**References to use with each Exam Section**

**The list can be updated to help future takers, info based on the April 2024 update.**

1. **Project Management (6-9 Questions)**
   1. NCEES Reference
2. **Traffic Engineering (10-15 Questions)**
   1. Highway Compacity Manual (Vol 1-4)
   2. Geometric Design of Highways and Streets/ GreenBook (GDHS)
   3. Highway Safety Manual
   4. \*School of PE (SoPE) Recommends others but NCEES will not have on Test Day\*
3. **Roadside and Cross-Section Design (7-11 Questions)**
   1. Roadside Design Guide
   2. Geometric Design/ GreenBook (GDHS)
   3. Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD)
   4. Highway Safety Manual
   5. Guide for the Planning, Design, and Operation of Pedestrian Facilities
4. **Horizontal Design (8-12 Questions)**
   1. Geometric Design/ GreenBook (GDHS)
   2. Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD)
5. **Vertical Design (8-12 Questions)**
   1. Geometric Design/ GreenBook (GDHS)
   2. Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD)
6. **Intersection Geometry (7-11 Questions)**
   1. Geometric Design/ GreenBook (GDHS)
7. **Traffic Signals (5-8 Questions)**
   1. Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD)
   2. Highway Capacity Manual (Vol 3&4)
   3. \*SoPE Recommends more/other references\*
8. **Traffic Control Design (5-8 Questions)**
   1. Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD)
   2. Geometric Design/ GreenBook (GDHS)
   3. General Safety equipment knowledge
9. **Geotechnical and Pavement (6-9 Questions)**
   1. Guide for Design of Pavement Structures
   2. Mechanistic-Empirical Pavement Design Guide
10. **Drainage (8-12 Questions)**
    1. Hydraulic Design of Highway Culverts