

HIGHWAY DESIGN REQUIREMENTS

Project Name:

WIN:

DATE:

PROJECT DATA

Section:

Town(s):		Route(s):	
WIN:		Federal Project No:	
Project Location:			
Program Manager:		Designer:	
Project Manager:		Engineer of Record:	
Corridor Priority:		Posted Speed:	
NHS/non-NHS:		Design Life:	
Functional Class:		AADT (Current):	
Urban/Rural:		AADT (Design):	
Scope (refer to ProjEx ¹):			

¹Discuss adequacy of scope in ProjEx with PM as soon as WIN is active. Consider site visit, crash history, etc.

DESIGN CRITERIA

Controlling Elements ²	Complete at Project Kickoff		Complete for Draft HVAC	
	Required Standard	Reference Document	Proposed Value	DE Status
Design Speed		E.I. C3		
Lane Width ³		E.I. C1		
Shoulder Width ³		E.I. C1		
Horizontal Curve Radius (minimum)		E.I. C7		
Superelevation Rate (e ^{max})		E.I. C6		
Maximum Grade (%)		E.I. C5		
Stopping Sight Distance (crest)		E.I. C8		
Cross Slope (travelway)		E.I. C4		
Vertical Clearance		E.I. C9		
Clear Zone		E.I. C2		
Non-Controlling Elements ⁴				
Headlight Sight Distance (sag)		D.G. Sag Curves		N/A
Side Slopes		D.G. Side Slopes		N/A

²Proposed Controlling Elements which do not meet standard require a Design Exception. Completed Design Exception forms should be submitted with Draft HVAC package. Refer to MaineDOT Highway Engineering website under [General>Forms](#).

³Check for any corridor requirements and/or history that may govern widths.

⁴Non-Controlling Elements which do not meet standard should be discussed in Design Variance section of PDR.

COMMENTS – Provide any comments necessary to clarify information presented above.

(A)

(B)

(C)

(D)