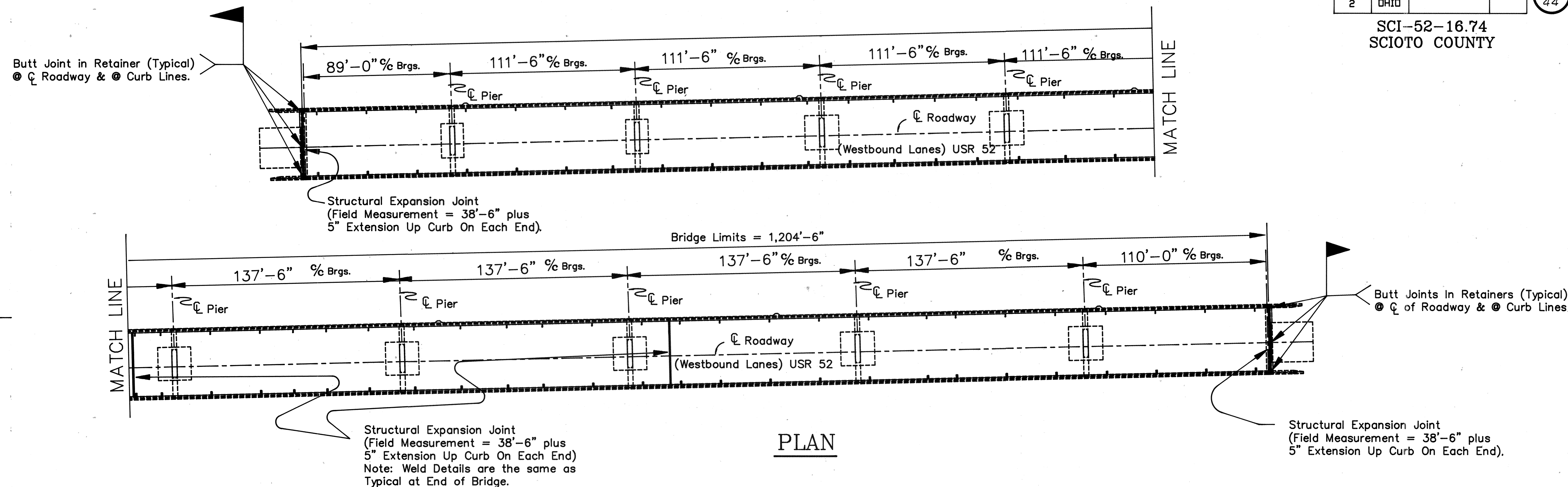




Item Special - Sealing Of Concrete Surfaces (Epoxy)

Curbs / Parapets - $8.47' \times 2 \times 1240.5' \times 1/9 = 2,335$ Sq. Yds.

Epoxy Shall Be Tinted White

Item Special - Superplasticized Dense Concrete Overlay (1-3/4" Thick)

Deck - $1204.5' \times 38.5' \times 1/9 = 5153$ Sq. Yds.
Backwall Areas - $= 15$ Sq. Yds.
TOTAL = 5168 Sq. Yds.

Item Special - Superplasticized Dense Concrete Overlay (Variable Thickness)

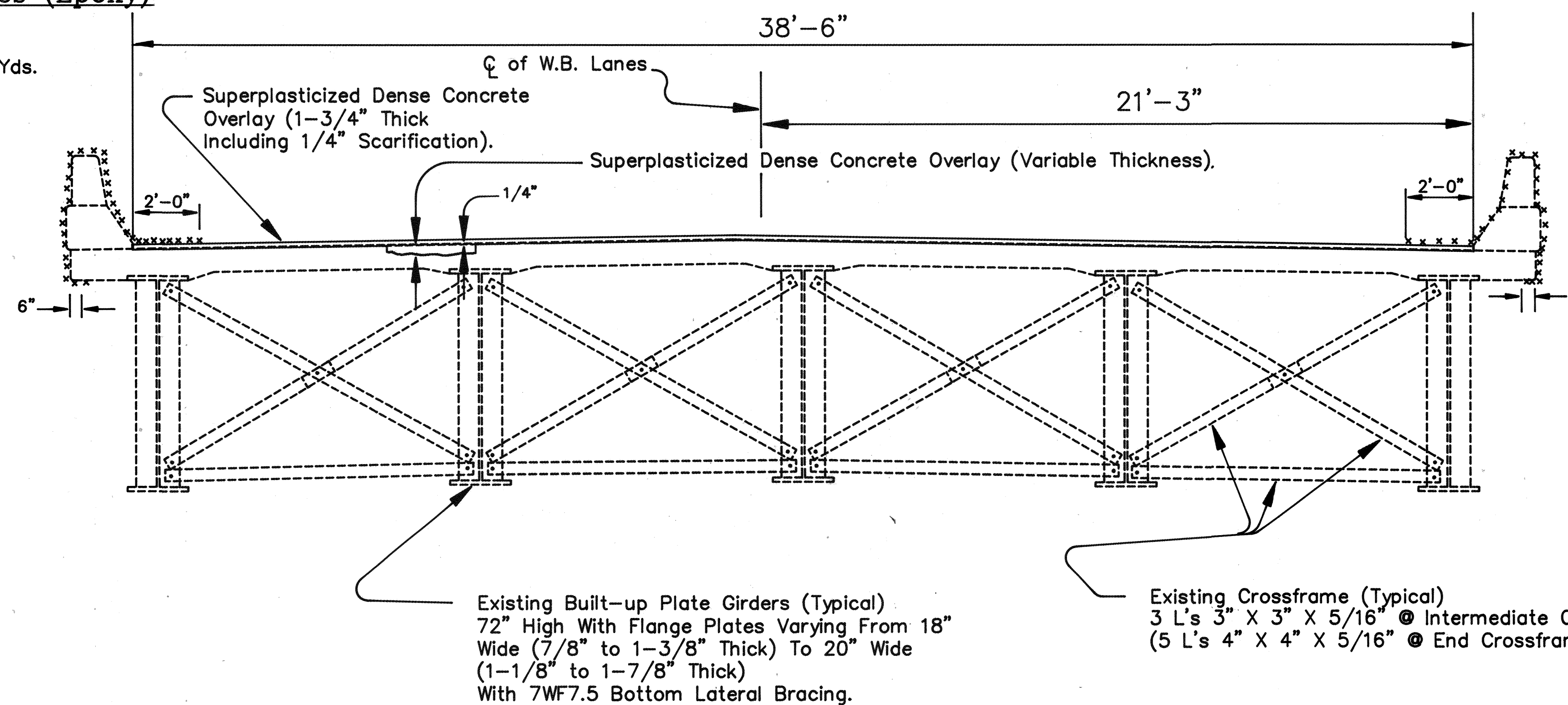
Deck Area - $1204.5' \times 38.5' = 46,373$ Sq. Ft.
4% of Deck is Estimated To Be Bad
 $46,373 \times .04 \times 1/9 = 206$ Sq. Yds.
Avg. Depth is Estimated To Be 4-3/4"
 $206 \times 4.75 \times 1/36 = 28$ Cu Yds.

Field Painting Of Existing Steel

Total No. of Crossframes = 332 + Lateral Bracing
Total No. Of Girders = 5 Lines @ Total Length of 1201'-6" Each @ 9'-3" Spacing
Total No. of Scuppers = 88

Item 516 - Structural Expansion Joints Including Elastomeric Seal, As Per Plan

$(38'-6" + (2 \times 5")) \times 4 = 157'-4"$
Use 157.33 Lin. Ft.



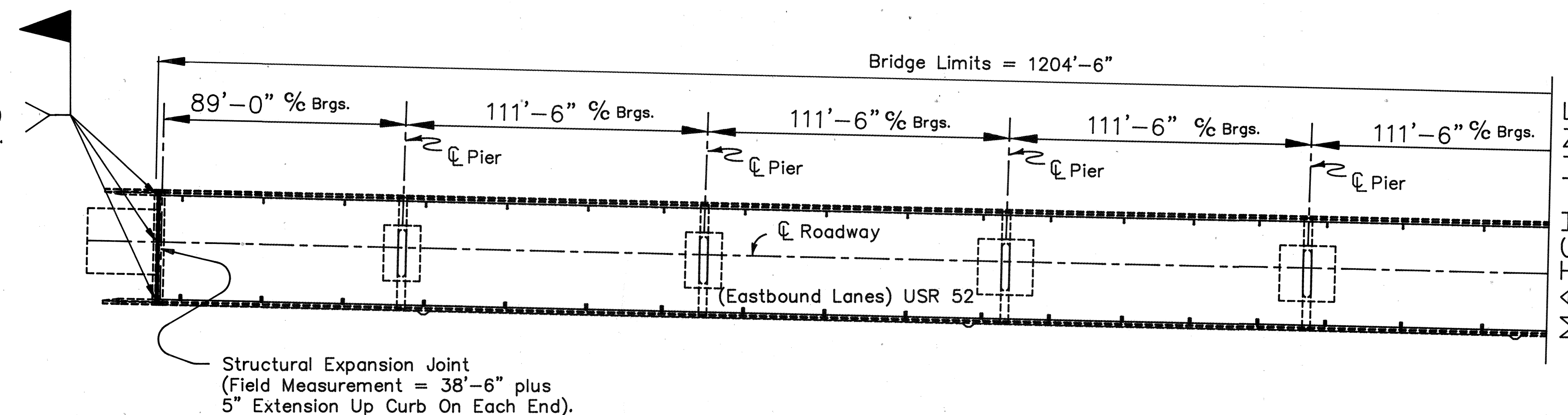
16/19

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 9 BRIDGE OFFICE

GENERAL PLAN
AND
TRANSVERSE SECTION
BRIDGE NO. SCI-52-1881 L
OVER SCIOTO RIVER

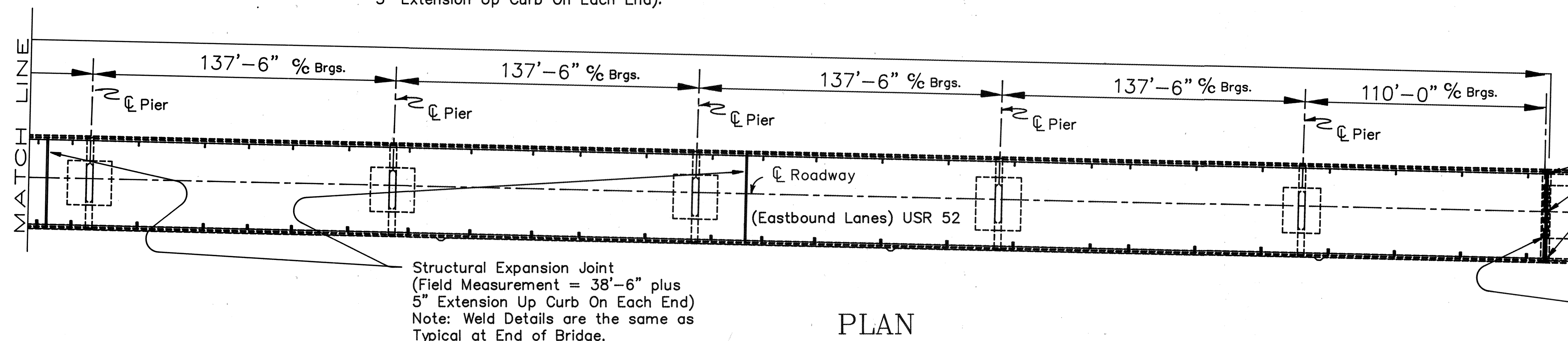
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
MSCRBA	RBA	DAB			9/13/89	

Butt Joints In Retainers (Typical)
@ C of Roadway & @ Curb Lines.



SCIOTO RIVER

Structural Expansion Joint
(Field Measurement = 38'-6" plus
5" Extension Up Curb On Each End).



Butt Joints In Retainers (Typical)
@ C of Roadway & @ Curb Lines.

Structural Expansion Joint
(Field Measurement = 38'-6" plus
5" Extension Up Curb On Each End).

PLAN

Item Special - Sealing Of Concrete Surfaces (Epoxy)

Curbs / Parapets - $8.47' \times 2 \times 1240.5' \times 1/9 = 2,335$ Sq. Yds.

Epoxy Shall Be Tinted White

Item Special - Micro-Silica Modified Concrete Overlay (1-3/4" Thick)

Deck - $1204.5' \times 38.5' \times 1/9 = 5153$ Sq. Yds.
Backwall Areas - $\frac{15}{15}$ Sq. Yds.
TOTAL = 5168 Sq. Yds.

Item Special - Micro-Silica Modified Concrete Overlay (Variable Thickness)

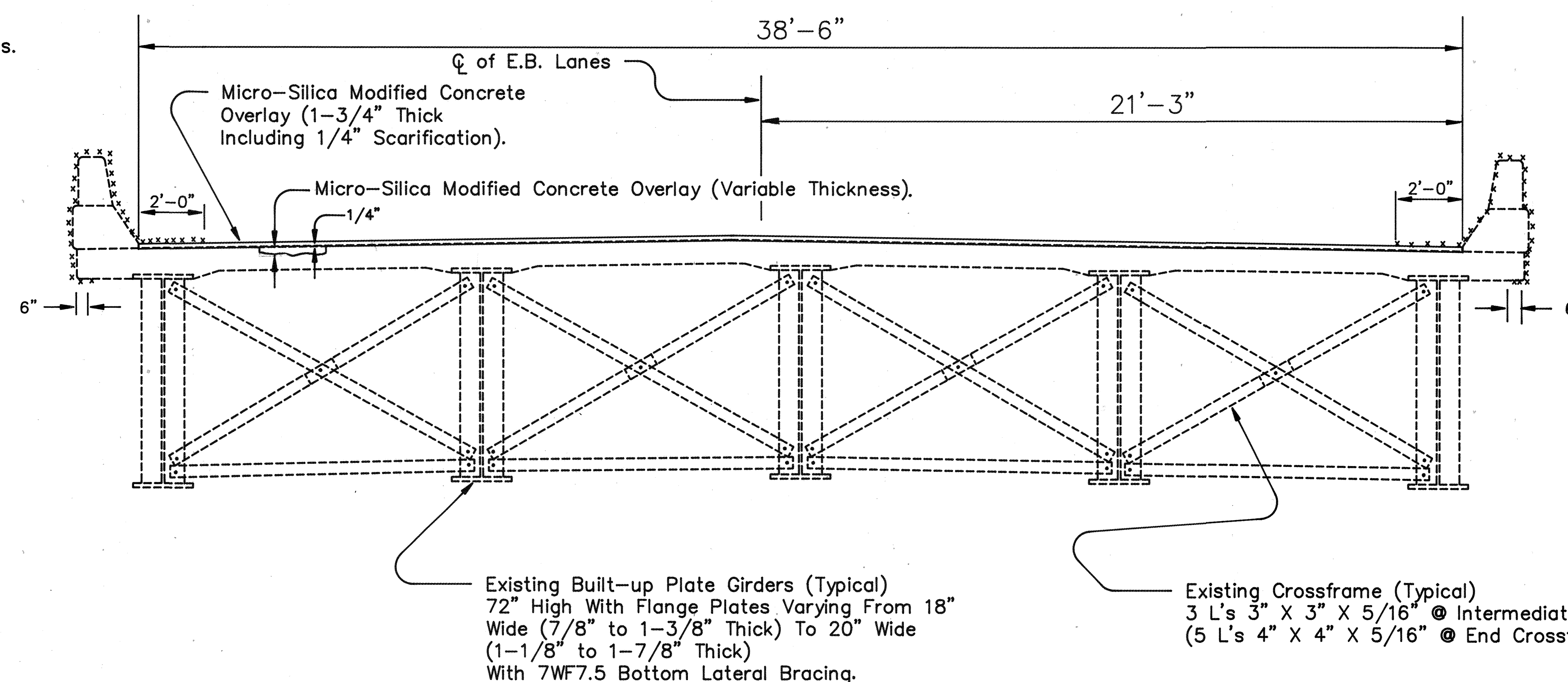
Deck Area - $1204.5' \times 38.5' = 46,373$ Sq. Ft.
5% of Deck is Estimated To Be Bad
 $46,373 \times .05 \times 1/9 = 258$ Sq. Yds.
Avg. Depth is Estimated To Be 4-3/4"
 $258 \times 4.75 \times 1/34 = 34$ Cu. Yds.

Field Painting Of Existing Steel

Total No. of Crossframes = 332 + Lateral Bracing
Total No. of Girders = 5 Lines @ Total Length of 1201'-6" Each @ 9'-3" Spacing
Total No. of Scuppers = 88.

Item 516 - Structural Expansion Joints Including Elastomeric Seals, As Per Plan

$(38'-6" + (2 \times 5")) \times 4 = 157'-4"$
Use 157.33 Lin. Ft.

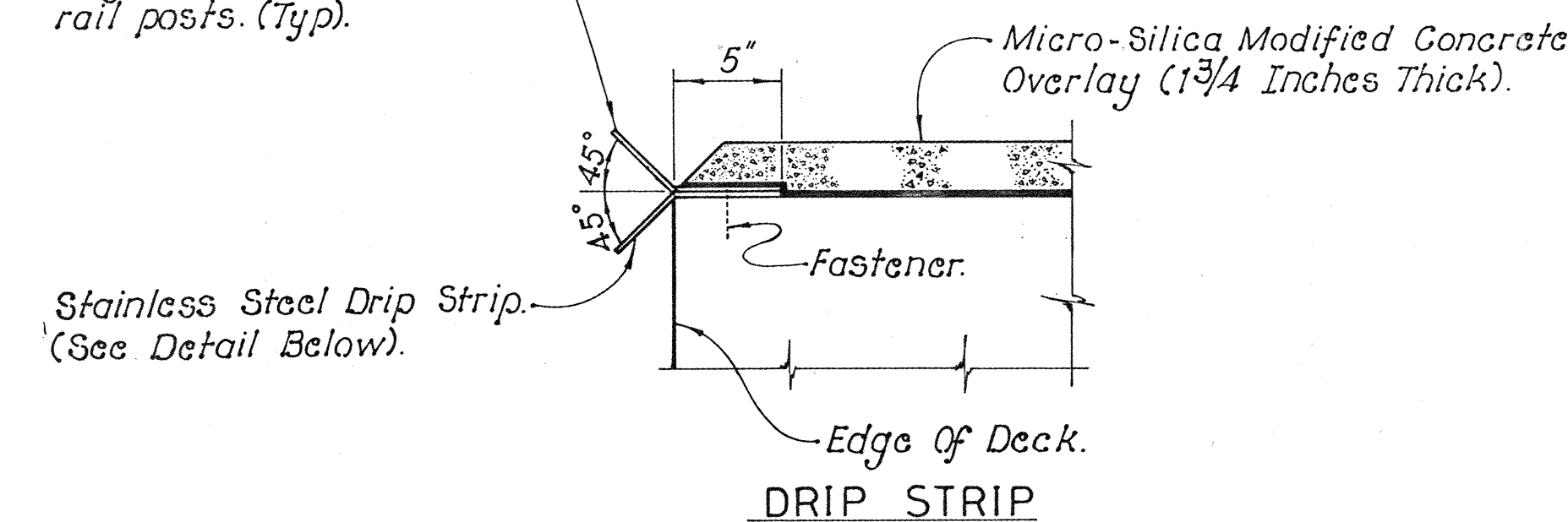


X-Surface To Be
Sealed (Epoxy) (Typical)

TRANSVERSE SECTION
EASTBOUND

STATE OF OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 9 BRIDGE OFFICE					
GENERAL PLAN AND TRANSVERSE SECTION BRIDGE NO. SCI-52-1881 R OVER SCIOTO RIVER					
DESIGNED MSCRBA	DRAWN RBA	TRACED DAB	CHECKED DAB	REVIEWED A. W. W. 9/14/89	DATE 9/14/89

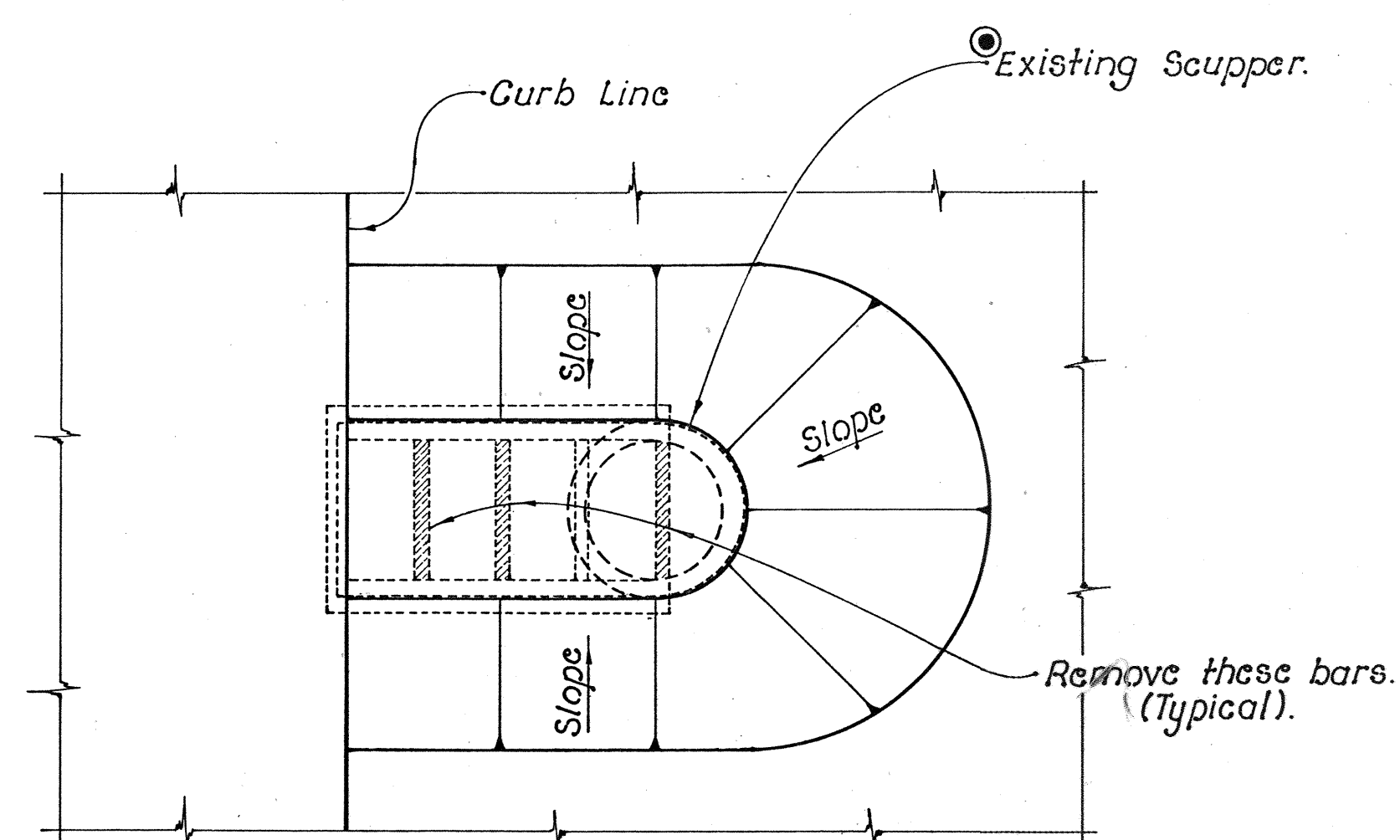
Additional drip strip 12" long, centered at all guard-rail posts. (Typ).



STEEL DRIP STRIP

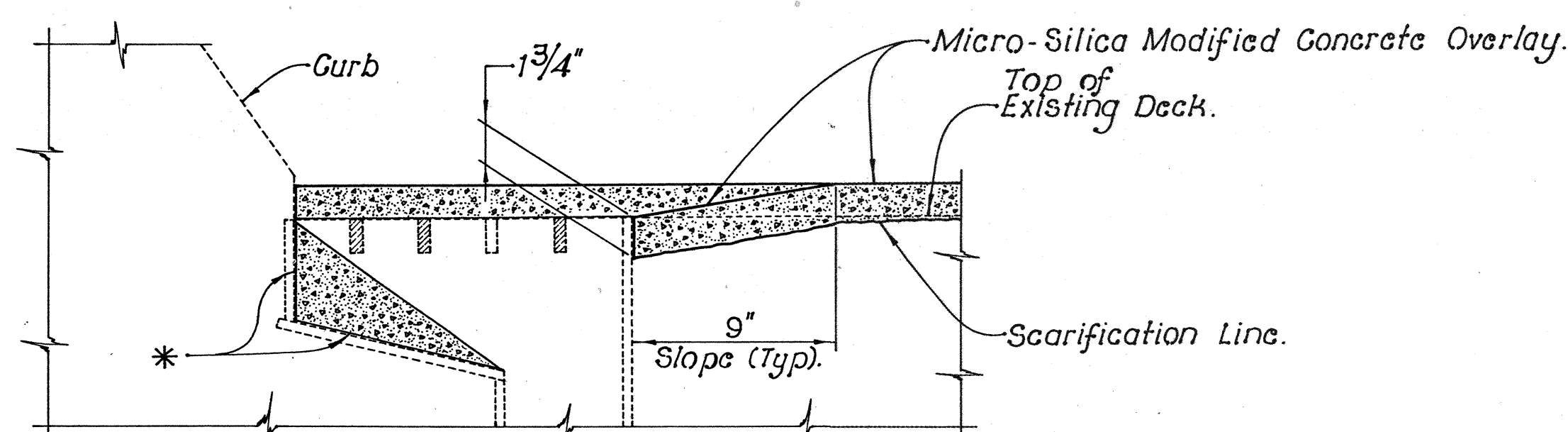
After the deck is scarified and before the concrete overlay is placed, a steel drip strip, as detailed, shall be installed along the full length of the lower side of the bridge. The strip shall be fastened at 3" c/c maximum with power driven pins or No. 10 galvanized screws and expansion anchors. Where splices are required, the individual pieces shall be butted tightly together, not lapped. Steel for galvanized strips shall meet requirements of ASTM A568 with galvanizing in accordance with 711.02. Stainless steel shall be 20 gauge ASTM A167, type 304, mill finish.

The final pay quantity shall be the actual overall length of the drip strip. Additional strips at posts shall not be measured for payment. Payment shall be at the contract price bid for Item Special, Lin. Ft. Steel Drip Strip, which shall include all materials, labor, tools and incidentals necessary to complete the item.



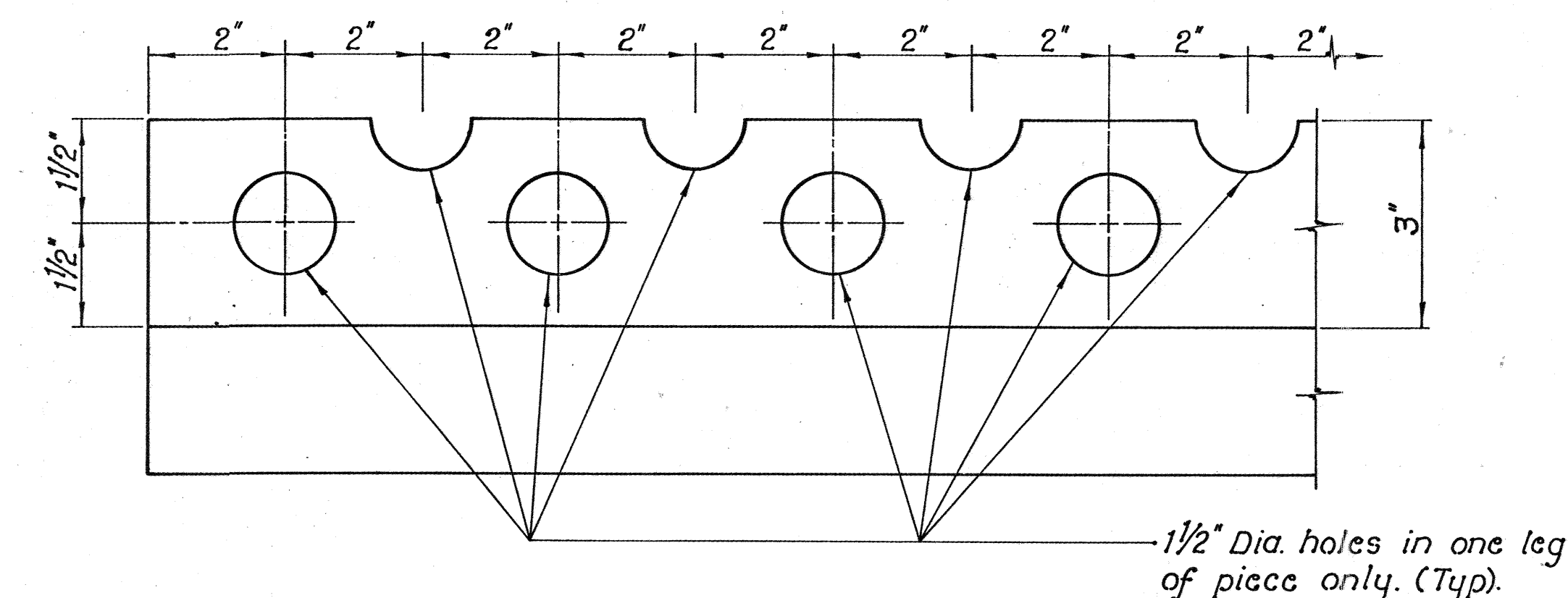
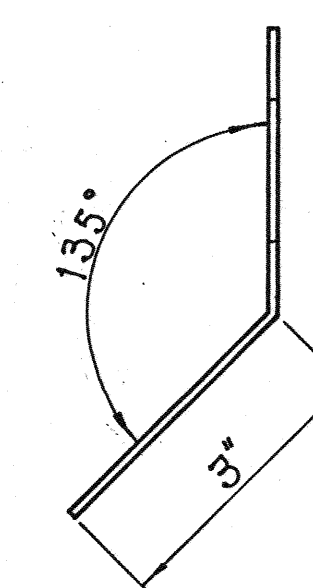
SCUPPER PLAN

Typical Overlay Details At Scuppers.
● Scuppers as found may be reversed 180° or of another type than that shown.

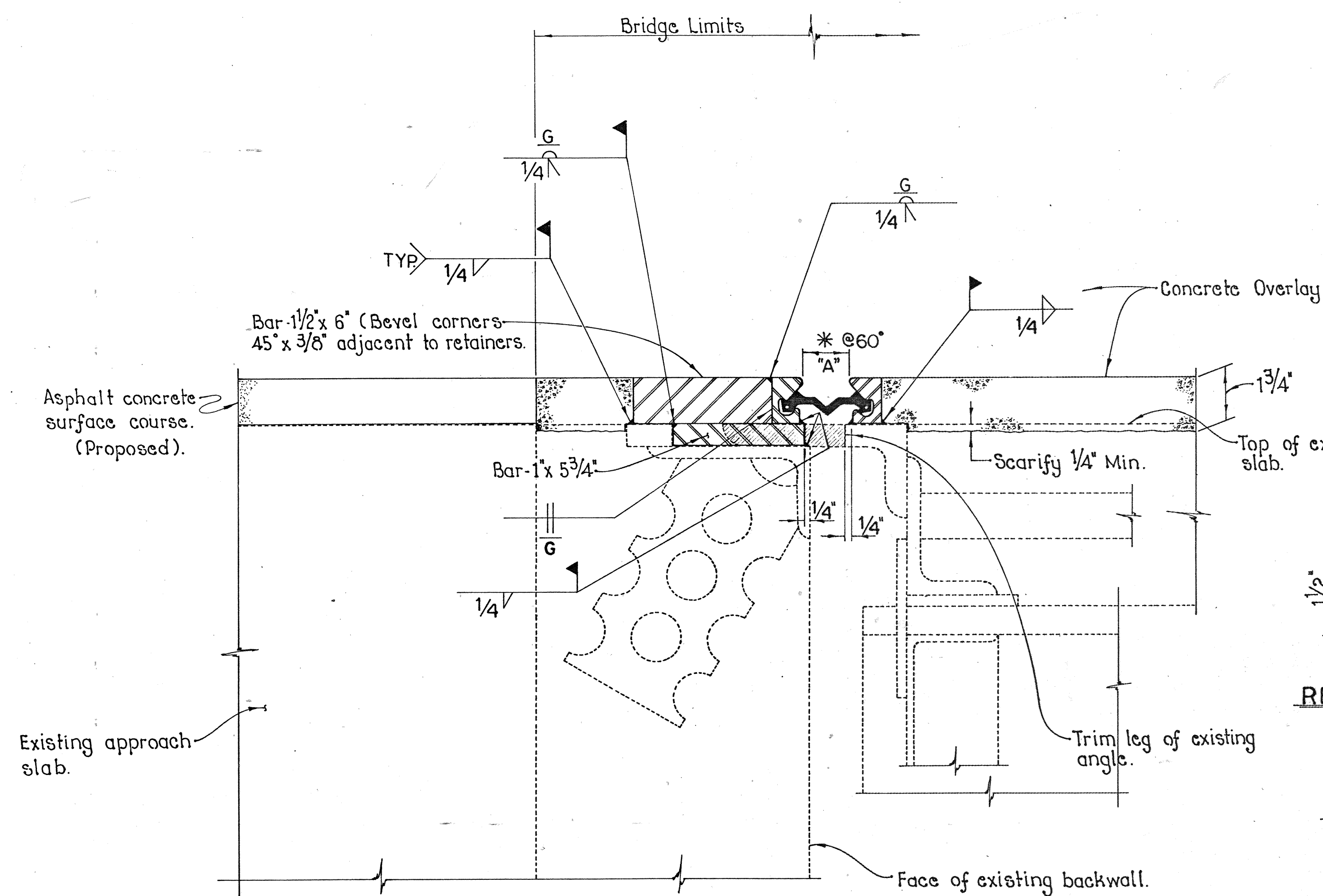


SECTION A-A

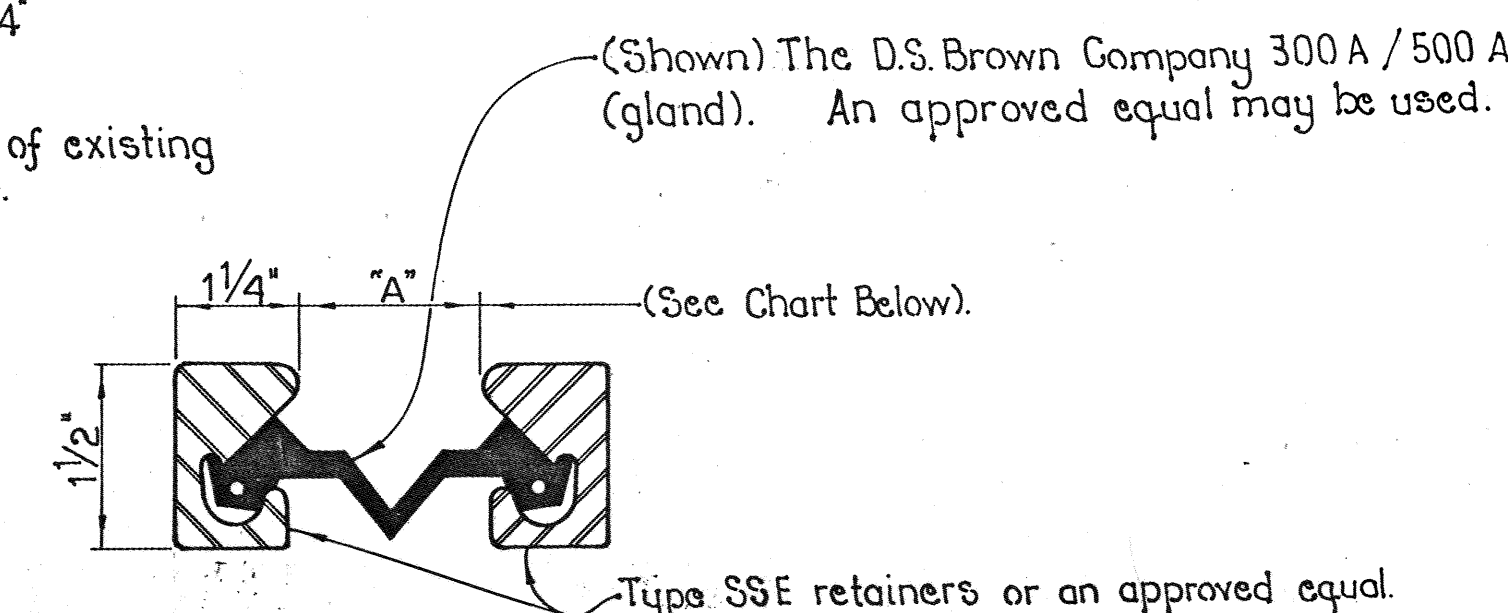
* Sandblast areas of scuppers and fill with Type II patching material as detailed. Payment for the bar removal, sand-blasting, and placement of the concrete wedges shall be included for payment with Item 518, Scupper Modification, as per plan. This includes all materials, labor, tools, and incidentals necessary to complete the above work.



STEEL DRIP STRIP DETAIL



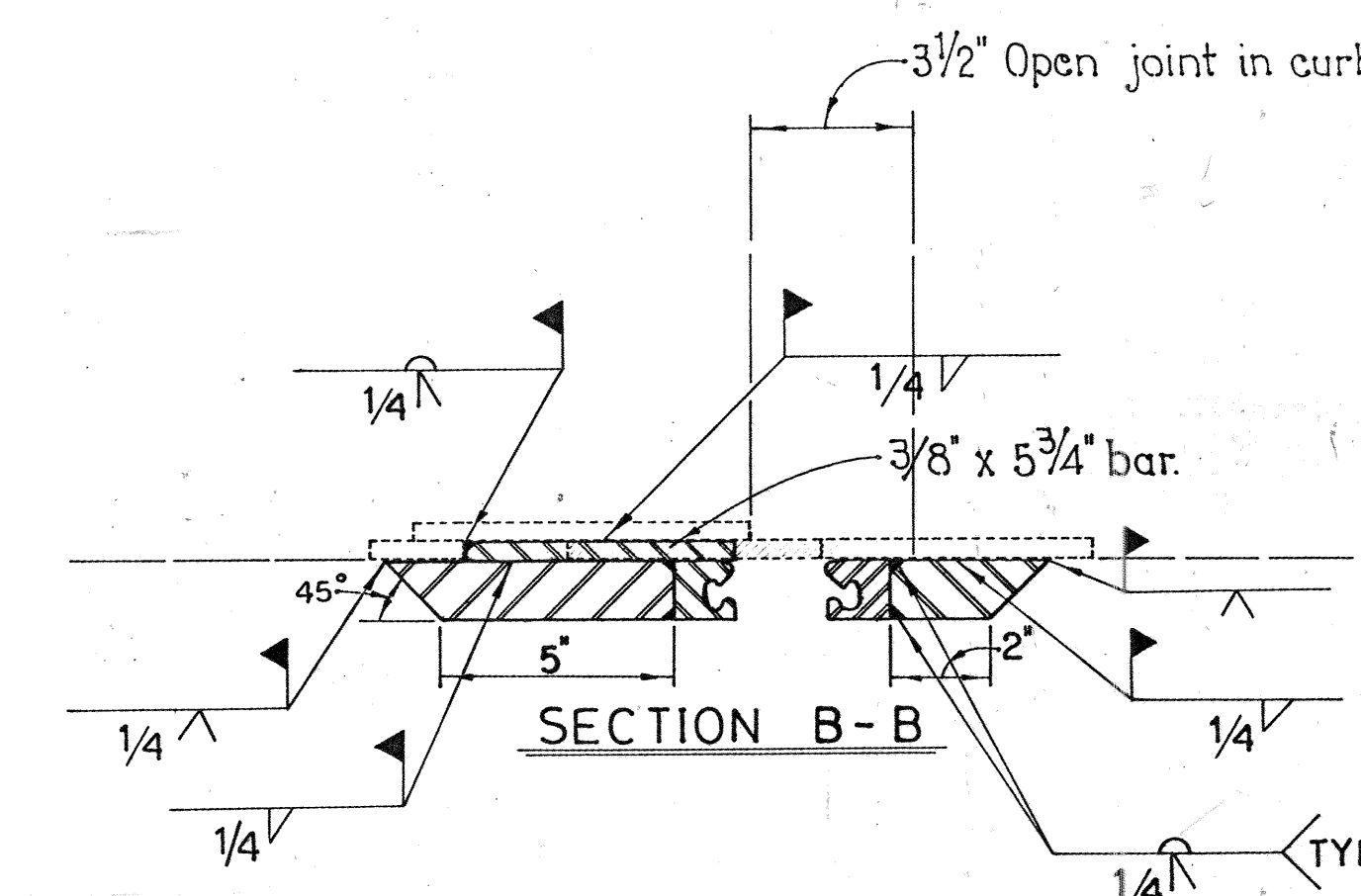
TYPICAL END FINISH DETAIL AT ABUTMENTS
AND AT HINGE ROLLERS



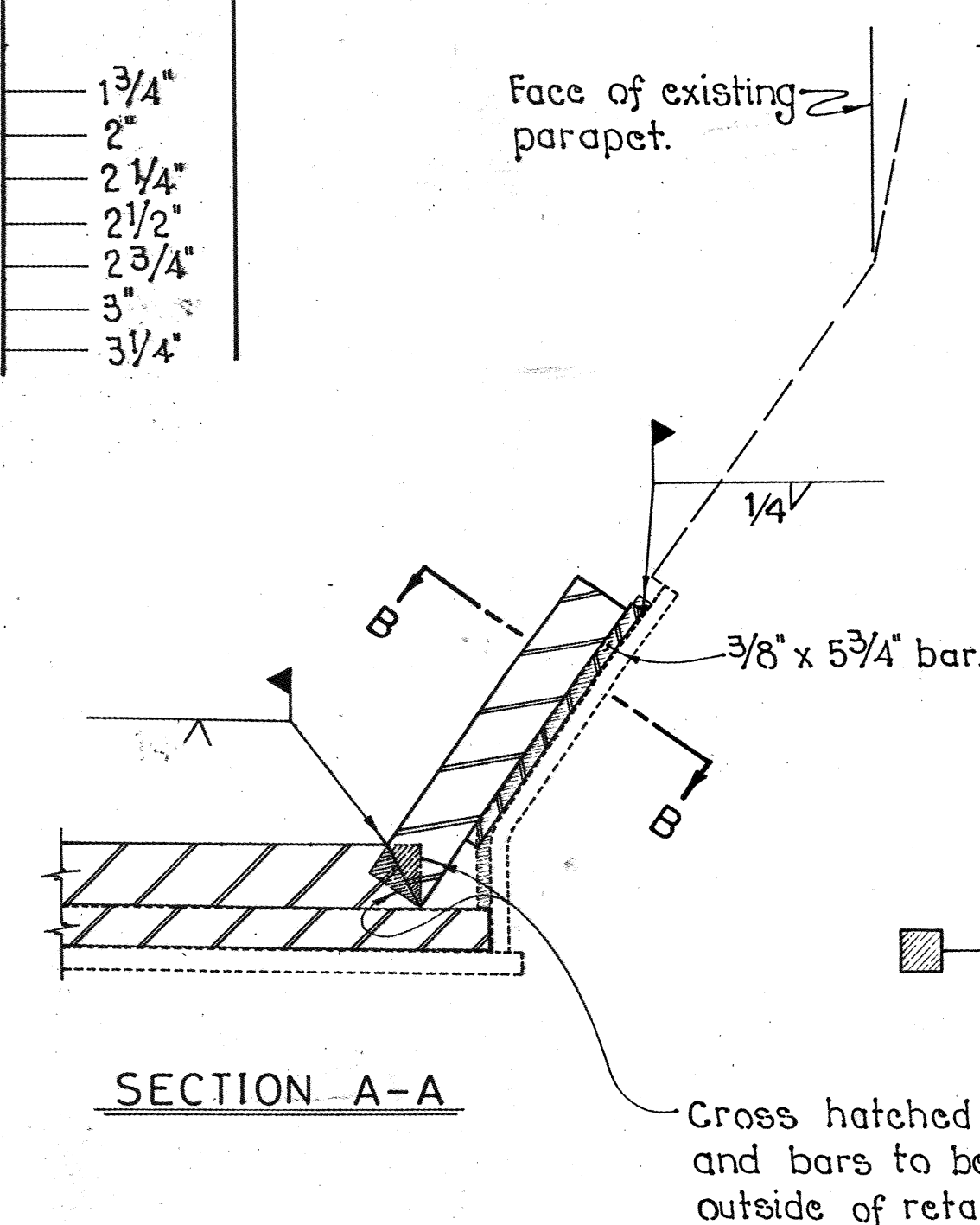
RETAINER DETAIL (TYP)

Ambient (°F) Temperature	JOINT MOVEMENT RATING = 3"	OPENING MOVEMENT RATING = 5"
	300 A Dim. "A"	500 A Dim. "A"
90	1 5/8"	1 3/4"
80	1 3/4"	2"
70	1 7/8"	2 1/4"
* 60	2"	2 1/2"
50	2 1/8"	2 3/4"
40	2 1/4"	3"
30	2 3/8"	3 1/4"

Note:
For additional details see Standard Drawing
SD-1-69 dated 6-12-69.



CURB PLATE DETAILS



SECTION A-A

■ Removal Areas.

Cross hatched areas of retainers
and bars to be field cut to fit. Weld
outside of retainer only.

STATE OF OHIO						19 / 19
DEPARTMENT OF TRANSPORTATION						
DISTRICT 9 BRIDGE OFFICE						
STRUCTURAL EXPANSION JOINTS INCLUDING ELASTOMERIC STRIP SEALS - DETAILS.						
BRIDGE No. (VARIOUS)						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
U.S.E.	U.S.E.	U.S.E.	D.B.	Theresa A. Wells	9/16/89	