

# 2009 FIRE PREVENTION CODE

## CHAPTER 5

March 2011

CODE REVIEW

Code Quick Review -  
Easy Access to Review  
Topics

### Fire Apparatus Access Roads 503.1 Provisions and Maintenance Part II

**References:**

**North Carolina Fire  
Prevention Code**, 2009  
Edition;  
Section 503.1.1, pg 41  
Section 2306.6, pg 221

*\*NC Department of  
Insurance, Office of the State  
Fire Marshal, Interpretation.*

**503.1.2 Additional access.** The fire code official is authorized to require more than one fire apparatus access road based on the potential for impairment of a single road by vehicle congestion, condition of terrain, climatic conditions or other factors that could limit access.

- The fire code official's knowledge of traffic patterns and conditions, history of severe weather, road impairments, or anticipated magnitude of an incident provide them the ability to require additional access for the fire apparatus.
- This additional access provides the responders the capability to reduce response times.



# 2009 FIRE PREVENTION CODE

## CHAPTER 5

March 2011

CODE REVIEW

Code Quick Review -  
Easy Access to Review  
Topics

### Fire Apparatus Access Roads

#### 503.1 Provisions and Maintenance Part II

**503.1.3 High-piled storage.** Fire department vehicle access to buildings used for high-piled combustible storage shall comply with the applicable provisions of Chapter 23.

- The requirements of Chapter 23 are the same as Section 503, except the apparatus access road is limited to 150 feet for several storage situations.
- Those allowed to be extended are denoted by footnote e in Table 2306.2

**2306.6 Building access.** Where building access is required by Table 2306.2, fire apparatus access roads in accordance with Section 503 shall be provided within 150 feet (45 720 mm) of all portions of the exterior walls of buildings used for high-piled storage.

**Exception:** Where fire apparatus access roads cannot be installed because of topography, railways, waterways, non-negotiable grades or other similar conditions, the fire code official is authorized to require additional fire protection.

- Buildings or portions thereof meeting the following conditions **shall not** have portions of fire apparatus access roads that are greater than 150 feet from all portions of the facility and/or exterior walls.
- Storing Class I – IV commodities:
  1. 2,501 – 12,000 square feet of storage area that is nonpublic accessible (Option 2).
  2. 12,001 – 20,000 square feet of storage area.
  3. 20,001 – 50,000 square feet of storage area.
  4. Greater than 50,000 square feet of storage area.
- Storing High Hazard commodities:
  1. 501-2500 square feet of storage that is nonpublic accessible (Option 2).
  2. 2,501 – 300,000 square feet of storage.
  3. 300,000 – 500,000 square feet of storage.