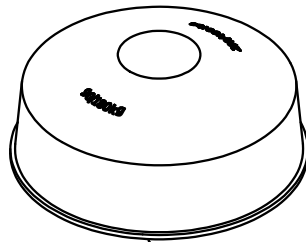
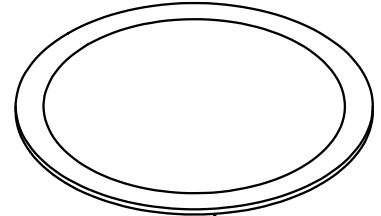


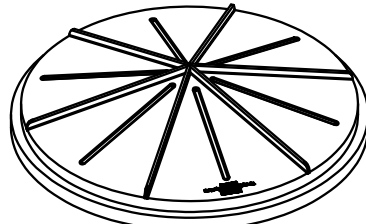
MODEL 2100  
OUTER CONTAINER



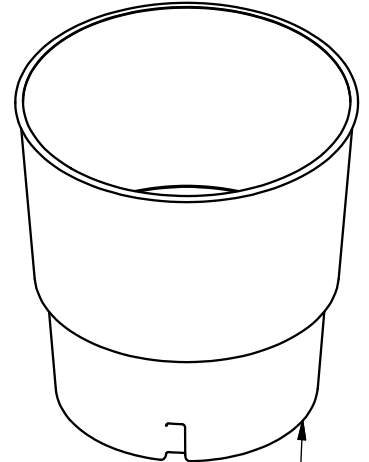
200 / 400 CONE



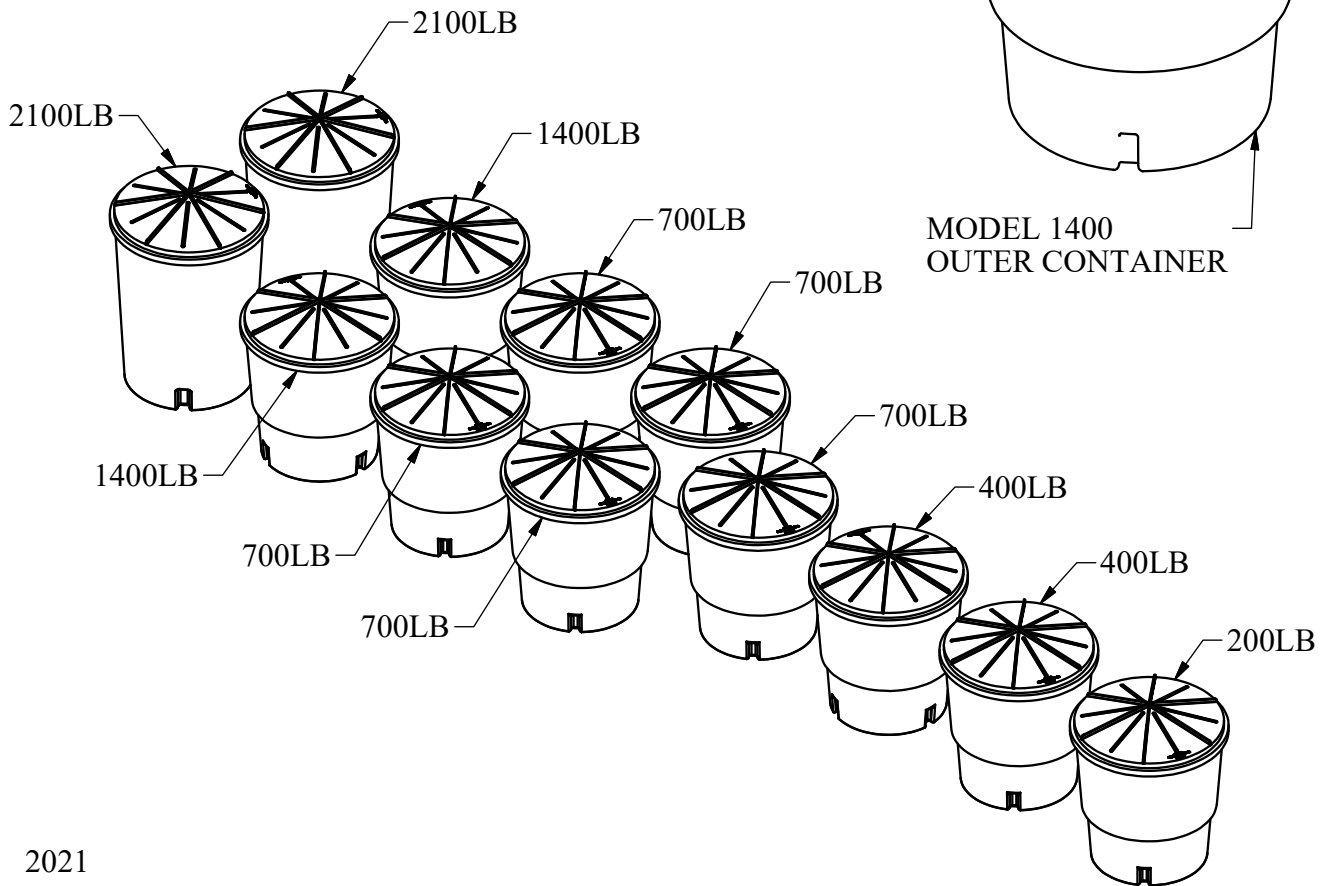
700 CONE



LID



MODEL 1400  
OUTER CONTAINER



2021

### ENERGITE III SAND BARREL ARRAY



# TRINITY HIGHWAY

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### INTENDED USE

The Energite® III Sand Barrel Array is a gating, non-redirective crash cushion designed to shield the end of rigid objects in both temporary and permanent roadside installations.

### FEATURES

The Energite® III Sand Barrel Array consists of twelve sand barrel modules positioned in a combined pattern of a single column of four barrels followed by two columns of four barrels deep. The barrels are spaced at least 6 in. apart front to back and 6 in apart maximum side to side. The approximate width of the array is 80 in. by 335.5 in. deep. The barrels are filled with washed concrete sand conforming to the ASTM C-33 standard. The amount of sand in each barrel varies, depending on the barrel's location in the array. The Energite® III Sand Barrel Array was tested on a level concrete surface but it may also be used on asphalt or smooth compacted soil.

Each sand barrel module in the array consists of a free-standing one-piece barrel and a 37 in. diameter snap-on lid. Inside each barrel is a label with demarcation fill lines and in some cases, an inner cone which locates the sand at the proper height. The Energite® III Sand Barrel Array utilizes two 2,100 lb. capacity barrels with an overall height with lid of 52.1 in. and ten 1400 lb. capacity barrels with an overall height with lid of 42.9 in. The barrels are arranged from front to back with gradually increasing weights. The initial eight 1,400 capacity barrels all have inner cones and are filled to obtain one 200 lb. barrel, two 400 lb. barrels, and five 700 lb. barrels. The remaining two 1,400 capacity barrels and two 2,100 lb. capacity barrels are filled without an inner cone, to obtain 1400 lb. and 2100lb. barrels respectively.

### ELIGIBILITY

The Energite® III Sand Barrel Array has been fully tested in conformance to MASH 2016 Test Level 3 and is determined eligible for Federal reimbursement by FHWA.

FHWA Eligibility Letter(s): CC-164 dated November 19, 2020 for MASH 2016 Test Level 3.

### REFERENCES

*Manual for Assessing Safety Hardware (MASH)*, American Association of State Highway and Transportation Officials (AASHTO), 2016.

### CONTACT INFORMATION

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## ENERGITE III SAND BARREL ARRAY

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**HIGHWAY**