

Section 1016

- 1 (5) Portland Cement Concrete Pavement
- 2 Use standard size No. 57, No. 57M, No. 67 or No. 78M coarse aggregate in concrete
- 3 for Portland cement concrete pavement unless otherwise specified by the Engineer.
- 4 (6) Sand Lightweight Concrete
- 5 Use the following gradation for the lightweight coarse aggregate

TABLE 1014-1 GRADATION FOR LIGHTWEIGHT COARSE AGGREGATE	
Sieve Size	Passing Square Opening Sieves (Percent by Weight)
1"	100
3/4"	90 - 100
3/8"	10 - 50
No. 4	0 - 15

- 6 (7) Drilled Pier Concrete
- 7 Use standard size No. 78M coarse aggregate in Drilled Pier concrete.

**SECTION 1016
SELECT MATERIALS**

1016-1 DESCRIPTION

Select material is suitable material classified by gradation and performance characteristics as shown in this section. Use select material called for on the contract.

1016-2 USES

Select material may be specified for use in:

- | | |
|-------------------------|--------------------------------|
| Subgrade | Slope and shoulder embankment |
| Backfill in undercut | Rock embankment in open water |
| Core material | Material placement over fabric |
| Foundation conditioning | Pipe backfill |

With written approval and without additional compensation, a higher class of material may be substituted than stated in the contract.

1016-3 CLASSIFICATIONS

CLASS I

Class I select material is silty or clayey soil material meeting AASHTO M 145 for soil classification A-4. Soil materials which meet AASHTO M 145 for soil classifications A-2, A-5, A-6 and A-7 are acceptable provided such materials do not have a LL greater than 50, nor a PI of less than 7 or greater than 20.

CLASS II

Type 1 Select Material

Type 1 select material is a fine aggregate material consisting of crushed stone screenings (washed or unwashed) meeting the gradation in Table 1016-1.

**TABLE 1016-1
GRADATION FOR CLASS II, TYPE 1 SELECT MATERIAL**

Sieve	% Passing
3/8 in	100
#4	80 - 100
#10	65 - 95
#40	25 - 55
#200	0 - 20
LL	≤ 30
PI	≤ 6

1 **Type 2 Select Material**

2 Type 2 select material is a granular soil material meeting AASHTO M 145 for soil
3 classifications A-2-4 with a maximum PI of 6 and A-4 soil containing 45% maximum passing
4 a No. 200 sieve and a maximum PI of 6.

5 When a type is not specified, either type may be used, but no additional compensation will be
6 made.

7 **CLASS III**

8 **Type 1 Select Material**

9 Type 1 select material is a natural or manufactured fine aggregate material meeting the
10 graduation requirements of standard size 2S or 2MS in Table 1005-2 as described in
11 Sections 1005 and 1006.

12 **Type 2 Select Material**

13 Type 2 select material is a granular soil material meeting AASHTO M 145 for soil
14 classification A-1 or A-3.

15 When a type is not specified, either type may be used, but no additional compensation will be
16 made.

17 **CLASS IV**

18 Select material is a coarse aggregate material meeting the graduation requirements of standard
19 size ABC as described in Section 1010.

20 **CLASS V**

21 Select material is a coarse aggregate material meeting the graduation requirements of standard
22 size 78M in Table 1005-1 as described in Section 1005 and 1006.

23 **CLASS VI**

24 Select material is a coarse aggregate material meeting the graduation requirements of standard
25 size 57 in Table 1005-1 as described in Section 1005 and 1006.

26 **Class VII**

27 Select material is clean, unweathered durable, blasted rock material with the following
28 gradation:

29 **(A)** At least 50% of the rock has a diameter of from 1.5 ft to 3 ft,

30 **(B)** 40% of the rock ranges in size from 2" to 1.5 ft in diameter, and

31 **(C)** Not more than 10% of the rock is less than 2" in diameter. No rippable rock will be
32 permitted.