

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 19HJ-01-89M | 1989        | 6         | 6            |

## GENERAL NOTES

- This project consists of cold planing and resurfacing the existing bridges, repairing expansion joints, reconstructing bridge approaches and installing pavement markers.
- The contractor's attention is directed to sub-section 107.13 - "Public Convenience and Safety," of the "Hawaii Standard Specifications-1985."
- The existing deck drains shall be maintained free of debris and asphalt at all times. This work shall be considered incidental to "Asphalt Concrete Pavement, Mix No. V."
- Thickness of asphalt overlays shown on plans are based on best available information. Actual thickness may vary. Contractor shall remove existing asphalt overlay to expose original concrete bridge deck. Contractor shall not over-excavate or remove any portion of the original concrete deck.
- The contractor shall use extreme caution when removing the existing concrete to ensure that no damage is done to any existing reinforcing bars.
- Pavement areas to be striped shall be broomed off by the contractor prior to the striping by the State.
- The contractor shall repair the expansion joints after reconstructing the bridge approaches and cold planing and resurfacing the existing bridge deck.
- Preparation of shoulder areas shall be the responsibility of the contractor.
- Construction plans for the Honolulu, Kalaheo, and Kilauea Bridges are available for inspection at the State Highway Offices at 50 Makaala St, Hilo, and 869 Punchbowl St, Honolulu.

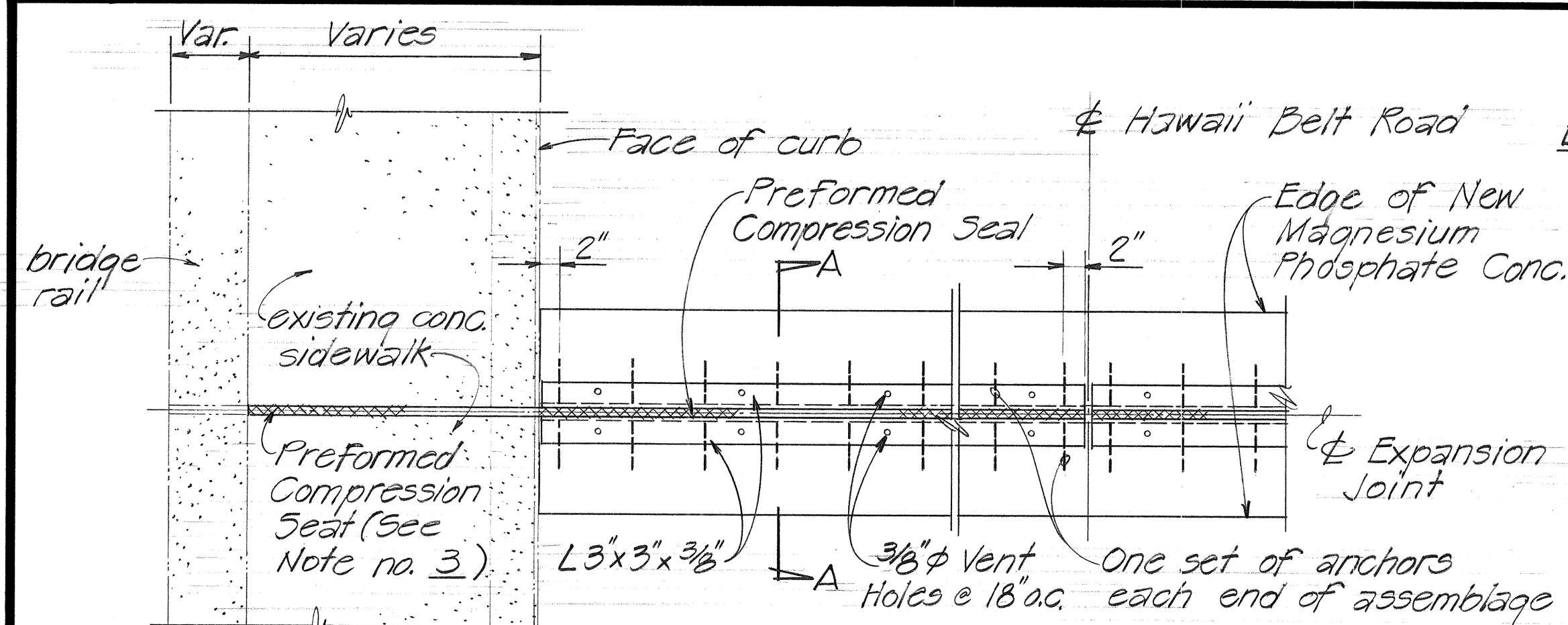
## NOTES

- The details shown indicate the general deck expansion joint installation requirements. The exact details shall be adjusted to suit the recommendations of the manufacturer of the actual deck expansion joint used. Verify all installation requirements and submit any required revisions to the Engineer for review prior to construction.
- Preformed Compression Seal shall have a nominal dimension of no less than 1.25 times the approximate expansion joint opening. The seal shall have a working range of at least 0.75 to 1.25 times the approximate expansion joint opening size, in accordance with the manufacturer's recommendations.
- The existing expansion joint sealer on the sidewalk joints shall be removed and replaced with the new continuous Preformed Compression Seal. The sidewalk joints shall be thoroughly cleaned and free from spalls prior to the installation of the Preformed Compression Seal. This work shall be incidental to "Repairs to Expansion Joints."
- Keeper Plates shall be tack welded, to angle iron protective nosing, prior to galvanizing.

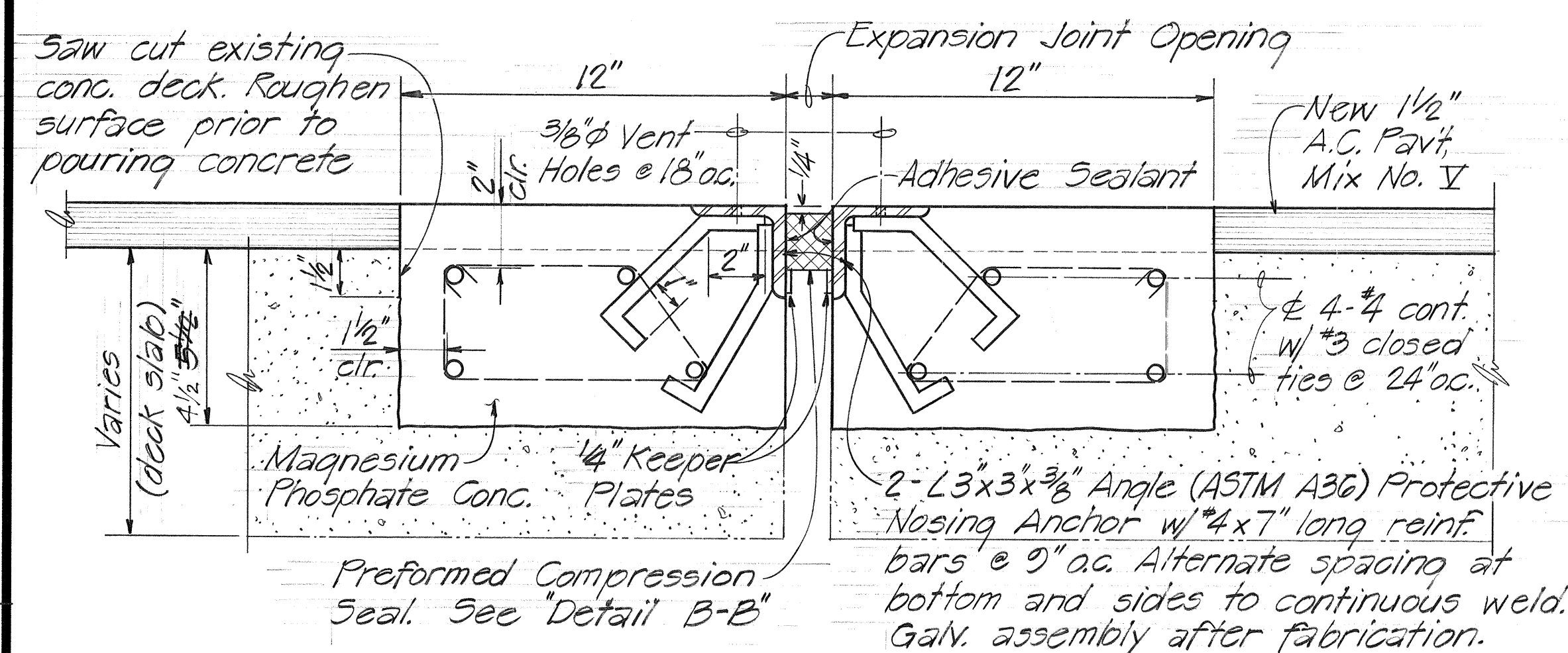
## ESTIMATED QUANTITIES (PER JOINT)

| DESCRIPTION               | QUANTITY |
|---------------------------|----------|
| Magnesium Phosphate Conc. | 30       |
| Steel                     | 44 bags  |
|                           | 612 lbs  |

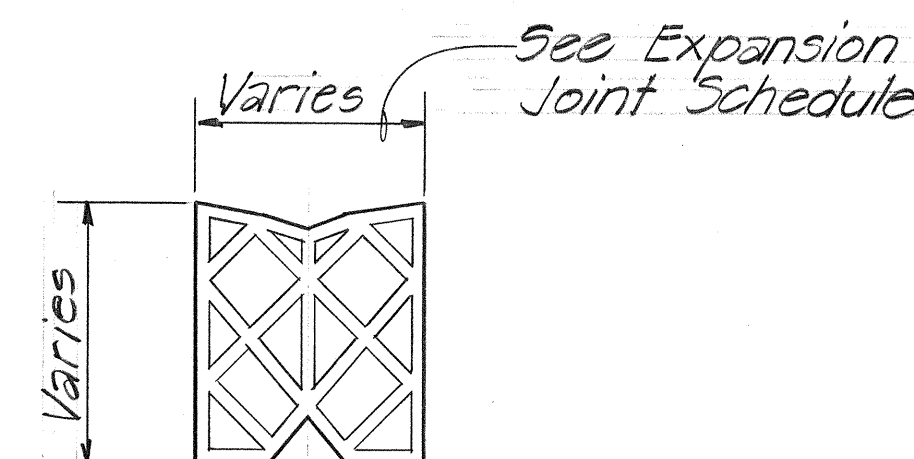
Each Mix ~ (w/1/4 C.Y. portable mixer):  
 2 Sacks-of "Set 45" concrete "  
 7.50 Pints-of water  
 50 Lbs. Aggregate



**PARTIAL PLAN**  
 Sc: 3/4" = 1'-0"



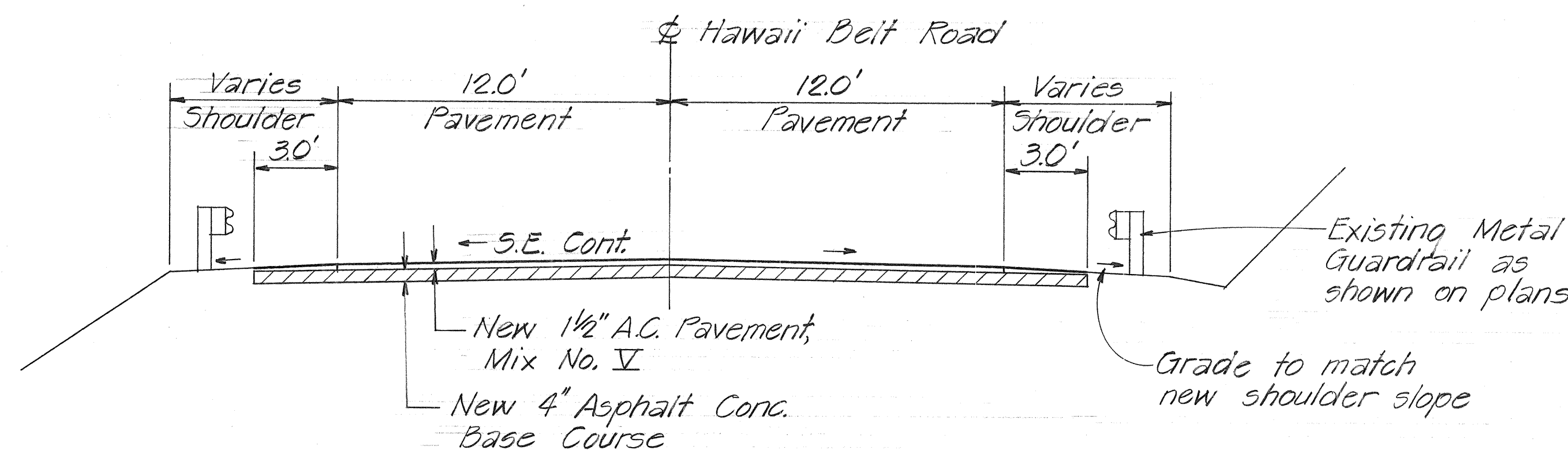
**SECTION "A-A"**  
 Sc: 3" = 1'-0"



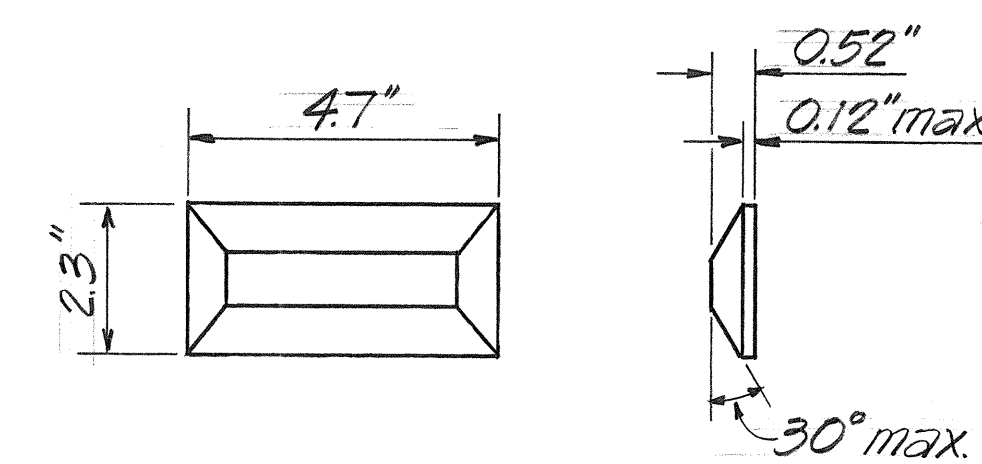
**DETAIL "B-B"**  
 Not to Scale

## PREFORMED COMPRESSION SEAL DETAILS

53545-556



**TYPICAL SECTION @ BRIDGE APPROACH**  
 Not to Scale



**TYPE DL**  
**PAVEMENT MARKER DETAIL**  
**(TWO-WAY YELLOW REFLECTIVE MKR)**  
 Not to Scale

## NOTE

Details of Type "C" Type "D" and Type "H" Markers on Standard Plan TE-30 shall be deleted and replaced with Details of Type "CL" Type "DL" and Type "HL" Markers as shown on this sheet. All references to Type "C" Type "D" and Type "H" Markers in the Plans shall mean Type "CL" Type "DL" and Type "HL" Markers.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

AND NOTES

HAWAII BELT ROAD-VARIOUS BRIDGES

Repair Expansion Joints & Resurface Decks

Proj. no. 19HJ-01-89M

Scale: As Noted

Date: April 1989

SHEET NO. 1 OF 1 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |