

JOB 040901
HWY. 22 – GUN CLUB RD. (F)
SEPTEMBER 18, 2024

Question:

Are you allowing alternate designs for the strand patterns for the beams?

Answer:

In accordance with Prestressed Girder notes on General Notes - Alternate No. 1, Sheet 313, and with Job Special Provision "Prestressed Concrete Bulb-Tee Girders", the planned BT-72 prestressed girders may be substituted with alternate girder types or strand arrangements, with the approval of the Engineer. The substitution request must be supported by design calculations and drawings prepared by an Arkansas Licensed Professional Engineer in accordance with plan, specification, and special provision requirements.

Question:

Will other types of stone other than limestone be allowed such as sandstone?

Answer:

Regarding Abutment Stone, other types of materials, such as sandstone, are acceptable as specified in Section 816.02 of the AHTD Standard Specifications for Highway Construction 2014 Edition.

"816.02 Materials. (a) Stone. Stone for filter blanket and riprap shall be obtained from an approved source and shall consist of sandstone, limestone, or other hard and durable stone that will be resistant to the action of air and water. Riprap stone shall consist of field stone or quarry stone with angular or fractured faces, weighing not less than 140 pounds per solid cubic foot (2200 kg per solid cubic meter). As an alternate to stone, steel slag from an approved source and with the same weight requirements as above may be used. Material for filter blanket and riprap shall be hard and durable and from a source with a percent of wear not greater than 45 by the Los Angeles Test (AASHTO T 96)."

Question:

There seems to be a difference between the minimum specific gravity of 2.62 and the minimum weight of 150 pounds per cubic foot. Will materials meeting the minimum weight of 150 pounds per cubic foot but not meeting the 2.62 specific gravity be allowed?

Answer:

Regarding Revetment Stone, materials meeting a minimum specific gravity of 2.62, which corresponds to a density of 163 pounds per cubic foot, shall be used. An addendum will be issued to revise the SP's language to state this.