11-17-2023 LETTING ITEM 066

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 1 |
| | ILLINOIS | CONTRACT NO. 72H57 | | |

# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

# PROPOSED
# HIGHWAY PLANS

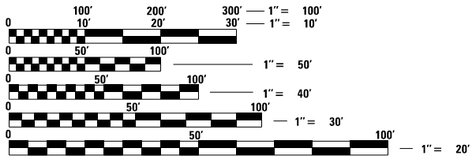
## FAP 315 (US 136)
## SECTION (22B)BDR,BJR1,BRR1
## PROJECT HBFP-NHPP-2CQ0(353)
## BRIDGE DECK REPAIR–OVERLAY
## HANCOCK COUNTY

**C–96–032–15**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**HIGHWAY CLASSIFICATION**

FAP 315 (US 136)
ADT: 10,825 (PV = 90.97%)
600 (SU = 5.04%)
475 (MU = 3.99%)
CRS = 6.9 (2021)

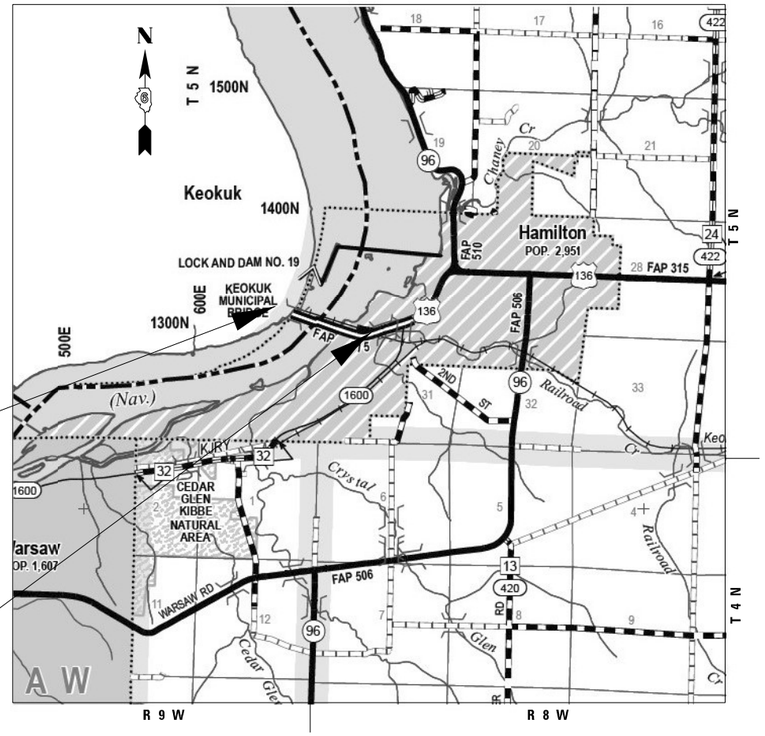



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

S.N. 034-0062
BEGIN PROJECT
STA. 61+10.86

S.N. 034-0062
END PROJECT
STA. 110+32.00




GROSS LENGTH = 4,921.14 FT. = 0.932 MILE
NET LENGTH = 4,921.14 FT. = 0.932 MILE

D-96-032-15


LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 18 20 23
REGIONAL ENGINEER
October 13, 2023
ENGINEER OF DESIGN AND ENVIRONMENT
October 13, 2023
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

**CONTRACT NO. 72H57**

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

REV. - MS

## GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217) 785-5306 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.
2. THE DISTRICT 6 BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS (PH: 217-785-5306).
3. ALL TEMPORARY PAVEMENT MARKING TAPE THAT IS TO REMAIN IN PLACE LONGER THAN 14 DAYS SHALL BE TYPE IV TAPE. TYPE I TEMPORARY PAVEMENT MARKING TAPE MAY BE USED FOR APPLICATIONS OF 14 DAYS OR LESS.
4. SYNTHETIC FIBERS ARE NOT REQUIRED FOR THE BRIDGE DECK MICROSILICA CONCRETE OVERLAY

## COMMITMENTS

NONE

## INDEX OF SHEETS



## STANDARDS

| | |
|---|---|
| 000001-08 | 701606-10 |
| 001001-02 | 701701-10 |
| 001006 | 701901-08 |
| 420001-10 | 704001-08 |
| 606301-04 | 720001-01 |
| 610001-09 | 720006-04 |
| 643001-02 | 780001-05 |
| 701101-05 | 782006-01 |
| 701106-02 | BLR 22-7 |
| 701426-09 | |
| 701431-13 | |
| 701601-09 | |

## THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

| | |
|---|---|
| BITUMINOUS MATERIALS (TACK COAT) | 0.05 LB/SQ. FT. (EXISTING HMA, MILLED SURFACE, CONCRETE, MILLED/TINED CONCRETE) |
| HMA SURFACE/BINDER | 0.056 TONS/(SQ. YD.*IN.) |

## MIXTURE REQUIREMENTS

| MIXTURE NUMBER | 1 |
|---|---|
| MIXTURE USE(S) | HMA SURFACE COURSE |
| AC/PG: | SBS PG 70-28 |
| DESIGN AIR VOIDS | 4.0% @ N70 |
| MIXTURE COMPOSTION: (GRADATION MIXTURE) | IL-9.5 |
| FRICTION AGGREGATE | MIX "D" |
| QUALITY MANAGEMENT | QC/QA |
| SUBLOT SIZE | N/A |

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

EXAMINED June, 14 20 23
ENGINEER OF OPERATIONS

EXAMINED June, 27 20 23
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED July, 5 20 23
ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\DOT Offices\District 6\Projects\0672H57\CADData SS10\CASheets\D672H57-plt-gennote.dgn

| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**GENERAL NOTES, LIST OF STANDARDS, INDEX OF SHEETS, AND MIX REQUIREMENTS**

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. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 2 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| | | | | 6-00484-0000 | | 0-01293-6001 | |
|---|---|---|---|---|---|---|---|
| | | | | 80% FED 20% STATE | 100% IOWA | 80% FED 20% STATE | 100% IOWA |
| | | | | BRIDGE | BRIDGE | BRIDGE | BRIDGE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0047 S.N. 034-0062 | 0047 S.N. 034-0062 | 0047 S.N. 034-0062 | 0047 S.N. 034-0062 |
| 31101200 | SUBBASE GRANULAR MATERIAL, TYPE B 4" | SQ YD | 359 | 179.5 | 179.5 | | |
| 35300410 | PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2" | SQ YD | 211 | 105.5 | 105.5 | | |
| 35300730 | PORTLAND CEMENT CONCRETE BASE COURSE 14 1/4" | SQ YD | 148 | 74 | 74 | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 495 | 247.5 | 247.5 | | |
| 40600985 | PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT | SQ YD | 267 | 133.5 | 133.5 | | |
| 40604162 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 | TON | 109 | 54.5 | 54.5 | | |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 228 | 114 | 114 | | |
| 44000155 | HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" | SQ YD | 694 | 347 | 347 | | |
| 44001980 | CONCRETE BARRIER REMOVAL | FOOT | 312 | 156 | 156 | | |
| 50102400 | CONCRETE REMOVAL | CU YD | 73.1 | 36.55 | 36.55 | | |
| 50300255 | CONCRETE SUPERSTRUCTURE | CU YD | 77.2 | 38.6 | 38.6 | | |
| 50300300 | PROTECTIVE COAT | SQ YD | 24,865 | 12,432.5 | 12,432.5 | | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 24,210 | 12,105 | 12,105 | | |

REV. - MS

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FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 6\Projects\D672H57\CADData SS10\CADsheets\D672H57-sht-SOQ.dgn

| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/18/2023 | DATE - | REVISED - | |

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

**SUMMARY OF QUANTITIES**

SCALE: N/A | SHEET 1 OF 4 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 3 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| | | | | 6-00484-0000 | | 0-01293-6001 | |
|---|---|---|---|---|---|---|---|
| | | | | 80% FED 20% STATE | 100% IOWA | 80% FED 20% STATE | 100% IOWA |
| | | | | BRIDGE | BRIDGE | BRIDGE | BRIDGE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0047 S.N. 034-0062 | 0047 S.N. 034-0062 | 0047 S.N. 034-0062 | 0047 S.N. 034-0062 |
| 50800515 | BAR SPLICERS | EACH | 300 | 150 | 150 | | |
| 50800530 | MECHANICAL SPLICERS | EACH | 1,976 | 988 | 988 | | |
| 52000110 | PREFORMED JOINT STRIP SEAL | FOOT | 132 | 66 | 66 | | |
| 59200101 | BRIDGE WASHING NO. 1 | EACH | 1 | | | 0.5 | 0.5 |
| 64300750 | IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 2 | EACH | 1 | 0.5 | 0.5 | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 12 | 6 | 6 | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 0.5 | 0.5 | | |
| 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1 | 0.5 | 0.5 | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 0.5 | 0.5 | | |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 354 | 177 | 177 | | |
| 70600255 | IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 | EACH | 1 | 0.5 | 0.5 | | |
| * 78009005 | MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | FOOT | 18146 | 9073 | 9073 | | |
| 78200010 | BARRIER WALL REFLECTORS, TYPE B | EACH | 124 | 62 | 62 | | |
| 78300202 | PAVEMENT MARKING REMOVAL - WATER BLASTING | SQ FT | 2424 | 1212 | 1212 | | |
| 78200011 | BARRIER WALL REFLECTORS, TYPE C | EACH | 124 | 62 | 62 | | |
| X4403300 | CONCRETE MEDIAN REMOVAL | SQ FT | 1185 | 592.5 | 592.5 | | |
| * X0327739 | MISCELLANEOUS ELECTRICAL WORK | L SUM | 1 | 0.5 | 0.5 | | |

* SPECIALTY ITEM

REV. - MS



| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 7/18/2023 | DATE - | REVISED - |

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

**SUMMARY OF QUANTITIES**

SCALE: N/A | SHEET 2 OF 4 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 4 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

| | | | | 6-00484-0000 | | 0-01293-6001 | |
|---|---|---|---|---|---|---|---|
| | | | | 80% FED<br>20% STATE | 100% IOWA | 80% FED<br>20% STATE | 100% IOWA |
| | | | | BRIDGE | BRIDGE | BRIDGE | BRIDGE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0047<br>S.N. 034-0062 | 0047<br>S.N. 034-0062 | 0047<br>S.N. 034-0062 | 0047<br>S.N. 034-0062 |
| X5030250 | BRIDGE DECK GROOVING (LONGITUDINAL) | SQ YD | 17,813 | 8,906.5 | 8,905.6 | | |
| X6024503 | INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL) | EACH | 1 | 0.5 | 0.5 | | |
| X6061702 | CONCRETE MEDIAN, TYPE SM (DOWELLED) | SQ FT | 1381 | 690.5 | 690.5 | | |
| X6430130 | REMOVE IMPACT ATTENUATORS, STATE OWNED | EACH | 1 | 0.5 | 0.5 | | |
| X7010214 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701431 (SPECIAL) | EACH | 1 | 0.5 | 0.5 | | |
| X7011801 | TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22 | L SUM | 1 | 0.5 | 0.5 | | |
| X7040012 | TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY) | FOOT | 312 | 156 | 156 | | |
| X7200201 | WIDTH RESTRICTION SIGNING | L SUM | 1 | 0.5 | 0.5 | | |
| Z0001906 | STRUCTURAL STEEL REPAIR | L SUM | 1 | 0.5 | 0.5 | | |
| Z0012136 | BRIDGE DECK SCARIFICATION 1 1/2" | SQ YD | 5,170 | 2,585 | 2,585 | | |
| Z0012138 | BRIDGE DECK SCARIFICATION 1 3/4" | SQ YD | 17,620 | 8,810 | 8,810 | | |
| Z0012166 | BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4" | SQ YD | 22,790 | 11,395 | 11,395 | | |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 0.5 | 0.5 | | |
| Z0016001 | DECK SLAB REPAIR (FULL DEPTH, TYPE I) | SQ YD | 10 | 5 | 5 | | |

REV. - MS



| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 7/18/2023 | DATE - | REVISED - |

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

**SUMMARY OF QUANTITIES**

SCALE: N/A | SHEET 3 OF 4 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 5 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

| | | | | 6-00484-0000 | | 0-01293-6001 | |
|---|---|---|---|---|---|---|---|
| | | | | 80% FED 20% STATE | 100% IOWA | 80% FED 20% STATE | 100% IOWA |
| | | | | BRIDGE | BRIDGE | BRIDGE | BRIDGE |
| | | | | 0047 | 0047 | 0047 | 0047 |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | S.N. 034-0062 | S.N. 034-0062 | S.N. 034-0062 | S.N. 034-0062 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Z0018051 | DRAINAGE SCUPPERS TO BE ADJUSTED | EACH | 10 | 5 | 5 | | |
| | | | | | | | |
| Z0029090 | DIAMOND GRINDING (BRIDGE SECTION) | SQ YD | 23,009 | 11,504.5 | 11,504.5 | | |
| | | | | | | | |
| Z0034393 | MODULAR EXPANSION JOINT 9" | FOOT | 198 | 99 | 99 | | |
| | | | | | | | |
| Z0034396 | MODULAR EXPANSION JOINT 12" | FOOT | 66 | 33 | 33 | | |
| | | | | | | | |
| Z0038115 | PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1/2" | SQ YD | 138 | 69 | 69 | | |
| Ø Z0076600 | TRAINEES | HOUR | 2500 | 2500 | | | |
| Z0041895 | POLYMER CONCRETE | CU FT | 3.4 | 1.7 | 1.7 | | |
| Ø Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOUR | 2500 | 2500 | | | |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 | 0.5 | 0.5 | | |

Ø 0042

REV. - MS

MODEL: Default
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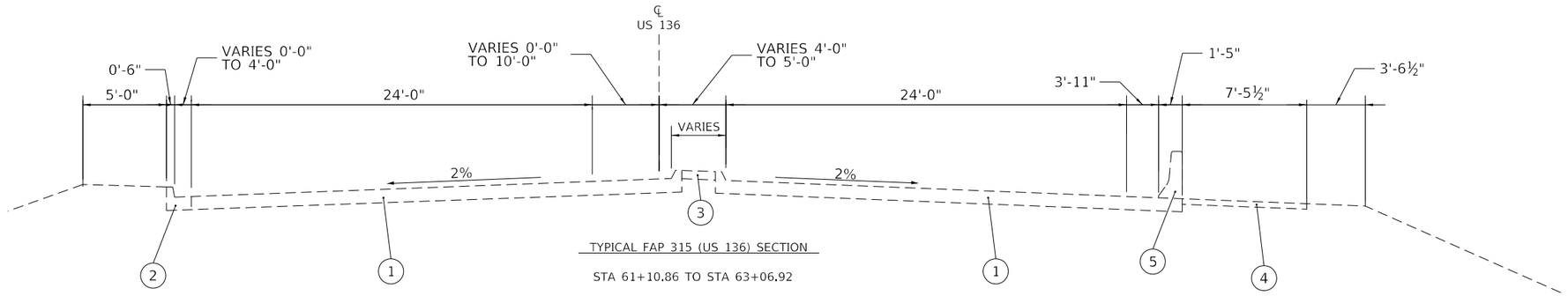
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | **STATE OF ILLINOIS** |
| | DRAWN - | REVISED - | **DEPARTMENT OF TRANSPORTATION** |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/18/2023 | DATE - | REVISED - | |

**SUMMARY OF QUANTITIES**

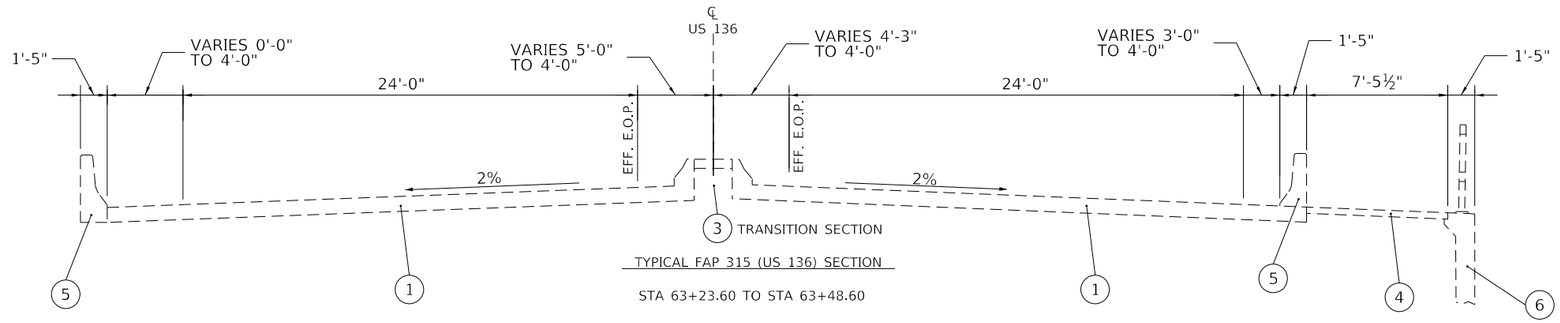
SCALE: N/A | SHEET 4 OF 4 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 6 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |



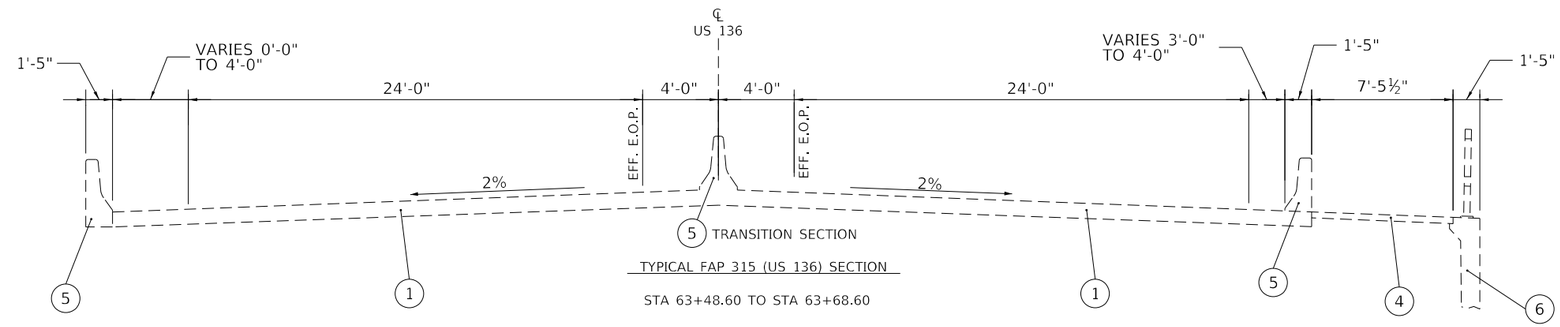

TYPICAL FAP 315 (US 136) SECTION

STA 61+10.86 TO STA 63+06.92



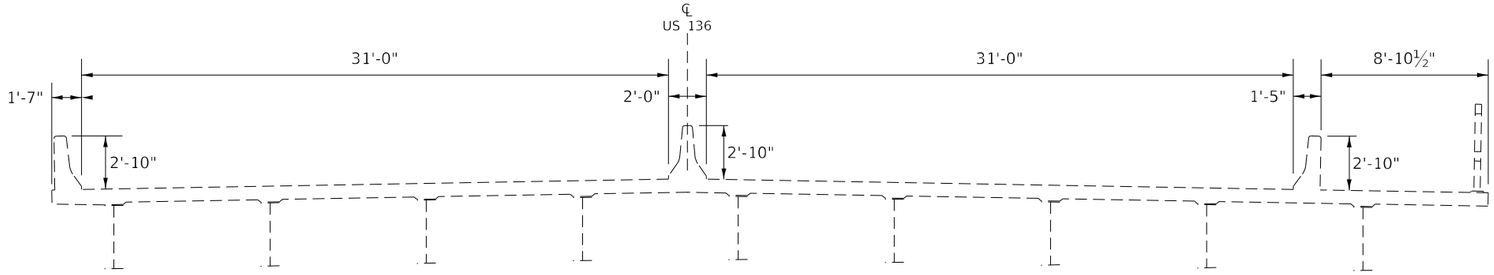

TYPICAL FAP 315 (US 136) SECTION

STA 63+23.60 TO STA 63+48.60




TYPICAL FAP 315 (US 136) SECTION

STA 63+48.60 TO STA 63+68.60




TYPICAL FAP 315 (US 136) SECTION

STA 63+68.60 TO STA 97+11.41

## EXISTING LEGEND

1. EXISTING STANDARD OR SLIP FORM P.C.C. PAVEMENT CLASS "C"
2. EXISTING P.C.C. INTEGRAL CURB
3. EXISTING P.C. CONCRETE MEDIAN
4. EXISTING P.C. CONCRETE SIDEWALK
5. EXISTING CONCRETE APPROACH BARRIER
6. EXISTING RETAINING WALL
7. EXISTING BITUMINOUS SURFACE
8. EXISTING BITUMINOUS SHOULDER
9. EXISTING 10" BITUMINOUSE BASE COURSE
10. EXISTING 4" SUB BASE GRANULAR MATERIAL
11. EXISTING CONCRETE CURB
12. EXISTING CONCRETE BARRIER, DOUBLE FACE
13. EXISTING GUARDRAIL, TYPE A
14. EXISTING CHAIN LINK FENCE
15. EXISTING BACKFILL
16. EXISTING CONCRETE BINDER COURSE



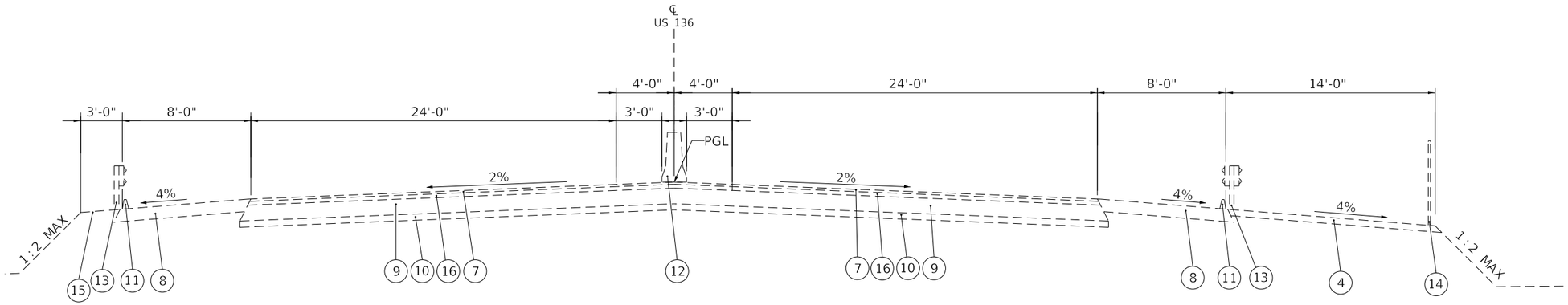
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 8.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**EXISTING TYPICAL SECTIONS**

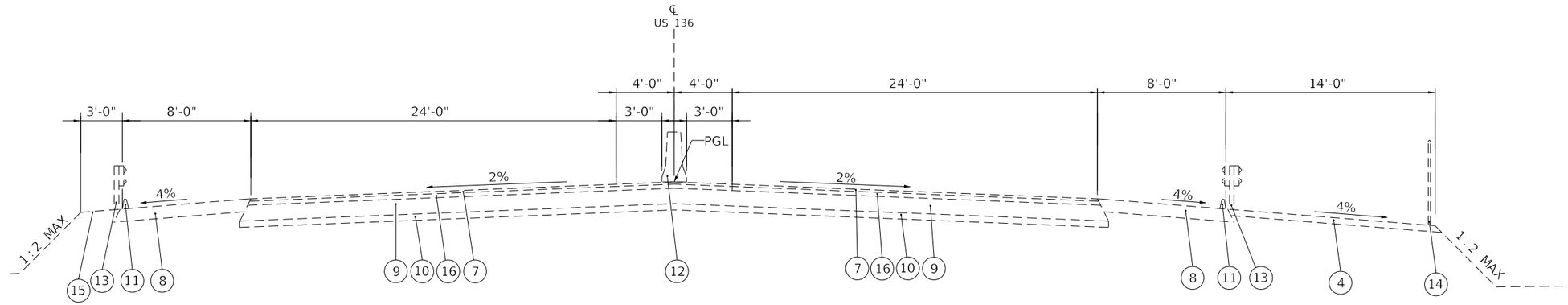
SCALE: N/A | SHEET 1 OF 4 SHEETS | STA. 61+10.86 TO STA. 97+11.41

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 7 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |



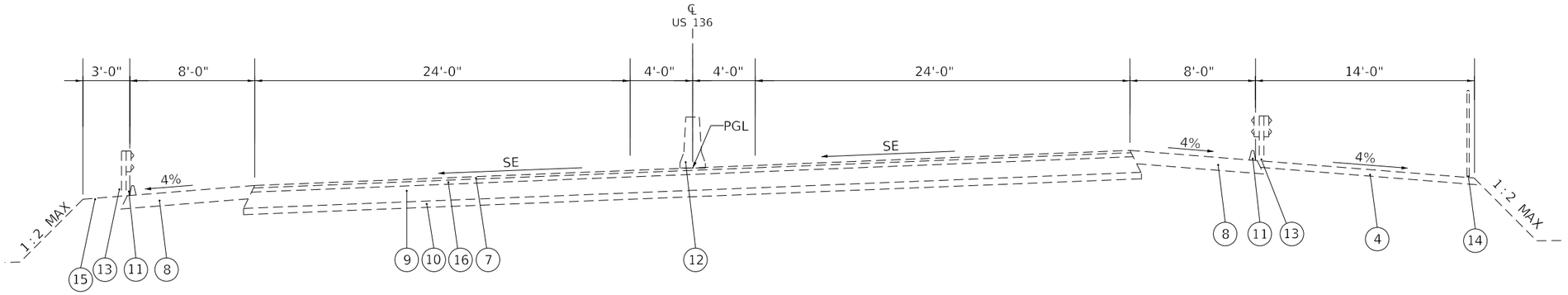

TYPICAL FAP 315 (US 136) SECTION

STA 97+11.41 TO STA 97+63.02




TYPICAL FAP 315 (US 136) SECTION

STA 97+63.02 TO STA 98+13.02




TYPICAL FAP 315 (US 136) SECTION

STA 107+59.92 TO STA 110+32.00

## EXISTING LEGEND

1. EXISTING STANDARD OR SLIP FORM P.C.C. PAVEMENT CLASS "C"
2. EXISTING P.C.C. INTEGRAL CURB
3. EXISTING P.C. CONCRETE MEDIAN
4. EXISTING P.C. CONCRETE SIDEWALK
5. EXISTING CONCRETE APPROACH BARRIER
6. EXISTING RETAINING WALL
7. EXISTING BITUMINOUS SURFACE
8. EXISTING BITUMINOUS SHOULDER
9. EXISTING 10" BITUMINOUSE BASE COURSE
10. EXISTING 4" SUB BASE GRANULAR MATERIAL
11. EXISTING CONCRETE CURB
12. EXISTING CONCRETE BARRIER, DOUBLE FACE
13. EXISTING GUARDRAIL, TYPE A
14. EXISTING CHAIN LINK FENCE
15. EXISTING BACKFILL
16. EXISTING CONCRETE BINDER COURSE

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FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 6\Projects\D672H57\CADData SS10\CADsheets\D672H57-sht-typical.dgn

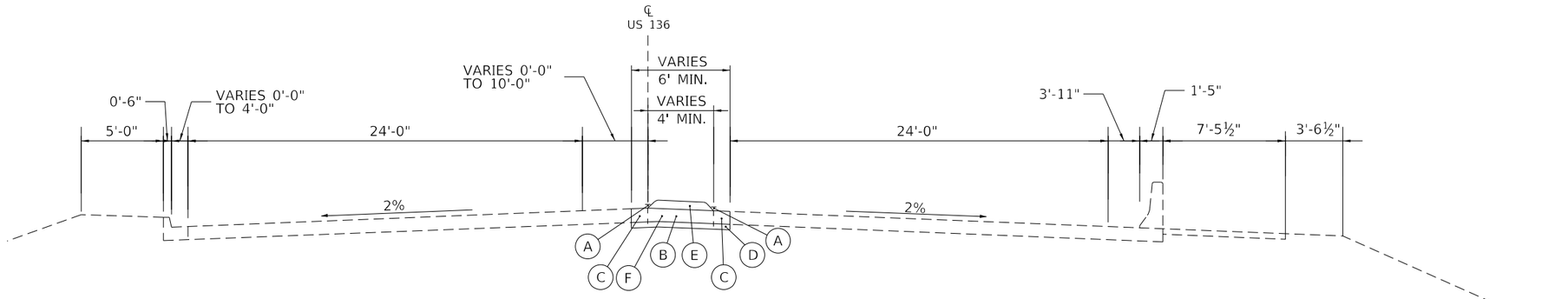
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 8.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**EXISTING TYPICAL SECTIONS**

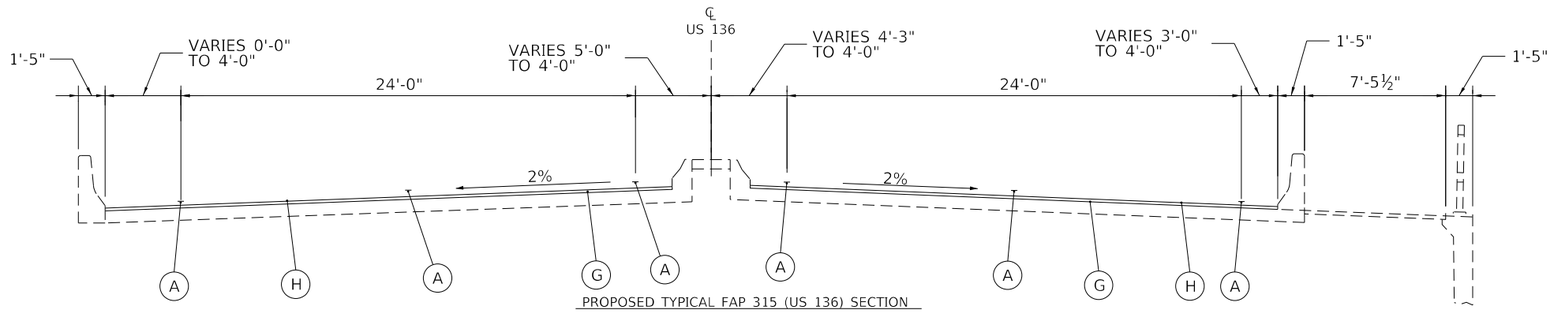
SCALE: N/A | SHEET 2 OF 4 SHEETS | STA. 97+11.41 TO STA. 110+32.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 8 |
| | | CONTRACT NO. 72H57 | | |
| | | ILLINOIS | FED. AID PROJECT | |



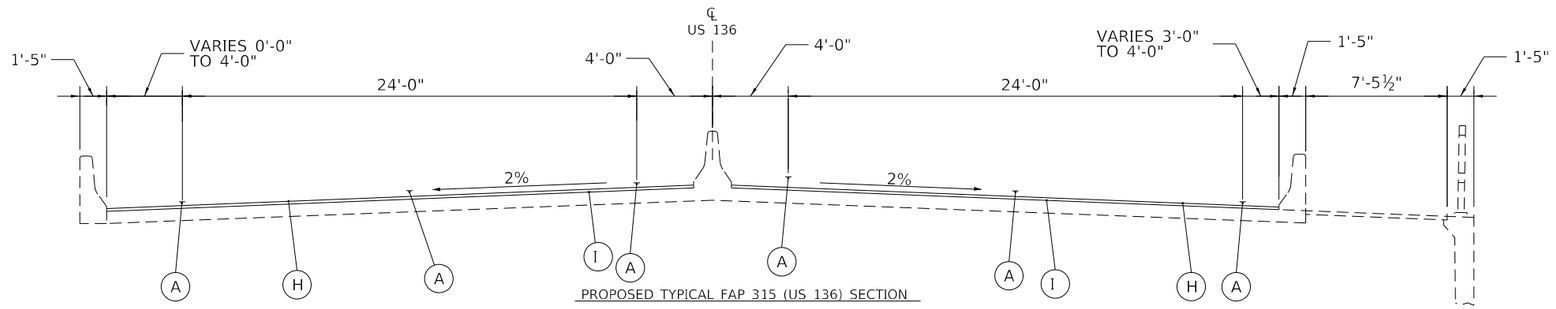

PROPOSED TYPICAL FAP 315 (US 136) SECTION

STA 61+10.86 TO STA 63+06.92 (SEE SHEET 30 FOR DETAILS)



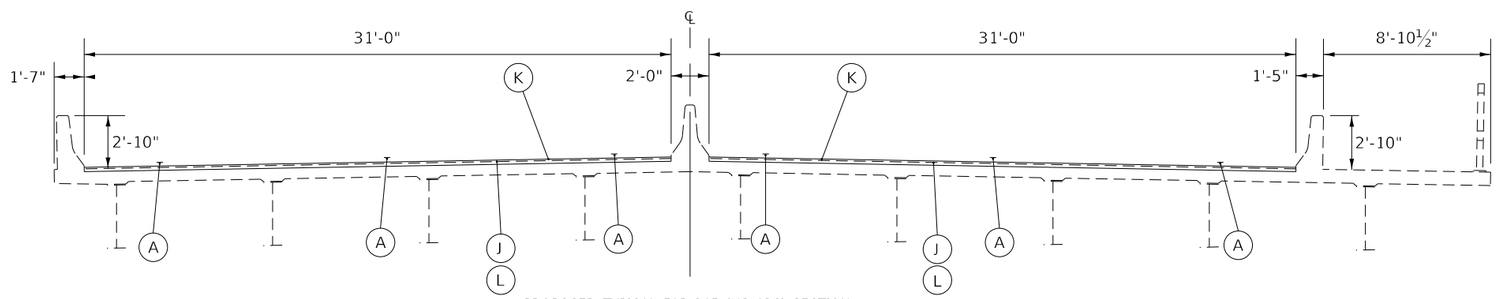

PROPOSED TYPICAL FAP 315 (US 136) SECTION

STA 63+07.40 TO STA 63+48.60




PROPOSED TYPICAL FAP 315 (US 136) SECTION

STA 63+48.60 TO STA 63+68.60




PROPOSED TYPICAL FAP 315 (US 136) SECTION

STA 63+68.60 TO STA 97+11.41

PROPOSED LEGEND

- (A) PAVEMENT MARKING - LINE 5"
- (B) PROPOSED CONCRETE MEDIAN REMOVAL
- (C) PROPOSED PAVEMENT REMOVAL
- (D) PROPOSED SUBBASE GRANULAR MATERIAL TYPE B, 4"
- (E) PROPOSED CONCRETE MEDIAN, TYPE SM (DOWELLED)
- (F) PROPOSED P.C.C. BASE COURSE, 9.5"
- (G) PROPOSED P.C.C. SURFACE REMOVAL - BUTT JOINT
- (H) PROPOSED HMA SURFACE COURSE - 1½"
- (I) PROPOSED P.C.C. SURFACE REMOVAL -½"
- (J) PROPOSED BRIDGE DECK SCARIFICATION (VARIES 1½" TO 1¾")
- (K) PROPOSED BRIDGE DECK MICROSILICA CONCRETE OVERLAY - 2¾"
- (L) PROPOSED DIAMOND GRINDING -¼"
- (M) PROPOSED HMA SURFACE REMOVAL - 1½"
- (N) PROPOSED HMA SURFACE COURSE - 2½"
- (O) PROPOSED CONCRETE BARRIER REMOVAL
- (P) PROPOSED HMA SURFACE COURSE (VARIES 2½" TO 1½")
- (Q) PROPOSED P.C.C. BASE COURSE - 14¼"
- (R) PROPOSED TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)



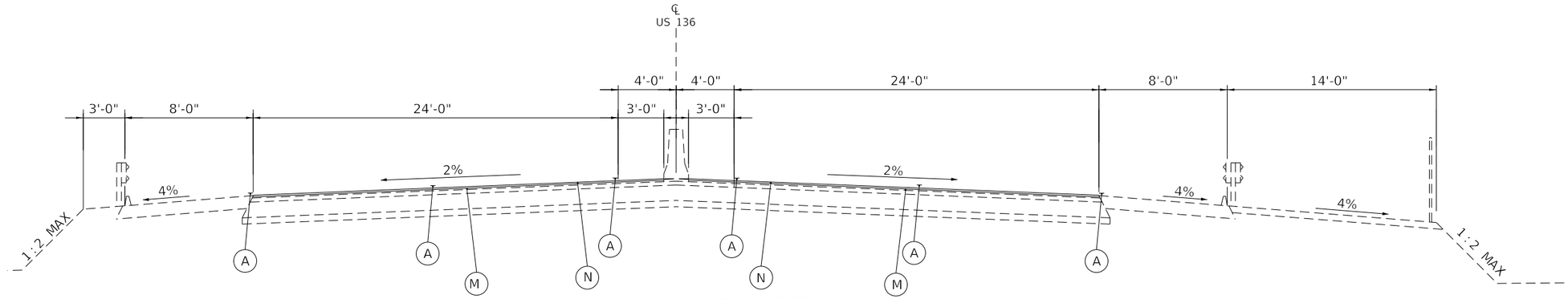
| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 8.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - |

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

**PROPOSED TYPICAL SECTIONS**

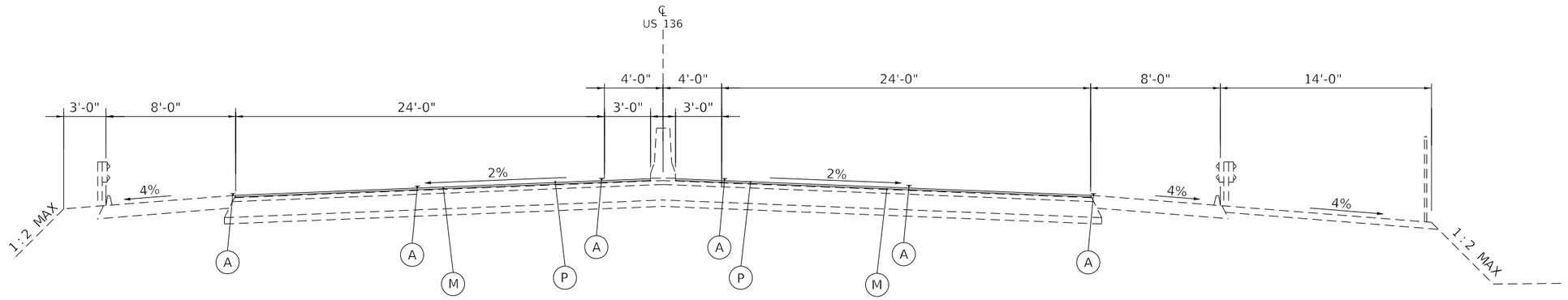
SCALE: N/A | SHEET 3 OF 4 SHEETS | STA. 61+10.86 TO STA. 97+11.41

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 9 |
| | | CONTRACT NO. 72H57 | | |
| | | ILLINOIS | FED. AID PROJECT | |




PROPOSED TYPICAL FAP 315 (US 136) SECTION

STA 97+11.41 TO STA 97+63.02

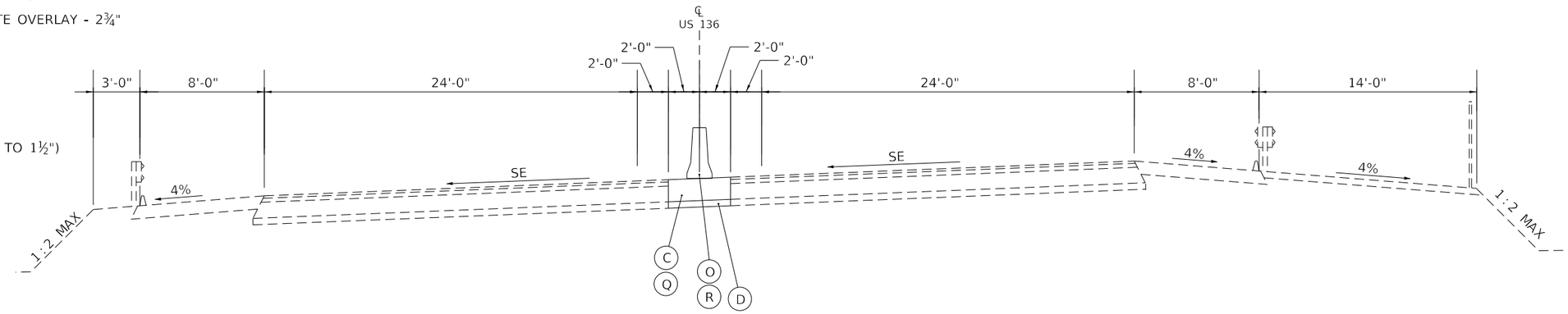



PROPOSED TYPICAL FAP 315 (US 136) SECTION

STA 97+63.02 TO STA 98+13.02

PROPOSED LEGEND

- (A) PAVEMENT MARKING - LINE 5"
- (B) PROPOSED CONCRETE MEDIAN REMOVAL
- (C) PROPOSED PAVEMENT REMOVAL
- (D) PROPOSED SUBBASE GRANULAR MATERIAL TYPE B, 4"
- (E) PROPOSED CONCRETE MEDIAN, TYPE SM (DOWELLED)
- (F) PROPOSED P.C.C. BASE COURSE, 9.5"
- (G) PROPOSED P.C.C. SURFACE REMOVAL - BUTT JOINT
- (H) PROPOSED HMA SURFACE COURSE - 1½"
- (I) PROPOSED P.C.C. SURFACE REMOVAL -½"
- (J) PROPOSED BRIDGE DECK SCARIFICATION (VARIES 1½" TO 1¾")
- (K) PROPOSED BRIDGE DECK MICROSILICA CONCRETE OVERLAY - 2¾"
- (L) PROPOSED DIAMOND GRINDING -¼"
- (M) PROPOSED HMA SURFACE REMOVAL - 1½"
- (N) PROPOSED HMA SURFACE COURSE - 2½"
- (O) PROPOSED CONCRETE BARRIER REMOVAL
- (P) PROPOSED HMA SURFACE COURSE (VARIES 2½" TO 1½")
- (Q) PROPOSED P.C.C. BASE COURSE - 14¼"
- (R) PROPOSED TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)




PROPOSED TYPICAL FAP 315 (US 136) SECTION

STA 107+00.00 TO STA 110+32.00 (SEE SHEET 32 FOR DETAILS)

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 6\Projects\D672H57\CADData SS10\CADsheets\D672H57-sht-typical.dgn

| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 8.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**PROPOSED TYPICAL SECTIONS**

SCALE: N/A | SHEET 4 OF 4 SHEETS | STA. 97+11.41 | TO STA. 110+32.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 10 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## HMA AND PCC SCHEDULE

| LOCATION | 40600290 BITUMINOUS MATERIALS (TACK COAT) | 40600985 PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT | Z0038115 PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1/2" | 44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" | 40604162 POLYMERIZED HMA SURFACE COURSE. IL 9.5 MIX"D", N70 | Z0041895 POLYMER CONCRETE | NOTES |
|---|---|---|---|---|---|---|---|
| | POUND | SQ YD | SQ YD | SQ YD | TON | CU FT | |
| US 136 EB | | | | | | | |
| STA 63+06.9 TO 63+07.4 RT | | | | | | 1.7 | 6" WIDE X 1.5" THICK |
| STA 63+07.4 TO 63+48.6 RT | 60 | 134 | | | 11.3 | | |
| STA 63+48.6 TO 63+68.6 RT | 31 | | 69 | | 5.8 | | |
| STA 97+11.4 TO 97+63.0 RT | 79 | | | 176 | 24.7 | | |
| STA 97+63.0 TO 98+13.0 RT | 77 | | | 171 | 17.9 | | |
| US 136 WB | | | | | | | |
| STA 63+06.9 TO 63+07.4 LT | | | | | | 1.7 | 6" WIDE X 1.5" THICK |
| STA 63+07.4 TO 63+48.6 LT | 60 | 133 | | | 11.2 | | |
| STA 63+48.6 TO 63+68.6 LT | 31 | | 69 | | 5.8 | | |
| STA 97+11.4 TO 97+63.0 LT | 79 | | | 176 | 14.8 | | |
| STA 97+63.0 TO 98+13.0 LT | 77 | | | 171 | 17.9 | | |
| **TOTAL** | **495** | **267** | **138** | **694** | **109** | **3.4** | |

## PAVEMENT MARKINGS SCHEDULE

| LOCATION | 78009005 MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | 78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING | NOTES |
|---|---|---|---|
| | FOOT | SQ FT | |
| US 136 EB | | | |
| STA 61+13.9 TO 63+06.9 RT | 193 | | 5" MEDIAN EDGE LINE (YELLOW) EB |
| STA 63+06.9 TO 98+13.0 RT | 3506 | | FINAL EDGE LINE (WHITE) EB |
| STA 63+06.9 TO 98+13.0 RT | 1424 | | CENTERLINE SKIP DASH (WHITE) EB |
| STA 63+06.9 TO 98+13.0 RT | 3506 | | FINAL EDGE LINE (YELLOW) EB |
| US 136 WB | | | |
| STA 61+13.9 TO 63+06.9 LT | 194 | | 5" MEDIAN EDGE LINE (YELLOW) WB |
| STA 63+06.9 TO 120+00.0 LT | | 593 | X. 5" CENTERLINE SKIP DASH (WHITE) WB |
| STA 63+06.9 TO 107+00.0 LT | | 1831 | EX. 5" MEDIAN EDGE LINE (YELLOW) WB |
| STA 63+06.9 TO 98+13.0 LT | 3506 | | FINAL EDGE LINE (WHITE) WB |
| STA 63+06.9 TO 120+00.0 LT | 1424 | | CENTERLINE SKIP DASH (WHITE) WB |
| STA 63+06.9 TO 107+00.0 LT | 4393 | | FINAL EDGE LINE (YELLOW) WB |
| **TOTAL** | **18146** | **2424** | |

## IMPACT ATTENUATOR SCHEDULE

| LOCATION | 70600255 IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 | 64300750 IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 2 | X6430130 REMOVE IMPACT ATTENUATORS, STATE OWNED |
|---|---|---|---|
| | EACH | EACH | EACH |
| STA 107+00.0 CL | 1 | | |
| STA 110+12.0 CL | | 1 | 1 |
| **TOTAL** | **1** | **1** | **1** |

## CONCRETE MEDIAN SCHEDULE

| LOCATION | X4403300 CONCRETE MEDIAN REMOVAL | 44000100 PAVEMENT REMOVAL | 31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4" | 35300410 PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2" | X6061702 CONCRETE MEDIAN, TYPE SM (DOWELLED) | NOTES |
|---|---|---|---|---|---|---|
| | SQ FT | SQ YD | SQ YD | SQ YD | SQ FT | |
| STA 61+10.9 TO 63+06.9 RT/LT | 1185 | 80 | 211 | 211 | | PRIOR TO STAGED CONSTRUCTION |
| STA 61+11.9 TO 63+06.9 RT/LT | | | | | 1381 | POST STAGED CONSTRUCTION |
| **TOTAL** | **1185** | **80** | **211** | **211** | **1381** | |

## CONCRETE BARRIER SCHEDULE

| LOCATION | 44001980 CONCRETE BARRIER REMOVAL | 44000100 PAVEMENT REMOVAL | 31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4" | 35300730 PORTLAND CEMENT CONCRETE BASE COURSE 14 1/4" | X7040012 TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY) | NOTES |
|---|---|---|---|---|---|---|
| | FOOT | SQ YD | SQ YD | SQ YD | FOOT | |
| STA 107+00.0 TO 110+32.0 CL | 312 | 148 | 148 | 148 | | PRIOR TO STAGED CONSTRUCTION |
| STA 107+00.0 TO 110+12.0 CL | | | | | 312 | POST STAGED CONSTRUCTION |
| **TOTAL** | **312** | **148** | **148** | **148** | **312** | |

## BARRIER WALL REFLECTORS

| US 136 EB LOCATION | 78200010 BARRIER WALL REFLECTORS, TYPE B | 78200011 BARRIER WALL REFLECTORS, TYPE C | US 136 EB LOCATION | 78200010 BARRIER WALL REFLECTORS, TYPE B | 78200011 BARRIER WALL REFLECTORS, TYPE C |
|---|---|---|---|---|---|
| | EACH | EACH | | EACH | EACH |
| STA 64+00.00 CL/RT | 2 | 2 | STA 110+11.90 CL/LT | 2 | 2 |
| STA 64+80.00 CL/RT | 2 | 2 | STA 109+31.90 CL/LT | 2 | 2 |
| STA 65+60.00 CL/RT | 2 | 2 | STA 108+51.90 CL/LT | 2 | 2 |
| STA 66+40.00 CL/RT | 2 | 2 | STA 107+71.90 CL/LT | 2 | 2 |
| STA 67+20.00 CL/RT | 2 | 2 | STA 106+91.90 CL/LT | 2 | 2 |
| STA 68+00.00 CL/RT | 2 | 2 | STA 106+11.90 CL/LT | 2 | 2 |
| STA 68+90.00 CL/RT | 2 | 2 | STA 105+21.90 CL/LT | 2 | 2 |
| STA 69+80.00 CL/RT | 2 | 2 | STA 104+31.90 CL/LT | 2 | 2 |
| STA 70+70.00 CL/RT | 2 | 2 | STA 103+41.90 CL/LT | 2 | 2 |
| STA 71+60.00 CL/RT | 2 | 2 | STA 102+51.90 CL/LT | 2 | 2 |
| STA 72+50.00 CL/RT | 2 | 2 | STA 100+66.90 CL/LT | 2 | 2 |
| STA 74+35.00 CL/RT | 2 | 2 | STA 98+66.90 CL/LT | 2 | 2 |
| STA 76+35.00 CL/RT | 2 | 2 | STA 96+66.90 CL/LT | 2 | 2 |
| STA 78+35.00 CL/RT | 2 | 2 | STA 92+66.90 CL/LT | 2 | 2 |
| STA 82+35.00 CL/RT | 2 | 2 | STA 88+66.90 CL/LT | 2 | 2 |
| STA 86+35.00 CL/RT | 2 | 2 | STA 84+66.90 CL/LT | 2 | 2 |
| STA 90+35.00 CL/RT | 2 | 2 | STA 80+66.90 CL/LT | 2 | 2 |
| STA 94+35.00 CL/RT | 2 | 2 | STA 77+95.64 CL/LT | 2 | 2 |
| STA 96+71.29 CL/RT | 2 | 2 | STA 75+95.64 CL/LT | 2 | 2 |
| STA 98+71.29 CL/RT | 2 | 2 | STA 73+95.64 CL/LT | 2 | 2 |
| STA 100+71.29 CL/RT | 2 | 2 | STA 72+10.64 CL/LT | 2 | 2 |
| STA 102+56.29 CL/RT | 2 | 2 | STA 71+20.64 CL/LT | 2 | 2 |
| STA 103+46.29 CL/RT | 2 | 2 | STA 70+30.64 CL/LT | 2 | 2 |
| STA 104+36.29 CL/RT | 2 | 2 | STA 69+40.64 CL/LT | 2 | 2 |
| STA 105+26.29 CL/RT | 2 | 2 | STA 68+50.64 CL/LT | 2 | 2 |
| STA 106+16.29 CL/RT | 2 | 2 | STA 67+60.64 CL/LT | 2 | 2 |
| STA 107+06.29 CL/RT | 2 | 2 | STA 66+70.64 CL/LT | 2 | 2 |
| STA 107+96.29 CL/RT | 2 | 2 | STA 65+80.64 CL/LT | 2 | 2 |
| STA 108+86.29 CL/RT | 2 | 2 | STA 64+90.64 CL/LT | 2 | 2 |
| STA 109+76.29 CL/RT | 2 | 2 | STA 64+00.64 CL/LT | 2 | 2 |
| STA 110+11.90 CL/RT | 2 | 2 | STA 63+70.00 CL/LT | 2 | 2 |
| **EB TOTAL** | **62** | **62** | **WB TOTAL** | **62** | **62** |

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| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/4/2023 | 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. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 11 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

N. 2ND ST.

SEE SHEET 30 FOR CONCRETE MEDIAN REMOVAL AND REPLACEMENT DETAILS

+06.92 (HMA BJ)

+48.60 (HMA BJ)

+68.60

- PR MODIFIED URETHANE PAVEMENT MARKING, 5" (WHITE)

- PR BRIDGE DECK SCARIFICATION, VARIES 1 1/2" TO 1 3/4"
- PR BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4"
- PR DIAMOND GRINDING, 1/4"

*SEE BRIDGE SHEETS FOR BRIDGE DETAILS*

60+00 61 62 63 64 65+00 66

89°50'24"

- PR POLYMER CONCRETE NOSING (6" WIDE X 1 1/2" THICK)

DO NOT DISTURB MEDIAN TRANSITION

FAP 315
US 136

PC Sta 66+01.00

- PR PCC SURFACE REMOVAL, 1/2"
- PR HMA SURFACE COURSE, 1 1/2"

- PR MODIFIED URETHANE PAVEMENT MARKING, 5" (WHITE)

- PR INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL)

- PR PCC SURFACE REMOVAL (BJ)
- PR HMA SURFACE COURSE, 1 1/2"

- PR MODIFIED URETHANE PAVEMENT MARKING, 5" (YELLOW)

PT Sta 72+10.64

72 71 70+00 69 68 67 66

- PR MODIFIED URETHANE PAVEMENT MARKING, 5" (WHITE)

- PR BRIDGE DECK SCARIFICATION, VARIES 1 1/2" TO 1 3/4"
- PR BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4"
- PR DIAMOND GRINDING, 1/4"

FAP 315
US 136

*SEE BRIDGE SHEETS FOR BRIDGE DETAILS*

- PR MODIFIED URETHANE PAVEMENT MARKING, 5" (WHITE)

- PR MODIFIED URETHANE PAVEMENT MARKING, 5" (YELLOW)

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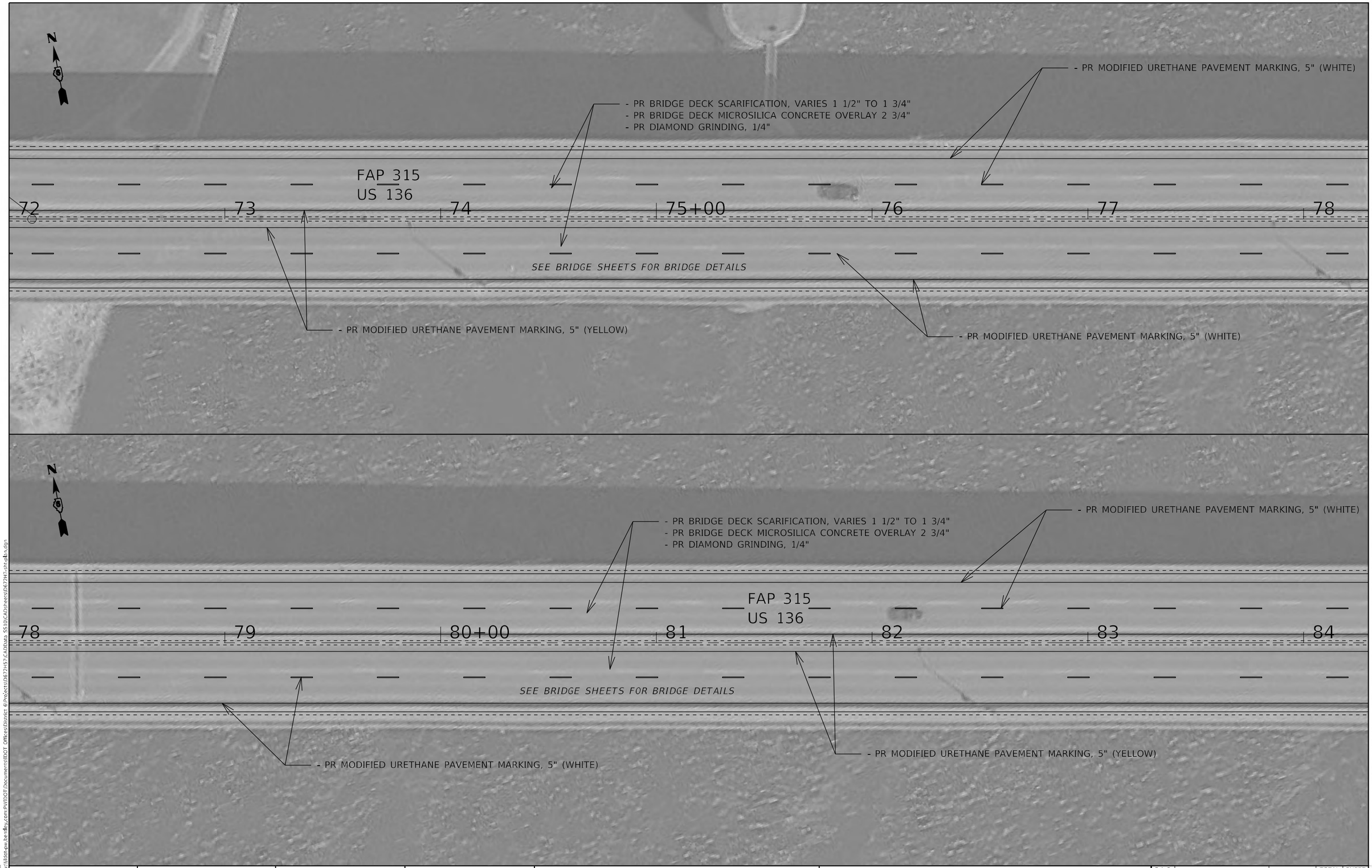
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | **STATE OF ILLINOIS** |
| | DRAWN - | REVISED - | **DEPARTMENT OF TRANSPORTATION** |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

**PLAN SHEET**
**FAP 315 (US 136)**

SCALE: 1"=20' | SHEET 1 OF 5 SHEETS | STA. 60+00.00 | TO STA. 72+50.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 12 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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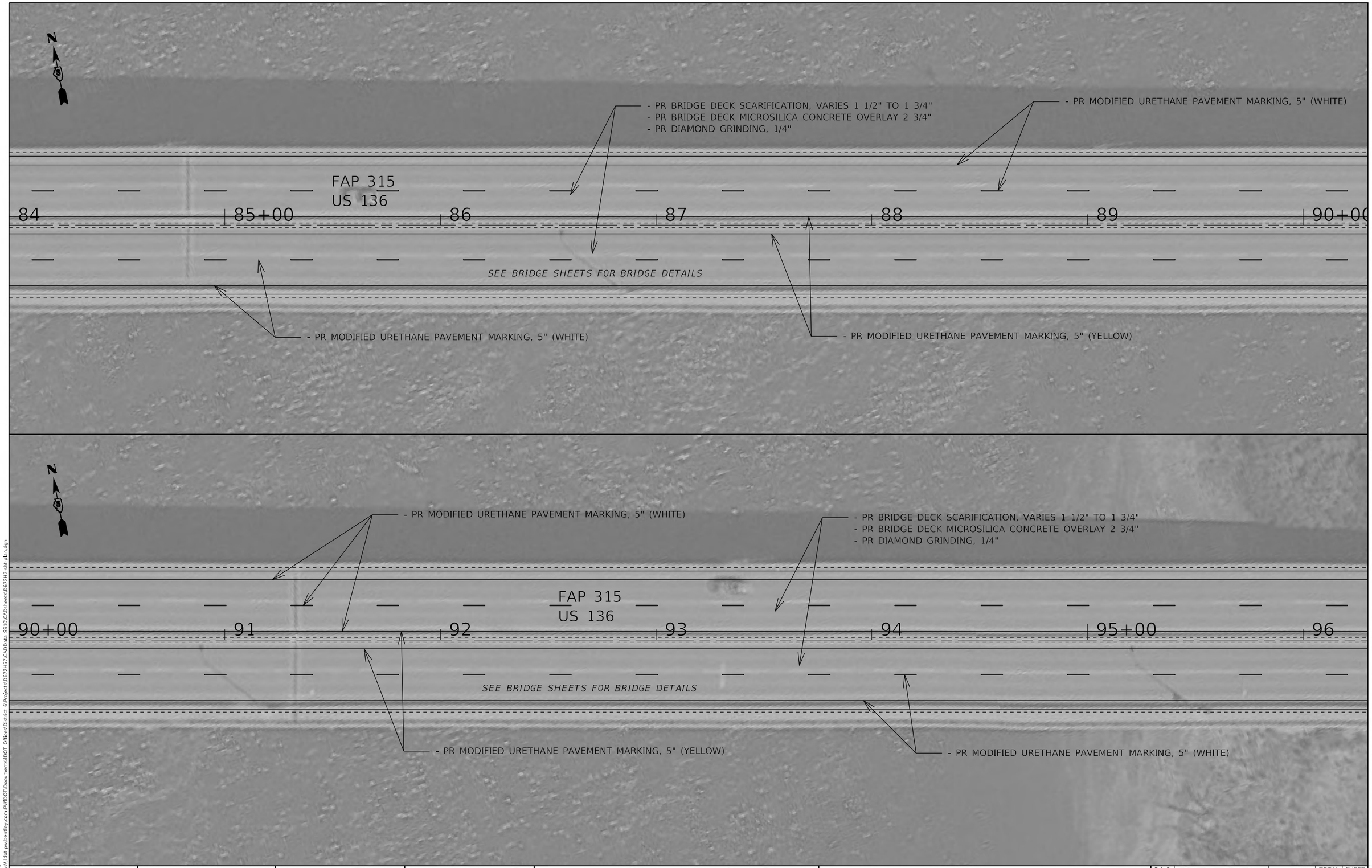
| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - |

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

**PLAN SHEET**
**FAP 315 (US 136)**

SCALE: 1"=20' | SHEET 2 OF 5 SHEETS | STA. 72+50.00 TO STA. 84+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 13 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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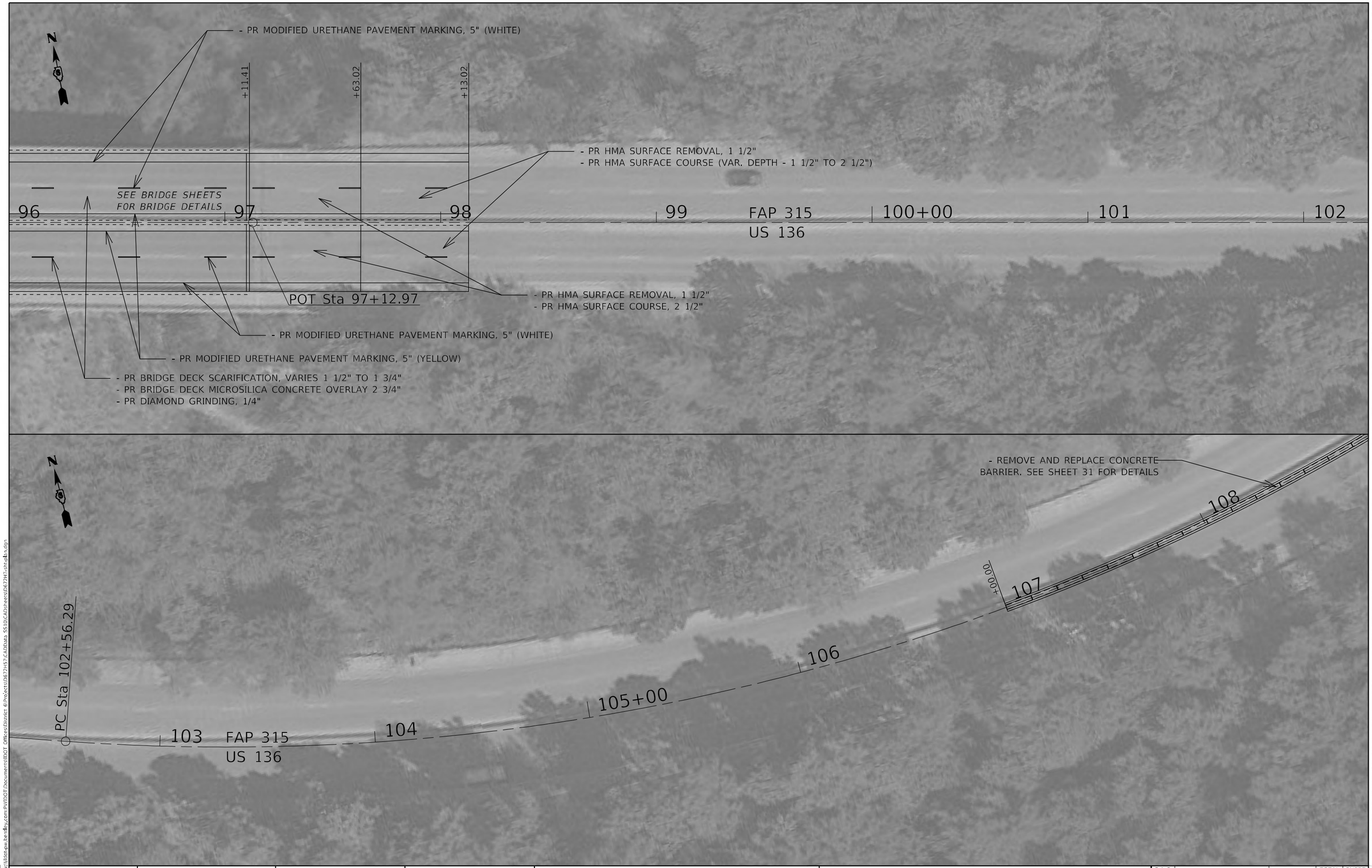
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**PLAN SHEET**
**FAP 315 (US 136)**

SCALE: 1"=20' | SHEET 3 OF 5 SHEETS | STA. 84+00.00 | TO STA. 96+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 14 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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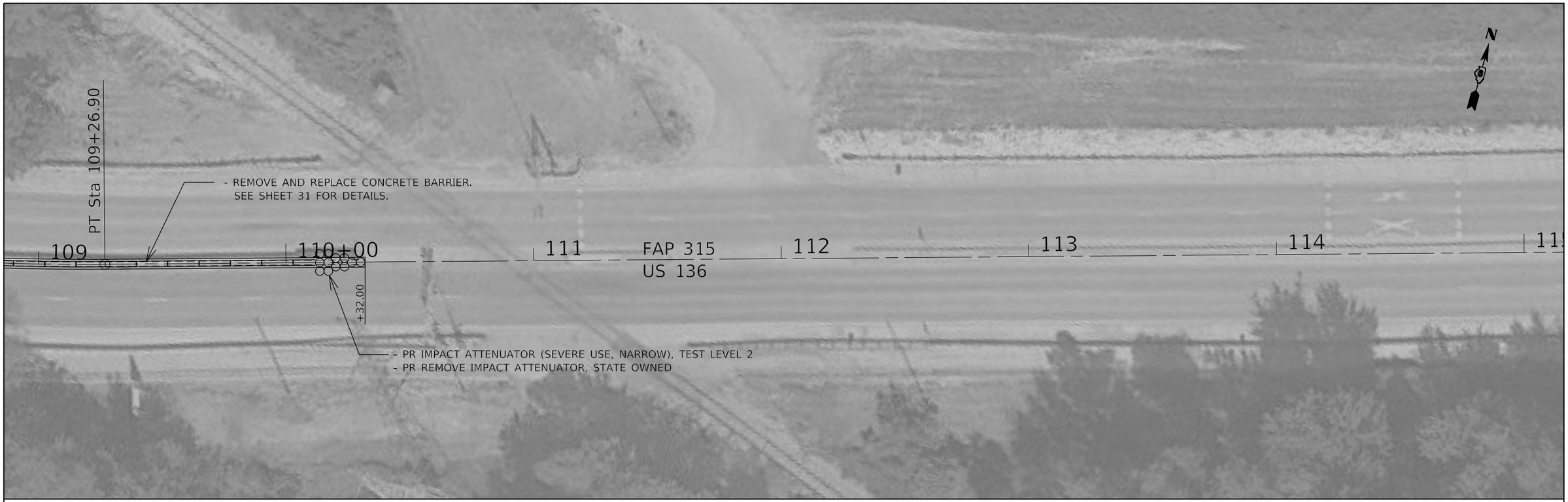
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**PLAN SHEET**
**FAP 315 (US 136)**

SCALE: 1"=20' | SHEET 4 OF 5 SHEETS | STA. 96+00.00 | TO STA. 108+86.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 15 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**PLAN SHEET**
**FAP 315 (US 136)**

SCALE: 1"=20' | SHEET 5 OF 5 SHEETS | STA. 108+86.00 | TO STA. 115+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 16 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TUBULAR MARKER
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DRUM

WORK ZONE
SPEED LIMIT
**35**
PHOTO ENFORCED

$XXX FINE MINIMUM

N. 3RD ST.

WHITE REFLECTORIZED PAVEMENT MARKING TAPE

54 | 55+00 | 56 | 57 | 58 | 59

STAGE I IMPROVEMENTS SHALL BE PERFORMED UNDER TC&P STANDARD 701601. SEE BRIDGE PLANS AND JOB SPECIAL PROVISIONS FOR ADDITIVE INFORMATION.

S. 4TH ST.

+83 28.0' RT

+83 14.8' RT

200'

167'

ADVANCED SIGNING AND SPACING SHALL BE IN ACCORDANCE TO STD 701606

DEV. SPACED 20' O.C.

DEV. SPACED 50' O.C.

NOTE: ADVANCED WARNING OF ROAD CLOSURE SIGNAGE PER TC&P STANDARD BLR 22

150' (NOT TO SCALE)

DEV. SPACED 25' O.C.

26' | 119'

N. 1ST ST.

WHITE REFLECTORIZED PAVEMENT MARKING TAPE

+04 20.0' LT

+57 18.0' LT

+70 4.0' LT

YELLOW REFLECTORIZED PAVEMENT MARKING TAPE

+38 8.5' LT

66'

12'

12'

13'

14'

FAP 315
US 136

60+00 | 61 | 62 | 63 | 64 | 65+00

N. 2ND ST.

10'

17'

+12 18.7' RT

+38 1.7' RT

+15 1.1' RT

R 500'

+10 5.6' LT

+76

+26

26' | 50'

4 DEVICE MIN.

300' (NOT TO SCALE)

103' | 95' (CHORD LENGTH)

DEV. SPACED 25' O.C.

NOTE: ADVANCED WARNING OF ROAD CLOSURE SIGNAGE PER TC&P STANDARD BLR 22

S. 1ST ST.

YELLOW REFLECTORIZED PAVEMENT MARKING TAPE (DOUBLE YELLOW)

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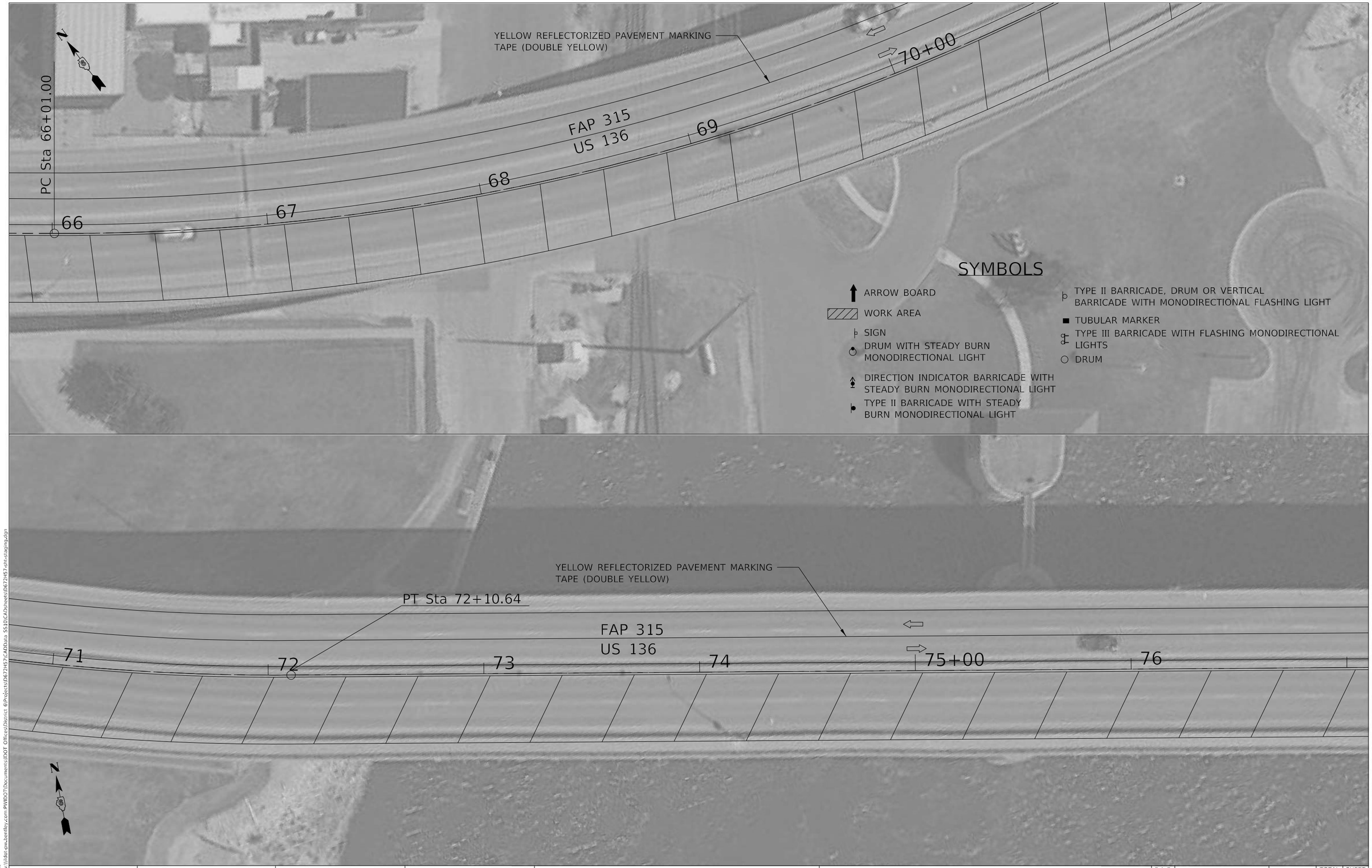
| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - |

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

**STAGE 2 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 1 OF 12 SHEETS | STA. 53+20 | TO STA. 65+80

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 17 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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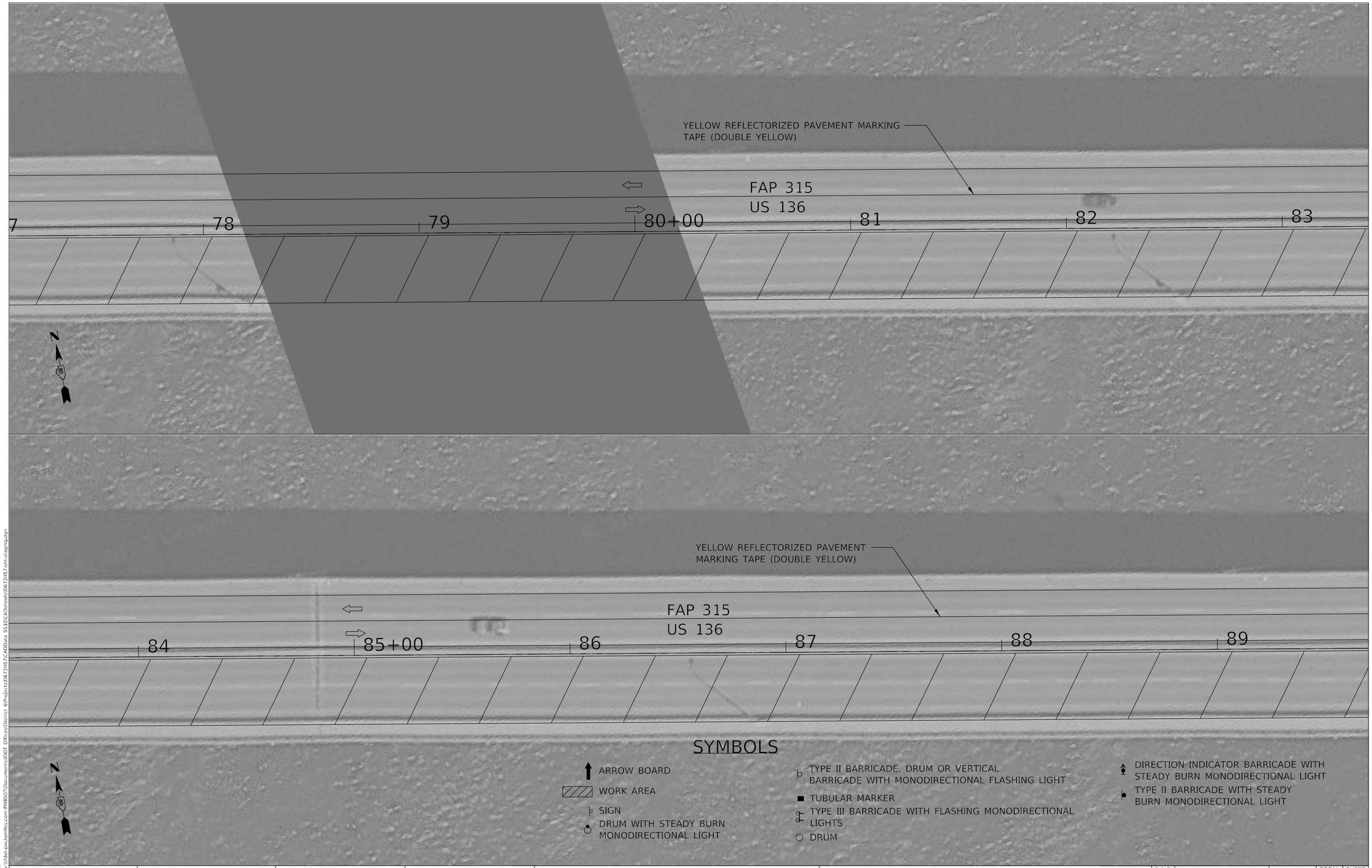
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | **STATE OF ILLINOIS** |
| | DRAWN - | REVISED - | **DEPARTMENT OF TRANSPORTATION** |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - | |

**STAGE 2 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 2 OF 12 SHEETS | STA. 65+80 | TO STA. 77+10

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 18 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TUBULAR MARKER
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DRUM
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

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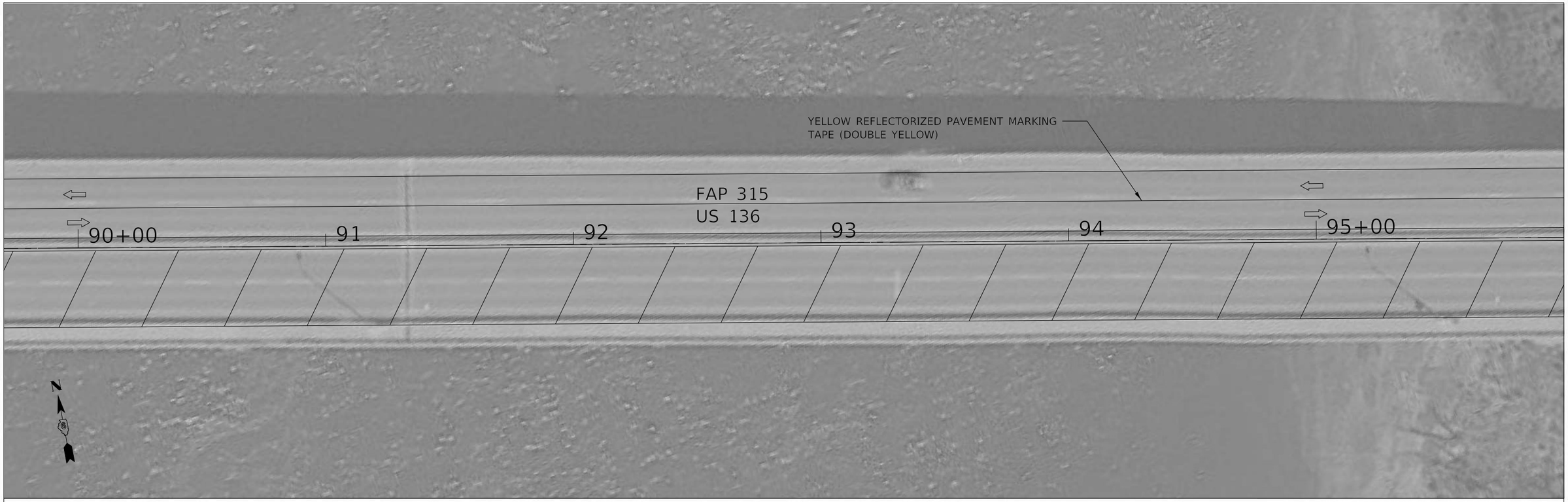
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - | |

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

**STAGE 2 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 3 OF 12 SHEETS | STA. 77+10 | TO STA. 89+70

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 19 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TUBULAR MARKER
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DRUM

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| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | **STATE OF ILLINOIS**<br>**DEPARTMENT OF TRANSPORTATION** |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - | |

**STAGE 2 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 4 OF 12 SHEETS | STA. 89+70 | TO STA. 96+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 20 |
| | | CONTRACT NO. 72H57 | | |
| | | ILLINOIS | FED. AID PROJECT | |

POT Sta 97+12.97

12'
12'

96 | 97 | 98 | 99 | 100+00 | 101 | 102

12'
12'

FAP 315
US 136

N

WHITE REFLECTORIZED PAVEMENT MARKING TAPE

YELLOW REFLECTORIZED PAVEMENT MARKING TAPE (DOUBLE YELLOW)

## SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TUBULAR MARKER
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DRUM

104 | 105+00 | 106 | 107 | 108 | 109 | 110+00

12'
12'

YELLOW REFLECTORIZED PAVEMENT MARKING TAPE

WHITE REFLECTORIZED PAVEMENT MARKING TAPE

+80

DEVICES SPACED 50' O.C.

+80
4.0' LT

12'

PT Sta 109+26.90

YELLOW REFLECTORIZED PAVEMENT MARKING TAPE (DOUBLE YELLOW)

FAP 315
US 136

IMPACT ATTENUATOR

+00

1:12 TAPER

WHITE REFLECTORIZED PAVEMENT MARKING TAPE

+80
4.0' RT

+32

332' CONCRETE BARRIER WALL REMOVAL

N

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| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - |

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

**STAGE 2 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 5 OF 12 SHEETS | STA. 96+00 | TO STA. 110+50

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 21 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

DEVICES SPACED 50' O.C. (TYP.)

DEVICES SPACED 20' O.C. (TYP.)

111 | 112 | 113 | 114 | 115+00 | 116

+32 4.0' RT

FAP 315
US 136

WHITE REFLECTORIZED
PAVEMENT MARKING TAPE

YELLOW REFLECTORIZED
PAVEMENT MARKING TAPE

N

DEVICES SPACED 20' O.C. (TYP.)

POT Sta 117+41.96

PI Sta 118+87.62

ADVANCED SIGNING AND SPACING SHALL
BE IN ACCORDANCE TO STD 701601

117 | 118 | 119 | 120+00 | 121 | 122 | 1

FAP 315
US 136

YELLOW REFLECTORIZED
PAVEMENT MARKING TAPE

## SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TUBULAR MARKER
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DRUM

| | |
|---|---|
| WORK ZONE | W21-III5(0)-3618 |
| SPEED LIMIT 35 | R2-1-3648 |
| PHOTO ENFORCED | R10-I108p-3618 |
| $XXX FINE MINIMUM | R2-I106p-3618 |

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| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - |

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

**STAGE 2 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 6 OF 12 SHEETS | STA. 110+50 | TO STA. 123+10

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 22 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TUBULAR MARKER
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DRUM

WORK ZONE
SPEED LIMIT
**35**
PHOTO ENFORCED

$XXX FINE MINIMUM

N. 3RD ST.

S. 4TH ST.

ADV. SIGNING SPACING
NOT TO SCALE

ADVANCED SIGNING AND SPACING SHALL
BE IN ACCORDANCE TO STD 701606

WHITE REFLECTORIZED PAVEMENT MARKING TAPE

54 | 55+00 | 56 | 57 | 58 | 59

+83 28.0' RT

+83 14.8' RT

200'

167'

DEV. SPACED 20' O.C.

DEV. SPACED 50' O.C.

NOTE: ADVANCED WARNING OF ROAD CLOSURE
SIGNAGE PER TC&P STANDARD BLR 22

DEV. SPACED 25' O.C.

25' | 145'

150' (NOT TO SCALE)

N. 1ST ST.

WHITE REFLECTORIZED PAVEMENT MARKING TAPE

+12 8.5' LT 12.5'

+37 8.5' LT

YELLOW REFLECTORIZED PAVEMENT MARKING TAPE

+61 0.1' RT 12.5'

+87 4.6' RT

FAP 315
US 136

60+00 | 61 | 62 | 63 | 64 | 65+00

N. 2ND ST.

15'

+12 6.1' RT

16'

9'

12' 12'

12' 12'

+32 17.0' RT

+82 16.6' RT

+76 22.0' RT

+26 32.0' RT

26' | 50'

4 DEVICE MIN.

300' (NOT TO SCALE)

120' | 50'

DEV. SPACED 25' O.C.

NOTE: ADVANCED WARNING OF ROAD CLOSURE
SIGNAGE PER TC&P STANDARD BLR 22

YELLOW REFLECTORIZED PAVEMENT MARKING TAPE (DOUBLE YELLOW)

S. 1ST ST.

MODEL: Default
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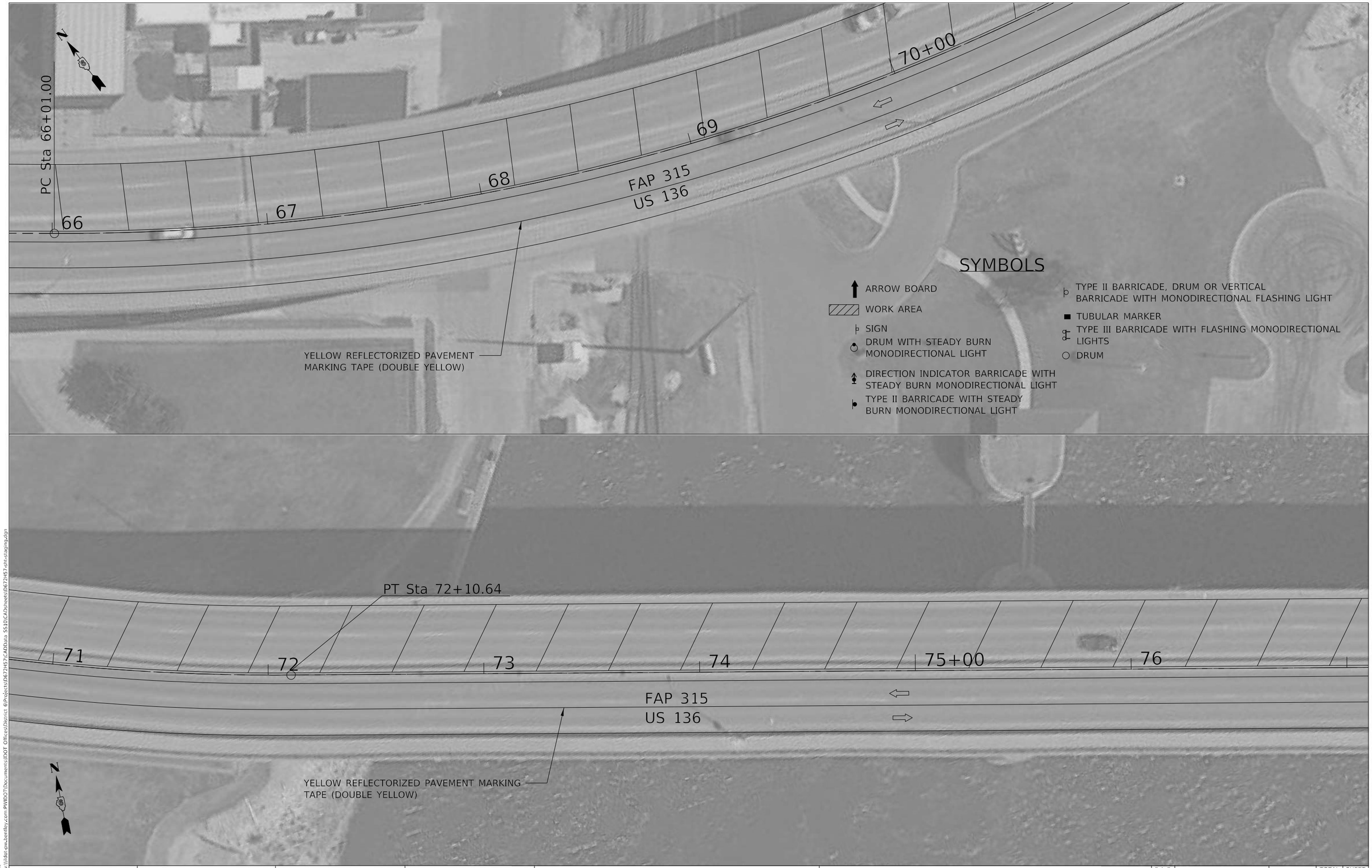
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - | |

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

**STAGE 3 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 7 OF 12 SHEETS | STA. 53+20 | TO STA. 65+80

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 23 |
| | | CONTRACT NO. 72H57 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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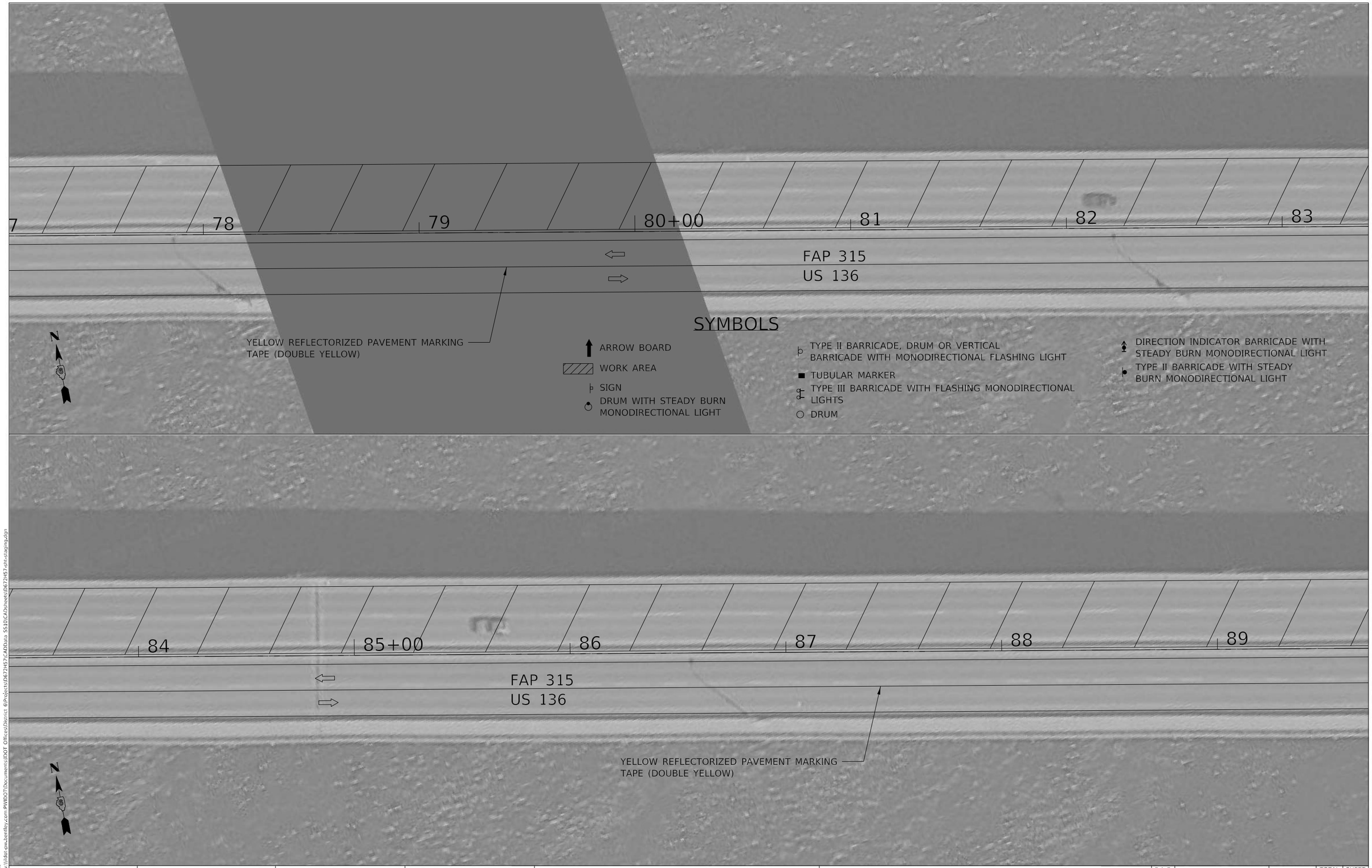
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - | |

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

**STAGE 3 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 8 OF 12 SHEETS | STA. 65+80 | TO STA. 77+10

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 24 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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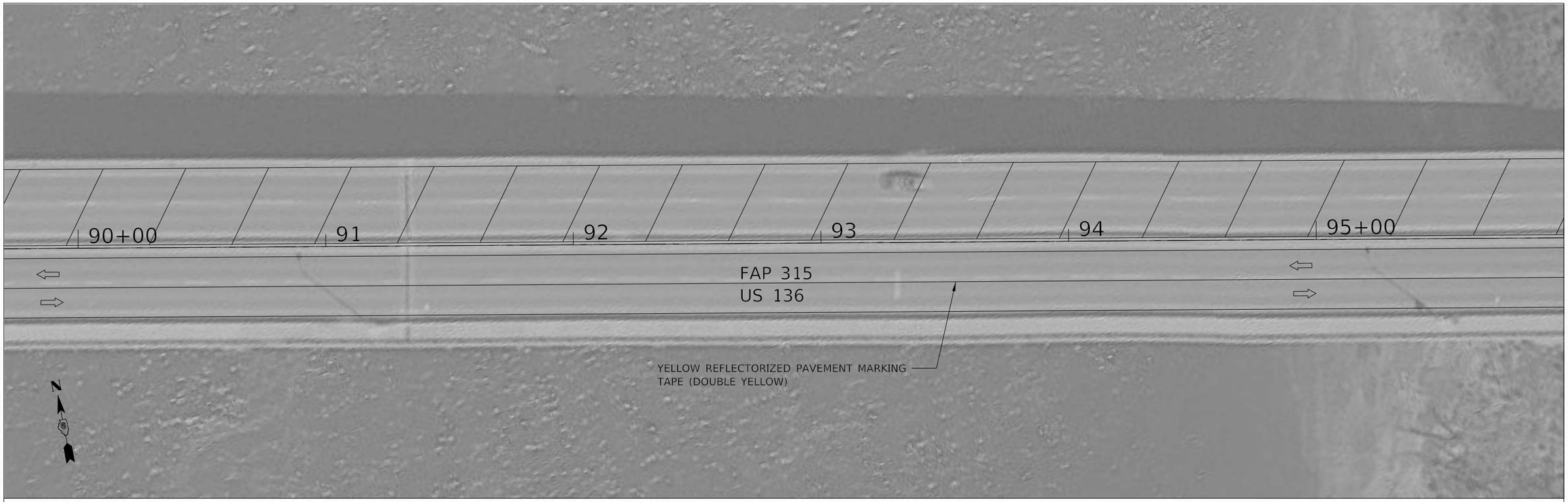
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - | |

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

**STAGE 3 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 9 OF 12 SHEETS | STA. 77+10 | TO STA. 89+70

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 25 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TUBULAR MARKER
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DRUM

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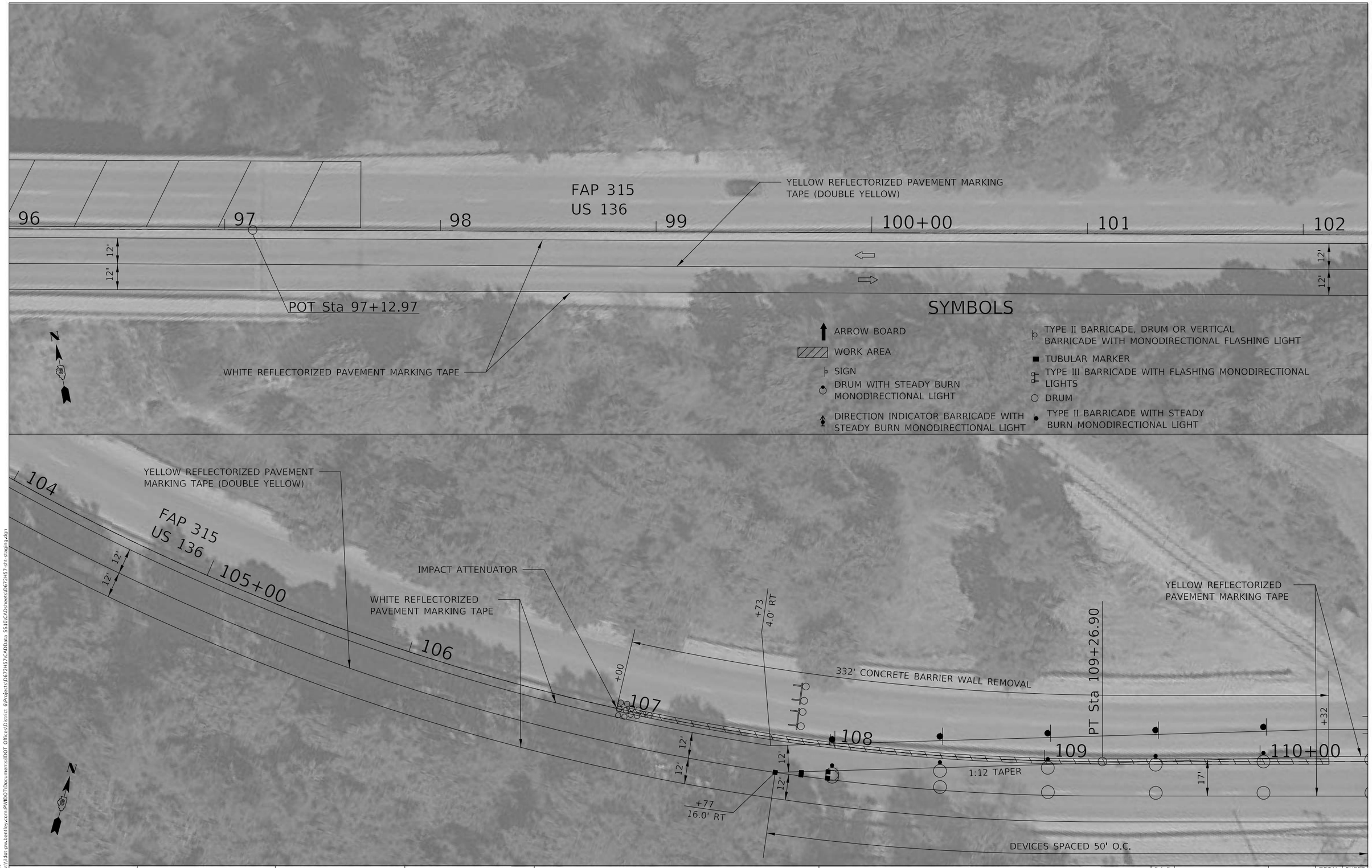
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - | |

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

**STAGE 3 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 10 OF 12 SHEETS | STA. 89+70 | TO STA. 96+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 26 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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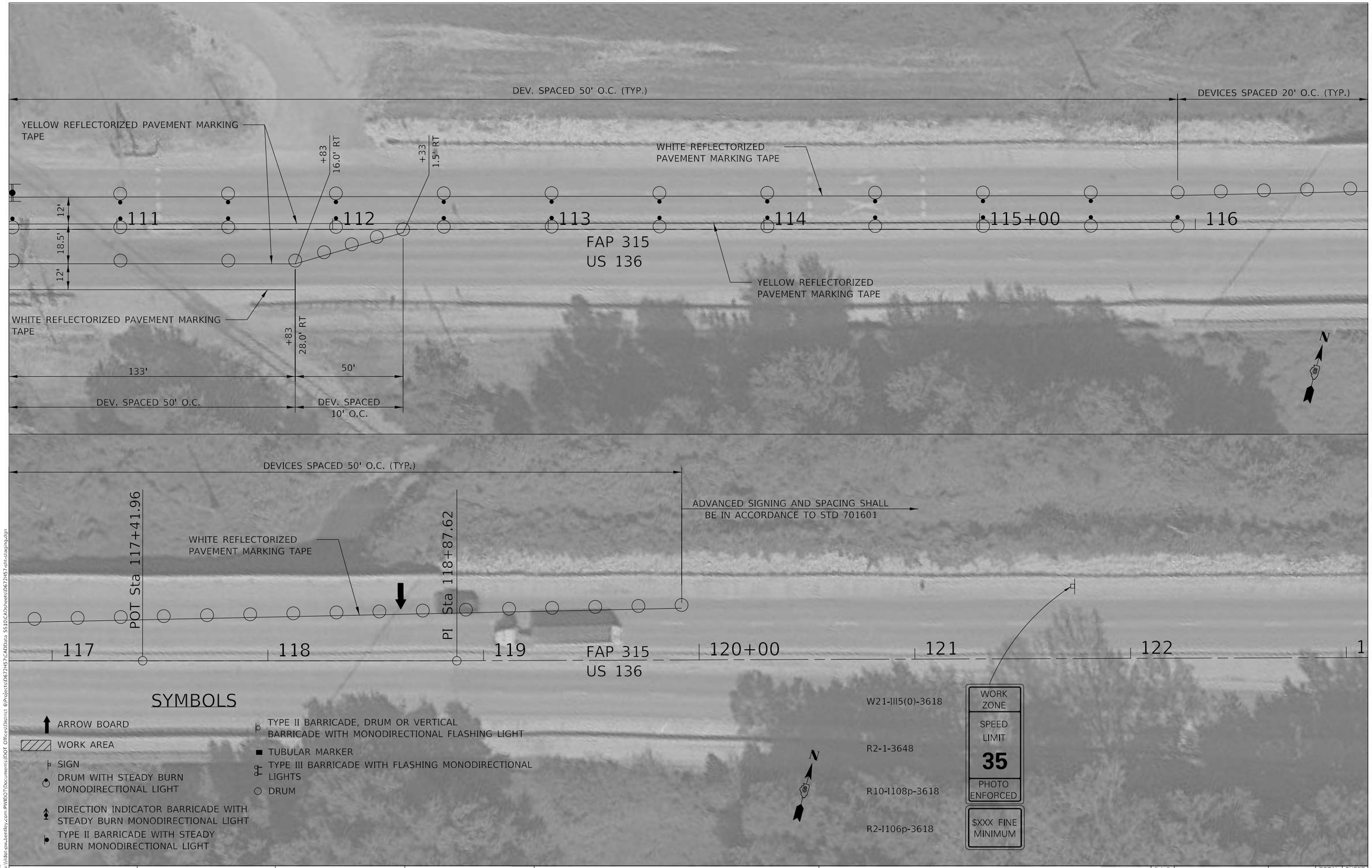
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - | |

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

**STAGE 3 TRAFFIC CONTROL**

SCALE: 1"=20' | SHEET 11 OF 12 SHEETS | STA. 96+00 TO STA. 110+50

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 27 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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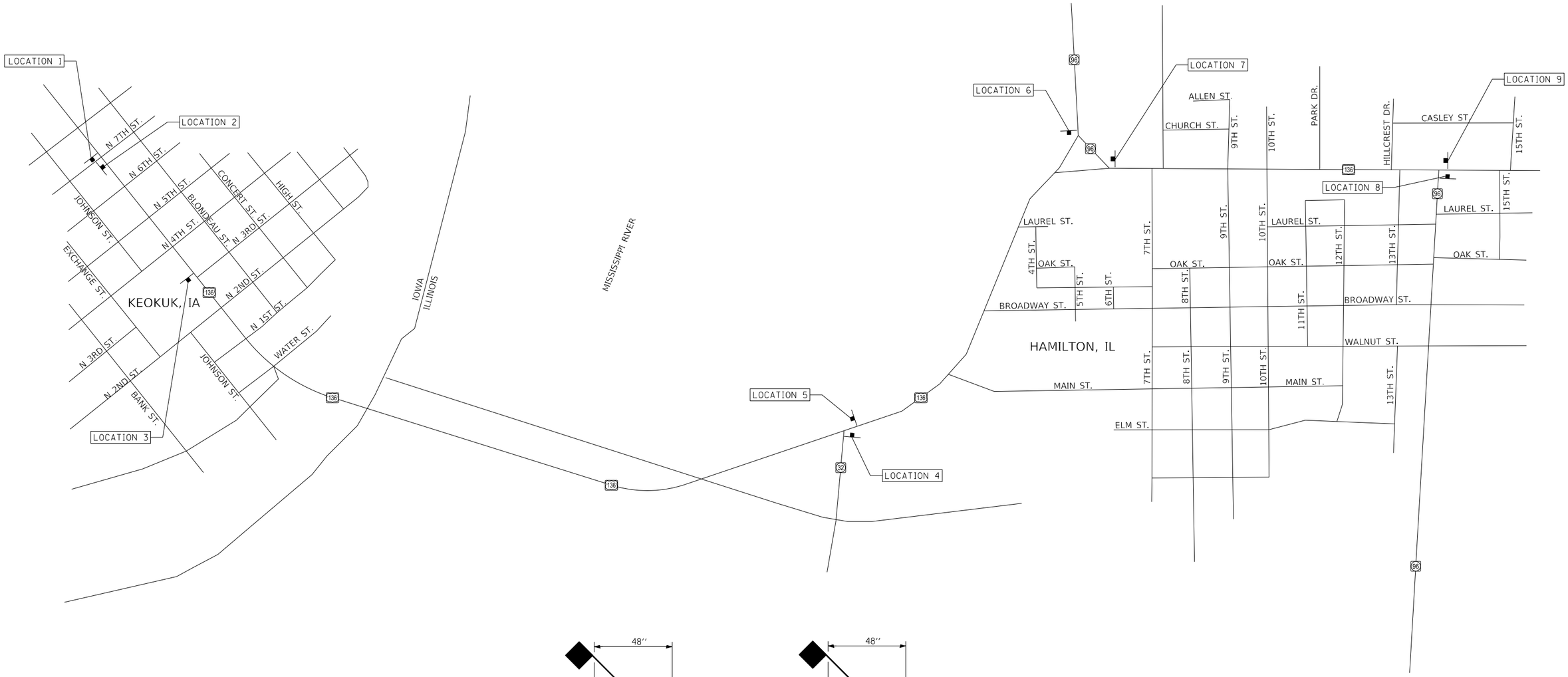
| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/1/2023 | DATE - | REVISED - |

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

**STAGE 3 TRAFFIC CONTROL**

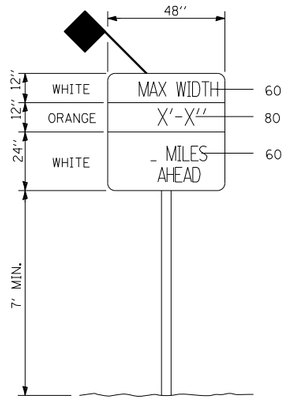
SCALE: 1"=20' | SHEET 12 OF 12 SHEETS | STA. 110+50 | TO STA. 123+10

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 28 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

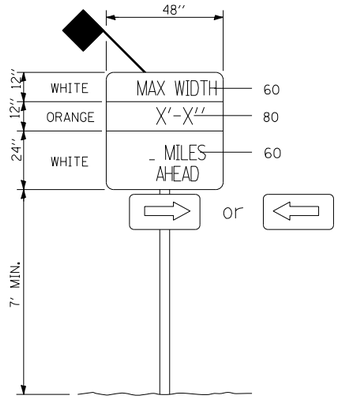



| | | SIGN | |
|---|---|---|---|
| 1 | US 136 EB AT BUS 61 (7TH STREET) | A | 0.4 MILES |
| 2 | BUS 61 NB (7TH STREET) AT US 136 | B | 0.4 MILES |
| 3 | US 136 EB AT 3RD STREET | A | 0.1 MILES |
| 4 | CH 32 (WARSAW ROAD) NB AT US 136 | B | 0.3 MILES |
| 5 | US 136 WB AT CH 32 (WARSAW ROAD) | A | 0.3 MILES |
| 6 | IL 96 SB AT US 136 | B | 1.0 MILES |
| 7 | US 136 WB AT IL 96 | A | 1.0 MILES |
| 8 | IL 96 NB AT US 136 | B | 1.6 MILES |
| 9 | US 136 WB AT IL 96 | A | 1.6 MILES |

LOCATION DISTANCE




SIGN A
(WIDTH RESTRICTION SIGN)




SIGN B
(WIDTH RESTRICTION SIGN)

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 "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:PWDOT\Documents\IDOT Offices\District 6\Projects\D672H57\CADData SS10\CADsheets\D672H57-sht-details.dgn

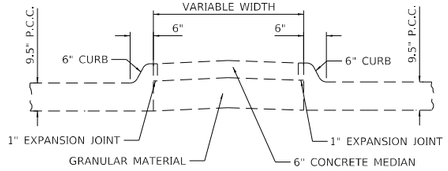
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

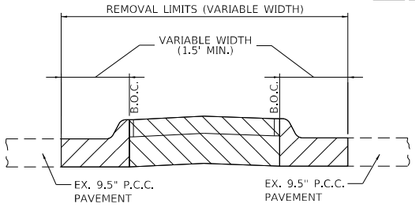
**WIDTH RESTRICTION SIGNING DETAIL**

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

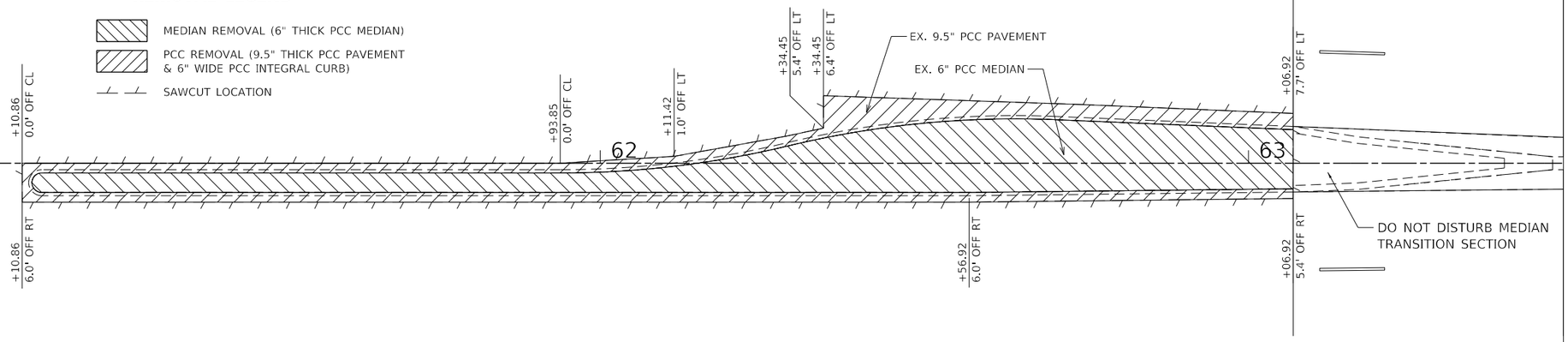
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 29 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |



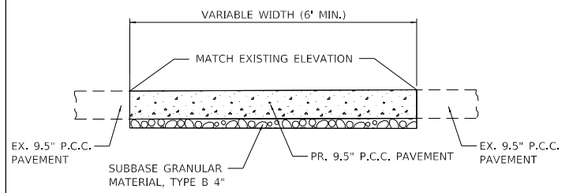

EXISTING TYPICAL - CONCRETE MEDIAN



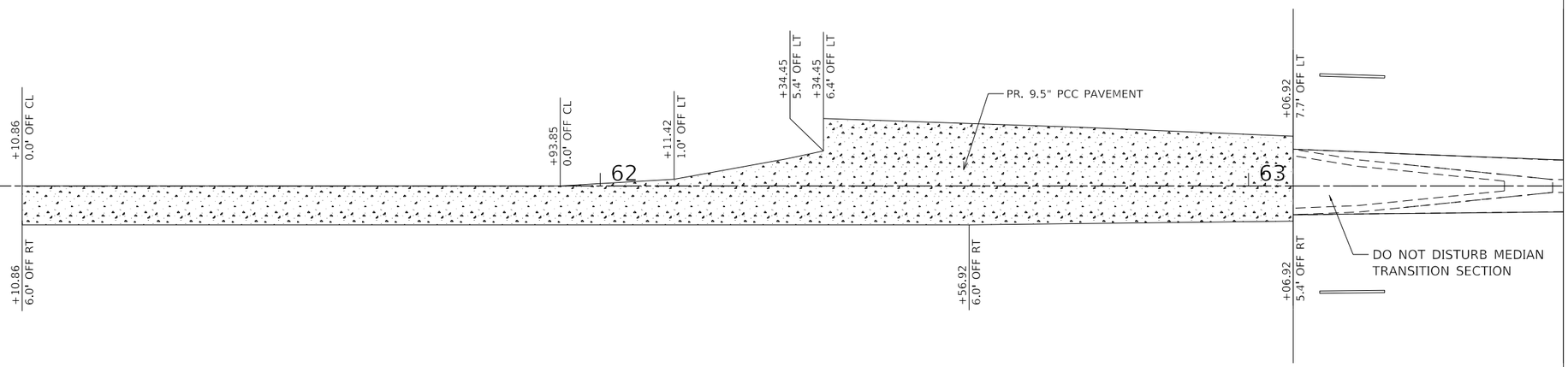

PROPOSED TYPICAL - CONCRETE MEDIAN, CURB, AND PAVEMENT REMOVAL



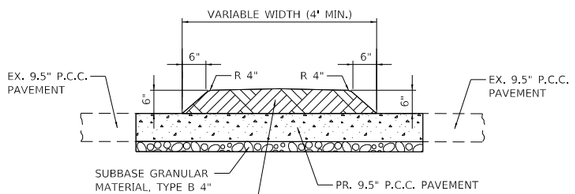

**PRIOR TO STAGED CONSTRUCTION – CONCRETE REMOVAL**



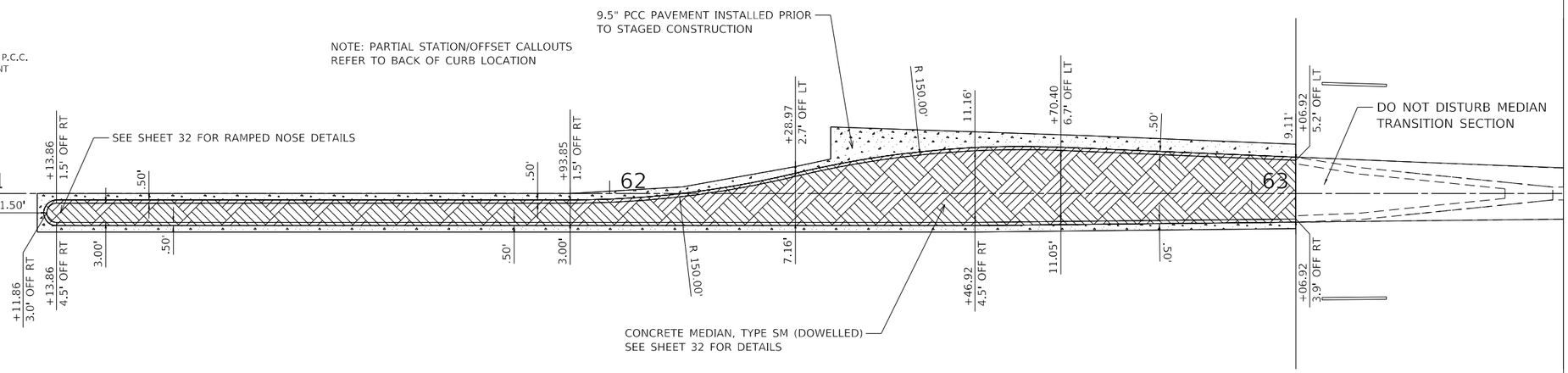

PROPOSED TYPICAL - PAVEMENT FOR STAGED TRAFFIC




**PRIOR TO STAGED CONSTRUCTION – PCC PAVEMENT FOR STAGED TRAFFIC**




PROPOSED TYPICAL - CONCRETE MEDIAN, TYPE SM (DOWELLED)




**POST STAGED CONSTRUCTION – CONCRETE MEDIAN (DOWELLED)**

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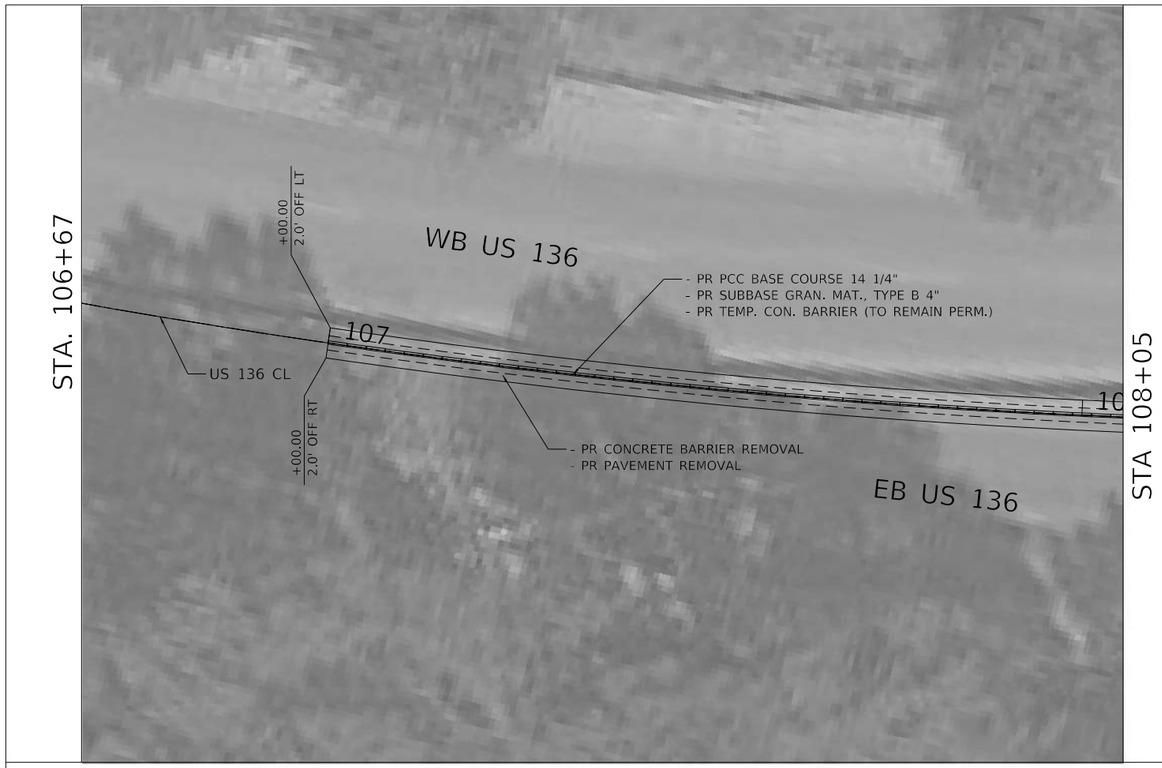
| | | |
|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - |

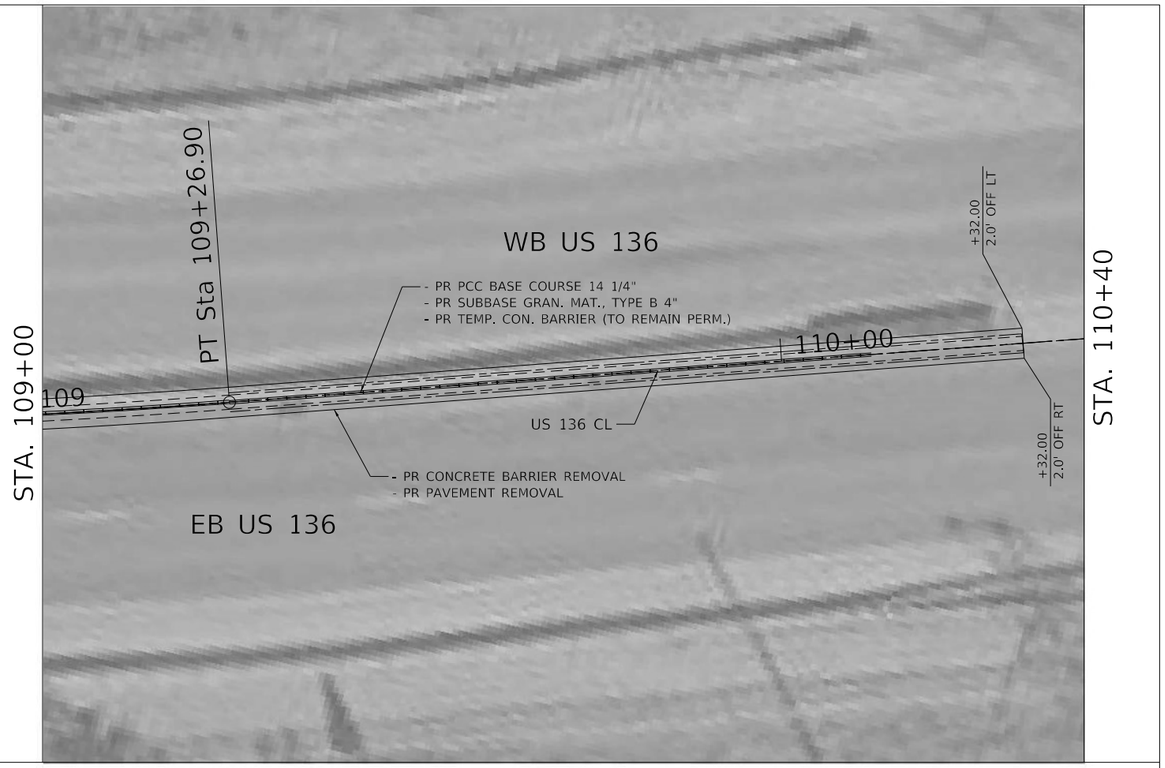
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

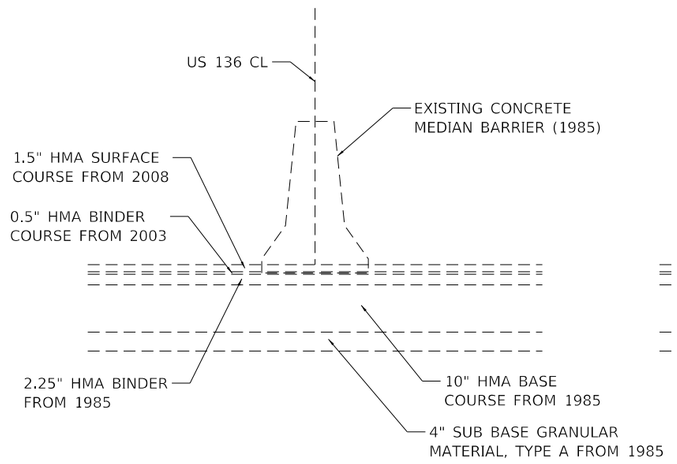
**CONCRETE MEDIAN REMOVAL AND REPLACEMENT DETAIL**

SCALE: N/A | SHEET 1 OF 5 SHEETS | STA. 61+10.86 | TO STA. 63+06.92

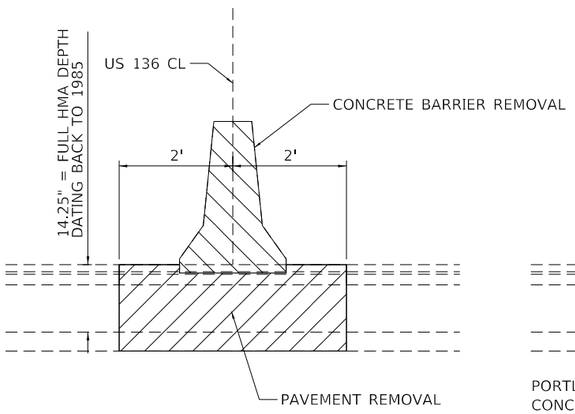
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 30 |
| | | CONTRACT NO. 72H57 | | |
| | | ILLINOIS | FED. AID PROJECT | |



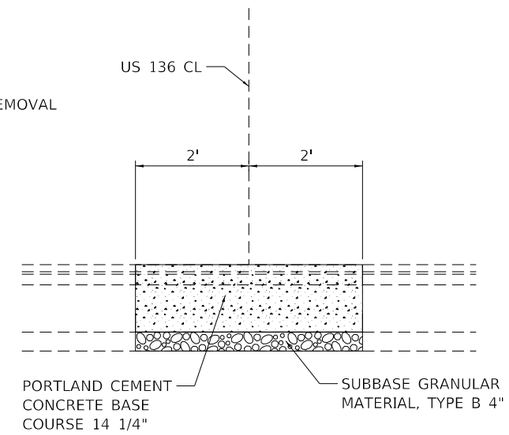



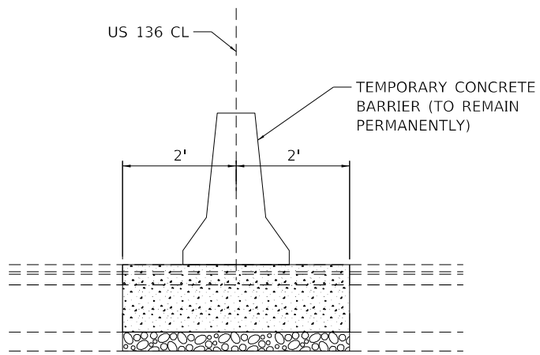

**EXISTING TYPICAL SECTION –**
**CONCRETE MEDIAN**




**PRIOR TO STAGED CONSTRUCTION –**
**CONCRETE BARRIER & PAVEMENT REMOVAL**




**PRIOR TO STAGED CONSTRUCTION –**
**PCC PAVEMENT FOR STAGED TRAFFIC**




**POST STAGED CONSTRUCTION –**
**CONCRETE BARRIER**

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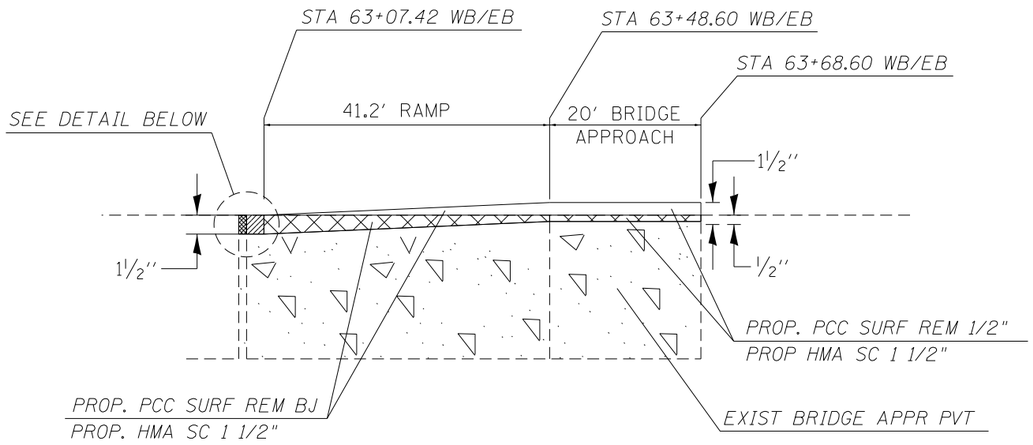
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**CONCRETE BARRIER WALL**
**REMOVAL AND REPLACEMENT DETAIL**

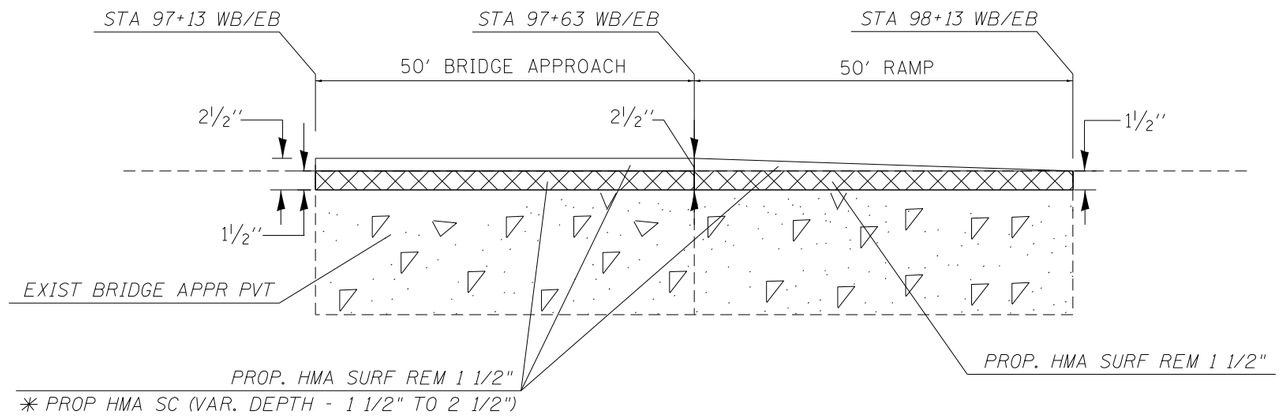
SCALE: N/A | SHEET 2 OF 5 SHEETS | STA. 107+59.92 TO STA. 110+32.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 31 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

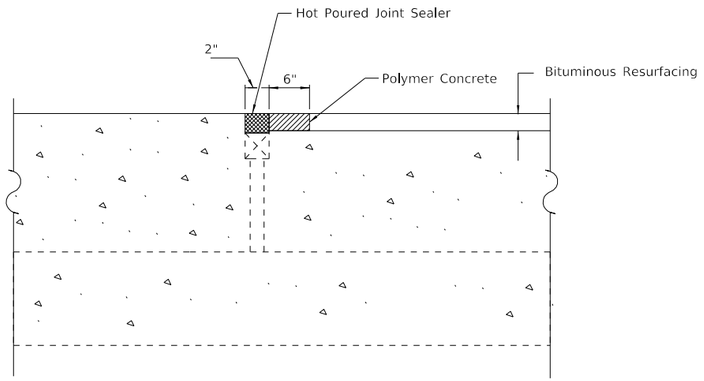



US 136 (IOWA SIDE) BUTT JOINT DETAIL

✳ NOTE: THE MAX LIFT OF THE SURFACE COURSE SHALL BE 1 1/2". THICKNESSES GREATER THAN 1 1/2" SHALL BE INSTALLED IN 2 LIFTS.




US 136 (ILLINOIS SIDE) BUTT JOINT DETAIL




## PREFORMED JOINT SEAL TREATMENT
## (AT PREFORMED JOINT)

## NOTES

1. THE SURFACE PREPARATION OF THE BEAM IS DETAILED IN THE RECURRING SPECIAL FOR POLYMER CONCRETE, AND IS COVERED IN THE COST OF POLYMER CONCRETE.
2. CONTRACTOR TO SURFACE OVER EXISTING PREFORMED JOINT SEALER. UPON COMPLETION OF RESURFACING, CONTRACTOR IS TO SAW CUT AT THE EDGE OF THE PJS AND REMOVE THE HMA MATERIAL, COST TO BE INCLUDED WITH HMA RESURFACING ITEMS.
3. CONTRACTOR TO SURFACE OVER EXISTING PREFORMED JOINT SEALER. UPON COMPLETION OF RESURFACING, CONTRACTOR IS TO SAW CUT AT THE EDGE OF THE PJS AND REMOVE THE HMA MATERIAL, COST TO BE INCLUDED WITH HMA RESURFACING ITEMS.



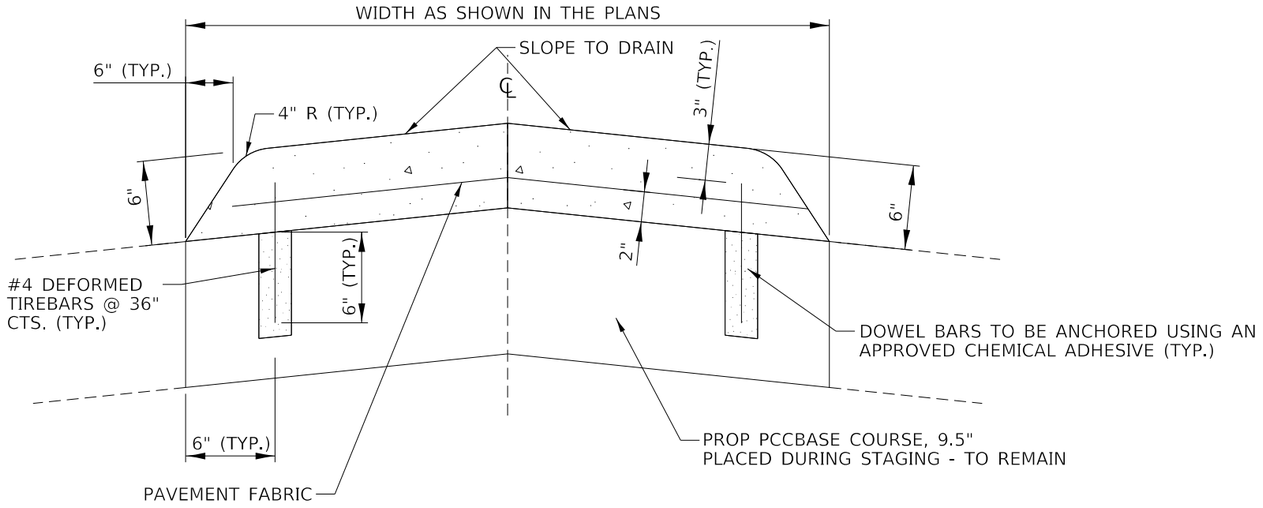
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

**BUTT JOINT DETAILS**

SCALE: N/A | SHEET 3 OF 5 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 32 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |



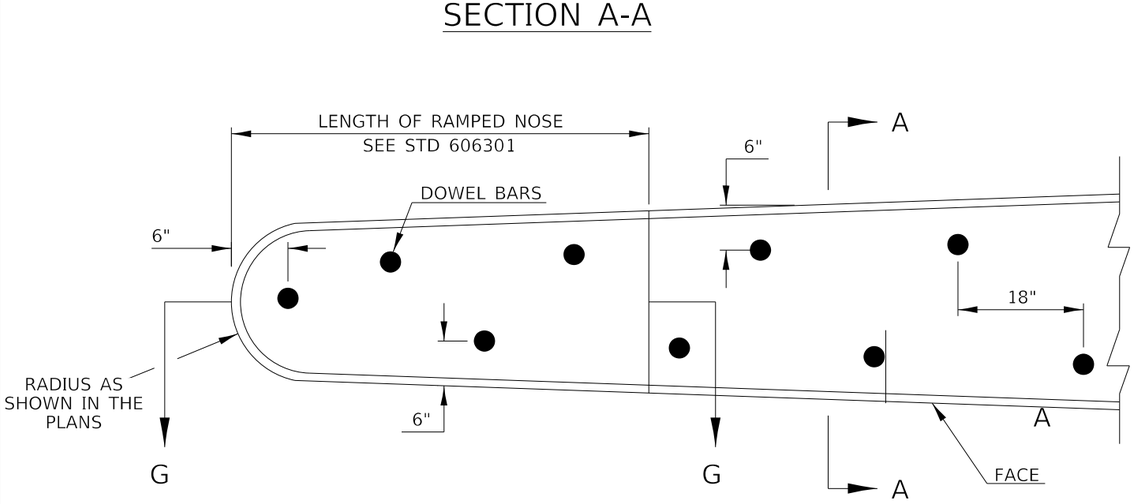

## SECTION A-A

## GENERAL NOTES

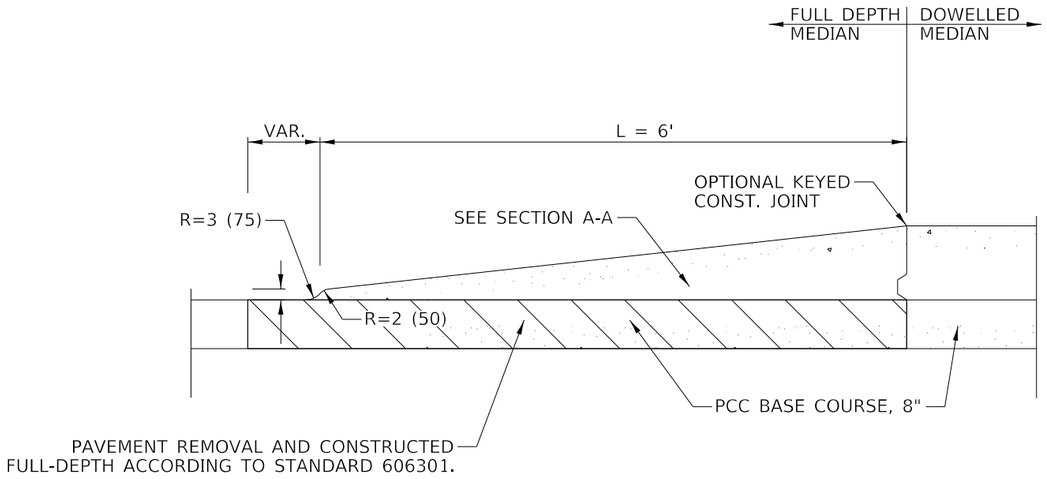
1. THE GENERAL NOTES FOR STANDARD 606301 SHALL APPLY.

2. DOWEL BARS @ 36" CTS. OR AS DIRECTED BY THE ENGINEER.

3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ FOOT FOR CONCRETE MEDIAN, OF THE SIZE AND TYPE SHOWN ON THE PLANS, INCLUDING THE COST OF FURNISHING AND INSTALLING THE DOWEL BARS, CHEMICAL ADHESIVE, AND PAVEMENT FABRIC. THE COST OF REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT FOR THE RAMP NOSE WILL BE INCLUDED IN THE COST FOR THE CONCRETE MEDIAN, TYPE SM (DOWELLED). NO ADDITIONAL COMPENSATION WILL BE ALLOWED.




## PLAN OF MEDIAN




## SECTION G-G

MODEL: Default
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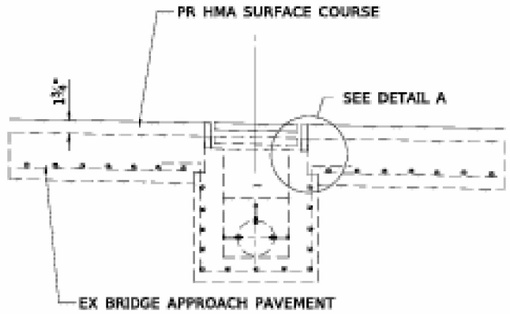
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

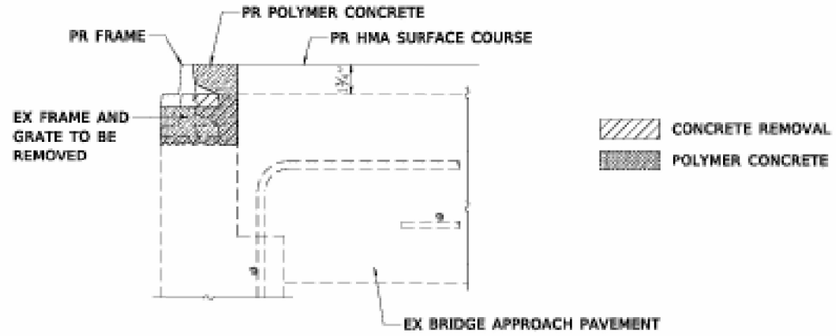
**CONCRETE MEDIAN,**
**TYPE SM (DOWELLED) DETAIL**

SCALE: N/A | SHEET 4 OF 5 SHEETS | STA. 61+10.86 TO STA. 63+06.92

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 33 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |



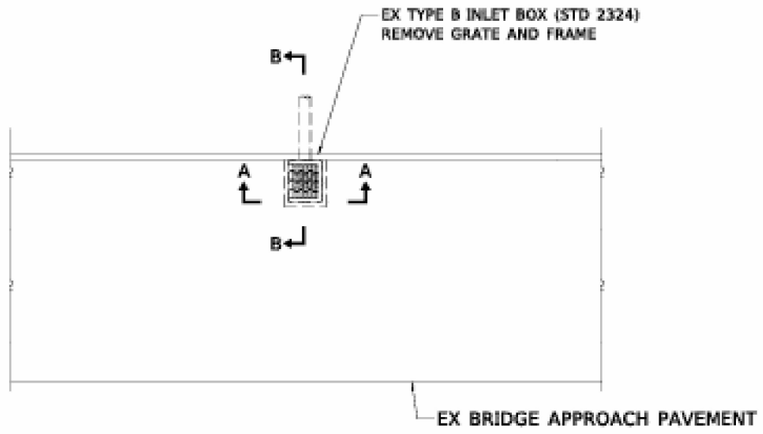

**SEC A–A**



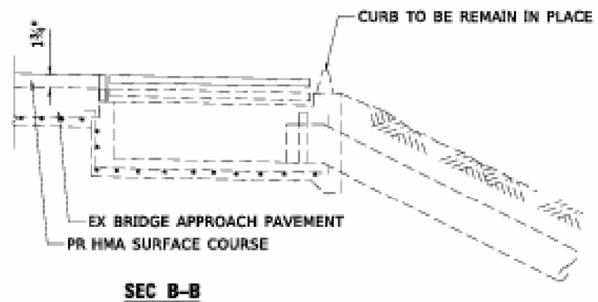

**DETAIL A**

## 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**



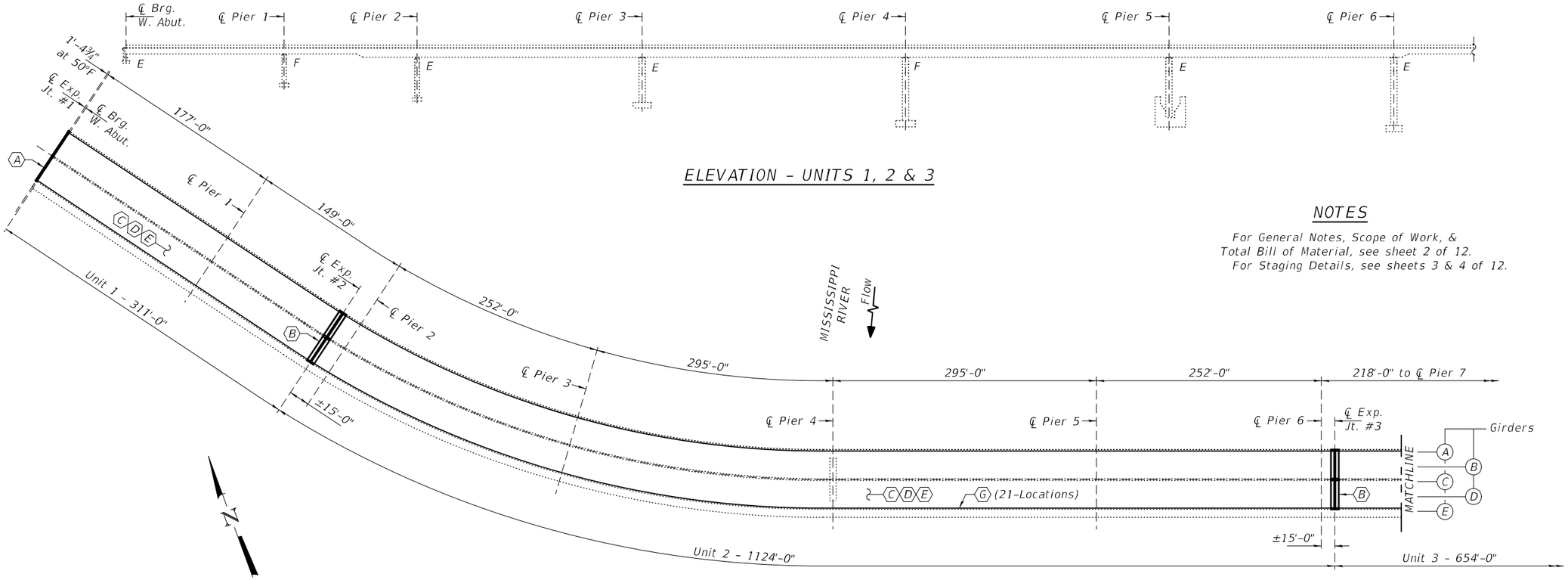
| | | | |
|---|---|---|---|
| USER NAME = Robert.Miles | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/17/2023 | DATE - | REVISED - | |

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

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

SCALE: N/A | SHEET 5 OF 5 SHEETS | STA. N/A | TO STA. N/A

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 34 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |

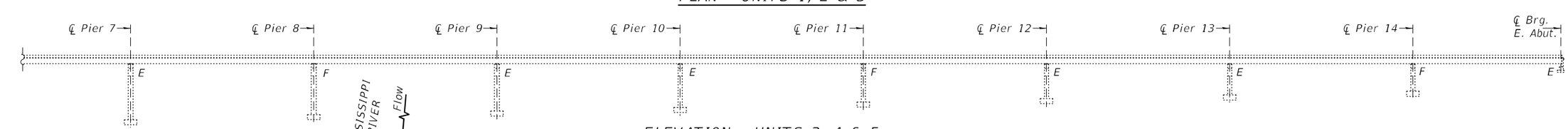



ELEVATION – UNITS 1, 2 & 3

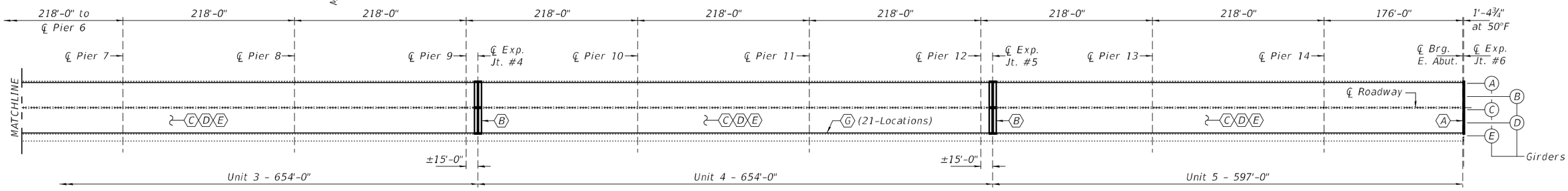
PLAN – UNITS 1, 2 & 3

## NOTES

For General Notes, Scope of Work, & Total Bill of Material, see sheet 2 of 12.
For Staging Details, see sheets 3 & 4 of 12.




ELEVATION – UNITS 3, 4 & 5




PLAN – UNITS 3, 4 & 5

JAYME F. SCHIFF 081-005540 LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS

Expires: November 30, 2024

| | | | | | |
|---|---|---|---|---|---|
| DESIGNED - Jeffrey S. Burke | EXAMINED | | DATE - AUGUST 11, 2023 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **GENERAL PLAN & ELEVATION U.S. ROUTE 136 OVER THE MISSISSIPPI RIVER SN 034-0062** |
| CHECKED - Adrian T. Halloway | PASSED | ENGINEER OF STRUCTURAL SERVICES | REVISED - | | SHEET NO. 1 OF 12 SHEETS |
| DRAWN - STEFFEN | | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | |
| CHECKED - JSB ATH | | | | | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 35 |
| | | CONTRACT NO. 72H57 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## SCOPE OF WORK

| Repair | NBIS # | Member | Location | Deficiency | Proposed Repair |
|---|---|---|---|---|---|
| A | – | Exp. Joint 1 | West Abut. | – | Remove & Replace Existing PJS Exp. Jt. |
| | – | Exp. Joint 6 | East Abut. | – | |
| B | 55 | Exp. Joint 2 | Pier 2 | Deteriorated & missing Mod. Jt. Spacer Blocks | Remove & Replace existing 9" (Jts. 2, 4, 5) or 12" (Jt. 3) Modular Expanison Joint |
| | 56 | Exp. Joint 3 | Pier 6 | | |
| | 57 | Exp. Joint 4 | Pier 9 | | |
| | 58 | Exp. Joint 5 | Pier 12 | | |
| C | 3 | Overlay | Thoughout | – | Bridge Deck Scarification |
| D | | | | – | Install Microsilica Conc. Overlay |
| E | | | | – | Diamond Grinding, ¼" |
| F | 4 | E.B. Sidewalk Rail | See Table 1 | See Table 1 | See Table 1 |
| G | 24 | E.B. Parapet Rail | See Table 2 | See Table 2 | See Table 2 |
| ****H | 54 | Girder A | West Abut. | Ground Wire | Re-connect Ground Wire |
| J | 40 | Bearing | Gir. E at P4 | 2-Loose Nuts | Tighten 2 Anchor Nuts |
| K | 47 | Cross Frame | – | 8-Missing Bolts | Install 8 New Bolts |
| L | 60 | Girder A | Gir. A at Jt. 3 | Missing Bolt | Install New Bolt |
| ****M | 33 | Conduit Box | 50' E. of P13 btwn. C & D | Missing cover, exposed wires, & loose conduit | Install new cover, fix exposed wires, & reattach or tighten conduit |
| N | 52 | Bearing C | Pier 14 | 1-Loose Nut | Tighten SW Anchor Nut |
| P | 53 | Bearing D | Pier 14 | 1-Loose Nut | Tighten NW Anchor Nut |
| ****R | 34 | Conduit | E. Abut. btwn. Gir. C & D | Broken Conduit | Replace Conduit |

## TABLE 1 - SIDEWALK RAILING REPAIRS

| Span | Location | Deficiency | Proposed Repair |
|---|---|---|---|
| 1 | 2nd Post E. of W. Abut. | Cracked Welds at Base | Field Weld |
| 9 | Midspan, South Side | Cracked Welds Lower Horiz. Member | Field Weld |

## TABLE 2 - PARAPET RAILING REPAIRS

| Span | Location | Deficiency | Proposed Repair |
|---|---|---|---|
| 1 | 8th Post East of W. Abut. | Missing Anchor Bolt Nut | Install New Nut |
| 3 | 5th Post East of Joint 2 | Cracked Weld on the Lower Horizontal Member | Field Weld |
| 3 | 27th Post East of Joint 2 | | |
| 3 | 28th Post East of Joint 2 | | |
| 3 | 29th Post East of Joint 2 | | |
| 5 | 42nd Post West of Joint 3 | | |
| 8 | 42nd Post West of Joint 4 | Bottom w/ 2" gouge & Cracked Weld | – |
| 8 | 41st Post West of Joint 4 | Cracked Post at Bottom w/ 2" gouge | – |
| 8 | 30th Post West of Joint 4 | Cracked Welds - Upper Horiz. Member | Field Weld |
| 8 | 28th Post West of Joint 4 | Cracked Weld on the Lower Horizontal Member | Field Weld |
| 9 | 7th Post West of Joint 4 | | |
| 9 | 6th Post West of Joint 4 | | |
| 9 | 4th Post West of Joint 4 | | |
| 9 | 1st Post West of Joint 4 | | |
| 11 | 52nd Post West of Joint 5 | | |
| 11 | 47th Post West of Joint 5 | | |
| 11 | 40th Post West of Joint 5 | | |
| 12 | 3rd Post West of Joint 5 | 1-Loose Nut | Tighten Nut |
| 13 | 3rd Post East of Joint 5 | 1-Missing Bolt | Install New Bolt |
| 13 | 15th Post East of Joint 5 | Cracked Weld on the Lower Horizontal Member | Field Weld |
| 14 | 24th Post East of Joint 5 | | |

## GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

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.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

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.

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts ¾"Ø, holes $^{13}/_{16}$"Ø, unless otherwise noted.

Current Ratings on File for Existing Structure:
- Inventory: HS 20.6
- Operating: HS 34.6
- Live Load Restrictions: No

Inventory and Operating Ratings and Live Load Restrictions are provided for information only.

Inventory and Operating Ratings are based on HS loading and configuration.

Live Load Restrictions are based on Illinois legal loads and configurations.

The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

## TOTAL BILL OF MATERIAL

| | ITEM | UNIT | QUANTITY |
|---|---|---|---|
| | Concrete Removal | Cu. Yd. | 73.1 |
| | Concrete Superstructures | Cu. Yd. | 77.2 |
| | Bridge Deck Scarification, 1½" | Sq. Yd. | 5170 |
| | Bridge Deck Scarification, 1¾" | Sq. Yd. | 17620 |
| | Bridge Deck Microsilica Concrete Overlay, 2¾" | Sq. Yd. | 22790 |
| | Bridge Deck Grooving (Longitudinal) | Sq. Yd. | 17813 |
| | Diamond Grinding (Bridge Section) | Sq. Yd. | 23009 |
| | Modular Expansion Joint, 9" | Foot | 198 |
| | Modular Expansion Joint, 12" | Foot | 66 |
| | Preformed Joint Strip Seal | Foot | 132 |
| | Reinforcement Bars, Epoxy Coated | Pound | 24210 |
| | Bar Splicers | Each | 300 |
| | Mechanical Splicers | Each | 1976 |
| | Drainage Scuppers to be Adjusted | Each | 10 |
| | Miscellaneous Electrical Work | L. Sum | 1 |
| * | Protective Coat | Sq. Yd. | 24865 |
| ** | Deck Slab Repair (Full Depth, Type 1) | Sq. Ft. | 10 |
| *** | Structural Steel Repair | L. Sum | 1 |

* New Concrete Superstructure areas & Overlay only.

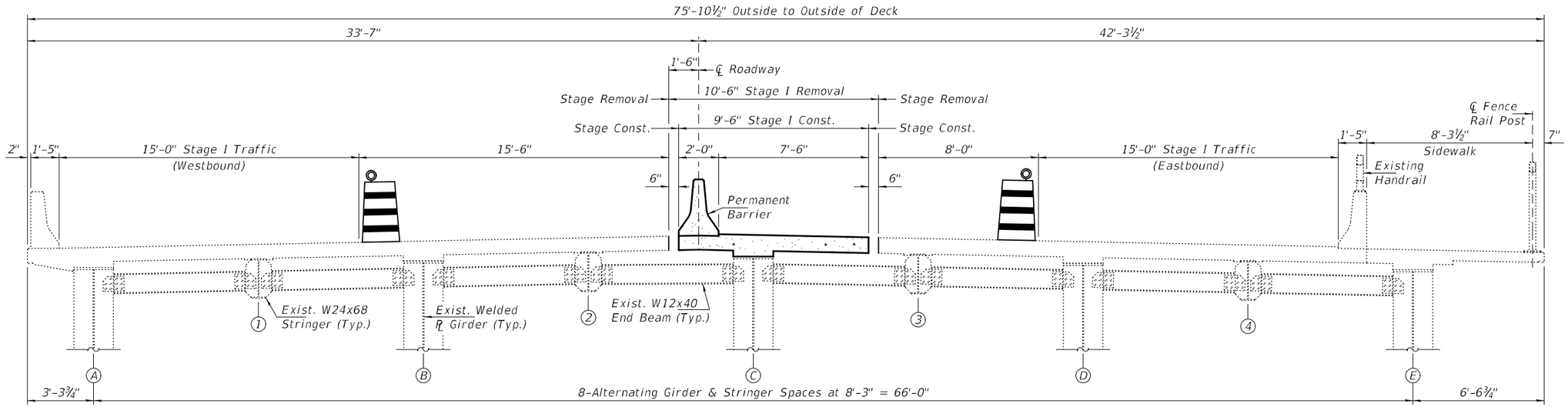
** Quantity is estimated. Contractor will be paid for actual amount provided at the unit price bid for the work.

*** Structural Steel Repair shall include all new bolts, tightening of nuts, and repairs listed in Tables 1 and 2.

**** Cost of all labor and materials necessary to complete indicated repairs (H, M & R) for Items #54, #33 & #34, and in accordance with application sections of the Standard Specifications for Road and Bridge Construction, is included in the Lump Sum cost for Miscellaneous Electrical Work.

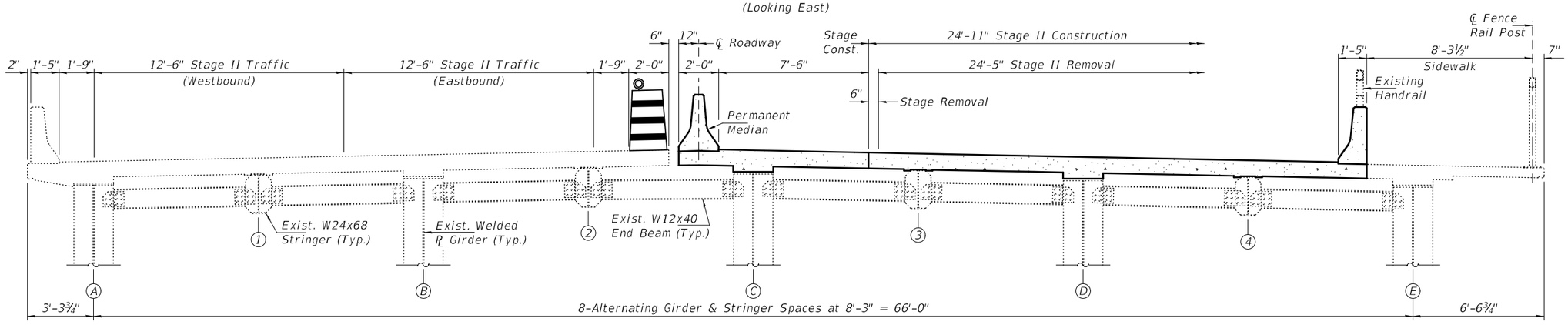
| | | | |
|---|---|---|---|
| DESIGNED - JSB | EXAMINED | DATE - AUGUST 11, 2023 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| CHECKED - ATH | ENGINEER OF STRUCTURAL SERVICES | REVISED - | GENERAL NOTES, SCOPE OF WORK, & BILL OF MATERIAL SN 034-0062 |
| DRAWN - STEFFEN | PASSED | REVISED - | SHEET NO. 2 OF 12 SHEETS |
| CHECKED - JSB ATH | ENGINEER OF BRIDGES AND STRUCTURES | | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 36 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |



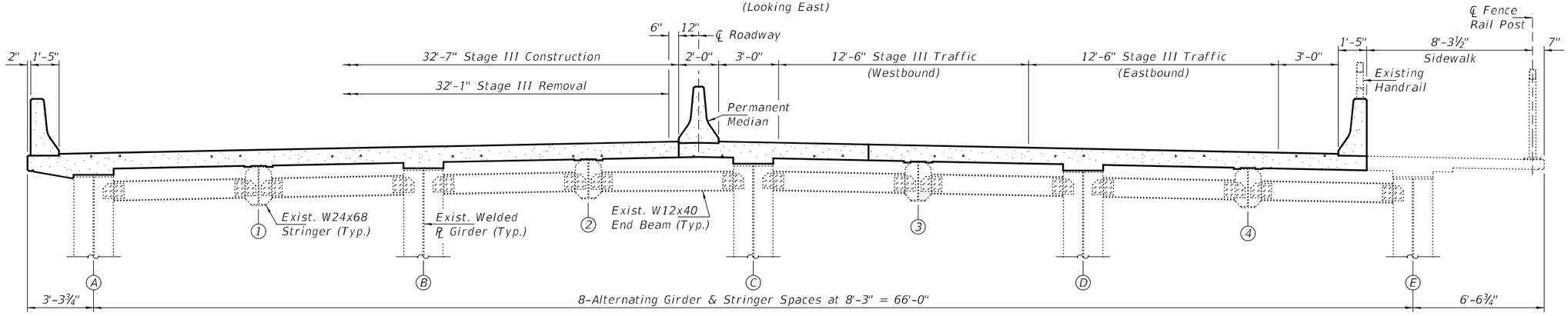

## STAGE I CROSS SECTION AT EXPANSION JOINTS

(Looking East)




## STAGE II CROSS SECTION AT EXPANSION JOINTS

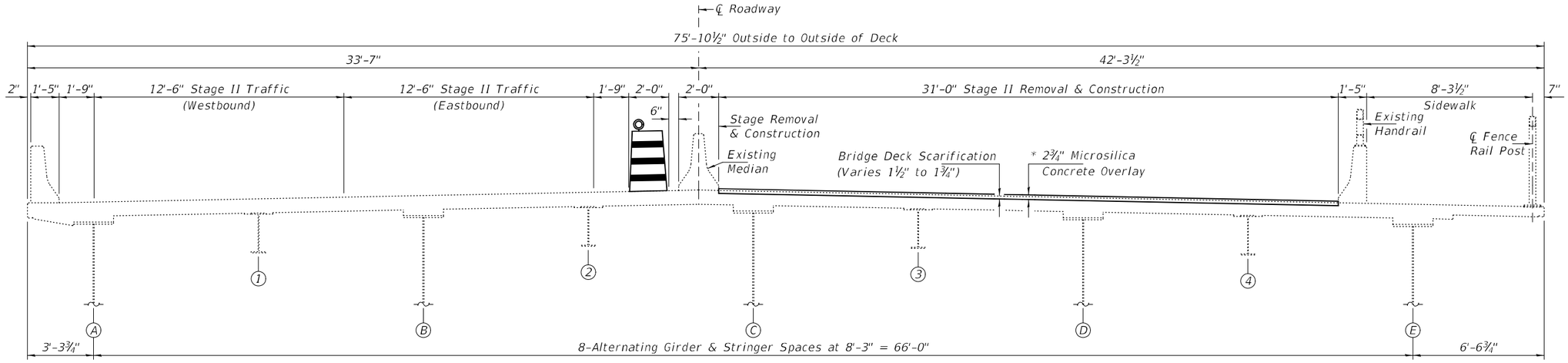
(Looking East)




## STAGE III CROSS SECTION AT EXPANSION JOINTS

(Looking East)

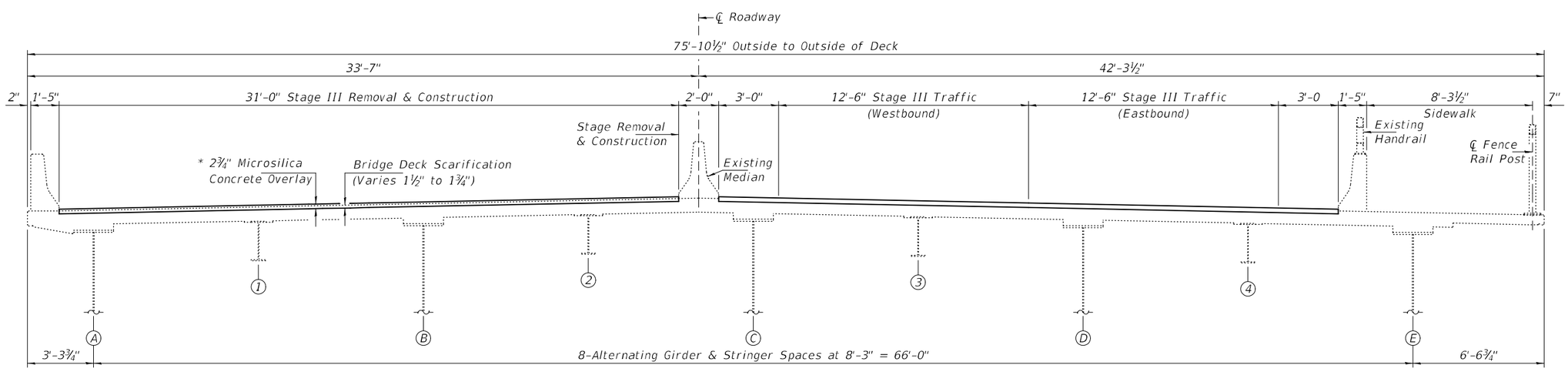
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESIGNED - JSB | EXAMINED | | DATE - AUGUST 11, 2023 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **CROSS SECTION & STAGING DETAILS AT EXPANSION JOINTS SN 034-0062** | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - ATH | PASSED | ENGINEER OF STRUCTURAL SERVICES | REVISED - | | | 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 37 |
| DRAWN - STEFFEN | | Joyce F. Schaff | REVISED - | | | | | CONTRACT NO. 72H57 | | |
| CHECKED - JSB ATH | | ENGINEER OF BRIDGES AND STRUCTURES | | | SHEET NO. 3 OF 12 SHEETS | | | ILLINOIS FED. AID PROJECT | | |




## STAGE II CROSS SECTION AT MID-SPAN

(Looking East)

* Prior to ¼" Diamond Grinding.

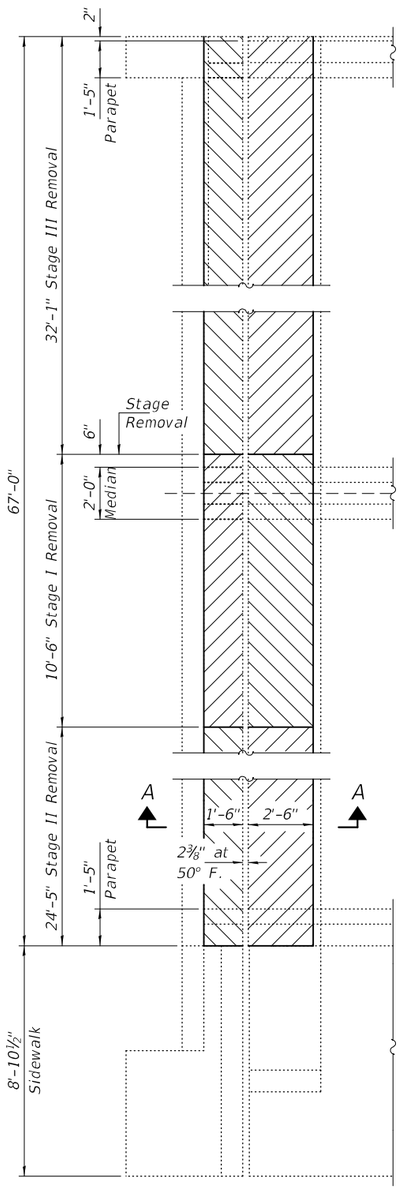



## STAGE III CROSS SECTION AT MID-SPAN

(Looking East)

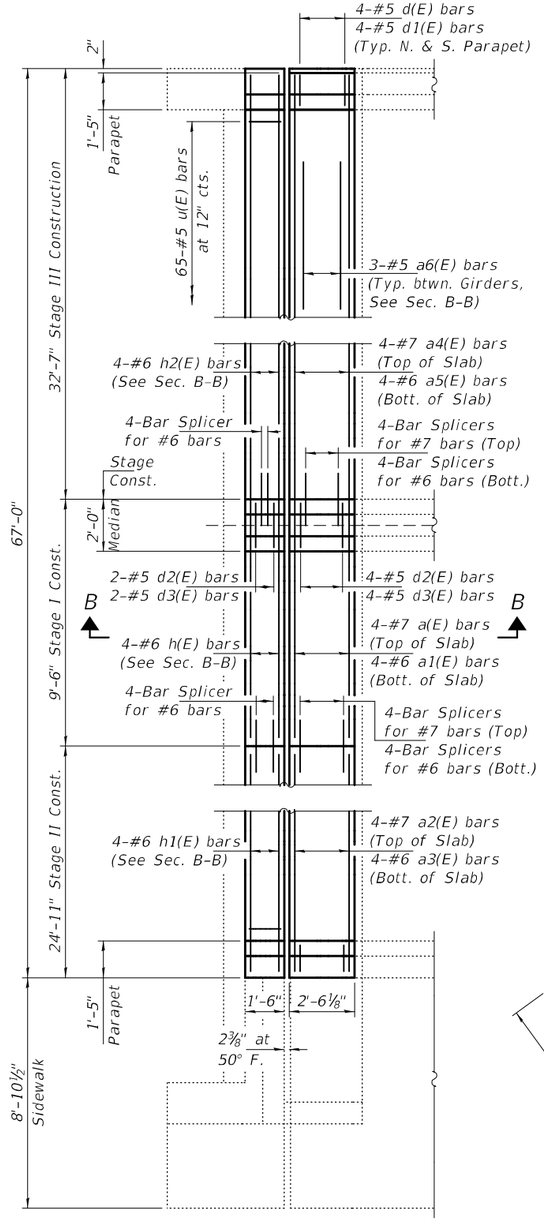
Notes:
For Scupper Adjustment Details & Overlay Treatment at Drains, see sheet 8 of 12.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DESIGNED - JSB | EXAMINED | | DATE - AUGUST 11, 2023 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **STAGING DETAILS FOR OVERLAY SN 034-0062** | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - ATH | | ENGINEER OF STRUCTURAL SERVICES | | | | 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 38 |
| DRAWN - STEFFEN | PASSED | | REVISED - | | SHEET NO. 4 OF 12 SHEETS | | | CONTRACT NO. 72H57 | | |
| CHECKED - JSB ATH | | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | | | ILLINOIS | FED. AID PROJECT | | |



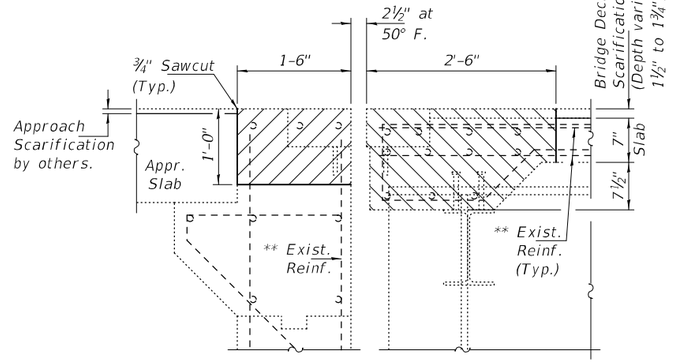

CONCRETE REMOVAL AT ABUTMENT

(West Abut. shown, East Abut. similar by 180° rotation)

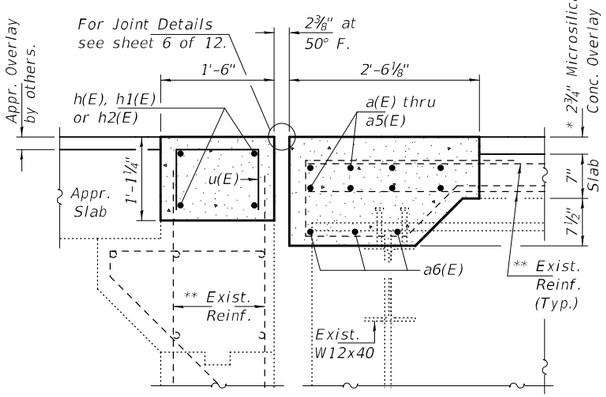



CONCRETE REPLACEMENT AT ABUTMENT

(West Abut. shown, East Abut. similar by 180° rotation)



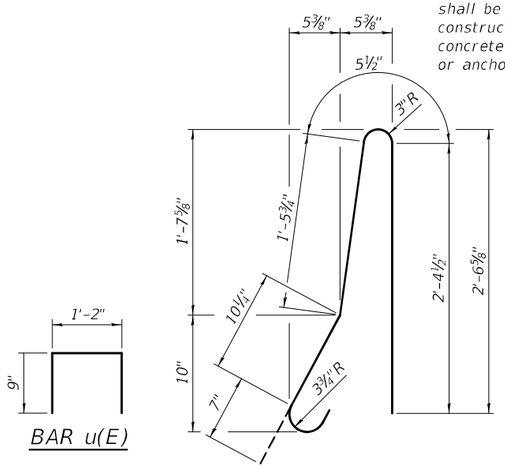

SECTION A-A




SECTION B-B

* Prior to ¼" Diamond Grinding.

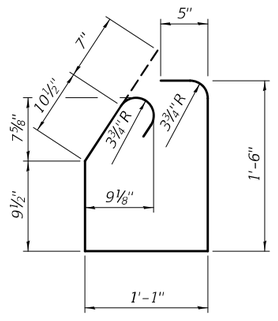
** Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.



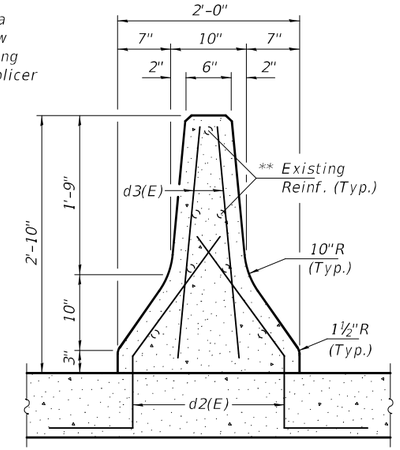

BAR u(E)



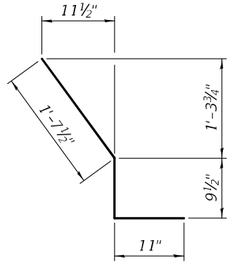

BAR d(E)



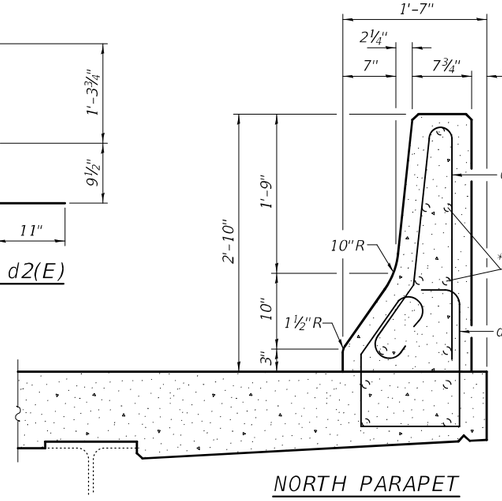

BAR d1(E)



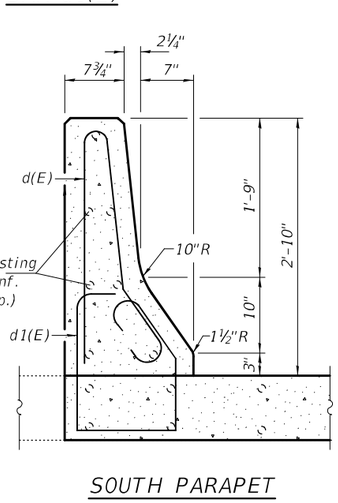

MEDIAN BARRIER DETAILS




BAR d2(E)




NORTH PARAPET



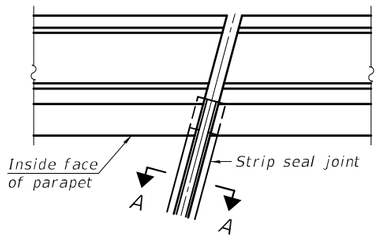

SOUTH PARAPET

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| a(E) | 8 | #7 | 9'-2" | |
| a1(E) | 8 | #6 | 9'-2" | |
| a2(E) | 8 | #7 | 24'-7" | |
| a3(E) | 8 | #6 | 24'-7" | |
| a4(E) | 8 | #7 | 32'-3" | |
| a5(E) | 8 | #6 | 32'-3" | |
| a6(E) | 24 | #5 | 7'-9" | |
| | | | | |
| h(E) | 8 | #6 | 9'-2" | |
| h1(E) | 8 | #6 | 24'-7" | |
| h2(E) | 8 | #6 | 32'-3" | |
| | | | | |
| d(E) | 16 | #5 | 5'-9" | |
| d1(E) | 16 | #5 | 5'-3" | |
| d2(E) | 12 | #5 | 3'-4" | |
| d3(E) | 12 | #5 | 2'-7" | |
| | | | | |
| u(E) | 130 | #5 | 1'-11" | |
| | | | | |
| Concrete Removal | | | Cu. Yd. | 19.5 |
| Concrete Superstructure | | | Cu. Yd. | 20.2 |
| Bar Splicers | | | Each | 48 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 3380 |

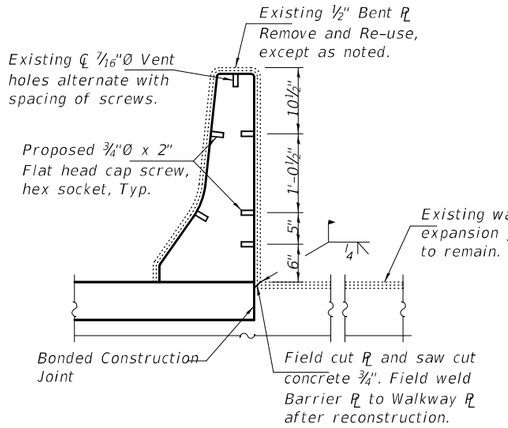
*** Limits of parapet removal may be varied in the field by the Engineer to match the locations of existing construction and open joints or to miss existing name plates. Any rail post anchorage within the removal area at the south parapet shall be cleaned and incorporated in the new construction. Cost included with concrete removal.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGNED - JSB | EXAMINED | ENGINEER OF STRUCTURAL SERVICES | DATE - AUGUST 11, 2023 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ABUTMENT JOINT REMOVAL & REPLACEMENT DETAILS SN 034-0062 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - ATH | PASSED | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | | 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 39 |
| DRAWN - STEFFEN | | | REVISED - | | SHEET NO. 5 OF 12 SHEETS | | | CONTRACT NO. 72H57 | | |
| CHECKED - JSB ATH | | | | | | | | ILLINOIS | FED. AID PROJECT | |



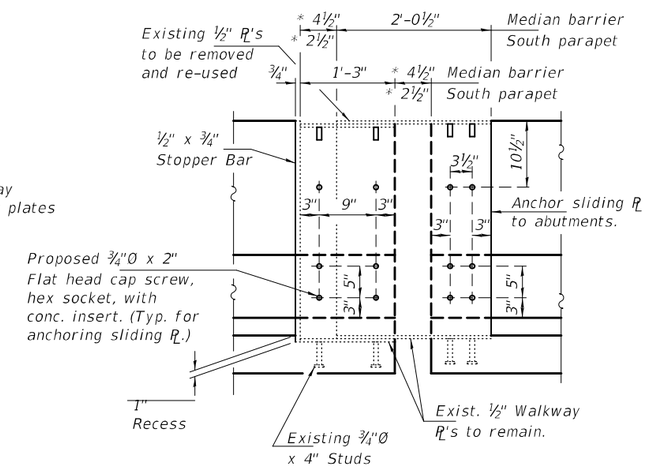

FOR SKEWS ≤ 30°

## PLAN AT PARAPET




## SOUTH BARRIER

* at 50°F




## ELEVATION OF SOUTH BARRIER AT EXPANSION JOINT

(Median Barrier Similar)

**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.

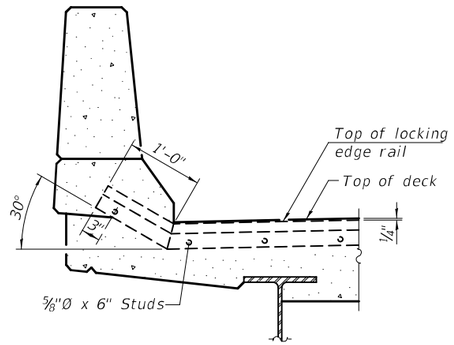
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, 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.

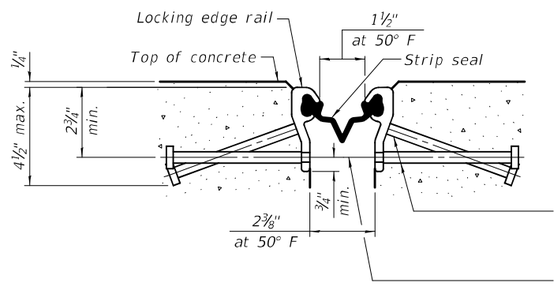
The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

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.

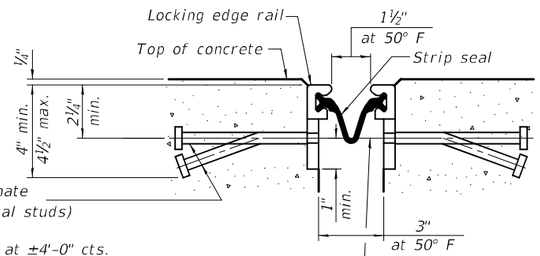



## ELEVATION AT PARAPET

(Skews ≤ 30°)




## SHOWING ROLLED RAIL JOINT



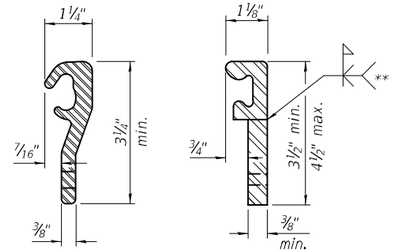

## SHOWING WELDED RAIL JOINT

* 5/8"Ø x 6" studs at 6" cts. (alternate angled/bent studs with horizontal studs)

3/8"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

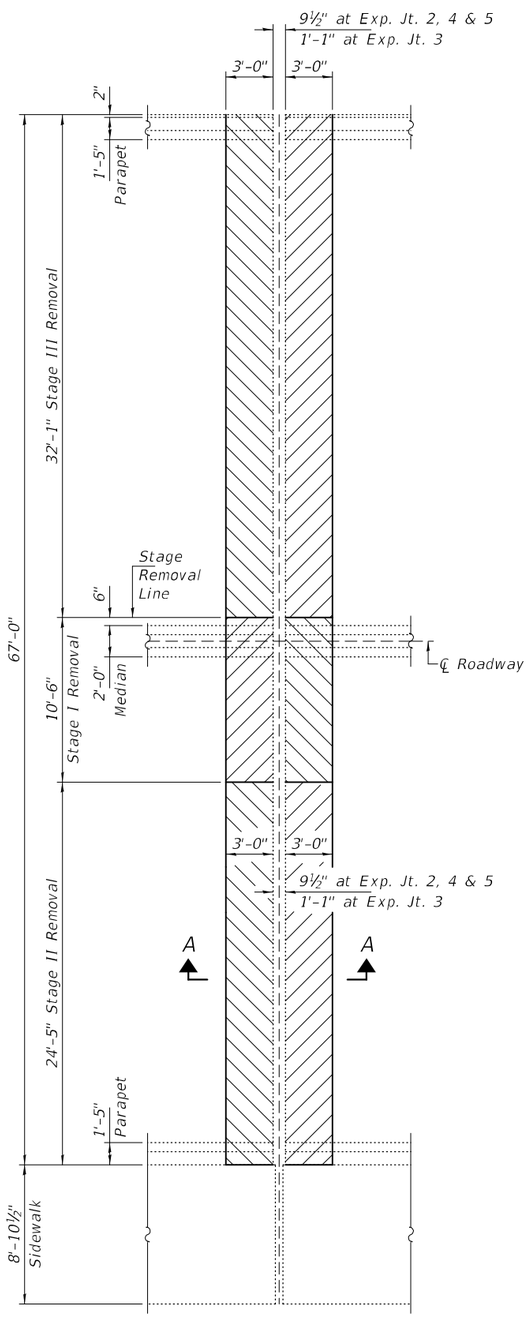
The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

## BILL OF MATERIAL

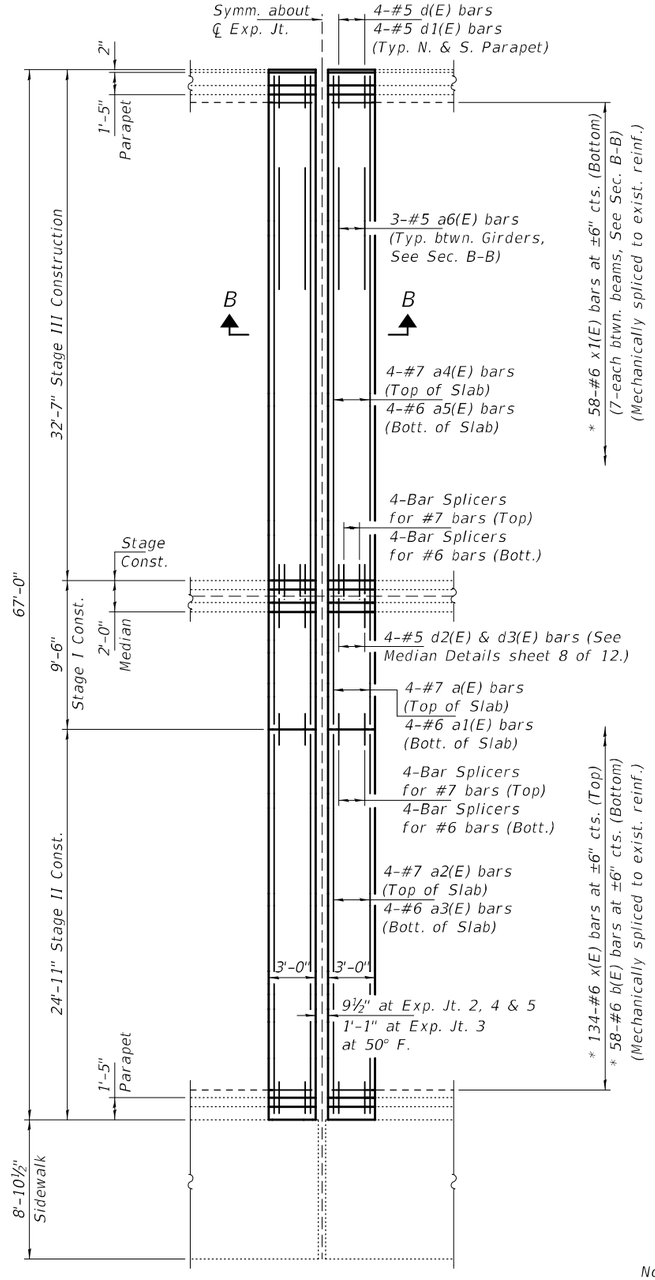
| Item | Unit | Total |
|---|---|---|
| Preformed Joint Strip Seal | Foot | 132 |
| | | |

2-25-20

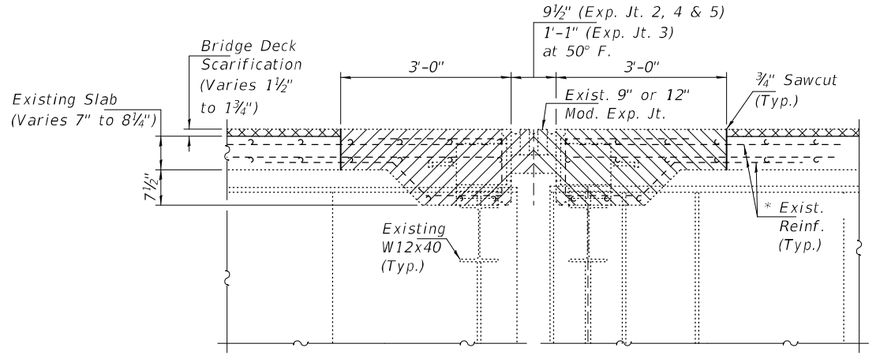
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DESIGNED - JSB | EXAMINED | ENGINEER OF STRUCTURAL SERVICES | DATE - AUGUST 11, 2023 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **PREFORMED JOINT STRIP SEAL DETAILS SN 034-0062** | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - ATH | PASSED | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | SHEET NO. 6 OF 12 SHEETS | 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 40 |
| DRAWN - STEFFEN | | | REVISED - | | | | | CONTRACT NO. 72H57 | | |
| CHECKED - JSB ATH | | | | | | | ILLINOIS | FED. AID PROJECT | | |




CONCRETE REMOVAL PLAN



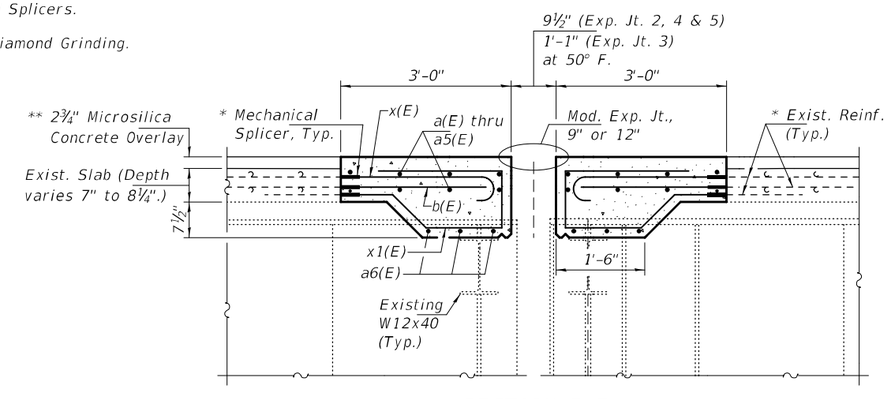

CONCRETE REPLACEMENT PLAN




SECTION A-A

* Cut existing reinforcement 6" from removal line to facilitate installation of Mechanical Splicers.

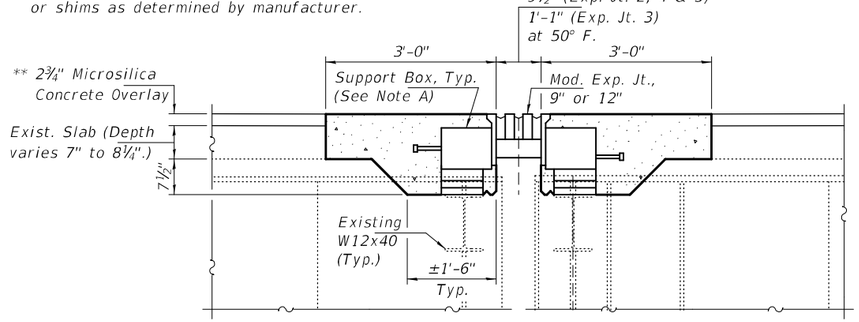
** Prior to ¼" Diamond Grinding.




SECTION B-B

Modular Expansion Joint not shown for clarity.

Note A:
Support Box spacing per manufacturer. Support Boxes to be rigidly attached to End Beam by adjustable brackets, stools, or shims as determined by manufacturer.




SECTION THRU MODULAR EXPANSION JOINT

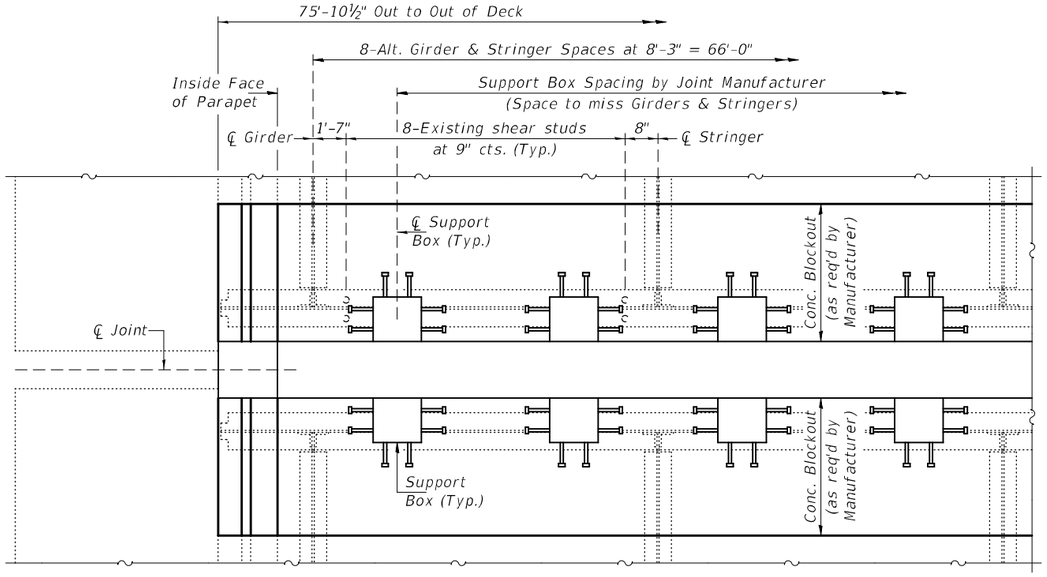
Reinforcement not shown for clarity.

Notes:
Hatched areas indicate Concrete Removal.
Cross Hatched areas indicate Overlay Removal.
For Bill of Material, Parapet, Median, & Reinforcement Bending Details, see sheet 8 of 12.

| | | | |
|---|---|---|---|
| DESIGNED - JSB | EXAMINED | DATE - AUGUST 11, 2023 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** |
| CHECKED - ATH | ENGINEER OF STRUCTURAL SERVICES | | |
| DRAWN - STEFFEN | PASSED | REVISED - | |
| CHECKED - JSB ATH | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | |

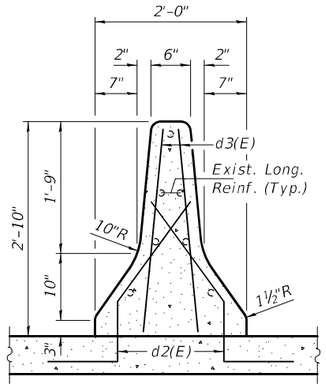
**MODULAR EXP. JT. REMOVAL & REPLACEMENT DETAILS**
**SN 034-0062**
SHEET NO. 7 OF 12 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 41 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS | FED. AID PROJECT | | |



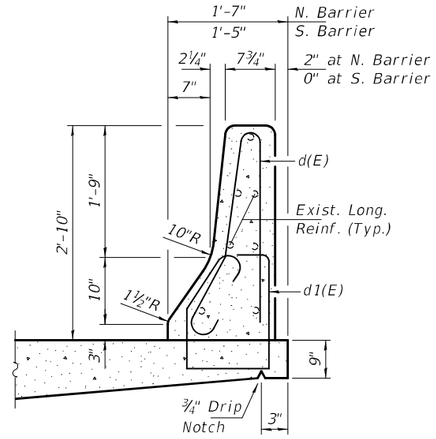

## PARTIAL PLAN AT JOINTS 2 THRU 5

*For Section thru Joint, see sheet 7 of 12.*



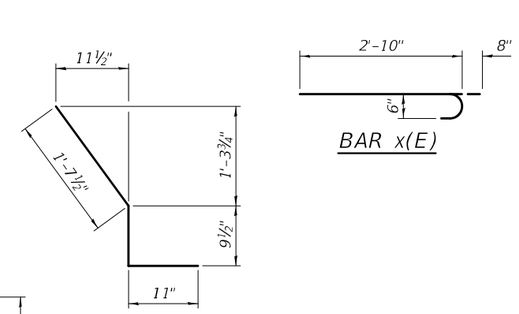

## SECTION THRU MEDIAN BARRIER

*Dimensions vary at superelevated sections.*




## SECTION THRU NORTH BARRIER

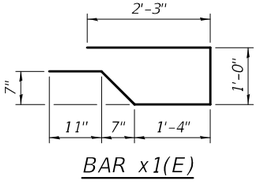
*(South Barrier similar)*
*Dims. vary at superelevated sections.*



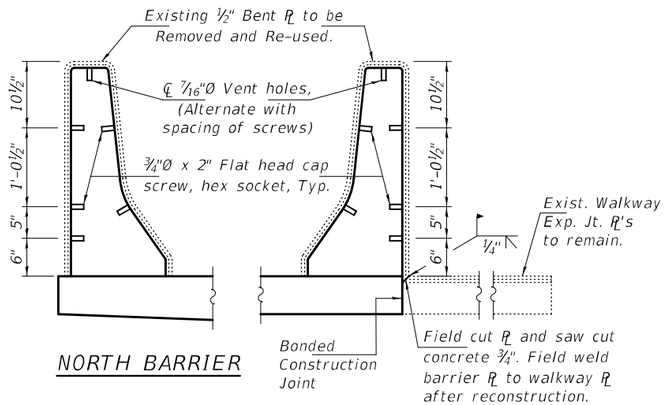

## BAR d2(E)




## BAR x(E)

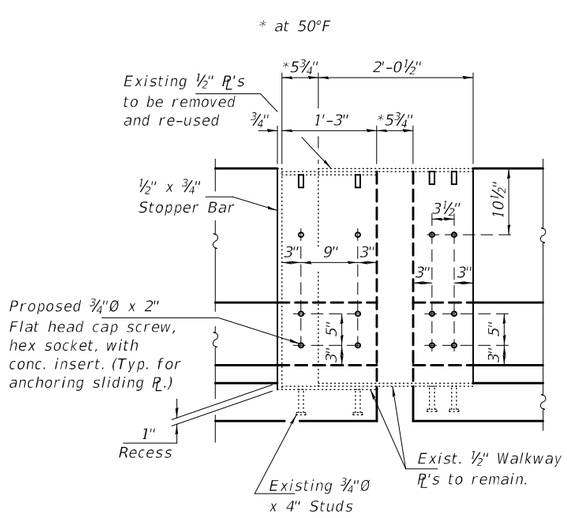



## BAR x1(E)



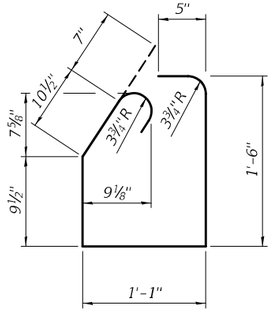

## NORTH BARRIER

## SOUTH BARRIER

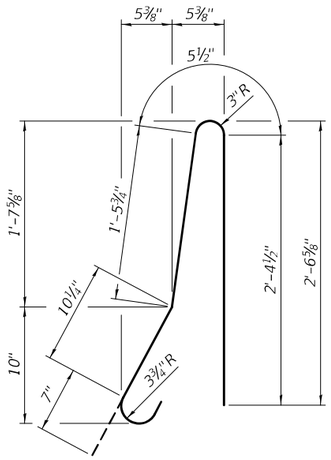



## ELEVATION OF SOUTH BARRIER AT EXPANSION JOINT

*(North & Median Barrier similar.)*




## BAR d1(E)




## BAR d(E)

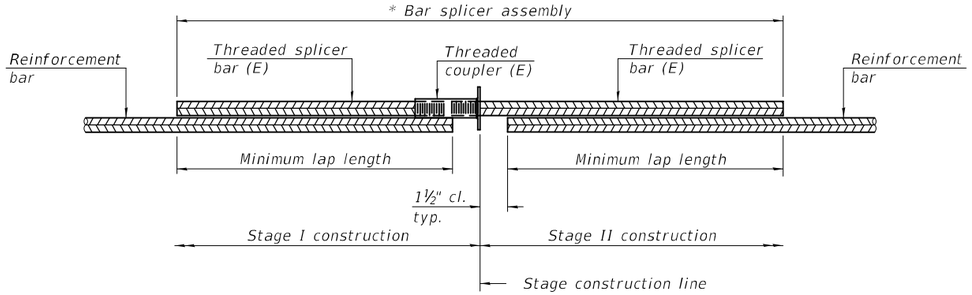
## BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| a(E) | 32 | #7 | 9'-2" | |
| a1(E) | 32 | #6 | 9'-2" | |
| a2(E) | 32 | #7 | 24'-7" | |
| a3(E) | 32 | #6 | 24'-7" | |
| a4(E) | 32 | #7 | 32'-3" | |
| a5(E) | 32 | #6 | 32'-3" | |
| a6(E) | 96 | #5 | 7'-9" | |
| | | | | |
| b(E) | 464 | #6 | 2'-10" | |
| | | | | |
| d(E) | 64 | #5 | 5'-9" | |
| d1(E) | 64 | #5 | 5'-3" | |
| d2(E) | 32 | #5 | 3'-4" | |
| d3(E) | 32 | #5 | 2'-7" | |
| | | | | |
| x(E) | 1072 | #6 | 3'-6" | |
| x1(E) | 440 | #6 | 6'-1" | |
| | | | | |
| Concrete Removal | | | Cu. Yd. | 53.6 |
| Concrete Superstructure | | | Cu. Yd. | 57.0 |
| Mechanical Splicers | | | Each | 1976 |
| Bar Splicers | | | Each | 128 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 20830 |

| | | | |
|---|---|---|---|
| DESIGNED - JSB | EXAMINED | DATE - AUGUST 11, 2023 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** |
| CHECKED - ATH | PASSED | REVISED - | |
| DRAWN - STEFFEN | ENGINEER OF STRUCTURAL SERVICES | REVISED - | |
| CHECKED - JSB ATH | ENGINEER OF BRIDGES AND STRUCTURES | | |

**MODULAR EXPANSION JOINT DETAILS**
**SN 034-0062**
SHEET NO. 8 OF 12 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 42 |
| | | CONTRACT NO. 72H57 | | |
| | ILLINOIS FED. AID PROJECT | | | |



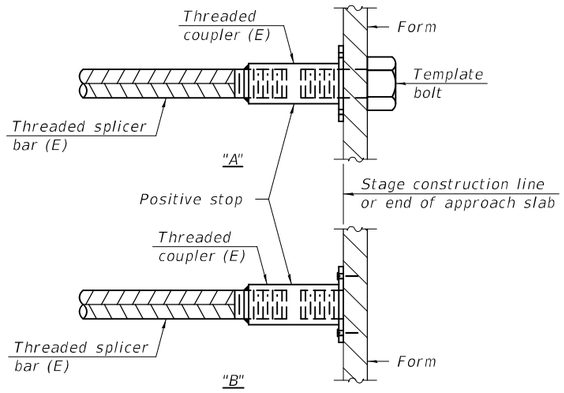

## STANDARD BAR SPLICER ASSEMBLY PLAN

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

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

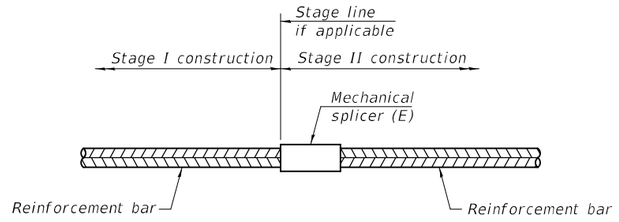
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Minimum lap length |
|---|---|---|---|
| Hatchblock | #6 | 16 | 5'-0" |
| Exp. Jt. 1 & 6 | #6 | 16 | 4'-5" |
| Exp. Jt. 1 & 6 | #7 | 16 | 5'-2" |
| Exp. Jt. 2 thru 5 | #6 | 64 | 4'-5" |
| Exp. Jt. 2 thru 5 | #7 | 64 | 5'-2" |




## 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.



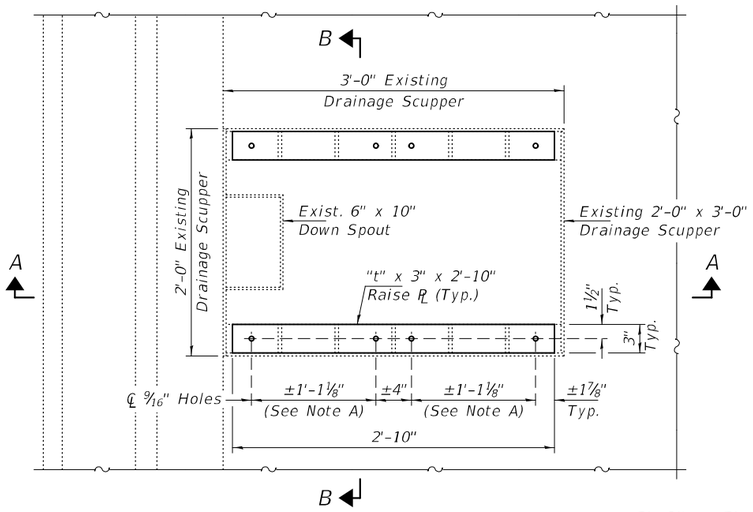

## STANDARD MECHANICAL SPLICER

| Location | Bar size | No. assemblies required |
|---|---|---|
| Exp. Jt. 2 thru 5 | #6 | 1976 |
| | | |
| | | |
| | | |
| | | |

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 2-1-2023

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGNED - JSB | EXAMINED | ENGINEER OF STRUCTURAL SERVICES | DATE - AUGUST 11, 2023 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS SN 034-0062 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - ATH | | | | | | 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 43 |
| DRAWN - STEFFEN | PASSED | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | | | | CONTRACT NO. 72H57 | | |
| CHECKED - JSB ATH | | | REVISED - | | SHEET NO. 9 OF 12 SHEETS | | | ILLINOIS | FED. AID PROJECT | |



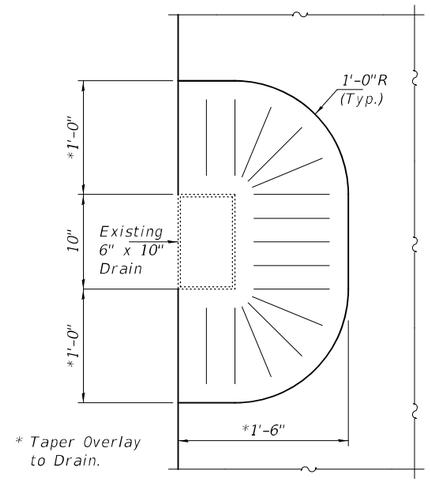

## SCUPPER ADJUSTMENT PLAN

Existing Grates not shown for clarity.
(See Drain Location Table for Dim. "t")

Note A:
Field drill holes in new Raise ℄'s using existing 1½" Raise ℄'s or existing drain grate as template.

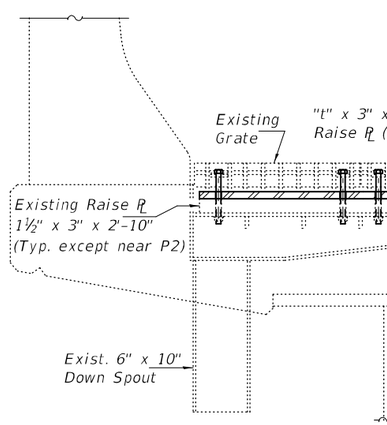
## 2'-0" x 3'-0" DRAIN LOCATIONS

| Station | Location | Qty. | Existing Raise ℄'s | Dim. "t" |
|---|---|---|---|---|
| 65+43.83 | Near P1 | 2 | 1½" | ¾" |
| 66+77.21 | Near P2 | 2 | 0" | 2¼" |
| 69+52.24 | Near P3 | 2 | 1½" | ¾" |
| 72+47.17 | Near P4 | 2 | 1½" | ¾" |
| 72+90.00 | E. of P4 | 1 | 1½" | ¾" |
| 73+38.00 | E. of P4 | 1 | 1½" | ¾" |

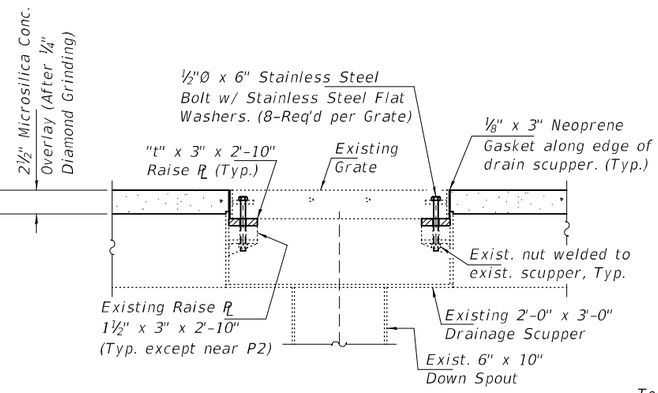



## OVERLAY TREATMENT AT 6" x 10" DRAINS

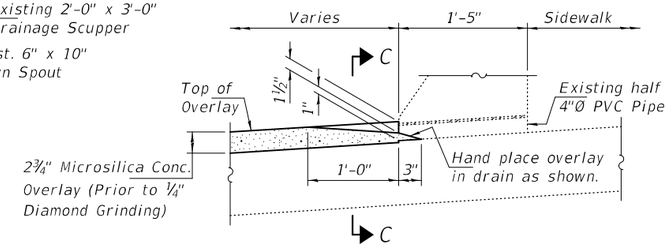
(76-Locations)

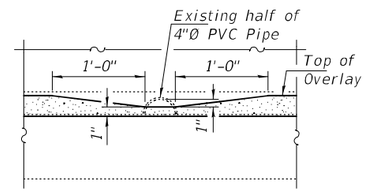



## SECTION A-A




## SECTION B-B




## SECTION C-C

## OVERLAY TREATMENT AT SOUTH BARRIER CURB DRAINS BETWEEN STA. 64+50 & 73+50

| | | | | | |
|---|---|---|---|---|---|
| DESIGNED - JSB | EXAMINED | ENGINEER OF STRUCTURAL SERVICES | DATE - AUGUST 11, 2023 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **REPAIR DETAILS SN 034-0062** |
| CHECKED - ATH | PASSED | Joyce F. Dobbs | REVISED - | | SHEET NO. 10 OF 12 SHEETS |
| DRAWN - STEFFEN | | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | |
| CHECKED - JSB ATH | | | | | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 44 |
| | | CONTRACT NO. 72H57 | | |
| | | ILLINOIS | FED. AID PROJECT | |

*312'-3 Out to Out of Bridge Floor Overlay (Unit 1)

* Measured along ℄ Median Barrier Rail

*1120'-0 Out to Out of Bridge Floor Overlay (Unit 2)

*652'-3 Out to Out of Bridge Floor Overlay (Unit 3)

*652'-4 Out to Out of Bridge Floor Overlay (Unit 4)

*598'-1 Out to Out of Bridge Floor Overlay (Unit 5)

75'-0 Overlay Taper

℄ Expansion Joint # 1

℄ Expansion Joint # 6

Match existing grade at edge of expansion joint anchor plate

U.A.C. Exist. Joint Matl.

Top of Overlay

Exist. Surface

Slab Removal Line

Exist. Expansion Device to be U.A.C.

Exist. Backwall - U.A.C.

Exist. Approach - U.A.C.

Note: See Des. Shs. 2 thru 8 for layouts showing locations of Joints and Units.

Match existing grade at edge of expansion joint angles.

℄ Expansion Joint

WEST ABUTMENT

EAST ABUTMENT.

## PART LONGITUDINAL SECTION

1½ # Removal

1½ # Overlay

¾ # Grade Raise

¾ # Overlay

1½ # Overlay

WEST ABUTMENT

1½ # × 1 3/16 × 0'-8 3/8 Spacer R

1½ # × 1 3/16 × 0'-5 5/8 Spacer R

1½ # × 1 3/16 × 0'-8 3/8 Spacer R

Exist. Grates

Gutter Line

New Bridge Floor Overlay Surface

¼ × 1 3/16 Spacer R's (Galvanized after welding to exist. grate.)

Slab Removal Line

3 × ¼ × 2'-10 Raise R's

8 Exist. drain grates to be raised, see details on this sheet.

Exist. Downspout to be U.A.C.

## BRIDGE FLOOR OVERLAY DETAIL AT 2'-0 × 3'-0 DRAINS

(10 Existing - 8 to be raised)

2'-10

1'-1 1/8

4

1'-1 1/8

1 7/8

1 7/8

9 # @ 1 6/16 Holes in new 3 × ½ × 2'-10 Raise R's (Field verify spacing)

New 3 × ½ × 2'-10 Raise R's (Galvanized)

Exist. Drain Box (U.A.C.)

Exist. 2'×3' Drain Box (U.A.C.)

## PLAN VIEW OF DRAIN BOX FOR 2'×3' DRAINS

(Shown with the existing drain grate removed)

Exist. Drain Grate to be re-used

Spacer R ½ × 1 3/16

Top of Overlay and top of raised grate

Exist. Surface

Slab Removal Line

Furnish new ½ # × 0'-4½ Stainless Steel Bolts & Stainless steel flat washers (8 required per drain)

New 3 × ½ × 2'-10 Raise R

SECTION C-C

Place ⅛" × 4½ Slab Removal Line

Place ⅛" × 3 Neoprene Gasket, or approved equal along both ends of drain box.

Place ⅛" × 3 Neoprene Gasket, or approved equal along both sides of drain box.

Top of Overlay and top of raised grate

Exist. Drain Grate to be re-used

New 3 × ½ × 2'-10 Raise R

Exist. Surface

Slab Removal Line

Exist. nut welded to exist. drain box to be U.A.C.

New ½ # × 0'-4½ Stainless Steel Bolt

Exist. Drain Box (U.A.C.)

SECTION D-D

## GRATE RAISING DETAILS

(Required at 8 locations. The drains at Sta. 66+77.21 near Pier # 2 are not to be raised.)

* Details shown are typical except in the 75'-0 Overlay Taper areas where they will vary in order to maintain the ¼" recess at barrier rail gutter line.

E.B. Roadway

1'-5 Barrier Rail

Sidewalk

Recess in Overlay at drain.

Top of Overlay

Exist. Surface

Slab Removal Line

Half of a 4" # × ¼ PVC Pipe.

Hand place overlay Concrete in drains as shown.

DETAILS OF CONCRETE OVERLAY @ SOUTH BARRIER CURB DRAINS BETWEEN STA. 64+50 & 73+50

℄ Drain

Half of 4" # × ¼ PVC Pipe

Top of Overlay

Exist. Surface

Slab Removal Line

SECTION A-A

Gutter Line

Round to top of drain

1'-0 Depression

New Bridge Floor Overlay Surface

Existing Surface

Slab Removal Line

Existing Drain to be U.A.C.

℄ Drain

SECTION B-B

## BRIDGE FLOOR OVERLAY DETAIL AT 6"×10" DRAINS

(Required at 76 Locations)

**FOR INFORMATION ONLY**

Revised 6-17-88: Overlay depth and grade raise changed. Raise plate depth, spacer plate depth and ½" # stainless steel bolt length in drain boxes increased ¼ inch.

Design for Bridge Floor Overlay to 3340'×64' CONTINUOUS WELDED PLATE GIRDER BRIDGE

MISSISSIPPI RIVER BRIDGE

Keokuk, Iowa - Hamilton, Illinois

Sta. 80+40.0, River Mile 363.9

March 1986

LEE COUNTY

IOWA DEPARTMENT OF TRANSPORTATION-HIGHWAY DIVISION

Design Sheet No.: 9 Of 12 File No.: 26723 Design No.: 186

DRAWING 44-131 85219 HIGHWAY WORK SHEET 09/1988

DESIGNED BY: LeRoy Oxnberg

DETAILED BY: Doug Wareing

TRACED BY: Doug Wareing

CHECKED BY: Ron Welch

LEE COUNTY

PROJECT NUMBER

| STATE | FHWA Region | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| IOWA | 7 | | 10 | 13 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGNED - JSB | EXAMINED | | DATE - AUGUST 11, 2023 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | FOR INFORMATION ONLY - EXISTING OVERLAY DETAILS SN 034-0062 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - ATH | PASSED | ENGINEER OF STRUCTURAL SERVICES | REVISED - | | | 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 45 |
| DRAWN - STEFFEN | | Joyce T. Duff | REVISED - | | SHEET NO. 11 OF 12 SHEETS | | | CONTRACT NO. 72H57 | | |
| CHECKED - JSB ATH | | ENGINEER OF BRIDGES AND STRUCTURES | | | | | | ILLINOIS FED. AID PROJECT | | |

*THIS SHEET INTENTIONALLY*
*LEFT BLANK*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DESIGNED - JSB | EXAMINED | | DATE - AUGUST 11, 2023 | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | – SN 034-0062 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| CHECKED - ATH | | ENGINEER OF STRUCTURAL SERVICES | | | | 315 | (22B)BDR,BJR1,BRR1 | HANCOCK | 46 | 46 |
| DRAWN - STEFFEN | PASSED | | REVISED - | | | | | CONTRACT NO. 72H57 | | |
| CHECKED - JSB ATH | | ENGINEER OF BRIDGES AND STRUCTURES | REVISED - | | SHEET NO. 12 OF 12 SHEETS | | | ILLINOIS FED. AID PROJECT | | |