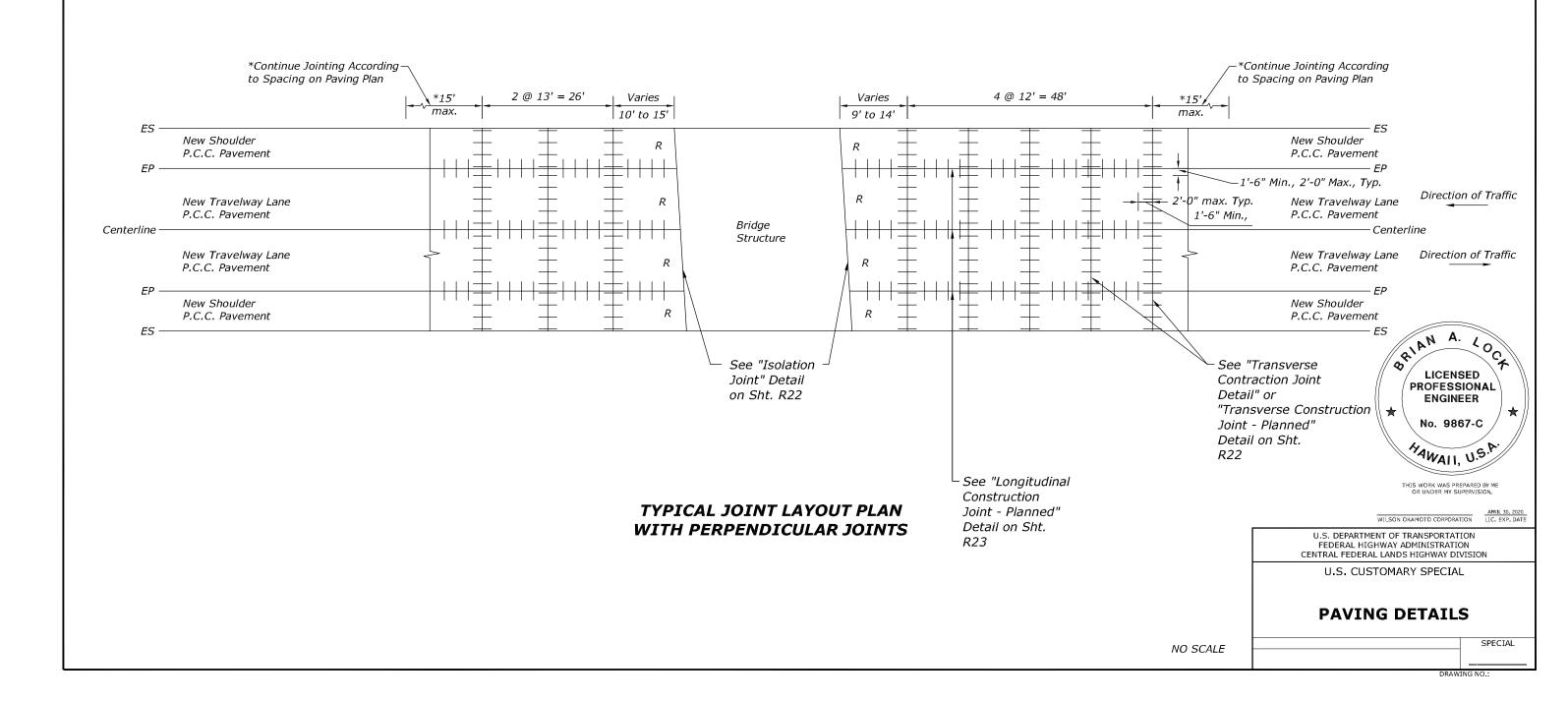
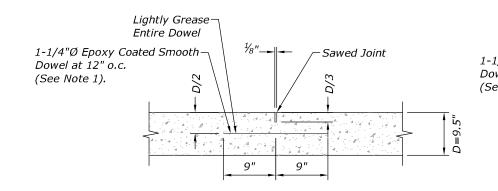
| STATE | PROJECT         | SHEET<br>NO. |
|-------|-----------------|--------------|
| HI    | HI STP SR 30(1) | R21          |

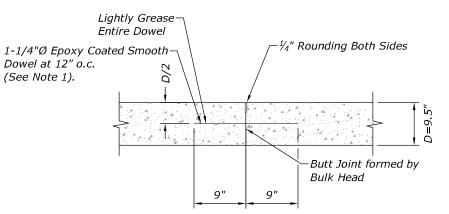
#### IOTES:

- 1. The dimensions shown are for a 12 foot wide travelway lane width. For other lane widths adjust the transverse joint spacing to obtain a length to width ratio of not greater than 1.25 for the travelway lane slabs.
- 2. Space transverse joint according to the Paving Plans in the direction of travel.
- 3. For travelway lanes, reinforce odd shaped slabs and slabs with mismatched joints. Reinforced slabs are slabs with length to width ratios greater than 1.25, and other nonsquare shaped slabs. See sheet R24 for Reinforcing Details. Triangular shaped slabs are considered odd-shaped slabs.
- 4. For the shoulder, reinforcing is not required for slabs that exceed the length to width ratio of 1.25. Triangular or odd shaped slabs shall have reinforcing.
- 5. Locate transverse construction joints at a minimum distance of ten (10) feet and a maximum of fifteen (15) feet from the nearest planned contraction joint.
- 6. Portland cement concrete pavement shall attain a minimum 14-day flexural strength, fr = 650 psi.
- 7. Dowel spacing shown is schematic, refer to joint details for actual spacing.



STATE PROJECT HI STP SR 30(1) R22



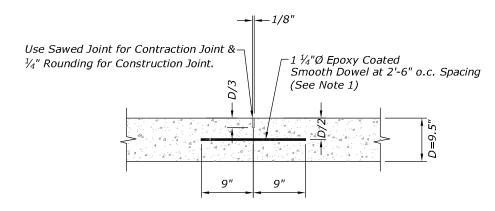


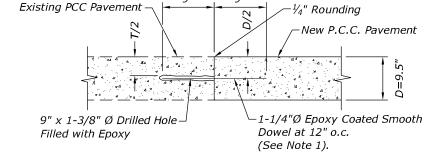
TRANSVERSE CONTRACTION JOINT

TRANSVERSE CONSTRUCTION JOINT - PLANNED

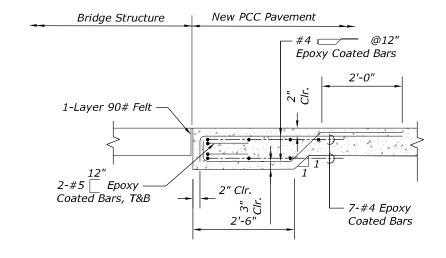
#### NOTES:

- 1. Epoxy Coated Dowels shall conform to AASHTO M284 (ASTM A 775). For pavements D<10", use 1-1/4"Ø x 1'-6" long dowels. For pavements D>10", use 1-1/2"Ø x 1'-6" long dowels.
- 2. Locate Transverse Construction Joints at the nearest planned transverse contraction joint as shown on the Paving Plans. Joint shall be perpendicular to paving lane.
- 3. It is critical that dowels be positioned in place parallel to the pavement surface and paving lane direction to avoid future cracks in the PCC pavement. The ends of the dowels shall not deviate more than 0.012' from the parallel in 9" length.
- 4. See Paving Detail Sheet R21 and Paving Plans for Transverse Joint
- 5. The Contractor shall not damage the epoxy coating on the dowel in any way during shipment, handling, or placement. Damaged epoxy coated dowels or rebar shall be replaced at no cost to the State. Repair of epoxy coating as approved by the Engineer shall meet AASHTO M284 (ASTM A775).



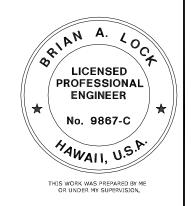


# LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINT WITH SMOOTH DOWEL



**ISOLATION JOINT** 

TRANSVERSE CONSTRUCTION JOINT TO EXISTING PCCP



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CENTRAL FEDERAL LANDS HIGHWAY DIVISION

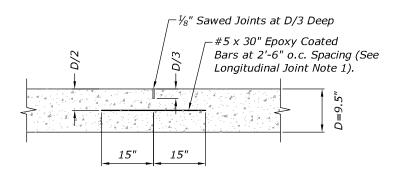
U.S. CUSTOMARY SPECIAL

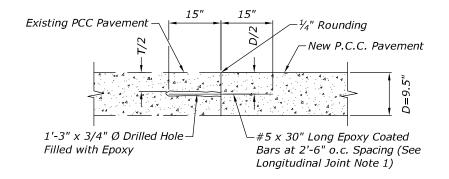
**PAVING DETAILS** 

NO SCALE

SPECIAL

| STATE | PROJECT         | SHEET<br>NO. |
|-------|-----------------|--------------|
| н     | HI STP SR 30(1) | R23          |



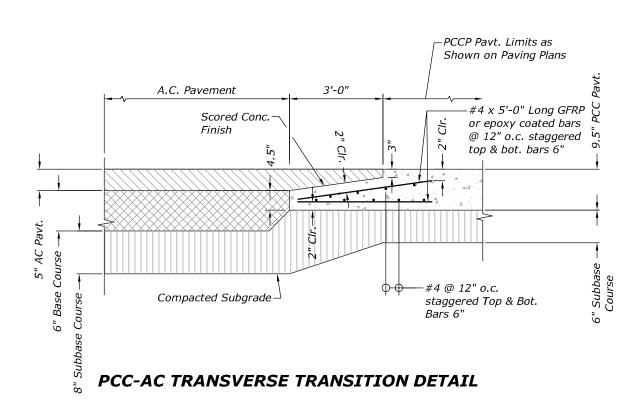


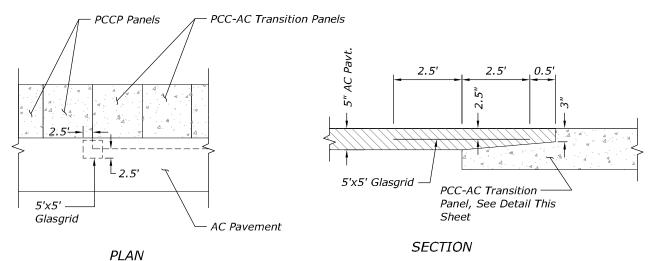
#### LONGITUDINAL JOINT NOTES:

- 1. Epoxy Coated Deformed Bars shall Conform to ASTM A775/A775M-00 Grade 60.
- 2. Tiebars are to be located a minimum distance of 18 inches and a maximum of 24 inches from a Transverse Joint.
- 3. The Contractor shall not damage the epoxy coating on the deformed bars in any way during shipment, handling, placement, or rebending. Damaged epoxy coating shall be repaired at no cost to the State. Repair of epoxy coating as approved by the engineer shall meet AASHTO M284 (ASTM A775).

#### LONGITUDINAL CONTRACTION JOINT

### LONGITUDINAL CONSTRUCTION JOINT - PLANNED





#### NOTES:

1. For Specifications see SCR Section 416 - Peel and Stick Paving Grid Interlayer for Asphalt Overlays.

#### GLASGRID LAYOUT DETAIL

### NOTES:

1. Concrete for Reinforced PCC Pours, openings, utilities, mismatched joints, and triangular slabs shall contain 13 LBS./CY of Structural Alkali Resistant Glass Fiber or a minimum of 7.5 LBS/CY of Synthetic Structural Fiber or Accepted Equal and Shall Conform to ASTM C1116 and ACI 544.



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CENTRAL FEDERAL LANDS HIGHWAY DIVISION U.S. CUSTOMARY SPECIAL

**PAVING DETAILS** 

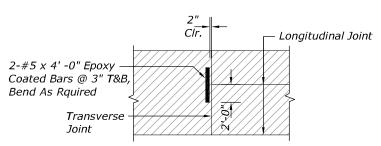
NO SCALE

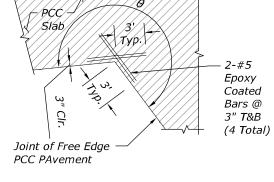
SPECIAL

| STATE | PROJECT         | SHEET<br>NO. |
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| н     | HI STP SR 30(1) | R24          |

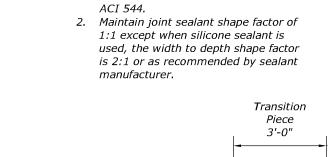
**PCCP** 

Panel





## ADDED REINFORCEMENT AT **ODD-SHAPED PCC POURS** FOR 190°-350° EDGE



1. Concrete for Reinforced PCC Pours,

Alkali Resistant Glass Fiber or a

openings, utilities, mismatched joints,

shall contain 13 LBS./CY of Structural

minimum of 7.5 LBS/CY of Synthetic

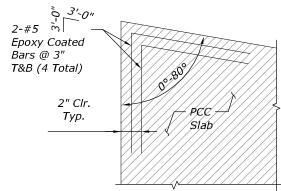
Shall Conform to ASTM C1116 and

Structural Fiber or Accepted Equal and

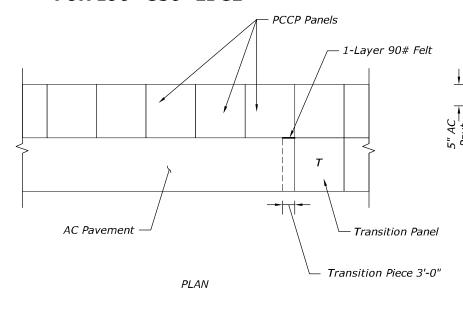
SECTION

triangular slabs, and transition slabs

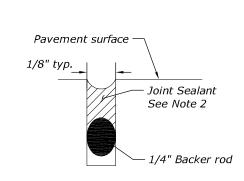
NOTES:



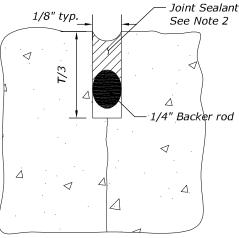
ADDED REINFORCEMENT AT ODD-SHAPED PCC POURS FOR 10°-80° EDGE

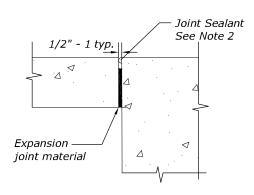


## FELT LAYER FOR PCC-AC TRANSITION DETAIL



**CONSTRUCTION JOINTS** 





**ISOLATION JOINT** 



- 1-Layer 90# Felt

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CENTRAL FEDERAL LANDS HIGHWAY DIVISION

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**PAVING DETAILS** 

NO SCALE

SPECIAL

MISMATCHED JOINT DETAIL

**SAWED OR FORMED JOINTS** 

JOINT SEALING DETAILS