## CIVIL 3D DIGITAL DATA CHECKLIST

## (An editable version of this document can be found in the Metadata folder of the WisDOT Civil 3D Project Template.)

Wisconsin Department of Transportation

|  |  |  |  |
| --- | --- | --- | --- |
| Date |  | County  |  |
| Design ID |  | Highway |  |
| Const ID(s) |  | Limits |  |
| Project Type |  | Desc |  |

### Reviewed by:

|  |  |
| --- | --- |
| Name |  |
| Office |  |
| Phone |  |
| Email |  |

|  |
| --- |
| Note: This checklist does not certify that the electronic data received matches the information that is shown on the paper plan submitted as part of the PS&E, nor does it verify that the design is valid and follows design standards set in the Facilities Development Manual. This form in no way releases the consultant from responsibilities related to the constructability and validity of the design, it simply confirms the data was received and verified to be in the correct formats. |

[ ]  **Control points**

 [ ]  Civil 3D points provided.

 [ ]  WisDOT standard feature codes and/or layers were used.

 [ ]  Meta-data sheet provided an accurate account of point data received.

 [ ]  Coordinates of data match that defined on meta-data sheet provided by consultant.

 [ ]  Tie sheet documentation provided in electronic format.

[ ]  **Reference line information**

 [ ]  Civil 3D alignment objects provided in DWG file.

 [ ]  WisDOT standard feature codes and/or layers were used.

 [ ]  Reference lines appear correct (i.e. no kinks in chains, chain crossings, etc.).

 [ ]  Reference lines data matches that which is outlined on meta-data sheet including:

 [ ]  Begin and ending stations are correct.

 [ ]  All station equations represented correctly.

 [ ]  Field monumented project control necessary to establish reference lines was provided.

 [ ]  For each alignment, a report of the alignment/reference line details was included.

 [ ]  Coordinates of data match that defined on meta-data sheet provided by consultant.

[ ]  **Design profile information**

 [ ]  Civil 3D profile objects in same file as associated alignment provided in DWG file.

 [ ]  Profile stationing matches that of the profile’s active alignment as noted on the meta-data sheet.

 [ ]  Profiles appear correct (i.e. no kinks in profile, profile crossings, etc.).

[ ]  **Superelevation information**

 [ ]  Appropriate Civil 3D alignments have superelevation assigned.

[ ]  **ROW monumentation information**

 [ ]  Point information received.

 [ ]  Civil 3D points provided in DWG file.

 [ ]  WisDOT standard feature codes and/or layers used.

 [ ]  Points match descriptions given on meta-data sheet.

 [ ]  Point numbers match those identified on the plat (also required).

 [ ]  Coordinates of data match that defined on meta-data sheet provided by consultant.

 [ ]  Alignment information received.

 [ ]  Civil 3D alignment objects provided in DWG file.

 [ ]  WisDOT standard layers used.

 [ ]  Parcel information received.

 [ ]  Parcel objects representing original and taking areas provided in DWG file.

 [ ]  Parcel segments appear correct (i.e. no kinks in chains, chain crossings, etc.).

 [ ]  Parcels match closure report given on meta-data sheet.

 [ ]  Coordinates of data match that defined on meta-data sheet provided by consultant.

[ ]  **Proposed surface data – Datum, Top, and any special proposed surfaces**

 [ ]  WisDOT standard layers were used.

 [ ]  A valid AutoCAD Civil 3D surface was provided (shaded triangles in 3D view appear correct) and no surface busts or spikes were found.

 [ ]  Surface in coordinate space specified on meta-data sheet provided by the consultant.

 [ ]  Minimum and maximum X, Y, Z values appear valid.

 [ ]  Coordinates of data match that defined on meta-data sheet provided by consultant.

[ ]  **Existing Surface Data**

 [ ]  WisDOT standard feature codes and/or layers were used.

 [ ]  Civil 3D surface object was provided (shaded triangles in

 3D view appear correct) and no surface busts or spikes were found.

 [ ]  Surface in coordinate space specified on meta-data sheet provided by

 the consultant.

 [ ]  Minimum and maximum X, Y, Z values appear valid.

 [ ]  Coordinates of data match that defined on meta-data sheet provided by consultant.

[ ]  **Existing topographic data – utilities**

 [ ]  WisDOT standard feature codes and/or layers were used - verified with spot check.

 [ ]  Coordinates of data match those defined on meta-data sheet provided by consultant.

 [ ]  Items listed for file were verified.

[ ]  **Existing topographic data – general**

 [ ]  WisDOT standard feature codes and/or layers were used – verified with spot check.

 [ ]  Coordinates of data match those defined on meta-data sheet provided by consultant.

 [ ]  Items listed for file were verified.

[ ]  **Other survey data**

 [ ]  WisDOT standard feature codes and/or layers were used.

 [ ]  Data received imported into AutoCAD Civil 3D as the correct data types.

 [ ]  Coordinates of data match those defined on meta-data sheet provided by consultant.

[ ]  **AutoCAD 3D DWG file specifications**

 [ ]  Graphics parameters have been spot checked. Layer, color, weight and line types conform to the specifications defined in Chapter 15 of the FDM.

 [ ]  WisDOT custom line types were used and all non-WisDOT line types were converted to individual elements.

 [ ]  Block information was spot checked and found to conform to the standard symbols defined in Chapter 15 of the FDM.

 [ ]  Text information was spot checked and found to conform to the text size and font specifications defined in Chapter 15 of the FDM.

[ ]  A check of x-reference files was made. Any x-reference files attached were also provided as part of the electronic data submitted.

[ ]  A check of data shortcuts was made. Any files with data shortcut objects were also provided as part of the electronic data submitted.

 [ ]  Graphical data is coordinate correct and drawn at a 1 to 1 scale.