| **Item #** | **Review Item** | | **Yes** | **No** | **N/A** |
| --- | --- | --- | --- | --- | --- |
|  | Inventory Text Report | | | | |
|  | Inventory text sheets are numbered appropriately (either as separate 8.5x11 sheets or included within 11x17 inventory report as 3A, 3B, etc.)? |  | |  |  |
|  | Project description matches roadway title sheet? |  | |  |  |
|  | Description of proposed project is appropriate? |  | |  |  |
|  | Description of existing subgrade materials encountered matches Pavement Investigation Data Sheets (PIDS)? |  | |  |  |
|  | Description of anticipated borrow appropriate based on materials encountered and local geology? |  | |  |  |
|  | Project length matches roadway title sheet? |  | |  |  |
|  | Description of existing pavement condition is clear and appropriate based on PIDS and core photographs? |  | |  |  |
|  | List and details for Areas of Special Geotechnical Interest is complete and correct based on PIDS? |  | |  |  |
|  | Areas of Special Geotechnical Interest are complete based on subsurface investigation |  | |  |  |
|  | Undisturbed and bulk samples tested on the project are listed in the report |  | |  |  |
|  | Title Sheet | | | | |
|  | Description, County, Project (WBS) and Reference (TIP) Numbers Correct | |  |  |  |
|  | Table of Contents Included | |  |  |  |
|  | Title Sheet Cross Section column headings added | |  |  |  |
|  | Title Sheet Appendix column headings added | |  |  |  |
|  | Table of Contents Correct | |  |  |  |
|  | Correct Title Sheet Used (check caution notice for Design-Build language) | |  |  |  |
|  | Personnel included and date correct | |  |  |  |
|  | Sealed | |  |  |  |
|  | Legend Sheet(s) | | | | |
|  | Current legend used (DATE: 8-15-14 in lower right corner) | |  |  |  |
|  | Terrain model used for existing elevations listed | |  |  |  |
|  | Equipment list correct, all rigs and equipment from field logs included | |  |  |  |
|  | All abbreviations included in the note section that are not listed such as FIAD | |  |  |  |
|  | Supplemental Legend for Geological Strength Index included for projects with rock coring | |  |  |  |
|  | Roadway Title Sheet | | | | |
|  | Roadway Title Sheet included as Sheet 3 | |  |  |  |
|  | All reference files are displaying in vicinity map | |  |  |  |
|  | Inventory Text Report | | | | |
|  | Inventory text sheets are number appropriately (3A, 3B, 3C, etc.) | |  |  |  |
|  | Project description is appropriate | |  |  |  |
|  | List of alignments investigated with begin and end construction stations | |  |  |  |
|  | Physiography and geology of the region and corridor are correct | |  |  |  |
|  | Origin, occurrence, and minerology of soils encountered is correct | |  |  |  |
|  | Rock type is correct | |  |  |  |
|  | Groundwater depth and occurrence matches boring logs | |  |  |  |
|  | Locations of wells, lakes or ponds affected by the project are listed | |  |  |  |
|  | Areas of Special Geotechnical Interest are complete based on subsurface investigation | |  |  |  |
|  | Undisturbed and bulk samples tested on the project are listed in the report | |  |  |  |
|  | Site Plan | | | | |
|  | Alignment and Station Intervals shown | |  |  |  |
|  | North arrow shown and correct | |  |  |  |
|  | Scalable to common engineer scale | |  |  |  |
|  | Existing and proposed roadway shown (final survey, design) | |  |  |  |
|  | Boring symbols correct for type of boring | |  |  |  |
|  | Boring Symbols plotted in correct alignment, station, offset as on field/final logs | |  |  |  |
|  | Borings labeled with identifiers | |  |  |  |
|  | Origin contacts are shown throughout the project corridor and origins labeled | |  |  |  |
|  | Correct line style is used for origin boundaries | |  |  |  |
|  | Springs, seeps, wells, lakes, and ponds are shown | |  |  |  |
|  | Profile | | | | |
|  | Existing ground line shown and reference noted on Legend Sheet | |  |  |  |
|  | Scalable to common engineer scale (10, 20, 30, 40, 50, 60) horizontally and vertically with any exaggeration noted | |  |  |  |
|  | Boring cylinders are at correct station per field logs | |  |  |  |
|  | Boring identifier, station, offset and alignment shown above boring | |  |  |  |
|  | Sample designations for tested samples above correct boring cylinders | |  |  |  |
|  | Shelby Tube and/or rock tests are shown at appropriate depth (if tested) | |  |  |  |
|  | N-Values correct per field logs | |  |  |  |
|  | Soil symbology correct | |  |  |  |
|  | If groundwater encountered, water symbol shown with date (depth and 0 or 24 hour) or Dry or FIAD used at bottom of cylinder with date | |  |  |  |
|  | Termination or refusal noted at bottom of cylinder | |  |  |  |
|  | Soil Description and Rock Description in correct locations and complete | |  |  |  |
|  | Stratigraphy appears geologically reasonable | |  |  |  |
|  | Cross Sections | | | | |
|  | All cross sections needed for Roadway Recommendations graphic report are included in the Inventory report | |  |  |  |
|  | Scalable to common engineer scale (10, 20) | |  |  |  |
|  | Boring identifier, station, offset and alignment shown above boring | |  |  |  |
|  | Sample designations for tested samples above correct boring cylinders | |  |  |  |
|  | Shelby Tube and/or rock tests are shown at appropriate depth (if tested) | |  |  |  |
|  | N-Values correct per field logs | |  |  |  |
|  | Soil symbology correct | |  |  |  |
|  | If groundwater encountered, water symbol shown with date (depth and 0 or 24 hour) or Dry or FIAD used at bottom of cylinder with date | |  |  |  |
|  | Termination or refusal noted at bottom of cylinder | |  |  |  |
|  | Soil Description and Rock Description in correct locations and complete | |  |  |  |
|  | Stratigraphy appears geologically reasonable | |  |  |  |
|  | Soil stratigraphy matches that shown on profiles | |  |  |  |
|  | Final Logs | | | | |
|  | Boring logs included for any borings not shown on profile or cross section | |  |  |  |
|  | Header information complete and correct per redlined field logs | |  |  |  |
|  | Blow counts correct | |  |  |  |
|  | N-Value and graph complete and correct | |  |  |  |
|  | Moistures complete and correct (Description letter or percent) | |  |  |  |
|  | Soil descriptions complete and match legend | |  |  |  |
|  | Soil symbols correct | |  |  |  |
|  | Water symbol shown (depth and 0 or 24 Hour) | |  |  |  |
|  | Termination statement included and correct | |  |  |  |
|  | Stratigraphic breaks appear reasonable and correct | |  |  |  |
|  | Laboratory tested samples noted on log | |  |  |  |
|  | Rock core description coincides with Legend | |  |  |  |
|  | Core run times listed | |  |  |  |
|  | RQD/REC % listed appropriately and correct | |  |  |  |
|  | Strata RQD/REC % listed appropriately and correct | |  |  |  |
|  | Core depths correct | |  |  |  |
|  | Appropriate notes listed on log | |  |  |  |
|  | Core photos included and legible | |  |  |  |
|  | Core photos scaleable and properly notated | |  |  |  |
|  | Laboratory Testing Data (Soil and/or Rock) | | | | |
|  | All lab data located in the back of the report | |  |  |  |
|  | Appropriate laboratory testing checklist used and attached for laboratory testing performed | |  |  |  |

*For items marked* ***No*** *that require further explanation, 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 an adequate review is performed.*** | | | |
|  | |  |  |  |
| **QC Reviewer Name:** | | Click to edit. | **Date:** | Click to edit. |
| **QC Reviewer (Signature):** | |  | | |