	_		_	Orig.Date: 01/23/2020		Project Code # (SA#)	roject Code # (SA#): 23559 ST			SR25216						
Colorado Department of Transportation DESIGN DATA			rtation	Rev.Date:			Project #:		FBR R200	-267						
				Revision #:	0		PE Project Code:	PE Project Code: 23559								
Page 1 of 2				Region #:	02		Project Description: R2B2 (REGION 2 BRIDGE BUNDLE)(NON-GRANT)									
Status Preliminary 🔀 Final			Final	Revised			County:		071,089 041,093,119 071							
Submitted by DM		TONS	An	proved by Proc	aram Engineer:		Municipality:		Timpas							
Date:	05/1/	1/2021					System Code: 2 NHS Non-Interstate									
Date.	05/1	1/2021					Oversight By:	sight By: PoDi/State Administered								
Revised by.							Planned length:		70		Type of	/pe of Terrain: R Rolling				
Dale.				Geographic Location: VARIOUS LOCATIONS ON SH 350, SH 239 AND US 24												
Remarks:	perations/ITS C	Considerations		Project Under:	Other		2 Right of Wa	ау		Yes/No	Est #	3 Utilities(list n	ames of known u	tility companies)		
	in Minimum Davi	ere Otere de ede Des	u due el													
j variance	e in Minimum Desi	gn Standards Red	quired	AASHTO, BRIDGE ENTERPRISE			ROW &/or Perm. Easement Required:			ed: No						
Ju	stification Attached	Request to be	Submitted Safety project, not all			Relocation Required:			No							
Bri	idge		See Remarks	ks standards addressed			Temporary Easement Required:			No		Power Associ. City of				
TSM&O Eval Completion Date: 08/11/2020 Guardrail meets current standards:							Changes in Access:			No		,Xcel,ColoNatGs				
							Changes to Connecting Roads			No						
Comments:																
4 Railroad C	rossings Ra	ilroad(s):		Crossing Number(s):			Recommendations:				I					
	NA	4														
5 - ·		<u>no:</u>		Approved on:			Project Code # Cleared			do # Cloarod I	d Under: Project # Cleared Under:					
Environmental		CE Programmatic			Approved of	1.			23558			FBR R200-2)-266			
		02 · 109.4														
Comments: 24	0 MBTA SPEC RE	EQ'D, 250 SPEC F	REQ'D, WETLAN	D DELINEATION	S FOR EACH STI	RUCTURE W	/ERE CLEARED BETV	VEEN 12/	8/2020 AN	D 01/11/2021						
Use Columns A	A, B, C, D, E and	d F to identify fa	cility described	below												
		A 350A		B 024A		C 239A		D			E		F			
⁶ Traffic	I	ı		•		•										
Current Year:	ADT	700		25000		400										
2019	DHV	/ 77 24		2625		44										
	DHV% Trucks	10.5%		3.6%		3.4%										
Future Year:	ADT	985		29125		435										
2041	DHV	DHV 108 3058			48											
Facility	Location	Industrial	Commercial	Industrial	Commercial	Industria	al Commercial	Indus	trial	Commercial	Industrial	Commercial	Industrial	Commercial		
		Residential	C Other	Residential	C Other	Resider	ntial 🔀 Other	Resid	dential	Other	Residential	Other	Residential	Other		

Paę	ge 2 of 2 Project Code # (SA#)	: 23559		Project #: FBR R200-267 Rev.Date:										
A 350A			B 024A		C 239A		D		E		F			
7 Roadway Classification						<u>. </u>		<u>, I</u>						8 Major Structure(s
Route			0244		2204		T		<u> </u>					
	Reference Point (Begin)	Reference Point (Begin) 40 000		024A		239A								0 10 D, W 21 I, 1 10 II,
	Poforonco Point (End)	a Deint (Eegl)		228.000		1.000								
		57.000		296.000		2.000								
	Functional Classification	4		4 U		4 U								
	Facility type U													
Access Control Classification		R		R		R								
9	Design Criteria									•		•		
	Controlling Design Criteria: When Des	sign Speed ≥ 50	mph on roadw	ays part of the	National Highw	ay System (whe	n Design Spee	ed < 50 mph, the	only two conti	olling criteria are	e Design Spee	d and Design Lo	oading	
	Structural Capacity). Elements requiring	a variance are i	identified with a	an * & detailed in	n CDOT Form a	#464.		Deserved D. Oten des J. D.		Dremeand E Classifier I E				
	Design Criteria Description	Proposed_A	Standard_A	Proposed_B	Standard_B	Proposed_C	Standard_C	Proposed_D	Standard_D	Proposed_E	Standard_E	Proposed_F	Standard_F	Design Criteria Refe
1.	Design Speed (mph)	75	75	75,55	75,55	45								
2.	Lane Width (ft)	12	12	12	12	11	11							AASHTO GDHS 2018,
3.	Shoulder Widths					-								
	- Inside Shoulder Width (ft)													
	- Outside Shoulder Width (ft)	6	6	8	8	6	6							AASHTO GDHS 2018,
4.	Horizontal Curve Radius (min) (ft)	2210	2210	2210,960	2210,960	587	587							AASHTO GDHS 2018,
5.	Superelevation Rate (e) (%)													
	- Maximum Superelevation Rate (emax) (%)	8	8	8	8	8	8							CDOT Roadway Desig
6.	Stopping Sight Distance (SSD) (min) (ft)													
	- Horizontal SSD													
	- Intersection Sight Distance													
	- SSD Level Road	820	820	820,495	820,495	360	360							AASHTO GDHS 2018,
	- SSD Downgrade													
	- SSD Upgrade													
7.	Grade (max) (%)	4	4		4,5	<5	5							CDOT Roadway Desig
8.	Cross Slope (Xslope) (%)	2	2	2,2	2,2	2	2							AASHTO GDHS 2018,
9.	Vertical Clearance (min) (ft)	-												
	- Roadway Structure													
	- Sign & Pedestrian Structures													
	- Railroad Structure													
	- Overhead Utility													
10	Design Loading Structural Capacity													
	Additional Horizontal Alignment and Vertic	al Alignment De	sign Criteria (El	ements requiring a	a Design Decisior	Letter are identifie	ed with an *.)			I				
	Posted Speed (mph)	65	1	65.45	1	35		1		1				
	A without Horizontal Cunya (max) (dms)			00,40								-		
	Clear Zana on Tangant (min) (ft)	19	19	28.22	28.22	10	10							AASHTO Poodsido Dor
		18	10	20,22	20,22	10	10							AASHTO Roadside De
<u> </u>		20	23	34,33	34,33	14	14							AASHI U Kuadside De
<u> </u>	Acceleration Length (level) (min) (ft)												+	
	Redirect Taper Ratio												+	
				<u> </u>		<u> </u>		 						
<u> </u>			200	000.000	200.000	000	200							
<u> </u>	vertical Curve Length (min) (tt)	300	300	300,300	300,300	300	300					_		CDUT Roadway Design
	Grade Break without Vertical Curve (max) (%	0.2	0.2	0.2,0.2	0.2,0.2	0.2	0.2							CDOT Roadway Design
	Crest Vertical Curve (K) (min)	312	312	312,114	312,114	61	61							CDOT Roadway Design
<u> </u>	Sag Vertical Curve (K) (min)	206	206	206,115	206,115	/9	79							CDOT Roadway Desig
	Algebraic Difference (Xslope) (max) (%)													
	Additional Typical Section Design Criteria	Elements requirin	ig a Design Decis	sion Letter are idei	nufied with an *.)									
	Design Vehicle	WB-67	WB-67	WB-67	WB-67	WB-67	WB-67							
	# Lanes each direction (auxiliary)													
	Median Width (ft)													
	Median Type													
	Side Slope Distance ("Zslope") (ft)	8	8	8,8	8,8	8	8							CDOT Roadway Design
	Sidewalk Width (ft)													
	Bike Lane Width (ft)													
	Curb & Gutter Type					1		1						
	•		-		+								-	

):

, I-17-X, P-19-G_MINOR

ference and Notes

, Table 7-3, pg. 7-7

, Table 7-3, pg. 7-7 3, Table 3-7, pg. 3-34

n Guide 2018, Section 3.2.3.2, pg. 3-22

, Table 3-1, pg. 3-4

gn Guide 2018, Table 3-4, pg. 3-31 , Section 3.3.3.1, pg. 3-31

sign Guide 2011, Table 3-2 sign Guide 2011, Table 3-2

n Guide 2018, Section 3.3.4, pg. 3-33 gn Guide 2018, Section 3.3.4, pg. 3-33 gn Guide 2018, Table 3-1, pg. 3-2 gn Guide 2018, Table 3-1, pg. 3-2

n Guide 2018, Table 4-2, pg. 4-13, Fig 5, pg. 4-9

CDOT Form #463 (5/2018)