FABRICATION NOTES:
Shop drawings for the fabrication of Bridge Sidewalk Expansion Joint Cover Plate will not require the Engineer's approval if fabrication is in accordance with the details shown on this standard.
A Bridge Sidewalk Expansion Joint Cover Plate Layout which identifies location side of sleeve anchors and orientation of all cover plates must be provided by the Engineer. Mark each sheet section in accordance with the Bridge Sidewalk Expansion Joint Cover Plate Layout. A copy of the Bridge Sidewalk Expansion Joint Cover Plate Layout is to be provided to the Engineer.
Sidewalk expansion joint cover plates must be hot-dipped galvanized slip resistant steel plate. Checker plate or diamond plate is not allowed for slip resistant tape, films and non-metallic coatings.
Minimum required yield strength of steel plate is 36 ksi. Hot-dip galvanize slip resistant steel plate after fabrication in accordance with TxDOT "Galvanizing." Provide stainless steel flat head sleeve anchors meeting the requirements of ASTM F 593, Stainless Steel Countersunk Flat Head Sleeve Anchors in 1/8" slip resistant steel plate. Countersink holes in sidewalk as per sleeve anchor manufacturer's recommendations. Install sleeve anchors flush with or slightly recessed below top surface of sidewalk expansion joint cover plate.

GENERAL NOTES:
Sidewalk expansion joint cover plates can only accommodate up to a 7" maximum expansion joint opening. Details provided are applicable to concrete walkway surfaces only. Payment for sidewalk expansion joint cover plates are to be billed as "Structural Steel" as per Item 442, "Metal for Structures." Estimated weight of one sidewalk expansion joint cover plate is 14 plf.

ACCREDITED SLIP RESISTANT PLATE

Product | Manufacturer Website
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Stainless Steel | www.bounceslip.com
Stainless Steel | www.slipnot.com

Approved Slip Resistant Plate: Suitable materials are by the pound of "Structural Steel" as per Item 442, "Metal for Structures." Estimated weight of one sidewalk expansion joint cover plate is 14 plf. 

SHOWING EXP JOINT

SHOWING LEVEL EXP JOINT

SHOWING UNLEVEL EXP JOINT

SECTION A-A

BEVEL PLATE DETAILS

Top of expansion joint cover plate and edge of expansion joint

Top of expansion joint cover plate (1/8" slip resistant steel plate)

Top of sidewalk

EXP JOINT COVER PLATE BEVEL DETAIL

BENDING DIAGRAM OF EXP JOINT COVER PLATE

DETAILS AND SPECIFICATIONS:

Provide stainless steel flat head sleeve anchors meeting the requirements of ASTM F 593, Stainless Steel Countersunk Flat Head Sleeve Anchors in 1/8" slip resistant steel plate. Countersink holes in sidewalk as per sleeve anchor manufacturer's recommendations. Install sleeve anchors flush with, or slightly recessed below, top surface of sidewalk expansion joint cover plate.

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