

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|----------|--------------------|-----------|
| VAR. | * | VARIOUS | 20 | 1 |
| | | ILLINOIS | CONTRACT NO. 66P31 | |

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES
- 3 - 6. SUMMARY OF QUANTITIES
- 7. HTC LOCATIONS
- 8. HTC CABLE TENSION CHARTS AND LOGS
- 9. TERMINAL MARKER PLACEMENT AND REFLECTOR DETAIL
- 10. TIMBER CURB & BITUMINOUS CURB REPAIR & GUARD POST DETAIL & IMPACT ATTENUATOR PLAN
- 11-13. TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES
- 14. TRAFFIC BARRIER TERMINAL TYPE 8
- 15. TRAFFIC BARRIER TERMINAL TYPE 9
- 16. TRAFFIC BARRIER TERMINAL TYPE 12
- 17-20. PRE-MGS STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06 EFFECTIVE APRIL 1, 2006

PROPOSED HIGHWAY PLANS

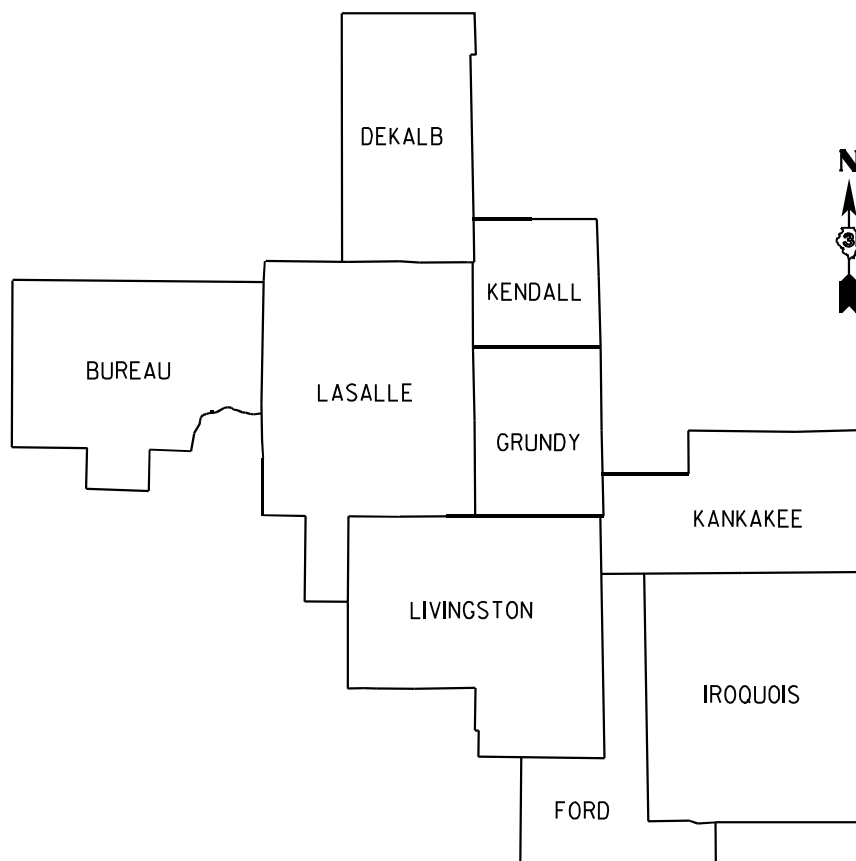
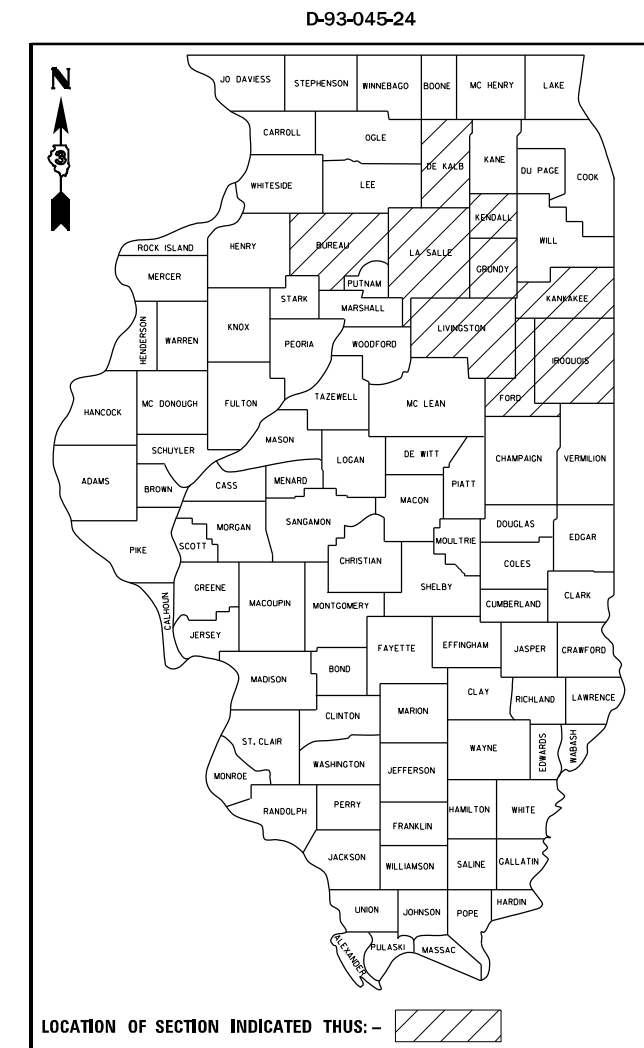
VARIOUS ROUTES D3 HWY DAMAGE REPAIR FY 25 PROJECT VARIOUS COUNTIES

C-93-082-24

REPAIRING MOTORIST CAUSED DAMAGE TO HIGHWAY FACILITIES

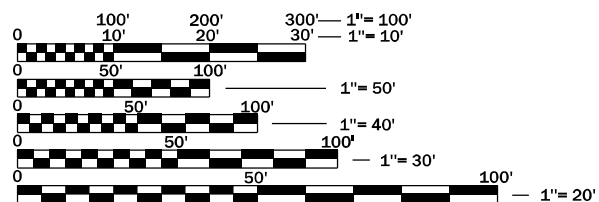
HIGHWAY STANDARDS

SEE PAGE 2 FOR LIST OF HIGHWAY STANDARDS



DISTRICT 3

LOCATION MAP
NOT TO SCALE



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

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

PROJECT ENGINEER: JOSEPH KANNEL, P.E.
UNIT CHIEF: DARCY MITCHELL
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66P31

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 12, 2024
Trisha Thompson REGIONAL ENGINEER

May 10, 2024 *[Signature]*
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

| | |
|-----------|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 630001-13 | STEEL PLATE BEAM GUARDRAIL |
| 630006-01 | NON-BLOCKED STEEL PLATE BEAM GUARDRAIL |
| 630101-11 | STRONG POST GUARDRAIL ATTACHED TO CULVERT |
| 630106-02 | LONG-SPAN GUARDRAIL OVER CULVERT |
| 630111-01 | WEAK POST GUARDRAIL ATTACHED TO CULVERT |
| 630116 | BACK SIDE PROTECTION OF GUARDRAIL |
| 630201-07 | PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL |
| 630301-09 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631006-08 | TRAFFIC BARRIER TERMINAL, TYPE 1B |
| 631011-10 | TRAFFIC BARRIER TERMINAL, TYPE 2 |
| 631026-06 | TRAFFIC BARRIER TERMINAL, TYPE 5 |
| 631031-18 | TRAFFIC BARRIER TERMINAL, TYPE 6 |
| 631032-10 | TRAFFIC BARRIER TERMINAL, TYPE 6A |
| 631033-09 | TRAFFIC BARRIER TERMINAL, TYPE 6B |
| 631046-04 | TRAFFIC BARRIER TERMINAL, TYPE 10 |
| 631051-03 | TRAFFIC BARRIER TERMINAL, TYPE 11 |
| 631061-01 | TRAFFIC BARRIER TERMINAL, TYPE 13 |
| 631066 | TRAFFIC BARRIER TERMINAL, TYPE 14 |
| 636001-02 | CABLE ROAD GUARD SINGLE STRAND |
| 643001-02 | SAND MODULE IMPACT ATTENUATORS |
| 664001-02 | CHAIN LINK FENCE |
| 665001-02 | WOVEN WIRE FENCE |
| 701001-02 | OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY |
| 701006-05 | OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE |
| 701011-04 | OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY |
| 701101-05 | OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE |
| 701106-02 | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY |
| 701201-05 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701400-12 | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701401-13 | LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701406-13 | LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY |
| 701411-09 | LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH |
| 701416-11 | LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH CROSSOVER AND BARRIER |
| 701421-08 | LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH |
| 701422-10 | LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH |
| 701426-09 | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH |
| 701427-05 | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH |
| 701428-01 | TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY |
| 701446-11 | TWO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701451-05 | RAMP CLOSURE FREEWAY/EXPRESSWAY |
| 701456-05 | PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701502-09 | URBAN LANE CLOSURE 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701602-10 | URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE |
| 701606-10 | URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-09 | TRAFFIC CONTROL DEVICES |
| 725001-01 | OBJECT AND TERMINAL MARKERS |
| 782006-01 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |

GENERAL NOTES

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR IS ADVISED THAT THERE MAY BE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

THE REMOVAL OF DAMAGED GUARDRAIL, DAMAGED HIGH-TENSION CABLE, AND DAMAGED POSTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS REPLACEMENT PAY ITEMS.

THE TRAFFIC CONTROL REQUIRED FOR THE REPAIRS OR INSTALLATION OF GUARDRAIL, HIGH-TENSION CABLE, OR FENCE SHALL BE INCLUDED IN THE CALLOUT TRAFFIC CONTROL PAY ITEMS AS DESCRIBED IN THE SPECIAL PROVISIONS, AND SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL STANDARDS INCLUDED HEREIN.

ALL HARDWARE (NUTS, BOLTS, WASHERS, STAPLES, WIRES, TIES, ETC.) REQUIRED FOR THE REPAIRS TO OR INSTALLATION OF GUARDRAIL, HIGH-TENSION CABLE, AND FENCE SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS OF WORK IN THIS CONTRACT.

CONTRACTOR SHALL PROVIDE A FIELD OFFICE IN LASALLE OR BUREAU COUNTY.

COMMITMENTS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION: _____

INSPECTORS: _____

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

| | | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|----------------------|--------------------|---------|--------|--------------|-----------|----|
| FILE NAME = | USER NAME = tlmthy_zletsch | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw2/illdot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 3/ORD Projects/D366P31/CADDData/66P31-shi-cover.dwg | DRAWN - | REVISED - | VAR. | | | * | VARIOUS | 20 | 2 | | |
| Default | PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - | | | CONTRACT NO. 66P31 | | | | | |
| | PLOT DATE = 2/27/2024 | DATE - | REVISED - | | | SCALE: | SHEET | OF | SHEETS | STA. | TO |

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 PROJECT: C:\Users\dot_o_csa\Documents\DOT_0_csa\District_3\ORBD_Projects\66P31\CADD\66P31-akt-cover.dgn

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|----------|--|------|----------------|------------------------|------------------------------|--------------------------------|
| | | | | MCHD 100% MCHD ROADWAY | CONT MAIN 100% STATE ROADWAY | HTC BARRIER 100% STATE ROADWAY |
| | | | | 0021 | 0021 | 0021 |
| | | | | RURAL 07M0 | RURAL 07E0 | RURAL 07A0 |
| 63100045 | TRAFFIC BARRIER TERMINAL, TYPE 2 | EACH | 3 | 2 | 1 | |
| 63100070 | TRAFFIC BARRIER TERMINAL, TYPE 5 | EACH | 1 | 1 | | |
| 63100085 | TRAFFIC BARRIER TERMINAL, TYPE 6 | EACH | 4 | 2 | 2 | |
| 63100087 | TRAFFIC BARRIER TERMINAL, TYPE 6A | EACH | 1 | 1 | | |
| 63100089 | TRAFFIC BARRIER TERMINAL, TYPE 6B | EACH | 1 | 1 | | |
| 63100101 | TRAFFIC BARRIER TERMINAL, TYPE 9 | EACH | 1 | 1 | | |
| 63100105 | TRAFFIC BARRIER TERMINAL, TYPE 10 | EACH | 1 | 1 | | |
| 63100115 | TRAFFIC BARRIER TERMINAL, TYPE 12 | EACH | 1 | 1 | | |
| 63100119 | TRAFFIC BARRIER TERMINAL, TYPE 14 | EACH | 1 | 1 | | |
| 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 25 | 15 | 10 | |
| 63100169 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED | EACH | 12 | 5 | 7 | |
| 63301210 | REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A | FOOT | 50 | | 50 | |
| 63301215 | REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B | FOOT | 50 | | 50 | |
| 64300260 | IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH | 2 | 1 | 1 | |

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

| | | |
|-----------------------------|------------|-----------|
| USER NAME = timothy.pletsch | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------------|-----------|
| VAR. | * | VARIOUS | 20 | 3 |
| | | | CONTRACT NO. 66P31 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|------------|--|--------|----------------|------------------------|------------------------------|--------------------------------|
| | | | | MCHD 100% MCHD ROADWAY | CONT MAIN 100% STATE ROADWAY | HTC BARRIER 100% STATE ROADWAY |
| | | | | 0021 | 0021 | 0021 |
| | | | | RURAL 07M0 | RURAL 07E0 | RURAL 07A0 |
| 66400105 | CHAIN LINK FENCE, 4' | FOOT | 350 | 50 | 300 | |
| 66400305 | CHAIN LINK FENCE, 6' | FOOT | 25 | 25 | 0 | |
| 66500105 | WOVEN WIRE FENCE, 4' | FOOT | 1250 | 1000 | 250 | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 12 | | | 12 |
| 67100100 | MOBILIZATION | L SUM | 1 | 0.5 | 0.5 | |
| * 78200005 | GUARDRAIL REFLECTORS, TYPE A | EACH | 20 | 10 | 10 | |
| X0322878 | TIMBER CURB | FOOT | 10 | 10 | | |
| X0326126 | WOOD TERMINAL POST | EACH | 10 | 5 | 5 | |
| X6300215 | RAIL ELEMENT PLATES | EACH | 325 | 200 | 125 | |
| X6300230 | STEEL POSTS | EACH | 175 | 50 | 125 | |
| X6310301 | REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) | EACH | 20 | 5 | 15 | |
| X6331101 | TUBULAR THRIE BEAM | FOOT | 25 | 25 | | |
| X6331105 | STEEL POSTS, MODIFIED | EACH | 2 | 2 | | |
| X6331110 | STEEL POSTS (SPECIAL) | EACH | 53 | 3 | 50 | |

*= SPECIALTY ITEM

DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

| | | |
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| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | VARIOUS | 20 | 4 |
| | | | CONTRACT NO. 66P31 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
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| | | | | MCHD 100% MCHD ROADWAY | CONT MAIN 100% STATE ROADWAY | HTC BARRIER 100% STATE ROADWAY |
| | | | | 0021 | 0021 | 0021 |
| | | | | RURAL 07M0 | RURAL 07E0 | RURAL 07A0 |
| X6350204 | LINEAR DELINEATOR PANELS, 4 INCH | EACH | 70 | 50 | 20 | |
| X6432110 | REPLACE IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3 | EACH | 115 | 40 | 75 | |
| X6432200 | REPAIR IMPACT ATTENUATORS (FULLY REDIRECTIVE) | EACH | 3 | 1 | 2 | |
| X6440106 | REPLACE HIGH TENSION CABLE END SECTION | EACH | 17 | 2 | | 15 |
| X6440108 | REPAIR HIGH TENSION CABLE | FOOT | 800 | 300 | | 500 |
| X6440118 | REPAIR HIGH TENSION BARRIER TERMINAL | EACH | 53 | 3 | | 50 |
| X6440122 | REMOVE AND REPLACE HIGH TENSION CABLE POST | EACH | 950 | 150 | | 800 |
| X6440124 | REMOVE AND REPLACE HTC POST (HEAVY DUTY) | EACH | 1000 | 200 | | 800 |
| X6610200 | HOT-MIX ASPHALT CURB REPAIR | FOOT | 25 | 25 | | |
| X6640502 | CHAIN LINK FENCE POST | EACH | 35 | 10 | 25 | |
| X7011834 | TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK | EACH | 20 | 10 | 10 | |
| X7011836 | TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY, CALL OUT WORK | EACH | 10 | 4 | 5 | 1 |
| Z0012752 | CONCRETE STRUCTURE REPAIR | CU FT | 2 | 2 | | |
| Z0020210 | PULL POST ARRANGEMENT | EACH | 10 | 5 | 5 | |

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

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**STATE OF ILLINOIS
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| | | | | MCHD 100% MCHD ROADWAY | CONT MAIN 100% STATE ROADWAY | HTC BARRIER 100% STATE ROADWAY |
| | | | | 0021 | 0021 | 0021 |
| | | | | RURAL 07M0 | RURAL 07E0 | RURAL 07A0 |
| Z0029657 | HIGH TENSION CABLE SYSTEM MAINTENANCE | EACH | 599 | 99 | | 500 |
| Z0029665 | REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - RAIL ELEMENT PLATE | FOOT | 5 | 0 | 5 | |
| Z0052600 | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2 | EACH | 1 | 1 | | |
| Z0053200 | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6 | EACH | 1 | 1 | | |
| Z0053210 | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6A | EACH | 1 | 1 | | |
| Z0053220 | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6B | EACH | 1 | 1 | | |
| Z0053400 | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 8 | EACH | 1 | 1 | | |
| Z0053500 | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 9 | EACH | 1 | 1 | | |
| Z0053575 | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 12 | EACH | 1 | 1 | | |

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* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

| | | | | | | | | | | | | |
|----------------------------|------------|-----------|---|------------------------------|-------|----|-------------|---------|---------|--------------|---------------------------|--|
| USER NAME = tlmthy,pletsch | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - | | | | | VAR. | * | VARIOUS | 20 | 6 | |
| PLOT DATE = 2/27/2024 | DATE - | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. | CONTRACT NO. 66P31 | |
| | | | | | | | | | | | ILLINOIS FED. AID PROJECT | |

HIGH TENSION CABLE BARRIER REPAIR SYSTEM SCHEDULE

| LOCATION | COUNTY | SYSTEM | SYSTEM TYPE | CONTACT INFORMATION | |
|------------------------------|---------------------|----------|---------------|---------------------------|-----------------------------------|
| I-39, MP 63.9-69.9 | LASALLE | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| IL 47, I-80 TO CATON FARM RD | GRUNDY/KENDALL | TRINITY | DRIVEN (HD) | SCOTT MYERS (817)437-9023 | RICHARD FIGLEWICZ (847)638-4611 |
| I-55, MP 227-233 | GRUNDY | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-55, MP 216-227 | GRUNDY & LIVINGSTON | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-55, MP 207-210.5 | GRUNDY | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-55, JUST INSIDE WILL CO | | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-57, MP 322-324 | KANKAKEE | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-57, MP 312-314.8 | KANKAKEE | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-57, MP 310.1-312 | KANKAKEE | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-57, MP 306.1-310.1 | KANKAKEE | TRINITY | DRIVEN (HD) | SCOTT MYERS (817)437-9023 | RICHARD FIGLEWICZ (847)638-4611 |
| I-57, MP 302.5-306.1 | KANKAKEE | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-57, MP 293-302.5 | IROQUOIS/KANKAKEE | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-57, MP 290.5-293 | IROQUOIS | TRINITY | DRIVEN (HD) | SCOTT MYERS (817)437-9023 | RICHARD FIGLEWICZ (847)638-4611 |
| I-57, MP 285-290.5 | IROQUOIS | TRINITY | DRIVEN (HD) | SCOTT MYERS (817)437-9023 | RICHARD FIGLEWICZ (847)638-4611 |
| I-57, MP 277-279 | IROQUOIS | NUCOR | DRIVEN | | JEREMY KNERNDCHIELD (913)744-8054 |
| I-80, MP 97-105 | LASALLE & GRUNDY | TRINITY | DRIVEN (HD) | SCOTT MYERS (817)437-9023 | RICHARD FIGLEWICZ (847)638-4611 |
| I-80, MP 92.5-97.1 | LASALLE | TRINITY | DRIVEN (HD) | SCOTT MYERS (817)437-9023 | RICHARD FIGLEWICZ (847)638-4611 |
| I-80, MP 80.5-92.5 | LASALLE | TRINITY | DRIVEN (HD) | SCOTT MYERS (817)437-9023 | RICHARD FIGLEWICZ (847)638-4611 |
| I-80, MP 74.3-80.2 | LASALLE | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-80, MP 64-70.1 | BUREAU | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-80, MP 41.5-48.1 | BUREAU | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |
| I-80, MP 34.9-41.5 | BUREAU | GIBALTAR | DRIVEN | BEN DVORAK (815)288-2343 | |

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* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY25

| | | | | | | | | | | |
|----------------------------|------------|-----------|---|-------------------------------------|-------|-------------|---------|----------|------------------|-----------|
| USER NAME = tlmthy,pletsch | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HIGH TENSION CABLE LOCATIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - | | | | VAR. | * | VARIOUS | 20 | 7 |
| PLOT DATE = 2/27/2024 | DATE - | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. |
| | | | | | | | | ILLINOIS | FED. AID PROJECT | |

CONTRACT NO. 66P31



Illinois Department of Transportation

TENSION LOG SHEET
FOR
High Tension Cable Barrier

| System | |
|--------|----------------|
| | Brifen |
| | USHTCS (Nucor) |
| | Gibraltar |
| | Trinity (CASS) |

Date / Time: _____

Contract / Work Order No. _____

County: _____

Route: _____

Milepost/ GPS: _____

Ambient Temp: _____

Rope Temp: _____

| 3 or 4 Cable System | Location 1 Actual Load kN/LB | Location 2 Actual Load kN/LB | Location 3 Actual Load kN/LB | Average Load (L1+L2+L3/3) kN/LB | Design Load kN/LB (see charts) |
|-------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------------|
| Top Cable | | | | | |
| Cable 2 | | | | | |
| Cable 3 (If Applicable) | | | | | |
| Bottom Cable | | | | | |

Note: Readings should be taken at 3 separate places along each cable, moving the tension meter at least 4" between readings. The average load is compared to design load for tolerance.

Number of splices made to the cable: _____

Were tensioning adjustments made to the cable: _____

Is 1" (minimum) of thread exposed in all turnbuckle windows: _____

Splice Type & Location (s): _____

Testing Equipment Used: _____

Printed Name & Signature of Tester: _____

Other Notes: _____

_____ IDOT Inspector Initials (if Present):

TENSION CHECK REQUIREMENTS

CHECKING AND CORRECTING THE TENSION IN EACH CABLE SHALL BE PERFORMED EACH TIME A CABLE IS SPLICED. THE RECOMMENDED TENSIONS FOR EACH SYSTEM SHALL BE ACCORDING TO MANUFACTURER SPECIFICATIONS. THE RESULT OF EACH CHECK SHALL BE RECORDED ON A COPY OF THE TENSION LOG SHEET SHOWN ON THIS SHEET. THE COMPLETED LOG SHALL BE SUBMITTED A LONG WITH WORK ORDER BILLINGS.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

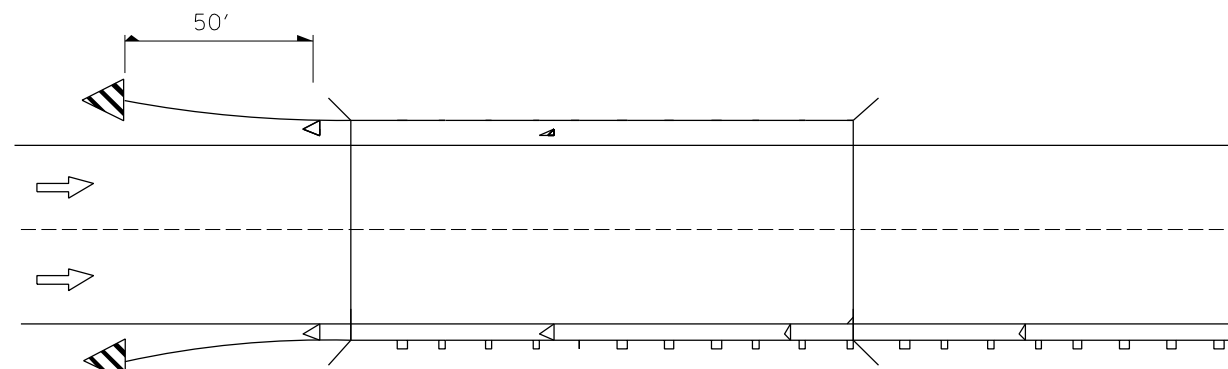
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| FILE NAME = | USER NAME = tlmthy.zletsch | DESIGNED - | REVISED - |
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| Default | PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - |
| | PLOT DATE = 2/27/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HTC CABLE TENSION CABLE SHEET

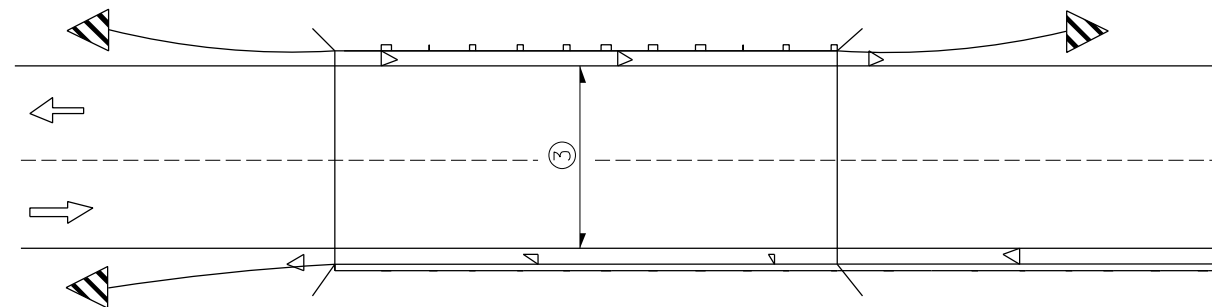
SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|-------------|---------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | VARIOUS | 20 | 8 |
| | | | CONTRACT NO. 66P31 | |
| | | ILLINOIS FED. AID PROJECT | | |



Reflectors are not to be placed on TerminalEnd Sections.
 (min. 3 reflectors regardless of length).
 After 400 ft transition, match existing delineator spacing.

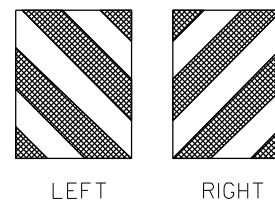
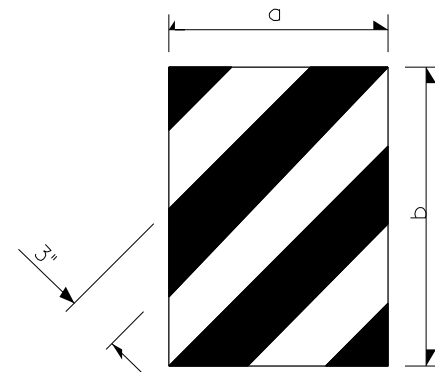
ONE-WAY TRAFFIC



③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the pavement is less than 24' wider than the pavement approaching the bridge.

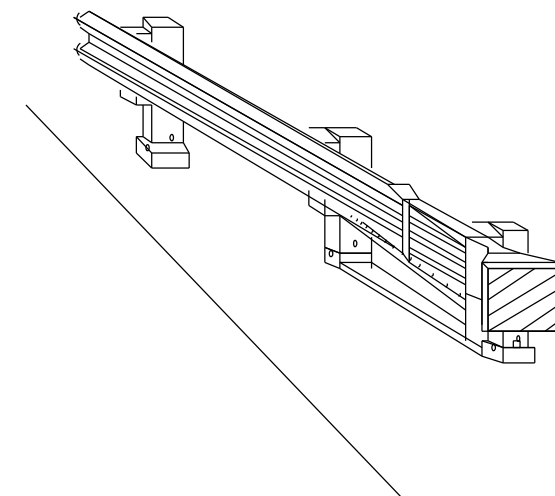
- ◁ Monodirectional silver
- ◄ Monodirectional amber
- ◄ Terminal Marker - Black/Yellow Left or Right as appropriate

TWO-WAY TRAFFIC



| DIMENSION | CASE I | CASE II |
|-----------|--------|----------|
| a | * | 450 (18) |
| b | * | 406 (16) |

* The width and height (a, b) of the terminal marker shall be within approximately 25 mm (1 inch) of the outer edge of the terminal end, with a minimum reflective area of 0.18 m² (288 sq. in.)

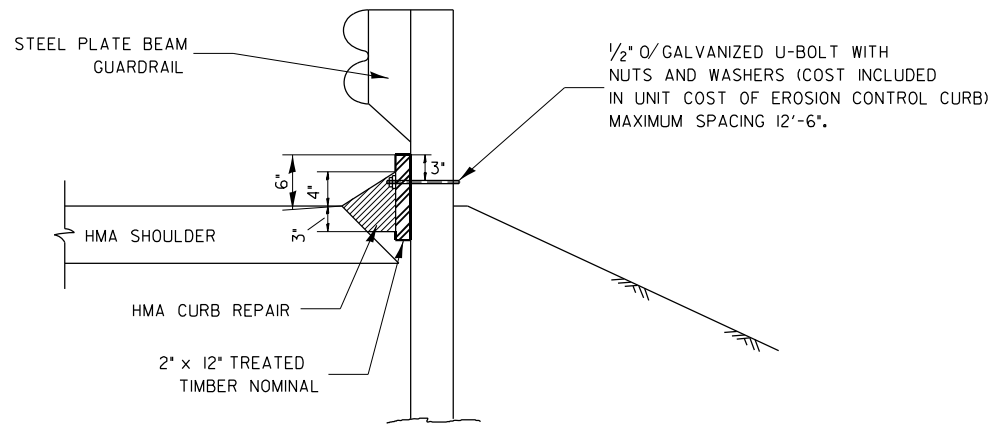


TERMINAL MARKER DETAILS
 Color: Black / Yellow reflectorized

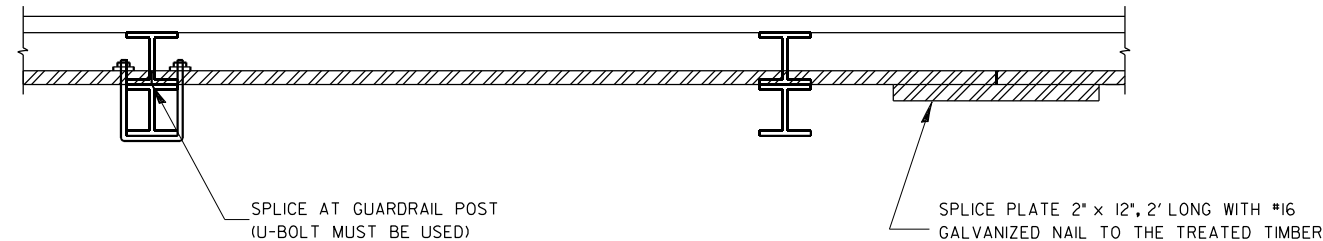
**REFLECTOR AND
 TERMINAL MARKER PLACEMENT**

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

| | | | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|----------------------------------|-------|----|-------------|---------|---------|--------------------|------------------|
| FILE NAME = | USER NAME = tlmthy.zletsch | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TERMINAL MARKER PLACEMENT | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw2/illdot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 3/ORD Projects/D366P31/CADDData/66P31-shd-details | DRAWN - | REVISED - | REVISED - | | | | | VAR. | * | | 20 | 9 |
| Default | PLOT SCALE = \$SCALE\$ | CHECKED - | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO STA. | CONTRACT NO. 66P31 | |
| | PLOT DATE = 2/27/2024 | DATE - | REVISED - | | | | | | | | ILLINOIS | FED. AID PROJECT |



SIDE VIEW



TOP VIEW

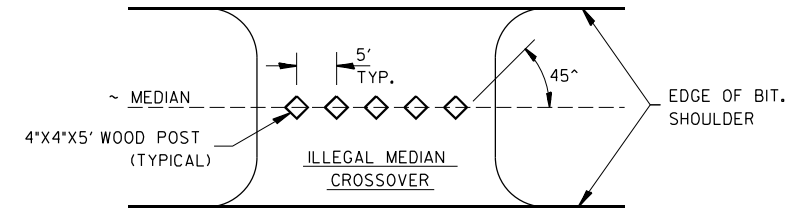
NOTE:
 THE TREATED TIMBER SHALL BUTT TOGETHER AT THE GUARDRAIL POST OR SPLICED AS SHOWN ON THE DETAIL.

THE TREATED TIMBER SHALL BE TREATED IN ACCORDANCE TO ARTICLE 1007.12 AND ALL PRESERVATIVES SPECIFIED IN THE ARTICLE WILL BE ALLOWED.

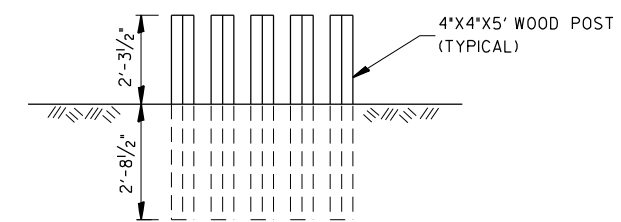
THE PRICE FOR EROSION CONTROL CURB SHALL INCLUDE THE U-BOLTS ATTACHING THE TREATED TIMBER TO THE GUARDRAIL POSTS, TREATED TIMBER, AND THE NECESSARY GRADING TO COMPLETE THIS WORK.

HMA CURB REPAIR SHALL BE MEASURED AND PAID FOR AT CONTRACT UNIT PRICE PER TON.

HMA CURB REPAIR SHALL BE IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.



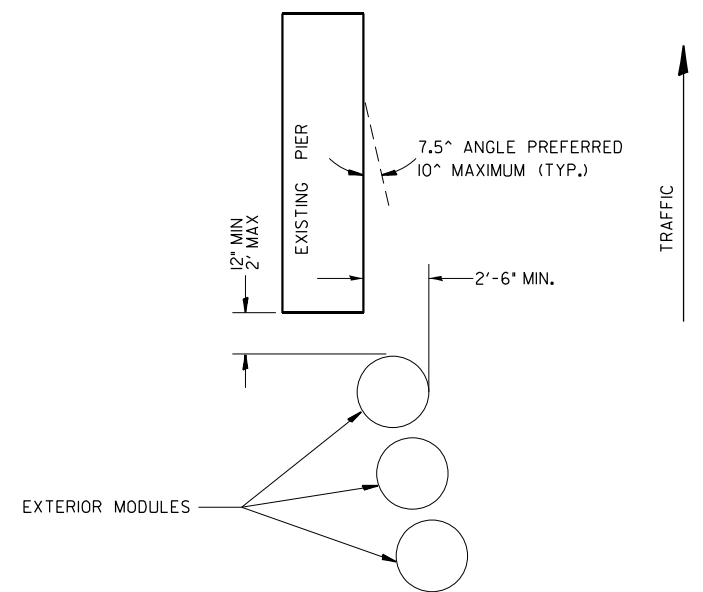
PLAN



ELEVATION

WOOD POST DETAIL

IMPACT ATTENUATOR LAYOUT PLAN



TYPICAL EXTERIOR MODULE LAYOUT

- NOTES:**
1. THE PAY ITEM *REPLACE IMPACT ATTENUATORS, (NON-REDIRECTIVE), TEST LEVEL 3* HAS BEEN INCLUDED TO REPLACE INDIVIDUAL DAMAGED SAND MODULES.
 2. REPLACEMENT MODULES SHALL MATCH THE KIND OF MODULES THAT ARE REMAINING.
 3. IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH SECTION 643 FOR IMPACT ATTENUATORS, AND WITH STANDARD 64300L.
 4. THIS SHEET SHOWS THE LAYOUT INFORMATION FOR REPLACEMENT OF SAND MODULES (IMPACT ATTENUATORS) AT A TYPICAL INTERSTATE LOCATION.
 5. ADJACENT SAND MODULE IMPACT ATTENUATORS THAT ARE NOT DAMAGED, BUT HAVE BEEN SHIFTED LATERALLY FROM THEIR ORIGINAL POSITION SHALL BE REALIGNED OR MOVED BACK TO THEIR ORIGINAL POSITION, AS DIRECTED BY THE ENGINEER. REALIGNMENT OR MOVING OF ADJACENT UNDAMAGED MODULES SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF REPLACEMENT. THE WORK TO REALIGN OR SHIFT UP TO 2 MODULES SHALL BE INCLUDED WITH EACH REPLACED SAND MODULE IMPACT ATTENUATOR.

TIMBER CURB & HMA CURB REPAIR

MODEL: Default
 FILE: \\blm\p\project\3080\Documents\DOT 0_ces\District_3\ORRD\Project\3080\Project\3080\Drawings\66P31\sub-detail.dgn

| | | |
|-----------------------------|------------|-----------|
| USER NAME = timothy.pletsch | DESIGNED - | REVISED - |
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| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

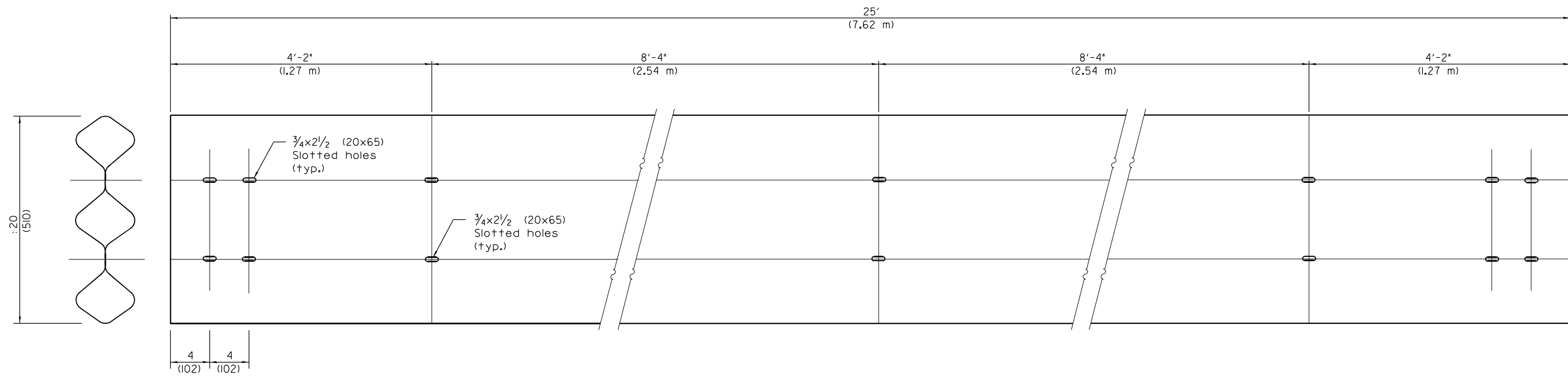
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIMBER CURB & BITUMINOUS CURB REPAIR
& GUARD POST DETAIL & IMPACT ATTENUATOR PLAN

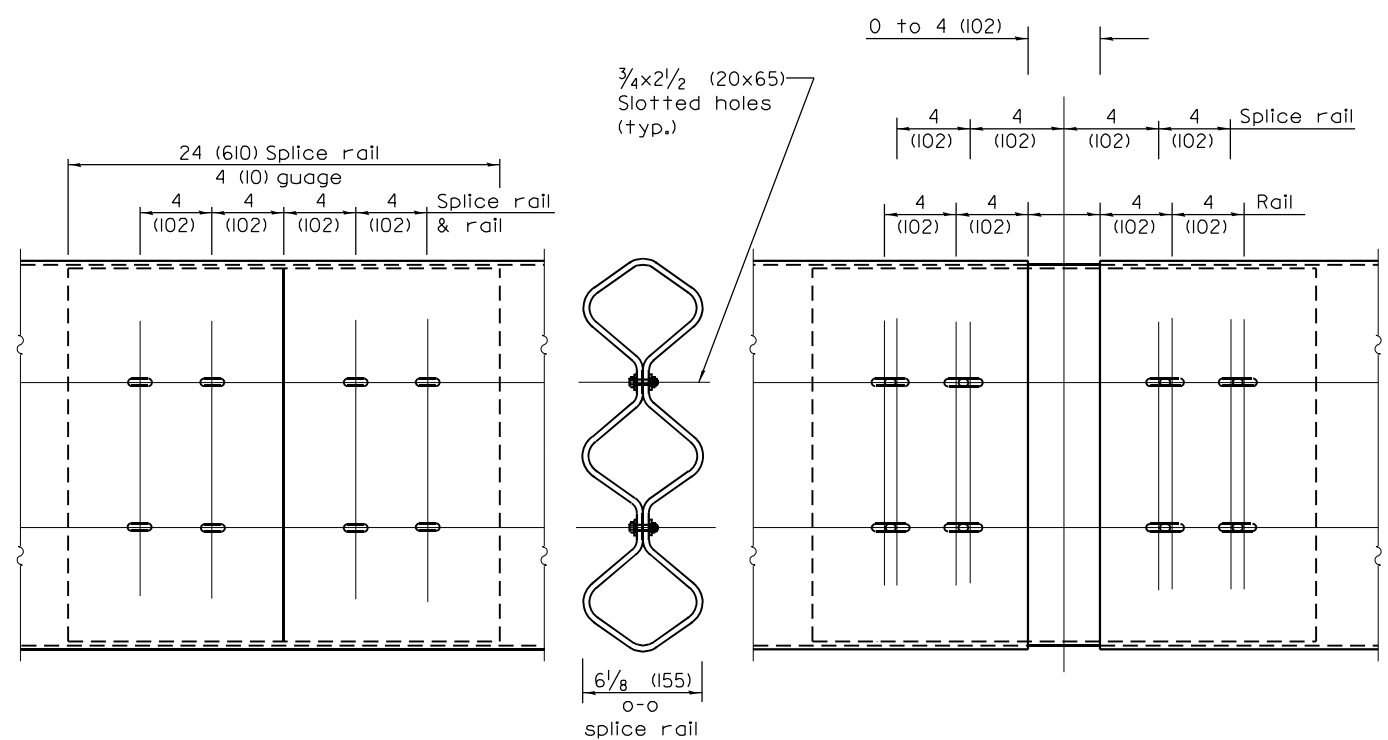
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | VARIOUS | 20 | 10 |
| | | | CONTRACT NO. 66P31 | |
| ILLINOIS FED. AID PROJECT | | | | |

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

SCALE: SHEET OF SHEETS STA. TO STA.

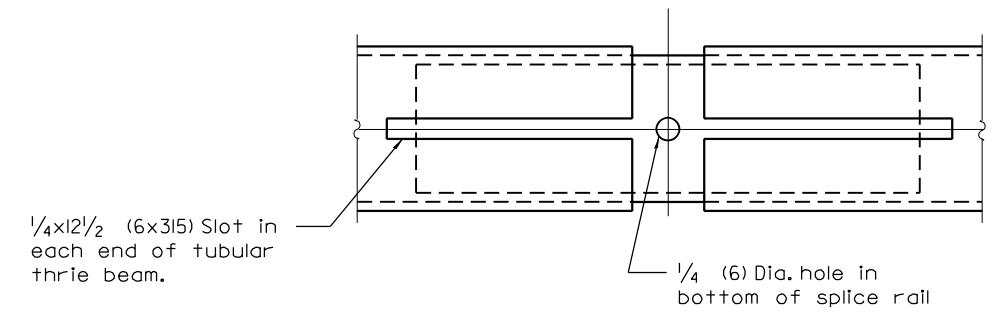


TUBULAR THRIE BEAM FOR INTERNAL SPLICE JOINT



INTERNAL SPLICE JOINT

INTERNAL EXPANSION SPLICE JOINT



BOTTOM VIEW OF INTERNAL EXPANSION SPLICE JOINT

GENERAL NOTES

Plate Washers B are to be placed under both heads and nuts of splicing bolts for internal splice and internal expansion splice joint.

Plate Washers C are to be placed under both heads and nuts of splicing bolts for lap expansion and internal lap splice joint.

See Standard 630001 for details of guardrail not shown.

All dimensions are in inches (millimeters) unless otherwise shown.

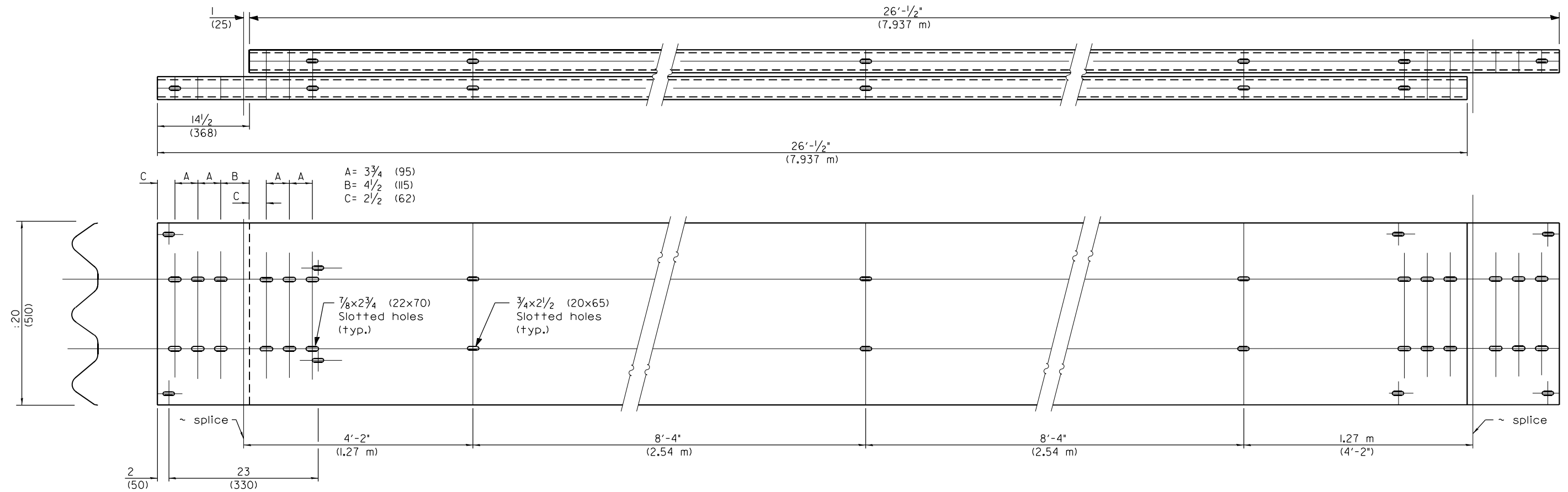
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| | | |
|----------------------------|------------|-----------|
| USER NAME = tlmthy,pletsch | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

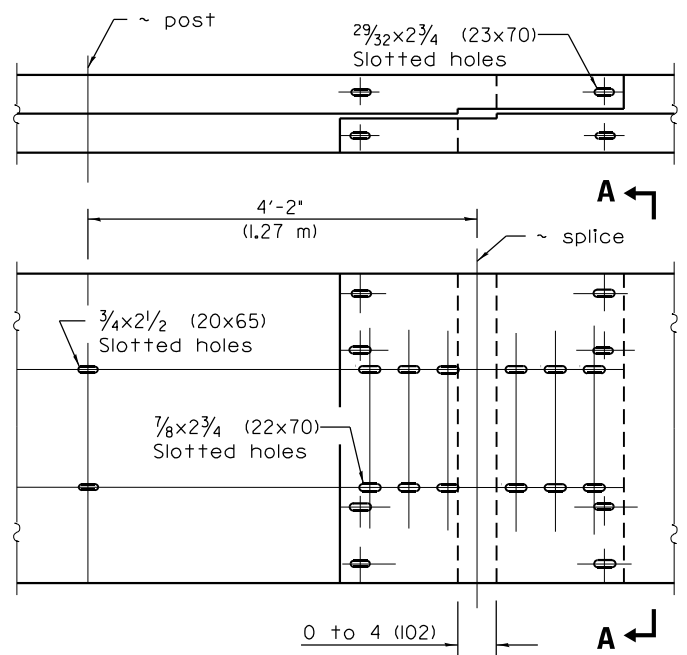
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|---|------------------------------|
| TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES | |
| SCALE: | SHEET OF SHEETS STA. TO STA. |

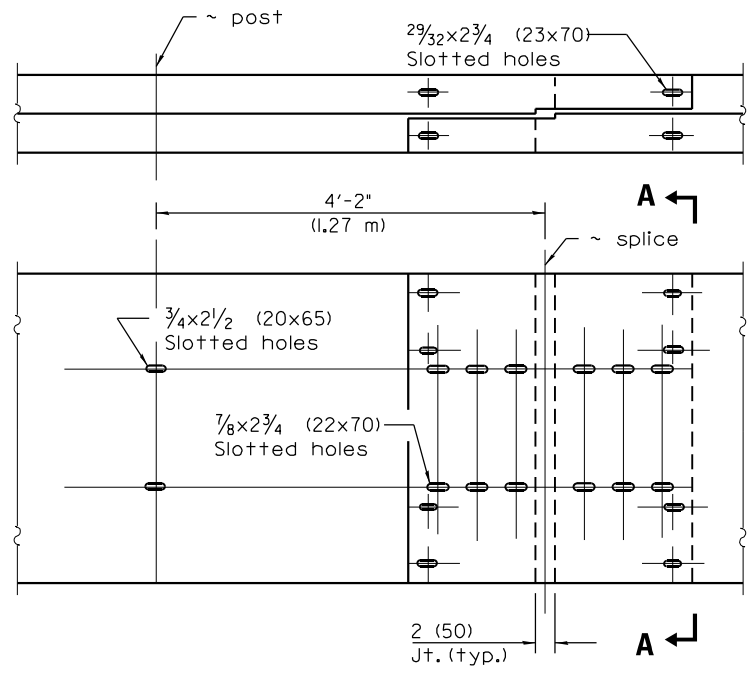
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|--|---------|---------|--------------------|-----------|
| * DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25 | | | | |
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | VARIOUS | 20 | 11 |
| | | | CONTRACT NO. 66P31 | |
| ILLINOIS FED. AID PROJECT | | | | |



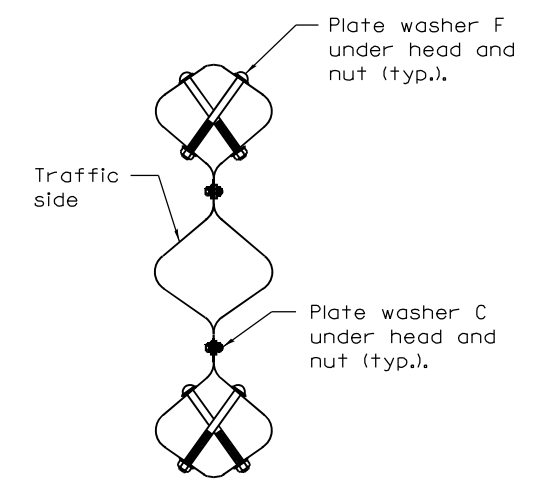
TUBULAR THRIE BEAM FOR LAP SPICE JOINT



LAP EXPANSION SPICE JOINT



LAP SPICE JOINT



SECTION A-A

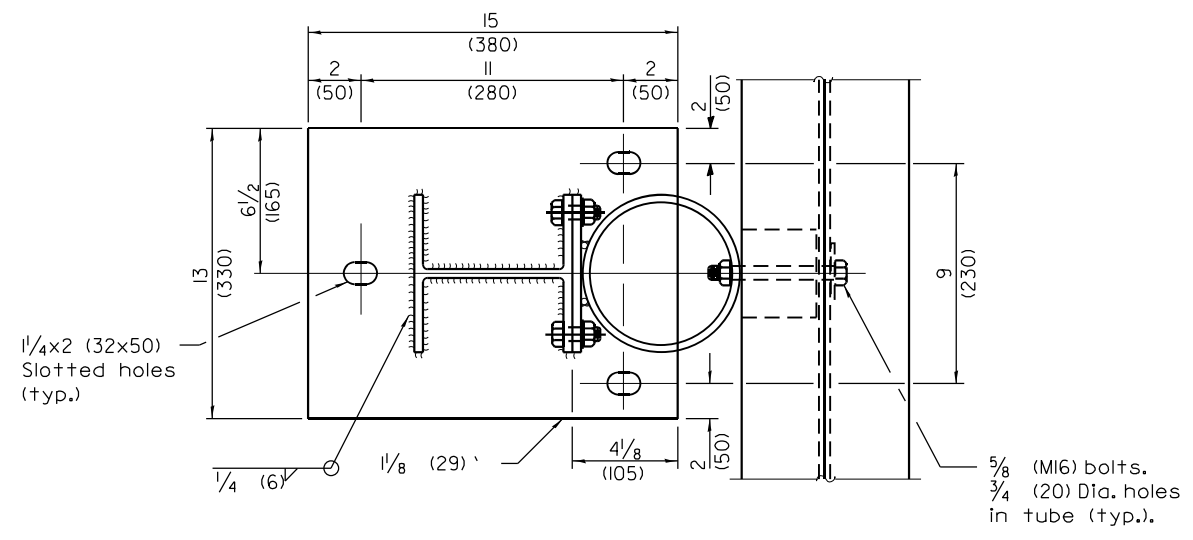
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|----------------------------|------------|-----------|
| USER NAME = tlmthy,pietsch | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

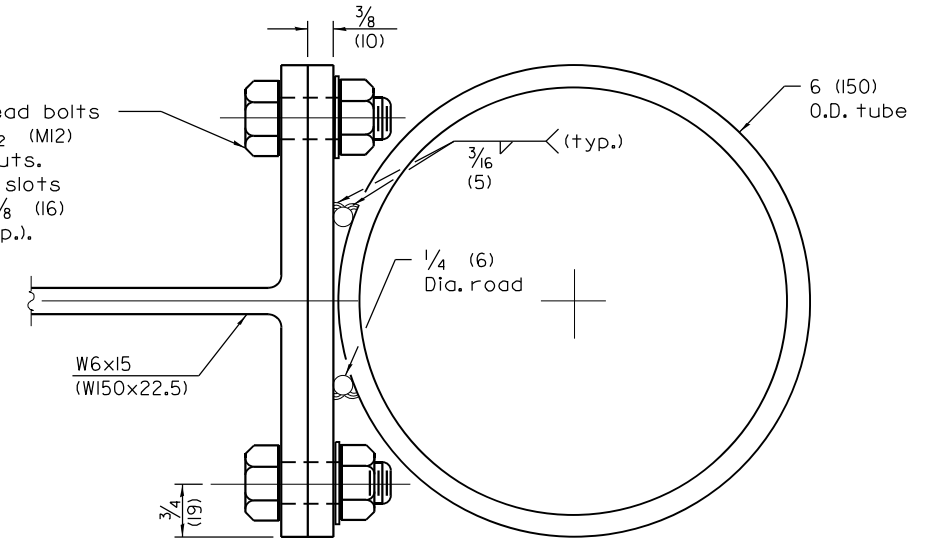
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|---|------------------------------|
| TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES | |
| SCALE: | SHEET OF SHEETS STA. TO STA. |

| | | | | |
|--|---------|---------------------------|--------------------|-----------|
| * DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25 | | | | |
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | VARIOUS | 20 | 12 |
| | | | CONTRACT NO. 66P31 | |
| | | ILLINOIS FED. AID PROJECT | | |

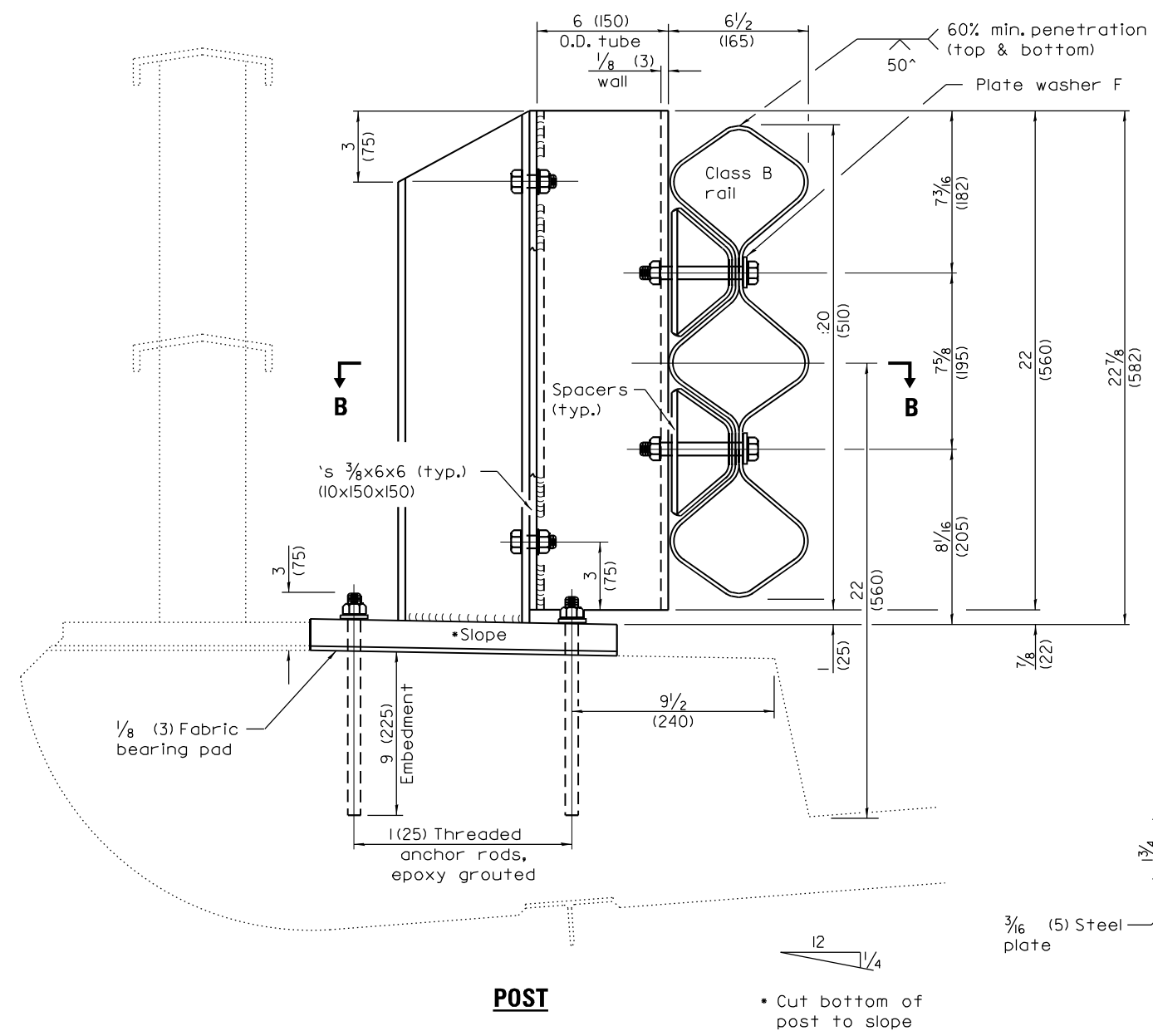


SECTION B-B

1/2 x 1/4 (M12x32) hex head bolts with hex nuts and 1/2 (M12) flat washer under nuts.
 5/8 x 1/2 (16x38) vertical slots in 3/8 (10) plate and 5/8 (16) dia. holes in post (typ.).

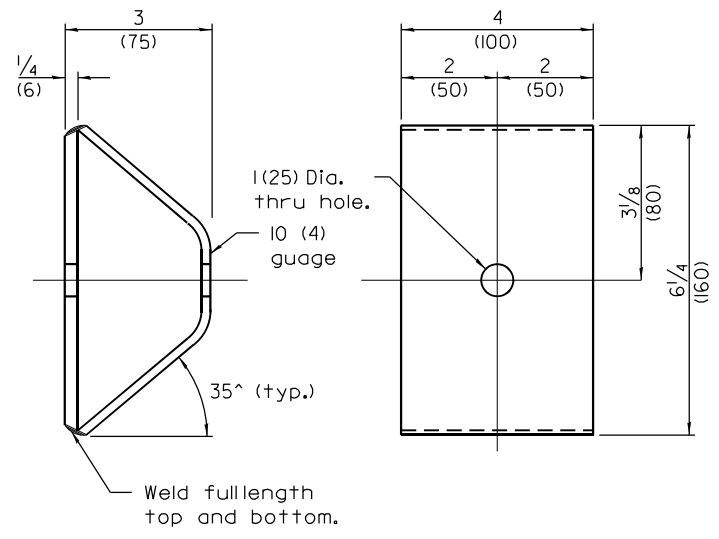


TUBE TO POST ATTACHMENT



POST

* Cut bottom of post to slope



SPACER

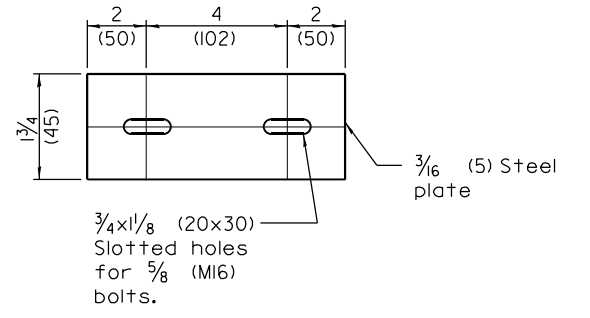


PLATE WASHER B

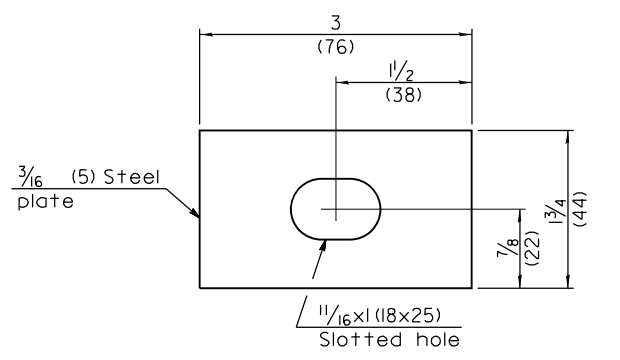


PLATE WASHER F

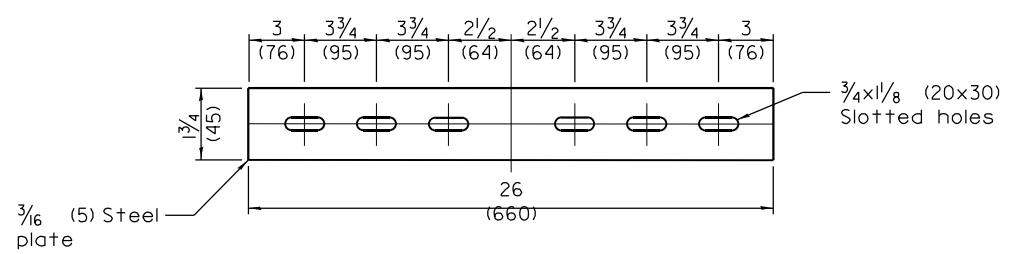


PLATE WASHER C

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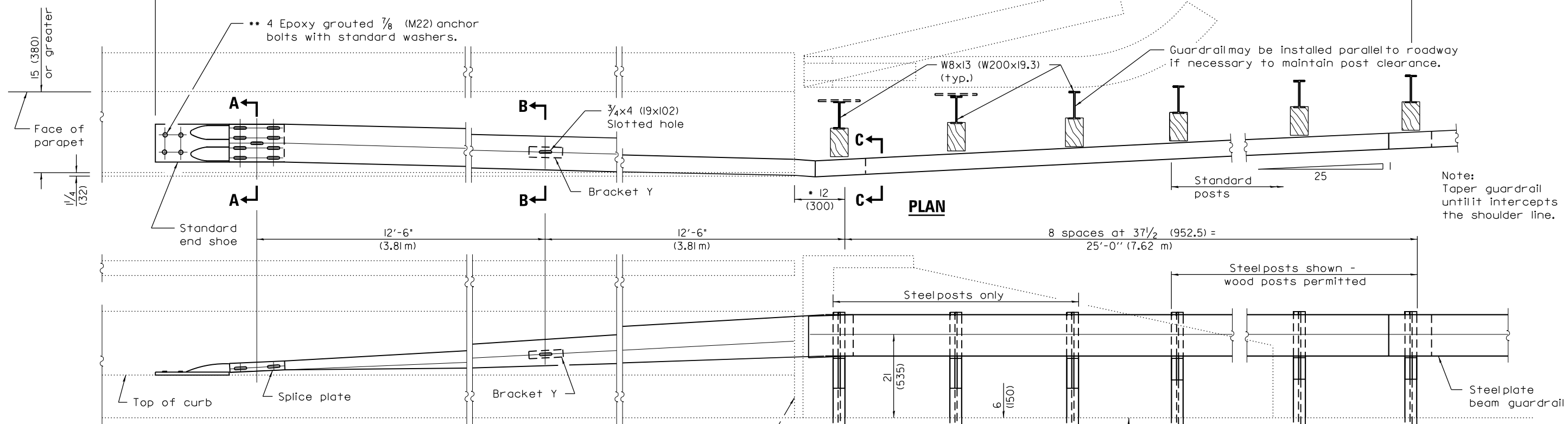
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|---------------------------|------------|-----------|
| USER NAME = tlmthy,pletch | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALES | DRAWN - | REVISED - |
| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

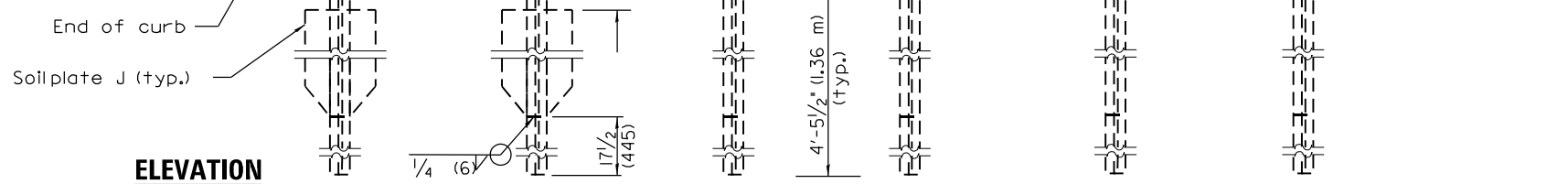
**TUBULAR THRIE BEAM
 RETROFIT RAIL FOR BRIDGES**

SCALE: SHEET OF SHEETS STA. TO STA.

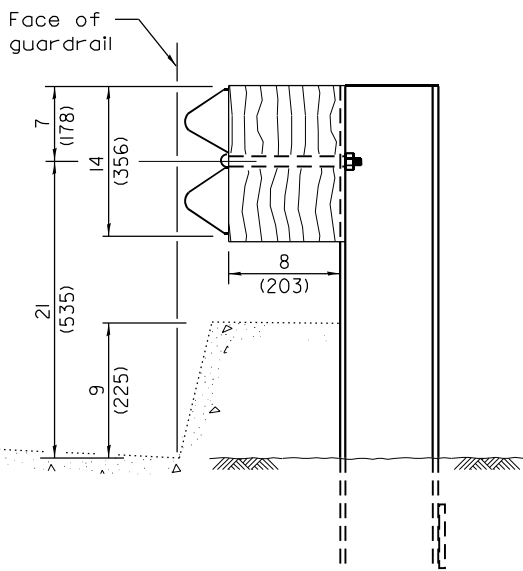
| | | | |
|--|---------|--------------------|------------------|
| * DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25 | | | |
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS |
| VAR. | * | VARIOUS | 20 |
| | | CONTRACT NO. 66P31 | SHEET NO. 13 |
| | | ILLINOIS | FED. AID PROJECT |



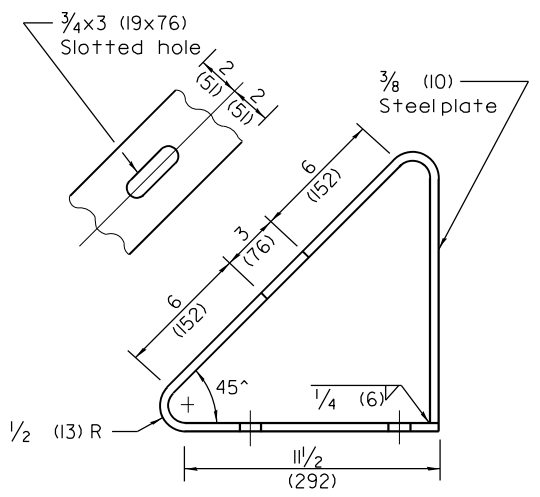
Note: Taper guardrail until it intercepts the shoulder line.



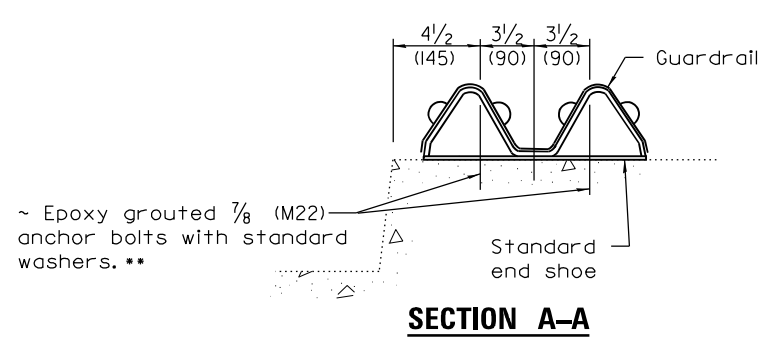
ELEVATION



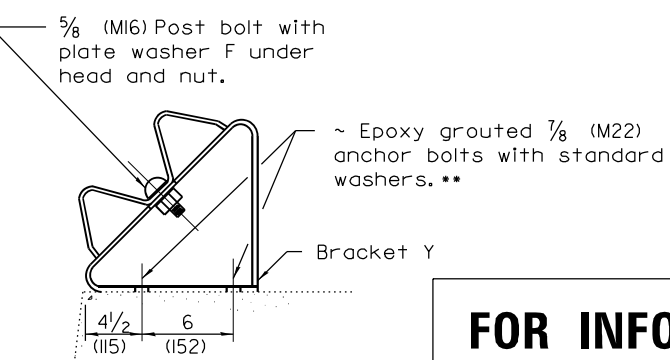
SECTION C-C



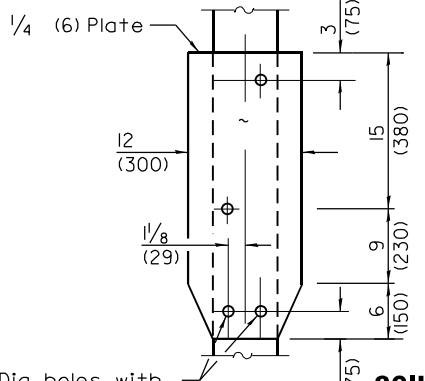
BRACKET Y



SECTION A-A



SECTION B-B



SOIL PLATE J & ALTERNATE CONNECTION DETAILS

FOR INFORMATION ONLY

GENERAL NOTES

- See Standard 63000I for details of guardrail not shown.
 - This dimension may be increased to fit field conditions. This post shall be located first. The layout of the terminal shall be determined by its location.
 - After tightening, cut the anchor bolts flush with nuts, and damage the bolt head to prevent them from loosening.
- All dimensions are in inches (millimeters) unless otherwise shown.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

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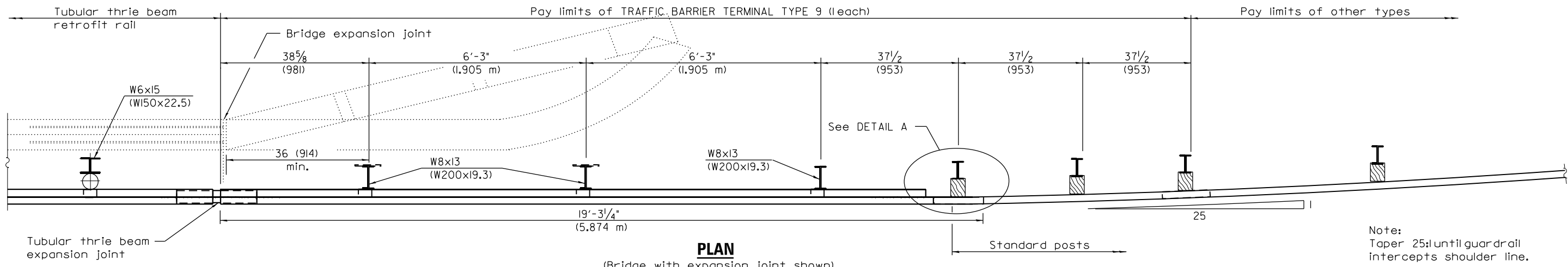
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| USER NAME = tlmthy,pletsch | DESIGNED - | REVISED - |
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| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC BARRIER TERMINAL TYPE 8

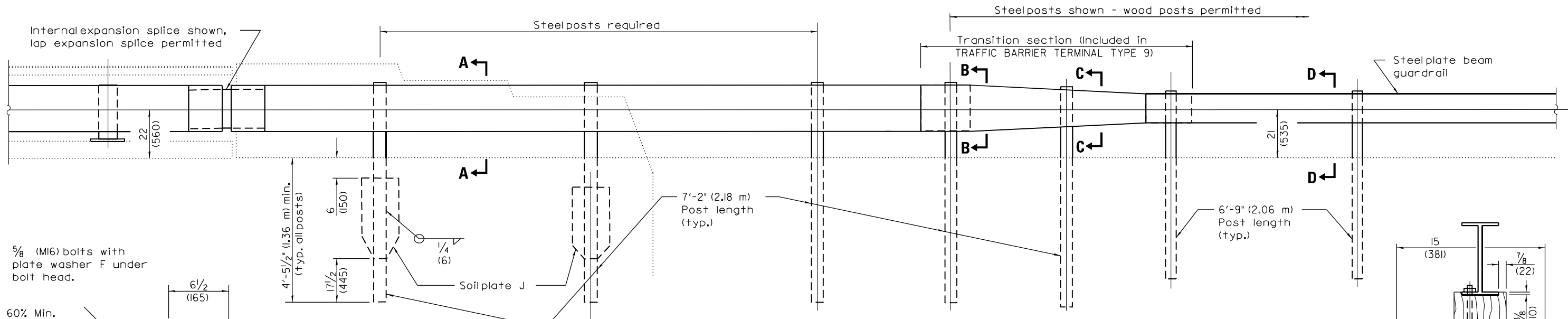
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| CONTRACT NO. 66P31 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

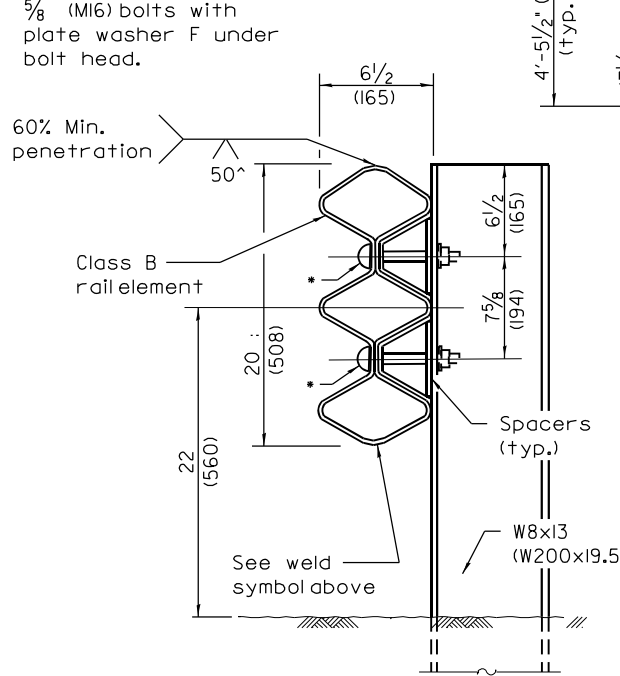


PLAN
(Bridge with expansion joint shown)

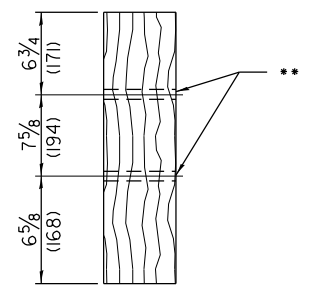
Note:
Taper 25:1 until guardrail intercepts shoulder line.



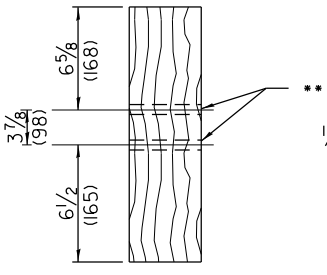
ELEVATION



SECTION A-A



SECTION B-B

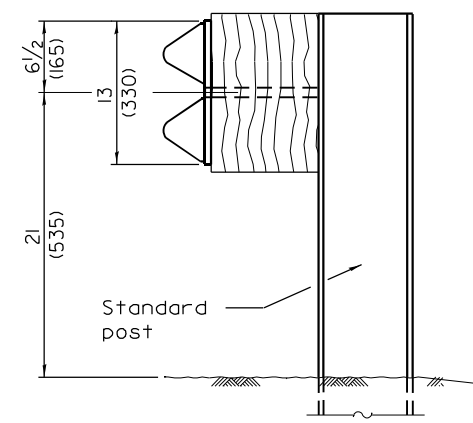


SECTION C-C

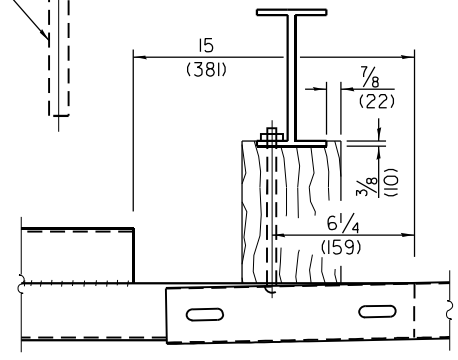
DETAILS of BLOCK-OUTS
•• ~ 3/4 (19) Dia. hole

4-3/4 (19) Dia. holes with
5/8 (M16) hex head bolts
with std. hex nut (typ.)

SOIL PLATE J & ALTERNATE CONNECTION DETAILS



SECTION D-D



DETAIL A

FOR INFORMATION ONLY

GENERAL NOTES

See Standards 50900I and 63000I for details of guardrail elements not shown.
The Type 9 terminal shall be installed after the posts for the bridge retrofit rail have been located as shown on Standard 50900I.
All dimensions are in inches (millimeters) unless otherwise shown.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

MODEL: Default
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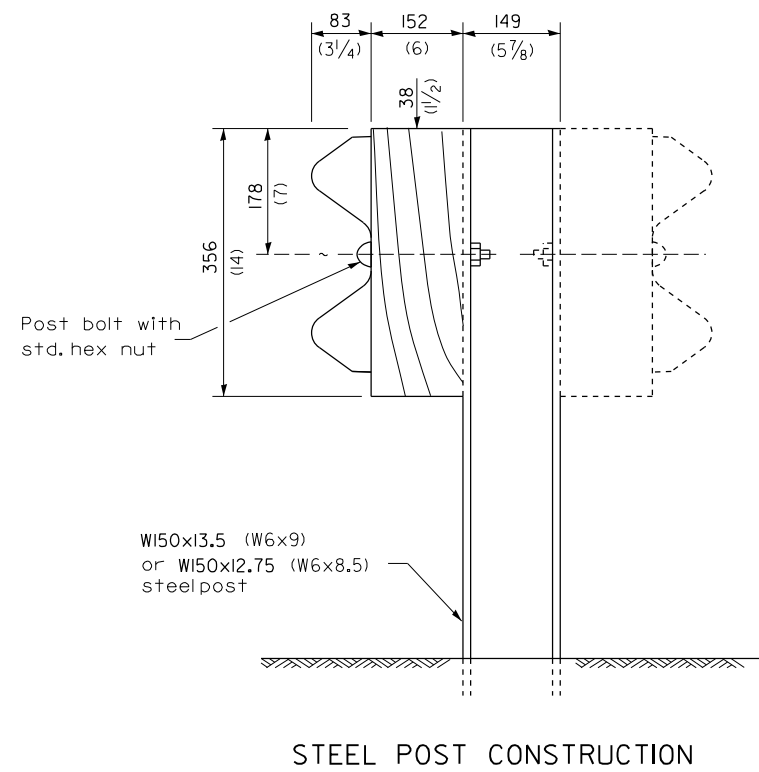
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|----------------------------|------------|-----------|
| USER NAME = tlmthy,pietsch | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALES | DRAWN - | REVISED - |
| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

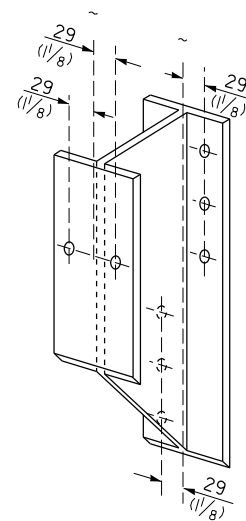
TRAFFIC BARRIER TERMINAL TYPE 9

SCALE: SHEET OF SHEETS STA. TO STA.

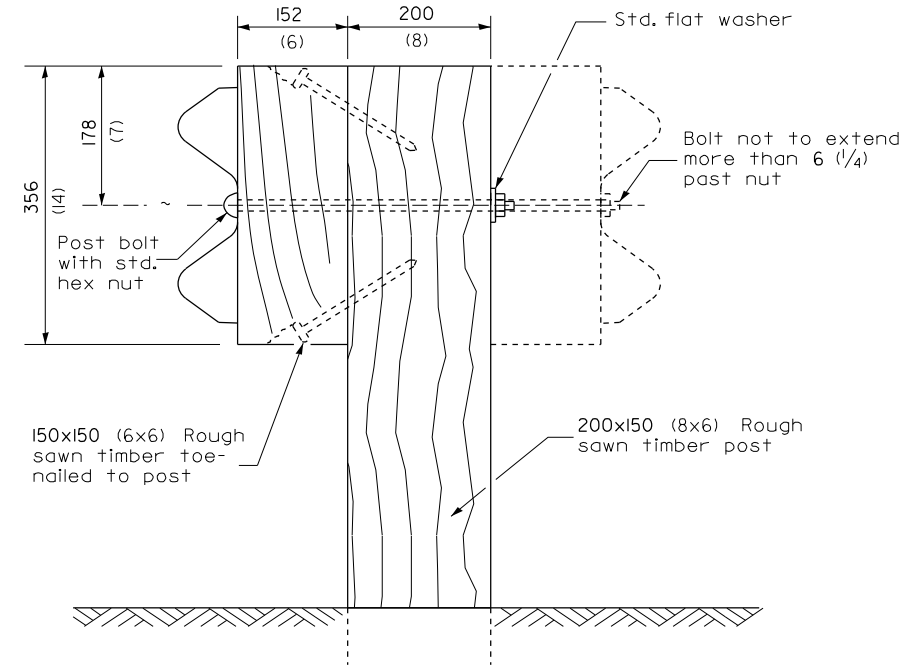
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------------|-----------|
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| | | | CONTRACT NO. 66P31 | |
| ILLINOIS FED. AID PROJECT | | | | |



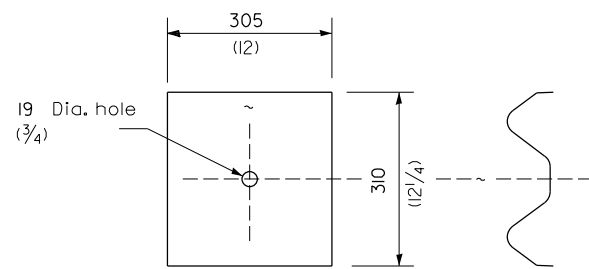
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



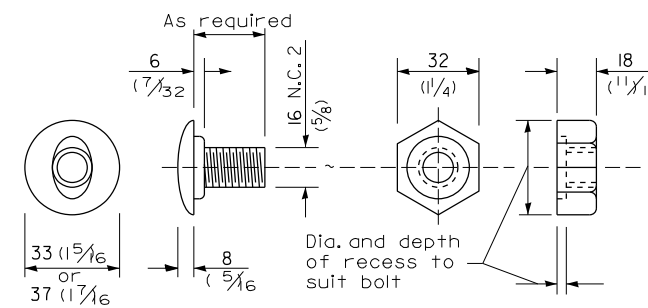
WOOD POST CONSTRUCTION



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A



POST OR SPLICE BOLT & NUT

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: p:\project-aw-beam\paw.com\paw\DOT\Documents\DOT 0_csr\District_3\ORRD_projects\0366P31\CADD\Drawings\66P31-plt-detail.dgn

| | | |
|----------------------------|------------|-----------|
| USER NAME = tlmthy,pletsch | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

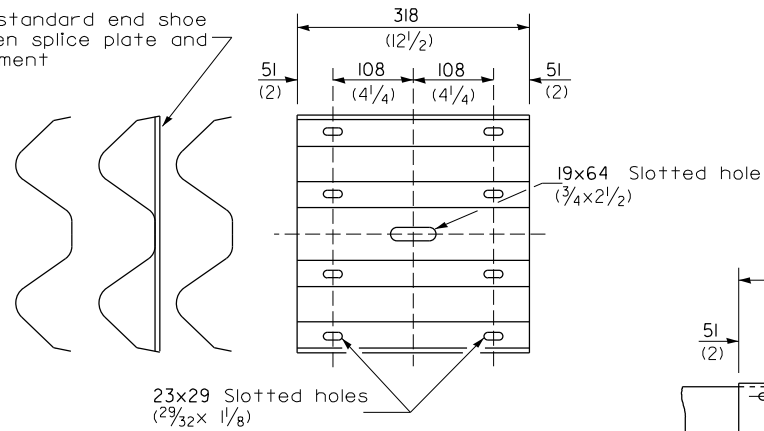
**PRE-MGS EFFECTIVE 4-1-06
STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06**

SCALE: SHEET OF SHEETS STA. TO STA.

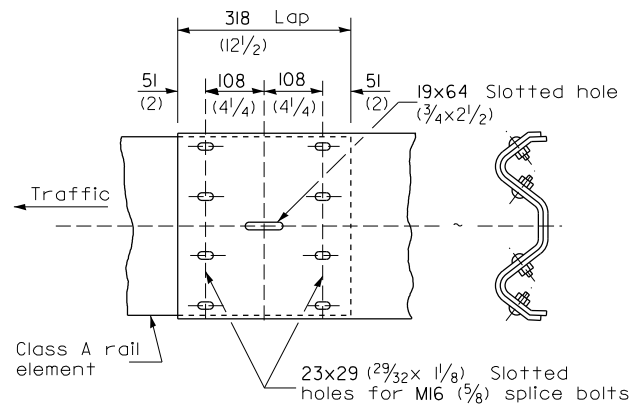
* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|----------|--------------------|-----------|
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| | | | CONTRACT NO. 66P31 | |
| | | ILLINOIS | FED. AID PROJECT | |

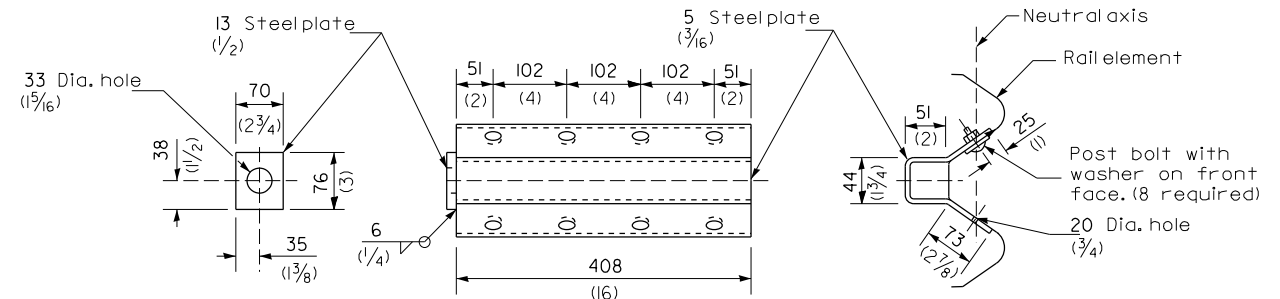
Place standard end shoe between splice plate and rail element



SPLICE PLATE



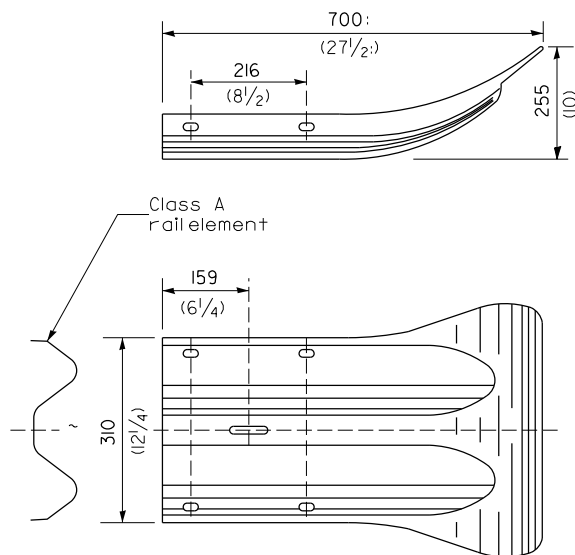
RAIL ELEMENT SPLICE



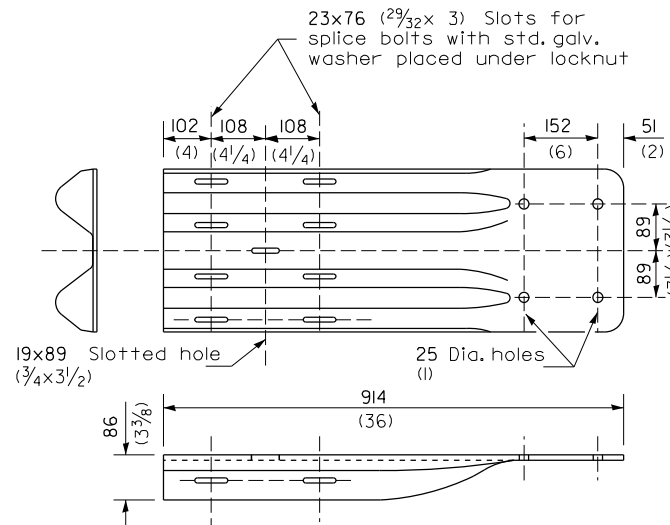
NOTE

Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS



END SECTION



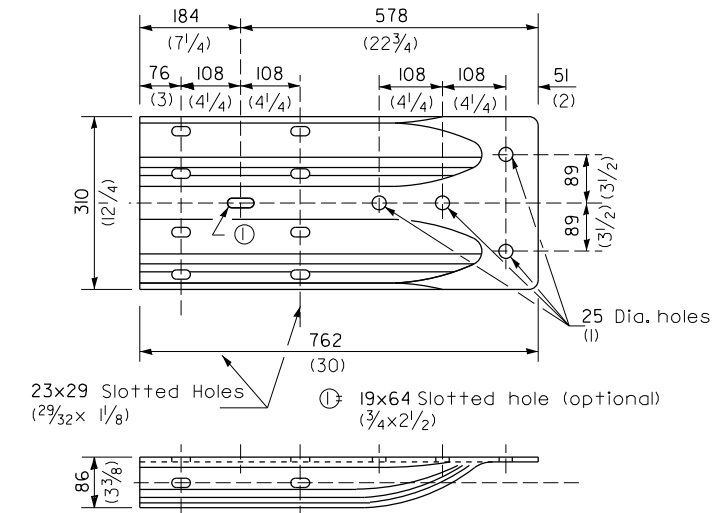
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE



ALTERNATE END SHOE

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: p:\project-aw-beam\ay.com\p\INDOT\Documents\DOT 0 ces\District 3\ORRD Projects\0366P31\CADD\Draws\66P31-Sub-Details.dgn

| | | |
|----------------------------|------------|-----------|
| USER NAME = tlmthy,pletsch | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
| PLOT DATE = 2/27/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

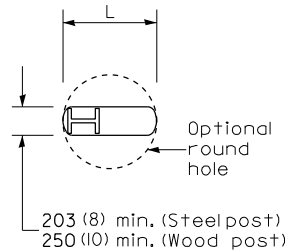
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRE-MGS EFFECTIVE 4-1-06
STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06**

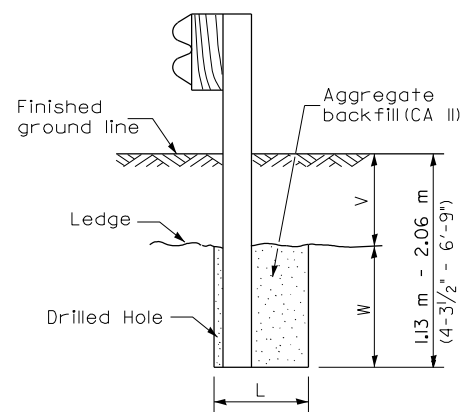
SCALE: SHEET OF SHEETS STA. TO STA.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|---------------------------|--------------------|-----------|
| VAR. | * | VARIOUS | 20 | 19 |
| | | | CONTRACT NO. 66P31 | |
| | | ILLINOIS FED. AID PROJECT | | |



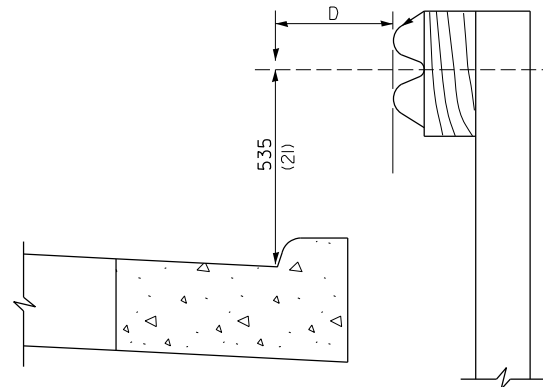
PLAN



Note:
Ledge line is top of rock ledge or hard slag fill.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



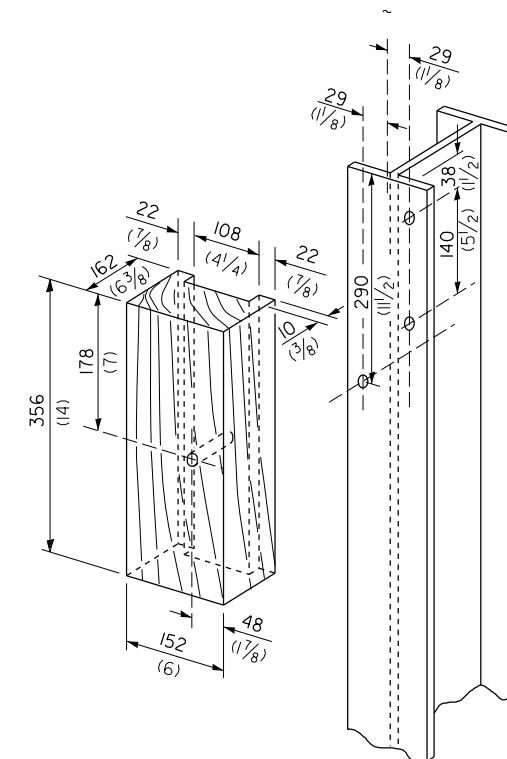
Note:

If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0") type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

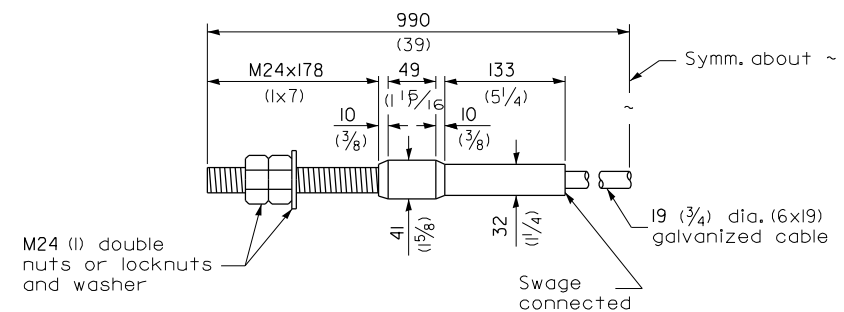
GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 300 (12) maximum)

| V | W | L | |
|---------------------------------|---------------------|-------------|-------------|
| | | Steel Post | Wood Post |
| 0 - 460 (0 - 18) | 610 (24) | 530 (21) | 580 (23) |
| >460 - 825 (>18 - 41.5) | 305 (12) | 203 (8) | 250 (10) |
| >825 - 1.13 m (>41.5 - 53.5) | 305 - 0 (12 - 0) | 203 (8) | 250 (10) |



WOOD BLOCK-OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

(18,100 (40,000 lbs.) min. breaking strength)
Tighten to taut tension.

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: p:\projects\66p31\CADD\Drawings\DOT 0_csr\District_3\ORR\Project\66P31\CADD\Drawings\66P31-sht-elevation.dgn

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|-----------------------------|------------|-----------|
| USER NAME = timothy.pletsch | DESIGNED - | REVISED - |
| PLOT SCALE = \$SCALE\$ | DRAWN - | REVISED - |
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| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRE-MGS EFFECTIVE 4-1-06
STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06**

SCALE: SHEET OF SHEETS STA. TO STA.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 25

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| VAR. | * | VARIOUS | 20 | 20 |
| | | | CONTRACT NO. 66P31 | |
| | | ILLINOIS | FED. AID PROJECT | |