## **DESIGN EXCEPTION PROCESS CHECKLIST**

Date:	10/24/17	Project Engineer:	Tracy Parrott, PE
TIP No:	U-5824	Functional Classification:	Minor Arterials (Urban)
Posted Spee	ed: 45mph	Terrain:	Rolling

Items requiring formal approval	Prop Design	AASHTO Std(1)	Exception Req'd
Design Speed <sup>(2)</sup>	50mph	50mph	No
Lane Width	12'	12'	No
Shoulder Width	n/a C& G	n/a	No
Bridge Width	n/a	n/a	No
Structural Capacity <sup>(3)</sup>	n/a	n/a	No
Maximum Grade	6.5478%	7%	No
Min. Horizontal Curve Radius	950'	926'	No
Sag Vertical Curve K	43 (30mph)	96	Yes
Crest Vertical Curve K	62 (45mph)	84	Yes
Horizontal SSD	425'	425'	No
Vertical SSD (crest only)	360' (45mph)	425'	Yes
Pavement Cross Slope	2%	2%	No
Superelevation	4%	4%	No
Vertical Clearance	n/a	n/a	No
Horizontal Clearance	15'	15'	No

Listed below are the known non-complying items not requiring an approved design exception.

<sup>(1)</sup> The AASHTO STD. as it relates to the design speed should be equal to the higher of either the posted speed or the minimum "Greenbook" value for design speeds.

<sup>(2)</sup> If design speed is less than the posted or statutory speed, a design exception is required.

<sup>(3)</sup> Structure Design's responsibility - be sure they have checked for need of design exception.