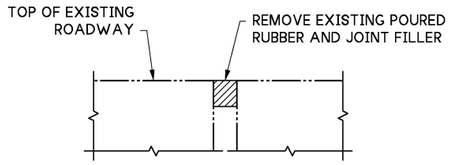
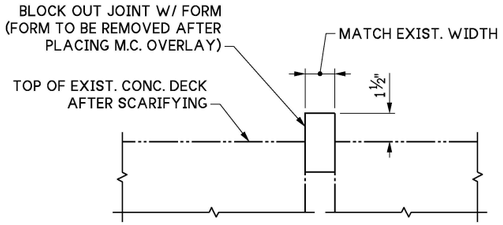


SECTION A (--)
CONSTR. STEP 1
EXIST. EXP. JT.



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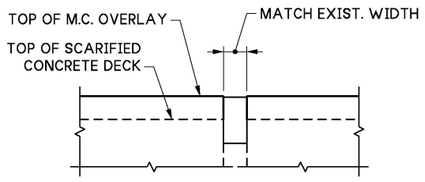
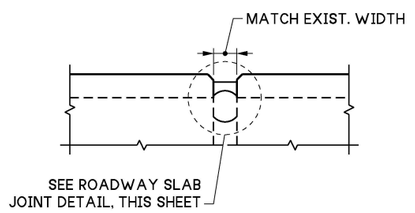
CONSTR. STEP 4



SECTION A (--)
CONSTR. STEP 5

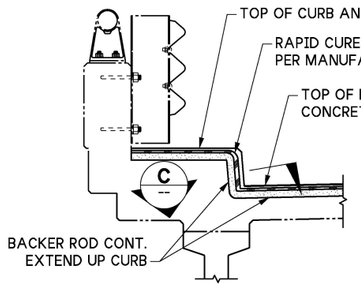


SECTION A (--)
CONSTR. STEPS 6-9

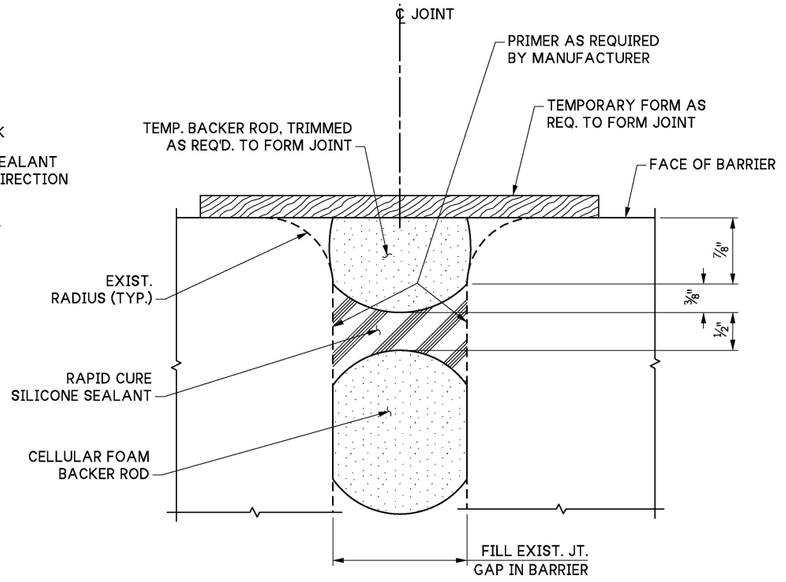
CONSTRUCTION STEPS:

1. REMOVE EXISTING POURED RUBBER & JOINT FILLER MATERIAL FROM EXPANSION JOINT.
2. CLEAN SIDES AND BOTTOM OF JOINT OPENING TO CLEAN AND SOUND CONCRETE.
3 BLOW JOINT OPENING WITH OIL-FREE COMPRESSED AIR TO REMOVE LAITANCE AND DEBRIS FROM REMOVAL OPERATIONS.
4. PLACE FORM IN EXISTING JOINT OPENING TO A HEIGHT LEVEL WTIH THE FINAL ROADWAY ELEVATION.
5. PLACE MODIFIED CONCRETE OVERLAY TO FINAL ROADWAY ELEVATION.
6. REMOVE FORM FROM JOINT OPENING AND LIGHTLY SANDBLAST TO REMOVE ALL RESIDUE.
7. PLACE AN APPROPRIATELY SIZED BACKER ROD TO THE CORRECT DEPTH IN JOINT OPENING IN ACCORDANCE WITH SEALANT MANUFACTURER'S DIRECTIONS.
8. PLACE RAPID CURE SILICONE SEALANT IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.

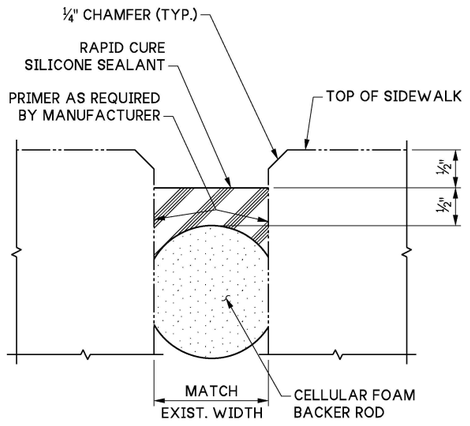
NOTE TO DESIGNER:
CONSTRUCTION STEPS ARE FOR USE WHEN APPLYING A MODIFIED CONCRETE OVERLAY ONLY.



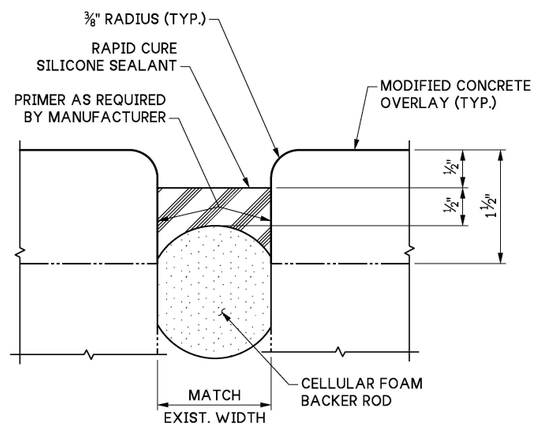
SECTION B (??)
RETROFIT AT CURB AND SIDEWALK



SECTION C (--)
EXP. JT. MODIFICATION AT EXIST. BARRIER OR CURB



EXPANSION JOINT DETAIL
EXPANSION JOINT MODIFICATION AT SIDEWALK



EXPANSION JOINT DETAIL
EXPANSION JOINT MODIFICATION AT ROADWAY SLAB

LAST REVISED: 09/05/2025

9.1-A3-1

FILE NAME 9.1-A3-1_Silicone Seal.dgn				REGION NO. 10 / STATE WASH
BRIDGE DES. ENG.				JOB NUMBER
BRIDGE PROJ. ENG.				
SUPERVISOR				
DESIGNED BY				CONTRACT NO.
CHECKED BY				
ENTERED BY				
PRELIM. PLAN BY				
ARCH. / SPEC.	REVISION	DATE	BY	

WSDOT
PRELIMINARY PLAN
NOT FOR CONSTRUCTION

SEE CERTIFICATION SHEET DATE
STAMP BOX

SEE CERTIFICATION SHEET DATE
STAMP BOX

STANDARD DESIGN DRAWINGS
EXPANSION JOINTS

SILICONE SEAL EXPANSION JOINT DETAILS

PLAN REF NO

SHEET OF SHEETS

PLOT DATE: 07-Jan-2026 PLOT TIME: 9:16:30 AM PLOTTED BY: deboejak FILE PATH: pw://projectstore.wsdot.wa.gov:WSDOT/Documents/_HQ/Bridge & Structures/Bridge Design/_Design Standards/Standard Drawings and Details/Expansion Joints/_DGN/9.1-A3-1_Silicone Seal.dgn