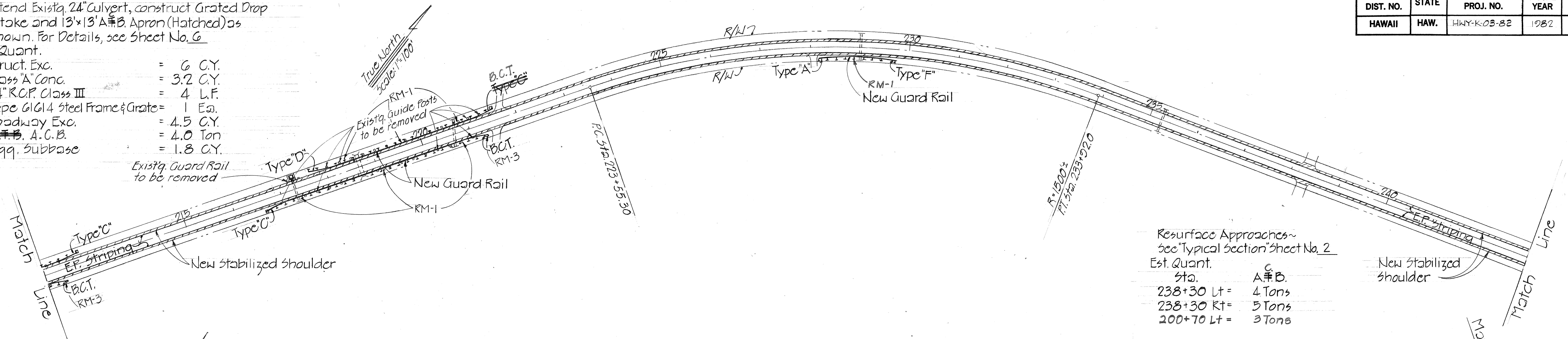


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-03-82	1982	3	14

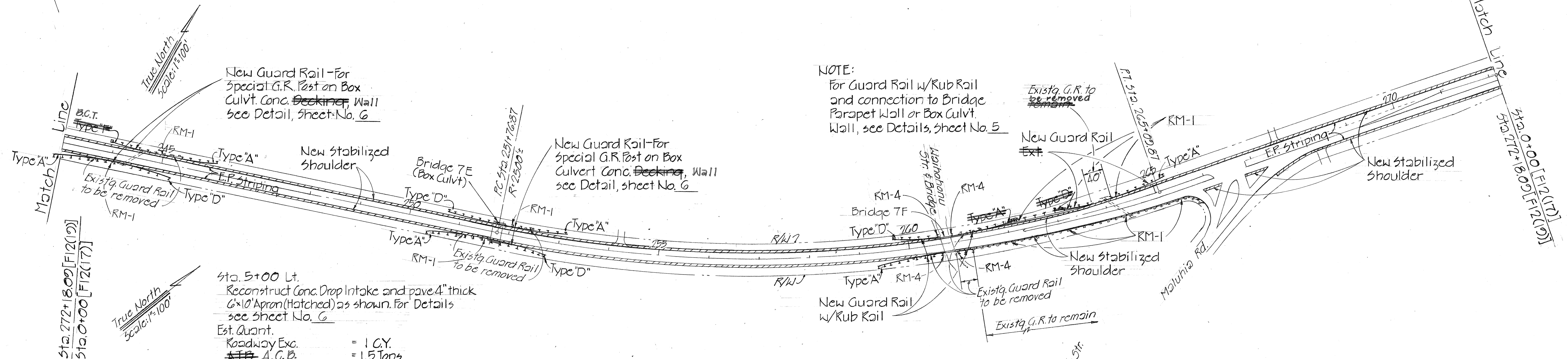
Sta. 217+30 Lt.
Extend Exstg. 24" Culvert, construct Grated Drop Intake and 13'x13' A.C.B. Apron (Hatched) as shown. For Details, see Sheet No. 6

Est. Quant.
Struct. Exc. = 6 C.Y.
Class A Conc. = 3.2 C.Y.
24" R.C.P. Class III = 4 L.F.
Type GIG4 Steel Frame & Grate = 1 Ea.
Roadway Exc. = 4.5 C.Y.
A.C.B. = 4.0 Ton
Aqg. Subbase = 1.8 C.Y.

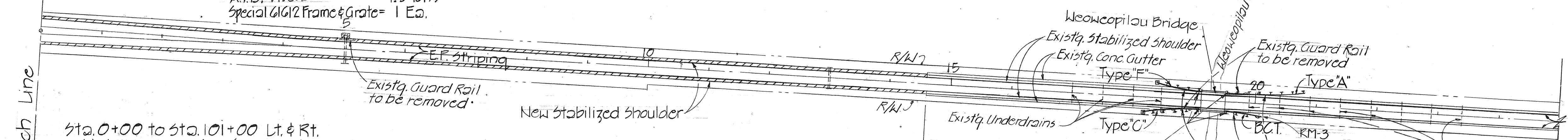


Resurface Approaches~
see 'Typical section' sheet No. 2
Est. Quant.
Sta. 238+30 Lt = 4 Tons
238+30 Rt = 5 Tons
200+70 Lt = 3 Tons

NOTE:
For Guard Rail w/ Rub Rail and connection to Bridge Parapet Wall or Box Culvt. Wall, see Details, sheet No. 5



Sta. 5+00 Lt.
Reconstruct Conc. Drop Intake and pave 4" thick 6'x10' Apron (Hatched) as shown. For Details see Sheet No. 6
Est. Quant.
Roadway Exc. = 1 C.Y.
A.C.B. = 1.5 Tons
Special GIG2 Frame & Grate = 1 Ea.



Sta. 0+00 to Sta. 101+00 Lt. & Rt.
Stabilize shoulders (Hatched areas) and stripe Edge of Pavement as shown. See 'Typical section' sheet No. 2
Est. Quant.
Roadway Exc. = 620 C.Y.
A.C.B. = 1231 Tons
Aqg. Subbase = 57 C.Y.
Weed Killer = 3046 S.Y.
Edge Striping = 67 Gal.

Sta. 18+15 to Sta. 64+65 Lt. & Rt.
Install Guard Rails and Delineators at locations as shown
Est. Quant.
See 'Guard Rails and Delineator Schedule' sheet No. 4

EXCEPTION
Sta. 14+50 to Sta. 41+20.70
Stabilized Shoulders only-Lt. & Rt.
Edge of Pavement to be striped

Sta. 18+15 to Sta. 12+10 Lt. & Rt.
Saw cut holes in existing Conc. Gutter for Guard Rail Posts and patch with mortar as directed by the Engineer. (Inc. to 'Guard Rail, Type 3-Single w/Steel Post')
Installing Guard Rail Posts at gutter Invert shall be avoided.

Sta. 18+60 to Sta. 12+02 Rt.
Sta. 12+65 to Sta. 23+53 Rt.
For installation of New G' Underdrain and Est. Quant., see Sheet No. 7

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
GUARD RAIL AND SHOULDER IMPROVEMENTS
AT OMAO BRIDGE TO HULEIA BRIDGE & HANAMAULU
PROJ. NO. HWY-K-03-82

PLANS

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTED BY	
NO.	