| **Item #** | **Review Item** | **Yes** | **No** | **N/A** |
| --- | --- | --- | --- | --- |
|  | **General** | | | |
|  | NCDOT Certified Laboratory Technician signature and number affixed to results? |  |  |  |
|  | **Classification of Soils and Soil-Aggregate Mixtures (AASHTO M 145)** | | | |
|  | Sample number |  |  |  |
|  | Boring identification |  |  |  |
|  | * 1. Alignment |  |  |  |
|  | Northing |  |  |  |
|  | Easting |  |  |  |
|  | Depth interval of sample |  |  |  |
|  | AASHTO classification with Group Index |  |  |  |
|  | Liquid Limit |  |  |  |
|  | Plasticity Index |  |  |  |
|  | Minus 2.00 mm (No. 10 Sieve) Fraction (Soil Mortar) coarse sand, fine sand, silt, clay equals 100 percent |  |  |  |
|  | Percent retained No. 4 sieve |  |  |  |
|  | Percent passing No. 10 sieve |  |  |  |
|  | Percent passing No. 40 sieve |  |  |  |
|  | Percent passing No. 200 sieve |  |  |  |
|  | Moisture content to the nearest 0.1 percent (optional for A-1 and A-3 materials) |  |  |  |
|  | **Materials Finer Than 75-m (No. 200) Sieve by Washing (AASHTO T 11)** | | | |
|  | Sample number |  |  |  |
|  | Boring identification |  |  |  |
|  | Alignment |  |  |  |
|  | Northing |  |  |  |
|  | Easting |  |  |  |
|  | Depth interval of sample |  |  |  |
|  | Percent of material finer than the No. 200 sieve to the nearest whole number |  |  |  |
|  | **Sieve Analysis of Fine and Coarse Aggregates (AASHTO T 27)** | | | |
|  | Sample number |  |  |  |
|  | Boring identification |  |  |  |
|  | Alignment |  |  |  |
|  | Northing |  |  |  |
|  | Easting |  |  |  |
|  | Depth interval of sample |  |  |  |
|  | Total percent of material passing each sieve to the nearest whole number |  |  |  |
|  | **Moisture Content of Soils (AASHTO T 265)** | | | |
|  | Sample Number |  |  |  |
|  | Boring identification |  |  |  |
|  | Alignment |  |  |  |
|  | Northing |  |  |  |
|  | Easting |  |  |  |
|  | Depth interval of sample |  |  |  |
|  | Moisture content to the nearest 0.1 percent |  |  |  |
|  | **Organic Content by Loss on Ignition (AASHTO T 267)** | | | |
|  | Sample Number |  |  |  |
|  | Boring identification |  |  |  |
|  | Alignment |  |  |  |
|  | Northing |  |  |  |
|  | Easting |  |  |  |
|  | Depth interval of sample |  |  |  |
|  | Percent of organic content to the nearest 0.1 percent |  |  |  |
|  | **pH of Soil (AASHTO T 289)** | | | |
|  | Sample Number |  |  |  |
|  | Boring identification |  |  |  |
|  | Alignment |  |  |  |
|  | Northing |  |  |  |
|  | Easting |  |  |  |
|  | Depth interval of sample |  |  |  |
|  | PH value to the nearest tenth of a whole number |  |  |  |

*For items marked* ***No****, provide comments or action items in the table below.*

| **Item #** | **Comments and Action Items** |
| --- | --- |
| Click to edit. | Click to edit. |

|  |
| --- |
| **This checklist may not be comprehensive to every project. All items may not be applicable for smaller projects. It is the responsibility of the reviewer to ensure that all necessary information has been provided and an adequate review performed.** |

|  |  |  |  |
| --- | --- | --- | --- |
| **QC Reviewer Name:** | Click to edit. | **Date:** | Click to edit. |
| **QC Reviewer (Signature):** |  | | |