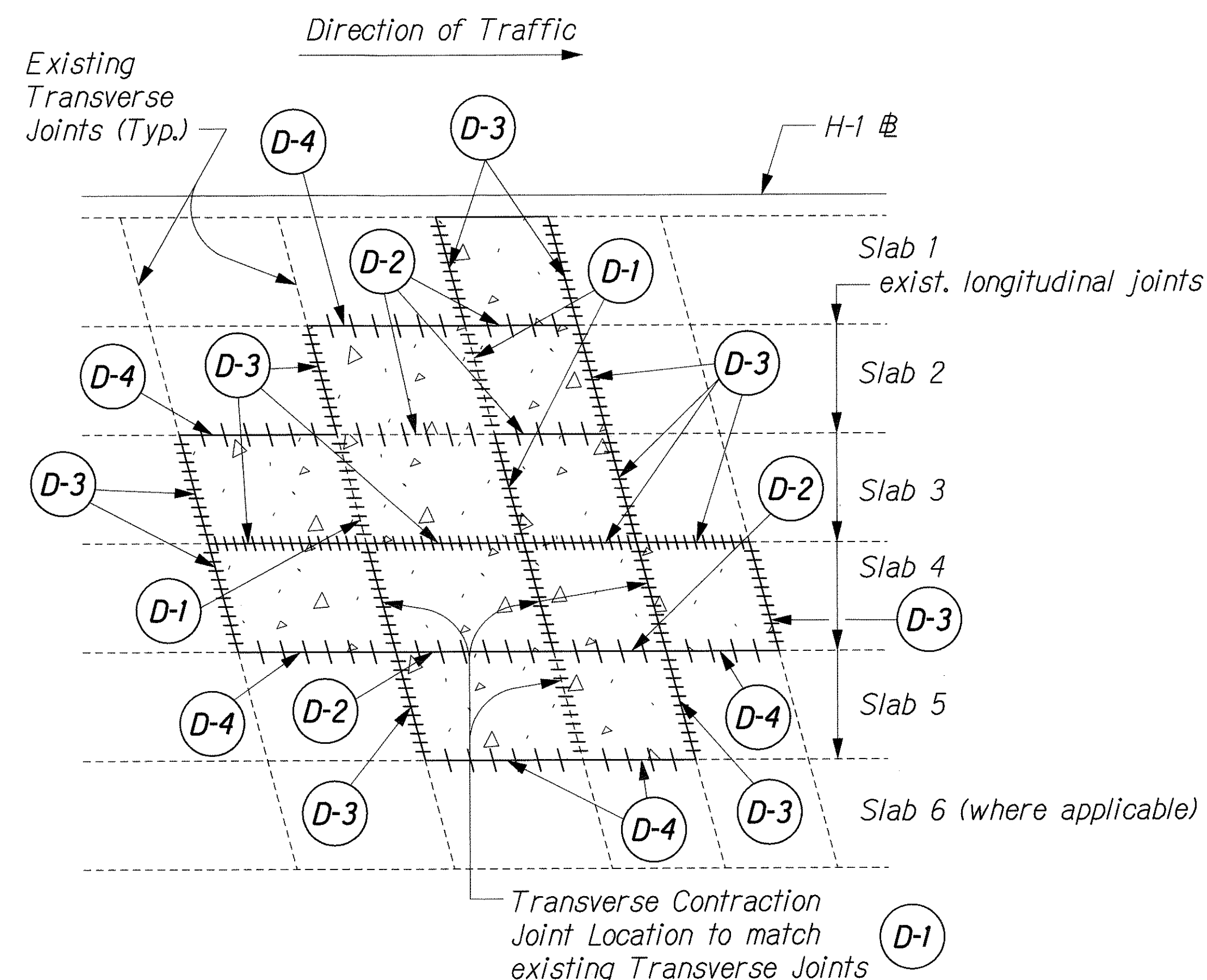
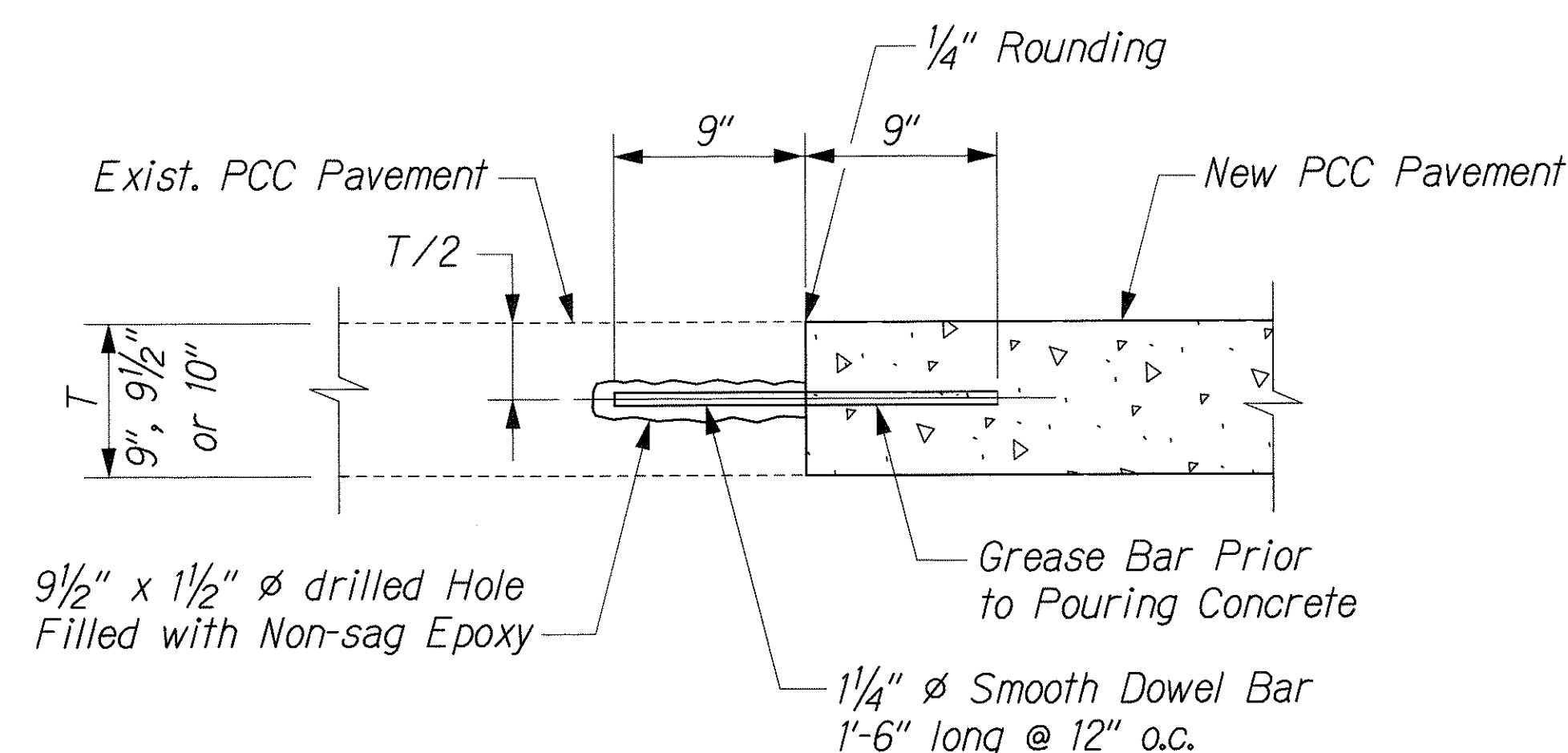


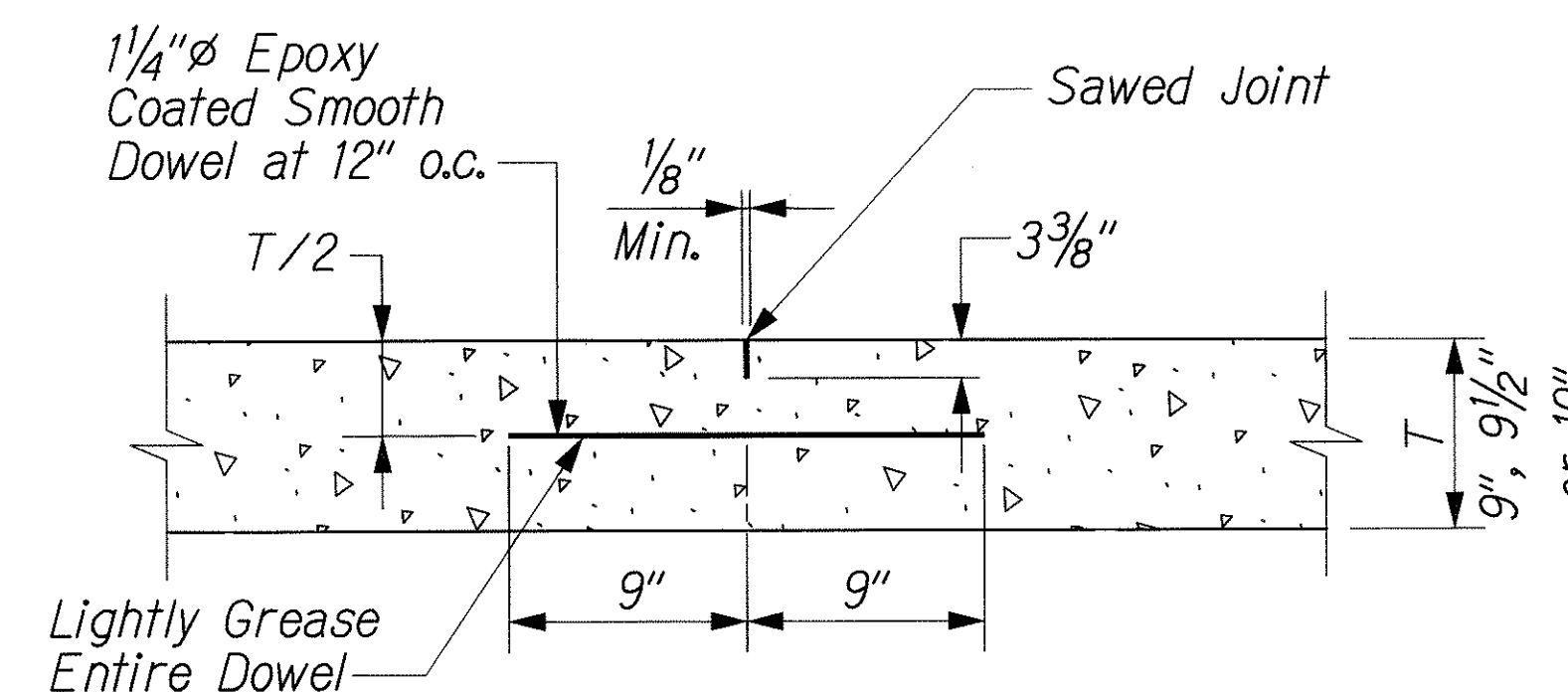
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(245)	2005	38	183



INTERIOR SLAB RECONSTRUCTION
Not to Scale



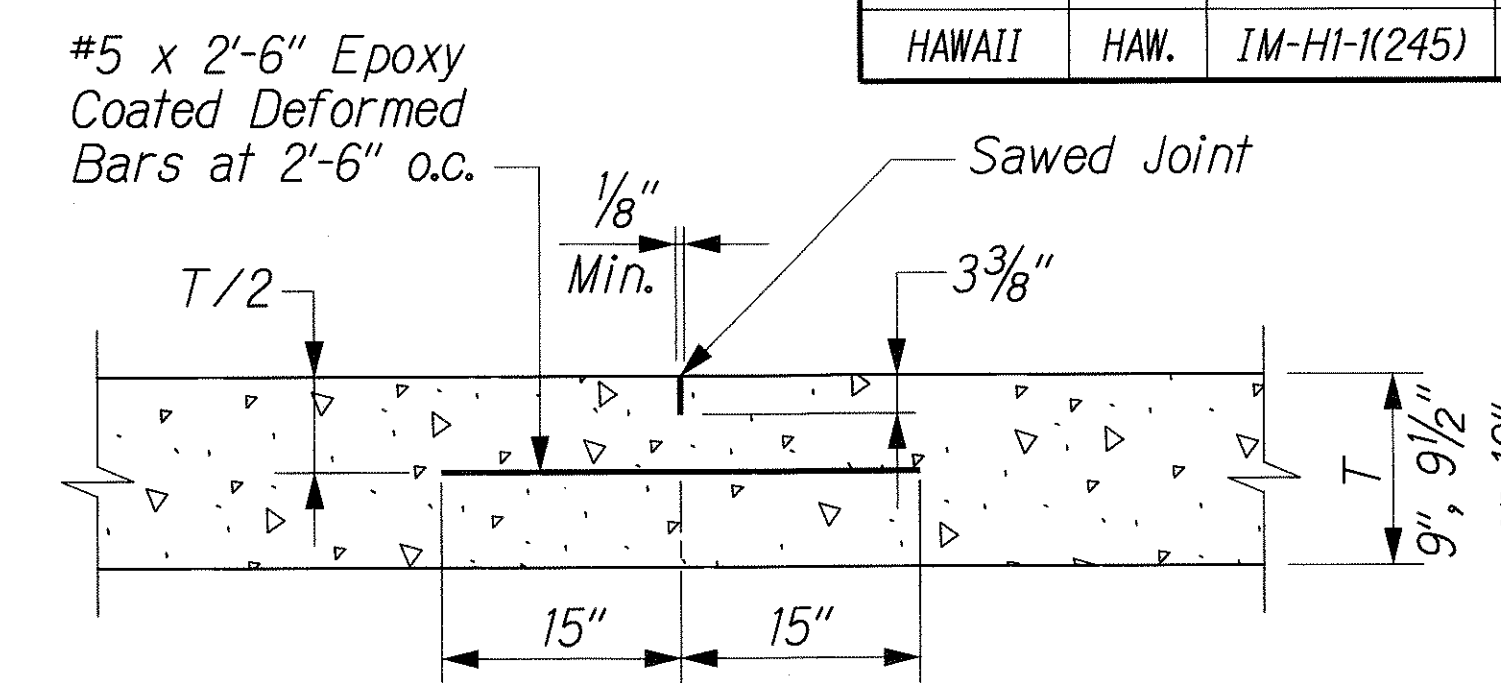
**TRANSVERSE CONSTRUCTION JOINT
AT EXISTING PCC PAVEMENT
AND LONGITUDINAL CONSTRUCTION
JOINT BETWEEN SLABS 3 AND 4**
Not to Scale



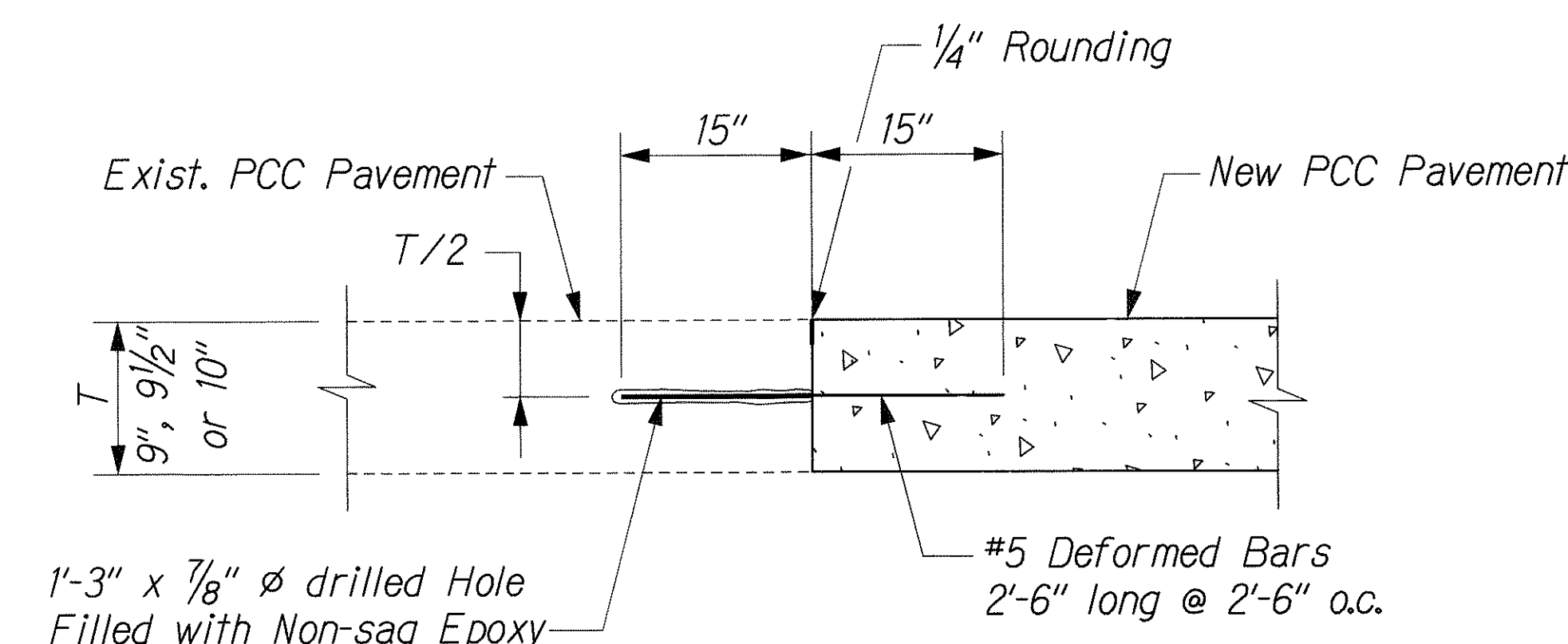
TRANSVERSE CONTRACTION JOINT (D-1)
Not to Scale

NOTES:

- Epoxy Coated Dowels and Deformed Bars shall conform to AASHTO M 284/M 284M/M-95 Grade 60.
- Transverse Construction Joints shall be located at a Minimum Distance of 10 Feet from the Nearest Transverse Contraction Joint. Joint shall be perpendicular to paving lane.
- The dowels shall be positioned parallel to centerline direction of traffic and within the plane of the roadway surface. The ends of the dowels shall not deviate more than 0.01' from the parallel in 9" length.
- The Contractor shall not damage the epoxy coating on the dowels and deformed bars in any way during shipment, handling, or placement. Damaged epoxy coated dowels and deformed bars shall be replaced at no cost to the State.
- Minimum Distance Deformed Bars are to be located from a Transverse Joint is 15 inches. Deformed Bars closer to the Transverse joint can interfere with joint Movement.
- The locations shown on the Roadway Construction Plans are approximate. The Contractor shall stake out the PCC Slab to be removed to the nearest transverse joint and verify location with the Engineer.
- The Contractor shall saw cut the existing joints prior to excavation.
- Existing PCC Slab thickness varies (9", 9 1/2" or 10"). PCC Slab replacement thickness to match existing. See Typical Sections for existing PCC Slab thickness.
- Reinforce odd shaped slabs and slabs with mismatched joints. Odd shaped slabs are slabs with length to width ratios greater than 1.25, triangular, and other non-square shaped slabs. See Details on Sht. C-26.
- Provide shop drawings for joint layout where obstructions such as manholes are encountered.



LONGITUDINAL CONTRACTION JOINT (D-2)
Not to Scale



**LONGITUDINAL CONSTRUCTION JOINT
AT EXISTING PCC PAVEMENT (D-4)**
Not to Scale

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

J:\COE H-1 REHAB\ROAD\RD-DET02.dgn

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ROADWAY CONSTRUCTION
JOINT DETAILS**

INTERSTATE ROUTE H-1 REHABILITATION
EASTBOUND LANES
WAI'AU INTERCHANGE TO KAIMAKANI STREET

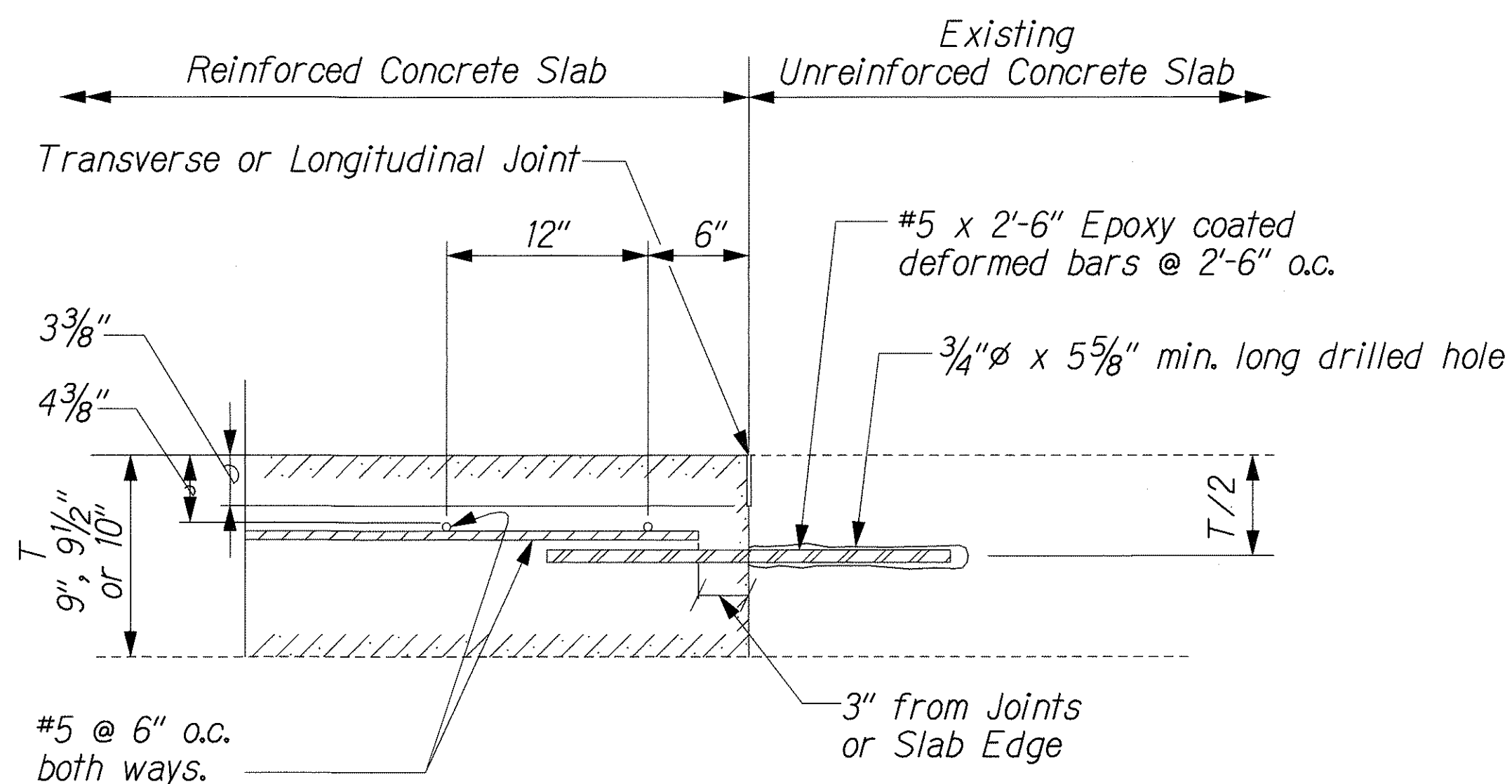
Scale: As Shown Date: Jan. 24, 2006

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

[Signature]

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

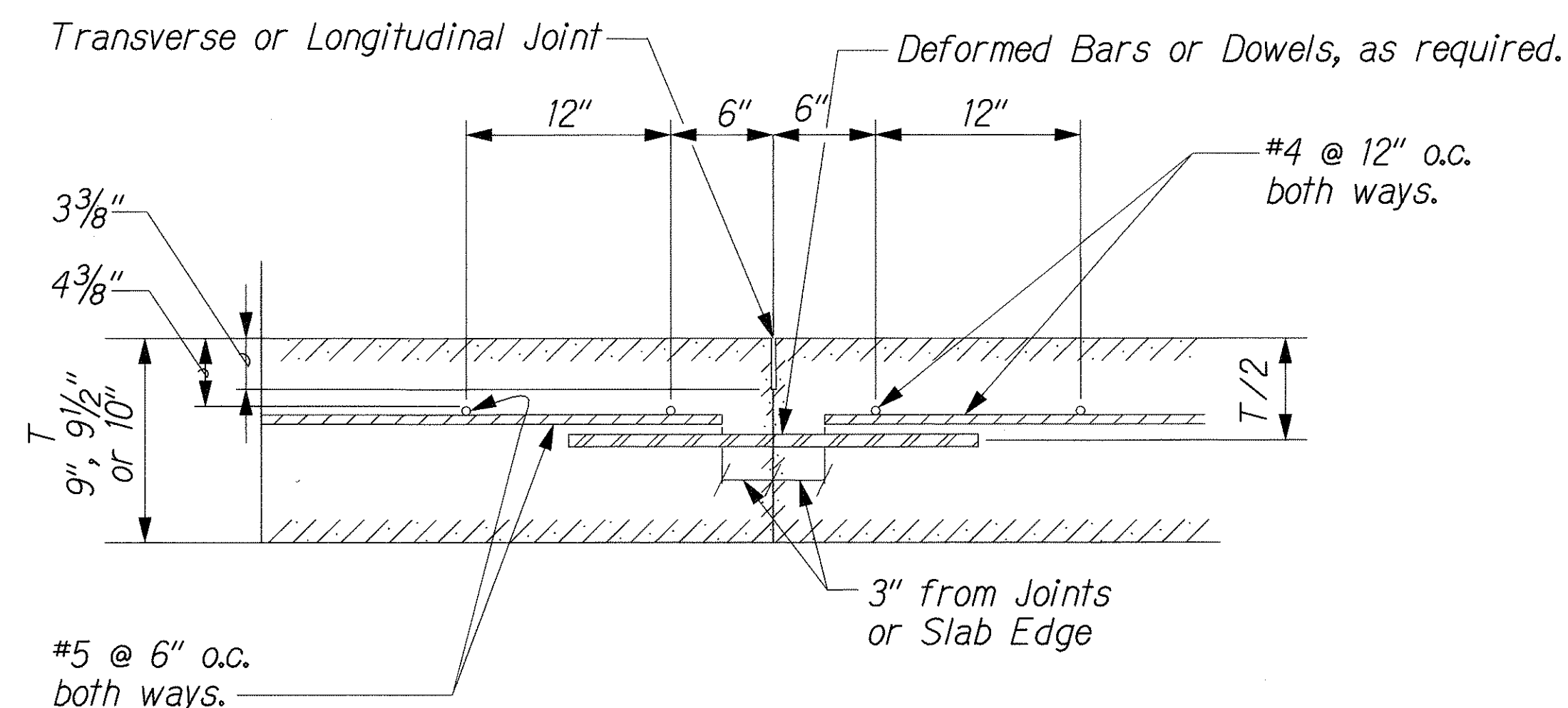
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(245)	2005	39	183



**REINFORCEMENT TYPICAL SECTION
FOR ODD SHAPED SLABS
AT UNREINFORCED CONCRETE SLAB**

Not to Scale

(D-5)



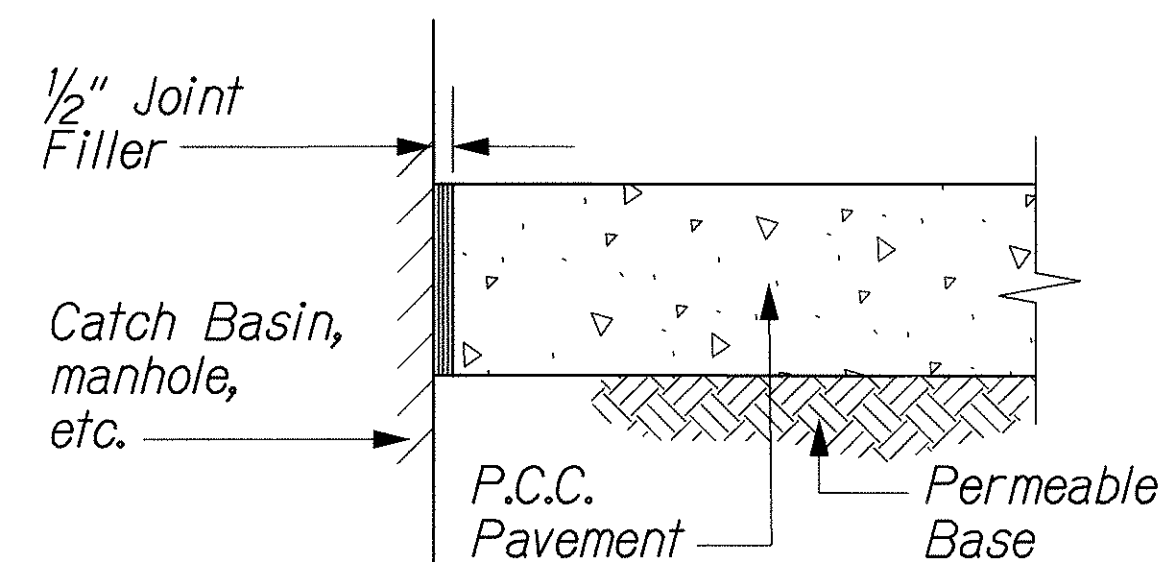
**REINFORCEMENT TYPICAL SECTION
FOR ODD SHAPED SLABS
AT REINFORCED CONCRETE SLAB**

Not to Scale

(D-6)

ODD SHAPED SLAB REINFORCEMENT NOTES:

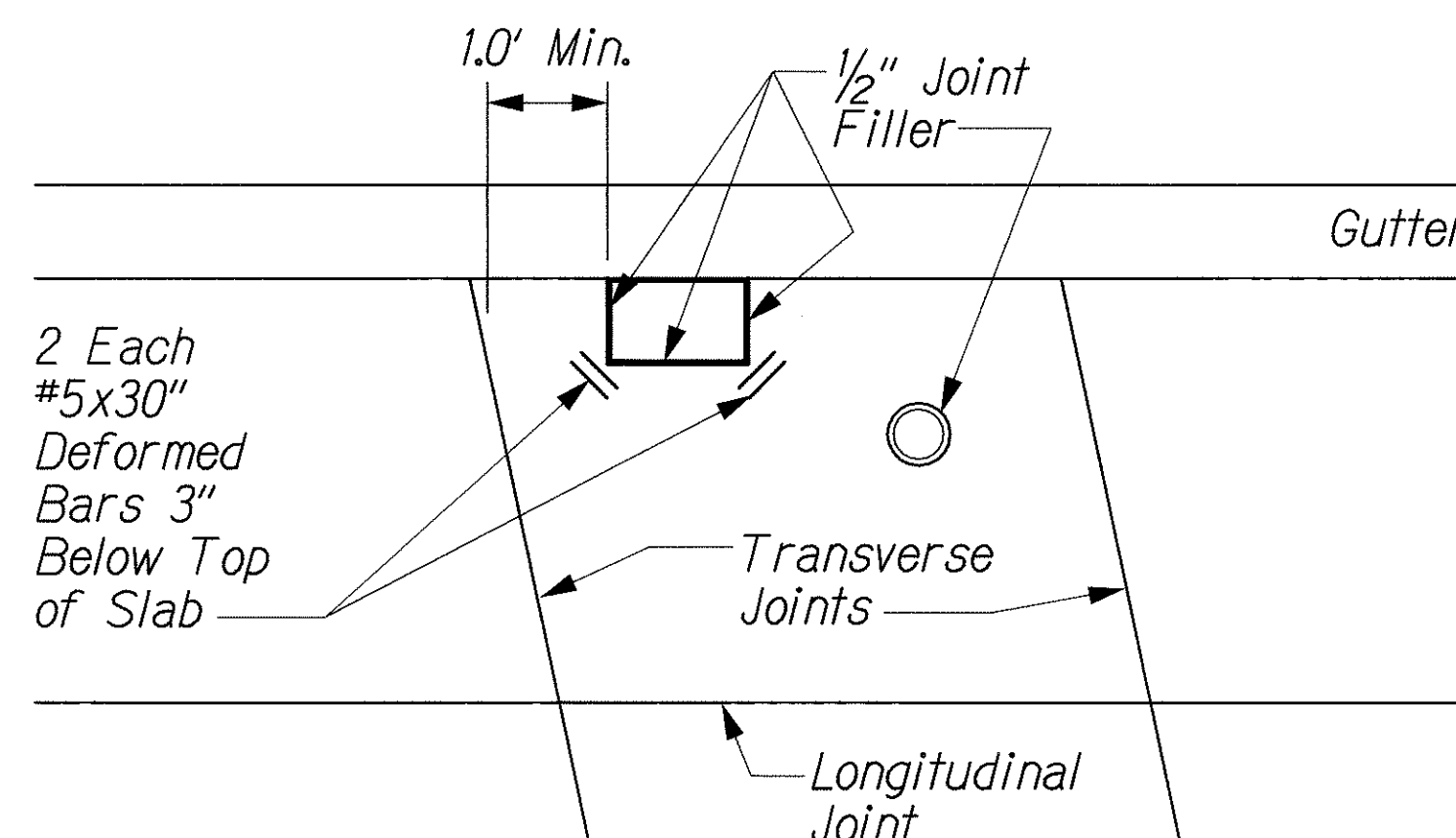
- For dowel or deformed bar details and joint construction details, see applicable transverse or longitudinal joint details on Sht. C25.
- Adjust placement of reinforcing bars to avoid interfering with movement of the dowels.



EXPANSION JOINT

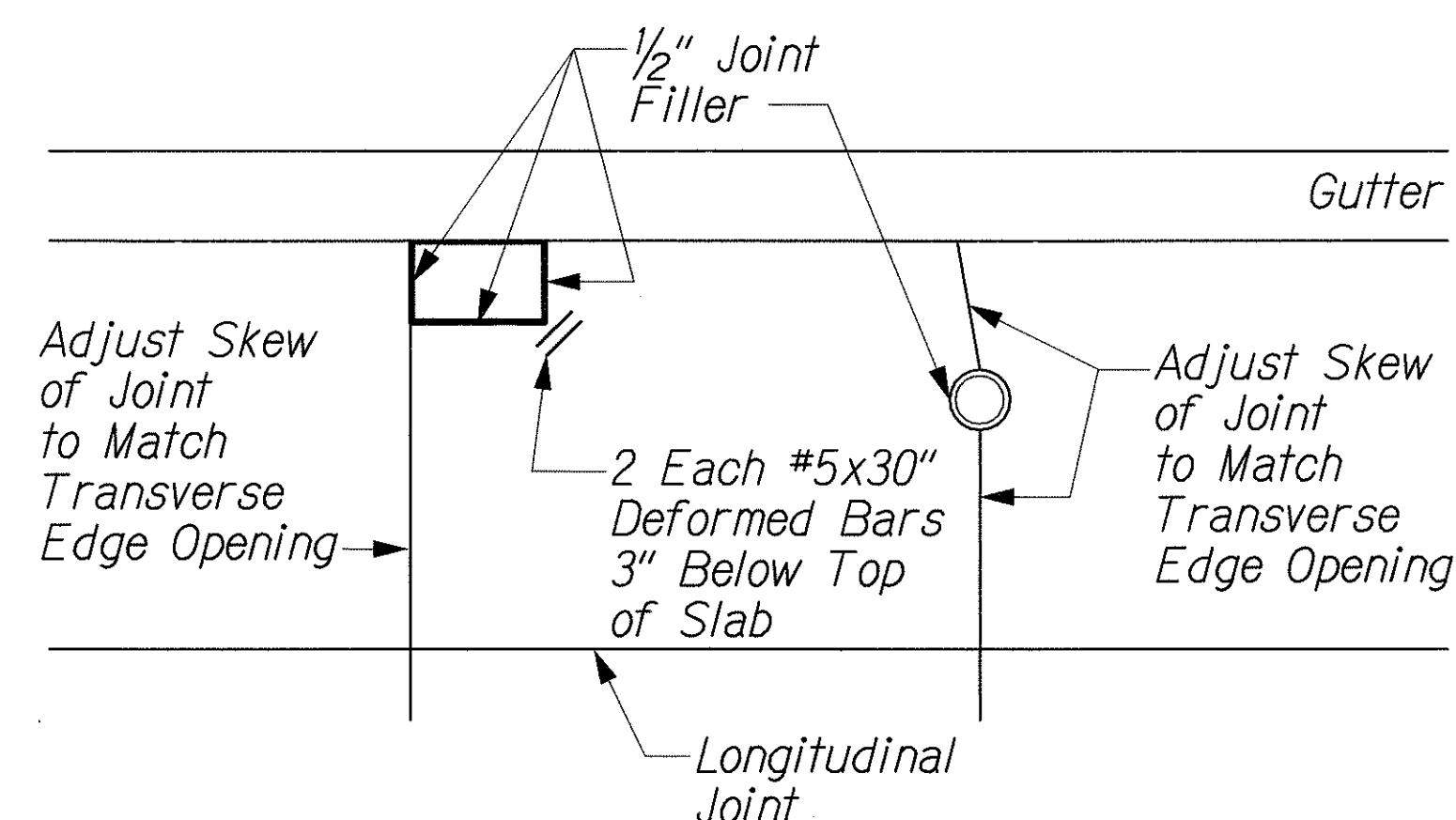
Not to Scale

(D-7)



OPENINGS AWAY FROM JOINTS DETAIL

Not to Scale

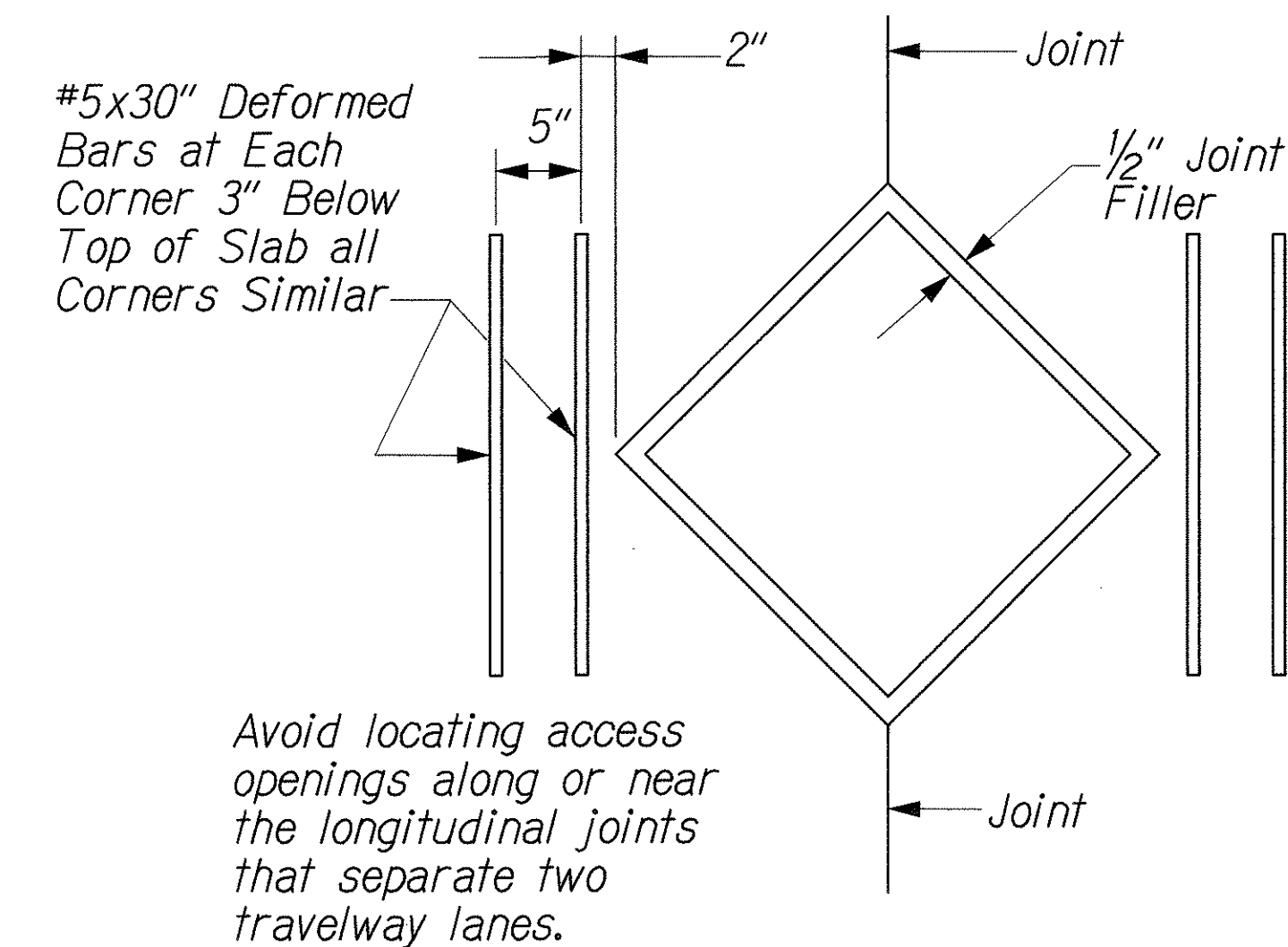


OPENINGS NEAR JOINTS DETAIL

Not to Scale

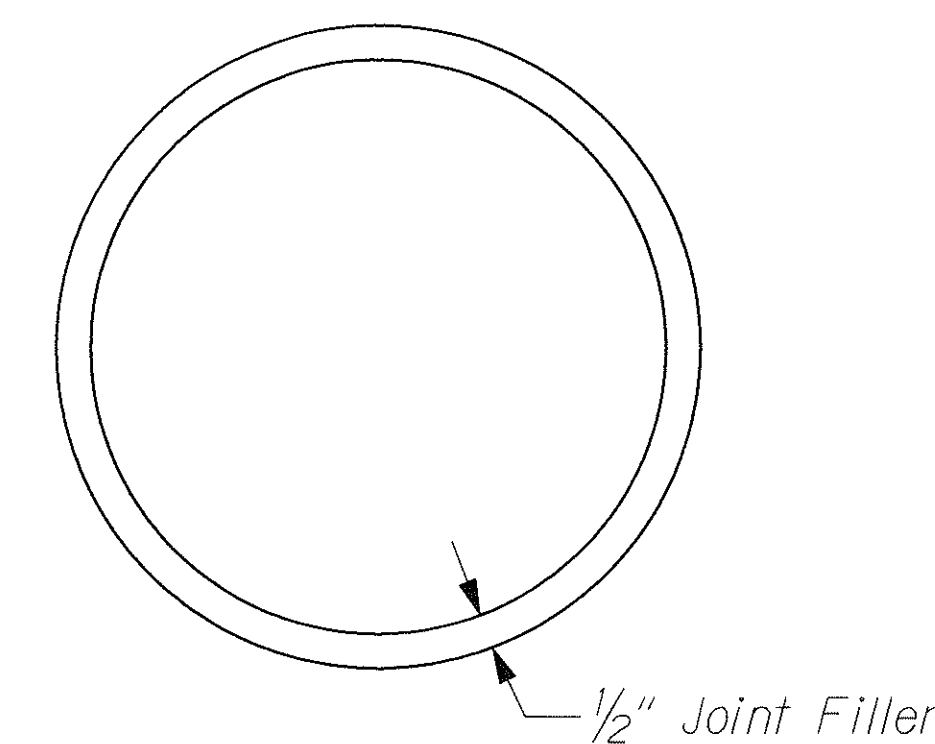
NOTES:

- See Joint Location and Layout Plan, additional Joint Details, and Notes on Sht. C3.



**OPENINGS WITH CORNERS -
CORNERS AT A JOINT DETAIL**

Not to Scale



CIRCULAR OPENING DETAIL

Not to Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTE BOOK	
CHECKED BY	
IN	

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	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
	JOINT DETAILS IN PAVING CONCRETE	
	INTERSTATE ROUTE H-1 REHABILITATION EASTBOUND LANES WAI'AU INTERCHANGE TO KAIMAKANI STREET	
	Scale: As Shown	Date: Jan. 24, 2006

SHEET No. C26 OF 39 SHEETS