              |
|          |                                                                  |        |                |                                |
| 70100700 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701406                  | L SUM  | 1              | 1                              |
|          |                                                                  |        |                |                                |

| CODE NO.   | ITEM                                                            | UNIT   | TOTAL QUANTITY | 90% FED<br>10% STATE<br>BRIDGE |
|------------|-----------------------------------------------------------------|--------|----------------|--------------------------------|
|            |                                                                 |        |                | 0047                           |
|            |                                                                 |        |                | RURAL                          |
|            |                                                                 |        |                |                                |
| 70107007   | PAVEMENT MARKING BLACKOUT TAPE, 7"                              | FOOT   | 2608           | 2608                           |
|            |                                                                 |        |                |                                |
| 70107025   | CHANGEABLE MESSAGE SIGN                                         | CAL DA | 28             | 28                             |
|            |                                                                 |        |                |                                |
| 70300100   | SHORT TERM PAVEMENT MARKING                                     | FOOT   | 183            | 183                            |
|            |                                                                 |        |                |                                |
| 70300150   | SHORT TERM PAVEMENT MARKING REMOVAL                             | SQ FT  | 1582           | 1582                           |
|            |                                                                 |        |                |                                |
| 70300241   | TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT                     | FOOT   | 2728           | 2728                           |
|            |                                                                 |        |                |                                |
| 70400100   | TEMPORARY CONCRETE BARRIER                                      | FOOT   | 1175           | 1175                           |
|            |                                                                 |        |                |                                |
| 70400200   | RELOCATE TEMPORARY CONCRETE BARRIER                             | FOOT   | 1100           | 1100                           |
|            |                                                                 |        |                |                                |
| 70600250   | IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3  | EACH   | 2              | 2                              |
|            |                                                                 |        |                |                                |
| 70600350   | IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3   | EACH   | 2              | 2                              |
|            |                                                                 |        |                |                                |
| * 78004630 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 6" | FOOT   | 2728           | 2728                           |
|            |                                                                 |        |                |                                |
| * 78011035 | GROOVING FOR RECESSED PAVEMENT MARKING 7"                       | FOOT   | 2728           | 2728                           |
|            |                                                                 |        |                |                                |
| X5030250   | BRIDGE DECK GROOVING (LONGITUDINAL)                             | SQ YD  | 834            | 834                            |
|            |                                                                 |        |                |                                |
| X6026200   | INLETS TO BE ADJUSTED (SPECIAL)                                 | EACH   | 4              | 4                              |
|            |                                                                 |        |                |                                |
| X6420002   | FILLING EXISTING RUMBLE STRIP                                   | FOOT   | 1616           | 1616                           |
|            |                                                                 |        |                |                                |
| Z0012111   | BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/2"       | SQ YD  | 1381           | 1381                           |
|            |                                                                 |        |                |                                |
| Z0012130   | BRIDGE DECK SCARIFICATION 3/4"                                  | SQ YD  | 1381           | 1381                           |
|            |                                                                 |        |                |                                |
| Z0016001   | DECK SLAB REPAIR (FULL DEPTH, TYPE I)                           | SQ YD  | 12.9           | 12.9                           |
|            |                                                                 |        |                |                                |

\* SPECIALTY ITEM

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|  |                      |            |           |                                                   |                       |         |      |                    |                          |         |                             |              |
|--|----------------------|------------|-----------|---------------------------------------------------|-----------------------|---------|------|--------------------|--------------------------|---------|-----------------------------|--------------|
|  | USER NAME = lvi,lund | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES |         |      | F.A.I<br>RTE       | SECTION                  | COUNTY  | TOTAL<br>SHEETS             | SHEET<br>NO. |
|  |                      | DRAWN -    | REVISED - |                                                   |                       |         |      | 70                 | D7 BRIDGE REPAIRS 2026-5 | CLARK   | 20                          | 3            |
|  |                      | CHECKED -  | REVISED - |                                                   |                       |         |      | CONTRACT NO. 74D11 |                          |         |                             |              |
|  | PLOT DATE = 5/8/2025 | DATE -     | REVISED - |                                                   | SCALE:                | SHEET 1 | OF 2 | SHEETS             | STA.                     | TO STA. | ILLINOIS   FED. AID PROJECT |              |

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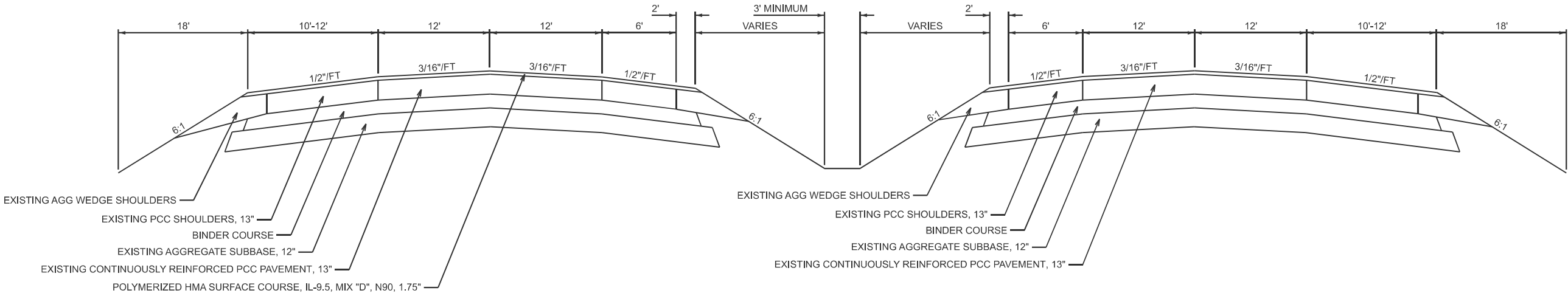
| CODE NO. | ITEM                                   | UNIT  | TOTAL QUANTITY | 90% FED<br>10% STATE |
|----------|----------------------------------------|-------|----------------|----------------------|
|          |                                        |       |                | BRIDGE               |
|          |                                        |       |                | 0047                 |
|          |                                        |       |                | RURAL                |
|          |                                        |       |                |                      |
| Z0016002 | DECK SLAB REPAIR (FULL DEPTH, TYPE II) | SQ YD | 64.3           | 64.3                 |
|          |                                        |       |                |                      |
| Z0029090 | DIAMOND GRINDING (BRIDGE SECTION)      | SQ YD | 1280           | 1280                 |
|          |                                        |       |                |                      |

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|  |                       |            |           |                                                   |                       |         |      |                    |                          |         |                             |              |
|--|-----------------------|------------|-----------|---------------------------------------------------|-----------------------|---------|------|--------------------|--------------------------|---------|-----------------------------|--------------|
|  | USER NAME = levi.lund | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES |         |      | F.A.I<br>RTE       | SECTION                  | COUNTY  | TOTAL<br>SHEETS             | SHEET<br>NO. |
|  |                       | DRAWN -    | REVISED - |                                                   |                       |         |      | 70                 | D7 BRIDGE REPAIRS 2026-5 | CLARK   | 20                          | 4            |
|  |                       | CHECKED -  | REVISED - |                                                   |                       |         |      | CONTRACT NO. 74D11 |                          |         |                             |              |
|  | PLOT DATE = 5/8/2025  | DATE -     | REVISED - |                                                   | SCALE:                | SHEET 2 | OF 2 | SHEETS             | STA.                     | TO STA. | ILLINOIS   FED. AID PROJECT |              |

TYPICAL CROSS SECTION

STA 363+00 TO STA 368+13 LT  
STA 363+00 TO STA 368+47 RT  
STA 370+33 TO STA 382+00 LT  
STA 370+67 TO STA 382+00 RT



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|  |                       |            |           |                                                   |                        |         |      |                    |                          |         |                           |              |
|--|-----------------------|------------|-----------|---------------------------------------------------|------------------------|---------|------|--------------------|--------------------------|---------|---------------------------|--------------|
|  | USER NAME = levi.lund | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TYPICAL CROSS SECTIONS |         |      | F.A.I<br>RTE.      | SECTION                  | COUNTY  | TOTAL<br>SHEETS           | SHEET<br>NO. |
|  |                       | DRAWN -    | REVISED - |                                                   |                        |         |      | 70                 | D7 BRIDGE REPAIRS 2026-5 | CLARK   | 20                        | 5            |
|  |                       | CHECKED -  | REVISED - |                                                   |                        |         |      | CONTRACT NO. 74D11 |                          |         |                           |              |
|  | PLOT DATE = 5/8/2025  | DATE -     | REVISED - |                                                   | SCALE:                 | SHEET 1 | OF 1 | SHEETS             | STA.                     | TO STA. | ILLINOIS FED. AID PROJECT |              |

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| HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT (MAINLINE) |         |    |         |        |        |         |
|-------------------------------------------------------|---------|----|---------|--------|--------|---------|
|                                                       |         |    |         | LENGTH | WIDTH  | AREA    |
| BRIDGE NO.                                            | STATION | TO | STATION | (FOOT) | (FOOT) | (SQ YD) |
| 012-0008                                              | 370+76  | TO | 370+41  | 35     | 40     | 156     |
| 012-0008                                              | 368+05  | TO | 367+70  | 35     | 40     | 156     |
| 012-0009                                              | 368+05  | TO | 368+40  | 35     | 40     | 156     |
| 012-0009                                              | 370+75  | TO | 371+10  | 35     | 40     | 156     |
|                                                       |         |    |         | TOTAL: |        | 624     |

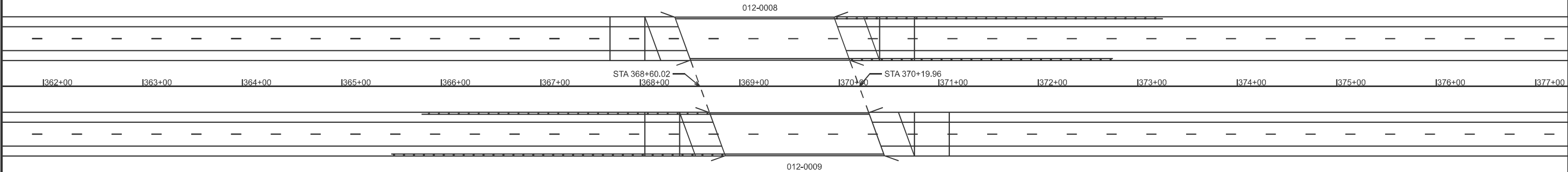
| FILLING EXISTING RUMBLE STRIP & SHOULDER RUMBLE STRIPS, 16 INCH |       |         |    |         |        |
|-----------------------------------------------------------------|-------|---------|----|---------|--------|
| BRIDGE NO.                                                      | DL/PL | STATION | TO | STATION | LENGTH |
| 012-0008                                                        | DL    | 372+97  | TO | 370+03  | 294    |
|                                                                 | DL    | 368+06  | TO | 367+38  | 68     |
| 012-0008                                                        | PL    | 373+98  | TO | 370+32  | 366    |
|                                                                 | PL    | 368+18  | TO | 367+38  | 80     |
| 012-0009                                                        | DL    | 365+83  | TO | 368+77  | 294    |
|                                                                 | DL    | 370+62  | TO | 371+42  | 80     |
| 012-0009                                                        | PL    | 364+82  | TO | 368+48  | 366    |
|                                                                 | PL    | 370+74  | TO | 371+42  | 68     |
|                                                                 |       |         |    | TOTAL   | 1616   |

| STAGE CONSTRUCTION SCHEDULE |                            |                                                               |                                     |                                                              |                                                 |                                                 |                                                 |
|-----------------------------|----------------------------|---------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
|                             | TEMPORARY CONCRETE BARRIER | IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTING), TEST LEVEL 3 | RELOCATE TEMPORARY CONCRETE BARRIER | IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTING), TEST LEVEL 3 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701406 |
| BRIDGE NO.                  | FOOT                       | EACH                                                          | FOOT                                | EACH                                                         | EACH                                            | EACH                                            | L SUM                                           |
| 018-0044                    | 587.5                      | 1                                                             | 550                                 | 1                                                            | 1                                               | 1                                               | 0.5                                             |
| 018-0054                    | 587.5                      | 1                                                             | 550                                 | 1                                                            | 1                                               | 1                                               | 0.5                                             |
| TOTAL                       | 1175                       | 2                                                             | 1100                                | 2                                                            | 2                                               | 2                                               | 1                                               |

| PAVEMENT MARKING SCHEDULE |          |         |    |         |                                                                |                                           |                                             |                                    |                             |                                     |
|---------------------------|----------|---------|----|---------|----------------------------------------------------------------|-------------------------------------------|---------------------------------------------|------------------------------------|-----------------------------|-------------------------------------|
|                           |          |         |    |         | PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD- LINE 6" | GROOVING FOR RECESSED PAVEMENT MARKING 7" | TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT | PAVEMENT MARKING BLACKOUT TAPE, 7" | SHORT TERM PAVEMENT MARKING | SHORT TERM PAVEMENT MARKING REMOVAL |
| BRIDGE NO.                | DL/PL/CL | STATION |    | STATION | FOOT                                                           | FOOT                                      | FOOT                                        | FOOT                               | FOOT                        | SQ FT                               |
| 012-0008                  | CL       | 373+98  | TO | 370+47  | 90                                                             | 90                                        | 90                                          | 90                                 | 35                          | 64                                  |
|                           | DL       | 372+97  | TO | 370+47  | 250                                                            | 250                                       | 250                                         | 250                                | 5                           | 148                                 |
|                           | DL       | 370+47  | TO | 368+03  | 244                                                            | 244                                       | 244                                         | 244                                | 5                           | 144                                 |
|                           | DL       | 368+03  | TO | 367+53  | 50                                                             | 50                                        | 50                                          | 50                                 | 1                           | 29                                  |
|                           | CL       | 370+47  | TO | 367+98  | 60                                                             | 60                                        | 60                                          | 0                                  | 25                          | 8                                   |
|                           | PL       | 373+98  | TO | 370+47  | 351                                                            | 351                                       | 351                                         | 351                                | 7                           | 207                                 |
|                           | PL       | 370+47  | TO | 367+98  | 249                                                            | 249                                       | 249                                         | 249                                | 5                           | 147                                 |
|                           | PL       | 367+98  | TO | 367+48  | 50                                                             | 50                                        | 50                                          | 50                                 | 1                           | 29                                  |
| 012-0009                  | CL       | 367+98  | TO | 367+48  | 20                                                             | 20                                        | 20                                          | 20                                 | 5                           | 14                                  |
|                           | CL       | 364+82  | TO | 368+33  | 90                                                             | 90                                        | 90                                          | 90                                 | 35                          | 64                                  |
|                           | DL       | 365+83  | TO | 368+33  | 250                                                            | 250                                       | 250                                         | 250                                | 5                           | 148                                 |
|                           | DL       | 368+33  | TO | 370+82  | 249                                                            | 249                                       | 249                                         | 249                                | 5                           | 147                                 |
|                           | DL       | 370+82  | TO | 371+27  | 45                                                             | 45                                        | 45                                          | 45                                 | 1                           | 26                                  |
|                           | CL       | 368+33  | TO | 371+32  | 60                                                             | 60                                        | 60                                          | 0                                  | 30                          | 10                                  |
|                           | PL       | 364+82  | TO | 368+33  | 351                                                            | 351                                       | 351                                         | 351                                | 7                           | 207                                 |
|                           | PL       | 368+33  | TO | 370+82  | 249                                                            | 249                                       | 249                                         | 249                                | 5                           | 147                                 |
|                           | PL       | 370+82  | TO | 371+32  | 50                                                             | 50                                        | 50                                          | 50                                 | 1                           | 29                                  |
|                           | CL       | 370+82  | TO | 371+32  | 20                                                             | 20                                        | 20                                          | 20                                 | 5                           | 14                                  |
|                           |          |         |    | TOTAL   | 2728                                                           | 2728                                      | 2728                                        | 2608                               | 183                         | 1582                                |

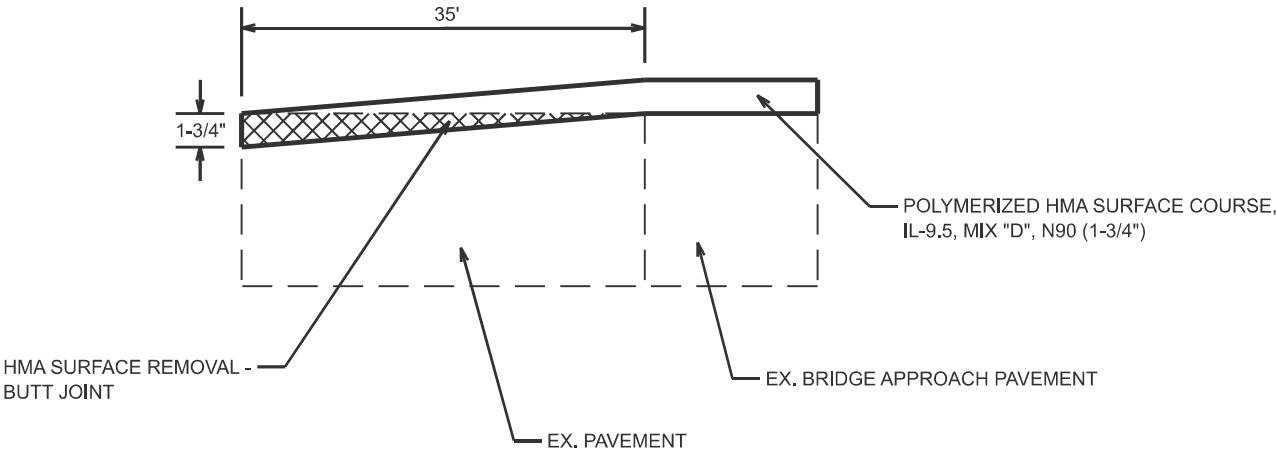
| TEMPORARY RAMP |         |    |         |        |            |       |
|----------------|---------|----|---------|--------|------------|-------|
| BRIDGE NO.     | STATION | TO | STATION | LENGTH | WIDTH (FT) | SQ YD |
| 012-0008       | 370+76  | TO | 370+70  | 6      | 40         | 27    |
| 012-0008       | 367+76  | TO | 367+70  | 6      | 40         | 27    |
| 012-0009       | 368+05  | TO | 368+11  | 6      | 40         | 27    |
| 012-0009       | 371+04  | TO | 371+10  | 6      | 40         | 27    |
|                |         |    |         |        | TOTAL:     | 107   |

| POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 |         |    |         |        |        |       |
|------------------------------------------------------|---------|----|---------|--------|--------|-------|
|                                                      |         |    |         | LENGTH | WIDTH  |       |
| BRIDGE NO.                                           | STATION | TO | STATION | (FOOT) | (FOOT) | (TON) |
| 012-0008                                             | 370+76  | TO | 370+03  | 73     | 40     | 32    |
| 012-0008                                             | 368+43  | TO | 367+70  | 73     | 40     | 32    |
| 012-0009                                             | 368+05  | TO | 368+78  | 73     | 40     | 32    |
| 012-0009                                             | 370+38  | TO | 371+11  | 73     | 40     | 32    |
|                                                      |         |    |         | TOTAL  |        | 128   |



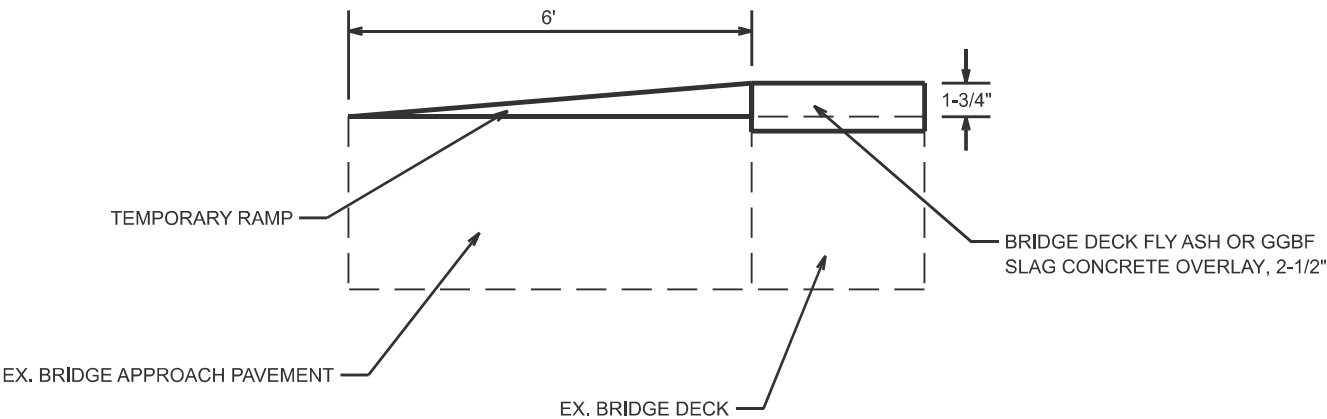
**BUTT JOINT DETAIL**

| BRIDGE NO. | STATION | TO | STATION |
|------------|---------|----|---------|
| 012-0008   | 370+76  | TO | 370+41  |
| 012-0008   | 368+05  | TO | 367+70  |
| 012-0009   | 368+05  | TO | 368+40  |
| 012-0009   | 370+75  | TO | 371+10  |



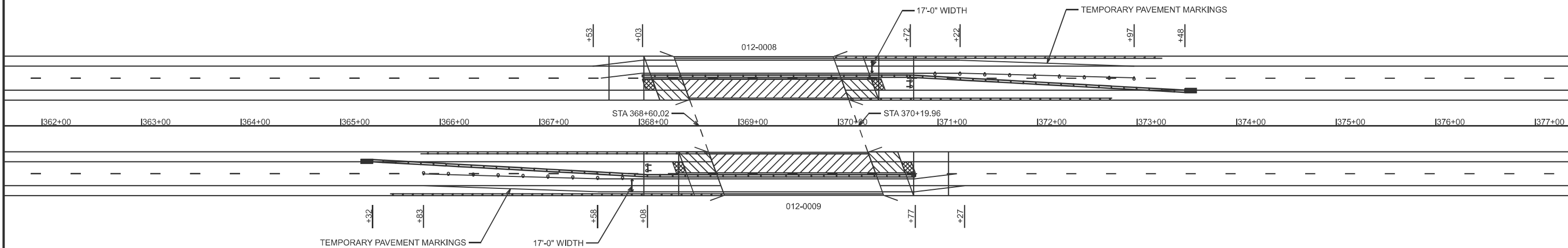
**TEMPORARY RAMP DETAIL**

| BRIDGE NO. | STATION | TO | STATION |
|------------|---------|----|---------|
| 012-0008   | 370+76  | TO | 370+70  |
| 012-0008   | 367+76  | TO | 367+70  |
| 012-0009   | 368+05  | TO | 368+11  |
| 012-0009   | 371+04  | TO | 371+10  |



MODEL: Details [Sheet]  
FILE NAME: c:\paw\_work\wikitoll\und\hd1001132\0774D11-shd-details.dgn

|  |                       |            |           |                                                   |                              |         |             |                    |                          |                           |                 |              |
|--|-----------------------|------------|-----------|---------------------------------------------------|------------------------------|---------|-------------|--------------------|--------------------------|---------------------------|-----------------|--------------|
|  | USER NAME = levi.lund | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | STRUCTURE PROFILE TRANSITION |         |             | F.A.I<br>RTE.      | SECTION                  | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
|  |                       | DRAWN -    | REVISED - |                                                   |                              |         |             | 70                 | D7 BRIDGE REPAIRS 2026-5 | CLARK                     | 20              | 7            |
|  |                       | CHECKED -  | REVISED - |                                                   |                              |         |             | CONTRACT NO. 74D11 |                          |                           |                 |              |
|  | PLOT DATE = 6/3/2025  | DATE -     | REVISED - |                                                   | SCALE:                       | SHEET 1 | OF 1 SHEETS | STA.               | TO STA.                  | ILLINOIS FED. AID PROJECT |                 |              |

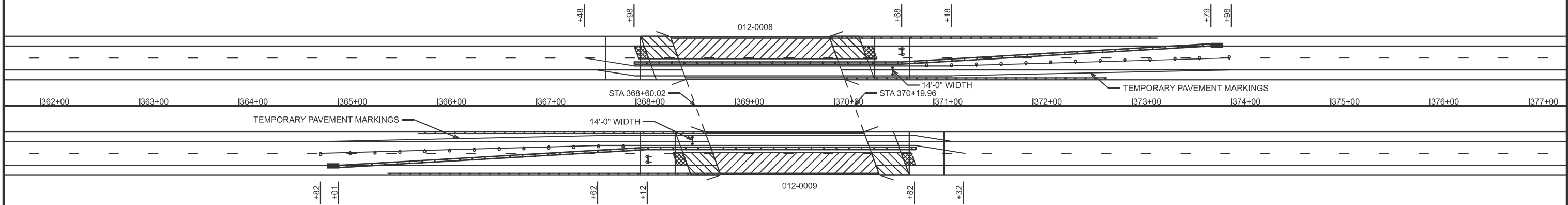


REFER TO TRAFFIC CONTROL STANDARDS  
70I40I & 70I402 FOR REMAINING TRAFFIC  
CONTROL DETAILS AND SIGNAGE.

-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR
-  BRIDGE CONSTRUCTION AREA

MODEL: Stage 1 [Sheet]  
FILE NAME: c:\p\work\project\stage1.dgn

|  |                       |            |           |                                                   |                 |         |      |        |                    |                          |                           |                 |              |
|--|-----------------------|------------|-----------|---------------------------------------------------|-----------------|---------|------|--------|--------------------|--------------------------|---------------------------|-----------------|--------------|
|  | USER NAME = levi.lund | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | STAGE 1 DETAILS |         |      |        | F.A.I<br>RTE.      | SECTION                  | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
|  |                       | DRAWN -    | REVISED - |                                                   |                 |         |      |        | 70                 | D7 BRIDGE REPAIRS 2026-5 | CLARK                     | 20              | 8            |
|  |                       | CHECKED -  | REVISED - |                                                   |                 |         |      |        | CONTRACT NO. 74D11 |                          |                           |                 |              |
|  | PLOT DATE = 6/16/2025 | DATE -     | REVISED - |                                                   | SCALE:          | SHEET 1 | OF 2 | SHEETS | STA.               | TO STA.                  | ILLINOIS FED. AID PROJECT |                 |              |



REFER TO TRAFFIC CONTROL STANDARDS  
70I40I & 70I402 FOR REMAINING TRAFFIC  
CONTROL DETAILS AND SIGNAGE.

- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- BRIDGE CONSTRUCTION AREA

MODEL: Stage 2 [Sheet]  
FILE NAME: c:\p\work\project\stage2.dgn

|           |                |          |   |         |   |
|-----------|----------------|----------|---|---------|---|
| USER NAME | = Mona.Steffen | DESIGNED | - | REVISED | - |
|           |                | DRAWN    | - | REVISED | - |
|           |                | CHECKED  | - | REVISED | - |
| PLOT DATE | = 6/16/2025    | DATE     | - | REVISED | - |

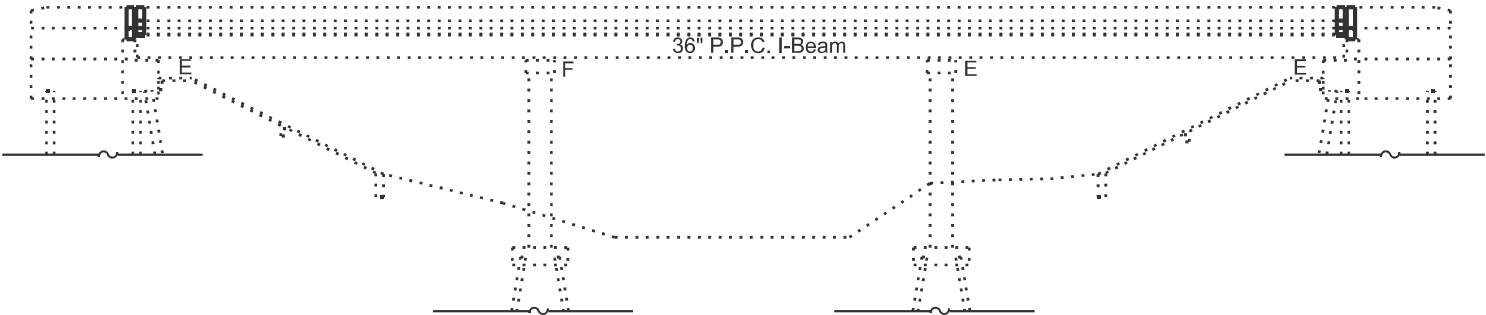
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 2 DETAILS

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

| F.A.I<br>RTE.             | SECTION                  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------------|--------------------------|--------|-----------------|--------------|
| 70                        | D7 BRIDGE REPAIRS 2026-5 | CLARK  | 20              | 9            |
| CONTRACT NO. 74D11        |                          |        |                 |              |
| ILLINOIS FED. AID PROJECT |                          |        |                 |              |

STRUCTURE 012-0008 (WB) & 012-0009 (EB) carries I-70 over Crooked Creek. The original three span, P.P.C I-Beam structures were built in 1968. A widened superstructure for both structures was constructed in 2002. The proposed project consists of replacement of the expansion joints with new strip seals, full depth deck patching, scarification, and concrete overlay.



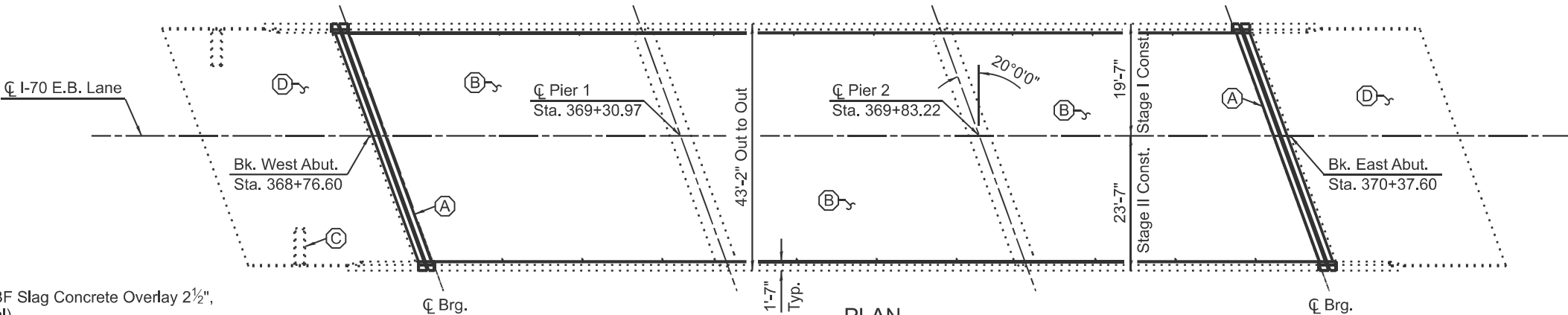
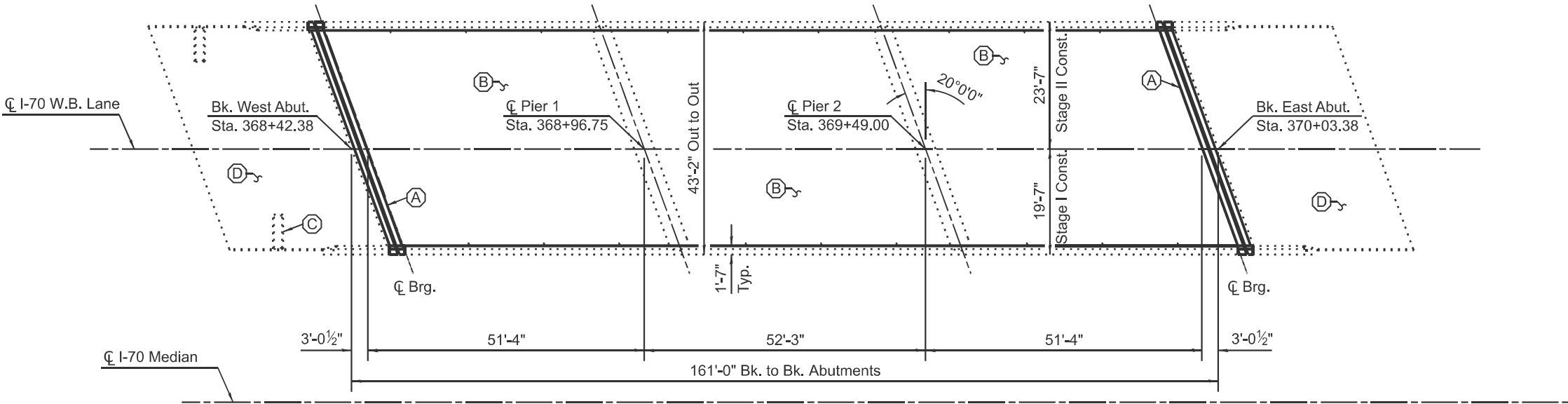
ELEVATION

DESIGN SPECIFICATIONS

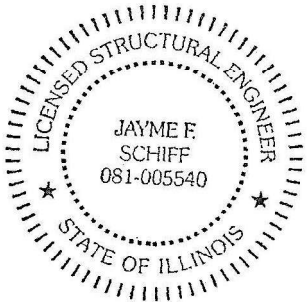
2002 AASHTO Standard Specifications  
for Highway Bridges

DESIGN STRESSES

$f_y = 60,000$  psi (Reinforcement)  
 $f_y = 36,000$  psi



PLAN



EXPIRES 11-30-2026

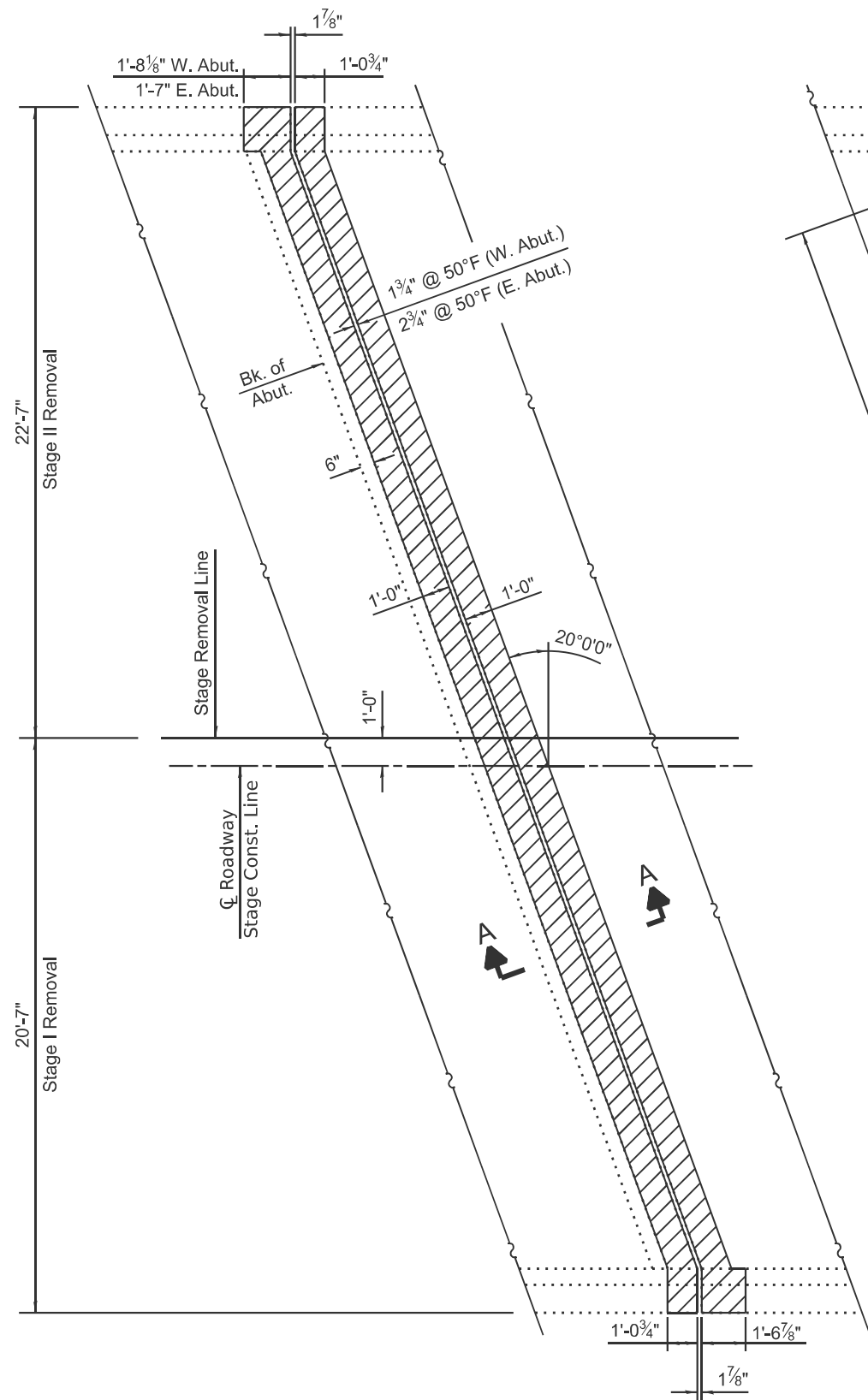
*Jayme F. Schiff*

- (A) - Remove Existing Joint & Construct Strip Seal Expansion Joint
- (B) - Bridge Deck Scarification  $\frac{3}{4}$ ", Deck Patching, Bridge Deck Fly Ash or GGBF Slag Concrete Overlay  $2\frac{1}{2}$ ", Diamond Grinding (Bridge Section), & Bridge Deck Grooving (Longitudinal)
- (C) - Adjust Approach Pavement Drains
- (D) - Proposed HMA Overlay (See Roadway Plans)

MODEL: Sheet 1 [Sheet]  
FILE NAME: c:\p\work\pilot\laned\100114\0774D11\_Bridge Repair Sheets.dgn

|                         |                       |                     |                                                   |                                                                    |                     |                     |              |                             |                          |        |                 |              |
|-------------------------|-----------------------|---------------------|---------------------------------------------------|--------------------------------------------------------------------|---------------------|---------------------|--------------|-----------------------------|--------------------------|--------|-----------------|--------------|
| USER NAME = dalton.lane | DESIGNED - D. Lane    | REVISED -           | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | GENERAL PLAN & ELEVATION<br>S.N. 012-0008 (W.B.) & 012-0009 (E.B.) | SCALE: NOT TO SCALE | SHEET 1 OF 9 SHEETS | STA. TO STA. | F.A.I<br>RTE.               | SECTION                  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|                         | DRAWN - D. Lane       | REVISED -           |                                                   |                                                                    |                     |                     |              | 70                          | D7 BRIDGE REPAIRS 2026-5 | CLARK  | 20              | 10           |
|                         | CHECKED - L. Hille    | REVISED -           |                                                   |                                                                    |                     |                     |              | CONTRACT NO. 74D11          |                          |        |                 |              |
|                         | PLOT DATE = 4/24/2025 | DATE - January 2025 | REVISED -                                         |                                                                    |                     |                     |              | ILLINOIS   FED. AID PROJECT |                          |        |                 |              |



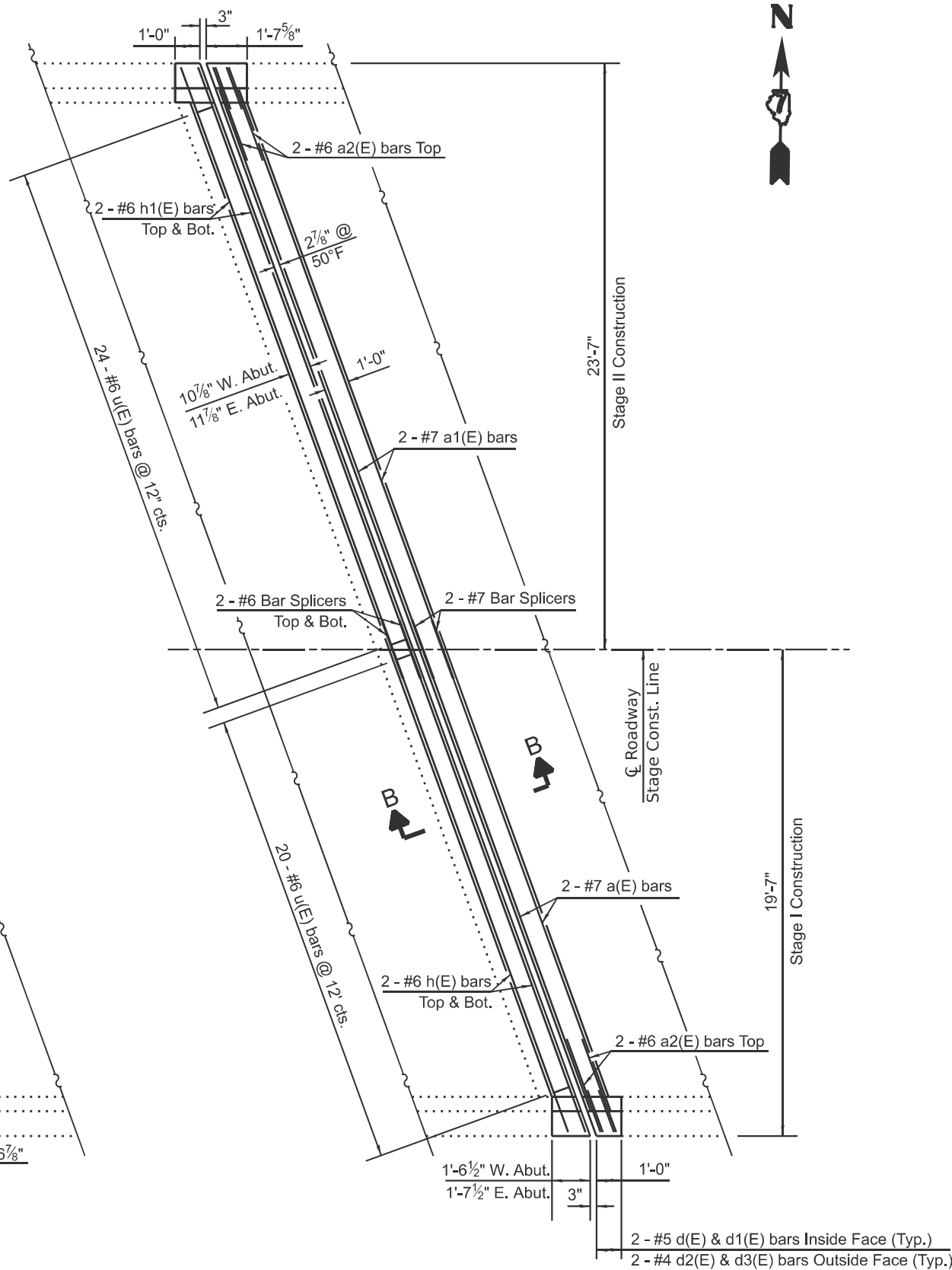


Note: Hatched area indicates removal.

### REMOVAL PLAN

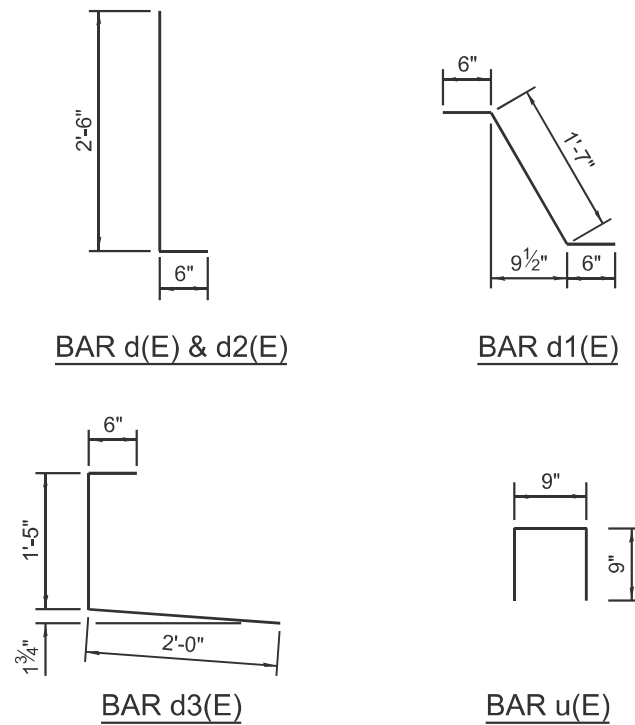
For Sections A-A & B-B See Sheet 4 of 9

012-0008 West Abutment Shown  
012-0008 East Abutment Similar by Rotation  
012-0009 Joints Similar



### REINFORCEMENT PLAN

012-0008 West Abutment Shown  
012-0008 East Abutment Similar by Rotation  
012-0009 Joints Similar



### BILL OF MATERIALS - FOUR ABUTMENTS

| Bar                              | No. | Size | Length  | Shape    |
|----------------------------------|-----|------|---------|----------|
| a(E)                             | 8   | #7   | 19'-7"  |          |
| a1(E)                            | 8   | #7   | 23'-10" |          |
| a2(E)                            | 16  | #6   | 4'-0"   |          |
| d(E)                             | 16  | #5   | 3'-0"   |          |
| d1(E)                            | 16  | #5   | 2'-7"   |          |
| d2(E)                            | 16  | #4   | 3'-0"   |          |
| d3(E)                            | 16  | #4   | 3'-11"  |          |
| h(E)                             | 16  | #6   | 20'-6"  |          |
| h1(E)                            | 16  | #6   | 24'-9"  |          |
| u(E)                             | 176 | #6   | 2'-3"   |          |
| ITEM                             |     |      | UNIT    | QUANTITY |
| Concrete Removal                 |     |      | Cu. Yd. | 16.9     |
| Concrete Superstructure          |     |      | Cu. Yd. | 18.1     |
| Reinforcement Bars, Epoxy Coated |     |      | Pound   | 2,660    |
| Bar Splicers                     |     |      | Each    | 24       |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS  
S.N. 012-0008 (W.B.) & 012-0009 (E.B.)

SCALE: NOT TO SCALE SHEET 3 OF 9 SHEETS STA. TO STA.

| F.A.I. RTE.               | SECTION                  | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------------------|--------|--------------|-----------|
| 70                        | D7 BRIDGE REPAIRS 2026-5 | CLARK  | 20           | 12        |
| CONTRACT NO. 74D11        |                          |        |              |           |
| ILLINOIS FED. AID PROJECT |                          |        |              |           |

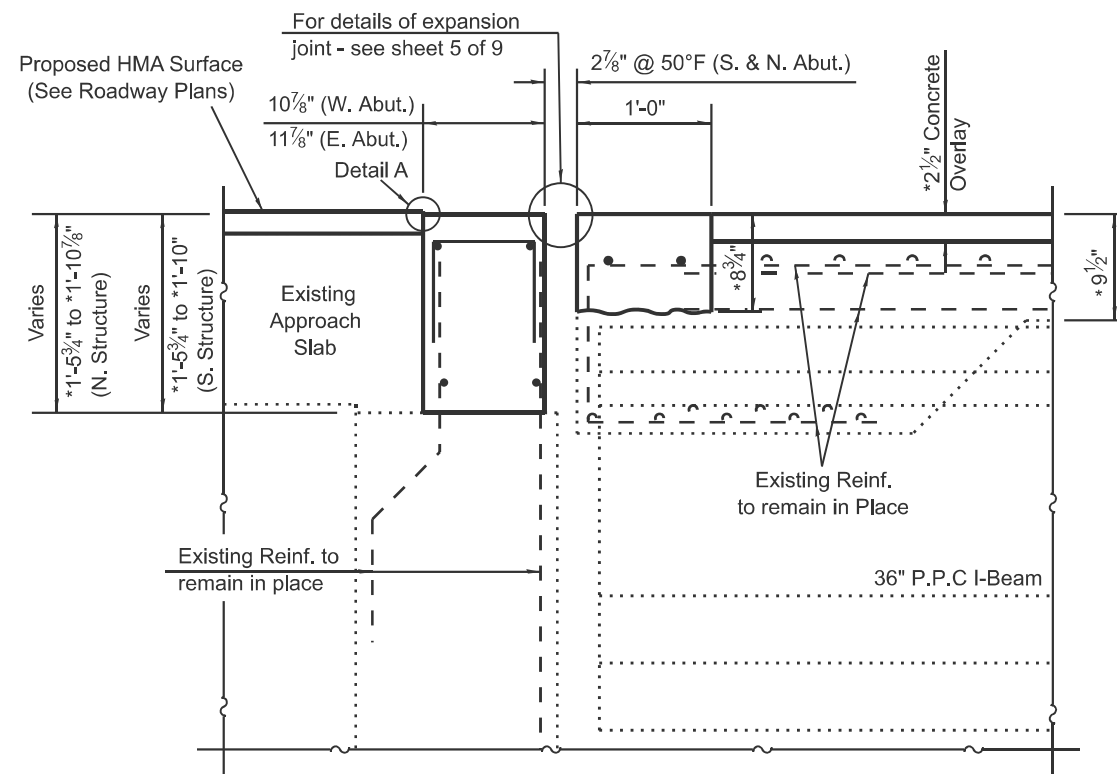
|                         |                     |           |
|-------------------------|---------------------|-----------|
| USER NAME = dalton.lane | DESIGNED - D. Lane  | REVISED - |
|                         | DRAWN - D. Lane     | REVISED - |
|                         | CHECKED - L. Hille  | REVISED - |
| PLOT DATE = 4/24/2025   | DATE - January 2025 | REVISED - |

Technical drawing of a bridge deck cross-section showing existing and proposed reinforcement details. The drawing includes the following elements:

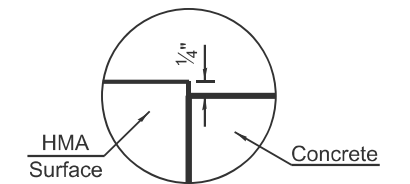
- Top Left Note:** "Note: Hatched area indicates removal." with a hatched rectangular area.
- Left Side:** Vertical dimensions for the deck width: "Varies 1'-4\" to 1'-9 1/8\" (N. Structure)" and "Varies 1'-4\" to 1'-8 1/4\" (S. Structure)".
- Top Center:** Horizontal dimensions of "1'-0\" and "1'-0\".
- Top Right:** Vertical dimensions for the deck thickness: "1 3/4\" @ 50°F (W. Abut.)" and "2 3/4\" @ 50°F (E. Abut.)".
- Right Side:** Vertical dimensions for the bridge deck and scarfification: "3/4\" Bridge Deck Scarfification" and "7 3/4\".
- Center:** A hatched rectangular area labeled "Existing Approach Slab".
- Bottom Left:** A horizontal line labeled "Existing Reinf. to remain in place" and a vertical line labeled "Bk. Abut.".
- Bottom Center:** A horizontal line labeled "Existing Reinf. to remain in Place" with arrows pointing to the existing reinforcement in the deck.
- Bottom Right:** A horizontal line labeled "36\" P.P.C I-Beam" and a vertical dimension "9 1/2\" @ Low Beam".
- Reinforcement:** Various reinforcement bars are shown, including top bars, bottom bars, and vertical bars. Some bars are labeled with "b" and "c".

SECTION A-A

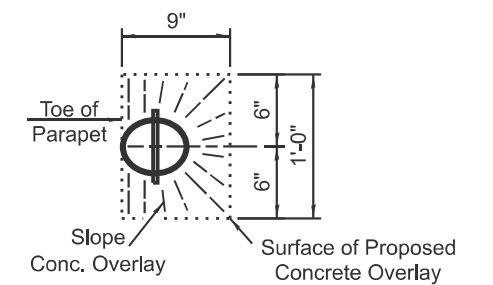
\* Thickness prior to 1/4" grinding (Typ.)



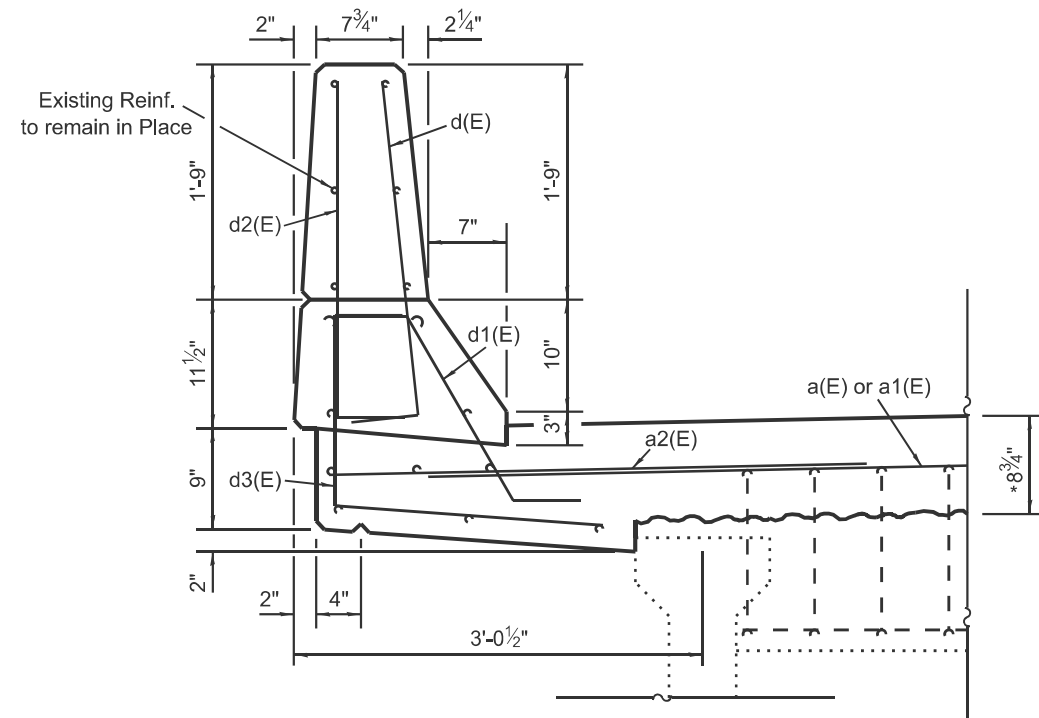
SECTION B-B



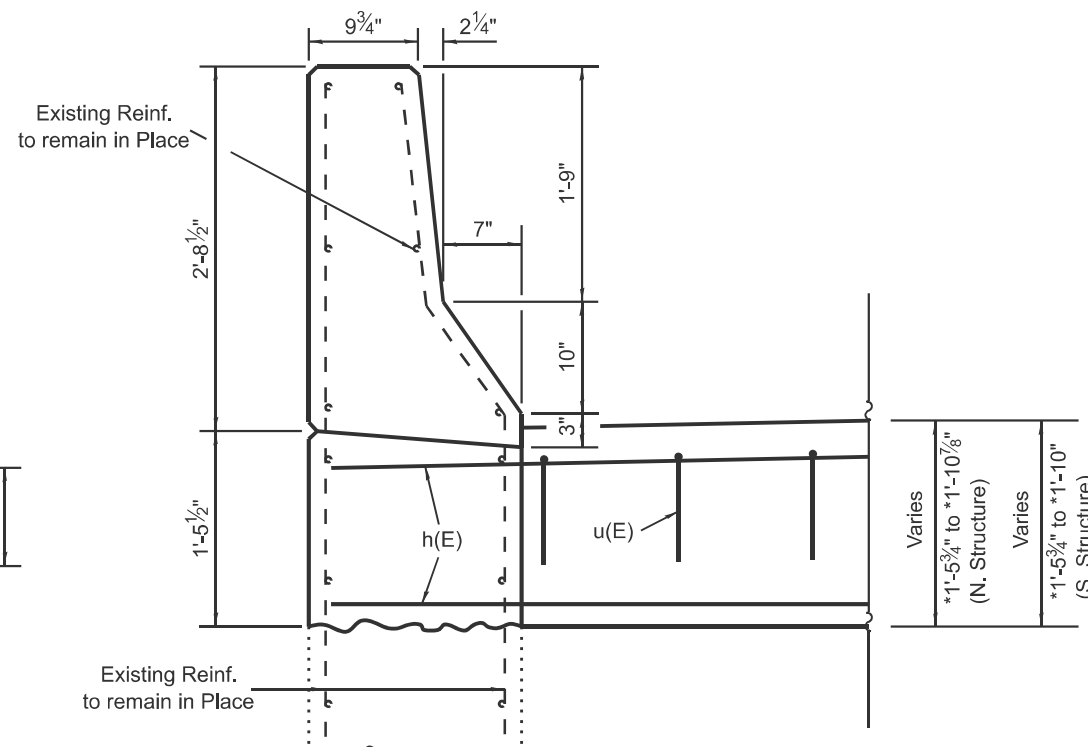
DETAIL A



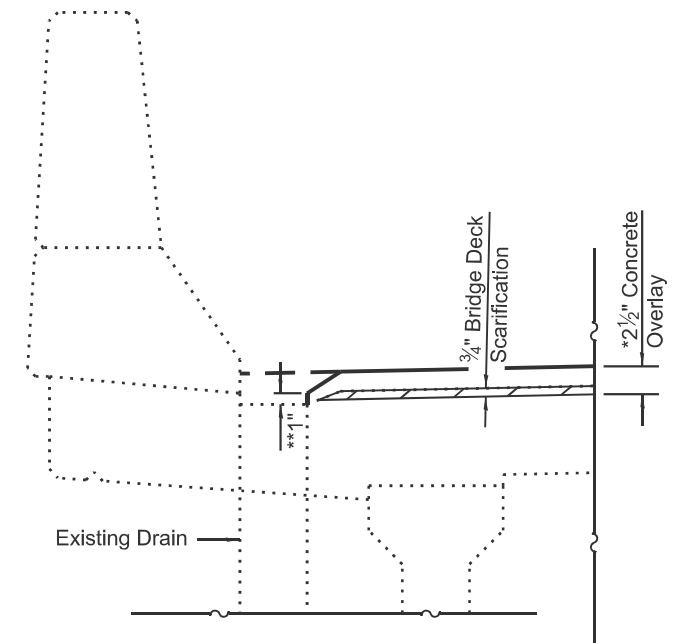
TOP PLAN OF FLOOR DRAIN



SECTION THRU DECK PARAPET



SECTION THRU APPROACH PARAPET



## FLOOR DRAIN PRESERVATION

\*\* Minimum thickness of overlay  
at edge of drain = 1"

|                         |                     |           |
|-------------------------|---------------------|-----------|
| USER NAME = dalton.lane | DESIGNED = D. Lane  | REVISED = |
|                         | DRAWN = D. Lane     | REVISED = |
|                         | CHECKED = L. Hille  | REVISED = |
| PLOT DATE = 4/24/2025   | DATE = January 2025 | REVISED = |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXPANSION JOINT REPLACEMENT DETAILS**  
**S.N. 012-0008 (W.B.) & 012-0009 (E.B.)**

|                     |         |      |        |      |         |
|---------------------|---------|------|--------|------|---------|
| SCALE: NOT TO SCALE | SHEET 4 | OF 9 | SHEETS | STA. | TO STA. |
|---------------------|---------|------|--------|------|---------|

|               |                          |                    |                 |              |
|---------------|--------------------------|--------------------|-----------------|--------------|
| F.A.I<br>RTE. | SECTION                  | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| 70            | D7 BRIDGE REPAIRS 2026-5 | CLARK              | 20              | 13           |
|               |                          | CONTRACT NO. 74D11 |                 |              |
| ILLINOIS      |                          | FED. AID PROJECT   |                 |              |

GENERAL NOTES

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

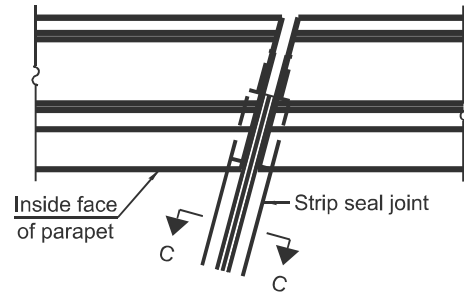
The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

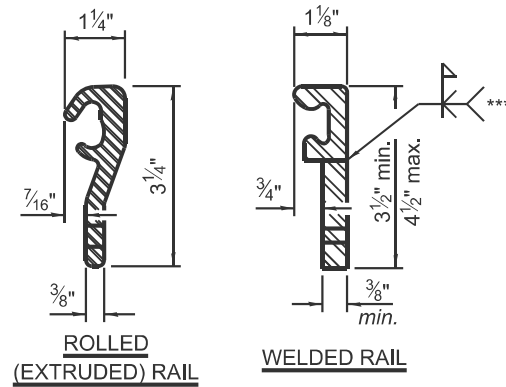
BILL OF MATERIAL

| Item                       | Unit | Total |
|----------------------------|------|-------|
| Preformed Joint Strip Seal | Foot | 178   |

| F.A.I RTE.                | SECTION                  | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------------------|--------|--------------|-----------|
| 70                        | D7 BRIDGE REPAIRS 2026-5 | CLARK  | 20           | 14        |
| CONTRACT NO. 74D11        |                          |        |              |           |
| ILLINOIS FED. AID PROJECT |                          |        |              |           |

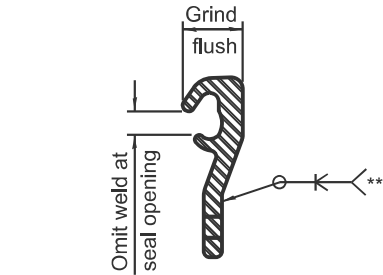


PLAN AT PARAPET



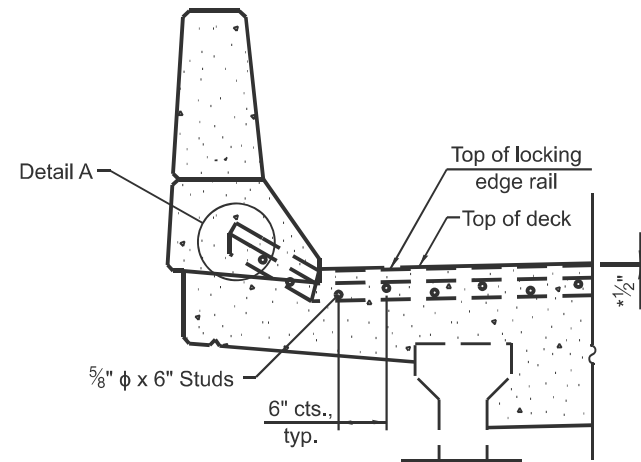
LOCKING EDGE RAILS

\*\*\* Back gouge not required if complete joint penetration is verified by mock-up.

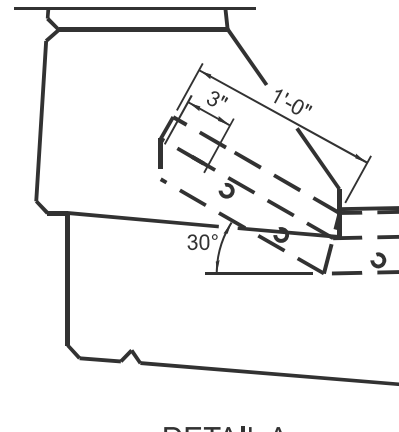


LOCKING EDGE RAIL SPLICE

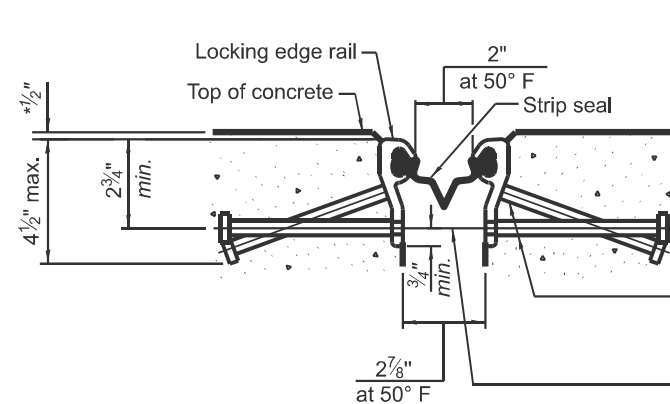
The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.



ELEVATION AT PARAPET



DETAIL A



SHOWING ROLLED RAIL JOINT

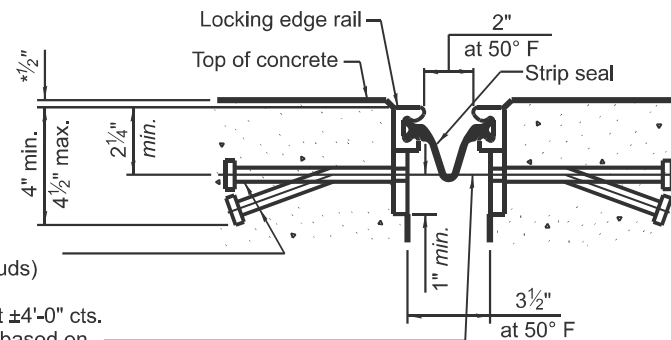
\* Thickness prior to 1/4" grinding (Typ.)

\*\* 5/8"  $\phi$  x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

3/8"  $\phi$  threaded rods in 7/16"  $\phi$  holes at  $\pm 4'-0"$  cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION C-C

\*\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



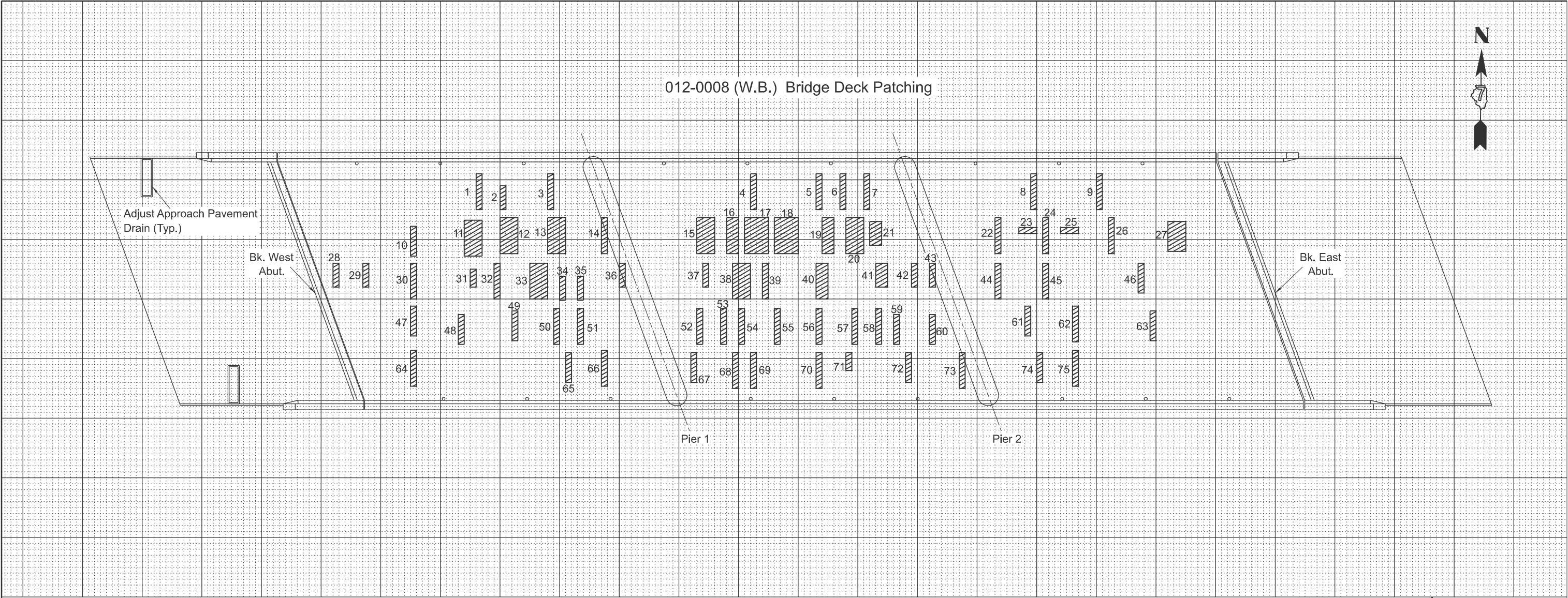
SHOWING WELDED RAIL JOINT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS  
S.N. 012-0008 (W.B.) & 012-0009 (E.B.)

SCALE: NOT TO SCALE SHEET 5 OF 9 SHEETS STA. TO STA.

MODEL: Sheet 6 [Sheet]  
FILE NAME: c:\p\work\wv\collared\c100114\ID774D11\_Bridge Repair Sheets.dgn



| PATCH | SIZE |        | DECK SLAB<br>REPAIR<br>(FD TYPE I) | DECK SLAB<br>REPAIR<br>(FD TYPE II) |
|-------|------|--------|------------------------------------|-------------------------------------|
|       | NO.  | LENGTH | WIDTH                              | SQ YD                               |
| 1     | 1.0  | 6.0    |                                    | 0.7                                 |
| 2     | 1.0  | 4.0    | 0.4                                |                                     |
| 3     | 1.0  | 6.0    |                                    | 0.7                                 |
| 4     | 1.0  | 6.0    |                                    | 0.7                                 |
| 5     | 1.0  | 6.0    |                                    | 0.7                                 |
| 6     | 1.0  | 6.0    |                                    | 0.7                                 |
| 7     | 1.0  | 6.0    |                                    | 0.7                                 |
| 8     | 1.0  | 6.0    |                                    | 0.7                                 |
| 9     | 1.0  | 6.0    |                                    | 0.7                                 |
| 10    | 1.0  | 5.0    | 0.6                                |                                     |
| 11    | 3.0  | 6.0    |                                    | 2.0                                 |
| 12    | 3.0  | 6.0    |                                    | 2.0                                 |
| 13    | 3.0  | 6.0    |                                    | 2.0                                 |
| 14    | 1.0  | 6.0    |                                    | 0.7                                 |
| 15    | 3.0  | 6.0    |                                    | 2.0                                 |
| 16    | 2.0  | 6.0    |                                    | 1.3                                 |
| 17    | 4.0  | 6.0    |                                    | 2.7                                 |
| 18    | 4.0  | 6.0    |                                    | 2.7                                 |

| PATCH | SIZE |        | DECK SLAB<br>REPAIR<br>(FD TYPE I) | DECK SLAB<br>REPAIR<br>(FD TYPE II) |
|-------|------|--------|------------------------------------|-------------------------------------|
|       | NO.  | LENGTH | WIDTH                              | SQ YD                               |
| 19    | 2.0  | 6.0    |                                    | 1.3                                 |
| 20    | 3.0  | 6.0    |                                    | 2.0                                 |
| 21    | 2.0  | 4.0    |                                    | 0.9                                 |
| 22    | 1.0  | 6.0    |                                    | 0.7                                 |
| 23    | 3.0  | 1.0    | 0.3                                |                                     |
| 24    | 1.0  | 6.0    |                                    | 0.7                                 |
| 25    | 3.0  | 1.0    | 0.3                                |                                     |
| 26    | 1.0  | 6.0    |                                    | 0.7                                 |
| 27    | 3.0  | 5.0    |                                    | 1.7                                 |
| 28    | 1.0  | 4.0    | 0.4                                |                                     |
| 29    | 1.0  | 4.0    | 0.4                                |                                     |
| 30    | 1.0  | 6.0    |                                    | 0.7                                 |
| 31    | 1.0  | 3.0    | 0.3                                |                                     |
| 32    | 1.0  | 6.0    |                                    | 0.7                                 |
| 33    | 3.0  | 6.0    |                                    | 2.0                                 |
| 34    | 1.0  | 4.0    | 0.4                                |                                     |
| 35    | 1.0  | 4.0    | 0.4                                |                                     |
| 36    | 1.0  | 4.0    | 0.4                                |                                     |

| PATCH | SIZE |        | DECK SLAB REPAIR (FD TYPE I) | DECK SLAB REPAIR (FD TYPE II) |
|-------|------|--------|------------------------------|-------------------------------|
|       | NO.  | LENGTH | WIDTH                        | SQ YD                         |
| 37    | 1.0  | 4.0    | 0.4                          |                               |
| 38    | 3.0  | 6.0    |                              | 2.0                           |
| 39    | 1.0  | 6.0    |                              | 0.7                           |
| 40    | 2.0  | 6.0    |                              | 1.3                           |
| 41    | 2.0  | 4.0    |                              | 0.9                           |
| 42    | 1.0  | 4.0    | 0.4                          |                               |
| 43    | 1.0  | 4.0    | 0.4                          |                               |
| 44    | 1.0  | 6.0    |                              | 0.7                           |
| 45    | 1.0  | 6.0    |                              | 0.7                           |
| 46    | 1.0  | 5.0    | 0.6                          |                               |
| 47    | 1.0  | 5.0    | 0.6                          |                               |
| 48    | 1.0  | 5.0    | 0.6                          |                               |
| 49    | 1.0  | 5.0    | 0.6                          |                               |
| 50    | 1.0  | 6.0    |                              | 0.7                           |
| 51    | 1.0  | 6.0    |                              | 0.7                           |
| 52    | 1.0  | 6.0    |                              | 0.7                           |
| 53    | 1.0  | 6.0    |                              | 0.7                           |
| 54    | 1.0  | 6.0    |                              | 0.7                           |

| PATCH | SIZE |        | DECK SLAB<br>REPAIR<br>(FD TYPE I) | DECK SLAB<br>REPAIR<br>(FD TYPE II) |
|-------|------|--------|------------------------------------|-------------------------------------|
|       | NO.  | LENGTH | WIDTH                              | SQ YD                               |
| 55    | 1.0  | 6.0    |                                    | 0.7                                 |
| 56    | 1.0  | 6.0    |                                    | 0.7                                 |
| 57    | 1.0  | 6.0    |                                    | 0.7                                 |
| 58    | 1.0  | 6.0    |                                    | 0.7                                 |
| 59    | 1.0  | 5.0    | 0.6                                |                                     |
| 60    | 1.0  | 5.0    | 0.6                                |                                     |
| 61    | 1.0  | 5.0    | 0.6                                |                                     |
| 62    | 1.0  | 6.0    |                                    | 0.7                                 |
| 63    | 1.0  | 5.0    | 0.6                                |                                     |
| 64    | 1.0  | 6.0    |                                    | 0.7                                 |
| 65    | 1.0  | 5.0    | 0.6                                |                                     |
| 66    | 1.0  | 6.0    |                                    | 0.7                                 |
| 67    | 1.0  | 5.0    | 0.6                                |                                     |
| 68    | 1.0  | 6.0    |                                    | 0.7                                 |
| 69    | 1.0  | 6.0    |                                    | 0.7                                 |
| 70    | 1.0  | 6.0    |                                    | 0.7                                 |
| 71    | 1.0  | 3.0    | 0.3                                |                                     |
| 72    | 1.0  | 5.0    | 0.6                                |                                     |

| PATCH | SIZE |     | DECK SLAB<br>REPAIR<br>(FD TYPE I) | DECK SLAB<br>REPAIR<br>(FD TYPE II) |
|-------|------|-----|------------------------------------|-------------------------------------|
|       |      |     | SQ YD                              | SQ YD                               |
| 73    | 1.0  | 6.0 |                                    | 0.7                                 |
| 74    | 1.0  | 5.0 | 0.6                                |                                     |
| 75    | 1.0  | 6.0 |                                    | 0.7                                 |
| TOTAL |      |     | 12.6                               | 50.6                                |

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 11-20-24  
SURVEY BY: DRL  
METHOD OF SURVEY: VISUAL

ESTIMATED  
PAY QUANTITIES:

DECK SLAB REPAIR  
(FULL DEPTH TYPE I)  
12.6 SQ YD

DECK SLAB REPAIR  
(FULL DEPTH TYPE II)  
50.6 SQ YD

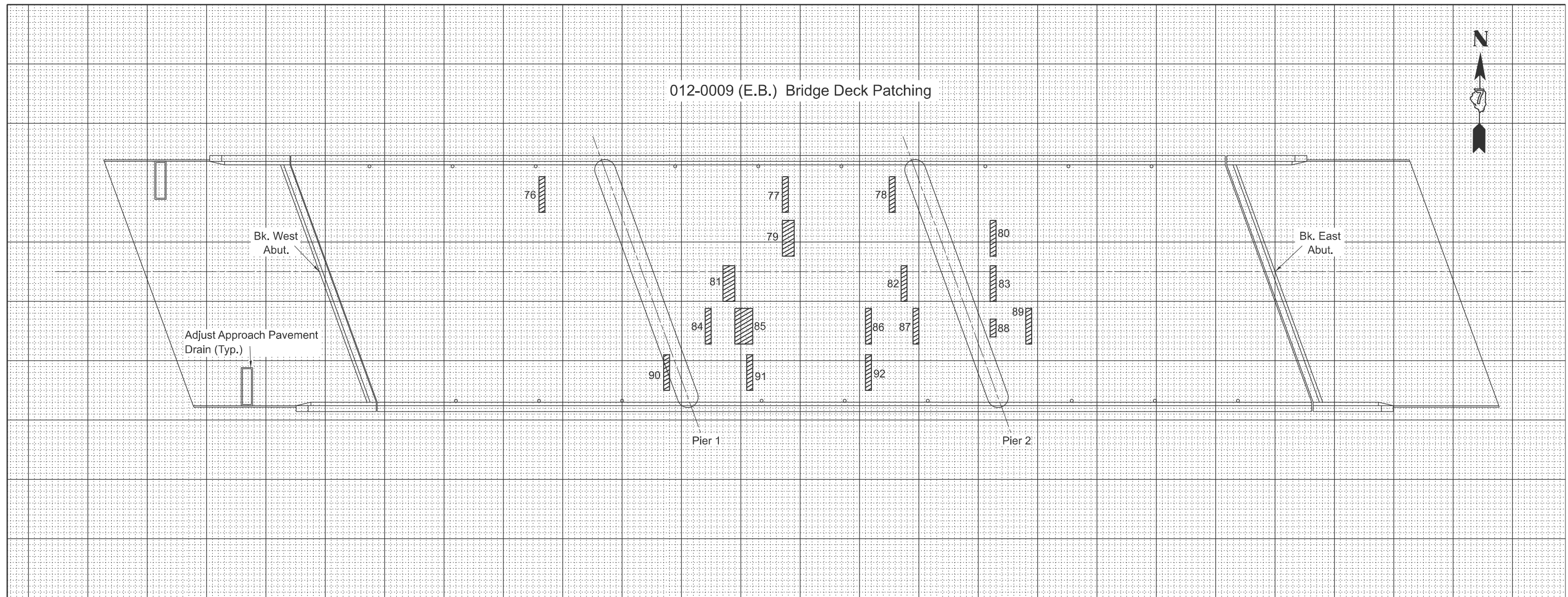
|                         |            |                        |
|-------------------------|------------|------------------------|
| USER NAME = dalton,jane | DESIGNED - | REVISED - D. Lane      |
|                         | DRAWN -    | REVISED - D. Lane      |
|                         | CHECKED -  | REVISED - L. Hille     |
| PLOT DATE = 4/24/2025   | DATE -     | REVISED - January 2025 |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING  
S.N. 012-0008 (W.B.)

SCALE: NOT TO SCALE SHEET 6 OF 9 SHEETS STA. TO STA.

| F.A.I<br>RTE.             | SECTION                  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------------|--------------------------|--------|-----------------|--------------|
| 70                        | D7 BRIDGE REPAIRS 2026-5 | CLARK  | 20              | 15           |
| CONTRACT NO. 74D11        |                          |        |                 |              |
| ILLINOIS FED. AID PROJECT |                          |        |                 |              |



| PATCH | SIZE   |       | DECK SLAB<br>REPAIR<br>(FD TYPE I) | DECK SLAB<br>REPAIR<br>(FD TYPE II) |
|-------|--------|-------|------------------------------------|-------------------------------------|
| NO.   | LENGTH | WIDTH | SQ YD                              | SQ YD                               |
| 76    | 1.0    | 6.0   |                                    | 0.7                                 |
| 77    | 1.0    | 6.0   |                                    | 0.7                                 |
| 78    | 1.0    | 6.0   |                                    | 0.7                                 |
| 79    | 2.0    | 6.0   |                                    | 1.3                                 |
| 80    | 2.0    | 6.0   |                                    | 1.3                                 |
| 81    | 1.0    | 6.0   |                                    | 0.7                                 |
| 82    | 1.0    | 6.0   |                                    | 0.7                                 |
| 83    | 1.0    | 6.0   |                                    | 0.7                                 |
| 84    | 1.0    | 6.0   |                                    | 0.7                                 |
| 85    | 3.0    | 6.0   |                                    | 2.0                                 |
| 86    | 1.0    | 6.0   |                                    | 0.7                                 |
| 87    | 1.0    | 6.0   |                                    | 0.7                                 |
| 88    | 1.0    | 3.0   | 0.3                                |                                     |
| 89    | 1.0    | 6.0   |                                    | 0.7                                 |
| 90    | 1.0    | 6.0   |                                    | 0.7                                 |
| 91    | 1.0    | 6.0   |                                    | 0.7                                 |
| 92    | 1.0    | 6.0   |                                    | 0.7                                 |
| TOTAL |        |       | 0.3                                | 13.7                                |

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 11-20-24  
SURVEY BY: DRL  
METHOD OF SURVEY: VISUAL

ESTIMATED  
PAY QUANTITIES:

DECK SLAB REPAIR  
(FULL DEPTH TYPE I)  
0.3 SQ YD

DECK SLAB REPAIR  
(FULL DEPTH TYPE II)  
13.7 SQ YD

Notes:

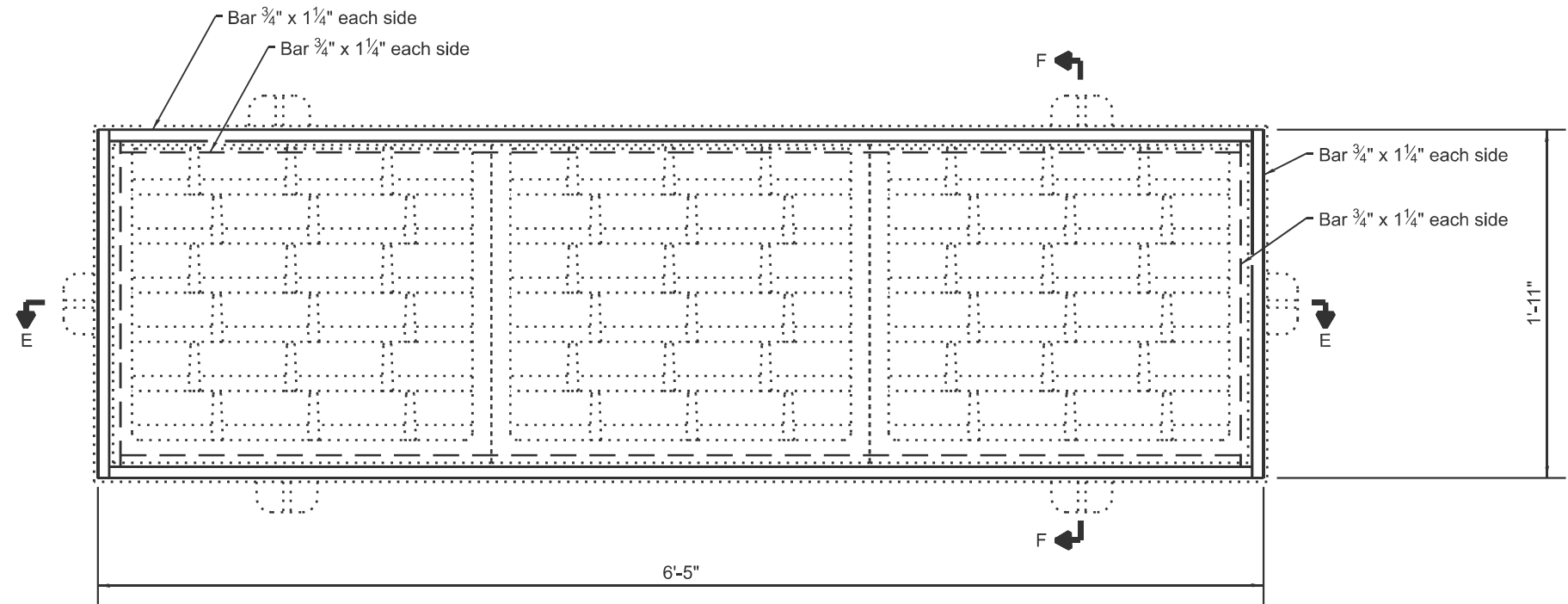
All structural steel shall conform to AASHTO Classification M-270 Gr. 36.

The adjusting ring shall be galvanized according to AASHTO M111.

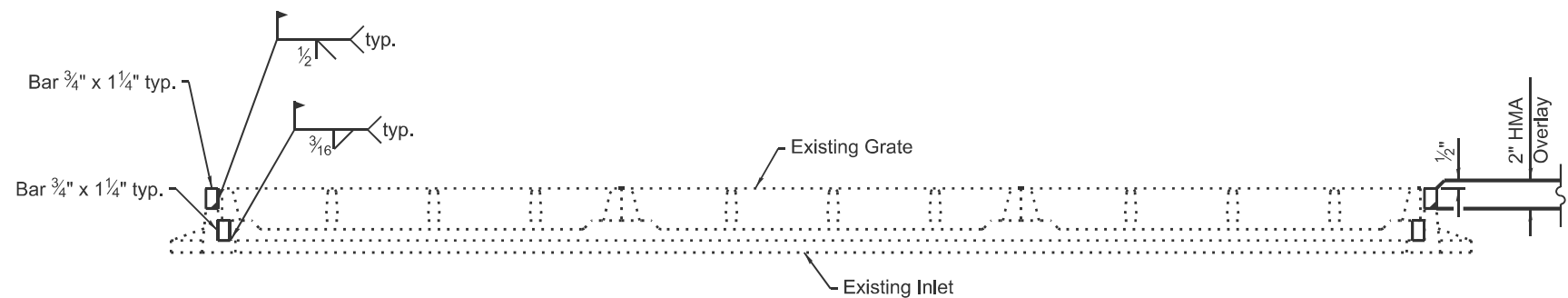
The contractor shall ensure no damage is done to existing grates to be reused.

Shop plans for proposed adjusting ring shall be submitted for approval prior to fabrication.

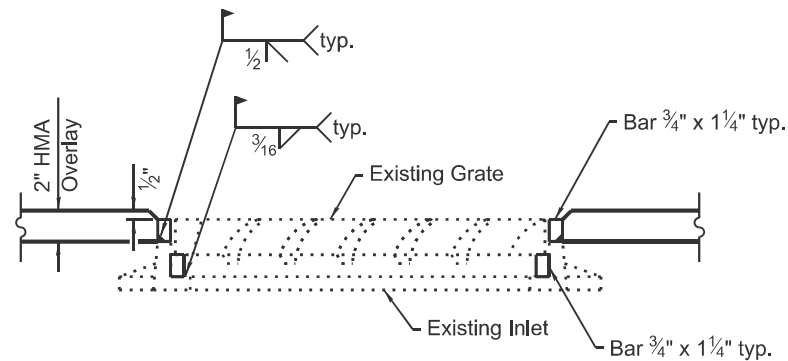
Cost of all labor and materials necessary to remove existing grates, clean existing drains, install adjusting rings, and reinstalling grates is included in the cost per unit each for Inlets To Be Adjusted (Special).



PLAN



SECTION E-E



SECTION F-F

| ITEM                            | UNIT | QUANTITY |
|---------------------------------|------|----------|
| Inlets To Be Adjusted (Special) | Each | 4        |

MODEL: Sheet 8 [Sheet]  
FILE NAME: c:\p\work\wikidollanecr\100114\ID774D11\_Bridge Repair Sheets.dgn

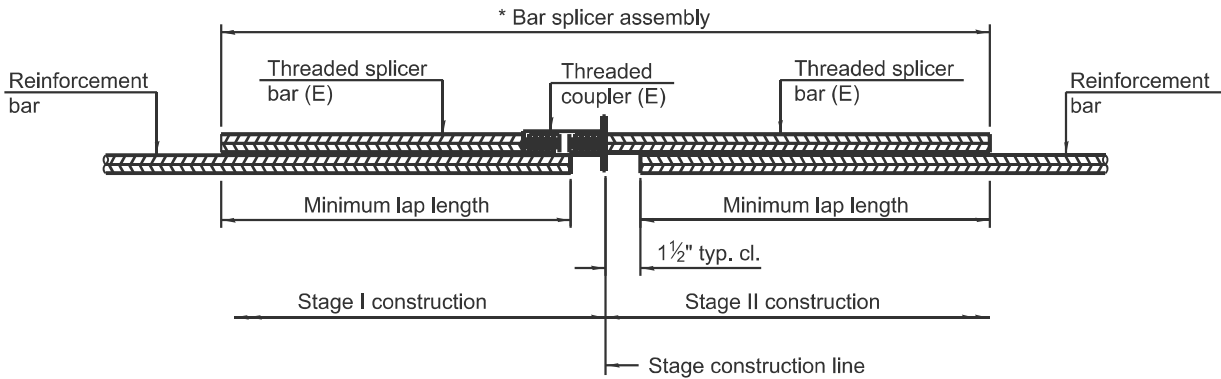
|  |                         |                     |           |
|--|-------------------------|---------------------|-----------|
|  | USER NAME = dalton.lane | DESIGNED - D. Lane  | REVISED - |
|  |                         | DRAWN - D. Lane     | REVISED - |
|  |                         | CHECKED - L. Hille  | REVISED - |
|  | PLOT DATE = 4/24/2025   | DATE - January 2025 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                                                                           |         |             |              |
|---------------------------------------------------------------------------|---------|-------------|--------------|
| BRIDGE APPROACH SHOULDER INLETS<br>S.N. 012-0008 (W.B.) & 012-0009 (E.B.) |         |             |              |
| SCALE: NOT TO SCALE                                                       | SHEET 8 | OF 9 SHEETS | STA. TO STA. |

| F.A.I<br>RTE.             | SECTION                  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------------|--------------------------|--------|-----------------|--------------|
| 70                        | D7 BRIDGE REPAIRS 2026-5 | CLARK  | 20              | 17           |
| CONTRACT NO. 74D11        |                          |        |                 |              |
| ILLINOIS FED. AID PROJECT |                          |        |                 |              |

MODEL: Sheet 9 [Sheet]  
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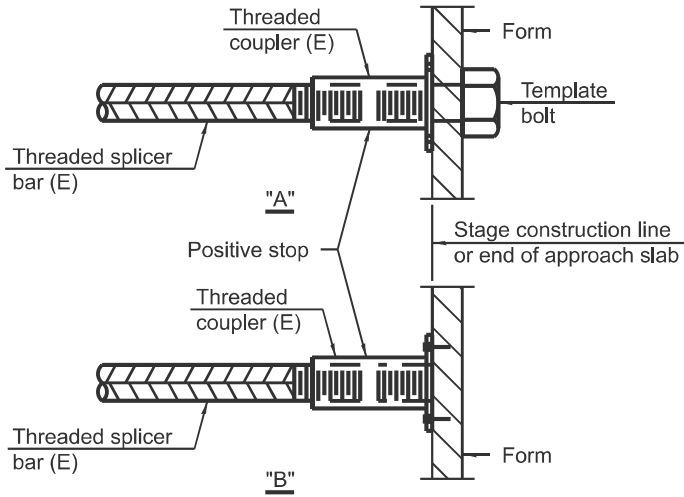
### STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

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

| Location    | Bar Size | No. assemblies required | Minimum lap length |
|-------------|----------|-------------------------|--------------------|
| Deck        | #7       | 8                       | 4'-8"              |
| Hatch Block | #6       | 16                      | 3'-7"              |
|             |          |                         |                    |

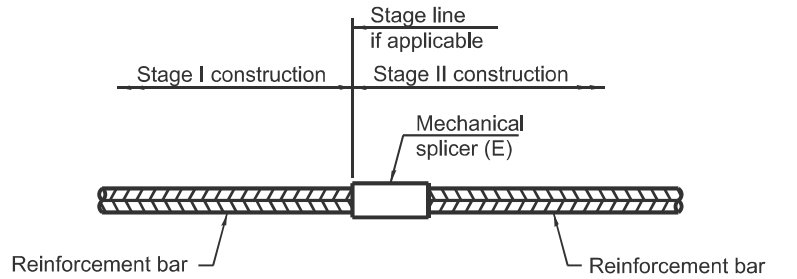


### INSTALLATION AND SETTING METHODS

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

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

(E) : Indicates epoxy coating.



### STANDARD MECHANICAL SPLICER

| Location | Bar Size | No. assemblies required |
|----------|----------|-------------------------|
|          |          |                         |
|          |          | .                       |
|          |          |                         |

#### Notes:

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

All reinforcement shall be lapped and tied to the splicer bars.

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

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

BSD-1

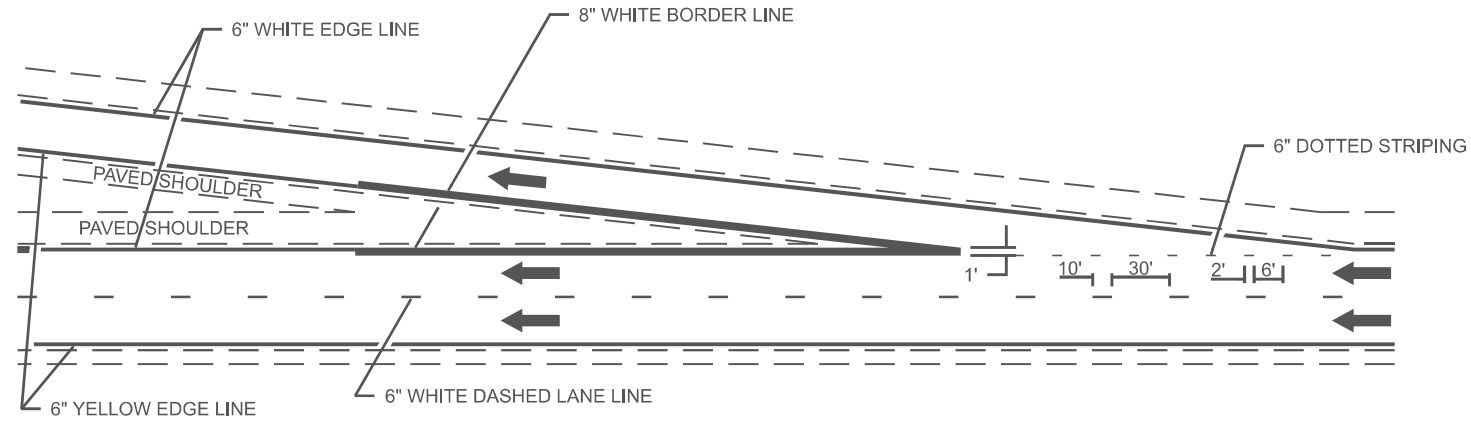
5-15-2023

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

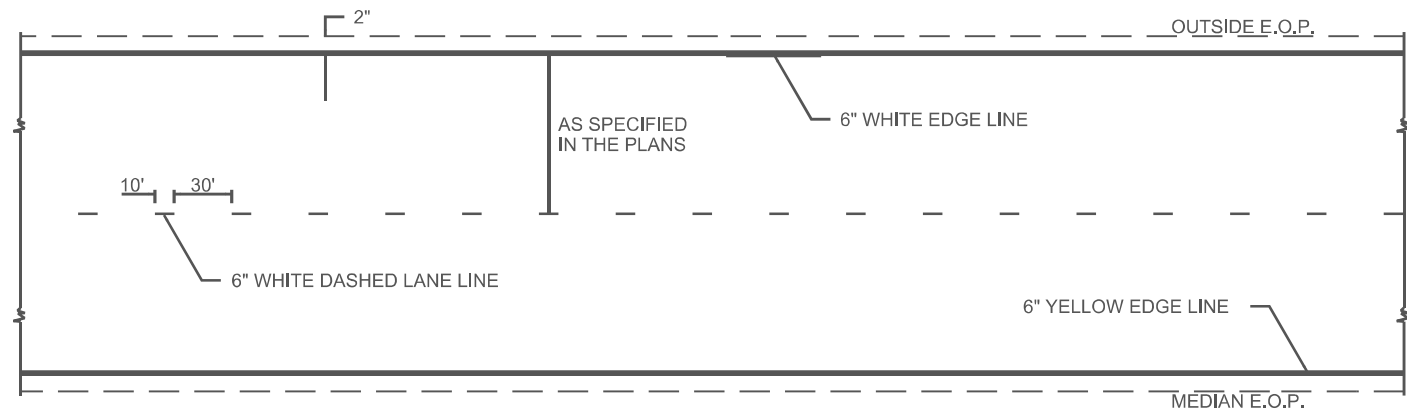
BAR SPLICER ASSEMBLY & MECHANICAL SPLICER DETAILS  
S.N. 012-0008 (W.B.) & 012-0009 (E.B.)

SCALE: NOT TO SCALE SHEET 9 OF 9 SHEETS STA. TO STA.

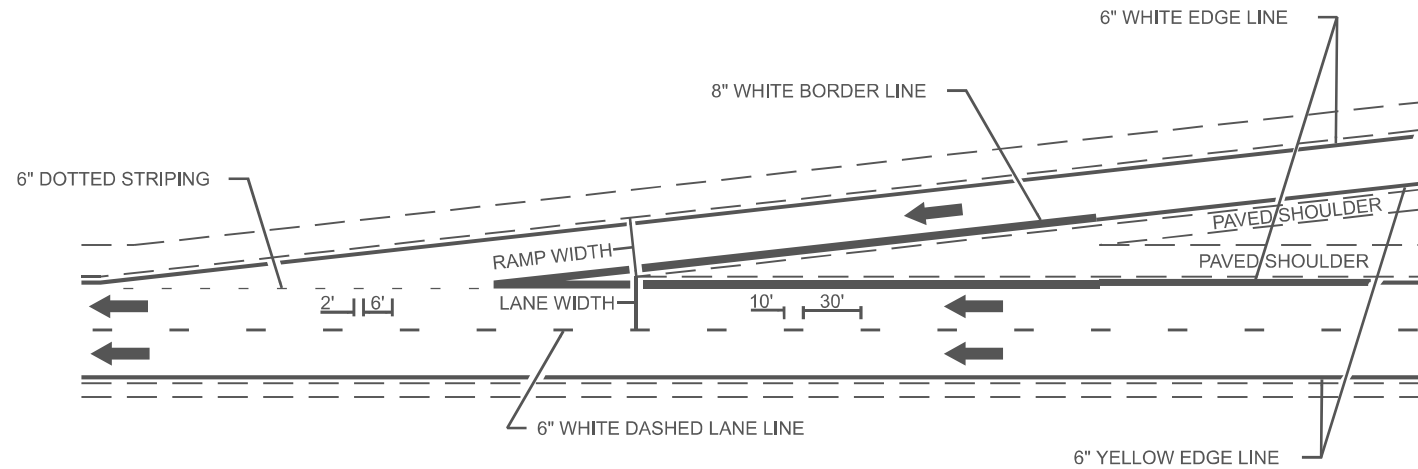
| F.A.I<br>RTE. | SECTION                  | COUNTY             | TOTAL<br>SHEETS  | SHEET<br>NO. |
|---------------|--------------------------|--------------------|------------------|--------------|
| 70            | D7 BRIDGE REPAIRS 2026-5 | CLARK              | 20               | 18           |
|               |                          | CONTRACT NO. 74D11 |                  |              |
|               |                          | ILLINOIS           | FED. AID PROJECT |              |



TYPICAL EXIT RAMP MARKING



TYPICAL CENTERLINE & EDGELINE MARKINGS



TYPICAL ENTRANCE RAMP MARKING

NOT TO SCALE

DISTRICT 7 DETAIL NO. 78000002

|  |                       |            |           |
|--|-----------------------|------------|-----------|
|  | USER NAME = levi.lund | DESIGNED - | REVISED - |
|  |                       | DRAWN -    | REVISED - |
|  |                       | CHECKED -  | REVISED - |
|  | PLOT DATE = 6/3/2025  | DATE -     | REVISED - |

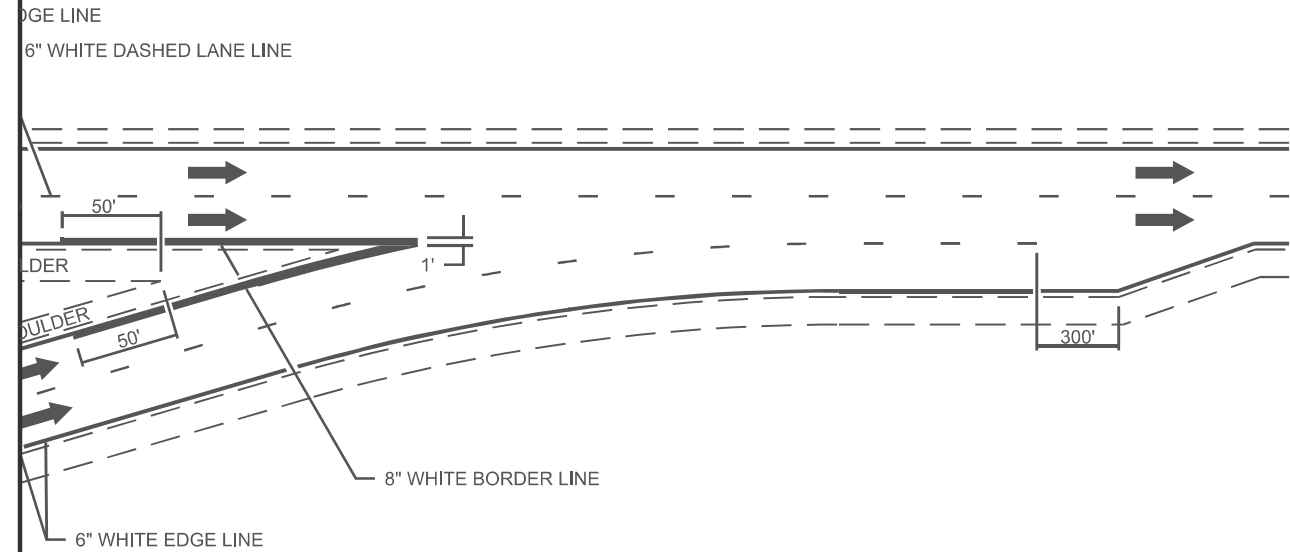
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY  
PAVEMENT MARKING

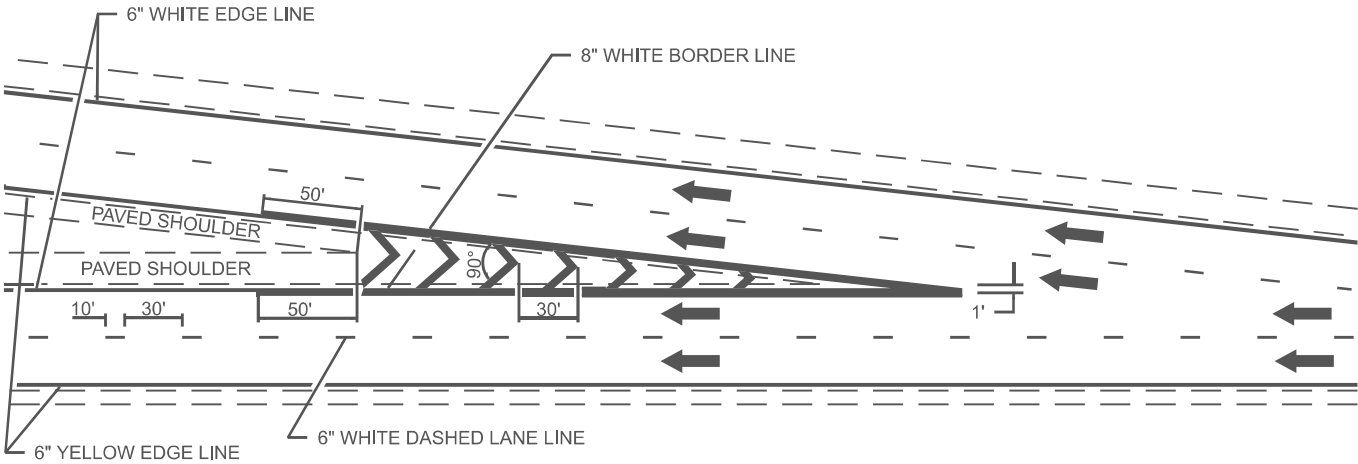
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

| F.A.I<br>RTE.             | SECTION                  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|---------------------------|--------------------------|--------|-----------------|--------------|
| 70                        | D7 BRIDGE REPAIRS 2026-5 | CLARK  | 20              | 19           |
| CONTRACT NO. 74D11        |                          |        |                 |              |
| ILLINOIS FED. AID PROJECT |                          |        |                 |              |

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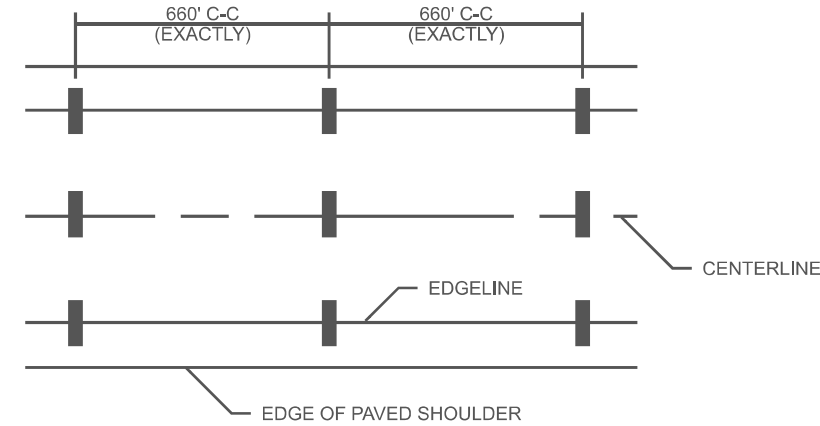


TYPICAL CONVERGENCE MARKING

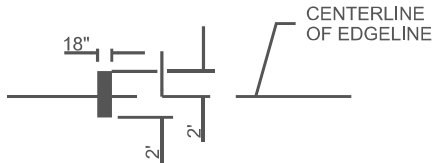


TYPICAL DIVERGENCE MARKING

AERIAL SPEED CHECK ZONES



IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



NOT TO SCALE

DISTRICT 7 DETAIL NO. 78000002

MODEL: Striping Details2 (Sheet)  
FILE NAME: c:\pav\work\striping\lund\1001132\074D11-shd-details.dgn

|  |                       |            |           |                                                   |                                                                |         |             |                    |                          |                           |                 |              |
|--|-----------------------|------------|-----------|---------------------------------------------------|----------------------------------------------------------------|---------|-------------|--------------------|--------------------------|---------------------------|-----------------|--------------|
|  | USER NAME = levi.lund | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY<br>PAVEMENT MARKING |         |             | F.A.I<br>RTE.      | SECTION                  | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
|  |                       | DRAWN -    | REVISED - |                                                   |                                                                |         |             | 70                 | D7 BRIDGE REPAIRS 2026-5 | CLARK                     | 20              | 20           |
|  |                       | CHECKED -  | REVISED - |                                                   |                                                                |         |             | CONTRACT NO. 74D11 |                          |                           |                 |              |
|  | PLOT DATE = 6/3/2025  | DATE -     | REVISED - |                                                   | SCALE:                                                         | SHEET 2 | OF 2 SHEETS | STA.               | TO STA.                  | ILLINOIS FED. AID PROJECT |                 |              |