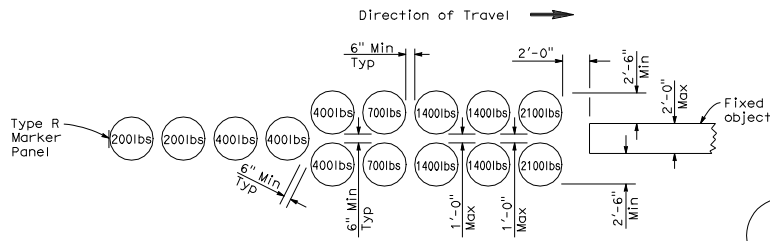
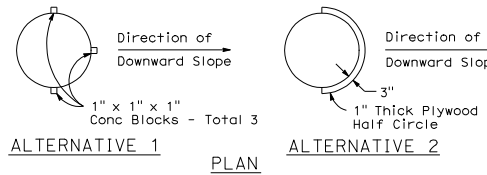


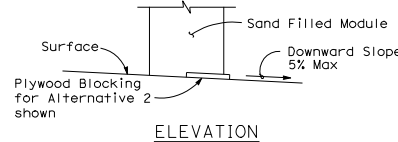
Direction of Travel →  
**ARRAY 'U11'**  
 Approach speed 45 mph or less



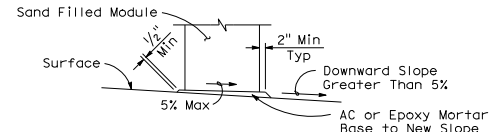
Direction of Travel →  
**ARRAY 'U14'**  
 Approach speed 60 mph or less



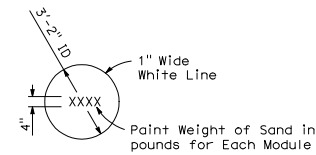
**ALTERNATIVE 1**      **ALTERNATIVE 2**  
 PLAN



**BRIDGE DECK MODULE BLOCKING DETAILS**  
 (See Note 6)



**SLOPED SEAT DETAIL**  
 (See Note 4)



**PAINTING DETAIL**  
 (See Note 5)

**NOTES:**

1. (XXX) Indicates module location and mass of sand in pounds for each module. Module spacing is based on the greater diameter of the modules.
2. All sand weights are nominal.
3. Each module is to contain amount of sand indicated, supported according to the manufacturer's instructions.
4. Modules shall be placed on asphalt concrete, epoxy mortar or concrete surface. Modules to be placed on surfacing with greater than 5% downward slope shall be seated as shown.
5. Mass of sand and outline of each module shall be painted on the surface at each module location.
6. Module blocking, epoxied to the deck surface, is required for all modules placed on bridge decks. Two acceptable alternatives are shown. Other alternatives recommended by the manufacturer and approved by the Engineer will be accepted.
7. Place the top of the Type R marker panel 1" below the module lid.
8. Approach speeds indicated conform to NCHRP Report Criteria.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**CRASH CUSHION,  
 SAND FILLED  
 (UNIDIRECTIONAL)**

NO SCALE

**A81A**

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
|      |        |       |                          |           |              |

*Randell D. Hiatt*  
 REGISTERED CIVIL ENGINEER

May 1, 2006  
 PLANS APPROVAL DATE

*Randell D. Hiatt*  
 No. C50200  
 Exp. 6-30-07  
 CIVIL  
 STATE OF CALIFORNIA

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