



STATE OF NORTH CAROLINA  
**DEPARTMENT OF TRANSPORTATION**

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**CONCRETE MIX DESIGN NEW NUMBERING SCHEME**

Previous mix design identifications have been replaced with a new numbering scheme. The "old" numbering system (2AA-67-43-122) has been replaced due to difficulty distinguishing between two plants using the same aggregates, or between brands of cement and brands of pozzolan. The new numbering scheme incorporates the producer's own mix number and provides immediate identification of concrete class and plant number, supplies codes for air-entrainment and vibration status, and pozzolan use. An example of the new numbering scheme is the following:

**1782VO03081BCE**

- 178 – The Ready Mix Plant's Certification Number
- 2 – Concrete Class (AA)
- V – Vibrated and Air-entrained
- O – Without Pozzolan
- 03081BC – Producer's Mix Number
- E – English

**CONCRETE MIX DESIGN CODES**

**Class of Concrete**

3 = Class AAA

2 = Class AA

R = Class AA, slip-form barrier rail

1 = Class A

B = Class B

M = Class B, curb & gutter machine

D = Drill shaft

S = Class S

T = Pavement

H = High early strength patch mix

F = Flowable fill

P = Prestress

E = Precast

L = Latex modified concrete

**Air-Entrainment and Vibration Status**

V = Vibrated and air-entrained

N = Non-vibrated and air-entrained

X = Vibrated and non air-entrained

Y = Non-vibrated and non air-entrained