03-11-2022 LETTING ITEM 063

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 * | 1 |
| | ILLINOIS | CONTRACT NO. 72M28 | | |

* 21 + 1 = 22 TOTAL SHEETS

D-96-098-20

**HIGHWAY CLASSIFICATION**

| | | |
|---|---|---|
| A.D.T. (2019) | 1,150 | PV = 87.83% |
| PROJECTED ADT (2039) | 1,250 | SU = 4.35% |
| DESIGN SPEED | 55 | MU = 7.83% |
| POSTED SPEED | 55 | |

CLASSIFICATION: MINOR ARTERIAL

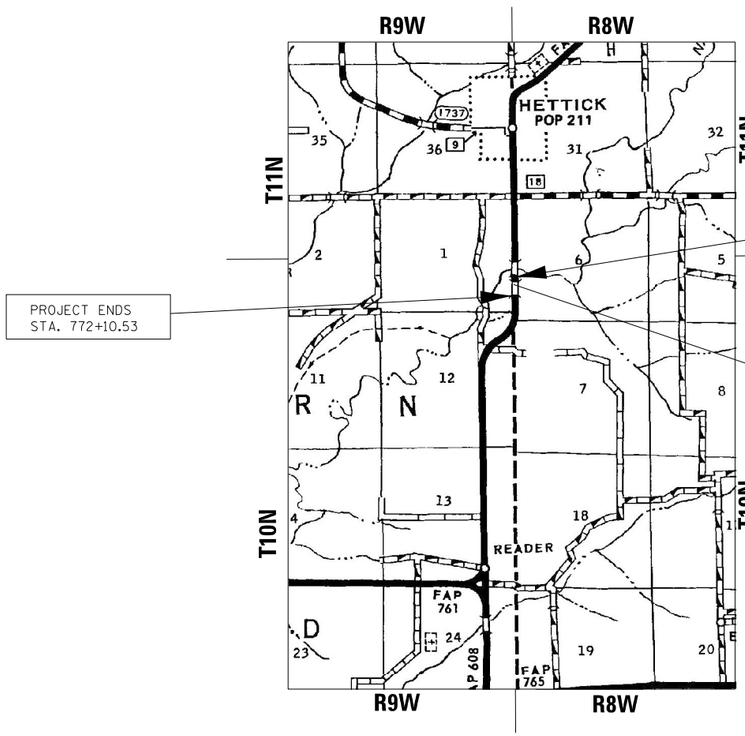
FOR INDEX OF SHEETS, SEE SHEET NO. 2

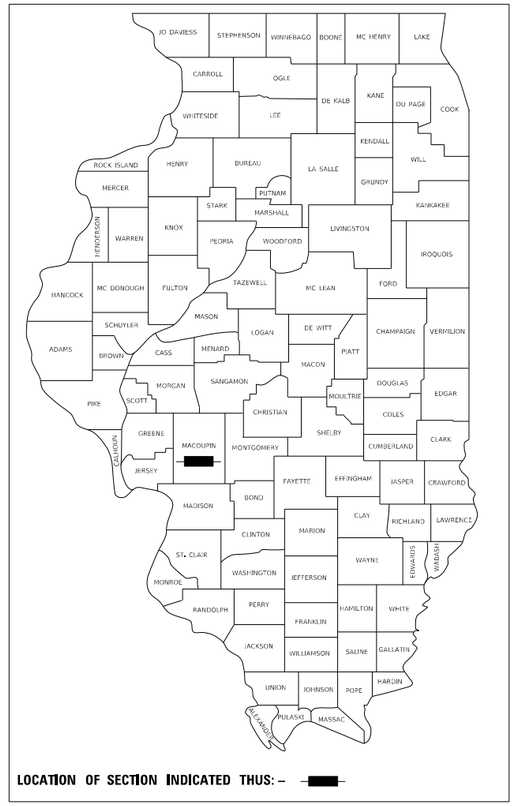
# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

# PROPOSED HIGHWAY PLANS

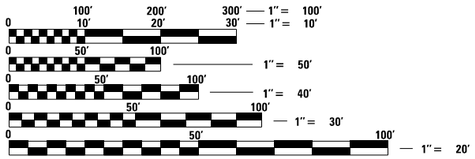
## FAP 608 (ROUTE IL 111)
## SECTION (122) BDR
## PROJECT STP–6GWY(739)
## BRIDGE DECK OVERLAY
## MACOUPIN COUNTY

C–96–128–20




LOCATION OF SECTION INDICATED THUS: – ■ –




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 EXCAVATORS
1–800–892–0123
OR 811

GROSS LENGTH = 600.85 FT. = 0.114 MILE
NET LENGTH = 600.85 FT. = 0.114 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 23 20 21
REGIONAL ENGINEER
February 4 20 22
ENGINEER OF DESIGN AND ENVIRONMENT
February 4 20 22
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: JAY EDWARDS (217–785–0596)
PROJECT MANAGER: ROBERT MILES (217–524–8911)

CONTRACT NO. 72M28

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. - MS

## STANDARDS

| | |
|---|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
| 630001-12 | STEEL PLATE BEAM GUARDRAIL |
| 630301-09 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631031-17 | TRAFFIC BARRIER TERMINAL, TYPE 6 |
| 701001-02 | OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY |
| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701306-04 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY |
| 701316-13 | LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH |
| 701901-08 | TRAFFIC CONTROL DEVICES |
| 725001-01 | OBJECT AND TERMINAL MARKERS |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| 781001-04 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |
| 782006-01 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 420001-10 | PAVEMENT JOINTS |
| 610001-09 | SHOULDER INLET WITH CURB |

## INDEX OF SHEETS



## GENERAL NOTES

1 SYNTHETIC FIBERS ARE NOT REQUIRED IN THE BRIDGE DECK MICROSILICA OVERLAY.
2 AREAS OF DECK REPAIR SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.
3 ANY FULL DEPTH PATCHES THAT ARE DISCOVERED SHALL BE COVERED WHEN WORKERS ARE NOT PRESENT

## RATE TABLE

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.

BITUMINOUS MATERIALS (TACK COAT): 0.05 LBS/SQ FT (MILLING, CONCRETE)
0.025 LBS/SQ FT (HMA LIFTS)
HMA SURFACE MIX "C": 0.056 TONS/SQ YD*INCH

## COMMITMENTS

NONE

MIXTURE TABLES

| Location(s): | FAP 608 (IL 111) | FAP 608 (IL 111) |
|---|---|---|
| MIXTURE USE(S): | HMA SURFACE COURSE | HMA SHOULDERS |
| PG: | PG 64-22 | PG 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ N50 | 4.0% @ N50 |
| Mixture Composition: | IL-9.5 | IL-9.5 |
| FRICTION AGGREGATE: | MIX "C" | MIX "C" |
| MIXTURE WEIGHT: | 112 LB/SY*IN | 112 LB/SY*IN |
| Quality Management: | QC/QA | QC/QA |
| Mixture Sublot Size: | N/A | N/A |
| MATERIAL TRANSFER DEVICE REQUIRED: | NO | NO |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**
**DIVISION OF HIGHWAYS**
**DISTRICT 6**

EXAMINED December 17 20 21
ENGINEER OF OPERATIONS

EXAMINED December 21 20 21
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED December 20 20 21
ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

| | | |
|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - |

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

**INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES**

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 2 |
| | | CONTRACT NO. 72M28 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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| | | | | 6-01453-0000 |
|---|---|---|---|---|
| | | | | 80% FEDERAL 20% STATE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | BRIDGE 0059 S.N. 059-0500 |
| | | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 207 | 207 |
| | | | | |
| 40600370 | LONGITUDINAL JOINT SEALANT | FOOT | 70 | 70 |
| | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 249 | 249 |
| | | | | |
| 40600990 | TEMPORARY RAMP | SQ YD | 85 | 85 |
| | | | | |
| 40604050 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 | TON | 39 | 39 |
| | | | | |
| 48203100 | HOT-MIX ASPHALT SHOULDERS | TON | 6 | 6 |
| | | | | |
| 50102400 | CONCRETE REMOVAL | CU YD | 4 | 4 |
| | | | | |
| 50300255 | CONCRETE SUPERSTRUCTURE | CU YD | 5.4 | 5.4 |
| | | | | |
| 50300260 | BRIDGE DECK GROOVING | SQ YD | 1202 | 1202 |
| | | | | |
| 50300300 | PROTECTIVE COAT | SQ YD | 1241 | 1241 |
| | | | | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 400 | 400 |
| | | | | |
| 50800515 | BAR SPLICERS | EACH | 8 | 8 |
| | | | | |
| 52000110 | PREFORMED JOINT STRIP SEAL | FOOT | 69 | 69 |
| | | | | |
| * 63000001 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | FOOT | 425 | 425 |
| | | | | |

* SPECIALTY ITEM

REV. - MS

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| | | | |
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - | |

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

**SUMMARY OF QUANTITIES**

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 3 |
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS | FED. AID PROJECT | | |

| | | | | 6-01453-0000<br>80% FEDERAL<br>20% STATE |
|---|---|---|---|---|
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | BRIDGE<br>0059<br>S.N. 059-0500 |
| | | | | |
| * 63100085 | TRAFFIC BARRIER TERMINAL, TYPE 6 | EACH | 4 | 4 |
| | | | | |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 3 | 3 |
| | | | | |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 733 | 733 |
| | | | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 6 | 6 |
| | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 |
| | | | | |
| 70100100 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 | EACH | 1 | 1 |
| | | | | |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 1 |
| | | | | |
| 70106500 | TEMPORARY BRIDGE TRAFFIC SIGNALS | EACH | 1 | 1 |
| | | | | |
| 70106700 | TEMPORARY RUMBLE STRIPS | EACH | 6 | 6 |
| | | | | |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 28 | 28 |
| | | | | |
| * 72501000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 3 | 3 |
| | | | | |
| * 78009005 | MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | FOOT | 1352 | 1352 |
| | | | | |
| * 78200005 | GUARDRAIL REFLECTORS, TYPE A | EACH | 16 | 16 |
| | | | | |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 1 | 1 |
| | | | | |

* SPECIALTY ITEM



| | | | |
|---|---|---|---|
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| | DRAWN - | REVISED - | |
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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 4 |
| | | CONTRACT NO. 72M28 | | |
| | | ILLINOIS | FED. AID PROJECT | |

| | | | | 6-01453-0000 |
|---|---|---|---|---|
| | | | | 80% FEDERAL 20% STATE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | BRIDGE 0059 S.N. 059-0500 |
| | | | | |
| 78300202 | PAVEMENT MARKING REMOVAL - WATER BLASTING | SQ FT | 250 | 250 |
| | | | | |
| * X5060601 | CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1 | L SUM | 1 | 1 |
| | | | | |
| X6024503 | INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL) | EACH | 4 | 4 |
| | | | | |
| X7200201 | WIDTH RESTRICTION SIGNING | L SUM | 1 | 1 |
| | | | | |
| Z0001800 | APPROACH SLAB REPAIR (PARTIAL DEPTH) | SQ YD | 3 | 3 |
| | | | | |
| * Z0010501 | CLEANING AND PAINTING STEEL BRIDGE NO. 1 | L SUM | 1 | 1 |
| | | | | |
| Z0012130 | BRIDGE DECK SCARIFICATION 3/4" | SQ YD | 1223 | 1223 |
| | | | | |
| Z0012164 | BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/2" | SQ YD | 1223 | 1223 |
| Ø Z0076600 | TRAINEES | HOUR | 500 | 500 |
| Z0012754 | STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES) | SQ FT | 35 | 35 |
| Ø Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOUR | 500 | 500 |
| Z0016200 | DECK SLAB REPAIR (PARTIAL DEPTH) | SQ YD | 253 | 253 |

* SPECIALTY ITEM

Ø 0042

REV. - MS

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|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/23/2021 | DATE - | REVISED - | |

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

**SUMMARY OF QUANTITIES**

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 5 |
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## HMA SCHEDULE

| LOCATION | 40600290 BITUMINOUS MATERIALS (TACK COAT) | 40600370 LONGITUDINAL JOINT SEALANT | 40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | 40604050 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 | 48203100 HOT-MIX ASPHALT SHOULDERS | NOTES |
|---|---|---|---|---|---|---|
| | POUND | FOOT | SQ YD | TON | TON | |
| FAP 608 (IL 111) | | | | | | |
| STA 766+09.7 TO 766+44.7 LEFT SHLDR | 7 | | 15.6 | | 1.5 | BUTT JOINT |
| STA 766+09.7 TO 766+44.7 RIGHT SHLDR | 7 | | 15.6 | | 1.5 | BUTT JOINT |
| STA 766+09.7 TO 766+44.7 MAINLINE | 42 | 35 | 93.3 | 9.1 | | BUTT JOINT |
| STA 766+44.7 TO 766+74.5 BRIDGE APPROACH | 47 | | | 10.2 | | APPROACH OVERLAY |
| STA 771+45.3 TO 771+75.5 BRIDGE APPROACH | 48 | | | 10.4 | | APPROACH OVERLAY |
| STA 771+75.5 TO 772+10.5 LEFT SHLDR | 7 | | 15.6 | | 1.5 | BUTT JOINT |
| STA 771+75.5 TO 772+10.5 RIGHT SHLDR | 7 | | 15.6 | | 1.5 | BUTT JOINT |
| STA 771+75.5 TO 772+10.5 MAINLINE | 42 | 35 | 93.3 | 9.1 | | BUTT JOINT |
| **TOTAL** | **207** | **70** | **248.9** | **38.9** | **6.1** | |
| **USE** | **207** | **70** | **249** | **39** | **6** | |

## GUARDRAIL SCHEDULE

| LOCATION | 63000001 STEEL PLATE GUARDRAIL TYPE A, 6' POSTS | 63100085 TRAFFIC BARRIER TERMINAL, TYPE 6 | 63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | 63200310 GUARDRAIL REMOVAL | 7250100 TERMINAL MARKER-DIRECT APPLIED | 78200005 GUARDRAIL REFLECTORS, TYPE A |
|---|---|---|---|---|---|---|
| | FOOT | EACH | EACH | FOOT | EACH | EACH |
| FAP 608 (IL 111) | | | | | | |
| STA 764+60.3 TO 766+66.6 RIGHT | 118.8 | 1 | 1 | 211 | 1 | 4 |
| STA 765+61.0 TO 766+67.0 LEFT | 69.5 | 1 | 0 | 107 | 0 | 4 |
| STA 771+53.3 TO 773+14.0 RIGHT | 72.3 | 1 | 1 | 161 | 1 | 4 |
| STA 771+45.3 TO 774+00.0 LEFT | 159.0 | 1 | 1 | 255 | 1 | 4 |
| **TOTAL** | **419.6** | **4** | **3** | **733** | **3** | **16** |
| **USE** | **425** | | | | | |

## PAVEMENT MARKINGS SCHEDULE

| LOCATION | 78009005 MODIFIED URETHANE PAVEMENT MARKING LINE 5" | 78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING | NOTES |
|---|---|---|---|
| | FOOT | SQ FT | |
| FAP 608 (IL 111) | | | |
| STA 766+09.7 TO 772+10.5 | | 250 | LEFT EDGE LINE (5") |
| STA 766+09.7 TO 772+10.5 | 601 | | FINAL EDGE LINE (WHITE) EB |
| STA 766+09.7 TO 772+10.5 | 150 | | FINAL CENTERLINE EB |
| STA 766+09.7 TO 772+10.5 | 601 | | FINAL EDGE LINE (YELLOW) EB |
| **TOTAL** | **1352** | **250** | |

## RAISED REFLECTIVE PM SCHEDULE

| LOCATION | 78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL |
|---|---|
| FAP 608 (IL 111) | EACH |
| STA 771+45.3 TO 771+75.5 | 1 |
| **TOTAL** | **1** |

## ADJUSTMENTS SCHEDULE

| LOCATION | X6024503 INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL) |
|---|---|
| | EACH |
| SN 059-0500 | |
| SOUTH APPROACH | 2 |
| NORTH APPROACH | 2 |
| **TOTAL** | **4** |

## TEMPORARY RAMP SCHEDULE

| LOCATION | 40600990 TEMPORARY RAMP | NOTES |
|---|---|---|
| | SQ YD | |
| STA 766+09.68 | 21.3 | 6' X 32' |
| STA 766+44.68 | 21.3 | 6' X 32' |
| STA 771+45.27 | 21.3 | 6' X 32' |
| STA 772+10.53 | 21.3 | 6' X 32' |
| **TOTAL** | **85** | |

REV. - MS



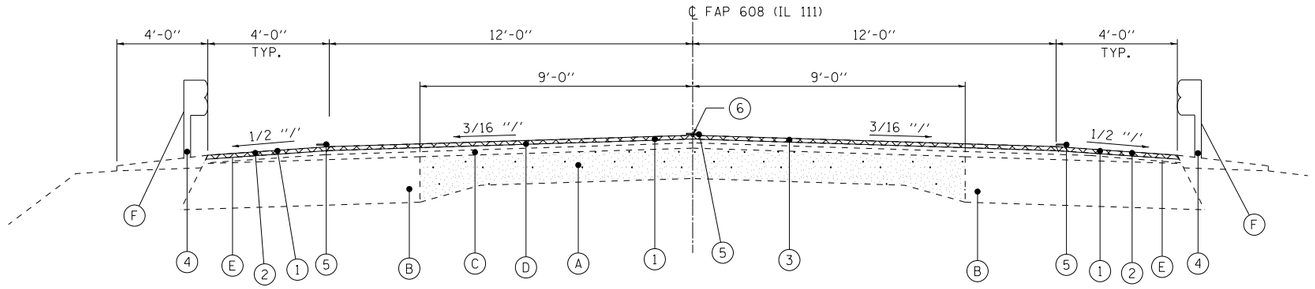
| | | | |
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - | |

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

**SCHEDULES**

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 6 |
| | | CONTRACT NO. 72M28 | | |
| | | ILLINOIS | FED. AID PROJECT | |




**TYPICAL FAP 608 (IL 111) SECTION**

STA 766+09.68 TO STA 766+74.54
STA 771+45.27 TO STA 772+10.53

## EXISTING LEGEND

- (A) EXISTING PCC PAVEMENT, 9"-6"-9"
- (B) EXISTING HMA BASE COURSE WIDENING, 9"
- (C) EXISTING HMA OVERLAY, 1" (TYPICAL)
- (D) EXISTING HMA OVERLAY, 1 1/2" (TYPICAL)
- (E) EXISTING HMA SHOULDERS, VARIABLE DEPTH
- (F) EXISTING GUARDRAIL

## PROPOSED LEGEND

- (1) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (BUTT JOINT)
- (2) PROPOSED HMA SHOULDERS, 1 3/4"
- (3) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 3/4"
- (4) PROPOSED STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR LOCATIONS)
- (5) PROPOSED MODIFIED URETHANE PAVEMENT MARKING LINE 5"
- (6) PROPOSED LONGITUDINAL JOINT SEAL



| | | | |
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - | |

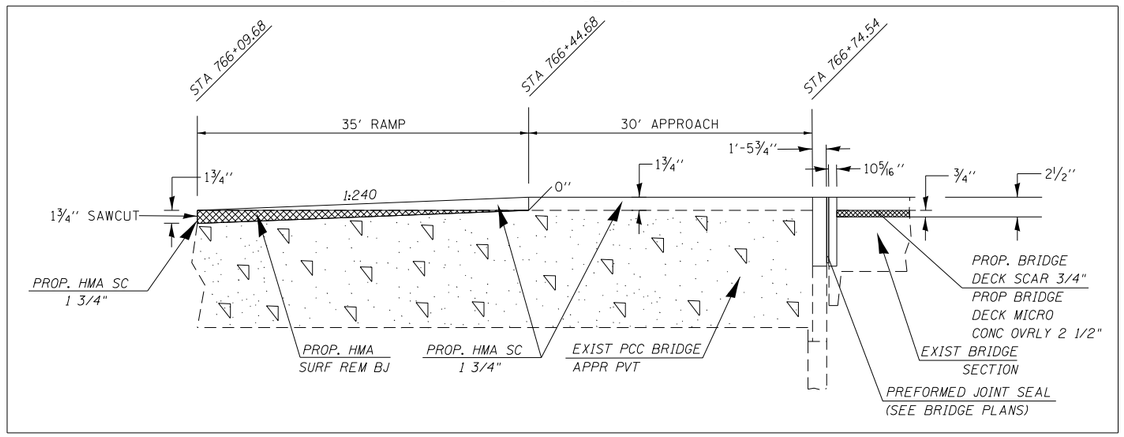
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

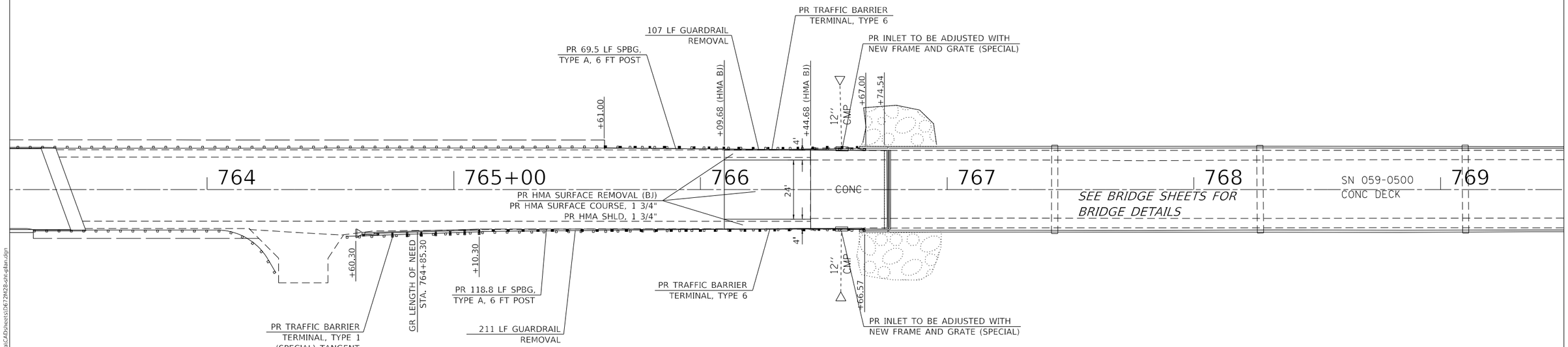
**TYPICAL SECTIONS**
**FAP 608 (IL 111)**

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 7 |
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS | FED. AID PROJECT | | |

BUTT JOINT DETAIL

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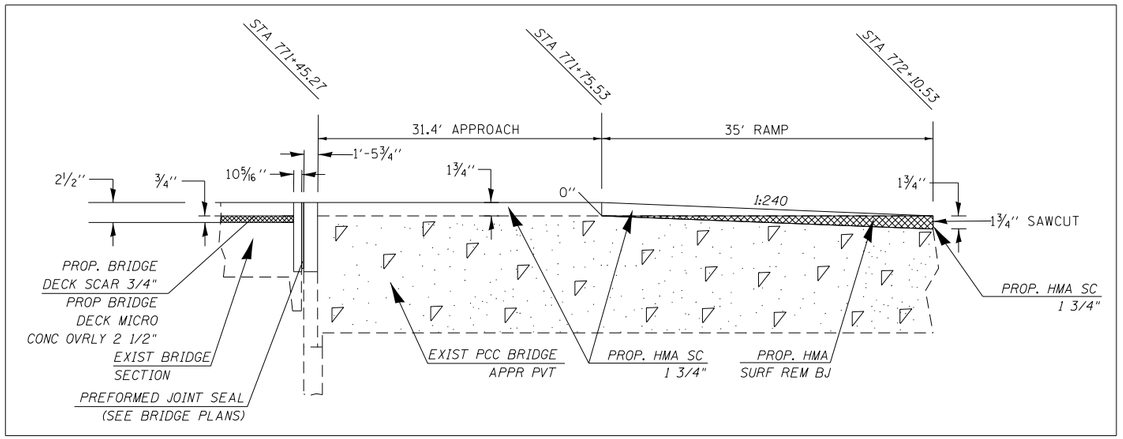
| | | | |
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | **STATE OF ILLINOIS** |
| | DRAWN - | REVISED - | **DEPARTMENT OF TRANSPORTATION** |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - | |

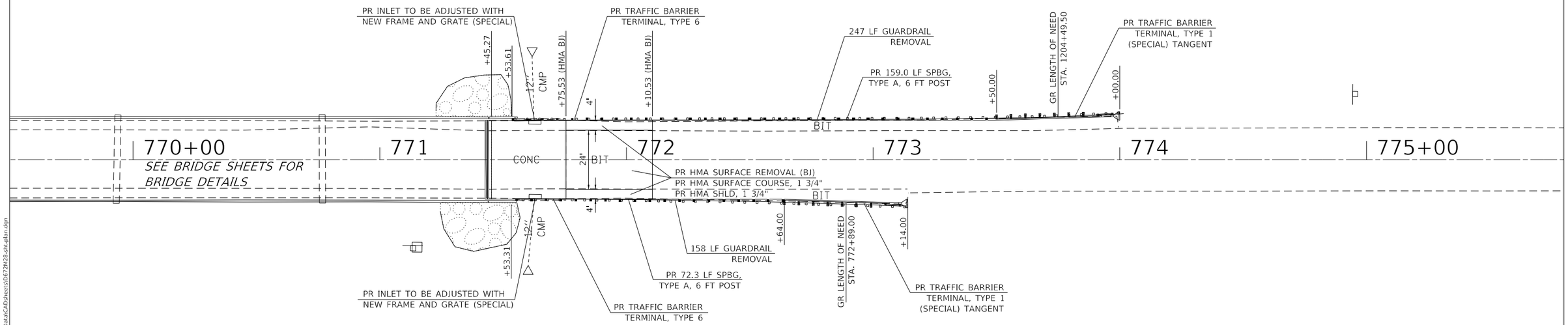
**PLAN SHEET**
**FAP 608 (IL 111)**

SCALE: 20 | SHEET 1 OF 2 SHEETS | STA. 763+80 | TO STA. 769+50

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 8 |
| | | CONTRACT NO. 72M28 | | |
| | | ILLINOIS | FED. AID PROJECT | |

BUTT JOINT DETAIL



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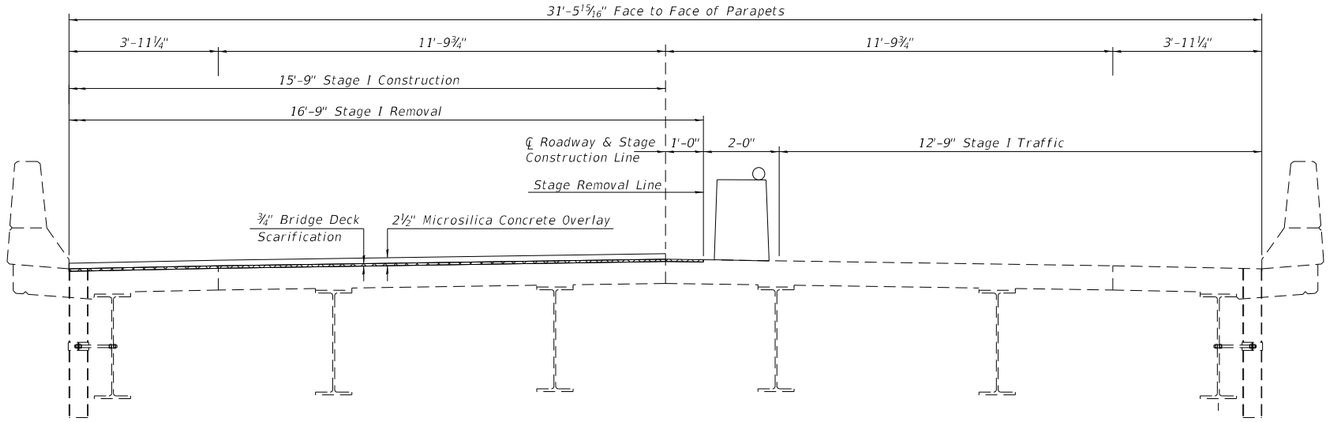
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - | |

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

**PLAN SHEET**
**FAP 608 (IL 111)**

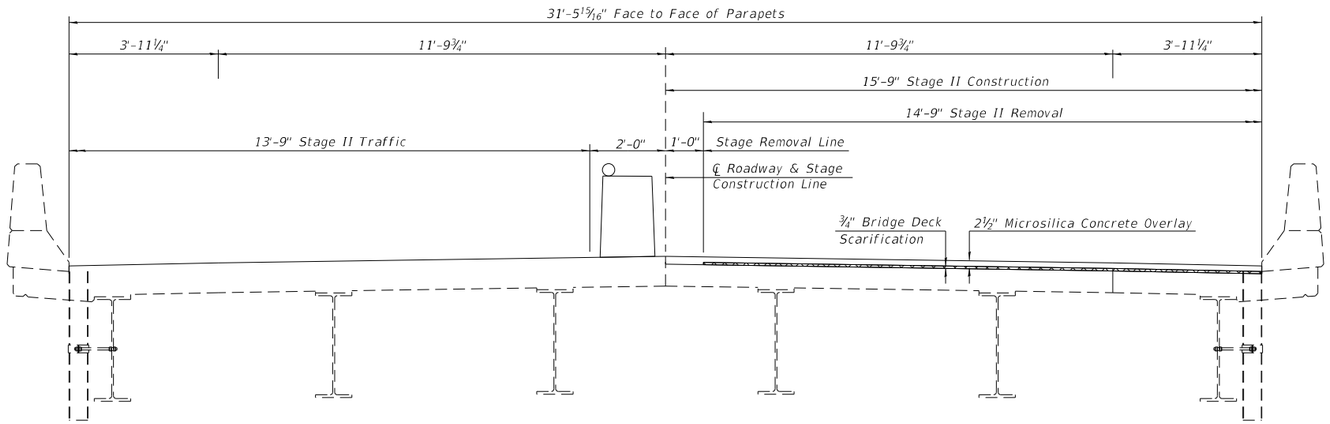
SCALE: 20 | SHEET 2 OF 2 SHEETS | STA. 769+50 TO STA. 775+80

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 9 |
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## STAGE I TRAFFIC CONTROL TYPICAL SECTION

*(Looking North)*




## STAGE II TRAFFIC CONTROL TYPICAL SECTION

*(Looking North)*



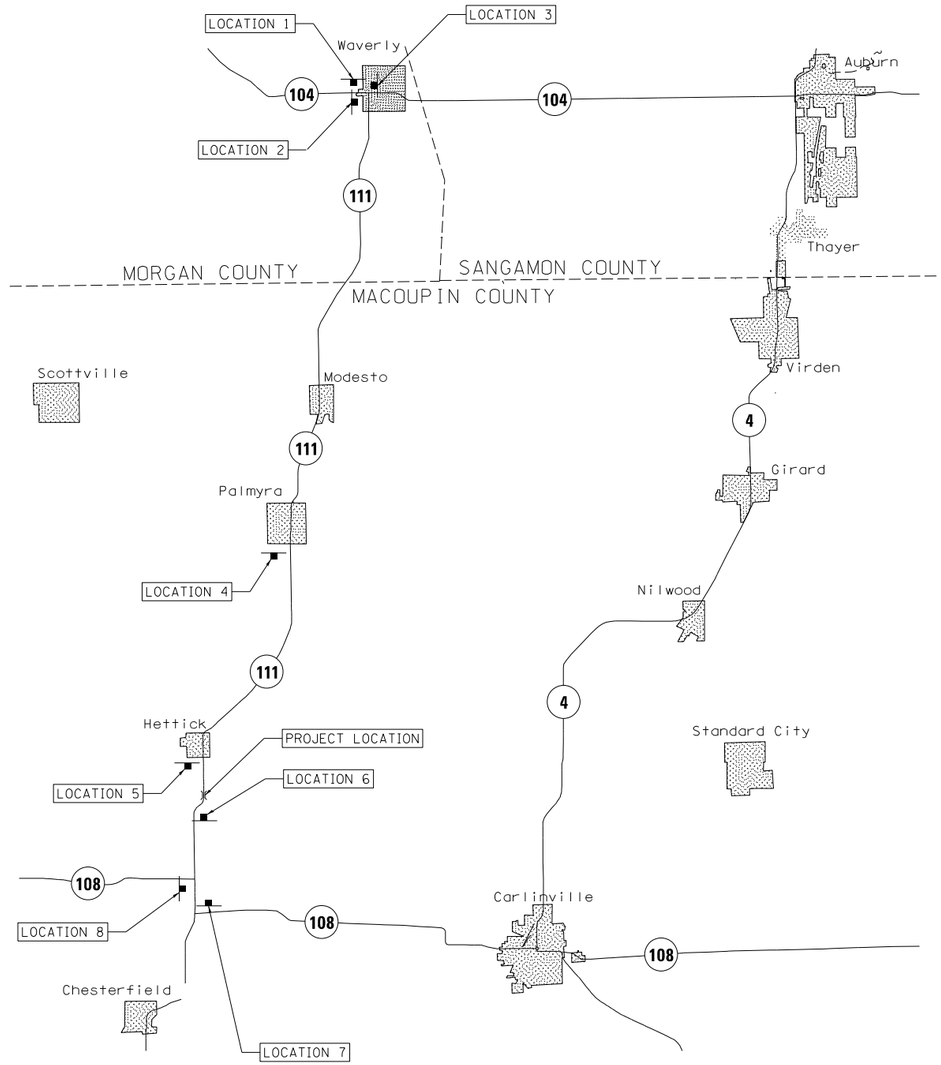
| | | | |
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/23/2021 | DATE - | REVISED - | |

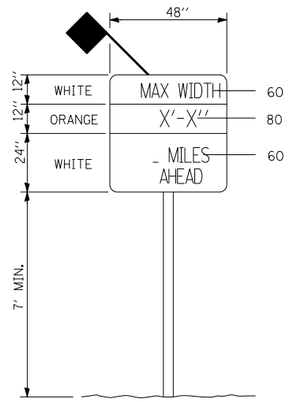
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**STAGING TYPICAL SECTIONS**
**FAP 608 (IL 111)**

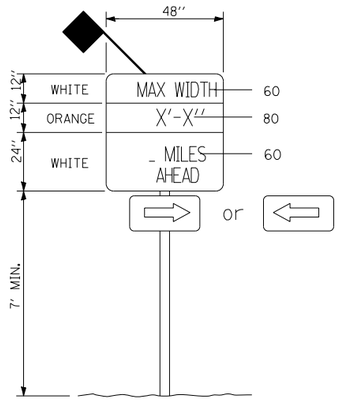
SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 10 |
| | | CONTRACT NO. 72M28 | | |
| | | ILLINOIS | FED. AID PROJECT | |




SIGN A
(WIDTH RESTRICTION SIGN)




SIGN B
(WIDTH RESTRICTION SIGN)

| | | SIGN | |
|---|---|---|---|
| 1 | IL 111 SB AT IL 104 | A | 19 MILES |
| 2 | IL 104 EB AT IL 111 | B | 19 MILES |
| 3 | IL 104 WB AT IL 111 | B | 19 MILES |
| 4 | IL 111 SB AT SOUTH OF PALMYRA | A | 6.8 MILES |
| 5 | IL 111 SB AT HETTICK RD | A | 0.6 MILES |
| 6 | IL 111 NB AT CUMBERLAND RD | A | 0.7 MILES |
| 7 | IL 111 NB AT IL 108 | A | 3.3 MILES |
| 8 | IL 108 EB AT IL 111 | B | 2.4 MILES |

LOCATION DISTANCE

GENERAL NOTES:

ACTUAL MAXIMUM WIDTHS ARE TO BE MEASURED BY THE ENGINEER AFTER TEMPORARY TRAFFIC CONTROL IS PLACED FOR STAGE 1. WIDTH SHALL BE REMEASURED AND SIGNS UPDATED FOR STAGE 2.

MAXIMUM WIDTH SIGNS SHALL BE PAID FOR AS ONE LUMP SUM ITEM AS "WIDTH RESTRICTION SIGNING".

ALL SIGNS SHALL BE POST MOUNTED IN ACCORDANCE WITH ARTICLE 701.14 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 6\Projects\D672M28\CADData\CADsheets\D672M28-sht-staging.dgn

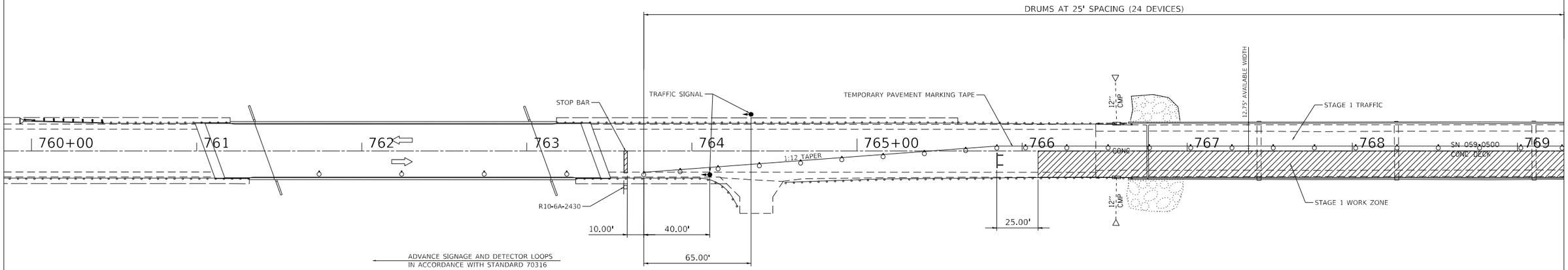
| | | | |
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 60.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - | |

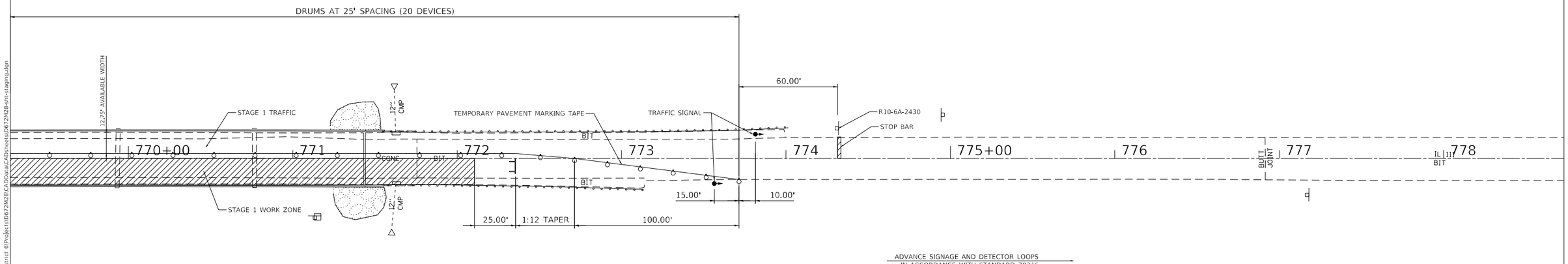
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**WIDTH RESTRICTION SIGNING**

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 11 |
| | | CONTRACT NO. 72M28 | | |
| | | ILLINOIS | FED. AID PROJECT | |






| | | |
|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 60.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - |

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

**TEMPORARY TRAFFIC CONTROL**
**STAGE 1**

SCALE: 30 | SHEET 1 OF 2 SHEETS | STA. 759+83 | TO STA. 778+73

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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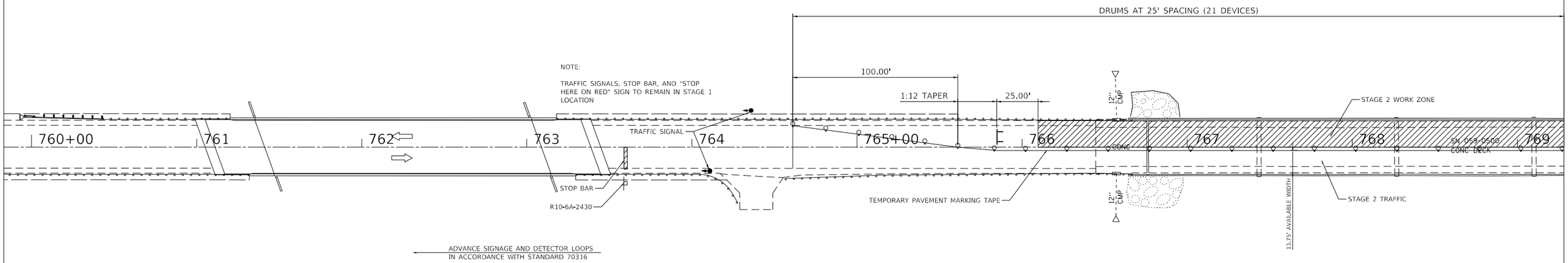
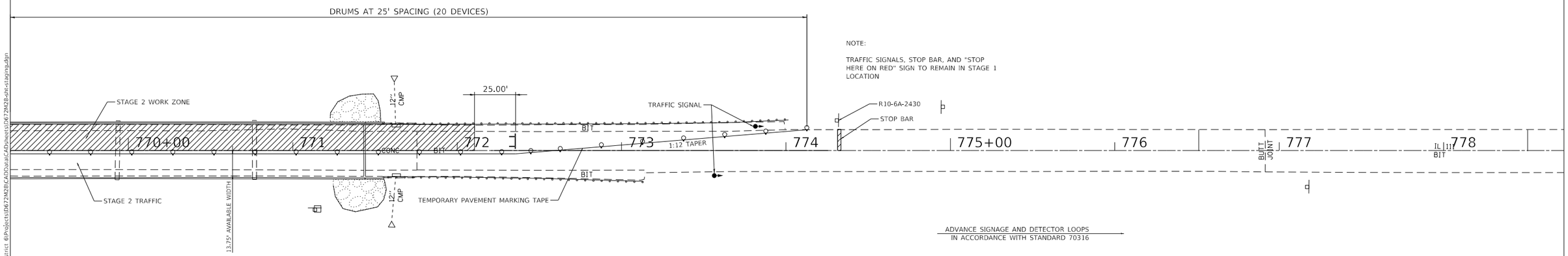
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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| | | | |
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 60.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/22/2021 | DATE - | REVISED - | |

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

**TEMPORARY TRAFFIC CONTROL**
**STAGE 2**

SCALE: 30 | SHEET 2 OF 2 SHEETS | STA. 759+83 | TO STA. 778+73

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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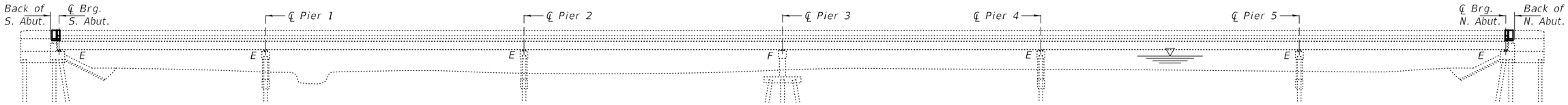
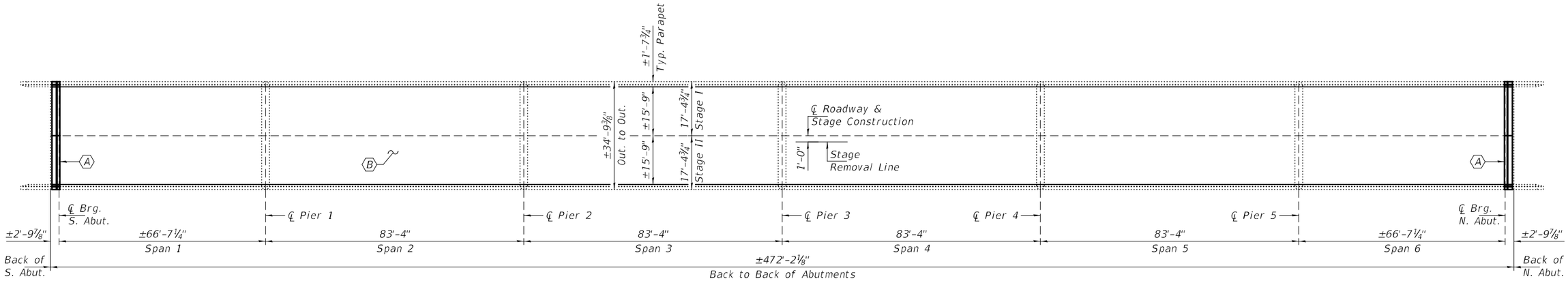
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## ELEVATION




## PLAN

N

## GENERAL NOTES

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.

Reinforcement bars designated (E) shall be epoxy coated.

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.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.

Cleaning and painting existing steel as specified in the Special Provision for "Cleaning and Painting Existing Structures" and as specified below:

1. Existing structural steel where shown on the plans shall be cleaned per requirements of near white blast cleaning (SPPC-SP-10).
2. The cleaning areas of the structural steel shall be primed per the requirements of "Paint System I-OZ/E/U."
3. The color of the final finish coat shall be Gray, Munsell No. 5B 7/1.
4. The SPPC-QP1 Certification will be required for this project.
5. A minimum of one (1) high volume air monitor will be required to monitor air quality during dust operation, Special Provisions.
6. Containment and Disposal of paint residues shall be as specified by the Special Provisions "Containment and Disposal of Non-Lead Cleaning Residues.

## SCOPE OF WORK

Ⓐ – Expansion Joint Removal & Replacement

Ⓑ – Bridge Deck Scarification, ¾" and New Microsilica Concrete Overlay, 2½" on all spans.

Ⓒ – Bridge Deck Patching. See sheet 6 of 8.

Ⓓ – Substructure Repair at Abutments. See sheet 7 of 8.

Ⓔ – Clean and Paint Beam Ends. (Locations and extent as indicated in the Special Provisions.)

## TOTAL BILL OF MATERIAL

| | ITEM | UNIT | QUANTITY |
|---|---|---|---|
| | Concrete Removal | Cu. Yd. | 4.0 |
| | Concrete Superstructure | Cu. Yd. | 5.4 |
| | Reinforcement Bars, Epoxy Coated | Pound | 400 |
| | Bar Splicers | Each | 8 |
| | Preformed Joint Strip Seal | Foot | 68 |
| | Bridge Deck Scarification, ¾" | Sq. Yd. | 1223 |
| | Bridge Deck Microsilica Concrete Overlay, 2½" | Sq. Yd. | 1223 |
| | Bridge Deck Grooving | Sq. Yd. | 1202 |
| | Structural Repair of Concrete (Depth ≤ 5") | Sq. Ft. | 35 |
| | Deck Slab Repair (Partial Depth) | Sq. Yd. | 253.4 |
| | Cleaning and Painting Steel Bridge No. 1 | L.S. | 1 |
| | Containment and Disposal of Non-Paint Cleaning Residues No. 1 | L.S. | 1 |
| * | Protective Coat | Sq. Yd. | 1241 |
| ** | Approach Slab Repair (Partial Depth) | Sq. Yd. | 2.5 |

* On new Parapet concrete and Microsilica Concrete Overlay only.
** For Information Only.

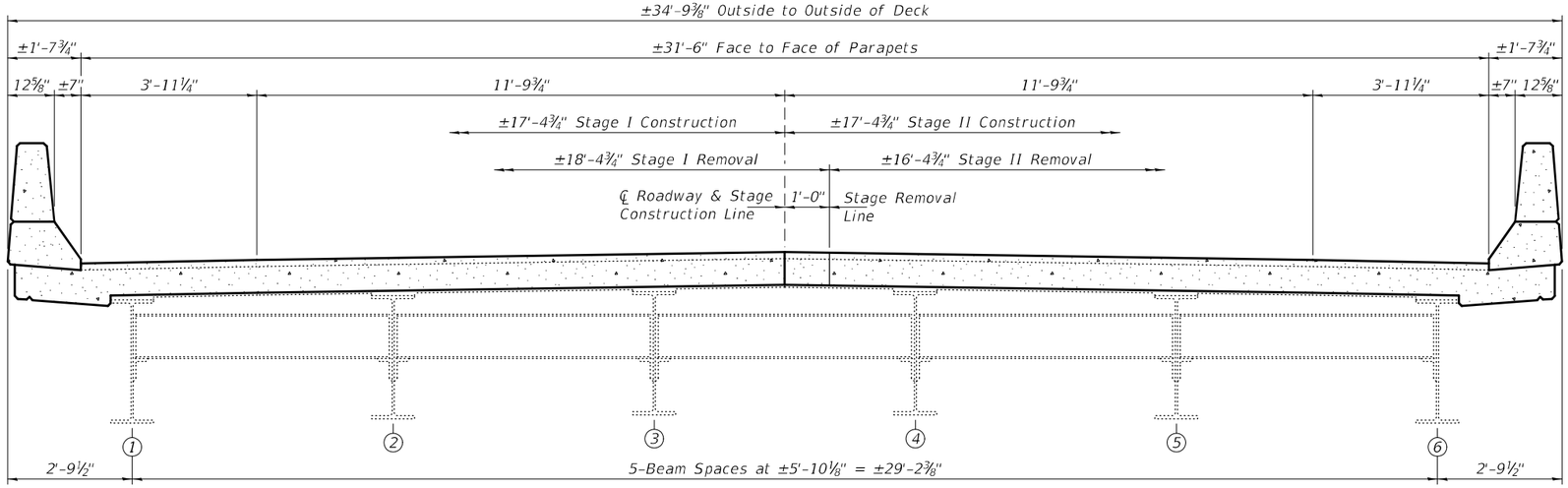
DAVID CARL PUZEY 081-005470 LICENSED STRUCTURAL ENGINEER SPRINGFIELD ILLINOIS STATE OF ILLINOIS

Expires: November 30, 2022

| | | | |
|---|---|---|---|
| DESIGNED - Stephen M. Ryan | EXAMINED | DATE - JANUARY 24, 2022 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| CHECKED - Victor H. Veliz | ENGINEER OF STRUCTURAL SERVICES | | |
| DRAWN - STEFFEN | PASSED | REVISED - | |
| CHECKED - SMR VHV | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | |

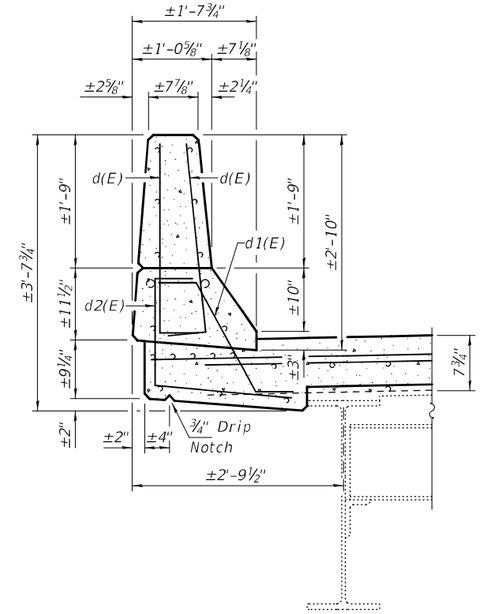
GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 111 OVER OTTER CREEK OVERFLOW
SN 059-0500
SHEET NO. 1 OF 8 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122)BDR | MACOUPIN | 21 | 14 |
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS | FED. AID PROJECT | | |

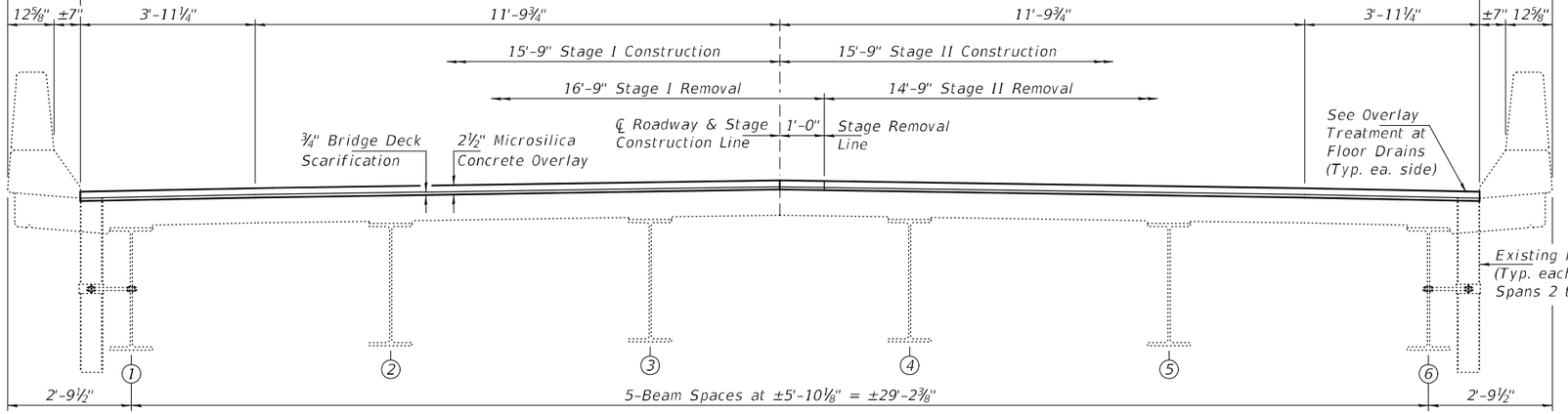



## CROSS SECTION THRU BRIDGE DECK AT ABUTMENTS

(Looking North)

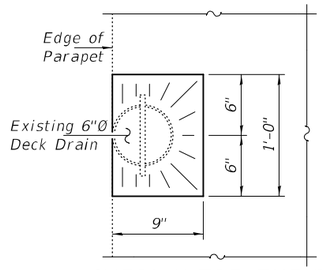



## BRIDGE DECK PARAPET

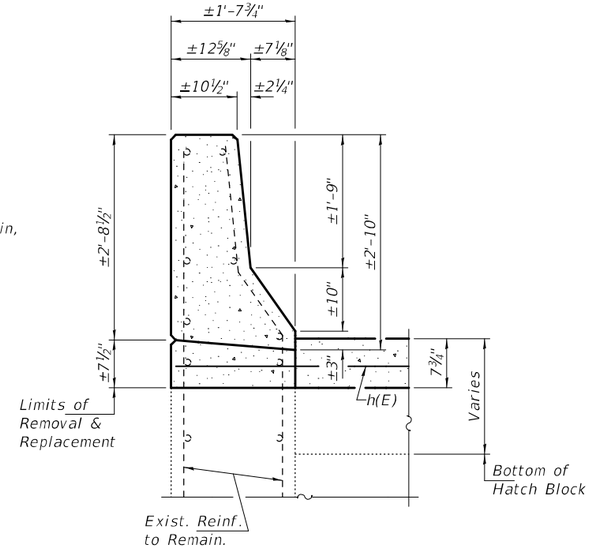



## CROSS SECTION THRU BRIDGE DECK AT MID-SPAN

(Looking North)

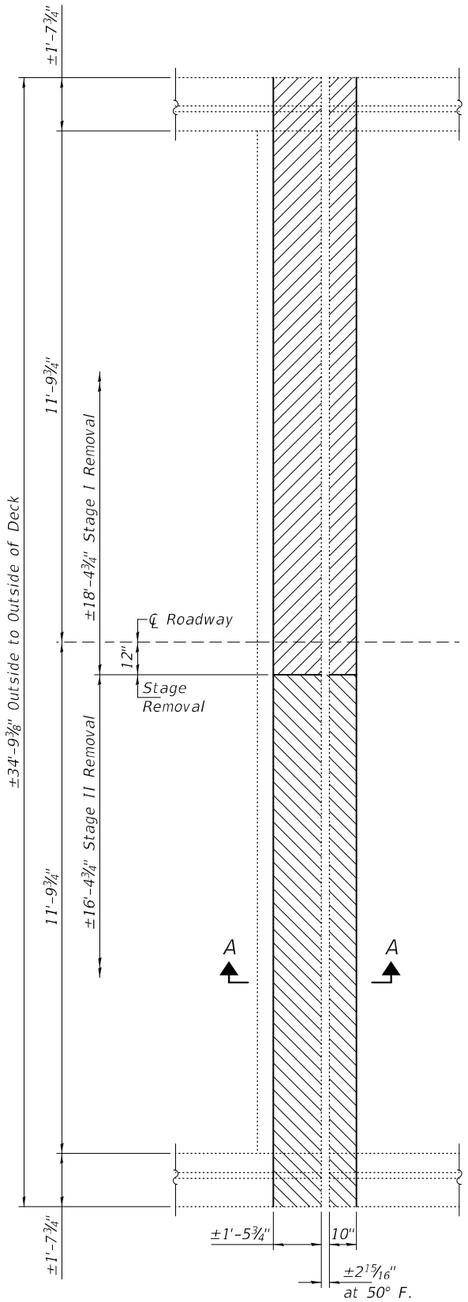



## OVERLAY TREATMENT AT FLOOR DRAINS



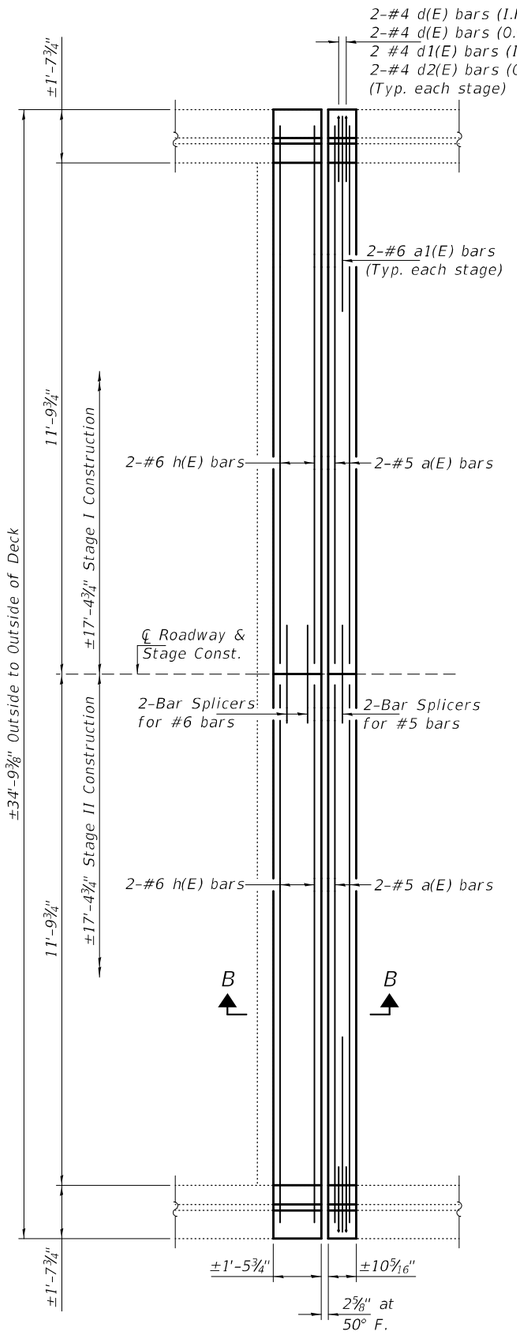

## APPROACH PARAPET

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGNED - SMR | EXAMINED | | DATE - JANUARY 24, 2022 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **STAGING & PARAPET DETAILS SN 059-0500** | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - VHV | | ENGINEER OF STRUCTURAL SERVICES | | | | 608 | (122)BDR | MACOUPIN | 21 | 15 |
| DRAWN - STEFFEN | PASSED | | REVISED - | | SHEET NO. 2 OF 8 SHEETS | | | CONTRACT NO. 72M28 | | |
| CHECKED - SMR VHV | | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | | | | ILLINOIS FED. AID PROJECT | | |



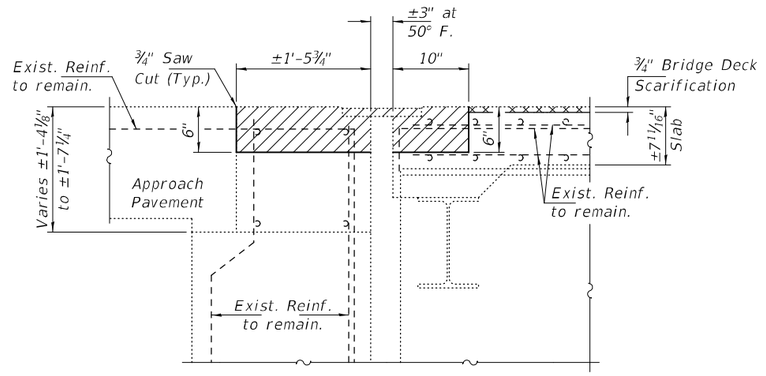

CONCRETE REMOVAL PLAN

(S. Abut. shown, N. Abut. similar by rotation.)

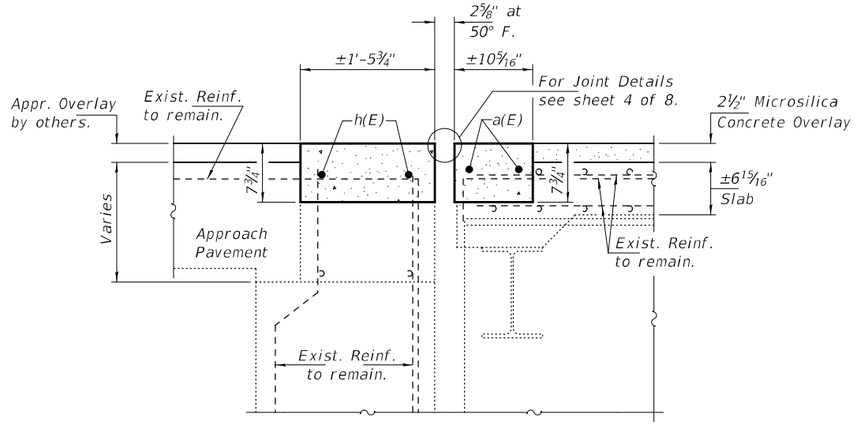



CONCRETE REPLACEMENT PLAN

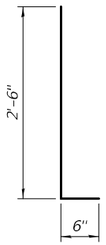
(S. Abut. shown, N. Abut. similar by rotation.)



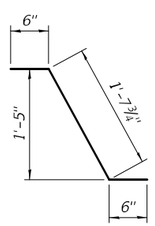

SECTION A-A



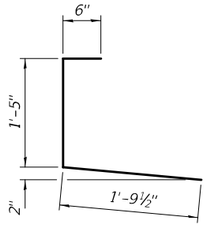

SECTION B-B




BAR d(E)




BAR d1(E)




BAR d2(E)

Note:
Hatched areas indicate Concrete Removal.
For Parapet Details see sheet 2 of 8.

## BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| a(E) | 8 | #5 | 12'-9" | |
| a1(E) | 8 | #6 | 6'-0" | |
| | | | | |
| d(E) | 16 | #4 | 3'-0" | |
| d1(E) | 8 | #4 | 2'-8" | |
| d2(E) | 8 | #4 | 3'-9" | |
| | | | | |
| | | | | |
| h(E) | 8 | #6 | 13'-1" | |
| | | | | |
| Concrete Removal | | | Cu. Yd. | 4.0 |
| Concrete Superstructure | | | Cu. Yd. | 5.4 |
| Bar Splicers | | | Each | 8 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 400 |

**DRAFT**

DATE: 07-01-2021

| | | | |
|---|---|---|---|
| DESIGNED - SMR | EXAMINED | DATE - JANUARY 24, 2022 | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| CHECKED - VHV | PASSED | REVISED - | |
| DRAWN - STEFFEN | ENGINEER OF STRUCTURAL SERVICES | REVISED - | JOINT REMOVAL & REPLACEMENT DETAILS<br>SN 059-0500 |
| CHECKED - SMR VHV | ENGINEER OF BRIDGES AND STRUCTURES | | SHEET NO. 3 OF 8 SHEETS |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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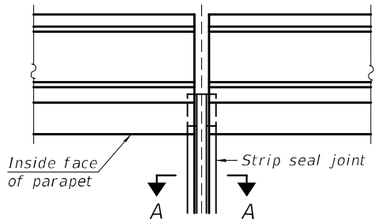
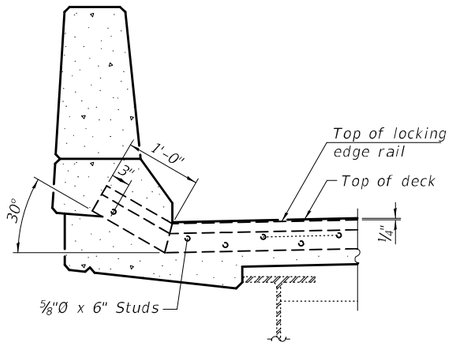
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS FED. AID PROJECT | | | |




PLAN AT PARAPET




ELEVATION AT PARAPET

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". 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.

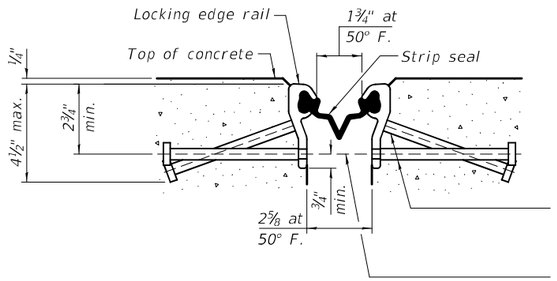
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

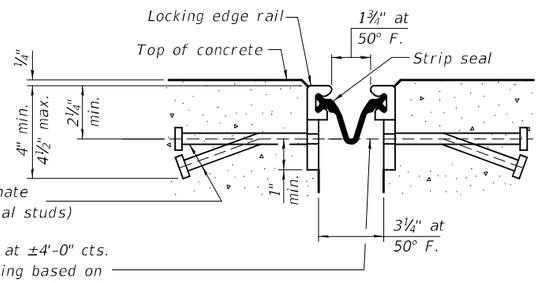
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

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.




SHOWING ROLLED RAIL JOINT



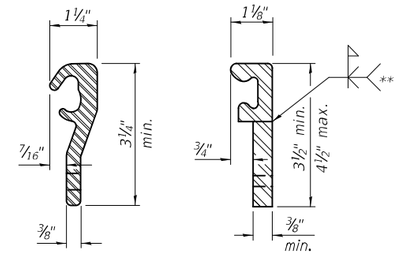

SHOWING WELDED RAIL JOINT

* ⅝"Ø x 6" studs at 6" cts. (alternate angled/bent studs with horizontal studs)

⅜"Ø threaded rods in 7/16"Ø holes at ±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 A-A

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

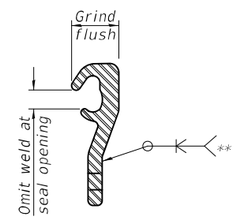



ROLLED (EXTRUDED) RAIL

WELDED RAIL

## LOCKING EDGE RAILS

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



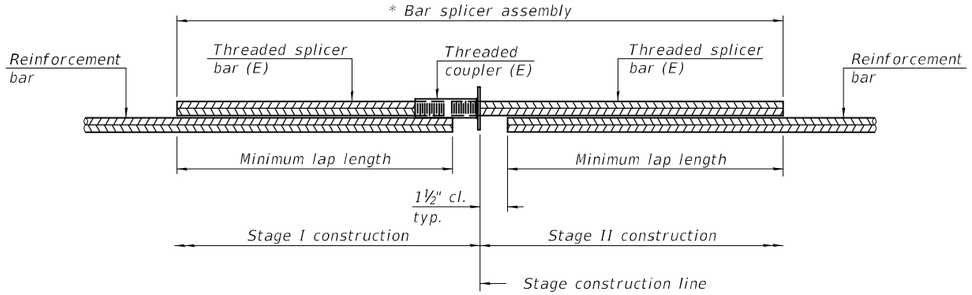

## LOCKING EDGE RAIL SPLICE

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

## BILL OF MATERIAL

| Item | Unit | Total |
|---|---|---|
| Preformed Joint Strip Seal | Foot | 68 |
| | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGNED - SMR | EXAMINED | ENGINEER OF STRUCTURAL SERVICES | DATE - JANUARY 24, 2022 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PREFORMED JOINT STRIP SEAL DETAILS SN 059-0500 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - VHV | | | | | | 608 | (122)BDR | MACOUPIN | 21 | 17 |
| DRAWN - STEFFEN | PASSED | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | SHEET NO. 4 OF 8 SHEETS | | | CONTRACT NO. 72M28 | | |
| CHECKED - SMR VHV | | | REVISED - | | | | ILLINOIS | FED. AID PROJECT | | |



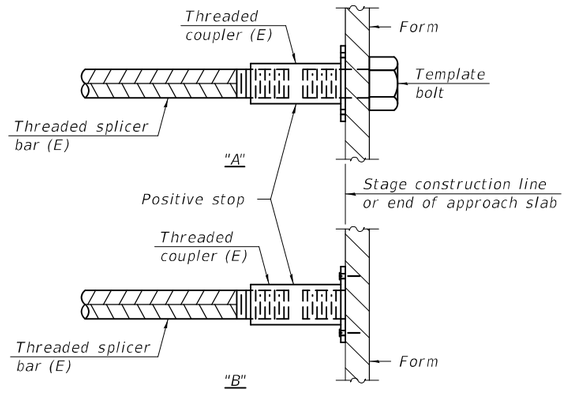

## STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

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

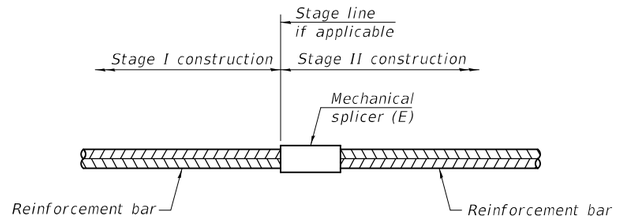
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Minimum lap length |
|---|---|---|---|
| Deck | #5 | 4 | 3'-6" |
| Hatch Block | #6 | 4 | 4'-10" |
| | | | |
| | | | |
| | | | |




## 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.



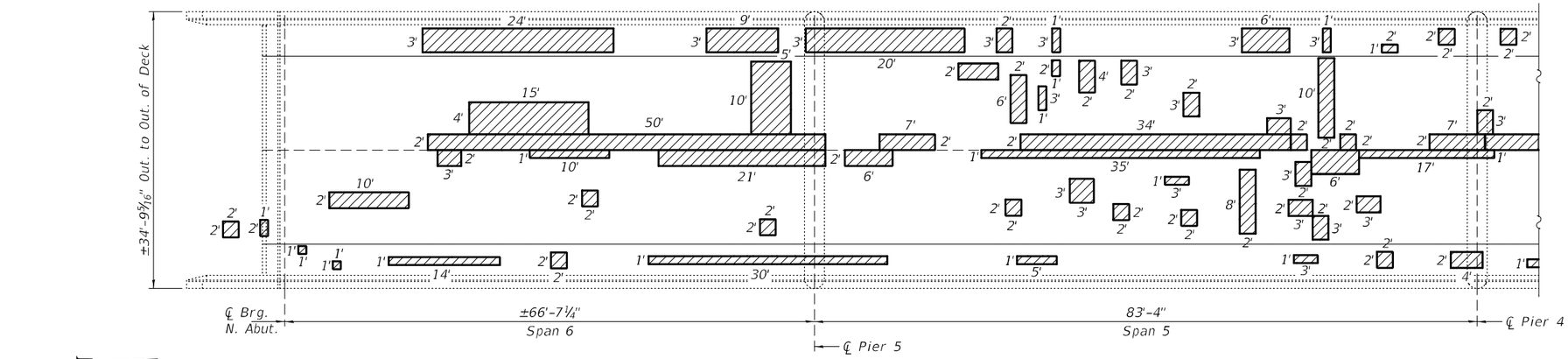

## STANDARD MECHANICAL SPLICER

| 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.

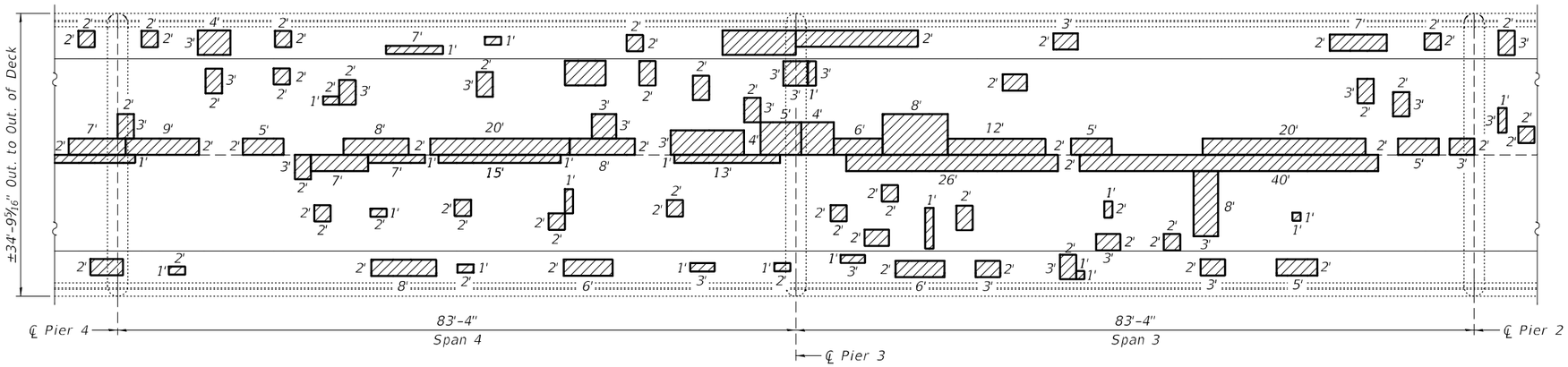
BSD-1 1-1-2020

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGNED - SMR | EXAMINED | ENGINEER OF STRUCTURAL SERVICES | DATE - JANUARY 24, 2022 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BAR SPLICER ASSEMBLY & MECHANICAL SPLICER DETAILS SN 059-0500 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - VHV | | | | | | 608 | (122)BDR | MACOUPIN | 21 | 18 |
| DRAWN - STEFFEN | PASSED | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | | | | CONTRACT NO. 72M28 | | |
| CHECKED - SMR VHV | | | REVISED - | | SHEET NO. 5 OF 8 SHEETS | | | ILLINOIS | FED. AID PROJECT | |

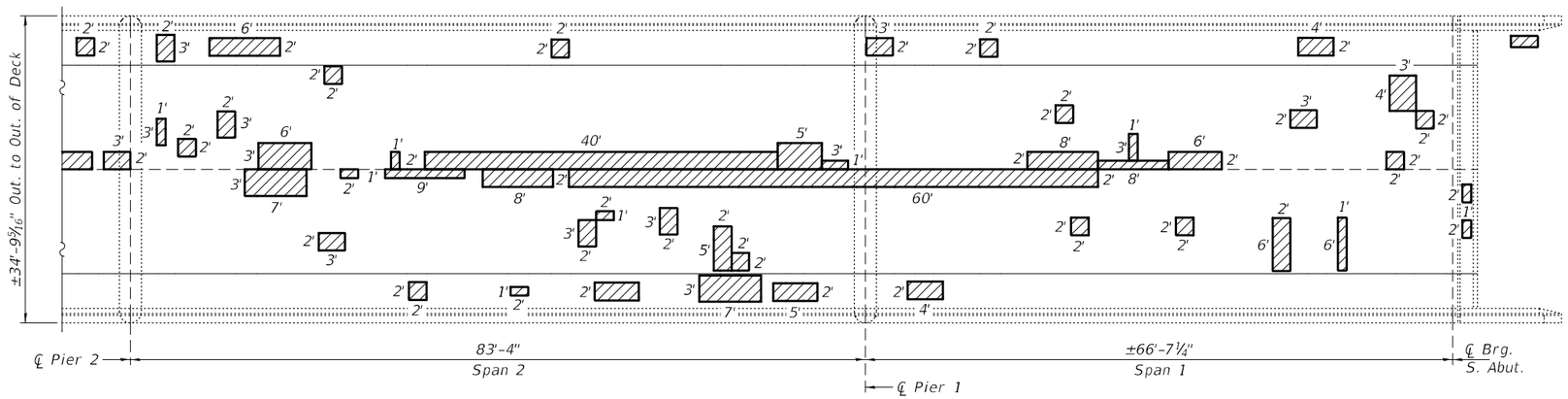



N

## DECK SLAB REPAIR PLAN – SPANS 6 & 5




## DECK SLAB REPAIR PLAN – SPANS 4 & 3

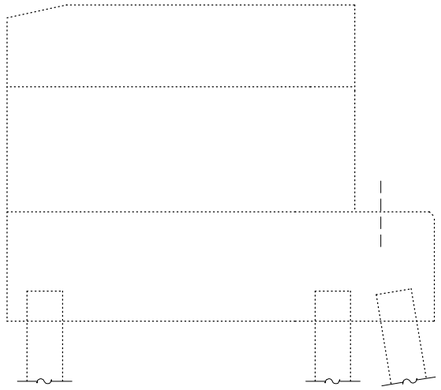



## DECK SLAB REPAIR PLAN – SPANS 2 & 1

▨ – Deck Slab Repair (Partial Depth)

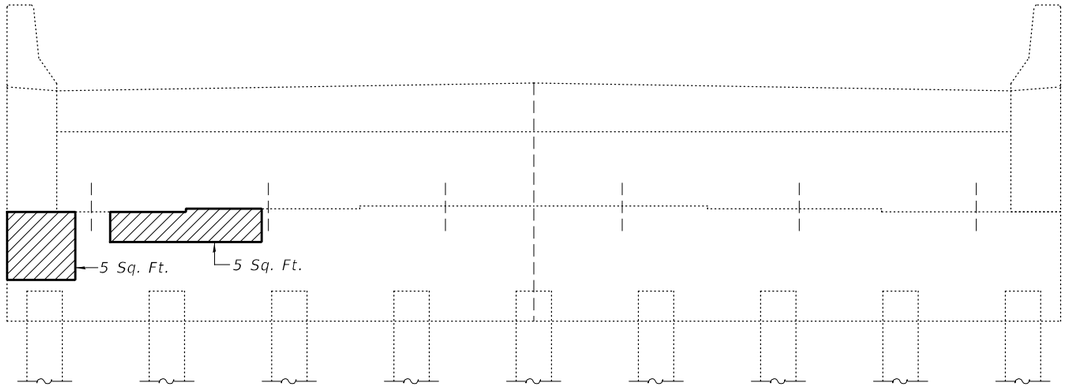
Note:
Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DESIGNED - SMR | EXAMINED | ENGINEER OF STRUCTURAL SERVICES | DATE - JANUARY 24, 2022 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DECK SLAB REPAIR DETAILS SN 059-0500 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - VHV | | | | | | 608 | (122)BDR | MACOUPIN | 21 | 19 |
| DRAWN - STEFFEN | PASSED | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | SHEET NO. 6 OF 8 SHEETS | | | CONTRACT NO. 72M28 | | |
| CHECKED - SMR VHV | | | REVISED - | | | | | ILLINOIS FED. AID PROJECT | | |



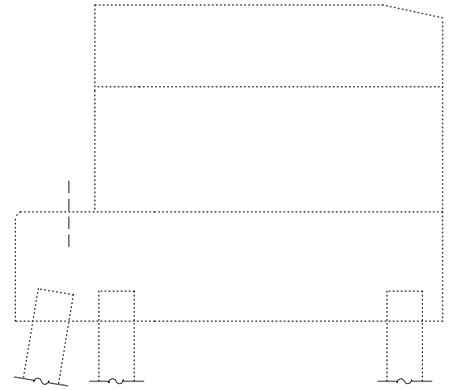
NORTH ABUTMENT – WEST WINGWALL

(Looking East)



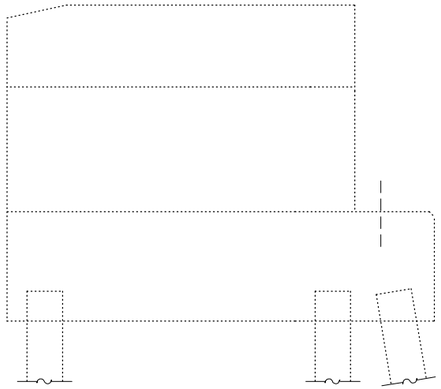

NORTH ABUTMENT – ELEVATION

(Looking North)



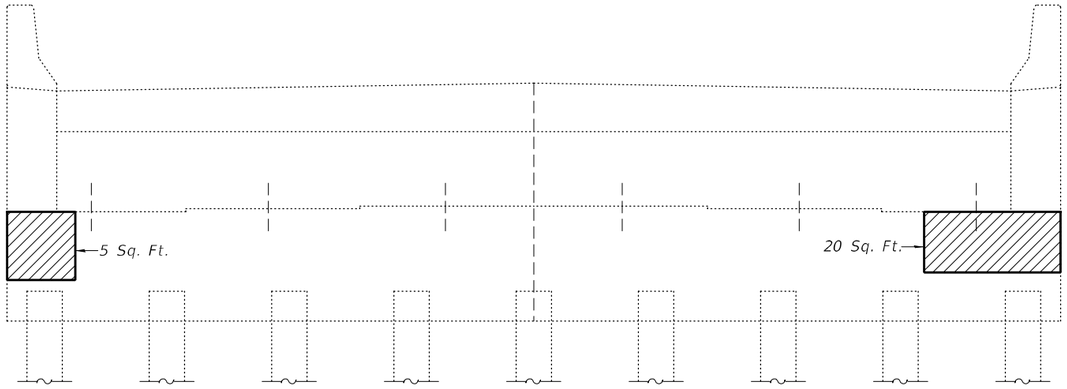
NORTH ABUTMENT – EAST WINGWALL

(Looking West)



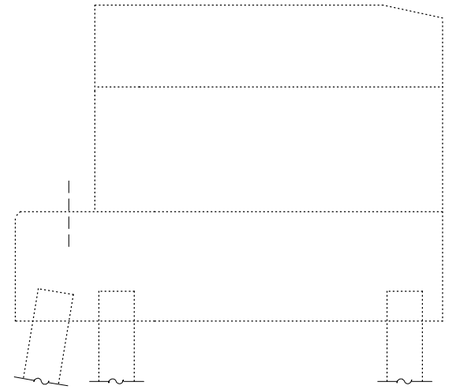
SOUTH ABUTMENT – EAST WINGWALL

(Looking West)



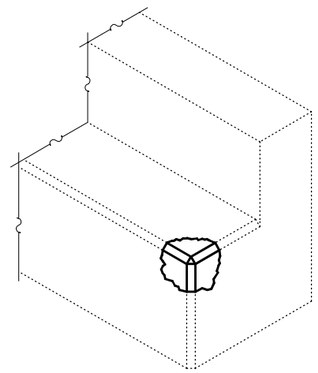

SOUTH ABUTMENT – ELEVATION

(Looking South)



SOUTH ABUTMENT – WEST WINGWALL

(Looking East)



S. ABUT. – S.W. CORNER – ISOMETRIC VIEW

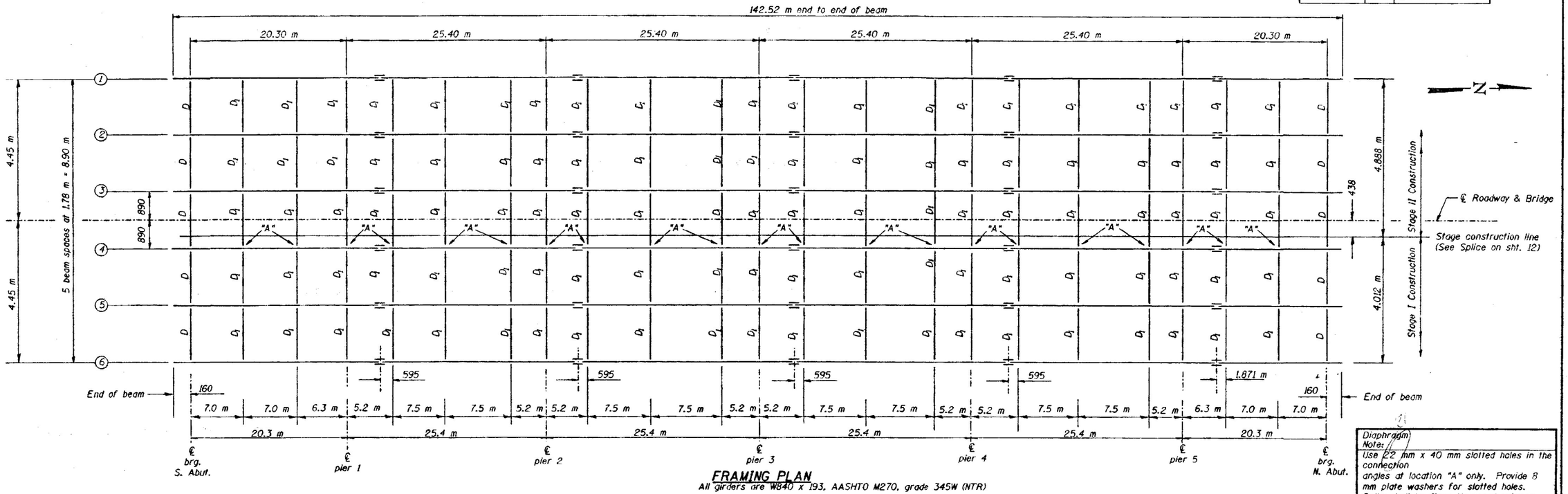
– Structural Repair of Concrete ≤ 5 inches.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGNED - SMR | EXAMINED | DATE - JANUARY 24, 2022 | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | ABUTMENT SUBSTRUCTURE REPAIR DETAILS<br>SN 059-0500 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - VHV | ENGINEER OF STRUCTURAL SERVICES | | | | 608 | (122)BDR | MACOUPIN | 21 | 20 |
| DRAWN - STEFFEN | PASSED | REVISED - | | SHEET NO. 7 OF 8 SHEETS | | | CONTRACT NO. 72M28 | | |
| CHECKED - SMR VHV | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | | | | ILLINOIS FED. AID PROJECT | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

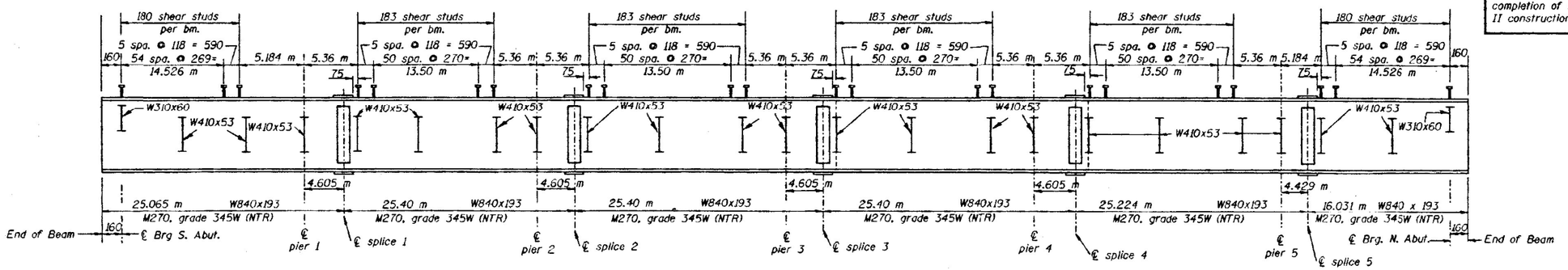
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.P. RTE. 608 | 122(B-1) | MACOUPIN | 56 | 23 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT: | | |

SHEET NO. 11
30 SHEETS

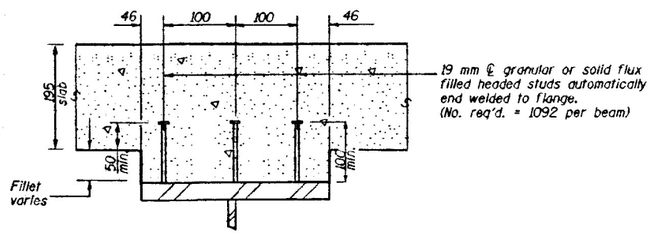



**FRAMING PLAN**
All girders are W840 x 193, AASHTO M270, grade 345W (NTR)

Diaphragm Note:
Use 22 mm x 40 mm slotted holes in the connection angles at location "A" only. Provide 8 mm plate washers for slotted holes. Bolts shall be figer-tightened prior to the deck pour for stage II construction and then fully tightened after completion of the deck pour for stage II construction




**BEAM ELEVATION**




Note: NTR denotes Notch Touchness Requirements

**FOR INFORMATION ONLY**

Note:
Dimensions in millimeters (mm) unless otherwise noted.

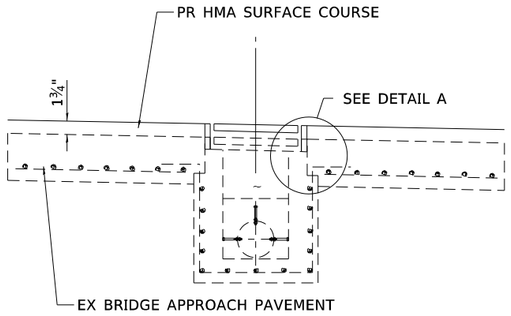
**STRUCTURAL STEEL FRAMING PLAN**
IL RTE 111 OVER
OTTER CREEK OVERFLOW
F.A.P. RTE 608 SECTION 122(B-1)
MACOUPIN COUNTY
STATION 39+195.71
S.N. 059-0500

| | | | |
|---|---|---|---|
| DESIGNED | JFJ | RANDOLPH & ASSOCIATES, INC. CONSULTING ENGINEERS + LAND SURVEYORS | P.E. NUMBER 136.57 |
| CHECKED | DDB | | DATE Dec. 1999 |
| DRAWN | WK. PM | | |
| CHECKED | JFJ | | |

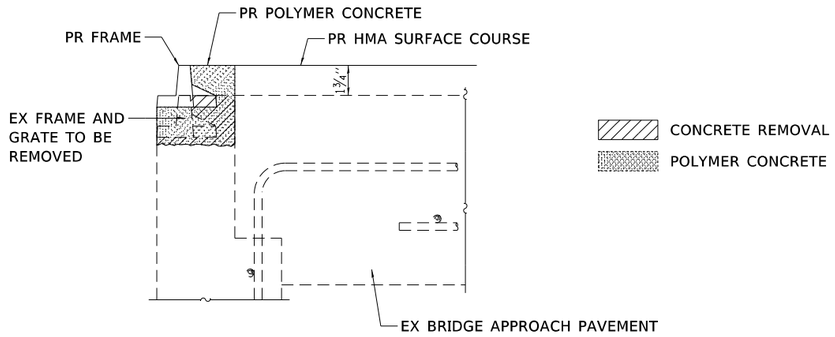
16 DEC 99 07:51:47 r:\projects\136\136957 / otter creek\plan sets\bridge\11-steel\framing.dgn

| | | | | | |
|---|---|---|---|---|---|
| DESIGNED - SMR | EXAMINED | Timothy A. Bradley ENGINEER OF STRUCTURAL SERVICES | DATE - JANUARY 24, 2022 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | F.I.O. - EXISTING STRUCTURAL STEEL FRAMING PLAN SN 059-0500 |
| CHECKED - VHV | PASSED | R. Carl Ruegg ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | SHEET NO. 8 OF 8 SHEETS |
| DRAWN - STEFFEN | | | REVISED - | | |
| CHECKED - SMR VHV | | | | | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122)BDR | MACOUPIN | 21 | 20A |
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS | FED. AID PROJECT | | |



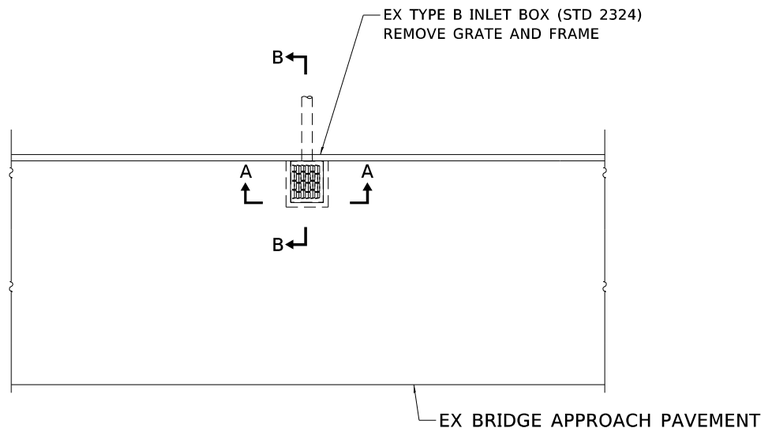

**SEC A–A**



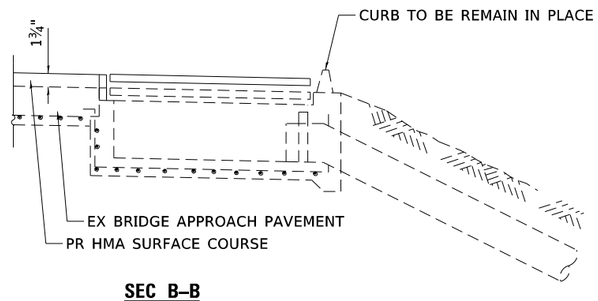

**DETAIL A**

## GENERAL NOTES

THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW CAST FRAME AND CAST GRATE AS SPECIFIED ON STANDARD 610001 FOR THE TYPE G INLET BOX




**PLAN**




**SEC B–B**

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 6\Projects\D672M28\CADData\CADsheets\D672N28-sht-details.dgn

| | | | |
|---|---|---|---|
| USER NAME = milesra | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 1/31/2022 | DATE - | REVISED - | |

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

**INLET TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL) DETAIL**

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 608 | (122) BDR | MACOUPIN | 21 | 21 |
| | | CONTRACT NO. 72M28 | | |
| | ILLINOIS | FED. AID PROJECT | | |