

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

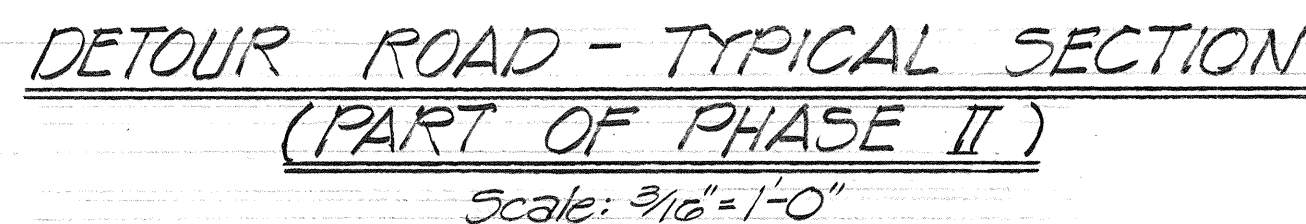
CONSTRUCTION SIGN PLAN,
DETOUR ROAD - NOTES, DETAILS

HAWAII BELT ROAD
SAFETY IMPROVEMENTS
VICINITY OF CITY OF REFUGE ROAD
Project No. 11B-02-89

Scale: As Noted Date: Apr. 1989

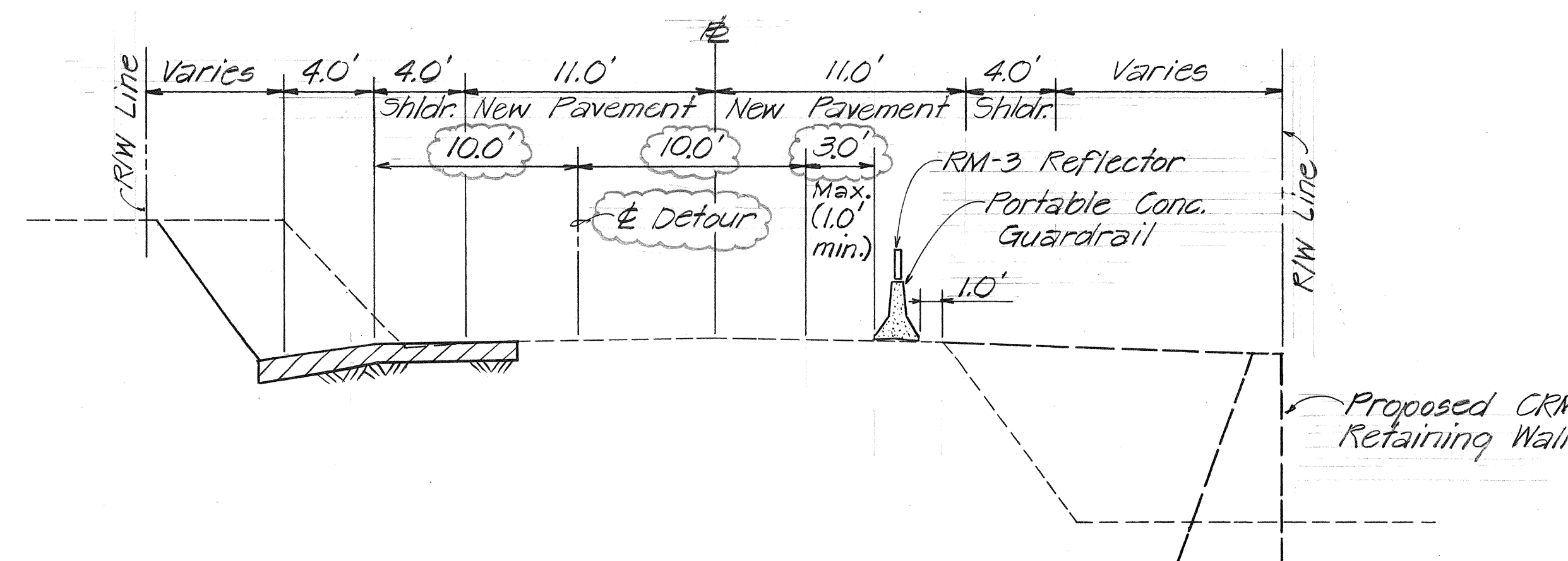
SHEET No. 1 OF 1 SHEETS

1. All roadway areas excavated adjacent to travelways shall be restored to smooth riding connection during work stoppages and non-working hours. Extreme measures shall be taken to prevent drop-offs within 4-feet of travelways.
2. Detour Plan shown is designed to provide for traffic during working and non-working hours. The exact limits and locations of detours shall be determined by the engineer in the field.
3. Control of traffic during working hours shall be in accordance with the requirements of Section 645- 'Traffic Control' of the Hawaii Standard Specifications for Road and Bridge Construction, 1985, as amended by the special provisions of this project.
4. Temporary pavement markers and striping shall be installed along detours and maintained at all times. Payment shall be made under item no. 629.1014 and item no. 629.1016 of the Proposal Schedule of this project.
5. Contractor's attention is called to specification 629.04 of the special provisions regarding temporary pavement marking and delineation of roadway.
6. Portable concrete guardrails provided by the contractor shall be in accordance with standard plan TE-64 and Section 646- 'Portable Concrete Guardrail Sections' of the special provisions. Payment shall be made under item no 646.1000 and item no. 646.1010 of the Proposal Schedule.
7. During work stoppages and non-working hours, unfinished work for the installation of culverts, culvert extensions, and drop-inlet structures may require temporary bridging w/skid proof steel plates within or adjacent to travelways. Temporary bridging and temporary backfilling of excavations, in order to support the steel plates, shall be approved by the engineer in the field. These items shall be considered incidental to the installation of the culvert, culvert extension, and drop-inlet.
8. Construction signs with posts provided for under item no 621.7120 and item no. 621.7121 shall be the State's property, after completion of project.
9. The contractor shall allow access to and from all existing driveways and sideroads at all times.
10. Type II Barricades with amber flashers shall be installed at both ends of each portable concrete guardrail arrangement. Cost to furnish and maintain these barricades with flashers will be incidental to the portable concrete guardrails.



TYPE	DESCRIPTION	QTY. EACH	
		W/POST	W/O POST
CW 13-1(25)A	25 M.P.H.		5
CW 20-1c	ROAD CONSTRUCTION 750FT.	2	
CW 20-4d	ONE LANE ROAD AHEAD	2	
CW 20-1d	ROAD CONSTRUCTION AHEAD	3	
CW 20-7a	FLAGMAN W/250 FEET	3	
CG 20-2a	END CONSTRUCTION	3	
	TOTALS	13	5

<u>DETOUR ROAD SUMMARY</u>								
ITEM NO.	Q29.	Q29.	Q29.	Q44.	Q46.	Q46.	Q21.	Q21.
	1014	1016	2094	1000	1000	1010	7120	7121
ITEM	Double Yellow 4-inch Temp. Paint Stripping for Detours (tape or paint)	Single White 4-inch Temp. Paint Stripping for Detours (tape or paint)	Type DL Temp. Pavement Markers	Traffic Delineators	Furnish and Install Portable Conc. Guardrail Intermediate Panel	Furnish and Install Por- table Conc. Guardrail End Panel (20' End Sections)	Construction Signs with 2 Metal Post	Construction Sign without Post
UNIT	L.F.	L.F.	EA.	EA.	L.F.	L.F.	EA.	EA.
TOTALS	1,075	2,000	51	35	540	160	13	5



ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY <u>JMK</u>	* <u>8/88</u>
	TRACED BY _____	*
	DESIGNED BY _____	*
	QUANTITIES BY _____	*
No. _____	CHECKED BY _____	