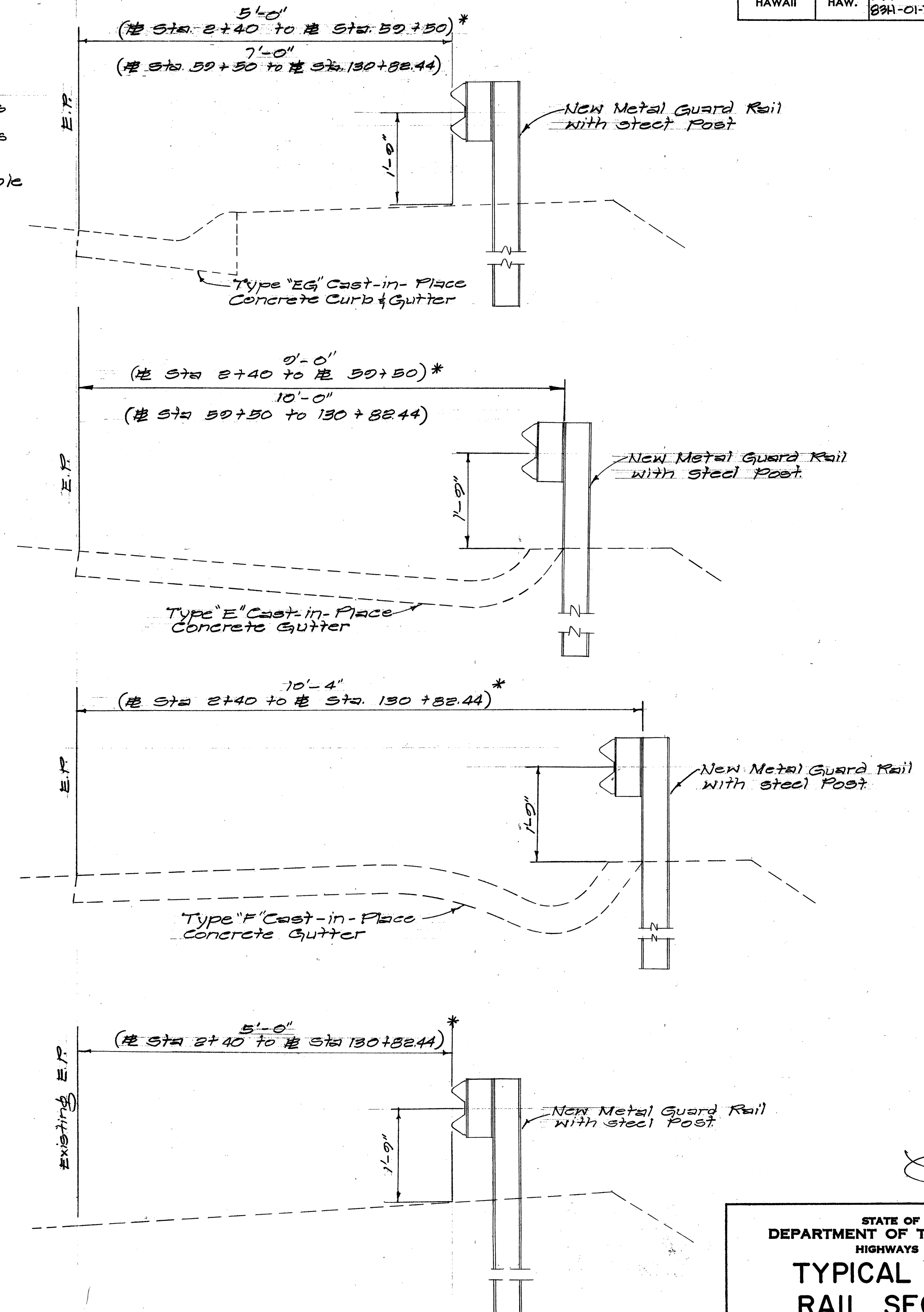


## GENERAL NOTES

- The exact location of the two (2) Project Information Signs shall be determined in the field by the Engineer.
- Replace all existing Wooden and Metal Guard Rails with New Metal Guard Rails and Steel Posts as shown on the Plans, unless noted otherwise. (All Steel Posts will be 5'-0" except where specified.)
- Removal of the existing Wooden Guard Rails shall be incidental to the New Metal Guard Rails. Wooden Guard Rails shall become the property of the Contractor.
- Approximately 510 Salvaged Concrete Posts shall be hauled and stockpiled as specified in the Special Provision or as directed by the Engineer.
- Salvaged Metal Guard Rails shall be hauled and stockpiled as specified in the Special Provisions or as directed by the Engineer.
- The location of all Underground Cables are approximate only. The Contractor shall notify the Hawaiian Telephone Company one (1) week prior to the installation of the Guard Rails to verify the location of all Underground Cables. Any damage to the existing cables shall be repaired at the expense of the Contractor.
- Where existing Guard Rails are to be replaced, the Contractor shall not remove more than 1,000 ft at any one time.
- The Contractor shall begin construction from Wilson Tunnel and proceed towards Kamehameha Highway under the direct supervision of the Engineer.
- The Contractor shall relocate all exist. mile markers & regulatory and warning signs in conflict with the New Metal Guard Rails under the direct supervision of the Engineer. Sign supported by pipes with diameters equal to or larger than 2 1/2" shall be placed in back of the New Metal Guard Rails. Relocation of signs shall be incidental to the New Metal Guard Rails.
- The Contractor shall verify in the field the minimum cover required over all existing culverts before setting the Guard Rail Posts. Where the min. cover is inadequate, the Contractor shall first locate and install the New Steel Posts adjacent to the exist. culvert under the direct supervision of the engineer, then proceed with the location and installation of the remaining portion of the New Metal Guard Rail.
- It is recommended that the Contractor check the min. cover over but not to be limited to, the following Existing Culverts:  
 # Sta. 16+65 Inbound Lane  
 # Sta. 43+25 Inbound & Outbound Lanes  
 # Sta. 90+82 Outbound Lane
- The Contractor shall space the New Steel Post at all ends of the New Guard Rails under the direct supervision of the Engineer.
- Maximum spacing of the Guard Rail Post shall not exceed 12'-6". Deviation from 6'-3" spacing may be permissible upon approval of the Engineer.
- The Contractor shall remove, clean, and relocate or replace all existing reflectorized delineators and place same in back of the New Metal Guard Rails. All work shall be done under the direct supervision of the Engineer. Relocation and or replacement shall be incidental to the New Metal Guard Rails.
- State Forces shall construct embankment in the areas noted on the plans. Therefore, the Contractor shall notify the State one (1) week prior to the removal of the exist. guard rails in these areas and coordinate all work with State Maintenance through the Project Engineer.
- The Contractor shall replant with grass, all areas which are exposed during construction, all areas under the direct supervision of the Engineer. Planting shall be incidental to the New Metal Guard Rails.
- All work to be done on the Inbound Lanes shall not be included in this contract.

## LEGEND

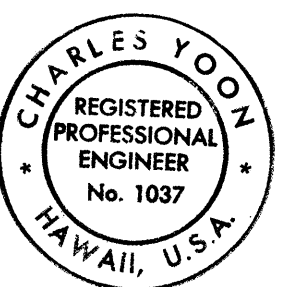
|  |                                                            |
|--|------------------------------------------------------------|
|  | Exist. Guard Rails                                         |
|  | Exist. Guard Rails to be replaced by New Metal Guard Rails |
|  | New Metal Guard Rails                                      |
|  | Exist. Signal Corps Cable                                  |



### Note

\* For the actual locations, refer to the Plans.

| FED. ROAD DIST. NO. | STATE | PROJ. NO.              | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 63A-11-71<br>83H-01-71 | 1972        | 2         | 16           |



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

## TYPICAL GUARD RAIL SECTIONS

PROJECT NOS.  
63A-11-71 and 83H-01-71

SCALE: 3/4" = 1'-0"

SHEET No. 1 OF 1 SHEETS