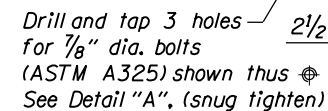
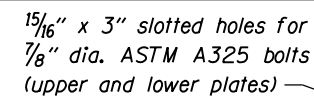
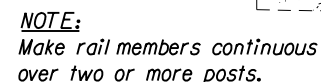


DET3286

*Pay length for retrofit bridge rail
(See Project Plans for rail length & post spacing)*



TRANSITION PLATE DETAIL



2 1/2"

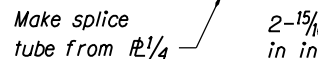
4- 7/8" dia. bolts
(ASTM A325)(drill 1" dia.
holes thru tube) snug tight
with locknuts or jam nuts.

See Transition Plate Detail

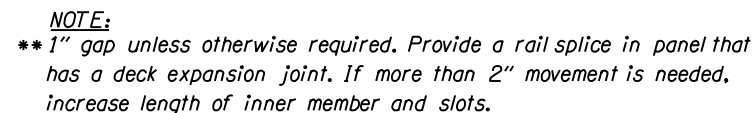
Thrive Beam
Terminal connector

SECTION B-B

GENERAL NOTES:
Provide rail
Provide bolt
Provide and
Provide steel



RAIL SPLICE DETAIL



Provide raillements for the structural tubing according to Oregon Standard Specification 2810.20.
Provide bolt material for resin bonded anchors which conforms to AASHTO M314, Gr. 105.
Provide and install high strength resin bonded anchors according to Oregon Standard Specification 00535.
Provide steel plates conforming to AASHTO M183 (ASTM A36).
Hot-dip galvanize all structural steel including fasteners, after fabrication. Provide structural steel tubing with Galvanize Control Silicon according to Oregon Standard Specification 02530.70.
If existing rail post spacing exceeds 11'-0" contact bridge design section for special design.
These details are intended for use with bridge rails built according to standard drawing nos. 6416, 6436, 6818, 7044, 8417, 9233, 10219, 12457 and 14654. Do not use for other applications without approval of the bridge design section.
Field verify all dimensions before fabrication.



The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION
TECHNICAL SERVICES
DETAILS

RETROFIT FOR STEEL HANDRAIL WITH SIDEWALK RAIL MODIFICATION DETAILS

DETAIL NO.
DET3286