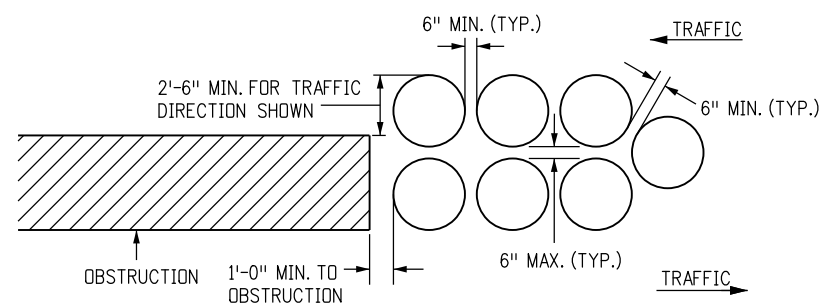
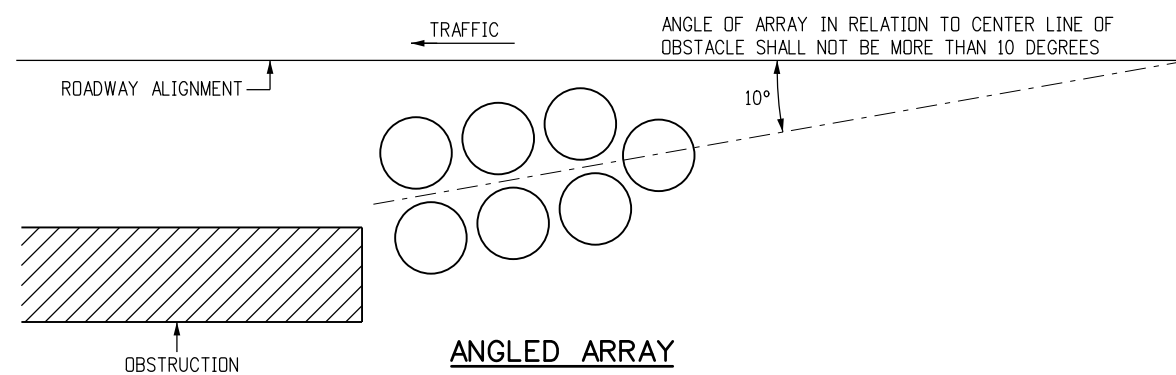


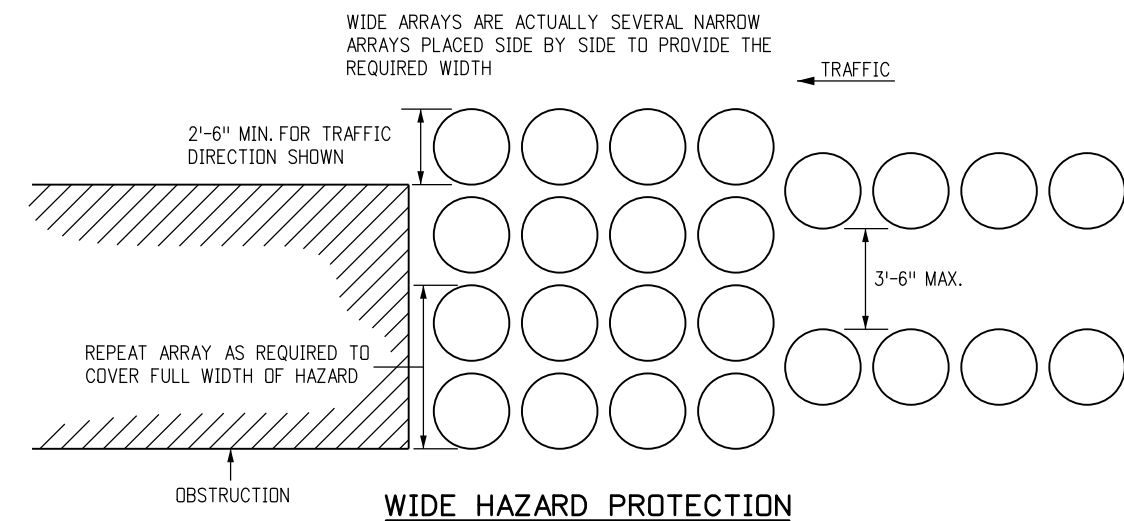
**UNIDIRECTIONAL**



**BIDIRECTIONAL**



**ANGLED ARRAY**

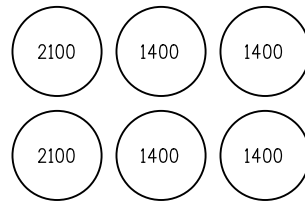


**WIDE HAZARD PROTECTION**

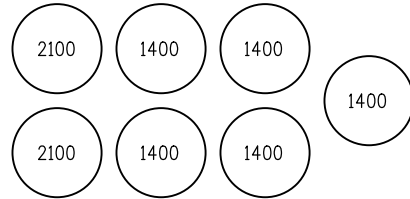
**GENERAL NOTES**

1. SAND SHALL BE MIXED WITH 5% SALT BY WEIGHT.
2. WHEN ARRAYS ARE PLACED ON STRUCTURES WHERE THE VIBRATIONS FROM MOVING TRAFFIC MAY CAUSE THE MODULES TO SHIFT, STEEL OR FORMED-IN-PLACE HMA HALF-RINGS MAY BE PLACED ON THE DOWNHILL SIDE OF THE MODULES TO PREVENT MOVEMENT. NAILS OR BOLTS MAY BE PLACED THROUGH THE BOTTOM OF THE OUTER CONTAINER INTO THE ROADWAY TO PREVENT MODULE MOVEMENT.
3. OFFSET THE ARRAY TO AVOID IMPACT TO THE REAR MODULE FROM WRONG-WAY VEHICLES.
4. ARRAYS SHALL NOT BE PLACED ON SLOPES WITH LATERAL OR HORIZONTAL GRADES OF 5% OR GREATER.
5. CURBS AND RAISED ISLANDS SHALL BE NO MORE THAN 4 IN. HIGH.
6. FOUNDATION PADS SHALL BE FLAT AND MADE OF 6 IN. THICK CONCRETE OR HMA.
7. INTERMIXING OF DIFFERENT BRANDS OF MODULES ARE ACCEPTABLE, IF THE MODULES ARE FHWA APPROVED, AND THE ARRAY MEETS THE DESIGN CRITERIA.
8. ARRAY CONFIGURATION MAY VARY IN LAYOUT AND SAND WEIGHT (LBS) PROVIDED THEY CONFORM TO MANUFACTURER'S DETAILS.

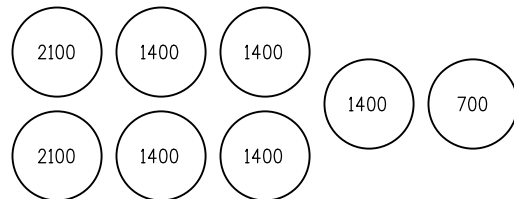
<b>Computer File Information</b>		<b>Sheet Revisions</b>		Colorado Department of Transportation  4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 Fax: (303) 757-9820 <b>Project Development Branch</b> <b>DD/LTA</b>	<h1>SAND BARREL ARRAYS</h1>	STANDARD PLAN NO.
Creation Date: 07/04/12	Initials: DD	Date:	Comments:			M-614-2
Last Modification Date: 07/04/12	Initials: LA					
Full Path: www.coloradodot.info/business/designsupport	(R-X)					
Drawing File Name: 614020102.dgn	(R-X)					
CAD Ver.: MicroStation V8	Scale: Not to Scale	Units: English			Issued By: Project Development Branch July 4, 2012	Sheet No. 1 of 2



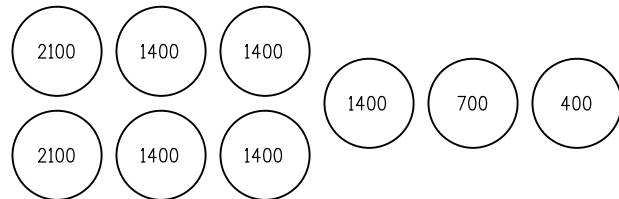
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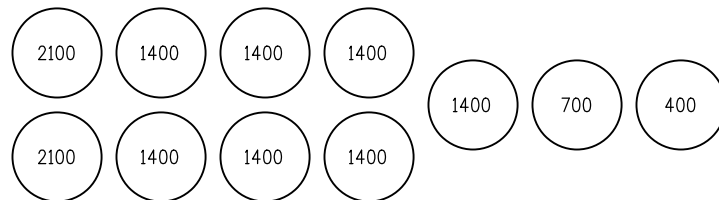
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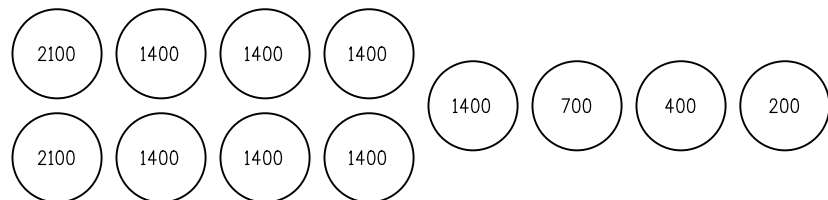
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**DESIGN SPEED 40 MPH**



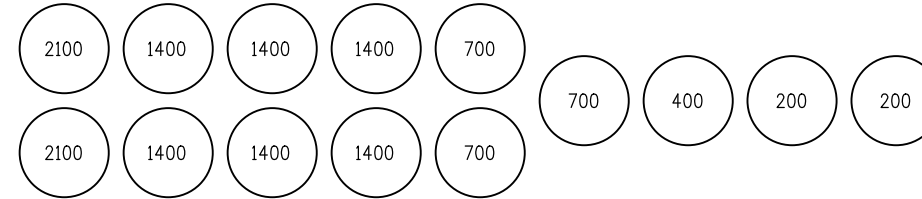
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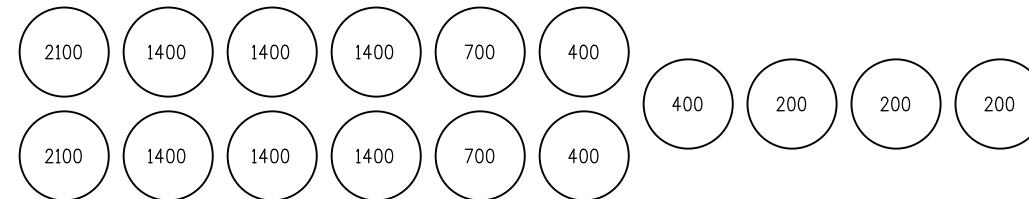
**DESIGN SPEED 50 MPH**

**NOTES**

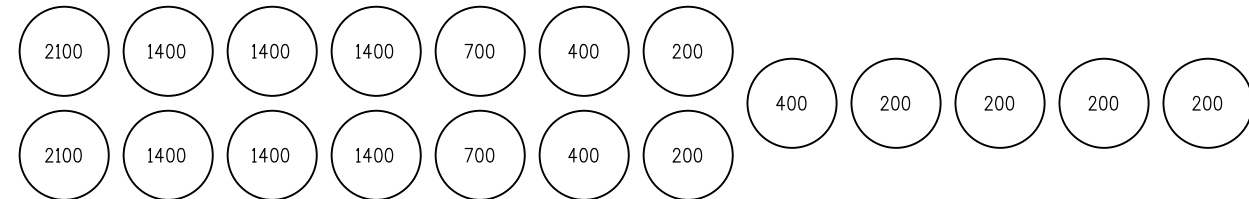
1. SAND WEIGHT (LBS) IN MODULES IS DENOTED BY THE NUMBERS IN THE ARRAY DETAILS.
2. ARRAY CONFIGURATION MAY VARY IN LAYOUT AND SAND WEIGHT (LBS) PROVIDED THEY CONFORM TO MANUFACTURER'S DETAILS.



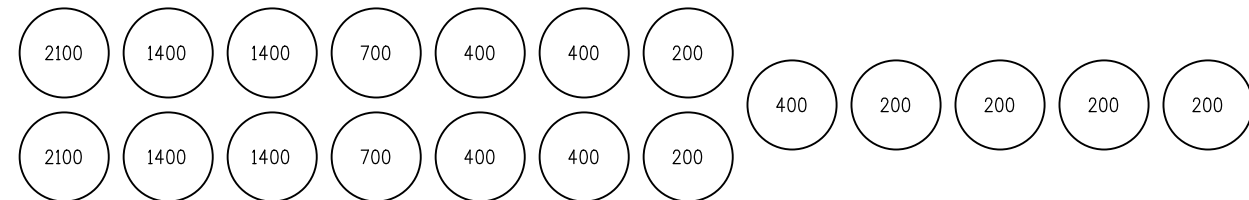
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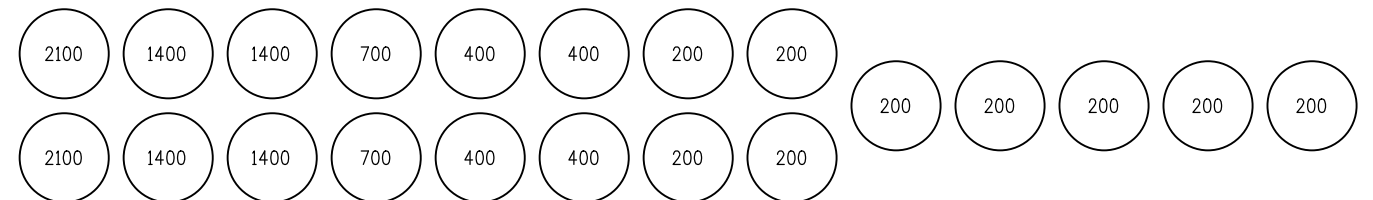
**DESIGN SPEED 60 MPH**



**DESIGN SPEED 65 MPH**



**DESIGN SPEED 70 MPH**



**DESIGN SPEED 75 MPH**

<b>Computer File Information</b>		<b>Sheet Revisions</b>		<b>Colorado Department of Transportation</b>  4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 Fax: (303) 757-9820 <b>Project Development Branch</b> DD/LTA	<b>SAND BARREL ARRAYS</b>	<b>STANDARD PLAN NO.</b>
Creation Date: 07/04/12	Initials: DD	Date:	Comments:			M-614-2
Last Modification Date: 07/04/12	Initials: LTA					
Full Path: www.coloradodot.info/business/designsupport	(R-X)					
Drawing File Name: 614020202.dgn	(R-X)					
CAD Ver.: MicroStation V8	Scale: Not to Scale	Units: English	(R-X)		Issued By: Project Development Branch July 4, 2012	Sheet No. 2 of 2