

## **Highway Design Manual (Volume I)** **List of Major Revisions to Chapter 07**

1. **Introduction**
  - a. Added clarification to structures that are designed by Bridge Design, and those that are designed by Highway Design.
2. **General Procedure**
  - a. No major changes.
3. **Safety**
  - a. Changed heading to “Roadside Safety”
  - b. Added berm construction considerations to objects outside the clear, zone, that if hit, would become potential hazards in the travel way such as ITS camera poles.
  - c. Added considerations for other roadside features such as retaining walls, sound abatement walls.
4. **Bridge Design**
  - a. Added references to the NHDOT Bridge Design Manual.
  - b. Added bullets and detail to “Establishing Bridge Criteria”.
  - c. Added bullets and detail to “Initial Bridge Plan Coordination”.
  - d. Added bullets and detail to “Final Bridge Plan Coordination”
5. **Retaining Walls**
  - a. Added considerations for the layout and design of retaining walls.
  - b. Added several wall types.
6. **Sound Barriers and Berms**
  - a. New section.
7. **Sign, Light, and Signal Supports**
  - a. Added ITS information.
8. **Reinforced Soil Slopes**
  - a. New section.
9. **Pavement Structure**
  - a. Changed heading to “Roadway Pavement Structure”.
  - b. Added several treatment type discussions.
  - c. Added preventative preservation/maintenance discussion.
  - d. Added discussion on the pavement report and what it should contain.
10. **References**
  - a. New section.
11. **Appendix**
  - a. No Appendices were added.
  - b. Appendix 7-01
    - i. Added new materials under the Soil Support Values Table, including reclaimed stabilized base.
    - ii. Added an Excel version of the SN calculation in addition to the nomograph solution with “Trial” examples.