

<b>COLORADO DEPARTMENT OF TRANSPORTATION</b> <b>DESIGN DATA</b>  Page 1 of 2 Status: <input type="checkbox"/> Preliminary <input type="checkbox"/> Final <input type="checkbox"/> Revised	Orig.Date:	Project Code # (SA#):	STIP#:
	Rev.Date:	Project #:	
	Revision #:	PE Project Code:	
	Region #:		
Submitted By PM:		Approved by Program Engineer:	
Date:	County:		
Revised by:	Project Description:		
Date:	Municipality:		System Code:
		Oversight By:	
		Planned Length:	Type of Terrain:
		Geographic Location:	

**Remarks:**

<b>1 Safety/Operations/ITS Considerations</b>	Project Under:	<b>2 Right of Way</b>	Yes/No	Est. #	<b>3 Utilities</b> (list names of known utility companies):										
<input type="checkbox"/> Variance in Minimum Design Standards Required <input type="checkbox"/> Justification Attached <input type="checkbox"/> Request to be Submitted <input type="checkbox"/> Bridge <input type="checkbox"/> See Remarks	<input type="checkbox"/> Safety project, not all standards addressed	ROW &/or Perm. Easement Required: Relocation Required: Temporary Easement Required: Changes in Access: Changes to Connecting Roads:	<table border="1" style="width:100%; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>												
TSM&O Evaluation Completion Date:	Guardrail meets current standards: Comments:														
<b>4 Railroad Crossings</b>	Railroad(s):	Crossing Number(s):	Recommendations:												
<b>5 Environmental</b>	Type:	Approved On:	Project Code # Cleared Under:	Project # Cleared Under:											

Comments:

Use Columns A, B, C, D, E and F to identify facility described below

	A =	B =	C =	D =	E =	F =
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<b>6 Traffic</b>											
Current Year	ADT										
	DHV										
	DHV % Trucks										
Future Year	ADT										
	DHV										
	DHV % Trucks										
<b>Facility Location</b>		<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial <input type="checkbox"/> Commercial
		<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other	<input type="checkbox"/> Residential <input type="checkbox"/> Other

Use Columns A, B, C, D, E and F to identify facility described below

	A =	B =	C =	D =	E =	F =		
<b>7</b>	<b>Roadway Classification</b>						<b>8</b>	<b>Structures:</b>
	Route							
	Reference Point (Begin)							
	Reference Point (End)							
	Functional Classification							
	Facility type							
	Rural Code							

<b>9</b>	<b>Design Criteria</b>
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**Controlling Design Criteria:** When Design Speed  $\geq$  50 mph on roadways part of the National Highway System (when Design Speed < 50 mph, the only two controlling criteria are Design Speed and Design Loading Structural Capacity). Elements requiring a variance are identified with an \* & detailed in CDOT Form #464.

													Design Criteria Reference and Notes
	Proposed	Standard	Proposed	Standard	Proposed	Standard	Proposed	Standard	Proposed	Standard	Proposed	Standard	
1. Design Speed (mph)													
2. Lane Width (ft)													
3. Shoulder Widths													
Inside Shoulder Width (ft)													
Outside Shoulder Width (ft)													
4. Horizontal Curve Radius (min) (ft)													
5. Superelevation Rate (e) (%)													
Maximum Superelevation Rate ( $e_{max}$ ) (%)													
6. Stopping Sight Distance (SSD) (min) (ft)													
Horizontal SSD													
Intersection Sight Distance													
SSD Level Road													
SSD Downgrade													
SSD Upgrade													
7. Grade (max) (%)													
8. Cross Slope ( $X_{slope}$ ) (%)													
9. Vertical Clearance (min) (ft)													
Roadway Structure													
Sign & Pedestrian Structures													
Railroad Structure													
Overhead Utility													
10. Design Loading Structural Capacity													
<b>Additional Horizontal Alignment and Vertical Alignment Design Criteria</b> (Elements requiring a Design Decision Letter are identified with an *.)													
Posted Speed (mph)													
$\Delta$ without Horizontal Curve (max) (dms)													
Clear Zone on Tangent (min) (ft)													
Clear Zone on Curve (min) (ft)													
Deceleration Length (level) (min) (ft)													
Acceleration Length (level) (min) (ft)													
Redirect Taper Ratio													
Lane Drop Taper Ratio													
Transition Taper Ratio (Accel/Decel)													
Vertical Curve Length (min) (ft)													
Grade Break without Vertical Curve (max) (%)													
Crest Vertical Curve (K) (min)													
Sag Vertical Curve (K) (min)													
Algebraic Difference ( $X_{slope}$ ) (max) (%)													
<b>Additional Typical Section Design Criteria</b> (Elements requiring a Design Decision Letter are identified with an *.)													
Design Vehicle													
# Lanes each direction (auxiliary)													
Median Width (ft)													
Median Type													
Side Slope Distance ("Z <sub>slope</sub> ") (ft)													
Sidewalk Width (ft)													
Bike Lane Width (ft)													