The Level One Design Criteria checklist should be completed and included with each submittal. A separate checklist should be completed for the mainline and each S-line, ramp, and phase of maintenance of traffic.

Submittal. Typically the submittal is either Stage 1, Stage 2, Stage 3, or Final Tracings. Preliminary or Final Plans should be used for Bridge Rehabilitation, Partial 3R, and Traffic projects as appropriate. See IDM 14-2.0.

Des. No. Enter the 7-digit designation number.

Route. Enter the road name. For bridge projects enter the road name and the feature crossed, e.g. US231 over White River.

Functional Classification. IDM 40-1.01 describes the various functional classifications. Enter the functional classification as shown in IDM Figure 14-3C. Include the rural or urban designation. For urban designations, include the sub-designation of suburban, intermediate, or built up. Where the checklist is being used for a ramp, trail, or other unique feature, enter the description.

Design Year and AADT. Typically the design year is 10 to 20 years from the letting date. Enter the year and the corresponding AADT. See IDM 40-2.02

Terrain. Enter either rolling or level as appropriate. Indiana does not have mountainous terrain.

Project Scope of Work. IDM 40-6.0 describes the project scope of work categories. The scope of work determines which criteria apply to the geometric design of the project. See IDM Figure 14-3C, Project Design Criteria for acceptable entries.

Design Criteria Reference. Enter the *Indiana Design Manual* figure or AASHTO reference used to establish the minimum design criteria. When using an AASHTO reference, include both the title of the reference and the section, e.g. GB Table 5-3. Use the following abbreviations

IDM – *Indiana Design Manual*

GB – AASHTO’s *A Policy on Geometric Design of Highways and Streets* (the *Green Book*)

LV – AASHTO’s *Geometric Guidelines for Design of Very Low Volume Roads ADT ≤ 400*

IS – AASHTO’s *A Policy on Design Standards, Interstate System*

Existing Condition. Enter the value of the existing condition. This field is mandatory for 3R projects or where an existing sub standard condition is being retained.

Proposed Design. Enter the value provided, not an X, in the appropriate column. Where more than one value is needed, e.g. multiple horizontal curves, “see calculations” is acceptable.

Calculations. The documentation for each item should be included in the design computations with the checklist. Calculations must be initialed and dated. Where an existing condition on a 3R project is retained or replaced in kind, the evaluation of crash history and no expansion planned must be included.