

**GRADING AND BASE INSPECTION**  
**Study Questions**

Sections of the 2007 Standard Specification for State Road and Bridge Construction for this study guide:

- Division 150 for Equipment
- Division 200 for Earthwork
- Division 300 for Stabilized Subgrade, Base and Shoulders
- Division 900 for Roadside Improvement, Planting and Seeding
- Division 1900 for Culvert, Sewer and Underdrain Pipe

Part IV and V (Appendix A & B for Sample and Testing Frequency Charts)  
of the Construction Manual

1. On subgrade modification do not incorporate calcium chloride, cement or fly ash if the air temperature is expected to fall below \_\_\_\_\_°F during the first 24 hours after compaction?
  
2. If the application rate of lime is not shown in the contract documents, assume a rate of \_\_\_\_\_% of the weight of soil?
  
3. On an aggregate base course project without shoulders, construct all lifts, regardless of thickness, with an edge slope of \_\_\_\_\_ or flatter?
  
4. When designated in the contract documents, the contractor has the option to construct the foundation stabilization \_\_\_\_\_ inches thick, according to the details shown, or underrun the item when deemed necessary?
  
5. At least 30 days after the installation and backfilling either PE or PVC pipe the maximum barrel deflection of the pipe shall not exceed \_\_\_\_\_%?