**BLASTING:**

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| (2-16-16) | 220 | SP2 R88B |

Revise the *2012* *Standard Specifications* as follows:

**Page 2-8, Article 220-1 DESCRIPTION**, line 22, delete “cushion, ”.

**Page 2-8, Article 220-1 DESCRIPTION**, line 23, add the following after the third sentence:

Unless required otherwise in the contract, design blasts for the vibration and air overpressure limits in this section.

**Page 2-9, Subarticle 220-3(A) Vibration and Air Overpressure Limits**, line 18, add the following to the end of Subarticle 220-3(A):

Unless required otherwise in the contract or directed, design production and trench blasts in accordance with the following:

1. Production Blasting
2. For rock cut slopes steeper than 1.5:1 (H:V) without pre-splitting, do not use production blast holes more than 4" in diameter within 10 ft of finished slope faces or neat lines
3. Do not drill production holes below bottom of adjacent pre-split blast holes
4. Use delay blasting to detonate production blast holes towards a free face
5. Trench Blasting
6. Do not use trench blast holes more than 3" in diameter
7. Do not use ANFO or other bulk loaded products
8. Use cartridge explosives or other explosive types designed for trench blasting
9. Use charges with a diameter of 1/2" to 3/4" less than the trench blast hole diameter