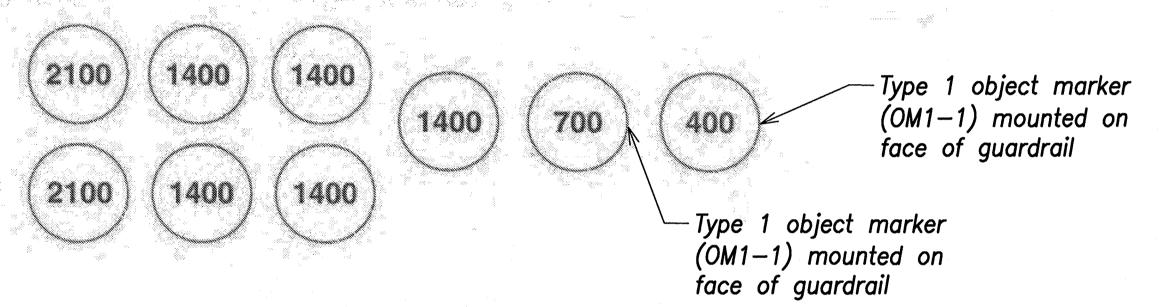
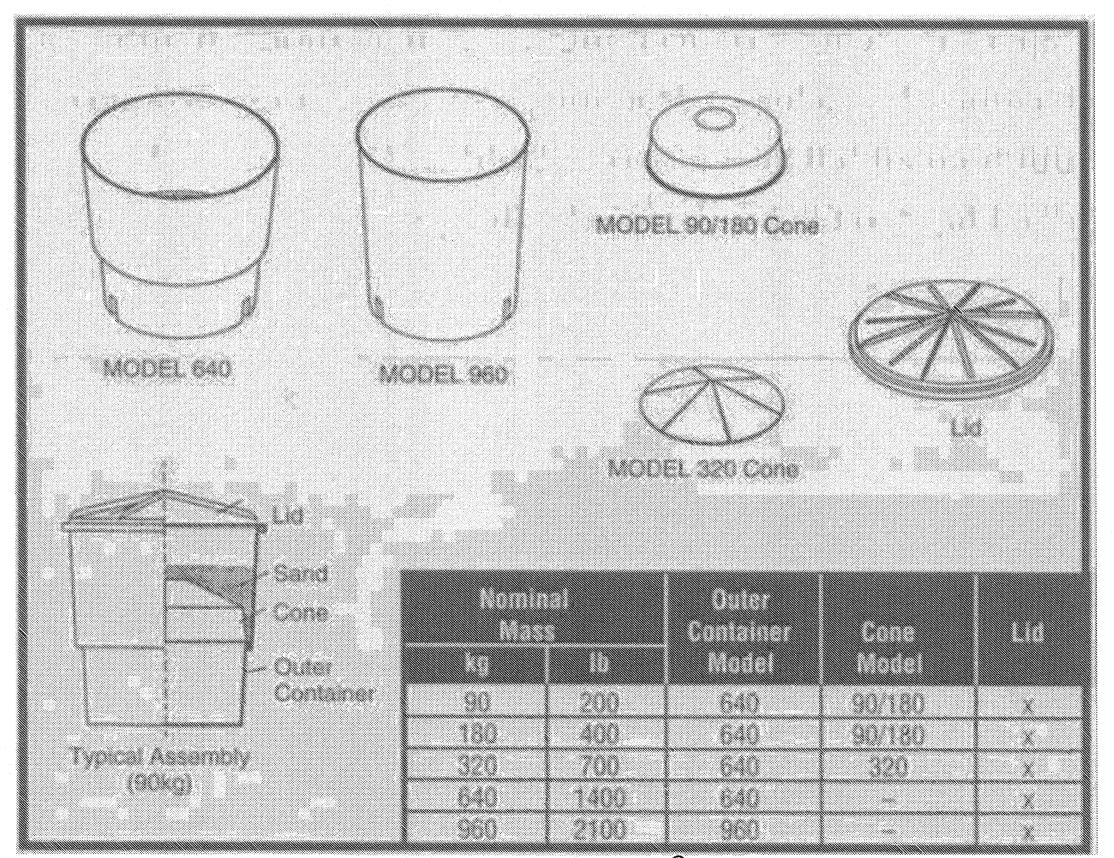
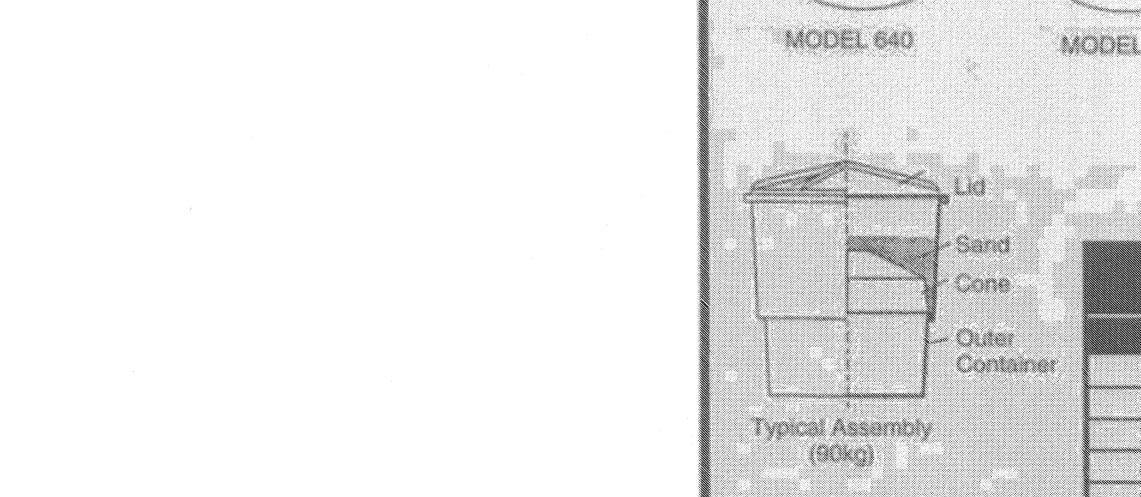
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-083-1(48)	2021	50	161

	SAND NASS (Ibs)	1800 lb vehicle			4500 lb vehicle		
ROW		EXITVEL (mph)	AVEGS FOR ROW	IMPULSE TIME	EXIT VEL	AVE GS FOR ROW	IMPULSE TIME
6		45.0			45.0		
	400	36.8	7.5	0.05	41.3	3.5	0.05
	700	26.5	7.3	0.06	358	4.8	0.05
	1400	14.9	5.4	0.10	27.3	60	0.06
) (A)	2800	5.8	2.1	0.20	18.8	. 51	0.09
6	2800	2.3	3	0.50	10.4	20	0.15
	4200	7		1.38	5.4		0.26







RMTC JOB NO. : 1-19548-0E

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. "OBSERVATION OF CONSTRUCTION" IS DEFINED IN CHAPTER 16-115, HAWAII ADMINISTRATIVE RULES, ENTITLED "PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS."

SIGNATURE LIC. EXPIRATION
R. M. TOWILL CORPORATION

DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

## CRASH CUSHION DETAILS

<u>Kamehameha Highway</u>
<u>Kaipapau Stream Bridge Replacement</u>
<u>Federal Aid Project No. BR-083-1(48)</u>

Scale: As Noted

Date: February 2021

F SHEETS

SHEET No. C-48 OF