

**Call 03 Bridge Replacements on SR 7 at Bridge Nos. 154.0, 154.8, 155.0, known as Federal Aid Project No. BR-0019-02(041) / 105189301 in Marshall County.**

- Q1. In regards to pay item 815-A009 loose rip rap size 300 where is this material intended to be placed on the project?
- A1. See the upcoming addendum for this project.
- Q2. Will you be including a pay for Sediment Control Stone?
- A2. Yes, see the upcoming addendum for this project.
- Q3. We cannot figure out how the piling quantities were calculated. It appears they will under run.
- A3. The quantities have been rechecked and the Contractor should bid as per the plans.
- Q4. Can fill dirt be put in where pile bents are in order to pour pile encasements then removed since most of the bents are in water?
- A4. See Addendum #2 for this project.
- Q5. What is the compaction requirements on the granular material bridge lift?
- A5. Compaction of the material will consist of use of a smooth-wheel vibratory roller using 3 to 5 passes or as directed by the Engineer.
- Q6. Clearing plan notes 19, 20, 30, & 31 needs clarification. Seems to conflict in places.
- A6. See the Addendum for this project.
- Q7. Note 16 about removal of vegetative material before placement of granular material. Since it has to be absorbed, to what depth will the removal be required? Will this be back filled with a different material or granular material? If granular material, that might create a bathtub effect depending on the native material.
- A7. This is Note is in reference to granular material to be placed as shoulder gravel and existing vegetation will need to be bladed off before placing new material to the satisfaction of the Engineer.
- Q8. The typical section of the bridge material shows riprap armoring. What size riprap is required? Quantity takeoff seems to point to 300 lb. riprap, but we are unsure.
- A8. In Addendum #1, Sheet 8, TS-3, now shows that Layer #8 is to be 300# Riprap
- Q9. Where is the 3,100 tons of 100 lb. riprap supposed to be placed?

- A9. Addendum #1 for this project now clarifies this issue for placement as Riprap for Erosion Control.
- Q10. The volume calculations for the granular material seem off. The theoretical volume was computed then multiplied by 1.5 to convert to LVM then multiplied by 1.25 for shrinkage. Does MDOT expect the ground to settle that much? What is the reason behind the 1.25 shrinkage factor?
- A10. This is the Department's estimate for this bridging layer, since the amount of displacement of underlying material will be highly variable.
- Q11. Our calculations show a large under run in Class 3 granular material and the stone base items.
- A11. The quantities were rechecked, please bid as per the plans.