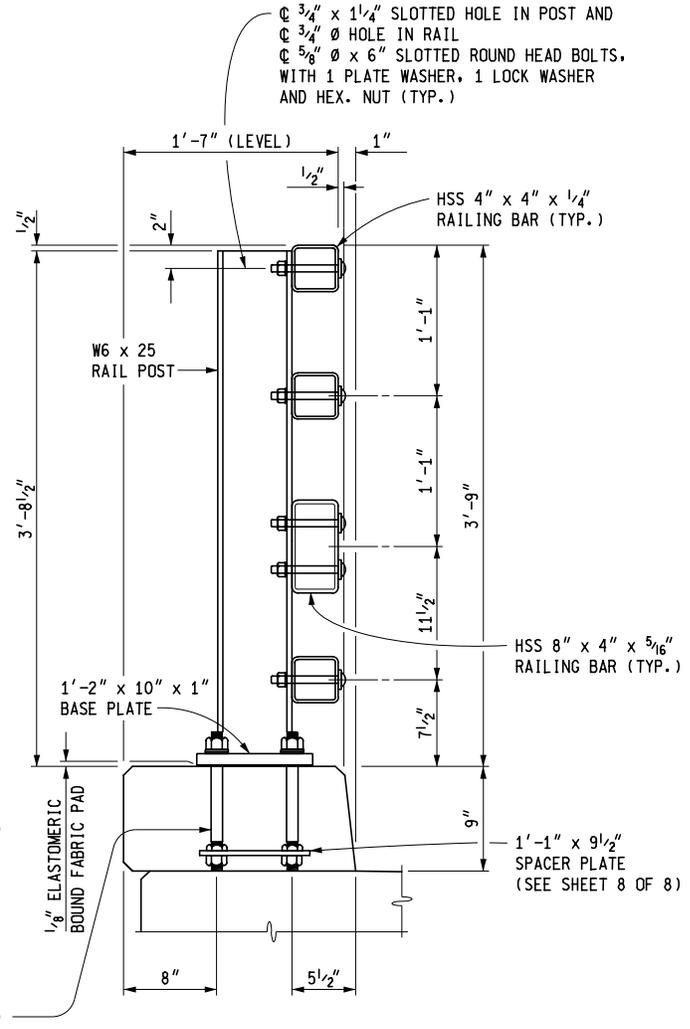
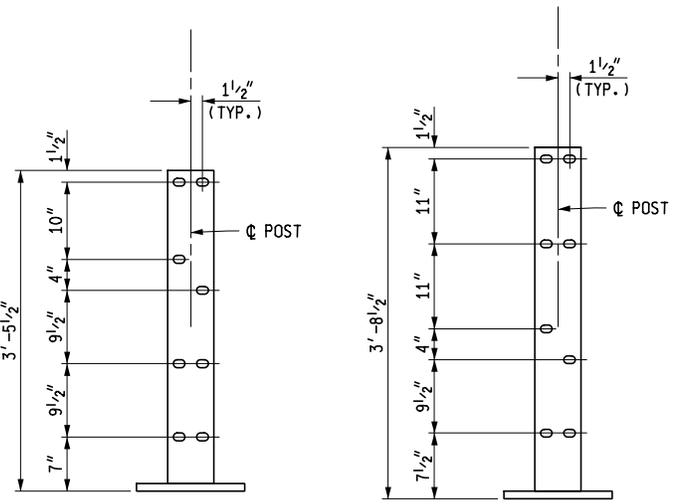


PEDESTRIAN BRIDGE RAILING



BICYCLE BRIDGE RAILING



POST DETAILS

NOTES:
 DETAILS SHOWN ARE ACCORDING TO CURRENT AASHTO SPECIFICATIONS.
 ALL WORK AND MATERIALS SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS.
 THE BICYCLE BRIDGE RAILING SHALL BE USED ONLY WITH THE BRUSH BLOCK SHOWN ON THIS SHEET.
 FOR LIGHT STANDARD ANCHOR BOLT ASSEMBLY DETAILS, SEE STANDARD PLAN B-103-SERIES.
 USE THE HSS $2" \times 2" \times 1/8"$ RAIL AND CORRESPONDING DETAILS ONLY WHEN A SIDEWALK IS LOCATED BEHIND THE 4 TUBE RAILING. SEE SHEETS 2, 3 AND 4.
 ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO INSTALL THE HSS $2" \times 2" \times 1/8"$ RAIL SHALL BE INCLUDED IN THE BID ITEM "BRIDGE RAILING, 4 TUBE".



PREPARED BY
 DESIGN DIVISION
 DRAWN BY: B.L.T.
 CHECKED BY: V.Z.

DEPARTMENT DIRECTOR
 Paul C. Ajegba
 APPROVED BY: Matthew J. Chynoweth
 Matthew J. Chynoweth, P.E. Jul 19 2019 8:43 AM
 DIRECTOR, BUREAU OF BRIDGES AND STRUCTURES
 APPROVED BY: Gregg Brunner
 Gregg Brunner Jul 18 2019 10:53 AM
 DIRECTOR, BUREAU OF FIELD SERVICES
 APPROVED BY: Bradley C. Wiefelich
 Bradley C. Wiefelich Jul 3 2019 10:07 AM
 DIRECTOR, BUREAU OF DEVELOPMENT

MICHIGAN DEPARTMENT OF TRANSPORTATION
 BUREAU OF DEVELOPMENT STANDARD PLAN FOR

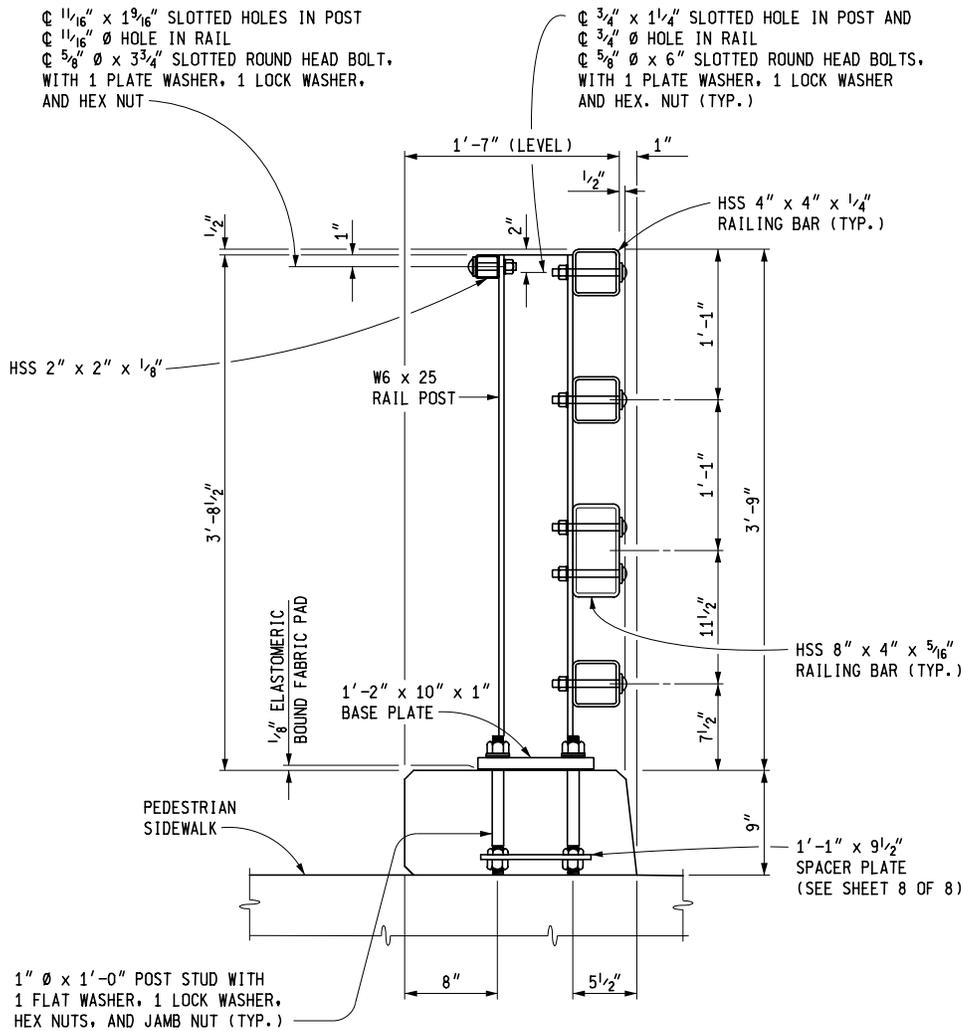
BRIDGE RAILING, 4 TUBE

5-18-2020
 F.H.W.A. APPROVAL

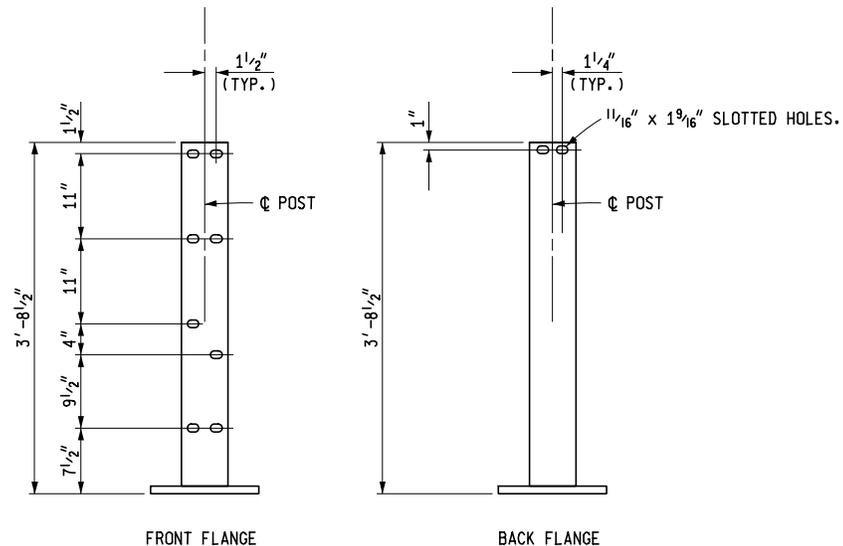
5-22-2018
 PLAN DATE

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SHEET
 1 OF 8



**BICYCLE BRIDGE RAILING
WITH SIDEWALK**

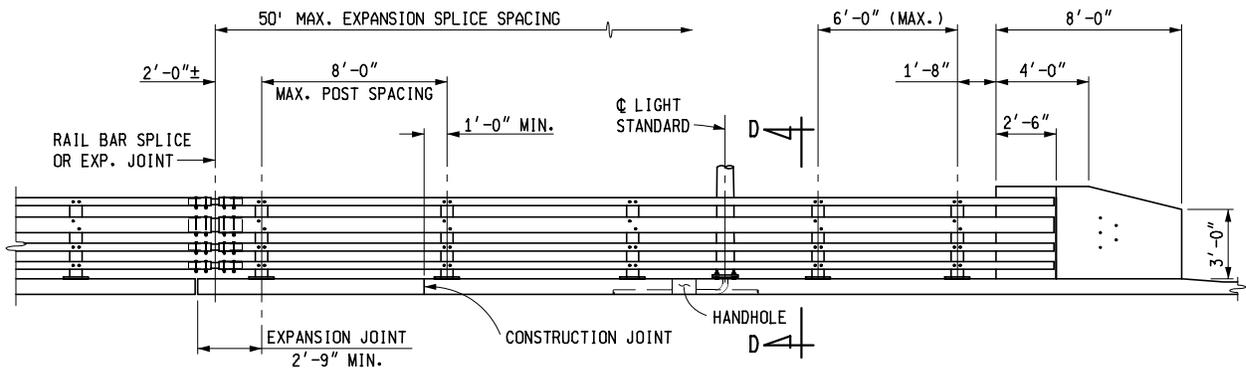


POST DETAILS

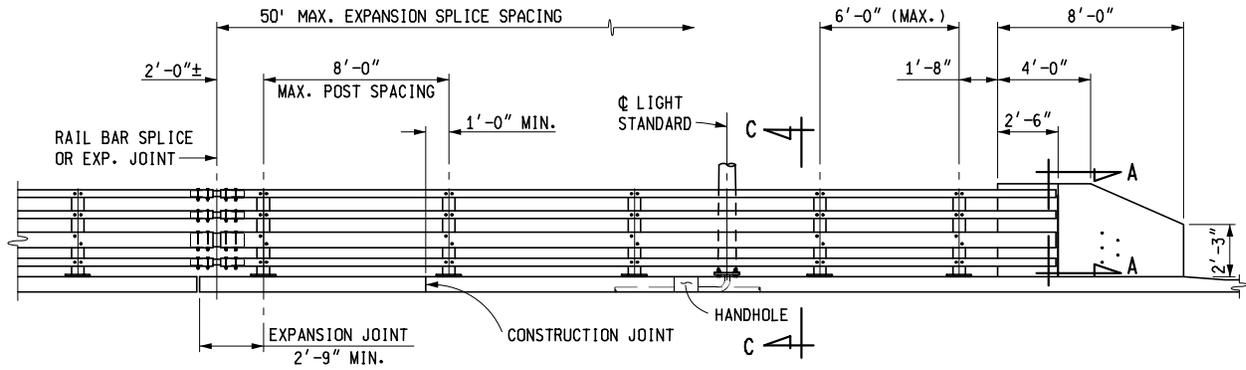
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BUREAU OF DEVELOPMENT STANDARD PLAN FOR

BRIDGE RAILING, 4 TUBE

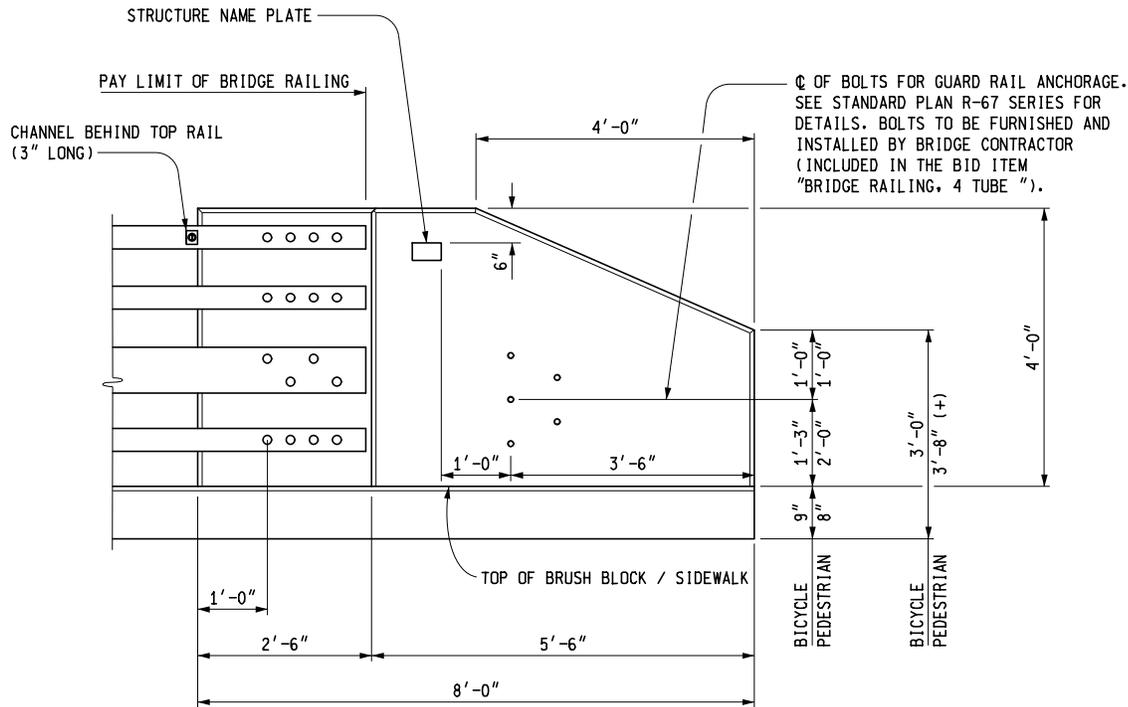
5-18-2020 F.H.W.A. APPROVAL	5-22-2018 PLAN DATE	B-26-F	SHEET 2 OF 8
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PEDESTRIAN RAILING



BICYCLE RAILING



END WALL ELEVATIONS

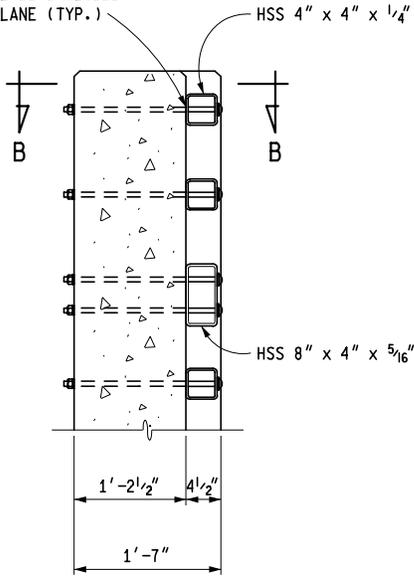
BICYCLE RAILING SHOWN
PEDESTRIAN RAILING SIMILAR

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

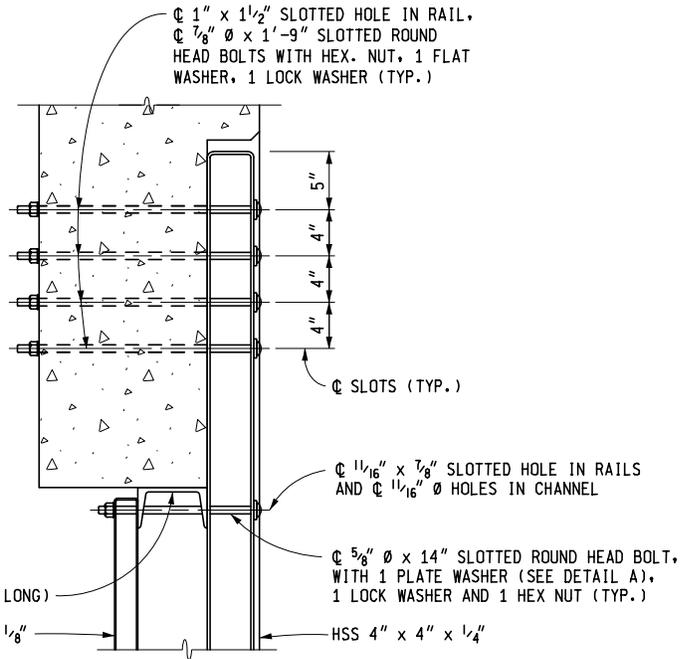
BRIDGE RAILING, 4 TUBE

5-18-2020 F.H.W.A. APPROVAL	5-22-2018 PLAN DATE	B-26-F	SHEET 3 OF 8
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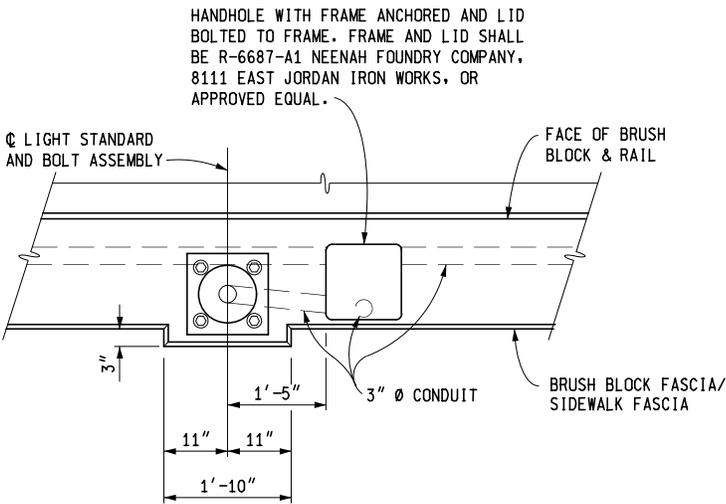
THREADS SHALL BE EXCLUDED FROM SHEAR PLANE (TYP.)



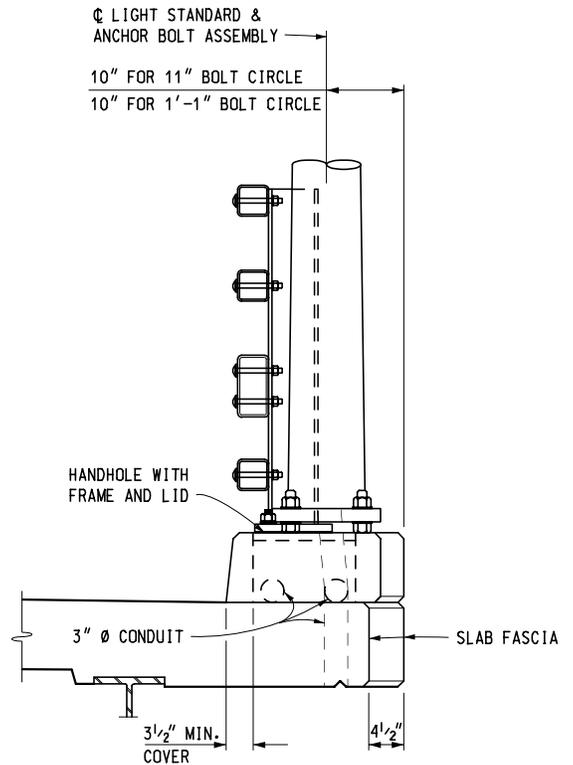
SECTION A-A
BICYCLE RAILING SHOWN
PEDESTRIAN RAILING SIMILAR



SECTION B-B



PLAN VIEW AT LIGHT STANDARD
BICYCLE RAILING



SECTION C-C
BICYCLE RAILING

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

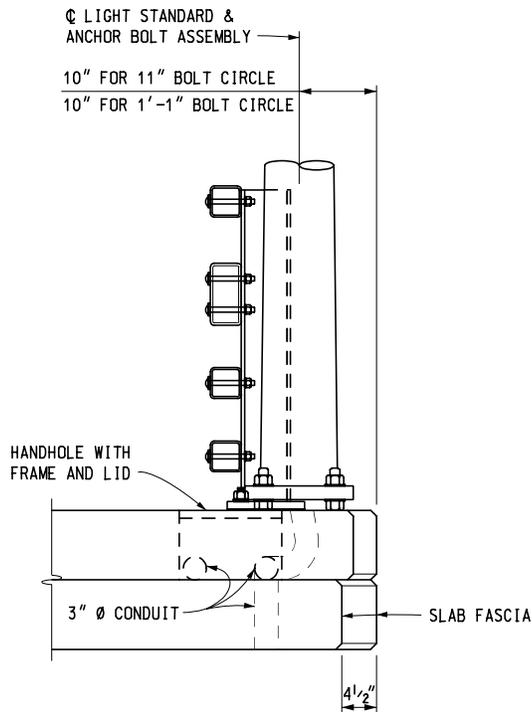
BRIDGE RAILING, 4 TUBE

5-18-2020
F.H.W.A. APPROVAL

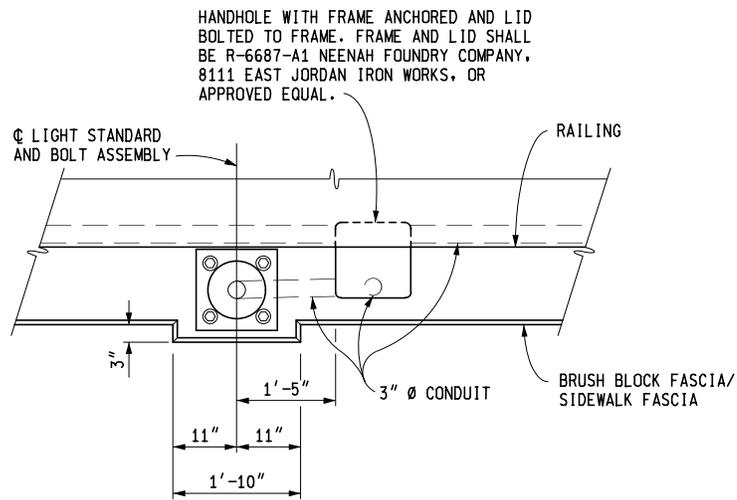
5-22-2018
PLAN DATE

B-26-F

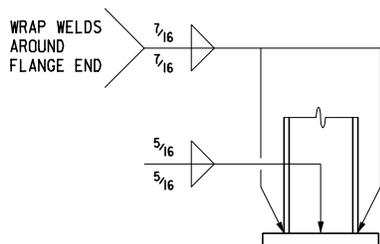
SHEET
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SECTION D-D
PEDESTRIAN RAILING



PLAN VIEW AT LIGHT STANDARD
PEDESTRIAN RAILING



BASE WELD DETAIL

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

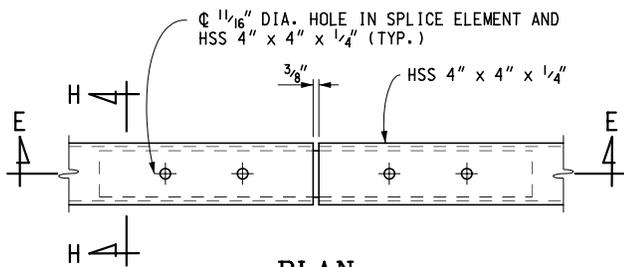
BRIDGE RAILING, 4 TUBE

5-18-2020
F.H.W.A. APPROVAL

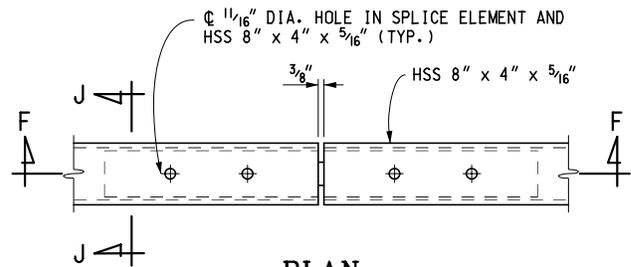
5-22-2018
PLAN DATE

B-26-F

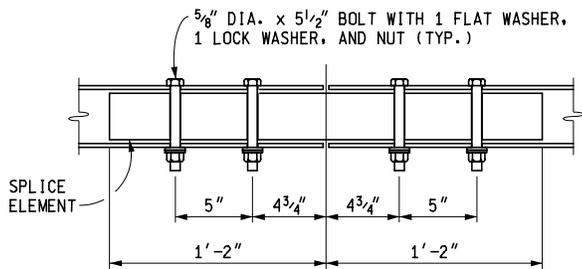
SHEET
5 OF 8



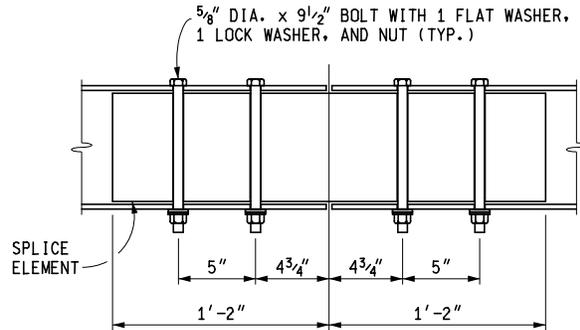
PLAN
HSS 4" x 4" x 1/4"



PLAN
HSS 8" x 4" x 5/16"

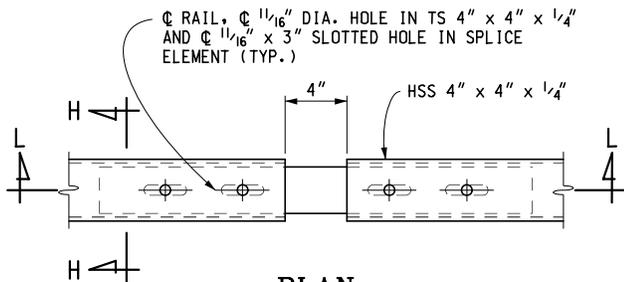


SECTION E-E
HSS 4" x 4" x 1/4"

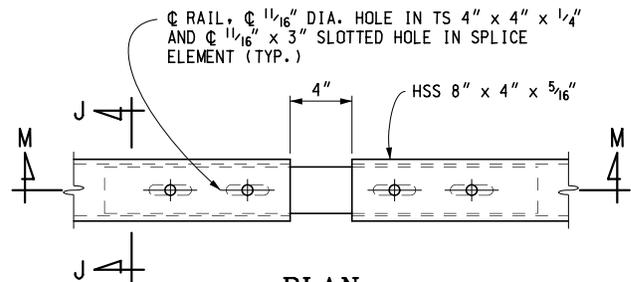


SECTION F-F
HSS 8" x 4" x 5/16"

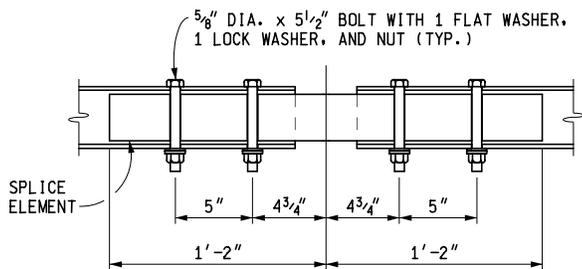
FIXED SPLICE DETAILS



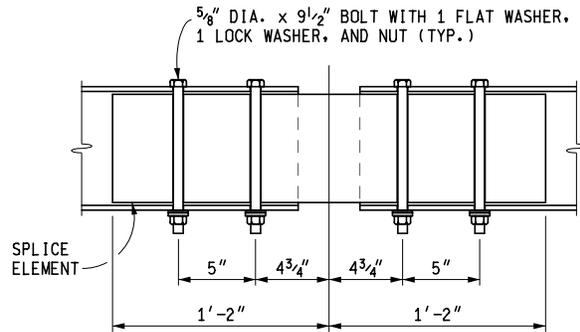
PLAN
HSS 4" x 4" x 1/4"



PLAN
HSS 8" x 4" x 5/16"



SECTION L-L
HSS 4" x 4" x 1/4"



SECTION M-M
HSS 8" x 4" x 5/16"

EXPANSION SPLICE DETAILS

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

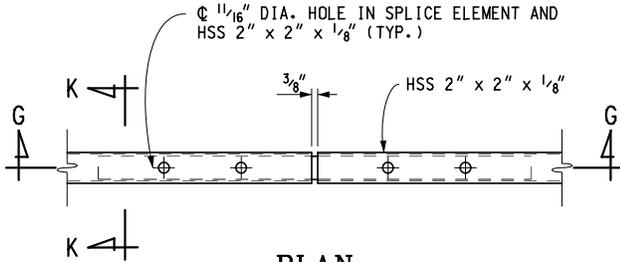
BRIDGE RAILING, 4 TUBE

5-18-2020
F.H.W.A. APPROVAL

5-22-2018
PLAN DATE

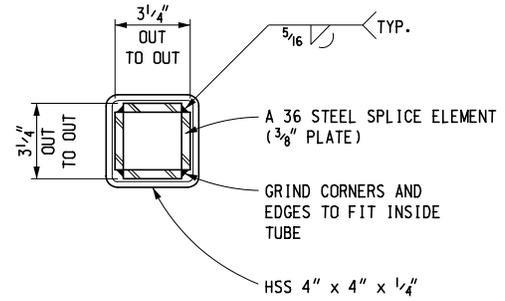
B-26-F

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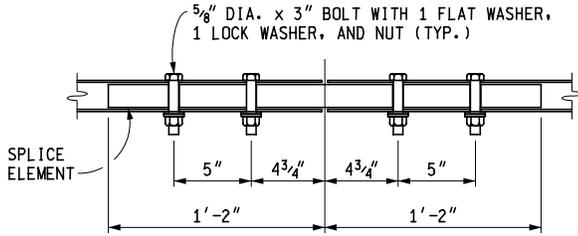


PLAN

HSS 2" x 2" x 1/8"

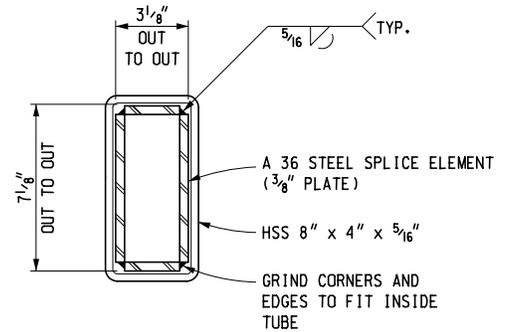


SECTION H-H



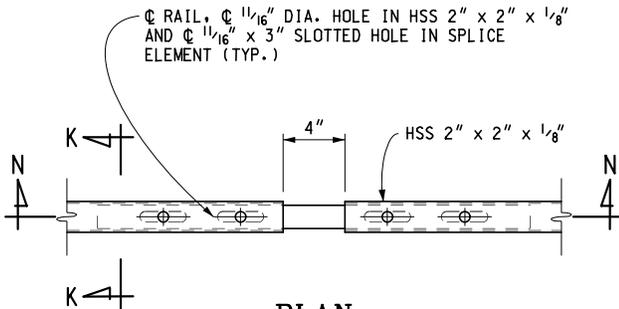
SECTION G-G

HSS 2" x 2" x 1/8"



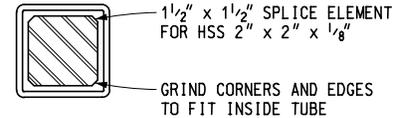
SECTION J-J

FIXED SPLICE DETAILS

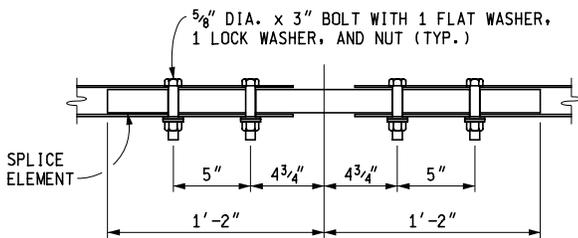


PLAN

HSS 2" x 2" x 1/8"

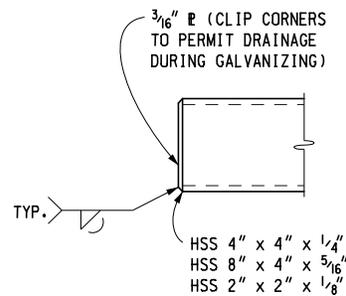


SECTION K-K



SECTION N-N

HSS 2" x 2" x 1/8"



END OF RAIL

EXPANSION SPLICE DETAILS

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

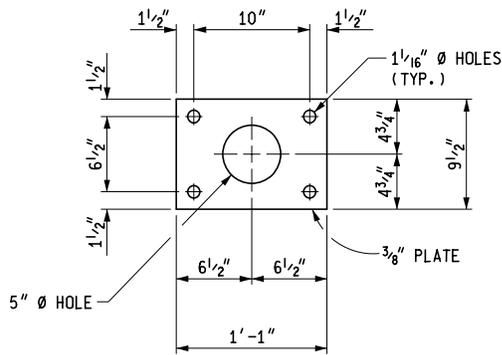
BRIDGE RAILING, 4 TUBE

5-18-2020
F.H.W.A. APPROVAL

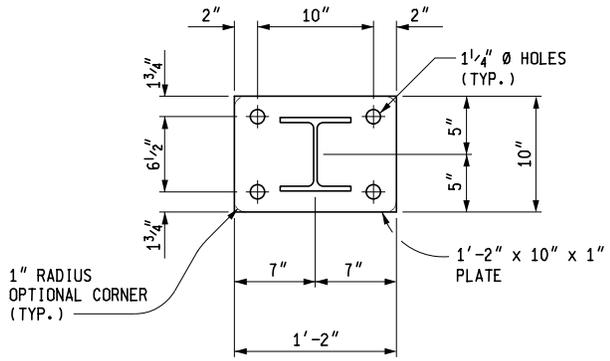
5-22-2018
PLAN DATE

B-26-F

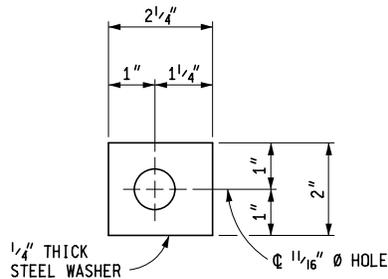
SHEET
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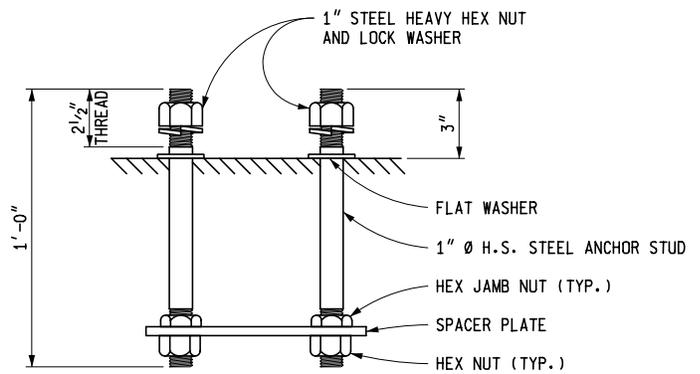
SPACER PLATE PLAN



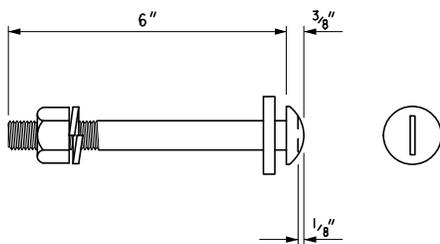
POST & BASE PLATE PLAN



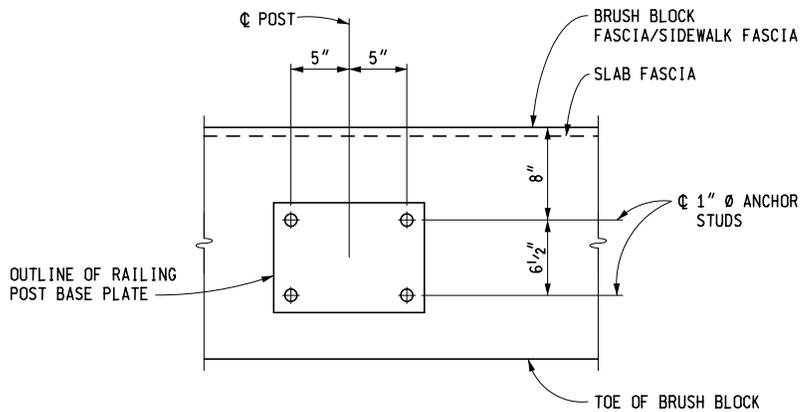
DETAIL A



POST STUD ANCHORAGE



5/8" Ø ROUND HEAD BOLT
WITH PLATE WASHER (SEE DETAIL A),
LOCK WASHER AND HEX NUT



ANCHOR STUD LAYOUT

NOTE: SURFACE UNDER POST IS
TO BE FINISHED LEVEL

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

BRIDGE RAILING, 4 TUBE

5-18-2020
F.H.W.A. APPROVAL

5-22-2018
PLAN DATE

B-26-F

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