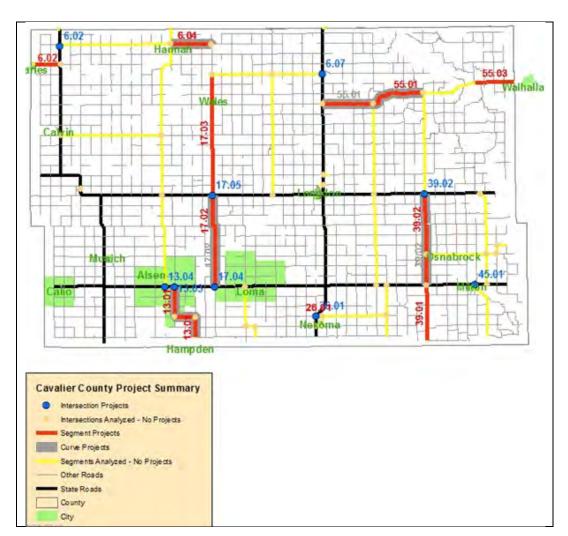
Cavalier County

The total project cost suggested for Cavalier County is \$126,945. The project cost breakout for intersection, roadway segment, and curve projects are listed in Table 4-2. High-priority locations that received a project are shown in Figure 4-8. These locations are described in further detail in Appendix 4A along with priority rankings and suggested project sheets.

TABLE 4-2 Cavalier County Project Costs

Total

Project Type	Cost
Intersections	\$55,300
Roadway Segments	\$28,145
Curves	\$43,500



\$126,945

FIGURE 4-8 Cavalier County Projects Location Map

23 USC 409

NDDOT Reserves All Objections



Cavalier County Rural Segment Projects

Page	Corridor ID	Route #	Start	End	Length	Risk Ranking	4" Edge Line	6" Edge Lines	Project Cost (\$)
1	39.02	Cavalier 39	ND 66	ND 5	9.1	***	0.0	9.1	\$5,915.00
2	17.03	Cavalier 17	ND 5	Cavalier 6	12.0	***	12.0	0.0	\$4,800.00
3	6.04	Cavalier 6	Cavalier 13/Hanna CL	Cavalier 17	3.9	***	3.9	0.0	\$1,560.00
4	55.03	Cavalier 55	104th Street	County Limit	3.8	**	3.8	0.0	\$1,520.00
5	6.02	Cavalier 6	M Street / Sarles	ND 20	2.7	**	2.7	0.0	\$1,080.00
6	39.01	Cavalier 39	79th Street	ND 66	5.5	**	5.5	0.0	\$2,200.00
7	13.01	Cavalier 13	County Line	ND 66	7.0	**	7.0	0.0	\$2,800.00
8	17.02	Cavalier 17	ND 66/Loma	ND 5	9.1	**	9.1	0.0	\$3,640.00
9	26.01	Cavalier 26	ND 1	Cavalier 502.01/Road to Nekoma	0.6	**	0.0	0.6	\$390.00
10	55.01	Cavalier 55	ND 1	Cavalier 39	10.6	**	10.6	0.0	\$4,240.00
			·	· · · ·			54.6	9.7	\$28,145.00

Cavalier County Rural Segment Listing *High Priority Segments Project Sheet Page Number

Project Sheet Page*	Corridor	Route	Start	End	Length (miles)	VMT	Lane Departure Crashes	ADT	Lane Departure Density	Access Density	Curves w/ Critical Radius / Mile	Edge Risk Assesment
5	6.02	Cavalier 6	M Street / Sarles	ND 20	2.7	972,296	0	198	0.00	5.9	0.0	2
3	6.04	Cavalier 6	Cavalier 13/Hanna CL	Cavalier 17	3.9	856,718	0	120	0.00	9.7	0.3	2
7	13.01	Cavalier 13	County Line	ND 66	7.0	888,621	0	70	0.00	7.2	0.3	2
8	17.02	Cavalier 17	ND 66/Loma	ND 5	9.1	892,477	0	53	0.00	6.7	0.2	2
2	17.03	Cavalier 17	ND 5	Cavalier 6	12.0	5,315,339	2	243	0.03	6.7	0.0	2
9	26.01	Cavalier 26	ND 1	Cavalier 502.01/Road to Nekom	0.6	252,801	0	250	0.00	14.4	0.0	1
6	39.01	Cavalier 39	79th Street	ND 66	5.5	852,902	0	85	0.00	18.6	0.0	2
1	39.02	Cavalier 39	ND 66	ND 5	9.1	4,800,526	1	290	0.02	6.1	0.2	2
10	55.01	Cavalier 55	ND 1	Cavalier 39	10.6	2,792,977	2	145	0.04	6.6	0.6	1
4	55.03	Cavalier 55	104th Street	County Limit	3.8	2,209,621	0	315	0.00	6.0	0.0	2
	504.01	0	End Gravel 13.03	County Limit	0.2	9,376	0	29	0.00	16.9	0.0	0
	505.01	0	End Gravel 13.03	County Limit	0.1	15,246	0	85	0.00	10.2	0.0	0
	506.01	93rd Street	ND 5	City Limits	0.2	7,984	0	29	0.00	13.3	0.0	0
	507.01	94th Street	Langdon City Limits	ND 1	0.5	113,267	0	130	0.00	8.4	0.0	1
	508.01	95th Street	ND 1	End of Pave	0.5	24,161	0	29	0.00	11.0	0.0	0
	510.01	80th Ave	ND 1	Nekoma City Limits	0.5	86,958	0	100	0.00	8.4	0.0	1
					66.3	20,091,272	5					

Edge Risk Legend

			Lane	Critical Radius
1 Risky' - NEITHER shoulder or good clear zone	A	Access	Departure	Curves
2 Either a shoulder OR good clear zone	Total	522.00	5	11
3 BOTH shoulder and a good clear zone	Total Mileage	66.3	66.3	66.3
	Years		5	
Critical ADT Range - Lane Departure	Average Density (Total/Mile)	7.9	0.02	0.17
150				
500				

Cavalier County Rural Segment Prioritization - Lane Departure Priority

													Tiebrea	akers
#	Corridor	Route	Start	End	Length	ADT	ADT Range	Lane Departure Density	Access Density	Curve Critical Radius Density	Edge Risk	Totals	Edge Risk	ADT
1	39.02	Cavalier 39	ND 66	ND 5	9.1	290	*			*	*	***	2	290
2	17.03	Cavalier 17	ND 5	Cavalier 6	12.0	243	*	*			*	***	2	243
3	6.04	Cavalier 6	Cavalier 13/Hanna CL	Cavalier 17	3.9	120			*	*	*	***	2	120
4	55.03	Cavalier 55	104th Street	County Limit	3.8	315	*				*	**	2	315
5	6.02	Cavalier 6	M Street / Sarles	ND 20	2.7	198	*				*	**	2	198
6	39.01	Cavalier 39	79th Street	ND 66	5.5	85			*		*	**	2	85
7	13.01	Cavalier 13	County Line	ND 66	7.0	70				*	*	**	2	70
8	17.02	Cavalier 17	ND 66/Loma	ND 5	9.1	53				*	*	**	2	53
9	26.01	Cavalier 26	ND 1	Cavalier 502.01/Road to Nekoma	0.6	250	*		*			**	1	250
10	55.01	Cavalier 55	ND 1	Cavalier 39	10.6	145		*		*		**	1	145
11	507.01	94th Street	Langdon City Limits	ND 1	0.5	130			*			*	1	130
12	510.01	80th Ave	ND 1	Nekoma City Limits	0.5	100			*			*	1	100
13	505.01	0	End Gravel 13.03	County Limit	0.1	85			*			*	0	85
14	504.01	0	End Gravel 13.03	County Limit	0.2	29			*			*	0	29
15	506.01	93rd Street	ND 5	City Limits	0.2	29			*			*	0	29
18	508.01	95th Street	ND 1	End of Pave	0.5	29			*			*	0	29
					Tota % That Ge	al Stars ets Star		2 13%	9 56%	5 31%	8 50%			

	#	%	%
*****	0	0%	0%
****	0	0%	0%
***	3	19%	38%
**	7	44%	59%
*	6	38%	3%
	0	0%	0%
	16	100%	100%

	Stars
ADT Range -	If segment has an ADT in the range of most at risk ADT based on Northeast totals. (150 < ADT < 500)
Lane Departure Density -	If segment has higher lane departure density than the Northeast average (0.032).
Access Density	If segment has access density than the nationwide average (8).
Curve Critical Radius Density -	If segment has higher density of curves with critical radius than the Northeast average (0.084).
Edge Risk Assessment -	Edge risk of 2 or 3, based on assessment of roadway edge and clear zone.

FN 59959 (06-2011)		Cavalier 39	from NE) 66 to	ND 5	
Agency Name:	Cavalier County	• • • • • • •	ND DOT I			
	Terry Johnston	т	elephone N		-	2161
	-	1	elephone is	umber.	701-230-	2101
	tjohnsto@nd.gov	- A. C. Martine and a second second				
	. You may use additional sheet	s to further describe	your project			
ocation Description						
				_		HSP Emphasis Area (check all that apply)
	ND 66	Lane Width				cohol Impaired Driving
End: Facility Type:	ND 5	Speed Limit	0			e Use of Safety Restraints for all Occupants river/Older Driver Safety
ADT:		Shoulder Width Shoulder Type				essive Driving
	Rural Paved	Length (miles)				ents to Address Lane Departure Crashes
County Road		Rumble Installed			Enhancing	Emergency Medical Capabilities to Increase Survivability
					Improve Int	tersection Safety
escribe Current Safety	Issues & Systemic Rank	ing Review				
orth Dakota Crashes, 2008-20		-	5 years			
					Gaustitar	REMONOTOLING CHIMMELL
	Total	Road Dept	K+A		1970h Avanu	
Crashes	2	1	1		and the second	and the second se
Density (per mile per year)	0.04	0.02	0.02			
Rate (per MVM)	0.42	0.21	0.21		-	and the second se
					Suma and Personal Pro-	and the second se
					-	and the second se
						and the second s
	Value	Critical	Road			and the second s
ADT Range	290	150≤ADT≤500	*		-	and the second second
RD Density	0.022	0.032				all some
Access Density	6.1	8.0				
Curve Critical Radius Density		0.084	*		WGS-84 N 48.7147583	
Edge Risk	2	2 or 3	*		W-98.1445100	SRF
Describe Proposed Safe	tv Improvements					
oconise i roposeu dale	y improvements					
	Description	Tupo	Cost por mi	Mileago	Cost	Noton Qualifica for adapting number Quarte and
	Description 4" Edge Lines	Type Proactive	Cost per mi \$400	0.0	Cost \$0	Notes - Qualifies for edge line rumble. Curve and intersection projects suggested on other sheets.
	6" Edge Lines	Proactive	\$400 \$650	0.0 9.1	ەں \$5,915	
	Edge Rumble Strip	Proactive	\$050 \$3,500	9.1 0.0	\$5,915 \$0	
Grour	nd In Wet-Reflective Markings	Proactive	\$3,500 \$8,500	0.0	\$0 \$0	
5104	Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0	
	6" Center Line	Proactive	\$650	0.0	\$0	
Project Cost Estimate (a	ttach detailed copy)			Propos	ed Year o	of Construction
	Federal Funds	\$5,324				
Local Mat	ch (10% of Total project cost)	\$592	_			
	Total Project Cost	\$5,915				
				_		
NDDOT Central Office O		Deference Number	1			
roject Accepted? otes	Yes No F	Reference Number	<u> </u>			ID Number
						Page: 1
						Segment ID: 39.02 Date: 10/23/2013

	C	avalier 17 fi	rom ND 5	i to Ca	avalier	6
Agency Name:	Cavalier County		ND DOT I	District:	3	
Contact Name:	Terry Johnston	Т	elephone N	umber:	701-256-	2161
Email Address:	tjohnsto@nd.gov					
	. You may use additional sheet	s to further describe	e your project			
ocation Description						
						HSP Emphasis Area (check all that apply)
Start:		Lane Width				cohol Impaired Driving
End: Facility Type:	Cavalier 6	Speed Limi Shoulder Width	U			e Use of Safety Restraints for all Occupants river/Older Driver Safety
ADT:		Shoulder Type				essive Driving
	Rural Paved	Length (miles)				ents to Address Lane Departure Crashes
County Road		Rumble Installed			Enhancing	Emergency Medical Capabilities to Increase Survivability
						tersection Safety
		·				
escribe Current Safety orth Dakota Crashes, 2008-20	Issues & Systemic Rank		5 years			
		·	Jouro		Garwellter	RING0157JPG CHIMHL
	Total	Road Dept	K+A		C	
Crashes	2	2	0		Count	
Density (per mile per year)	0.03	0.03	0.00			
Rate (per MVM)	0.38	0.38	0.00			
	Value	Critical	Road			
ADT Range	243	150≤ADT≤500	*			
RD Density	0.033	0.032	*		12.	and the second s
Access Density	6.7	8.0			- Contraction of the	
Curve Critical Radius Density	0.000	0.084			WGS-84	
Edge Risk	2	2 or 3	*		W 98 606000	SRF
Describe Proposed Safe	ty Improvements					
	F	T	Onstan .	N 412		
	Description 4" Edge Lines	Type Proactive	Cost per mi \$400	Mileage 12.0	Cost \$4,800	Notes - Qualifies for edge line rumble.
	4 Edge Lines 6" Edge Lines	Proactive	\$400 \$650	0.0	\$4,800 \$0	
	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0 \$0	
Grour	nd In Wet-Reflective Markings	Proactive	\$8,500	0.0	\$0	
	Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0	
	6" Center Line	Proactive	\$650	0.0	\$0	_
roject Cost Estimate (a	ttach detailed copy)			Propos	ed Year o	of Construction
		* + 000				
	Federal Funds ch (10% of Total project cost)	\$4,320 \$480				
Local Mat	Total Project Cost	\$480 \$4,800	-			
		ψ-1,000				
IDDOT Central Office O						
roject Accepted?	Yes No	Reference Number				ID Number
otes						
						Page: 2
						Segment ID: 17.03
						Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 6 from Cavalier 13/Hanna CL to Cavalier 17 ND DOT District: 3 Agency Name: Cavalier County **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Cavalier 13/Hanna CL Lane Width: 12' End: Cavalier 17 Speed Limit: High Increase the Use of Safety Restraints for all Occupants Facility Type: 2-lane Shoulder Width: 2' Younger Driver/Older Driver Safety ADT: 120 Shoulder Type: Gravel Curb Aggressive Driving \checkmark Length (miles): 3.9 Improvements to Address Lane Departure Crashes Road Type Rural Paved County Road Cavalier 6 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008-2012 5 years Total Road Dept K+A Crashes 0 0 0 Density (per mile per year) 0.00 0.00 0.00 Rate (per MVM) 0.00 0.00 0.00 Road Value Critical 120 150≤ADT≤500 ADT Range **RD** Density 0 000 0.032 9.7 Access Density 8.0 0.256 Curve Critical Radius Density 0.084 Edge Risk 2 2 or 3 Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Curve projects suggested on other sheets \$1.560 4" Edge Lines \$400 3.9 Proactive 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 \$0 0.0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$1,404 Local Match (10% of Total project cost) \$156 Total Project Cost \$1,560 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 3 Segment ID: 6.04 10/23/2013 Date

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 55 from 104th Street to County Limit Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: 104th Street Lane Width: 12' End: County Limit Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-lane ADT: 315 Shoulder Type: Gravel Curb Aggressive Driving \checkmark Length (miles): 3.8 Improvements to Address Lane Departure Crashes Road Type Rural Paved County Road Cavalier 55 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008-2012 5 years Total Road Dept K+A Crashes 1 0 0 Density (per mile per year) 0.05 0.00 0.00 Rate (per MVM) 0.46 0.00 0.00 Road Value Critical 315 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 6.0 Access Density 8.0 0.000 Curve Critical Radius Density 0.084 Edge Risk 2 2 or 3 Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Qualifies for edge line rumble. Scenic backway. \$1.520 4" Edge Lines \$400 3.8 Proactive 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 \$0 0.0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 \$3.000 Center Line Rumble Strip Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$1,368 Local Match (10% of Total project cost) \$152 Total Project Cost \$1,520 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 4 55.03 Segment ID: 10/23/2013 Date:

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 6 from M Street / Sarles to ND 20 ND DOT District: 3 Agency Name: Cavalier County **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: M Street / Sarles Lane Width: 12' End: ND 20 Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-lane ADT: 198 Shoulder Type: Gravel Curb Aggressive Driving \checkmark Length (miles): 2.7 Improvements to Address Lane Departure Crashes Road Type Rural Paved County Road Cavalier 6 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008-2012 5 years Total Road Dept K+A Crashes 0 0 0 Density (per mile per year) 0.00 0.00 0.00 Rate (per MVM) 0.00 0.00 0.00 Road Value Critical 198 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 5.9 Access Density 8.0 0.000 Curve Critical Radius Density 0.084 Edge Risk 2 2 or 3 Describe Proposed Safety Improvements Mileage Description Туре Cost per mi Cost Notes - Qualifies for edge line rumble. \$1.080 4" Edge Lines \$400 2.7 Proactive 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 \$0 0.0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 \$3.000 Center Line Rumble Strip Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$972 Local Match (10% of Total project cost) \$108 Total Project Cost \$1,080 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 5 Segment ID: 6.02 10/23/2013 Date

	Ca	valier 39 fr	om 79th S	Street	to ND	66	
Agency Name:	Cavalier County		ND DOT I				
	Terry Johnston	-	elephone N	umber:	701-256-	2161	
	tjohnsto@nd.gov						
	. You may use additional sheets	to further describ	e vour project				
ocation Description	. Tou may use additional sheets						
cation Description					C		sis Area (check all that apply)
Start:	79th Street	Lane Widtl	v: 12'			cohol Impaire	(11.57
	ND 66	Speed Lim					ety Restraints for all Occupants
Facility Type:		Shoulder Widtl	•			river/Older D	
ADT:		Shoulder Typ				essive Driving	
Road Type	Rural Paved	Length (miles		\checkmark	Improveme	ents to Addre	ss Lane Departure Crashes
County Road	Cavalier 39	Rumble Installe	d: No				Medical Capabilities to Increase Survivabilit
					Improve In	tersection Sa	fety
escribe Current Safety rth Dakota Crashes, 2008-20	Issues & Systemic Rank		5 years				
111 Danota Orașileș, 2000-20			o years		Carolina		THAT STORE AND A STORE
	Total	Road Dept	K+A		1972h Awara		CHEMPEL
Crashes	1	0	0		South		the second second
Density (per mile per year)	0.04	0.00	0.00		and the second		Contraction of the local division of the loc
Rate (per MVM)	1.17	0.00	0.00				ALL DO THE REAL OF
					-		and the second second
							and the second s
						1.4	and the second se
	Value	Critical	Road		_	ANE.	A AND A MERCER AND
ADT Range	85	150≤ADT≤500					
RD Density	0.000	0.032			_		
Access Density	18.6	8.0	*		and the set	all is	1
Curve Critical Radius Density	0.000	0.084			INCO OF		
Estars Dist.	2	2 2	+		N 48 5877650		
Edge Risk	2	2 or 3	*		N 48.5877950 W 98.144408) 3	SRF
Edge Risk	2	2 or 3	*		N 48.5877950 W 98.144408) 3	SRF
Edge Risk		2 or 3	*		N 48:5877950 W 98:144408	3	SRF
Ť	ty Improvements		-		WGS-04 N 48.5877950 W 98.144408) 3	SRF
Ť	ty Improvements	Туре	Cost per mi		N 48 5877950 W 98.144408	Notes -	SRF
Ť	ty Improvements Description 4" Edge Lines	Type Proactive	Cost per mi \$400	5.5	\$2,200	Notes -	SRF
Ť	ty Improvements Description 4" Edge Lines 6" Edge Lines	Type Proactive Proactive	Cost per mi \$400 \$650	5.5 0.0	\$2,200 \$0	Notes -	SRF
escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip	Type Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500	5.5 0.0 0.0	\$2,200 \$0 \$0	_Notes -	SRF
escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings	Type Proactive Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500	5.5 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0	Notes -	SRF
escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip	Type Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500	5.5 0.0 0.0	\$2,200 \$0 \$0	Notes -	SRF
escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Type Proactive Proactive Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	_	SRF
escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Type Proactive Proactive Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	Notes - 	sre
escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy)	Type Proactive Proactive Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	_	ction
escribe Proposed Safe Grour	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds	Type Proactive Proactive Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	_	ction
escribe Proposed Safe Grour	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds ch (10% of Total project cost)	Type Proactive Proactive Proactive Proactive Proactive Proactive \$1,980 \$220	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	_	ction
escribe Proposed Safe Grour	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds	Type Proactive Proactive Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	_	ction
escribe Proposed Safe Grour roject Cost Estimate (a Local Mat	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds ch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$1,980 \$220	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	_	ction
escribe Proposed Safe Grour roject Cost Estimate (a Local Mat	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds ch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$1,980 \$220	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	_	
escribe Proposed Safe Grour roject Cost Estimate (a Local Mat	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds ch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$1,980 \$220 \$2,200	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	- of Constru	
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escribe Proposed Safe Grour roject Cost Estimate (a Local Mat DDOT Central Office O oject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds ch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$1,980 \$220 \$2,200	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	- of Constru	
escribe Proposed Safe Grour roject Cost Estimate (a Local Mat DDOT Central Office O oject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds ch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$1,980 \$220 \$2,200	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	- of Constru	
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escribe Proposed Safe Grour roject Cost Estimate (a Local Mat DDOT Central Office O oject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds ch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$1,980 \$220 \$2,200	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	- of Constru	
escribe Proposed Safe Grour roject Cost Estimate (a Local Mat DDOT Central Office O oject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds ch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$1,980 \$220 \$2,200	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	5.5 0.0 0.0 0.0 0.0 0.0 0.0	\$2,200 \$0 \$0 \$0 \$0 \$0 \$0	- of Constru	
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SFN 59959 (06-2011)	Cav	alier 13 fro	m Count	vline		66	
				-		00	
Agency Name: C		_	ND DOT				
Contact Name: T	•	Т	elephone N	lumber:	701-256-	2161	
Email Address: t	johnsto@nd.gov						
Please attach a location map(s).	You may use additional sheets	s to further describe	e your project				
Location Description							
-					S	HSP Emphasis	Area (check all that apply)
Start: C	County Line	Lane Width	n: 12'		Reduce Alc	cohol Impaired	Driving
End: N		Speed Limi	t: High				Restraints for all Occupants
Facility Type: 2		Shoulder Width				river/Older Driv	er Safety
ADT: 7		Shoulder Type				essive Driving	
Road Type R		Length (miles					Lane Departure Crashes
County Road C	Cavalier 13	Rumble Installed	d: No				edical Capabilities to Increase Survivabil
					Improve Int	tersection Safet	ty
Describe Comment Oafs to 1	aura 8 Quatanta Daut	ing Davis					
Describe Current Safety Is		-	-				
North Dakota Crashes, 2008-201	2		5 years				
	Total	Dood Doot	K · A		Cavallar	PEDA	CHIMAN CHIMAN
Crashes	Total 1	Road Dept 0	K+A 0		South		
Crasnes Density (per mile per year)	0.03	0.00	0.00				
Rate (per MVM)	0.03	0.00	0.00				
	1.12	0.00	0.00				
	Value	Critical	Road				
	Value 70	150≤ADT≤500	i todu		Bard Advertis	1 1 -	Cardena and Cardena and Cardena
ADT Range RD Density	0.000	150≦AD1≦500 0.032			and the second second	ABINT	A LOS BURGERS
Access Density	7.2	0.032 8.0				CHE LAND	
Curve Critical Radius Density	0.288	0.084	*		WORK	1	
Edge Risk	2	2 or 3	*		N 48 5988000		
		_ <i></i>	**		W 98 6883317		SRF
Describe Proposed Safety	/ Improvements						
Describe Proposed Safety	/ Improvements						
Describe Proposed Safety	/ Improvements	Туре	Cost per mi	Mileage	Cost	Notes - Curve	e and intersection projects suggested or
Describe Proposed Safety 	Description	Type Proactive	Cost per mi \$400	Mileage 7.0	Cost \$2,800	-	e and intersection projects suggested or
Describe Proposed Safety 		Type Proactive Proactive	I	0	Cost \$2,800 \$0	_Notes - Curve sheets	e and intersection projects suggested or
Describe Proposed Safety _	Description 4" Edge Lines	Proactive	\$400	7.0	\$2,800	-	e and intersection projects suggested or
	Description 4" Edge Lines 6" Edge Lines	Proactive Proactive	\$400 \$650	7.0 0.0	\$2,800 \$0	-	e and intersection projects suggested or
	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip	Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500	7.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0	-	e and intersection projects suggested or
	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings	Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500	7.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0	-	e and intersection projects suggested or
Ground	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	-	
Ground	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost)	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground — Project Cost Estimate (att Local Match	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match NDDOT Central Office Onl	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match NDDOT Central Office Onl Project Accepted?	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match NDDOT Central Office Onl	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match Project Accepted?	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match Project Accepted?	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match NDDOT Central Office Onl	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match Project Accepted?	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	
Ground Project Cost Estimate (att Local Match Project Accepted?	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	ion
Ground Project Cost Estimate (att Local Match Project Accepted?	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	ion
Ground Project Cost Estimate (att Local Match Project Accepted?	Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ach detailed copy) Federal Funds h (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$2,520 \$280 \$2,800	\$400 \$650 \$3,500 \$8,500 \$3,000	7.0 0.0 0.0 0.0 0.0 0.0 0.0	\$2,800 \$0 \$0 \$0 \$0 \$0 \$0	sheets	ion

FN 59959 (06-2011)	Ca	valier 17 fro	om ND 66	S/L oma	a to ND	5
Agency Name	Cavalier County					
	Terry Johnston	-	Telephone N		-	2161
	-	1		umber.	101-230-	2101
	tjohnsto@nd.gov					
	. You may use additional sheets	s to further describ	e your project			
ocation Description						
		L	4.01			HSP Emphasis Area (check all that apply)
	ND 66/Loma ND 5	Lane Widtl Speed Lim				cohol Impaired Driving e Use of Safety Restraints for all Occupants
Facility Type:		Shoulder Widtl	•			river/Older Driver Safety
ADT:		Shoulder Typ				essive Driving
	Rural Paved	Length (miles				ents to Address Lane Departure Crashes
County Road		Rumble Installe				Emergency Medical Capabilities to Increase Survivability
,						ersection Safety
					-	- -
	Issues & Systemic Rank					
orth Dakota Crashes, 2008-20)12		5 years			
					Caronillas	RING0171_JPG CHEMHEL
	Total	Road Dept	K+A		South	
Crashes	0	0	0			
Density (per mile per year)		0.00	0.00			
Rate (per MVM)	0.00	0.00	0.00			
			Dood			
	Value	Critical	Road			
ADT Range	53	150≤ADT≤500			-	and the second
RD Density		0.032 8.0			Property.	Contraction of the second s
Access Density Curve Critical Radius Density		8.0 0.084	*		10 States	
Edge Risk	2	2 or 3	*		N 48 6896117	
		20.0	**		VV 98 600851	SR
Describe Proposed Safe	ty Improvements					
	Description	Туре	Cost per mi	Mileage	Cost	Notes - Intersection projects suggested on other sheets
	Description 4" Edge Lines	Type Proactive	Cost per mi \$400	Mileage 9.1	Cost \$3,640	_Notes - Intersection projects suggested on other sheets
				<u> </u>		_Notes - Intersection projects suggested on other sheets
	4" Edge Lines 6" Edge Lines Edge Rumble Strip	Proactive Proactive Proactive	\$400 \$650 \$3,500	9.1 0.0 0.0	\$3,640 \$0 \$0	_ Notes - Intersection projects suggested on other sheet
Grour	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings	Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500	9.1 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0	_ Notes - Intersection projects suggested on other sheet:
Grour	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip	Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	9.1 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0	_ Notes - Intersection projects suggested on other sheets
Grour	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings	Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500	9.1 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0	_ Notes - Intersection projects suggested on other sheet:
	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	
	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	_ Notes - Intersection projects suggested on other sheet: -
	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	
roject Cost Estimate (a	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds	Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	
roject Cost Estimate (a	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds rch (10% of Total project cost)	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364	\$400 \$650 \$3,500 \$8,500 \$3,000	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	
Project Cost Estimate (a	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds	Proactive Proactive Proactive Proactive Proactive Proactive	\$400 \$650 \$3,500 \$8,500 \$3,000	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	
Project Cost Estimate (a Local Mai	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	_Notes - Intersection projects suggested on other sheets
Project Cost Estimate (a Local Mat IDDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	
Droject Cost Estimate (a Local Mat DDDT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction
roject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction
roject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction
Droject Cost Estimate (a Local Mat DDDT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction
Troject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction
Droject Cost Estimate (a Local Mat DDDT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction
Troject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction
Troject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction
Project Cost Estimate (a Local Mat IDDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	 of Construction
Project Cost Estimate (a	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive Proactive \$3,276 \$364 \$3,640	\$400 \$650 \$3,500 \$8,500 \$3,000 \$650	9.1 0.0 0.0 0.0 0.0 0.0 0.0	\$3,640 \$0 \$0 \$0 \$0 \$0 \$0	- of Construction

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 26 from ND 1 to Cavalier 502.01/Road to Nekoma Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: ND 1 Lane Width: 12' End: Cavalier 502.01/Road to Nek Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 6' Younger Driver/Older Driver Safety Facility Type: 2-lane Shoulder Type: Paved Curb Aggressive Driving ADT: 250 \checkmark Length (miles): 0.6 Improvements to Address Lane Departure Crashes Road Type Rural Paved County Road Cavalier 26 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008-2012 5 years Total Road Dept K+A Crashes 0 0 0 Density (per mile per year) 0.00 0.00 0.00 Rate (per MVM) 0.00 0.00 0.00 Road Value Critical 250 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 14.4 Access Density 8.0 0.000 Curve Critical Radius Density 0.084 Edge Risk 1 2 or 3 ** Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Qualifies for edge line rumble. 4" Edge Lines \$400 0.0 Proactive \$0 6" Edge Lines Proactive \$650 0.6 \$390 Edge Rumble Strip Proactive \$3,500 \$0 0.0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$351 Local Match (10% of Total project cost) \$39 Total Project Cost \$390 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 9 Segment ID: 26.01 10/23/2013 Date

FN 59959 (06-2011)	Ca	valier 55 fr	om ND 1	to Cav	alier 3	39
Agency Name	Cavalier County					
	Terry Johnston	т	elephone N		-	2161
	•		elephone is	umber.	101-230-	2101
	tjohnsto@nd.gov	- to finith on door with				
	. You may use additional sheets	s to further describe	e your project			
ocation Description						
Otest			4.01			HSP Emphasis Area (check all that apply) cohol Impaired Driving
Start:	Cavalier 39	Lane Width Speed Limi				le Use of Safety Restraints for all Occupants
Facility Type:		Shoulder Width	•			river/Older Driver Safety
ADT:		Shoulder Type			0	essive Driving
	Rural Paved	Length (miles)				ents to Address Lane Departure Crashes
County Road		Rumble Installed				Emergency Medical Capabilities to Increase Survivability
						tersection Safety
	Issues & Systemic Rank					
rth Dakota Crashes, 2008-20	12		5 years			
		= .			Groutlar	RIMCOCON JIPS CHIMMICL
	Total	Road Dept	K+A		East	- 19/00
Crashes		2	0			
Density (per mile per year)		0.04	0.00			
Rate (per MVM)	1.07	0.72	0.00			and the second s
					-	alle and
					Concession in which the Party number of the Pa	
	Value	Critical	Road		Concession in	and the second
ADT Range		150≤ADT≤500			CEREMOND I	and the second second
RD Density		0.032	*			the second second
Access Density		8.0				
Curve Critical Radius Density		0.084	*		WGS-84	
Edge Risk	1	2 or 3			N 48.9058783 W 98.211371	
			**			
	(. 					
escribe Proposed Safe	ty improvements					
		_	A .		<u> </u>	
		Туре	Cost per mi	.	Cost	Notes - Qualifies for edge line rumble. Curve projects
	Description	Data di	\$400	10.6	\$4,240	suggested on other sheets.
	4" Edge Lines	Proactive			m n	
	4" Edge Lines 6" Edge Lines	Proactive	\$650	0.0	\$0 \$0	
Groui	4" Edge Lines 6" Edge Lines Edge Rumble Strip	Proactive Proactive	\$650 \$3,500	0.0 0.0	\$0	
Grour	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings	Proactive Proactive Proactive	\$650 \$3,500 \$8,500	0.0 0.0 0.0	\$0 \$0	
Grour	4" Edge Lines 6" Edge Lines Edge Rumble Strip	Proactive Proactive	\$650 \$3,500	0.0 0.0	\$0	
	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	_
	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Proactive Proactive Proactive Proactive Proactive	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
roject Cost Estimate (a	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds	Proactive Proactive Proactive Proactive Proactive \$3,816	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
roject Cost Estimate (a	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost)	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Project Cost Estimate (a	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds	Proactive Proactive Proactive Proactive Proactive \$3,816	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	 of Construction
P roject Cost Estimate (a Local Mat	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Troject Cost Estimate (a Local Mat	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Project Cost Estimate (a Local Mat IDDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Project Cost Estimate (a Local Mat IDDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Troject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
roject Cost Estimate (a Local Mat DDOT Central Office O oject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
roject Cost Estimate (a Local Mat DDOT Central Office O oject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Troject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Troject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Troject Cost Estimate (a Local Mat DDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	
Project Cost Estimate (a Local Mat IDDOT Central Office O roject Accepted?	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	ID Number
Project Cost Estimate (a	4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Proactive Proactive Proactive Proactive Proactive \$3,816 \$424 \$4,240	\$650 \$3,500 \$8,500 \$3,000	0.0 0.0 0.0 0.0 0.0	\$0 \$0 \$0 \$0	

Cavalier County Curves

										Crashes								
Curve Count	ID	Corridor	Segment	Start	End	Curve Advisory Sign	Speed Advisory Sign	Chevrons	Total	Total Severe	K A	Radius (ft)	ADT	Intersection on Curve	Visual Trap	Speed Limit	Risk Ranking	Notes
1	06B	6.04	Cavalier 6	Cavalier 13/Hanna CL	Cavalier 17	No	No	No	•	-		950	120	Yes	Yes	High	***	
2	13A	13.01	Cavalier 13	County Line	ND 66	No	No	No	-	-		830	70	Yes	Yes	High	***	
3	13B	13.01	Cavalier 13	County Line	ND 66	No	No	No	-	-		810	70	Yes	Yes	High	***	
4	17C	17.02	Cavalier 17	ND 66/Loma	ND 5	No	No	No	-	-		880	53	Yes	No	High	**	
5	17D	17.02	Cavalier 17	ND 66/Loma	ND 5	No	No	No	-	-		830	53	Yes	No	High	**	
6	039A	39.02	Cavalier 39	ND 66	ND 5	Yes	Yes	No	-	-		1130	290	Yes	No	High	**	
7	039B	39.02	Cavalier 39	ND 66	ND 5	Yes	Yes	No	-	-		1300	290	Yes	No	High	*	
8	55A	55.01	Cavalier 55	ND 1	Cavalier 39	No	No	No	1	-		1000	145	Yes	Yes	High	***	
9	55B	55.01	Cavalier 55	ND 1	Cavalier 39	No	No	No	-	-		920	145	No	No	High	*	
10	55C	55.01	Cavalier 55	ND 1	Cavalier 39	No	No	No	-	-		960	145	No	No	High	*	
11	55D	55.01	Cavalier 55	ND 1	Cavalier 39	No	No	No	-	-		730	145	No	No	High	*	
12	55E	55.01	Cavalier 55	ND 1	Cavalier 39	No	No	No	-	-		1970	145	Yes	No	High	*	
13	55F	55.01	Cavalier 55	ND 1	Cavalier 39	No	No	No	1	-		1200	145	Yes	No	High	**	
									2	-							4	

Critic Range		Max
Radii	us 500	1,200
AD	T 350	650

	Т	otal
Stars	#	%
****	0	0%
****	0	0%
***	4	31%
**	4	31%
*	5	38%
	0	0%
	13	100%

Contact Name: Terry Johnston Email Address: tjohnsto@nd.gov Telephone Number: 701-256-2161 Please attach a location map(s). You may use additional sheets to further describe your project. Start: Cavalier 13/ Hanna CL Lane Width: 12' Start: Cavalier 13/ Hanna CL Lane Width: 12' SHSP Emphasis Area (check all that apply) End: Cavalier 17 Speed Limit: High Increase the Use of Safety Restraints for all Occupants Facility Type: 2-lane Shoulder Type: Gravel Vounger Driver/Older Driver Safety ADT: 120 Shoulder Type: Gravel Improvements to Address Lane Departure Crashes County Road Cavalier 6 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Su Describe Current Safety Issues & Systemic Ranking Review Improve Intersection Safety Advance Vorth Dakota Crashes, 2008-2012 5 years Advance	FN 59959 (06-2011)	Agong				er 6 fro	om Cava	lier 13/Ha		Cavalier 17 ND DOT District	. 2		
Secarbo Description (Corridor Containing Curves) Stat: Caraller 13Hama CL Lane Width: 12 End: Craiter 13Hama CL Lane Width: 2 End: Craiter 13Hama CL En		Contac Email A	t Name: Address:	: Terry Johns : tjohnsto@ne	ston d.gov							1	
Start: Cavaller 13 ⁺ Hanna CL End: Cavaller 17 Lane Width: 12' Speed Limit: High Shoulder Ype: Cavel County Total County Total County Total County Type: Cavel County Read Cavaller 17 Shoulder Watt Shoulder Ype: Cavel County Read Cavaller 17 Shoulder Watt County Read Cavaller 17 Shoulder Watt Shoulder Ype: Cavel County Read Cavaller 2 Shoulder Watt Shoulder Watt Runce Instance: No Shoulder Watt Shoulder Paving County Read Cavaller 2 Secribe Current Safety Issues & Systemic Ranking Review County Read Cavaller 2 5 yaars Secribe Current Safety Issues & Systemic Ranking Review County Read Cavaller 4 The Review Cavaller Runce Instance: No Curve ID K A Redue (ft) ADT on Curve Trap Reading Chevron Cincial Redue Galler D No Poximity or High Priority Sign Shoulder Paving Runce Shoulder Runce Runce Shoulder Run					rther describ	e your proje	ect.						
End: Cavalier 17 Speed Limit: High Aud Type 24are Aud Type Rural Paved County Road Cavalier 5 Increase the Use of Safety Rearfants for all Occupants Shoulder Wile; 3.9 County Road Cavalier 5 Stand Type Rural Paved County Road Cavalier 5 Shoulder Wile; 3.9 Rurable Installied. No Increase the Use of Safety Rearfants for all Occupants County Road Cavalier 5 Standard Cavalier 5 Systemic Ranking Review Unit Datiotal Crashes, 2006-2012 Systemic Ranking Review Intersection Vaual Ranking Crashes, 2006-2012 Systemic Ranking Review Intersection Vaual Ranking Crashes, 2006-2012 Systemic Ranking Review Intersection Vaual Ranking Crashes, 2006-2012 Shoulder Paving Ranking Crashes, 2006-2012 Shoulder Paving Ranking Crashes, 2006-2012 Advance Advance Advance Existing Segment + Intersection Vaual Ranking Crashes, 2006-2012 Advance Ranking Crashes, 2006-2012 Advance Ranking Crashes, 2006-2012 Curve ID K A Ranking Crashes, 2006-2012 Notes Statey Ranking Crashes, 2006-2012 Advance Ranking Crashes, 2006-2012 Advance Ranking Crashes, 2006-2012 Advance Ranking Crashes, 2006-2012 Curve ID K A Ranking Crashes, 2006-2012 Curves are selected for project if. - 3 or nore 4 s	ocation Description		omanni	y curves)						SHSP Empha	sis Area (check a	II that apply)	
Orth Dakota Crashes, 2008-2012 5 years Advance Ourve ID K A Radus (t) ADT on Curve Trap Ranking Chevrons Critical Radus Project Pro	End: Cavalier 17 Facility Type: 2-lane ADT: 120 Road Type Rural Pave	End: Cavalier 17 Speed Limit: High ty Type: 2-lane Shoulder Width: 2' ADT: 120 Shoulder Type: Grave ad Type Rural Paved Length (miles): 3.9 ty Road Cavalier 6 Rumble Installed: No								Reduce Alcohol Imp Increase the Use of Younger Driver/Old Curb Aggressive Dr Improvements to Ac Enhancing Emerger	baired Driving Safety Restraints er Driver Safety iving ddress Lane Depa ncy Medical Capa	s for all Occupar arture Crashes	
Curve ID K A Radius (t) ADT On Curve Proximity or High Priority Sign Shoulder Paving Notes High Priority Notes Advance 08B 0 0 950 120 Yes Yes **** * K Chevron * X Notes Project	escribe Current Sa	e Current Safety Issues & Systemic Ranking Review											
Curve ID K A Radius (h) ADT Intersection on Curve Trap Trap Ranking Ranking Chevrons Critical Radius Sign Shoulder Paving Project Shoulder Paving Project Notice Paving Project N			-			years							
Curve numbering not consecutive, as some curves may have been removed from further analysis because a large radius, located on a gravel road, etc Ranking Criteria Criteria Curves are selected for project if: - 3 or more *s Curves are selected for project if: - 3 or more *s Curves are selected for project if: - 3 or more *s Curves are selected for project if: - 3 or more *s - 3 or more *s Curves are selected for project if: - 3 or more *s - 3 or more *s - 3 or more *s - 4 or more		. ,		on Curve	Trap	Ranking	Existing	Segment + Critical Radius	Improvement Project	-	Rumble Strip	Horizontal Alignment Warning Sign	
Criteria Criteria Curves are selected for project if: - 3 or more * s Severe Crashes > 0 - 3 or more * s Radius 500 to 1200 ADT 350 to 650 - x in Proximity or Existing Chevron column - </td <td>068 0 0</td> <td>950</td> <td>120</td> <td>Yes</td> <td>Yes</td> <td>***</td> <td>-</td> <td>X</td> <td>Cnevron</td> <td>-</td> <td>-</td> <td>X</td> <td>50</td>	068 0 0	950	120	Yes	Yes	***	-	X	Cnevron	-	-	X	50
Description Type Unit Cost Quantity Total cost Notes - Segment projects suggested Chevrons Proactive \$3,300 per curve 1 \$3,300 sheets. Arrow Board Only Proactive \$500 per curve 0 \$0 Advance Warning Sign/Speed Advisory Plaque Proactive \$800 per curve 1 \$8800 Shoulder Rumble Strip Proactive \$3,000 per mile .0 miles \$0 Shoulder Paving Proactive \$37,000 per mile .0 miles \$0 Shoulder Paving Proactive Federal Funds \$3,690 Local Match (10% of Total project cost) \$410 Proposed Proactive		secutive, as som	ne curves r	nay have been r	emoved fror	n further an	alysis because	e a large radius,	located on a gra	ivel road, etc			
Chevrons Proactive \$3,300 per curve 1 \$3,300 sheets. Arrow Board Only Proactive \$500 per curve 0 \$0 Advance Warning Sign/Speed Advisory Plaque Proactive \$800 per curve 1 \$800 Shoulder Rumble Strip Proactive \$3,000 per mile .0 miles \$0 Shoulder Paving Proactive \$37,000 per mile .0 miles \$0 Shoulder Paving Proactive \$37,000 per mile .0 miles \$0 Shoulder Paving Proactive \$37,000 per mile .0 miles \$0 Shoulder Paving Proactive \$37,000 per mile .0 miles \$0 Shoulder Paving Proactive Shoulder Paving Proactive \$37,000 per mile .0 miles \$0 Shoulder Copy Proposed Year of Construction Federal Funds \$3,690 Local Match (10% of Total project cost) \$410 \$410	anking Criteria		Inters	Severe Crashes Radius ADT section on Curve Visual Trap	Criteria > 0 500 to 1200 350 to 650 Yes	-)	Curves are se - 3 or more ★ - x in Proximit	elected for projects s ty or Existing Ch	ct if:	ivel road, etc			
roject Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$3,690 Local Match (10% of Total project cost) \$410	anking Criteria		Inters	Severe Crashes Radius ADT section on Curve Visual Trap	Criteria > 0 500 to 1200 3500 to 6500 Yes Yes	-) -	Curves are se - 3 or more ★ - x in Proximii - within Critica	elected for projects s ty or Existing Ch	ct if: evron column		Notos Somo		
Local Match (10% of Total project cost) \$410	Panking Criteria	Safety Improv	Inters vements	Severe Crashes Radius ADT section on Curve Visual Trap	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only Sory Plaque Rumble Strip	- Proactive Proactive Proactive Proactive	Curves are sr - 3 or more ★ - x in Proximi - within Critica Unit Cost \$3,300 \$500 \$3,000	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	ct if: evron column Quantity 1 0 1 .0 miles	Total cost \$3,300 \$0 \$800 \$0 \$0 \$0 \$0		nt projects sugg	ested on othe
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□ Improve Intersection Safety Describe Current Safety (ssues 5. Systemic Ranking Review 5 years Databala Crashes, 2008-2012 5 years Curve ID K A redue (f) 13A 0 0 810 70 Yeas Yeas <t< td=""><td>Road Type</td><td>Rural</td><td></td><td></td><td></td><td>Ler</td><td>ngth (miles):</td><td>7.0</td><td></td><td></td><td>2</td><td>Improvements to Ad</td><td>Idress Lane Depa</td><td></td><td></td></t<>	Road Type	Rural				Ler	ngth (miles):	7.0			2	Improvements to Ad	Idress Lane Depa		
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138 0 0 810 70 Yes Yes **** - X Chevron - X Curve numbering not consecutive, as some curves may have been removed from further analysis because a large radius, located on a gravel road, etc. Carteria - - X Curve numbering not consecutive, as some curves may have been removed from further analysis because a large radius, located on a gravel road, etc. - - - X Radius 500 to 1200 Radius 500 to 1200 -	Curve ID	к	А	Radius (ft)	ADT						Project	-		0	Advisory Spe Plaque
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FN 59959 (06-2011)		Cu	rves on	Caval	ier 17 fro	om ND 66/	Loma to N	ID 5			
Ag	ency Name:	: Cavalier Cou	unty				I	ND DOT District	: 3		
		: Terry Johns : tjohnsto@no					Tele	ephone Number	: 701-256-2161	1	
ease attach a location map(s). You r				e your proje	ect.						
ocation Description (Corrido	or Containing	g Curves)							· • · · •		
Start: ND 66/Loma		L	ane Width:	12'				Reduce Alcohol Imp	sis Area (check all baired Driving	i that apply)	
End: ND 5 Facility Type: 2-lane			peed Limit: ulder Width:					Increase the Use of Younger Driver/Olde		for all Occupar	nts
ADT: 53		Sho	ulder Type:	Gravel				Curb Aggressive Dr	iving		
Road Type Rural Paved County Road Cavalier 17			igth (miles): le Installed:					Improvements to Ac Enhancing Emerger			se Survivabilit
···· • • • • •								Improve Intersection			
	cribe Current Safety Issues & Systemic Ranking Review										
orth Dakota Crashes, 2008-2012			5	years						Advance	
					Proximity or	High Priority	Sign		Shoulder	Horizontal	
Curve ID K A Radius (ft) ADT	Intersection on Curve	Visual Trap	Risk Ranking	Existing Chevrons	Segment + Critical Radius	Improvement Project	Shoulder Paving Project	Rumble Strip Project	Alignment Warning Sign	Advisory Spe Plaque
17C 0 0 880 17D 0 0 830	53	Yes	No	**	-	x	Chevron	-	-	х	45 45
17D 0 0 <mark>830</mark>	53	Yes	No	**	-	X	Chevron	-	-	Х	45
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anking Criteria	Inters	Severe Crashes Radius : ADT section on Curve Visual Trap	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only	Type Proactive Proactive Proactive	Curves are sr - 3 or more ★ - x in Proximi - within Critica - within Criti	elected for project s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	ct if:	vel road, etc Total cost \$6,600 \$0 \$1,600 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	_Notes - Segmen suggested on ot		on projects
anking Criteria	Inters	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R Shoulder R	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque umble Strip	Type Proactive Proactive Proactive	Curves are sr - 3 or more ★ - x in Proximi - within Critica within Critica \$3,300 \$3,300 \$3,000	elected for project s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Quantity Quantity 2 0 2 .0 miles .0 miles	Total cost \$6,600 \$0 \$1,600 \$0 \$0 \$0 \$8,200	suggested on ot		on projects
anking Criteria	Inters	Severe Crashes Radius : ADT section on Curve Visual Trap Sign/Speed Advis Shoulder R Shoulder R Shou	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque umble Strip Ider Paving	Type Proactive Proactive Proactive Proactive	Curves are sr - 3 or more ★ - x in Proximi - within Critica within Critica \$3,300 \$3,300 \$3,000	elected for project s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Quantity Quantity 2 0 2 .0 miles .0 miles	Total cost \$6,600 \$0 \$1,600 \$0 \$0 \$0	suggested on ot		on projects
eurve numbering not consecutive, as anking Criteria 	Inters	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R Shoulder R Shou Py) Fec	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque umble Strip Ider Paving deral Funds	Type Proactive Proactive Proactive Proactive \$7,380 \$820	Curves are sr - 3 or more ★ - x in Proximi - within Critica within Critica \$3,300 \$3,300 \$3,000	elected for project s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Quantity Quantity 2 0 2 .0 miles .0 miles	Total cost \$6,600 \$0 \$1,600 \$0 \$0 \$0 \$8,200	suggested on ot		on projects
escribe Proposed Safety Imp Adva roject Cost Estimate (attach	Inters	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R Shoulder R Shou Py) Fec	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque umble Strip Ider Paving deral Funds project cost)	Type Proactive Proactive Proactive Proactive \$7,380 \$820	Curves are sr - 3 or more ★ - x in Proximi - within Critica within Critica \$3,300 \$3,300 \$3,000	elected for project s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Quantity Quantity 2 0 2 .0 miles .0 miles	Total cost \$6,600 \$0 \$1,600 \$0 \$0 \$0 \$8,200	suggested on ot		on projects
anking Criteria	Inters	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R Shoulder R Shou Py) Fec	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque umble Strip Ider Paving deral Funds project cost)	Type Proactive Proactive Proactive Proactive \$7,380 \$820 \$8,200	Curves are sr - 3 or more ★ - x in Proximi - within Critica within Critica \$3,300 \$3,300 \$3,000	elected for project s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Ct if: evron column Quantity 2 0 2 .0 miles .0 miles Proposed Ye	Total cost \$6,600 \$0 \$1,600 \$0 \$0 \$0 \$8,200	suggested on ot		on projects
anking Criteria escribe Proposed Safety Imp Adva roject Cost Estimate (attach	Inters	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R Shoulder R Shou Py) Fec	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque umble Strip Ider Paving deral Funds project Cost	Type Proactive Proactive Proactive Proactive \$7,380 \$820 \$8,200	Curves are sr - 3 or more ★ - x in Proximi - within Critica within Critica \$3,300 \$3,300 \$3,000	elected for project s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Ct if: evron column Quantity 2 0 2 .0 miles .0 miles Proposed Ye	Total cost \$6,600 \$0 \$1,600 \$0 \$0 \$8,200 ear of Construct	suggested on ot		on projects

				Curves	on Ca	valier 39	from ND	66 to ND	5				
lease attach a location r	Conta Email	Address:	: Cavalier Cou : Terry Johnst : tjohnsto@no	ton d.gov		ot			ND DOT District ephone Number		1		
ocation Descriptio					e your proje								
Start: ND 66 End: ND 5 Facility Type: 2-lane ADT: 290 Road Type Rural Pav County Road Cavalier 3	ed		L S Shou Sho Len	ane Width: peed Limit: Ilder Width: ulder Type: gth (miles): le Installed:	High 1' Paved 9.1				SHSP Empha: Reduce Alcohol Imp Increase the Use of Younger Driver/Oldo Curb Aggressive Dr Improvements to Ac Enhancing Emerger Improve Intersection	Safety Restraints er Driver Safety iving ddress Lane Depa ncy Medical Capal	for all Occupar	5	
escribe Current Sa	afety Issues	& System	nic Ranking R	eview				1					
scribe Current Safety Issues & Systemic Ranking Review th Dakota Crashes, 2008-2012 5 years Proximity or High Pri Intersection Visual Risk Existing Segme Curve ID K A Radius (ft) ADT on Curve Trap Ranking Chevrons Critical R									Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	Advisory Spe Plaque	
039A 0 0 039B 0 0	<mark>1130</mark> 1300	290 290	Yes Yes	No No	** *	-	X -	Chevron -	-	-	-	-	
			Severe Crashes Radius	Criteria > 0 500 to 1200 350 to 650 Yes Yes		- 3 or more *s	y or Existing Ch						
				103									
Describe Proposed	-		Arrow Sign/Speed Advis Shoulder Ri	umble Strip	Proactive Proactive Proactive Proactive	\$500 p \$800 p \$3,000 p		Quantity 1 0 0 .0 miles .0 miles	Total cost \$3,300 \$0 \$0 \$0 \$0 \$0	_ Notes - Segmen suggested on ot		on projects	
Shoulder Paving Proactive \$37,000 per n								Proposed Y	\$3,300 Tear of Construct	tion			
roiect Cost Estima			Fec	deral Funds project cost)	\$330								
Project Cost Estima		LUCAI WALC	Total Pro	ject Cost	\$3,300								
Project Cost Estima IDDOT Central Offi	ce Only			ject Cost	\$3,300								

lease attach a location map ocation Description Start: ND 1 End: Cavalier 39 Facility Type: 2-lane ADT: 145 Road Type Rural Paved County Road Cavalier 55 Describe Current Safe forth Dakota Crashes, 2006	Con Em: o(s). You r Corrido	ntact Name: ail Address: nay use additio	g Curves) L	ton d.gov ther describ	e your proje				ND DOT District:		I	
Start: ND 1 End: Cavalier 39 Facility Type: 2-lane ADT: 145 Road Type Rural Paved County Road Cavalier 55	Ema p(s). You n Corridd	ail Address: nay use addition	: tjohnsto@ne onal sheets to fur g Curves)	ther describ	e your proje	at		Tele	ephone Number:	701-256-2161		
Start: ND 1 End: Cavalier 39 Facility Type: 2-lane ADT: 145 Road Type Rural Paved County Road Cavalier 55	o(s). You r Corrido	nay use additio	onal sheets to fur g Curves) L	ther describ	e your proje	. et						
Start: ND 1 End: Cavalier 39 Facility Type: 2-lane ADT: 145 Road Type Rural Paved County Road Cavalier 55	Corrido ty Issue		g Curves) L	ane Width:	e your proje							
Start: ND 1 End: Cavalier 39 Facility Type: 2-lane ADT: 145 Road Type Rural Paved County Road Cavalier 55 Describe Current Safe	ty Issue		l S			eci.						
End: Cavalier 39 Facility Type: 2-lane ADT: 145 Road Type Rural Paved County Road Cavalier 55 Describe Current Safe			S							sis Area (check all	that apply)	
Facility Type: 2-lane ADT: 145 Road Type Rural Paved County Road Cavalier 55 Describe Current Safe									Reduce Alcohol Imp Increase the Use of		for all Occurre	ata
Road Type Rural Paved County Road Cavalier 55 Describe Current Safe				Speed Limit: ulder Width:					Younger Driver/Olde			115
County Road Cavalier 55 Describe Current Safe				ulder Type:					Curb Aggressive Dri			
Describe Current Safe				igth (miles): le Installed:					Improvements to Ad Enhancing Emergen			ase Survivabilitv
									Improve Intersection			,
orth Dakota Crashes, 2008		s & System	nic Ranking R	eview								
	-2012			5	years						Advance	
						Proximity or	High Priority	Sign		Shoulder	Horizontal	
	D (0		Intersection	Visual	Risk	Existing	Segment +	Improvement	Shoulder Paving	Rumble Strip	Alignment	Advisory Spe
Curve ID K A 55A 0 0	Radius (fl) ADT 145	on Curve Yes	Trap Yes	Ranking ★★★	Chevrons -	Critical Radius x	Project Chevron	Project -	Project -	Warning Sign x	n Plaque 50
55B 0 0	920	145	No	No	*	х	x	Chevron	-	-	x	50
55C 0 0 55D 0 0	960 730	145 145	No No	No No	*	X	X	Chevron Chevron	-	-	x x	50 45
55E 0 0	1970	145	Yes	No	*	x x	x -	-	-	-	-	-
55F 0 0	1200	145	Yes	No	**	х	х	Chevron	-	-	-	-
anking Criteria			Severe Crashes Radius	Criteria > 0 500 to 1200 350 to 650)	- 3 or more 🖈	ty or Existing Ch					
		Inters	section on Curve	Yes								
			Visual Trap	Yes								
escribe Proposed Sa	fety Im	provements										
				Description		Unit Cost		Quantity	Total cost	Notes - Segmen	t projects sugg	ested on other
			Arrow	Board Only	Proactive Proactive		per curve per curve	5 0	\$16,500 \$0	sheets.		
	Adv	ance Warning	Sign/Speed Advis	sory Plaque	Proactive	\$800	per curve	4	\$3,200			
				umble Strip Ider Paving		\$3,000 \$37,000	per mile per mile	.0 miles .0 miles	\$0 \$0			
				idoi i diing	110000110	<i>Q</i> (1,000			\$19,700	-		
Project Cost Estimate	(attach	detailed co	ру)					Proposed Ye	ear of Construct	ion		
		Local Mate	h (10% of Total p		\$1,970	_						
_			Total Pro	oject Cost	\$19,700	-						
IDDOT Central Office				Doferer	o Number				ID Number	T		
roject Accepted? otes	Yes	No		Reference	e Number	1			ID Number	1		
											Page	

Cavalier County
Summary of Rural Intersection Projects

Page	Intersection ID	Description	Risk Ranking	Close Median	Install Street Lights	Signs & Markings	Project Cost (\$)
1	6.02	Cavalier 6 and ND 20 (80th Ave) North	***	-	-	х	\$1,150
2	26.01	Cavalier 26 and ND 1	***	Х	-	х	\$28,700
3	6.07	Cavalier 6 and ND 1	**	-	-	х	\$1,150
4	13.03	Cavalier 13 and ND 66 (East)	**	-	-	х	\$3,000
5	13.04	Cavalier 13 and ND 66 (West)	**	-	-	х	\$2,800
6	17.04	Cavalier 17 and ND 66 (West)	**	-	-	х	\$3,250
7	17.05	Cavalier 17 and ND 5	**	-	-	х	\$3,700
8	39.02	Cavalier 39 and ND 5	**	-	Х	х	\$9,000
9	45.01	Cavalier 45 and ND 66 (west)	**	-	-	х	\$2,550
				1	1	10	\$55,300

Cavalier County Rural Intersection Listing

Int #	Intersection Description	Skew	On/Near Curve	Development	RR Xing	ADT	Previous STOP (>5mi)	Total Crashes	Cross Product ADT >100,000	Cra	sh Cost
6.01	Cavalier 6 and ND 20 (80th Ave) South	No	No	No	No	172	No	0	No	\$	-
6.02	Cavalier 6 and ND 20 (80th Ave) North	Yes	Yes	No	No	100	Yes	0	No	\$	-
6.03	Cavalier 6 and Cavalier 13	No	No	No	No	213	Yes	0	No	\$	-
6.04	Cavalier 6 and 108th Street	No	No	No	No	140	Yes	0	No	\$	-
6.05	Cavalier 6 and Cavalier 17	No	No	No	No	205	Yes	0	No	\$	-
6.06	Cavalier 6 and Cavalier 23	No	No	No	No	95	Yes	0	No	\$	-
6.07	Cavalier 6 and ND 1	No	No	No	No	265	Yes	1	No		824,000
12.01	Cavalier 12 and ND 20	No	No	No	No	288	Yes	0	No	\$	-
12.02	Cavalier 12 and Cavalier 13	No	No	No	No	85	Yes	0	No	\$	-
13.01	NOT WITH COUNTY ROAD	No	Yes	No	No	86	0	0	No	\$	-
	NOT WITH COUNTY ROAD	No	Yes	No	No	85	0	0	No	\$	-
	Cavalier 13 and ND 66 (East)	No	No	No	Yes	315	Yes	0	No	\$	-
	Cavalier 13 and ND 66 (West)	No	No	No	Yes	320	Yes	0	No	\$	-
	Cavalier 13 and ND 5	No	No	No	No	643	Yes	0	No	\$	-
	NOT WITH COUNTY ROAD	No	Yes	No	No	37	0	0	No	\$	-
	NOT WITH COUNTY ROAD	No	Yes	No	No	35	0	0	No	\$	-
-	Cavalier 17 and ND 66 (East)	No	No	No	No	253	Yes	0	No	\$	-
	Cavalier 17 and ND 66 (West)	No	No	No	Yes	265	Yes	0	No	\$	-
	Cavalier 17 and ND 5	No	No	No	No	915	Yes	0	Yes	\$	-
	Cavalier 23 and ND 5	No	No	No	No	1005	Yes	0	No	\$	-
	Cavalier 24 and Cavalier 39	No	No	No	No	435	Yes	0	No	\$	-
-	Cavalier 24 and Cavalier 45	No	No	No	No	54	Yes	0	No	\$	-
-	Cavalier 24 (87th Street) and Cavalier 24 (23rd Ave)	No	No	No	No	54	No	0	No	\$	-
	Cavalier 24 (23rd Ave) and Cavalier 24 (88th Street)	No	No	No	No	44	No	1	No	\$	12,000
26.01	Cavalier 26 and ND 1	Yes	Yes	No	No	765	Yes	0	No	\$	-
	Cavalier 26 and Cavalier 502	No	No	No	No	243	No	0	No	\$	-
	Cavalier 26 and Cavalier 503	No	No	No	No	13	Yes	0	No	\$	-
	Cavalier 33 and ND 66	No	No	No	No	417	Yes	0	No	\$	-
	Cavalier 33 and ND 5	No	No	No	No	1155	Yes	0	No	\$	-
	Cavalier 33 and Cavalier 55	No	No	No	No	110	Yes	0	No	\$	-
39.01	Cavalier 39 and ND 66	No	No	No	No	693	Yes	0	No	\$	-
	Cavalier 39 and ND 5	No	No	No	No	1030	Yes	0	Yes	\$	-
	Cavalier 39 and Cavalier 55	No	No	No	No	187	Yes	0	No	\$	-
45.01	Cavalier 45 and ND 66 (west)	Yes	No	No	No	58	Yes	0	No	\$	-
	Cavalier 45 and ND 66 (east)	No	No	No	No	0	Yes	0	No	\$	-
	Cavalier 45 and ND 5	No	No	No	No	0	Yes	0	No	\$	-
55.01	Cavalier 55 and ND 1	No	No	No	No	473	Yes	0	No	\$	_
	Cavalier 503 and ND 66	No	No	No	No	375	No	0	No	\$	_
	Cavalier 505 and ND 5	No	No	No	No	365	No	0	No	\$	_
	Cavalier 507 and ND 1	No	No	No	No	987	No	0	No	\$	_
	Cavalier 508 and ND 1	No	No	No	No	729	No	0	No	\$	-
	Cavalier 510 and ND 1	No	No	No	No	563	No	0	No	\$	-

Cavalier County Rural Intersection Prioritization

Rank	Int #	Intersection Description	Skew	On/Nea Curve	^r Development RR Xing	Previous STOP (>5mi)	Total Crashes	Cross Product ADT >100,000	Priority	Cra	sh Cost
1	6.02	Cavalier 6 and ND 20 (80th Ave) North	*	*		*			***	\$	-
2	26.01	Cavalier 26 and ND 1	*	*		*			***	\$	-
3	6.07	Cavalier 6 and ND 1				*	*		**		824,000
4	13.03	Cavalier 13 and ND 66 (East)			*	*			**	\$	-
5	13.04	Cavalier 13 and ND 66 (West)			*	*			**	\$	-
6	17.04	Cavalier 17 and ND 66 (West)			*	*			**	\$	-
7	17.05	Cavalier 17 and ND 5				*		*	**	\$	-
8	39.02	Cavalier 39 and ND 5				*		*	**	\$	-
9	45.01	Cavalier 45 and ND 66 (west)	*			*			**	\$	-
10	24.04	Cavalier 24 (23rd Ave) and Cavalier 24 (88th Street)					*		*	\$	12,000
11	6.03	Cavalier 6 and Cavalier 13				*			*	\$	-
12	6.04	Cavalier 6 and 108th Street				*			*	\$	-
13	6.05	Cavalier 6 and Cavalier 17				*			*	\$	-
14	6.06	Cavalier 6 and Cavalier 23				*			*	\$	-
15	12.01	Cavalier 12 and ND 20				*			*	\$	-
16	12.02	Cavalier 12 and Cavalier 13				*			*	\$	-
17	13.01	NOT WITH COUNTY ROAD		*					*	\$	-
18	13.02	NOT WITH COUNTY ROAD		*					*	\$	-
19	13.05	Cavalier 13 and ND 5				*			*	\$	-
20	17.01	NOT WITH COUNTY ROAD		*					*	\$	-
21	17.02	NOT WITH COUNTY ROAD		*					*	\$	-
22	17.03	Cavalier 17 and ND 66 (East)				*			*	\$	-
23	23.01	Cavalier 23 and ND 5				*			*	\$	-
24	24.01	Cavalier 24 and Cavalier 39				*			*	\$	-
25	24.02	Cavalier 24 and Cavalier 45				*			*	\$	-
26	26.03	Cavalier 26 and Cavalier 503				*			*	\$	-
27	33.01	Cavalier 33 and ND 66				*			*	\$	-
28	33.02	Cavalier 33 and ND 5				*			*	\$	-
29	33.03	Cavalier 33 and Cavalier 55				*			*	\$	-
30	39.01	Cavalier 39 and ND 66				*			*	\$	-
31	39.03	Cavalier 39 and Cavalier 55				*			*	\$	-
32	45.02	Cavalier 45 and ND 66 (east)				*			*	\$	-
33	45.03	Cavalier 45 and ND 5				*			*	\$	-
34	55.01	Cavalier 55 and ND 1				*			*	\$	-
35	6.01	Cavalier 6 and ND 20 (80th Ave) South								\$	-
36	24.03	Cavalier 24 (87th Street) and Cavalier 24 (23rd Ave)								\$	-
37	26.02	Cavalier 26 and Cavalier 502								\$	-
38	503	Cavalier 503 and ND 66								\$	-
39	506	Cavalier 506 and ND 5								\$	-
40	507	Cavalier 507 and ND 1								\$	-
41	508.01	Cavalier 508 and ND 1								\$	-
42	510	Cavalier 510 and ND 1								\$	-
	Totals	Total Star % That Gets Sta 0 0%		6 14%	0 3 0% 7%	29 69%	2 5%	2 5%			

	#	%
******	0	0%
*****	0	0%
****	0	0%
****	0	0%
***	2	5%
**	7	17%
*	25	60%
-	8	19%
	42	100%

	Otals
Skew -	If intersection is skewed at an angle of 20 degrees or greater.
On/Near Curve -	If intersection is on or within 1,000 feet of curve.
Development -	If intersection aerial shows a commercial development with access near intersection.
RR Xing -	If intersection has a railroad crossing on any approach within 500 feet.

Previous STOP (>5 mi) - If vehicles approaching the stop control have not had a previous stop along the roadway within 5 miles Total Crashes - If intersection has at least 1 crash. Cross Product ADT - If intersection has an ADT cross product >100,000

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 6 and ND 20 (80th Ave) North Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: T Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Cavalier Major Entering ADT: 70 Improvements to Address Lane Departure Crashes Entering ADT: 100 Minor Entering ADT: 60 Enhancing Emergency Medical Capabilities to Increase Survivability \square Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total Angle K+A Crashes 0 0 0 Rate (per MVM) 0.0 0.0 0.0 Value Critical **Risk Ranking** Skew Yes Yes On/Near Curve Yes Yes Development No Yes Near RR Crossing No Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product No **Total Crashes** 0 >0 *** Describe Proposed Safety Improvements Unit Cost Units Description Cost Notes -Roundabout \$1,000,000 per intersection 0 \$0.00 **Directional Median** \$750,000 per intersection 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection \$0.00 0 Installing Street Lights \$6,000 per street light 0 \$0.00 Upgrade Stop Sign \$350 per sign 1 \$350.00 Upgrade Junction Sign \$350 per sign \$350.00 1 Upgrade Stop Ahead Sign \$450 per sign 1 \$450.00 Upgrade Stop Ahead Marking \$450 per marking 0 \$0.00 Upgrade Stop Bar \$250 per marking 0 \$0.00 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$1,150.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction \$1,035 Federal Funds Local Match (10% of Total project cost) \$115 Total Project Cost \$1,150 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 1 Intersection ID: 6.02 Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 26 and ND 1 Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: X Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Divided Street Lights: No Younger Driver/Older Driver Safety Curb Aggressive Driving Urban/Rural: Rural Flashers: No County: Cavalier Major Entering ADT: 640 Improvements to Address Lane Departure Crashes Entering ADT: 765 Minor Entering ADT: 125 Enhancing Emergency Medical Capabilities to Increase Survivability \square Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total K+A Angle Crashes 0 0 0 Rate (per MVM) 0.0 0.0 0.0 Risk Ranking Value Critical Skew Yes Yes On/Near Curve Yes Yes Development No Yes Near RR Crossing No Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product No **Total Crashes** 0 >0 *** Describe Proposed Safety Improvements Unit Cost Description Units Cost Notes -Roundabout \$1,000,000 per intersection 0 \$0.00 \$750,000 per intersection **Directional Median** 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection \$25,000.00 1 Installing Street Lights \$6,000 per street light 0 \$0.00 Upgrade Stop Sign \$350 per sign 2 \$700.00 Upgrade Junction Sign \$350 per sign 2 \$700.00 Upgrade Stop Ahead Sign \$900.00 \$450 per sign 2 Upgrade Stop Ahead Marking \$450 per marking 2 \$900.00 2 Upgrade Stop Bar \$250 per marking \$500.00 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$28,700.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction \$25,830 Federal Funds Local Match (10% of Total project cost) \$2.870 Total Project Cost \$28,700 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 2 Intersection ID: 26.01 Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 6 and ND 1 Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: T Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Cavalier Major Entering ADT: 243 Improvements to Address Lane Departure Crashes Entering ADT: 265 Minor Entering ADT: 45 Enhancing Emergency Medical Capabilities to Increase Survivability \square Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total Angle K+A Crashes 0 1 1 Rate (per MVM) 2.1 0.0 2.1 Value Critical **Risk Ranking** Skew Yes No On/Near Curve No Yes No Development Yes Near RR Crossing No Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product No **Total Crashes** 1 >0 Describe Proposed Safety Improvements Unit Cost Units Description Cost Notes -Roundabout \$1,000,000 per intersection 0 \$0.00 \$750,000 per intersection **Directional Median** 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection \$0.00 0 Installing Street Lights \$6,000 per street light 0 \$0.00 Upgrade Stop Sign \$350 per sign 1 \$350.00 Upgrade Junction Sign \$350 per sign \$350.00 1 Upgrade Stop Ahead Sign \$450 per sign 1 \$450.00 Upgrade Stop Ahead Marking \$450 per marking 0 \$0.00 Upgrade Stop Bar \$250 per marking 0 \$0.00 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$1,150.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction \$1,035 Federal Funds Local Match (10% of Total project cost) \$115 Total Project Cost \$1,150 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 3 Intersection ID: 6.07 Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 13 and ND 66 (East) Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: X Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Cavalier Major Entering ADT: 273 Improvements to Address Lane Departure Crashes Entering ADT: 315 Minor Entering ADT: 42 Enhancing Emergency Medical Capabilities to Increase Survivability \square Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total K+A Angle Crashes 0 0 0 Rate (per MVM) 0.0 0.0 0.0 Value Critical **Risk Ranking** Skew Yes No On/Near Curve No Yes No Development Yes Near RR Crossing Yes Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product No **Total Crashes** 0 >0 ** Describe Proposed Safety Improvements Unit Cost Cost Units Description Notes - Segment and curve projects suggested on Roundabout \$1,000,000 per intersection 0 \$0.00 other sheets. \$750,000 per intersection **Directional Median** 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection 0 \$0.00 Installing Street Lights \$6,000 per street light 0 \$0.00 Upgrade Stop Sign \$350 per sign 2 \$700.00 Upgrade Junction Sign \$350 per sign 2 \$700.00 Upgrade Stop Ahead Sign \$900.00 \$450 per sign 2 Upgrade Stop Ahead Marking \$450 per marking 1 \$450.00 Upgrade Stop Bar \$250 per marking \$250.00 1 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$3,000.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction \$2 700 Federal Funds Local Match (10% of Total project cost) \$300 Total Project Cost \$3,000 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 4 Intersection ID: 13.03 Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 13 and ND 66 (West) Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: X Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Cavalier Major Entering ADT: 303 Improvements to Address Lane Departure Crashes Entering ADT: 320 Minor Entering ADT: 18 Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety \square Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total Angle K+A Crashes 0 0 0 Rate (per MVM) 0.0 0.0 0.0 Value Critical **Risk Ranking** Skew Yes No On/Near Curve No Yes No Development Yes Near RR Crossing Yes Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product No **Total Crashes** 0 >0 ** Describe Proposed Safety Improvements Unit Cost Units Description Cost Notes - . Roundabout \$1,000,000 per intersection 0 \$0.00 **Directional Median** \$750,000 per intersection 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection 0 \$0.00 Installing Street Lights \$6,000 per street light 0 \$0.00 2 Upgrade Stop Sign \$350 per sign \$700.00 Upgrade Junction Sign \$350 per sign 2 \$700.00 Upgrade Stop Ahead Sign \$900.00 \$450 per sign 2 Upgrade Stop Ahead Marking \$450 per marking 0 \$0.00 Upgrade Stop Bar \$250 per marking 2 \$500.00 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$2,800.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$2 520 Local Match (10% of Total project cost) \$280 Total Project Cost \$2,800 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 5 Intersection ID: 13.04 Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 17 and ND 66 (West) Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: X Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Cavalier Major Entering ADT: 228 Improvements to Address Lane Departure Crashes Entering ADT: 265 Minor Entering ADT: 37 Enhancing Emergency Medical Capabilities to Increase Survivability \square Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total K+A Angle Crashes 0 0 0 Rate (per MVM) 0.0 0.0 0.0 Value Critical **Risk Ranking** Skew Yes No On/Near Curve No Yes No Development Yes Near RR Crossing Yes Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product No **Total Crashes** 0 >0 * * Describe Proposed Safety Improvements Unit Cost Description Units Cost Notes - Segment and curve projects suggested on Roundabout \$1,000,000 per intersection 0 \$0.00 other sheets. \$750,000 per intersection **Directional Median** 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection 0 \$0.00 Installing Street Lights \$6,000 per street light 0 \$0.00 Upgrade Stop Sign \$350 per sign 2 \$700.00 Upgrade Junction Sign \$350 per sign 2 \$700.00 Upgrade Stop Ahead Sign \$900.00 \$450 per sign 2 Upgrade Stop Ahead Marking \$450 per marking 1 \$450.00 Upgrade Stop Bar \$250 per marking 2 \$500.00 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$3,250.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$2 925 Local Match (10% of Total project cost) \$325 Total Project Cost \$3,250 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 6 Intersection ID: 17.04 Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 17 and ND 5 Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: X Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Flashers: No Curb Aggressive Driving County: Cavalier Major Entering ADT: 775 Improvements to Address Lane Departure Crashes Entering ADT: 915 Minor Entering ADT: 140 Enhancing Emergency Medical Capabilities to Increase Survivability $\overline{\mathbf{A}}$ Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total K+A Angle Crashes 0 0 0 Rate (per MVM) 0.0 0.0 0.0 Critical Value **Risk Ranking** Skew Yes No On/Near Curve No Yes No Development Yes Near RR Crossing No Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product Yes **Total Crashes** 0 >0 * * Describe Proposed Safety Improvements Unit Cost Units Cost Description Notes - Segment and curve projects suggested on Roundabout \$1,000,000 per intersection 0 \$0.00 other sheets **Directional Median** \$750,000 per intersection 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection 0 \$0.00 Installing Street Lights \$6,000 per street light 0 \$0.00 2 Upgrade Stop Sign \$350 per sign \$700.00 Upgrade Junction Sign \$350 per sign 2 \$700.00 Upgrade Stop Ahead Sign \$900.00 \$450 per sign 2 Upgrade Stop Ahead Marking \$450 per marking 2 \$900.00 Upgrade Stop Bar 2 \$500.00 \$250 per marking Review Signs and CST \$2,450 per intersection 0 \$0.00 \$3,700.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction \$3,330 Federal Funds Local Match (10% of Total project cost) \$370 Total Project Cost \$3,700 NDDOT Central Office Only Project Accepted? Yes □ No Reference Number ID Number Notes Page: 7 Intersection ID: 17.05 Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 39 and ND 5 Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: X Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Cavalier Major Entering ADT: 863 Improvements to Address Lane Departure Crashes Entering ADT: 1030 Minor Entering ADT: 168 Enhancing Emergency Medical Capabilities to Increase Survivability \square Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total K+A Angle Crashes 0 0 0 Rate (per MVM) 0.0 0.0 0.0 Critical Value **Risk Ranking** Skew Yes No On/Near Curve No Yes No Development Yes Near RR Crossing No Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product Yes **Total Crashes** 0 >0 * * Describe Proposed Safety Improvements Unit Cost Cost Units Description Notes - Segment and curve projects suggested on Roundabout \$1,000,000 per intersection 0 \$0.00 other sheets \$750,000 per intersection \$0.00 **Directional Median** 0 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection 0 \$0.00 \$6,000.00 Installing Street Lights \$6,000 per street light 1 Upgrade Stop Sign \$350 per sign 2 \$700.00 Upgrade Junction Sign \$350 per sign 2 \$700.00 Upgrade Stop Ahead Sign \$900.00 \$450 per sign 2 Upgrade Stop Ahead Marking \$450 per marking 1 \$450.00 Upgrade Stop Bar \$250.00 \$250 per marking 1 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$9,000.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction \$8 100 Federal Funds Local Match (10% of Total project cost) \$900 Total Project Cost \$9,000 NDDOT Central Office Only Project Accepted? Yes □ No Reference Number ID Number Notes Page: 8 Intersection ID: 39.02 Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Cavalier 45 and ND 66 (west) Agency Name: Cavalier County ND DOT District: 3 **Contact Name: Terry Johnston** Telephone Number: 701-256-2161 Email Address: tjohnsto@nd.gov Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: X Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Cavalier Major Entering ADT: 29 Improvements to Address Lane Departure Crashes Entering ADT: 58 Minor Entering ADT: 29 Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety \square Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total Angle K+A Crashes 0 0 0 Rate (per MVM) 0.0 0.0 0.0 Value Critical **Risk Ranking** Skew Yes Yes On/Near Curve No Yes No Development Yes Near RR Crossing No Yes Distance from previous STOP Yes Yes ≥ 100,000 Volume Cross Product No **Total Crashes** 0 >0 ** Describe Proposed Safety Improvements Unit Cost Units Description Cost Notes -Roundabout \$1,000,000 per intersection 0 \$0.00 \$750,000 per intersection **Directional Median** 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection 0 \$0.00 Installing Street Lights \$6,000 per street light 0 \$0.00 Upgrade Stop Sign \$350 per sign 2 \$700.00 Upgrade Junction Sign \$350 per sign 2 \$700.00 Upgrade Stop Ahead Sign \$900.00 \$450 per sign 2 Upgrade Stop Ahead Marking \$450 per marking 0 \$0.00 Upgrade Stop Bar \$250 per marking \$250.00 1 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$2,550.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$2 295 Local Match (10% of Total project cost) \$255 Total Project Cost \$2,550 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 9 Intersection ID: 45.01 Date: 10/23/2013