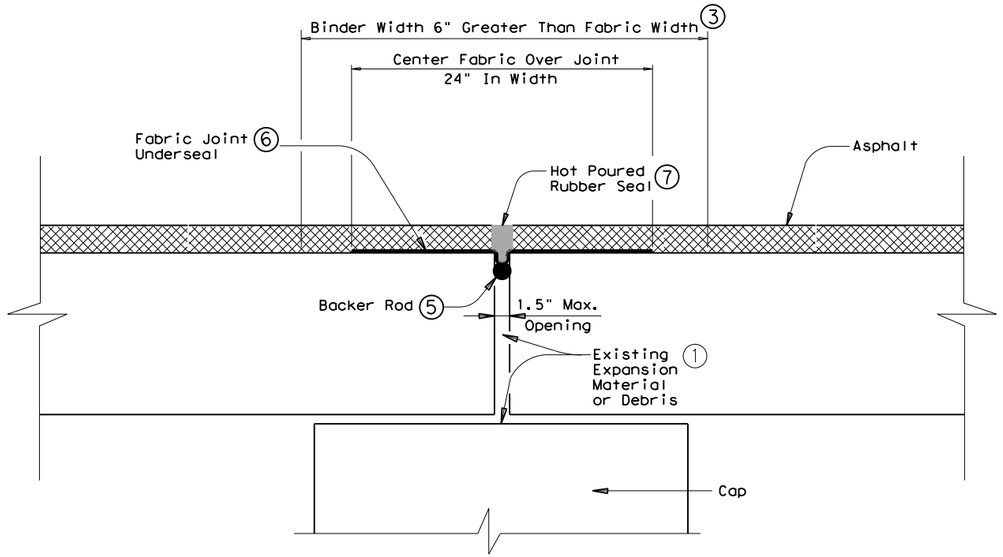
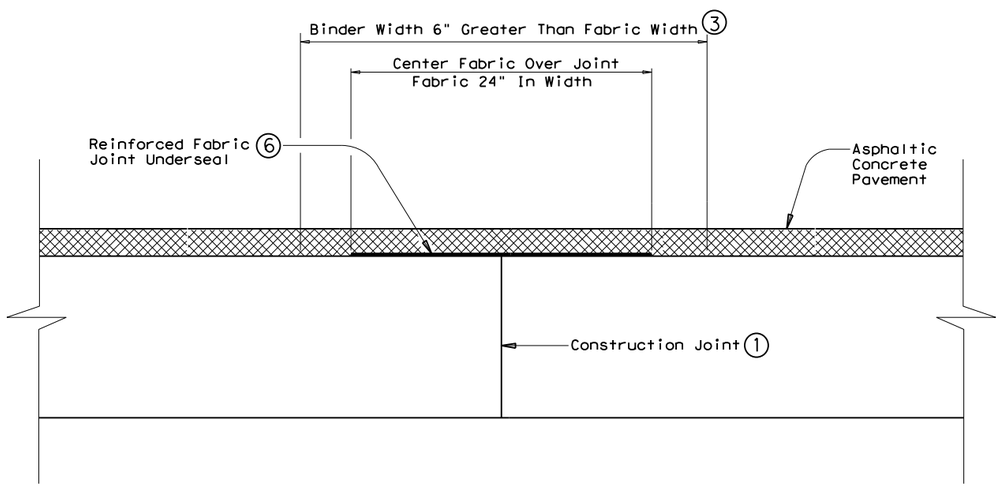


FABRIC UNDERSEAL AT EXPANSION JOINT

Alternate system is recommended if spacing between joints exceeds 100'.



FABRIC UNDERSEAL AT CONSTRUCTION JOINT

NOTE:

Expansion and Construction Joints

1. Prior to placement of the fabric joint underseal, clean joint of all bituminous materials, dirt, grease and all other deleterious materials. Joint openings will be cleaned of all old expansion materials and devices in accordance with Item 438, "Cleaning and Sealing Joints and Cracks."

2. Repair any significant spalled or cracked areas, as determined by the Engineer, with an approved concrete repair material.

3. Place tack coat or binder on the surface of deck and on top of fabric as required by the fabric joint underseal manufacturer's installation instructions. A tack coat is required on the surface of deck if it has been milled.

4. When using the self-adhesive type fabric underseal, pressure roll fabric joint underseal to improve adhesion.

Expansion Joints

5. Install backer rod before placing tack coat. The backer rod will be 25% larger than the opening and placed 1" below the concrete surface.

6. Tuck fabric down approximately 1" into the joint opening. Install underseal in accordance with manufacturer's recommendations. Just prior to paving, fill tucked in portion of underseal with sand flush with surface. Apply a tack coat to fabric joint underseal as required by the manufacturer's installation instructions. Mark location of centerline of joint on curb or barrier as approved.

7. After the asphaltic concrete pavement operations are complete, saw cut through the asphalt at centerline of joint to the sand layer. Make multiple saw cuts to create a 1/2 " minimum joint opening or match the existing opening, whichever is greater, **not to exceed 1".** Do not damage the underseal. Blow sand out of the joint with oil- and water-free compressed air. Seal the joint opening with hot poured rubber flush with the top of the asphaltic concrete pavement.

GENERAL NOTES:

Concrete repair material will be in accordance with DMS 4655 "Concrete Repair Materials" or as approved by the Engineer

Fabric underseal will be in accordance with DMS-6260, "Reinforced Fabric Joint Underseal". At expansion joints a fabric underseal meeting DMS 6220 "Fabric For Underseals" may be used.

Class 3 sealant, hot poured rubber, will be in accordance with DMS-6310, "Joint Sealants and Fillers."

Obtain approval for all tools, equipment, materials and techniques proposed for use in construction of the joint.

Repair of spalled or cracked areas will be paid for by "Extra Work As Directed by the Engineer". Repair of damage caused by contractor operations will not be paid for.

Tack coat and fabric underseal for expansion and construction joints will be paid for by Item 356, "Fabric Underseal", measured by the linear foot of joint unless shown otherwise in the plans.

All work associated with cleaning and sealing expansion joints will be paid for by Item 438 "Cleaning and Sealing Joints and Cracks", measured by the linear foot of joint unless shown otherwise in the plans. All work associated with cleaning of construction joints will not be paid for directly but will be considered subsidiary.

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LEVELS DISPLAYED 1 2 ACC: (LV=1,2 for English)

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San Antonio District (Structural Design)

FABRIC JOINT UNDERSEAL AT EXPANSION AND CONSTRUCTION JOINTS

SAN ANTONIO DISTRICT STANDARD

San Antonin District Standard: FabUnderSeal.dgn				PREPARED BY AND FOR USE OF TxDoT.			
ORIGINAL DRAWING DATE: AUGUST 2010		STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT #			SHEET
DN.:	REVISIONS	SAT	6				
CK.: JHK	- -	COUNTY		CONTROL	SECTION	JOB	HIGHWAY
DW.: MRM	- -						
CK.: JHK	- -						