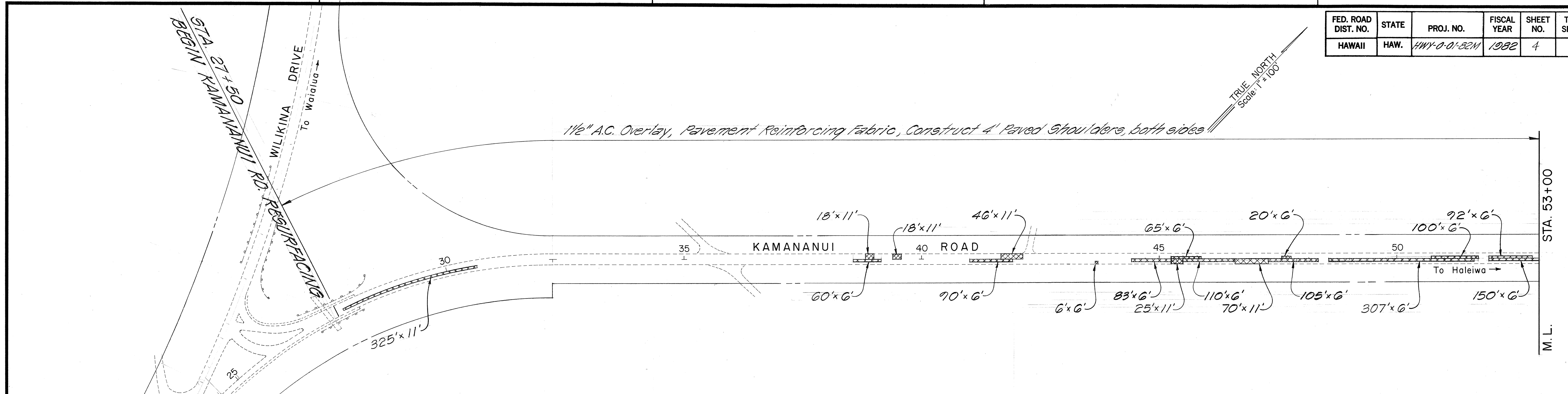
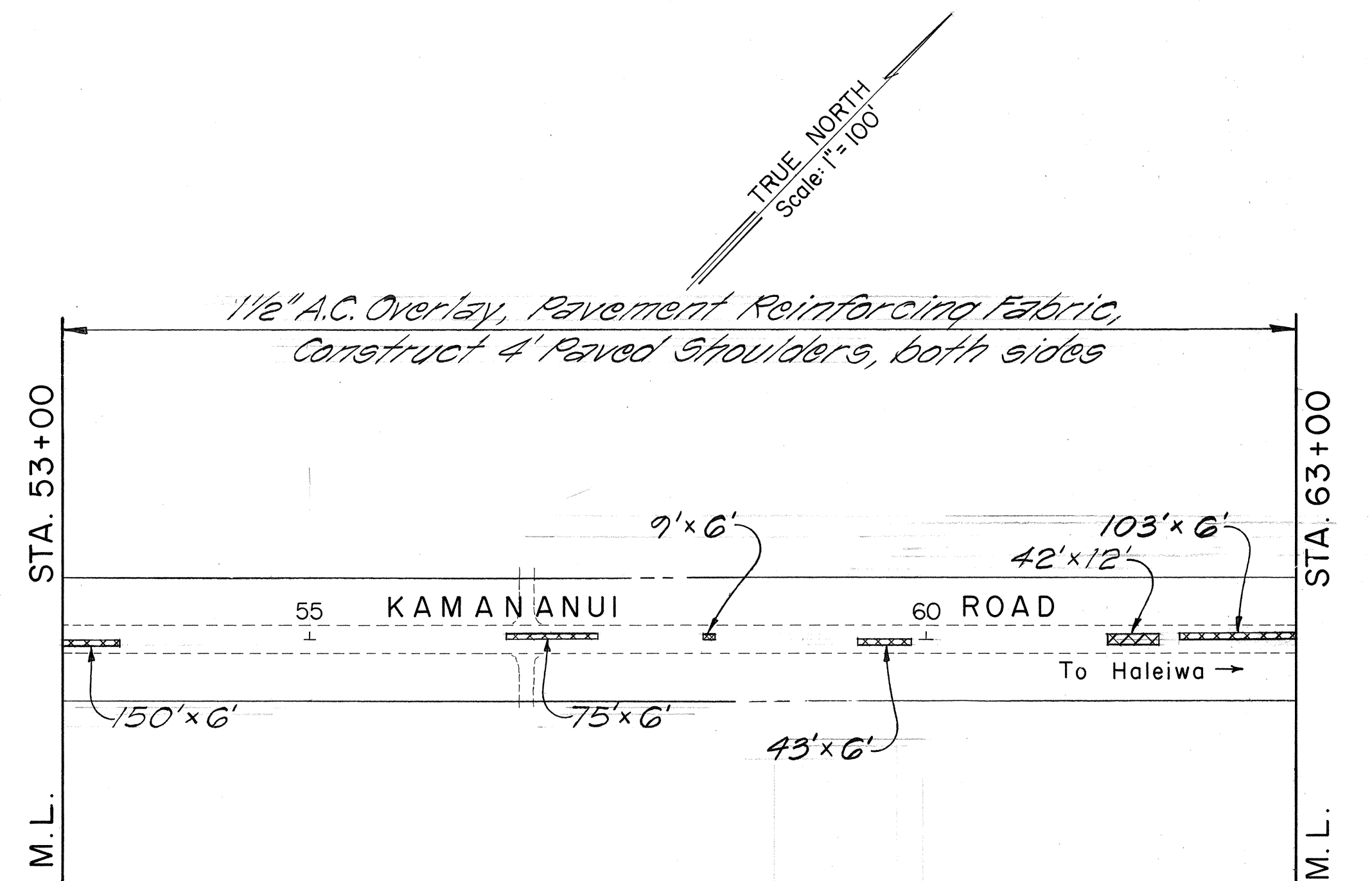


| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-01-82M | 1982        | 4         | 15           |



#### GENERAL NOTES:

1. Scope of work consist of resurfacing, pavement and bus pullout reconstruction, cold planing, constructing paved shoulders placing pavement reinforcing fabric, pavement markers and striping. Project length is 4.016 miles.
2. Pavement Reinforcing Fabric shall be placed to reinforce the existing pavement at Kamananui Road only, between Stations 27+50 to 70+00.
3. Stations denoting breakpoints between existing paved shoulders and "no-shoulder" sections on the plans are approximate. The Engineer shall determine the exact breakpoints in the field.
4. The depth of excation for reconstruction shall be the reconstruction thickness minus the overlay thickness as designated on the plans. The excavated areas shall be reconstructed with Plant Mix Asphalt Concrete Base prior to resurfacing.
5. The exact limits of the reconstruction areas of roadway and bus pullouts will be determined in the field by the Engineer.
6. The Engineer will temporarily allow the exposing of the traffic directly on the Cold Planed roadway during working hours provided:
  - a. the section of roadway to be planed require two or more passes;
  - b. a plan of operation with documented time schedule be approved by the Engineer;
  - c. temporary striping be provided. This work will not be measured for payment also but shall be considered incidental to Cold Planing;
  - d. the Contractor shall save and hold harmless the State, its Officers, Agents, Representatives, Successors and Assigns from any and all suits or actions of every nature and kind which may be brought for or an account of any injury, death or damage arising or growing out of the acts or omissions of the Contractor in connection with this temporary phase of Construction; and
  - e. the Engineer may revoke this temporary traffic plan at any time should the pavement show failure, the public voice vehement disapproval, or the work of the Contractor be in non-compliance to the approved plan of operation.
7. The Contractor shall exercise caution during his excavating operations as he may uncover utility facilities not shown on the plans. If any facilities should be damaged as a result of his operations, the Contractor will be held liable and he shall replace all damaged facilities in accordance with the Standards and Specifications of the State and/or the affected utility agency.
8. Smooth riding transitions shall be provided at the beginning and end of project and at all cross streets and paved roadway connections.



#### LEGEND

- Reinforcing Fabric
- Reconstruction Area

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

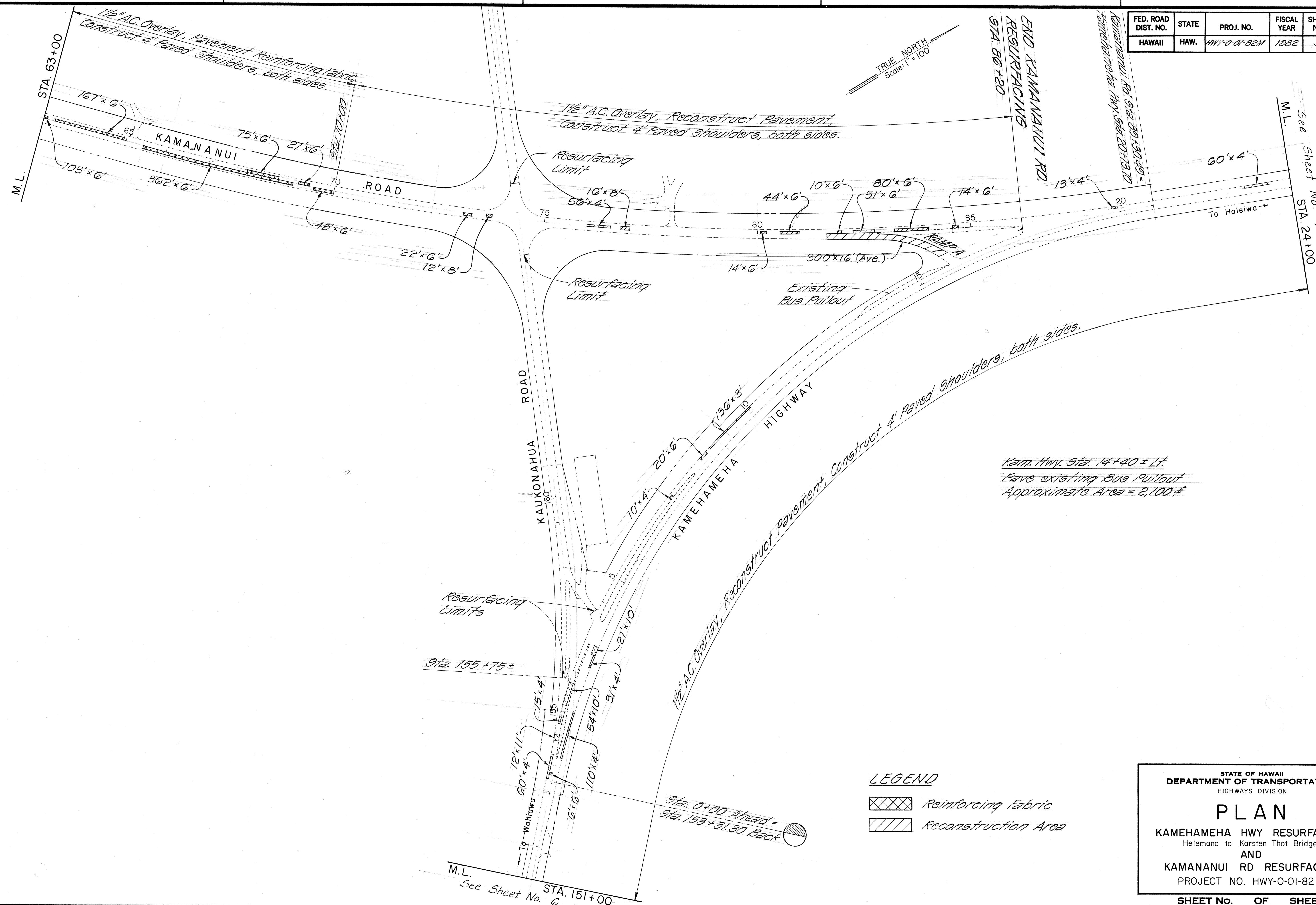
## PLAN

KAMEHAMEHA HWY RESURFACING  
Helemano to Karsten Thot Bridge  
AND  
KAMANANUI RD RESURFACING  
PROJECT NO. HWY-0-01-82M

SHEET No. 4 OF 15 SHEETS

|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DESIGNED BY       |      |
| QUANTITIES BY | CHECKED BY        |      |
| NO.           |                   |      |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEET |
|---------------------|-------|--------------|-------------|-----------|-------------|
| HAWAII              | HAW.  | HWY-0-01-82M | 1982        | 5         | 15          |



|                  |                         |            |
|------------------|-------------------------|------------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY _____ | DATE _____ |
|                  | DRAWN BY _____          | " "        |
|                  | TRACED BY _____         | " "        |
| NOTE BOOK        | DESIGNED BY _____       | " "        |
|                  | QUANTITIES BY _____     | " "        |
|                  | CHECKED BY _____        | " "        |
| No. _____        |                         | " "        |

LEGEND

-  Reinforcing Fabric  
 Reconstruction Area

**STATE OF HAWAII**  
**DEPARTMENT OF TRANSPORTATION**  
HIGHWAYS DIVISION

## PLAN

**KAMEHAMEHA HWY RESURFACING**  
Helemano to Karsten Thot Bridge

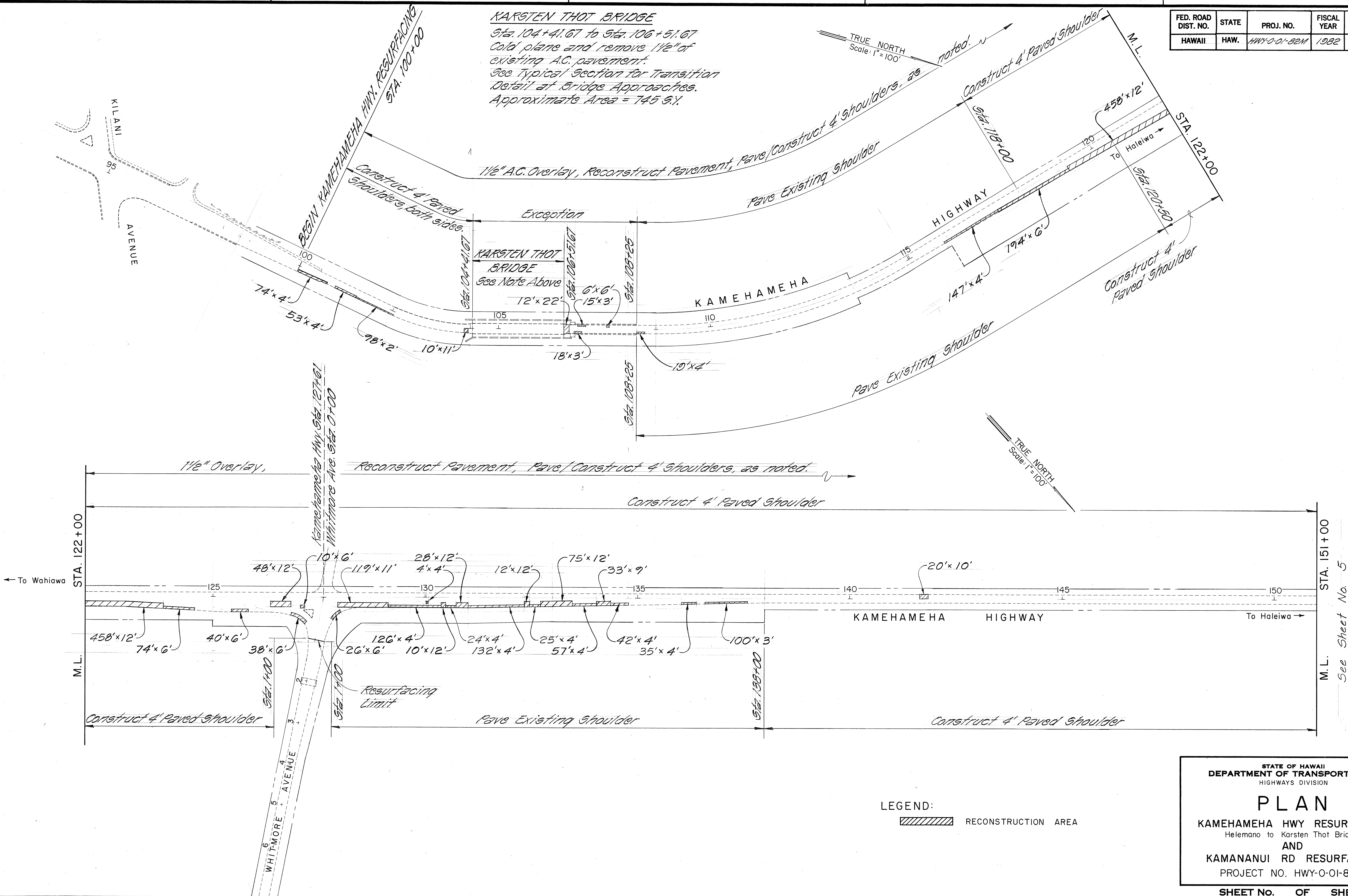
KAMANANUI RD RESURFACING

SHEET No. OF SHEETS

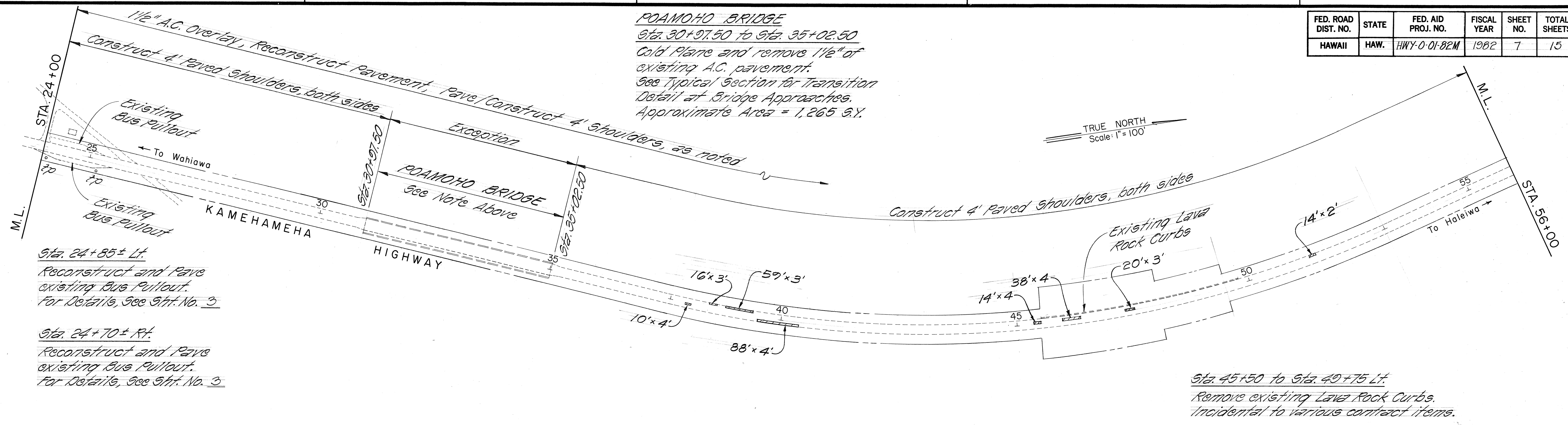


| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-01-82M | 1982        | 6         | 15           |

|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DESIGNED BY   |      |
| NOTED BY      |      |
| CHECKED BY    |      |
| NO.           |      |



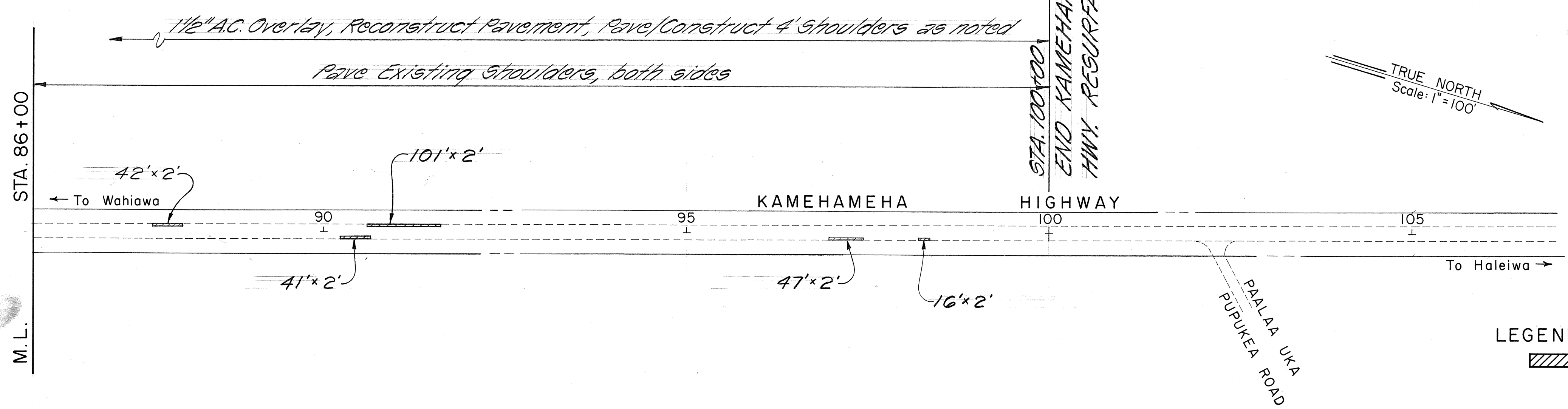
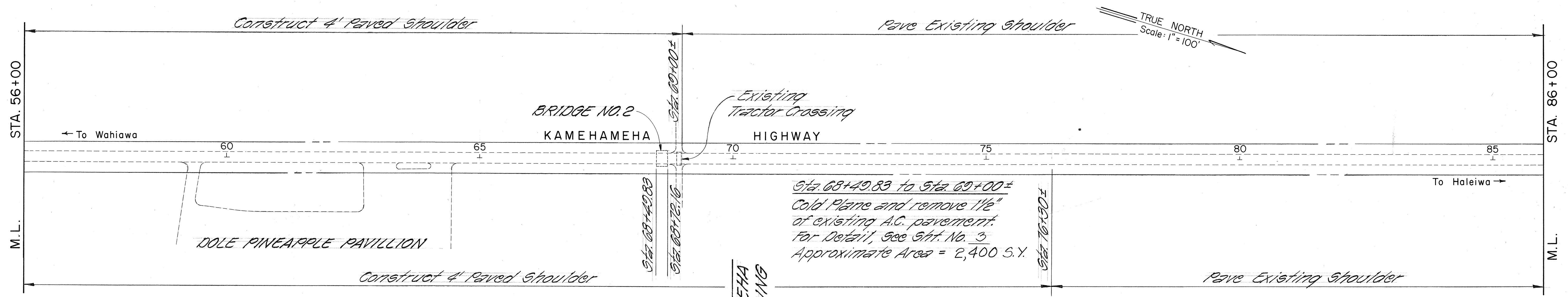
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-01-82M       | 1982        | 7         | 15           |



Sta. 24+85± Lt.  
Reconstruct and Pave  
existing Bus Pullout.  
For Details, See Sht. No. 3

Sta. 24+70± Rt.  
Reconstruct and Pave  
existing Bus Pullout.  
For Details, See Sht. No. 3

Sta. 45+50 to Sta. 40+75 Lt.  
Remove existing Lava Rock Curbs.  
Incidental to various contract items.



LEGEND:  
 RECONSTRUCTION AREA

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
  

## PLAN

  
KAMEHAMEHA HWY RESURFACING  
Helemano to Karsten Thot Bridge  
AND  
KAMANANUI RD RESURFACING  
PROJECT NO. HWY-0-01-82M  
  
SHEET No. 7 OF 15 SHEETS

|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DESIGNED BY       |      |
| QUANTITIES BY | CHECKED BY        |      |
| NO.           |                   |      |