Pembina County

The total project cost suggested for Pembina County is \$436,562. The project cost breakout for intersection, roadway segment, and curve projects are listed in Table 4-5. High-priority locations that received a project are shown in Figure 4-10. These locations are described in further detail in Appendix 4C along with priority rankings and suggested project sheets.

TABLE 4-5Pembina County Project Costs

Project Type	Cost
Intersections	\$261,800
Roadway Segments	\$83,525
Curves	\$91,237
Total	\$436,562

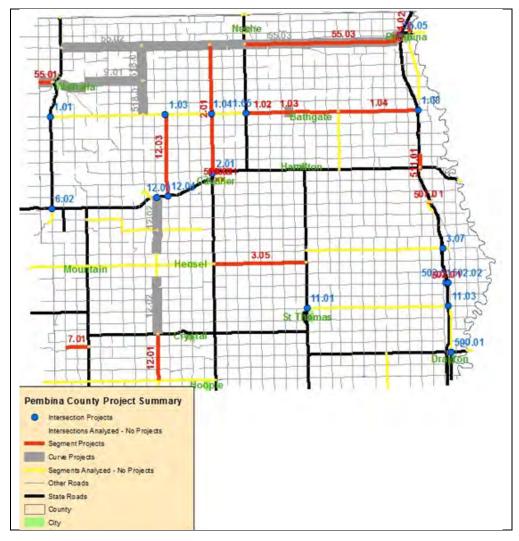


FIGURE 4-10 Pembina County Projects Location Map

23 USC 409 NDDOT Reserves All Objections

APPENDIX 4C Pembina County

Pembina County Rural Segment Projects

Page	Corridor ID	Route #	Start	End	Length	Risk Ranking	4" Edge Line	6" Edge Lines	Edge Rumble Strip	Project Cos
1	55.01	Pembina 55	Pembina/Cavalier County Line	Intersection with Delano Ave (in Walhalla)	1.2	****	1.2	0.0	0.0	\$480.00
2	1.03	Pembina 1	Bathgate west city limit	Bathgate east city limit	0.8	****	0.0	0.8	0.0	\$520.0
3	12.03	Pembina 12	Intersection with ND 5 / 93rd Street	Intersection with 101st Street	7.1	****	0.0	7.1	0.0	\$4,615.0
4	510.01		Intersection with 3rd Avenue	Intersection with 142nd Avenue	0.5	***	1.0	0.0	0.0	\$400.0
5	1.04		Bathgate east city limit (could be intersection with 148th Avenue)	Intersection with SB IH 29 Ramps	10.7	***	0.0	10.7	0.0	\$6,955.
6	12.01	Pembina 12	Pembina / Walsh County Line	Intersection with ND 66	4.0	***	8.0	0.0	0.0	\$3,200.
7	511.01	N/A	1345 feet south of ND 5	Intersection with 97th Street / Main Street	1.5	***	3.0	0.0	0.0	\$1,200.
8	502.01	N/A	Intersection with 160th Avenue	1013 feet east of interchange (east of intersection with Old North Dakota 44)	0.6	***	0.0	0.6	0.0	\$390.0
9	514.02	N/A	Pembina north city limit	4670 feet north of ND 59	0.9	***	0.9	0.0	0.0	\$360.0
10	55.03	Pembina 55	Intersection with ND 18 / 144th Avenue	Interchange with IH 29 SB Ramps	14.1	***	0.0	0.0	14.1	\$49,350
11	507.01	N/A	Intersection with 160th Avenue	Intersection with 160th Avenue	0.5	**	0.0	0.5	0.0	\$325.0
12	2.01	Pembina 2	"Y" Intersection with ND 5	Intersection with 107th Avenue	10.9	**	0.0	10.9	0.0	\$7,085.
13	1.02	Pembina 1	Intersection with ND 18 / 144th Avenue	Bathgate west city limit	3.3	**	0.0	3.3	0.0	\$2,145.
14	3.05	Pembina 3	Intersection with ND 18 / 140th Avenue	Intersection with ND 81 / 148th Avenue	8.0	**	0.0	8.0	0.0	\$5,200
15	7.01	Pembina 7	Intersection with 127th Avenue	Intersection with ND 32&66 / 129th Avenue	2.0	**	0.0	2.0	0.0	\$1,300
			,		•		14.1	43.9	14.1	\$83.52

Pembina County Rural Segment Listing *High Priority Segments Project Sheet Page Numbe

roject Sheet 'age*	Corridor	Route	Start	End	Length (miles)	Lane Departure Crashes	ADT	Lane Departure Density	Access Density	Curves w/ Critical Radius / Mile	Edge Risk Assesment
	1.01	Pembina 1	Intersection with ND 32	Intersection with ND 18 / 144th Avenue	16.9	5	339	0.06	7.8	0.00	1
13	1.02	Pembina 1	Intersection with ND 18 / 144th Avenue	Bathgate west city limit	3.3	0	265	0.00	7.9	0.00	2
2	1.03	Pembina 1	Bathgate west city limit	Bathgate east city limit	0.8	0	240	0.00	28.5	3.88	2
5	1.04	Pembina 1	Bathgate east city limit (could be intersection with 148th Aven	Intersection with SB IH 29 Ramps	10.7	3	200	0.06	7.1	0.00	2
	1.05	Pembina 1	Intersection with SB IH 29 Ramps	Intersection with NB IH 29 Ramps	0.2	0	80	0.00	12.3	0.00	1
	1.06	Pembina 1	Intersection with NB IH 29 Ramps	Intersection with Old Highway 81	0.1	0	40	0.00	71.5	0.00	1
12	2.01	Pembina 2	"Y" Intersection with ND 5	Intersection with 107th Avenue	10.9	0	363	0.00	5.8	0.00	2
	3.01	Pembina 3	Pembina/Cavalier County Line	Intersection with ND 32 / 130th Avenue	3.0	2	109	0.13	6.7	0.00	1
	3.02	Pembina 3	Intersection with ND 32 / 130th Avenue	Hensel west limit	10.7	0	185	0.00	3.9	0.00	1
	3.03	Pembina 3	Hensel west limit	Hensel east limit	0.5	0	410	0.00	26.3	0.00	1
	3.04	Pembina 3	Hensel east limit	Intersection with ND 18 / 140th Avenue	1.7	0	343	0.00	12.2	0.00	1
14	3.05	Pembina 3	Intersection with ND 18 / 140th Avenue	Intersection with ND 81 / 148th Avenue	8.0	1	264	0.02	5.0	0.00	2
	3.06		Intersection with ND 81 / 148th Avenue	Intersection with SB IH 29 Ramps	11.7	0	87	0.00	4.9	0.00	2
	3.07		Intersection with SB IH 29 Ramps	Intersection with NB IH 29 Ramps	0.1	0	65	0.00	22.5	0.00	1
	3.08		Intersection with NB IH 29 Ramps	2624 feet east of interchange	0.5	0	35	0.00	18.1	0.00	1
	4.01	Pembina 4	Pembina / Walsh County Line	Intersection with ND 66	2.0	0	110	0.00	6.0	0.00	2
	4.02		Intersection with ND 5	Intersection with 101st Street	5.0	0	130	0.00	5.6	0.00	1
	6.01	Pembina 6	Intersection with 92nd Street (on east side of 127th Avenue)	Intersection with ND 5 / 93rd Street	1.0	0	80	0.00	7.0	0.00	1
15	7.01		Intersection with 127th Avenue	Intersection with ND 32&66 / 129th Avenue	2.0	0	198	0.00	6.0	0.00	2
	9.01		Walhalla east city limit	Intersection with 135th Avenue	7.6	1	458	0.03	6.5	0.26	1
	11.01		Intersection with ND 81 / 148th Avenue	Interchange with IH 29	12.1	2	90	0.03	6.5	0.00	1
			Intersection with SB IH 29 Ramps	Intersection with NB IH 29 Ramps	0.2	1	100	1.24	12.4	0.00	1
			Intersection with NB IH 29 Ramps	Intersection with 161st Avenue	0.1	0	180	0.00	26.0	0.00	1
6	12.01		Pembina / Walsh County Line	Intersection with ND 66	4.0	2	193	0.10	8.0	0.00	2
0	12.02		2 Intersection with ND 66	Intersection with ND 5 / 93rd Street	9.9	0	130	0.00	5.9	0.20	1
3	12.03		2 Intersection with ND 5 / 93rd Street	Intersection with 101st Street	7.1	2	409	0.06	8.1	0.14	<u> </u>
1	55.01		5 Pembina/Cavalier County Line	Intersection with Delano Ave (in Walhalla)	1.2	0	375	0.00	19.6	0.85	2
	55.02		5 Intersection with ND 32 / 128th Avenue	Intersection with ND 18 / 144th Avenue	16.0	1	315	0.00	6.0	0.19	1
10	55.03		5 Intersection with ND 18 / 144th Avenue	Interchange with IH 29 SB Ramps	14.1	7	366	0.10	5.8	0.19	1
10	500.01	N/A	Intersection with ND 66	Intersection with 84th Street	4.0	1	359	0.05	7.2	0.20	
0	502.01	N/A	Intersection with 160th Avenue	1013 feet east of interchange (east of intersection with Old North Dakota 44)	0.6	2	60	0.03	20.0	0.00	2
0	503.01	N/A	Intersection with 133rd Avenue	Intersection with 139th Avenue	7.0	0	70	0.00	4.9	0.00	2
	504.01	N/A	Intersection with 1331d Avenue	Intersection with 92nd Street	1.0	0	29	0.00	5.9	0.00	2
	505.01	N/A	SW to NE curve in trees	Intersection with 127th Avenue	0.5	0	70	0.00	13.5	0.00	0
	505.01	N/A	Intersection with ND 32 / 130th Avenue	Intersection with 133rd Avenue	3.5	0	15	0.00	4.8	0.00	2
	506.01	N/A	1460 feet south of 93rd Street	Intersection with 93rd Avenue	0.9	0	5	0.00	3.3	0.00	0
11	507.01	N/A N/A	Intersection with 160th Avenue	Intersection with 160th Avenue	0.9	0	20	0.00	22.0	0.00	3
11	507.01	N/A N/A	Intersection with 160th Avenue Intersection with 92nd Street (on west side of 127th Avenue)	Intersection with 160th Avenue Intersection with 92nd Street (on east side of 127th Avenue)	0.5	0	80	0.00	22.0	0.00	3
							29	0.00		5.11	1
4	509.01 510.01	N/A N/A	Intersection with ND 5 / 93rd Street Intersection with 3rd Avenue	End of road Intersection with 142nd Avenue	1.4 0.5	0	280	0.00	8.0 26.0	0.00	0
4		N/A N/A	1345 feet south of ND 5		1.5	0	190	0.00	9.0	0.00	2
1	511.01			Intersection with 97th Street / Main Street							
	514.01	N/A	5280 feet north of 101st Street	Pembina south city limit	4.8	1	75	0.04	5.4	0.62	0
9	514.02	N/A	Pembina north city limit	4670 feet north of ND 59	0.9	0	29	0.00	9.0	2.26	2
	516.01	N/A	Intersection with ND 18 / 144th Avenue	Neche south city limit	0.1	0	500	0.00	19.7	0.00	0
	518.01	N/A	Intersection with 101st Stree	Intersection with 107th Stree	6.0	0 31	275	0.00	7.8	0.66	1

Edge Risk Legend

Risky' - NEITHER shoulder or good clear zone
 Either a shoulder OR good clear zone
 BOTH shoulder and a good clear zone

Critical ADT Range - Lane Departure
150
500

Critical Radius Curves 15 194.7 Total Mileage Years
Average Density (Total/Mile) 0.08

Pembina County Rural Segment Prioritization - Lane Departure Priority

#	Corridor	Route	Start	End	Length	ADT /	ADT Range	Lane Departure Density	Access	Curve Critical Radius Density	Edge Risk	Totals	Tiebrea Edge Risk	akers ADT
1	55.01	Pembina 55	Pembina/Cavalier County Line	Intersection with Delano Ave (in Walhalla)	1.2	375	*	Donoky	*	*	*	****	2	375
2	1.03	Pembina 1	Bathgate west city limit	Bathgate east city limit	0.8	240	*		*	*	*	****	2	240
3	12.03	Pembina 12		Intersection with 101st Street	7.1	409	*	*	*	*		****	1	409
4	510.01	N/A	Intersection with 3rd Avenue	Intersection with 142nd Avenue	0.5	280	*		*		*	***	2	280
5	1.04	Pembina 1	Bathgate east city limit (could be intersection with 148th Avenue)	Intersection with SB IH 29 Ramps	10.7	200	*	*			*	***	2	200
6	12.01	Pembina 12		Intersection with ND 66	4.0	193	*	*			*	***	2	193
7	511.01	N/A	1345 feet south of ND 5	Intersection with 97th Street / Main Street	1.5	190	*		*		*	***	2	190
8	502.01	N/A	Intersection with 160th Avenue	1013 feet east of interchange (east of intersection with Old North Dakota 44)	0.6	60		*	*		*	***	2	60
9	514.02	N/A	Pembina north city limit	4670 feet north of ND 59	0.9	29			*	*	*	***	2	29
10	55.03		Intersection with ND 18 / 144th Avenue	Interchange with IH 29 SB Ramps	14.1	366	*	*		*		***	1	366
11	507.01	N/A	Intersection with 160th Avenue	Intersection with 160th Avenue	0.5	20			*	•	*	**	3	20
12	2.01	Pembina 2	"Y" Intersection with ND 5	Intersection with 107th Avenue	10.9	363	*				*	**	2	363
13	1.02	Pembina 1	Intersection with ND 18 / 144th Avenue	Bathgate west city limit	3.3	265	*				*	**	2	265
14	3.05	Pembina 3	Intersection with ND 18 / 140th Avenue	Intersection with ND 81 / 148th Avenue	8.0	264	*				*	**	2	264
15	7.01	Pembina 7	Intersection with 127th Avenue	Intersection with ND 32&66 / 129th Avenue	2.0	198	*				*	**	2	198
	_	Pembina 9		Intersection with 135th Avenue	7.6	458	*			*	*	**	4	458
16 17	9.01	Pembina 9	Walhalla east city limit Hensel west limit	Hensel east limit	0.5	410	*		*	*		**	1	410
			Intersection with ND 66	Intersection with 84th Street		359		*	*					359
18	500.01	N/A			4.0		*	*				**	1	
19	3.04	Pembina 3	Hensel east limit	Intersection with ND 18 / 140th Avenue	1.7	343	*		*			**	1	343
20	1.01	Pembina 1	Intersection with ND 32	Intersection with ND 18 / 144th Avenue	16.9	339	*	*				**	1	339
21	55.02	Pembina 55		Intersection with ND 18 / 144th Avenue	16.0	315	*			*		**	1	315
22	518.01	N/A	Intersection with 101st Street	Intersection with 107th Street	6.0	275	*			*		**	1	275
23	11.03			Intersection with 161st Avenue	0.1	180	*		*			**	1	180
24	11.02	Pembina 11		Intersection with NB IH 29 Ramps	0.2	100		*	*			**	1	100
25	516.01	N/A	Intersection with ND 18 / 144th Avenue	Neche south city limit	0.1	500	*		*			**	0	500
26	514.01	N/A	5280 feet north of 101st Street	Pembina south city limit	4.8	75		*		*		**	0	75
27	509.01	N/A	Intersection with ND 5 / 93rd Street	End of road	1.4	29			*	*		**	0	29
28	4.01	Pembina 4	Pembina / Walsh County Line	Intersection with ND 66	2.0	110					*	*	2	110
29	3.06	Pembina 3	Intersection with ND 81 / 148th Avenue	Intersection with SB IH 29 Ramps	11.7	87					*	*	2	87
30	503.01	N/A	Intersection with 133rd Avenue	Intersection with 139th Avenue	7.0	70					*	*	2	70
31	504.01	N/A	Intersection with 91st Street	Intersection with 92nd Street	1.0	29					*	*	2	29
32	505.02	N/A	Intersection with ND 32 / 130th Avenue	Intersection with 133rd Avenue	3.5	15					*	*	2	15
33	3.02	Pembina 3	Intersection with ND 32 / 130th Avenue	Hensel west limit	10.7	185	*					*	1	185
34	12.02	Pembina 12	Intersection with ND 66	Intersection with ND 5 / 93rd Street	9.9	130				*		*	1	130
35	3.01	Pembina 3	Pembina/Cavalier County Line	Intersection with ND 32 / 130th Avenue	3.0	109		*				*	1	109
36	11.01	Pembina 11	Intersection with ND 81 / 148th Avenue	Interchange with IH 29	12.1	90		*				*	1	90
37	1.05	Pembina 1	Intersection with SB IH 29 Ramps	Intersection with NB IH 29 Ramps	0.2	80			*			*	1	80
38	508.01	N/A	Intersection with 92nd Street (on west side of 127th Avenue)	Intersection with 92nd Street (on east side of 127th Avenue)	0.1	80			*			*	1	80
39	3.07	Pembina 3	Intersection with SB IH 29 Ramps	Intersection with NB IH 29 Ramps	0.1	65			*			*	1	65
40	1.06	Pembina 1	Intersection with NB IH 29 Ramps	Intersection with Old Highway 81	0.1	40			*			*	1	40
41	3.08	Pembina 3	Intersection with NB IH 29 Ramps	2624 feet east of interchange	0.5	35			*			*	1	35
42	505.01	N/A	SW to NE curve in trees	Intersection with 127th Avenue	0.5	70			*			*	0	70
43	4.02	Pembina 4	Intersection with ND 5	Intersection with 101st Street	5.0	130							1	130
44	6.01	Pembina 6	Intersection with 92nd Street (on east side of 127th Avenue)	Intersection with ND 5 / 93rd Street	1.0	80							1	80
45	506.01	N/A	1460 feet south of 93rd Street	Intersection with 93rd Stree	0.9	5							0	5
	200.01					al Stars	22	11	20	11	18			
					% That Ge		49%	24%	44%	24%	40%			

	#	%	%
****	0	0%	0%
****	3	7%	5%
***	7	16%	17%
**	17	38%	43%
*	15	33%	32%
	3	7%	4%
	45	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 nadway edge and clear zone.

HIGHWAY SAFETY IMPRONOTH Dakota Department of Transport SFN 59959 (06-2011)		(HSIP) PROJ	ECT APP	LICATIO	N			
	hina 55 from Pemi	nina/Cavalie	r Count	v I ine t	o Inte	rsection w	vith Delano Ave (in Walhalla)	
	Pembina County	Jilia/Cavalle		District: (Section w	vitti Delatio Ave (iii Walilalia)	
Contact Name:	· · · · · · · · · · · · · · · · · · ·	т	elephone I			4208		
	pembhwy@nd.gov	•	cicpilolic i	tuilibei.	01-200	4200		
Please attach a location map(s). You n		ther describe your p	roject.					
Location Description	·							
							SHSP Emphasis Area (check all that apply)	
	Pembina/Cavalier County Lin- Intersection with Delano Ave	Lane Width: Speed Limit:				cohol Impaired Di	riving Restraints for all Occupants	
Facility Type:		Shoulder Width:			ounger D	river/Older Driver	r Safetv	
ADT:	375	Shoulder Type:	Paved		Curb Aggre	essive Driving	•	
	Rural Paved	Length (miles):					ane Departure Crashes	
County Road	Pembina 55	Rumble Installed	NO			Emergency Med tersection Safety	lical Capabilities to Increase Survivability	
Describe Current Safety Issue	s & Systemic Ranking R							
North Dakota Crashes, 2008 - 2012		5	years		Pomilina	REMINE	CHEMICAL CHEMICAL	
	Total	Road Dept	K+A	_	1060's Street Total	(north/south ascilo	Mak	
Crashes	0	0	0					
Density (per mile per year) Rate (per MVM)	0.00 0.00	0.00 0.00	0.00 0.00					
Nate (per www.)	0.00	0.00	0.00	-	MAGE.			
						-		
						-		
ADT Range	Value 375	Critical 150≤ADT≤500	Road	-		7.50		
RD Density	0.000	0.032	*			4.10		
Access Density	19.6	8.0	*					
Curve Critical Radius Density	0.853	0.084	*		WGS-84			
Edge Risk	2	2 or 3	****	-	Projection Webselds		SRE	
Describe Proposed Safety Imp	provements							
	Description	Туре	Cost per mi	Mileage	Cost	Notes - Noise s	sensitive. Curve projects suggested on other sheets.	
-	4" Edge Lines	Proactive	\$400	1.2	\$480		scribitive. Ourve projecto suggested on outer streets.	
	6" Edge Lines	Proactive	\$650	0.0	\$0			
Croup	Edge Rumble Strip d In Wet-Reflective Markings	Proactive	\$3,500 \$8,500	0.0 0.0	\$0 \$0			
Groun	Center Line Rumble Strip	Proactive Proactive	\$3,000	0.0	\$0 \$0			
<u>-</u>	6" Center Line	Proactive	\$650	0.0	\$0	_		
Project Cost Estimate (attach	detailed conv)			Pronosa	d Voar o	f Constructio	200	
roject cost zermate (uttaen					u rour o	, constructio		
L and Mark	Federal Funds	\$432						
Local Mate	ch (10% of Total project cost) Total Project Cost	\$48 \$480	-					
	rotari roject oost	Ψ+00						
NDDOT Central Office Only								
Project Accepted?	Yes No F	Reference Number				ID Number		
10100								
							Page: 1	
						Seg	gment ID: 55.01 Date: 10/23/2013	
							Date. 10/20/2013	

HIGHWAY SAFETY IMPROV North Dakota Department of Transport SFN 59959 (06-2011)		(HSIP) PROJ	ECT APP	LICATION	ON			
,	Pembina	1 from Bath	gate we	st citv	limit t	o Bathgat	te east city limit	
Agency Name: Pe			ND DOT					
Contact Name: Tro		T	elephone I			4208		
Email Address: pe	•							
Please attach a location map(s). You may		ther describe your p	roject.					
Location Description								
				_			SHSP Emphasis Area (check all that apply)	
	hgate west city limit	Lane Width:				cohol Impaired D		
Facility Type: 2-Li	hgate east city limit	Speed Limit: Shoulder Width:				ie Use of Safety i river/Older Drivei	Restraints for all Occupants	
ADT: 240		Shoulder Type:				essive Driving	odiety .	
Road Type Rur	al Paved	Length (miles):					Lane Departure Crashes	
County Road Per	mbina 1	Rumble Installed:	No				dical Capabilities to Increase Survivability	
					Improve In	tersection Safety	у	
Describe Current Safety Issues &	R. Systemic Ranking R	eview						
North Dakota Crashes, 2008 - 2012	x Cystellie Raliking R		years					
,		·	,		Pumbhu	MINOR	CHOMO SI	
	Total	Road Dept	K+A	_	101at Street West		•	
Crashes	0	0	0		1-11-1			
Density (per mile per year)	0.00 0.00	0.00 0.00	0.00					
Rate (per MVM)	0.00	0.00	0.00	-				
						+		
						1 >10	May .	
	Value	Critical	Road	_	-		A street state and the	
ADT Range	240	150≤ADT≤500	*					
RD Density Access Density	0.000 28.5	0.032 8.0	+			and the same of	The state of the s	
Curve Critical Radius Density	3.880	0.084	*		and the same			
Edge Risk	2	2 or 3	*		WG5-84 N 48.8773683			
			****	=	W 97 47 1535		SRE	
Describe Brancoed Sefety Impre	vomanta							
Describe Proposed Safety Impro	vements							
	Description	Туре	Cost per mi	Mileage	Cost	Notes - Qualifie	fies for edge line rumble. Consider combining projects with segments 1.02	and
	4" Edge Lines	Proactive	\$400	0.0	\$0		rojects suggested on other sheets.	
	6" Edge Lines	Proactive	\$650	0.0	\$0			
	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0			
Ground Ir	Wet-Reflective Markings Center Line Rumble Strip	Proactive Proactive	\$8,500 \$3,000	0.0	\$0 \$0			
	6" Center Line	Proactive	\$650	0.0	\$0 \$0			
_			7		7.	_		
Project Cost Estimate (attach de	tailed copy)			Propose	ed Year o	f Construction	on	
	Federal Funds	\$0						
Local Match (10% of Total project cost)	\$0 \$0						
Local Matori (Total Project Cost	\$0	•					
		4-						
NDDOT Central Office Only								
Project Accepted?	res □No F	Reference Number				ID Number		
Notes								
							Page: 2	
						Seg	egment ID: 1.03 Date: 10/23/2013	
							10/20/2010	

HIGHWAY SAFETY IMPROVING THE NAME OF T		(HSIP) PROJ	ECT APP	LICATIO	ON			
	mbina 12 from In	tersection v	vith ND	5 / 93rd	Stree	et to Inters	section with 101st Street	_
Agency Name: Per				District:				
Contact Name: Tro		T	elephone I	Number:	- 701-265-	4208		
Email Address: per								
Please attach a location map(s). You may		ther describe your p	roject.					
Location Description								
			4.01]			SHSP Emphasis Area (check all that apply)	
	rsection with ND 5 / 93rd (rsection with 101st Street	Lane Width: Speed Limit:				cohol Impaired Di	Oriving Restraints for all Occupants	
Facility Type: 2-La		Shoulder Width:				river/Older Driver		
ADT: 409		Shoulder Type:	Paved		Curb Aggr	essive Driving		
Road Type Run		Length (miles):					Lane Departure Crashes	
County Road Pen	nbina 12	Rumble Installed:	No			Emergency Med tersection Safety	dical Capabilities to Increase Survivability	
					inprove in	tersection datety	y	
Describe Current Safety Issues &	Systemic Ranking R	eview						
North Dakota Crashes, 2008 - 2012		5	years					
	Total	Bood Dont	V I A		Paminina 12010s. Revenu	MINOS m	CHEANILE CHEANILE	
Crashes	Total 5	Road Dept 2	K+A 0	-	Bruth			
Density (per mile per year)	0.14	0.06	0.00			5		
Rate (per MVM)	0.94	0.38	0.00	_			The second second	
						1		
					3			
	Value	Critical	Road				4.48	
ADT Range	409	150≤ADT≤500	*	-			4.1	
RD Density	0.057	0.032	*			STATE OF THE PARTY OF		
Access Density	8.1	8.0	*					
Curve Critical Radius Density Edge Risk	0.141 1	0.084 2 or 3	*		WGS-84			
Luge Nak		2013	****	-	W 97 709823	1	SRF	
Describe Proposed Safety Impro	vements							
	Description	Туре	Cost per mi	Mileane	Cost	Notes Ouglific	ries for edge line rumble. Intersection projects suggested on other sheets.	
	4" Edge Lines	Proactive	\$400	0.0	\$0	Notes - Qualific	les for eage line rumble. Intersection projects suggested on other sneets.	
	6" Edge Lines	Proactive	\$650	0.0	\$0			
	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0			
	Wet-Reflective Markings Center Line Rumble Strip	Proactive Proactive	\$8,500 \$3,000	0.0 0.0	\$0 \$0			
	6" Center Line	Proactive	\$650	0.0	\$0 \$0			
Project Cost Estimate (attach det	tailed copy)			Propose	d Year c	of Constructio	on	
	Federal Funds	\$0						
Local Match (10% of Total project cost)	\$0						
<u> </u>	Total Project Cost	\$0	-					
NDDOT Central Office Only Project Accepted? □ □ □ □	es No R	eference Number	ı			ID Number		
Project Accepted?	es Lino In	elerence Number	l			ID Nullibel		
							Page: 3	
						Seg	egment ID: 12.03	
							Date: 10/23/2013	

HIGHWAY SAFETY IMPROVE North Dakota Department of Transportal SFN 59959 (06-2011)		(HSIP) PROJ	ECT APP	LICATIO	ON		
, , , , , , , , , , , , , , , , , , , ,	N/A from Inte	ersection wi	th 3rd A	venue	to Inte	rsection v	with 142nd Avenue
Agency Name: Pem			ND DOT				
Contact Name: Troy		T	elephone N			4208	
Email Address: pem		-					
Please attach a location map(s). You may u		ther describe your p	roject.				
Location Description							
				_			SHSP Emphasis Area (check all that apply)
	section with 3rd Avenue	Lane Width:				cohol Impaired Di	
End: Inters Facility Type: 2-Lar	section with 142nd Avenu	Speed Limit: Shoulder Width:				e Use of Safety F river/Older Driver	Restraints for all Occupants
ADT: 280	ic	Shoulder Type:				essive Driving	a Salety
Road Type Rural	Paved	Length (miles):					ane Departure Crashes
County Road N/A		Rumble Installed:	No		Enhancing	Emergency Med	dical Capabilities to Increase Survivability
					mprove In	tersection Safety	1
Describe Current Safety Issues &	Systemia Pankina P	oviou					
North Dakota Crashes, 2008 - 2012	Systemic Ranking R		years				
North Dakota Grasiles, 2000 - 2012		3	years		Pombles	20021	SM.PQ CHIMNIU
	Total	Road Dept	K+A		C Dead		
Crashes	0	0	0	='			
Density (per mile per year)	0.00	0.00	0.00				
Rate (per MVM)	0.00	0.00	0.00	•			
					Mr. Attack	-William	1
						THE PERSON	and the literature of the second seco
	Value	Critical	Road	_			
ADT Range	280	150≤ADT≤500	*		11		
RD Density	0.000	0.032	_				
Access Density Curve Critical Radius Density	26.0 0.000	8.0 0.084	*				
Edge Risk	2	2 or 3	*		WGS-04 N 48.7940483		200
			***	•	W 97.611786		SRF
Describe Proposed Safety Improven	ements						
	Description	Туре	Cost per mi	Mileage	Cost	Notes - Edge li	line cost includes 4" centerline marking. Qualifies for edge line rumble.
	4" Edge Lines	Proactive	\$400	1.0	\$400	_ Notes - Lage II	inte cost includes 4 centerinie marking. Qualines for edge line rumble.
	6" Edge Lines	Proactive	\$650	0.0	\$0		
	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0		
	Wet-Reflective Markings	Proactive	\$8,500	0.0	\$0		
C	enter Line Rumble Strip 6" Center Line	Proactive Proactive	\$3,000 \$650	0.0 0.0	\$0 \$0		
	o center Line	Troactive	ψυσυ	0.0	ΨΟ	_	
Project Cost Estimate (attach deta	iled copy)			Propose	d Year o	f Constructio	on
Local Motob (1)	Federal Funds 0% of Total project cost)	\$360 \$40					
Local Match (1)	Total Project Cost	\$400	•				
	rotair roject cost	Q -100					
NDDOT Central Office Only							
Project Accepted?	s □No R	eference Number				ID Number	
Notes							
							Page: 4
						Seg	gment ID: 510.01 Date: 10/23/2013
							54.0.

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Pembina 1 from Bathqate east city limit (could be intersection with 148th Avenue) to Intersection with SB IH 29 Ramps **Agency Name: Pembina County** ND DOT District: 6 **Contact Name: Troy Kittelson** Telephone Number: 701-265-4208 Email Address: pembhwy@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) Start: Bathgate east city limit (could Lane Width: 12' Reduce Alcohol Impaired Driving End: Intersection with SB IH 29 Ra Speed Limit: High Increase the Use of Safety Restraints for all Occupants Facility Type: 2-Lane Shoulder Width: 0' Younger Driver/Older Driver Safety ADT: 200 Shoulder Type: None Curb Aggressive Driving Road Type Rural Paved Length (miles): 10.7 7 Improvements to Address Lane Departure Crashes County Road Pembina 1 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 Total Road Dept K+A Crashes 3 0 0.09 0.06 0.00 Density (per mile per year) Rate (per MVM) 0.00 Critical Road Value ADT Range 150≤ADT≤500 RD Density 0.056 0.032 Access Density 8.0 Curve Critical Radius Density 0.000 0.084 Edge Risk 2 or 3 Describe Proposed Safety Improvements Туре Cost per mi Cost Notes - Qualifies for edge line rumble. Intersection projects suggested on other sheets. 4" Edge Lines Proactive \$400 0.0 \$0 6" Edge Lines \$650 0.0 \$0 Proactive 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 0.0 \$0 Proactive 6" Center Line Proactive \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction \$0 Local Match (10% of Total project cost) Total Project Cost \$0 NDDOT Central Office Only ☐ No Reference Number ID Number Project Accepted? Page Segment ID: 1.04 Date 10/23/2013

HIGHWAY SAFETY IMPROVE North Dakota Department of Transportal SFN 59959 (06-2011)		(HSIP) PROJ	ECT APP	LICATIO	ON				
	Pembina 12 f	rom Pembi	na / Wal	sh Cou	ınty Liı	ne to Intersect	ion with ND 6	66	
Agency Name: Pem			ND DOT						
Contact Name: Troy	/ Kittelson	Т	elephone I	Number:	701-265-	4208			
Email Address: pem	bhwy@nd.gov								
Please attach a location map(s). You may u	se additional sheets to fur	ther describe your p	roject.						
Location Description						CLICD		all that and o	
Start: Pemb	oina / Walsh County Line	Lane Width	: 12'		Reduce Ald	shor E cohol Impaired Driving	Emphasis Area (check a	ан тпат арріу)	
	section with ND 66	Speed Limit			Increase th	e Use of Safety Restrair	nts for all Occupants		
Facility Type: 2-Lar	ne	Shoulder Width				river/Older Driver Safety essive Driving	!		
ADT: 193 Road Type Rural	Paved	Shoulder Type Length (miles)				ents to Address Lane De	eparture Crashes		
County Road Pemb		Rumble Installed			Enhancing	Emergency Medical Cap		Survivability	
					Improve Int	ersection Safety			
Describe Current Safety Issues &	Systemic Ranking Ro	eview							
North Dakota Crashes, 2008 - 2012	Cyclonia Ramang Re		years						
					Piciphus	PMS5568754	CHESTONICAL		
Crashes	Total 2	Road Dept 2	K+A	-	Marth				
Density (per mile per year)	0.10	0.10	0.05						
Rate (per MVM)	1.42	1.42	0.71	_					
	Value	Critical	Road						
ADT Range	193	150≤ADT≤500	*	-	OF LAND	at well-	1		
RD Density	0.100	0.032	*		1				
Access Density Curve Critical Radius Density	8.0 0.000	8.0 0.084							
Edge Risk	2	2 or 3	*		WGS 44 N 4h 55gen B		The second		
			***	=	A SOLD A PARTY OF		SR		
Describe Proposed Safety Improve	ements								
	Description	Туре	Cost per mi		Cost	Notes - Edge line cost	t includes 4" centerline	marking. Qualifies for ed	lge line rumble.
	4" Edge Lines 6" Edge Lines	Proactive Proactive	\$400 \$650	8.0 0.0	\$3,200 \$0				
	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0				
	Wet-Reflective Markings	Proactive	\$8,500	0.0	\$0				
C	Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0 \$0				
	6" Center Line	Proactive	\$650	0.0	\$0	_			
Project Cost Estimate (attach deta	iled copy)			Propose	ed Year o	f Construction			
	Federal Funds	00.000							
Local Match (10	0% of Total project cost)	\$2,880 \$320							
200ai materi (11	Total Project Cost	\$3,200	-						
NDDOT Central Office Only		of the second	1			IID NIl			
Project Accepted?	s □No R	eference Number				ID Number			
						Pag	je:	6	
						Segment II		12.01 10/23/2013	

IIGHWAY SAFETY IMPROVEMENT PROGRA orth Dakota Department of Transportation Programming FN 59959 (06-2011)	M (HSIP) PROJE	CT APP	LICATION			
N/A from 134	5 feet south of	ND 5 1	o Interse	ction with 97t	th Street / Main Stree	et
Agency Name: Pembina County	İ	ND DOT	District: 6			
Contact Name: Troy Kittelson	Tele	phone	Number: 701	-265-4208		
Email Address: pembhwy@nd.gov						
ease attach a location map(s). You may use additional sheets to	further describe your proj	ect.				
ocation Description					OLIOD E walk at a fall of the state of the s	that and h
Start: 1345 feet south of ND 5	Lane Width: '		□ Redu	uce Alcohol Impaired [SHSP Emphasis Area (check all t	тпат арріу)
End: Intersection with 97th Street		w			Restraints for all Occupants	
Facility Type: 2-Lane	Shoulder Width: 0'			nger Driver/Older Drive	er Safety	
ADT: 190	Shoulder Type: N			Aggressive Driving	Last Bread or Control	
Road Type Rural Paved County Road N/A	Length (miles): 1. Rumble Installed: N				Lane Departure Crashes dical Capabilities to Increase Surv	vivahility
County Road 14/7	ramble metalica. 14	3		rove Intersection Safet		rvability
escribe Current Safety Issues & Systemic Ranking						
orth Dakota Crashes, 2008 - 2012	5 ye	ears		Adam .	ACTION TOTAL	
Total	Road Dept	K+A	100	1/2 Avenue & 100th Avenue	CHEMICE	
Crashes 0	0	0	Hors		ALASTO STATE	
Density (per mile per year) 0.00	0.00	0.00				
Rate (per MVM) 0.00	0.00	0.00	-			
			-			
Value	Critical	Road				
ADT Range 190	150≤ADT≤500	*				
RD Density 0.000	0.032		-	- 4	•	
Access Density 9.0 Curve Critical Radius Density 0.000	8.0 0.084	*			0.01	
Edge Risk 2	2 or 3	*	WGS N 48	S-84 K8030833*		
<u> </u>		***	W 97	7.2279883	ISRF	
annuita Dyananad Cafaty, Improvementa						
escribe Proposed Safety Improvements						
Description	n Type C	ost per mi	Mileage (Cost Notes - Edge	line cost includes 4" centerline ma	arking. Qualifies for edge line rumble.
4" Edge Lines	Proactive	\$400	3.0 \$1	1,200		33
6" Edge Line		\$650		\$0		
Edge Rumble Strij Ground In Wet-Reflective Markings		\$3,500 \$8,500		\$0 \$0		
Center Line Rumble Stri		\$3,000		\$0		
6" Center Line		\$650		\$0		
roject Cost Estimate (attach detailed copy)			Proposea Y	ear of Construction	on	
Federal Funds	\$1,080					
Local Match (10% of Total project cost						
Total Project Cos	\$1,200					
IDDOT O						
Poject Accepted?	Reference Number			ID Number	T	
oject Accepted? Lifes Life	Reference Number			ID Number	<u> </u>	
					Page:	7
				Se	egment ID:	, 511.01
					Date:	10/23/2013

HIGHWAY SAFETY IMPROVE North Dakota Department of Transporta SFN 59959 (06-2011)		(HSIP) PROJ	IECT APP	PLICATIO	N					
N/A from Intersection	n with 160th Ave	enue to 101	3 feet ea	ast of in	tercha	nge (east of i	ntersection v	with Old No	orth Dakota 44)	
Agency Name: Pen				District: 6		90 (00.01 0			Zanou,	
Contact Name: Tro	•	Ţ	Telephone I			208				
Email Address: pen	nbhwy@nd.gov		•							
Please attach a location map(s). You may u	use additional sheets to furt	her describe your r	project.							
Location Description				1		OLIOD E		all that are all X		
Start: Inter-	section with 160th Avenu	Lane Width	ı. '		educe Alcc	SHSP E shol Impaired Driving	mphasis Area (check	all that apply)		
	3 feet east of interchange	Speed Limit				Use of Safety Restrain	ts for all Occupants			
Facility Type: 2-La	ne	Shoulder Width				ver/Older Driver Safety				
ADT: 60 Road Type Rura	al Payod	Shoulder Type Length (miles)				sive Driving ts to Address Lane Dep	antura Craabaa			
County Road N/A	.i Paveu	Rumble Installed		□ E	iprovemen nhancina E	mergency Medical Cap	parture Crasnes pabilities to Increase (Survivability		
, · · · · · · ·						rsection Safety				
Describe Comment Cafato Issues 8	Customia Dankina D									
Describe Current Safety Issues & North Dakota Crashes, 2008 - 2012	Systemic Ranking Re		5 years							
Votti Dakota Grasiles, 2000 - 2012		`) years		Paraditive .	RM21112.PG	CHIZABILL			
	Total	Road Dept	K+A	_	and .					
Crashes	2	2	0							
Density (per mile per year) Rate (per MVM)	0.67 30.44	0.67 30.44	0.00 0.00				_			
Nate (per wivivi)	30.44	30.44	0.00	- 1						
							_			
					1					
ADT Range	Value 60	Critical 150≤ADT≤500	Road	- 1						
RD Density	0.727	0.032	*							
Access Density	20.0	8.0	*				5			
Curve Critical Radius Density	0.000	0.084			VGS-84		No.			
Edge Risk	2	2 or 3	***	- 1	V 97.1852183	(1)	SRF			
Describe Proposed Safety Improv	ements									
	Description	Type	Cost per mi	Mileage	Cost	Notes - Intersection pro	nierts suggested on a	other sheets		
	4" Edge Lines	Proactive	\$400	0.0	\$0	rtotes intersection pro	ojecio suggesteu on i	Aller Silecto.		
	6" Edge Lines	Proactive	\$650	0.0	\$0					
On adda	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0					
	Wet-Reflective Markings Center Line Rumble Strip	Proactive Proactive	\$8,500 \$3,000	0.0 0.0	\$0 \$0					
	6" Center Line	Proactive	\$650	0.0	\$0					
Project Cost Estimate (attach deta	ailed copy)			Proposed	Year of	Construction				
	Federal Funds	\$0								
Local Match (1	0% of Total project cost)	\$0								
	Total Project Cost	\$0	_							
NDDOT 0 1 1000 0 1										
NDDOT Central Office Only Project Accepted? □ Ye	es 🗆 No R	eference Number				ID Number				
Notes	2 PM0 K	elerence Number				ID Nullibel				
						Page	a·	8		
						Segment II		502.	.01	
						Data	3.	10/22/	2012	,

HOLIMAY CAFETY IMPDO	VEMENT DDOOD AN	A (LICID) DDO I	ECT ADD	LICATI	ON					
HIGHWAY SAFETY IMPRO North Dakota Department of Transpo SFN 59959 (06-2011)		i (HSIP) PROJ	ECT APP	LICATIO	ON					
, , , , , , , , , , , , , , , , , , , ,	N/A fr	om Pembina	north c	itv lim	it to 40	670 feet n	orth of ND 59	9		
Agency Name: F			ND DOT							
Contact Name: 1	•	Т	elephone M			4208				
	embhwy@nd.gov		•							
Please attach a location map(s). You m	ay use additional sheets to fu	rther describe your p	roject.							
Location Description				1			01100			
Start: F	Pembina north city limit	Lane Width:			Reduce Al	cohol Impaired D	SHSP Emphasis Area	a (check all that a	apply)	
	670 feet north of ND 59	Speed Limit:	Low				Restraints for all Occ	upants		
Facility Type: 2		Shoulder Width:				river/Older Drive	er Safety			
ADT: 2 Road Type F		Shoulder Type: Length (miles):				essive Driving	Lane Departure Crash	100		
County Road N		Rumble Installed:					dical Capabilities to In		lity	
,						tersection Safety				
Describe Current Safety Issues	s & Systemic Ranking F	Poviow								
North Dakota Crashes, 2008 - 2012	G G Gystellile Railking I		years							
					Pomblus CANA Branch	PUNC	1500L4P0	CHESTAN ILL.		
Crashes	Total 0	Road Dept 0	K+A 0	-	Horth					
Density (per mile per year)	0.00	0.00	0.00				The San State	ALC:		
Rate (per MVM)	0.00	0.00	0.00	_				-		
							-	Acres de		
	Value	Critical	Road			T	4000	15.00		
ADT Range	29	150≤ADT≤500		-	-	-	4 10 10			
RD Density	0.000	0.032						-		
Access Density Curve Critical Radius Density	9.0 2.259	8.0 0.084	*		-		A CONTRACTOR OF THE PARTY OF TH	100		
Edge Risk	2	2 or 3	*		WGS-84 N 48,9782583		110	and the same		
			***		W 97.242995	0"		SKF		
Describe Proposed Safety Imp	rovements									
_	Description	Type	Cost per mi	Mileage	Cost	Notes -				
	4" Edge Lines 6" Edge Lines	Proactive Proactive	\$400 \$650	0.9 0.0	\$360 \$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 6" Center Line	Proactive Proactive	\$3,000 \$650	0.0	\$0 \$0					
_	0 Center Line	1 TOACTIVE	ψυσυ	0.0	ΨΟ	_				
Project Cost Estimate (attach o	detailed copy)			Propose	ed Year c	of Construction	on			
	Federal Funds	\$324								
Local Matc	h (10% of Total project cost)	\$36								
	Total Project Cost	\$360	-							
AIRROT Comment Office Only										
NDDOT Central Office Only Project Accepted?	☐Yes ☐No	Reference Number	l			ID Number	1			
Notes		telerence Humber	l			ID Humber				
						_	Page:		9	
						Se	egment ID: Date:		514.02 10/23/2013	

HIGHWAY SAFETY IMPROVE North Dakota Department of Transporta SFN 59959 (06-2011)		(HSIP) PROJ	ECT APP	LICATIO	ON			
	na 55 from Inters	section with	ND 18 /	144th	Δvenu	e to Interch	hange with IH 29 SB Ramps	
Agency Name: Pen		COLIOII WILL	ND DOT				nange with in 25 ob Ramps	
Contact Name: Troy	•	т	elephone N			4208		
Email Address: per	•							
Please attach a location map(s). You may u	use additional sheets to furt	her describe your p	roject.					
Location Description								
Start: Inters	section with ND 18 / 144t	Lane Width:	12'	I п	Paduca Alc	SF ohol Impaired Driv	HSP Emphasis Area (check all that apply)	
	change with IH 29 SB Ra	Speed Limit:					estraints for all Occupants	
Facility Type: 2-Lar	ne	Shoulder Width:			Younger Dr	river/Older Driver S		
ADT: 366 Road Type Rura	al Davad	Shoulder Type: Length (miles):				ssive Driving	ne Departure Crashes	
County Road Pemi		Rumble Installed:					ne Departure Crasnes cal Capabilities to Increase Survivability	
						ersection Safety	,	
Describe Current Safety Issues &	Systemia Banking B	aviou.						
North Dakota Crashes, 2008 - 2012	Systemic Ranking Re		years					
			,		Partition	Male in the	St St. CHOMMAN	
	Total	Road Dept	K+A	_	SEAR STOWN			
Crashes Density (per mile per year)	16 0.23	7 0.10	0 0.00					
Rate (per MVM)	1.70	0.74	0.00					
A ,				-				
	Value	Critical	Road					
ADT Range	366	150≤ADT≤500	± Nuau	-			of Commission	
RD Density	0.099	0.032	*			AN'		
Access Density	5.8	8.0						
Curve Critical Radius Density Edge Risk	0.283 1	0.084 2 or 3	*		WGS-84 NAMES (\$400)			
Edgo Tilon	·		***	•	WEFADISTSO		SRI	
Describe Draws and Cafety Inches								
Describe Proposed Safety Improv	ements							
	Description	Type	Cost per mi	Mileage	Cost	Notes - Qualifies	s for edge line rumble. Curve and intersection projects suggested on oth	er
	4" Edge Lines	Proactive	\$400	0.0	\$0	sheets.		
	6" Edge Lines Edge Rumble Strip	Proactive Proactive	\$650 \$3,500	0.0 14.1	\$0 \$49,350			
Ground In 1	Wet-Reflective Markings	Proactive	\$8,500	0.0	\$49,350 \$0			
	Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0			
	6" Center Line	Proactive	\$650	0.0	\$0	_		
Project Cost Estimate (attach deta	ailed copy)			Propose	ed Year o	f Construction	1	
`								
Local Motob (4	Federal Funds 0% of Total project cost)	\$44,415 \$4,935						
Local Match (1	Total Project Cost	\$49,350	=					
	10141110,000	V 10,000						
NDDOT Central Office Only			,					
Project Accepted?	s No R	eference Number				ID Number		
							Page: 10	
						Segm	ment ID: 55.03	
							Date: 10/23/2013	

orth Dakota Department of Transport FN 59959 (06-2011)	ation Programming								
	N/A from Inter	section wit	h 160th <i>A</i>	Avenue	to In	tersection wi	ith 160th Avenu	ie	
Agency Name: Pe	•		ND DOT I						
Contact Name: Tre	•	٦	Telephone N	lumber:	701-265	4208			
Email Address: pe		har dagariha yayır	rojost						
lease attach a location map(s). You may ocation Description	use additional sneets to fur	ner describe your	oroject.						
estation Description						SHSF	Emphasis Area (check	all that apply)	
	ersection with 160th Avenu	Lane Width				cohol Impaired Driving	1		
End: Inte Facility Type: 2-L	ersection with 160th Avenu	Speed Limi Shoulder Width			Increase ti	ne Use of Safety Restr Priver/Older Driver Safe	raints for all Occupants		
ADT: 20	ane	Shoulder Type				essive Driving	sty		
Road Type Rui		Length (miles	: 0.5	7	Improvem	ents to Address Lane I			
County Road N/A	\	Rumble Installed	I: No			Emergency Medical (tersection Safety	Capabilities to Increase S	urvivability	
					iiipiove ii	itersection Salety			
Describe Current Safety Issues &	& Systemic Ranking Re								
orth Dakota Crashes, 2008 - 2012			5 years				Cheminal		
	Total	Road Dept	K+A		C.	Paint 1100.0	CHEMILE		
Crashes	1	0	0		-				
Density (per mile per year)	0.40	0.00	0.00		4		_		
Rate (per MVM)	54.79	0.00	0.00		2		0 00		
					Total .				
					-		1		
ADT Dangs	Value	Critical 150≤ADT≤500	Road						
ADT Range RD Density	20 0.000	0.032			100				
Access Density	22.0	8.0	*						
Curve Critical Radius Density	0.000	0.084			WGS-84				
Edge Risk	3	2 or 3	**		W 97 214416	7	SRF		
Describe Proposed Safety Impro	vements								
	Description	Туре	Cost per mi	Mileage	Cost	Notes -			
	4" Edge Lines	Proactive	\$400	0.0	\$0	_			
	6" Edge Lines	Proactive	\$650	0.0	\$0 \$0				
Ground Ir	Edge Rumble Strip Wet-Reflective Markings	Proactive Proactive	\$3,500 \$8,500	0.0	\$0 \$0				
Gradia ii	Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0				
	6" Center Line	Proactive	\$650	0.0	\$0	_			
Project Cost Estimate (attach de	tailed copy)			Propose	d Year o	of Construction			
Local Match	Federal Funds 10% of Total project cost)	\$0 \$0							
Eodai Wateri	Total Project Cost	\$0	_						
IDDOT Central Office Only	/ Du. In	eference Niverban				IID Niverban			
roject Accepted?	/es □No R	eference Number	1			ID Number			
						P	age:	11	
						Segmen	it ID:	507.01	2
)ate:	10/23/201	a .

IIGHWAY SAFETY IMPROV		(HSIP) PRO	IECT APP	LICATIO	ON			
FN 59959 (06-2011)								
		n "Y" Inters				tersection with 1	07th Avenue	
Agency Name: Pe	•	_		District:				
Contact Name: Tr	•	7	Telephone	Number:	701-265-4	1208		
Email Address: pe			!					
ease attach a location map(s). You may ocation Description	y use additional sheets to furt	ner describe your p	oroject.					
ocation Description				T		SHSP Empha	asis Area (check all tha	t apply)
	Intersection with ND 5	Lane Width				ohol Impaired Driving	•	
	ersection with 107th Avenu	Speed Limi				Use of Safety Restraints for	all Occupants	
Facility Type: 2-L ADT: 36:		Shoulder Width Shoulder Type				iver/Older Driver Safety ssive Driving		
Road Type Ru		Length (miles)				nts to Address Lane Departur	re Crashes	
County Road Pe		Rumble Installed				Emergency Medical Capabilit		bility
•					Improve Inte	ersection Safety		·
Accepted Coursest Safaty Icanac	9 Systemia Banking Be	wiew						
Describe Current Safety Issues of orth Dakota Crashes, 2008 - 2012	a Systemic Kanking Re		5 years					
			- ,		Pambles	Marinage	CHOMHILL	
	Total	Road Dept	K+A	_	SHOUTH THE PARTY OF THE PARTY O			
Crashes	2	0	1				Street, Street,	
Density (per mile per year) Rate (per MVM)	0.04 0.28	0.00 0.00	0.02 0.14					
reate (per iniviti)	0.20	0.00	0.14	-				
							No. of Contract of	
	Value	Critical	Road	_				
ADT Range RD Density	363 0.000	150≤ADT≤500 0.032	*		-	ASSESSMENT ASSESSMENT		
Access Density	5.8	8.0						
Curve Critical Radius Density	0.000	0.084			wissa			
Edge Risk	2	2 or 3	*	_	N 48.8586667		SDE	
			**		11.21.0212.21		N.	
escribe Proposed Safety Impro	ovements							
, ,								
<u>-</u>	Description	Туре	Cost per mi		Cost	Notes - Qualifies for edge li	ne rumble. Intersection	projects suggested on other sheets.
	4" Edge Lines 6" Edge Lines	Proactive Proactive	\$400 \$650	0.0 0.0	\$0 \$0			
	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0			
Ground I	n 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 (attach de	etailed copy)			Propose	d Year of	Construction		
	• • • • • • • • • • • • • • • • • • • •							
	Federal Funds	\$0						
Local Match	(10% of Total project cost)	\$0 \$0	_					
	Total Project Cost	φU						
IDDOT Central Office Only								
	Yes □ No R	eference Number				ID Number		
otes								
						Page:		12
						Segment ID:		2.01

HIGHWAY SAFETY IMPROVE North Dakota Department of Transporta SFN 59959 (06-2011)		(HSIP) PROJ	ECT APP	LICATIO	ON			
	embina 1 from I	ntersection	with ND	18 / 14	l4th A	venue to E	Bathgate west city limit	
Agency Name: Pen			ND DOT				zamgato neet on, mm	
Contact Name: Tro		T	elephone N			4208		
Email Address: pen		_						
Please attach a location map(s). You may		ther describe your p	roject.					
Location Description								
							SHSP Emphasis Area (check all that apply)	
	section with ND 18 / 144t	Lane Width:				cohol Impaired Di		
End: Bath Facility Type: 2-La	igate west city limit	Speed Limit: Shoulder Width:				ie Use of Safety F river/Older Driver	Restraints for all Occupants	
ADT: 265	IIIC	Shoulder Type:				essive Driving	ci Galety	
Road Type Rura	al Paved	Length (miles):					Lane Departure Crashes	
County Road Pem	bina 1	Rumble Installed:	No		Enhancing	Emergency Med	dical Capabilities to Increase Survivability	
					mprove In	tersection Safety	у	
Describe Current Safety Issues &	Systemic Panking D	oviow						
North Dakota Crashes, 2008 - 2012	Systemic Nanking N		years					
10.0. 50.00 5.00.00, 2000 20.2		· ·	youro		Familia	ADMIN	NST PE	
	Total	Road Dept	K+A	_,	101 of Street		1551-55	
Crashes	0	0	0					
Density (per mile per year) Rate (per MVM)	0.00 0.00	0.00 0.00	0.00 0.00					
Rate (per MVM)	0.00	0.00	0.00	-			AT COMMENT	
						-		
	Value	Critical	Road	-				
ADT Range	265	150≤ADT≤500	*			AND AND A		
RD Density Access Density	0.000 7.9	0.032 8.0				-		
Curve Critical Radius Density	0.000	0.084						
Edge Risk	2	2 or 3	*	_	N 48.877038		roe.	
			**	Į.	Wall Parison		SKI	
Describe Proposed Safety Improv	/ements							
sesembe i roposea dalety improv	Cincins							_
	Description	Туре	Cost per mi	Mileage	Cost	Notes - Qualifie	ies for edge line rumble. Intersection projects suggested on other sheets.	
	4" Edge Lines	Proactive	\$400	0.0	\$0			
	6" Edge Lines	Proactive	\$650	0.0	\$0			
Ground In	Edge Rumble Strip Wet-Reflective Markings	Proactive Proactive	\$3,500 \$8,500	0.0 0.0	\$0 \$0			
	Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0			
	6" Center Line	Proactive	\$650	0.0	\$0	_		
				_				
Project Cost Estimate (attach det	анед сору)			Propose	d Year o	f Constructio	on	
	Federal Funds	\$0						
Local Match (1	0% of Total project cost)	\$0						
	Total Project Cost	\$0						
NDDOT Central Office Only	. 🗖	oforona Niverban				IID Niverban		
Project Accepted?	es No R	eference Number				ID Number		
							Page 40	
						Sec	Page: 13 egment ID: 1.02	
							Date: 10/23/2013	

HIGHWAY SAFETY IMPROVE North Dakota Department of Transportal SFN 59959 (06-2011)		(HSIP) PROJ	ECT APP	LICATIO	ON				
	3 from Intersect	tion with NF	18 / 14	Oth Av	anua t	o Intersection	with ND 81 /	148th Aven	
Agency Name: Pem		HOII WILII IND	ND DOT			J IIILEI SECTION	WILLIAD 017	140tii Aveii	ue
Contact Name: Troy	•	т	elephone N			4208			
Email Address: pem		-							
Please attach a location map(s). You may u	ise additional sheets to furt	her describe your p	roject.						
Location Description				1		01100			
Start: Inters	section with ND 18 / 140t	Lane Width:	12'		Reduce Ale	SHSP I cohol Impaired Driving	Emphasis Area (check	all that apply)	
End: Inters	section with ND 81 / 148t	Speed Limit:	: High		Increase th	ne Use of Safety Restrai			
Facility Type: 2-Lar	ne	Shoulder Width:				river/Older Driver Safet	ty		
ADT: 264 Road Type Rural	l Paved	Shoulder Type: Length (miles):				essive Driving ents to Address Lane De	eparture Crashes		
County Road Pemb		Rumble Installed:			Enhancing	Emergency Medical Ca		Survivability	
					Improve In	tersection Safety			
Describe Current Safety Issues &	Systemic Ranking Re	eview		<u>I</u>					
North Dakota Crashes, 2008 - 2012		5	years						
	Total	Road Dept	K+A		Pombles	PUNOTEEL PO	CH2Mb-6LI		
Crashes	2	1	0	-	Biot				
Density (per mile per year)	0.05	0.03	0.00						
Rate (per MVM)	0.52	0.26	0.00						
							4.000		
ADT Dance	Value	Critical	Road	_	-	LAU III III	1. 数据图图		
ADT Range RD Density	264 0.025	150≤ADT≤500 0.032	*						
Access Density	5.0	8.0							
Curve Critical Radius Density Edge Risk	0.000 2	0.084 2 or 3			Wessel				
Edge Hok		2010	**	•	W 97 509558		SRF		
Describe Proposed Safety Improve									
Describe Froposed Salety Improve	ements								
	Description	Туре	Cost per mi	Mileage	Cost	_Notes - Qualifies for e	edge line rumble.		
	4" Edge Lines	Proactive Proactive	\$400	0.0	\$0 \$0				
	6" Edge Lines Edge Rumble Strip	Proactive	\$650 \$3,500	0.0	\$0 \$0				
	Wet-Reflective Markings	Proactive	\$8,500	0.0	\$0				
C	Center Line Rumble Strip 6" Center Line	Proactive Proactive	\$3,000 \$650	0.0 0.0	\$0 \$0				
	0 Center Line	Fidactive	\$000	0.0	Ψ0	_			
Project Cost Estimate (attach deta	iled copy)			Propose	ed Year o	of Construction			
	Federal Funds	\$0							
Local Match (10	0% of Total project cost)	\$0	_						
	Total Project Cost	\$0	•						
NDDOT Central Office Only									
Project Accepted?	s □No R	eference Number				ID Number			
lotes			•						
						Pag	ue.	14	
						Segment	ID:	3.05	
						Da	ate:	10/23/20	113

HIGHWAY SAFETY IMPROVE North Dakota Department of Transportati SFN 59959 (06-2011)		(HSIP) PROJ	ECT APP	LICATIO	ON			
	7 from Interse	ction with 1	27th Av	enue t	o Inter	section w	ith ND 32&66 / 129th	Avenue
Agency Name: Pem				District: (
Contact Name: Troy	•	Т	elephone N			4208		
Email Address: pem	bhwy@nd.gov		•					
Please attach a location map(s). You may us	se additional sheets to fur	ther describe your p	roject.					
Location Description				1				
Chart, laters	ection with 127th Avenu	Lane Width:	401		7 - d Al		SHSP Emphasis Area (check all tha	it apply)
	ection with ND 32&66 /	Speed Limit				cohol Impaired Dr ne Use of Safety F	Restraints for all Occupants	
Facility Type: 2-Lan		Shoulder Width:				river/Older Driver		
ADT: 198		Shoulder Type:				essive Driving		
Road Type Rural		Length (miles): Rumble Installed:					ane Departure Crashes	- In 1114 .
County Road Pemb	ma /	Rumble installed	NO			tersection Safety	lical Capabilities to Increase Surviva	ability
						,		
Describe Current Safety Issues & S	Systemic Ranking R							
North Dakota Crashes, 2008 - 2012		5	years					
	Total	Road Dept	K+A		PORTHERN		(Wedne commu	
Crashes	1	0	0	-	Yeard		4	
Density (per mile per year)	0.10	0.00	0.00				No. No.	
Rate (per MVM)	1.38	0.00	0.00				-	
							*2	
						and the last	30	
	Value	Critical	Road				37	
ADT Range	198	150≤ADT≤500	*	-				
RD Density	0.000	0.032			-	-		
Access Density Curve Critical Radius Density	6.0 0.000	8.0 0.084			Supplied to	11		
Edge Risk	2	2 or 3	*		WG5-84 N 48 584566			
			**	•	3/3/2061/0		SR	
Describe Drawered Cofety Improve								
Describe Proposed Safety Improve	anienis							
	Description	Туре	Cost per mi	Mileage	Cost	Notes - Qualifie	es for edge line rumble.	
	4" Edge Lines	Proactive	\$400	0.0	\$0			
	6" Edge Lines	Proactive	\$650	0.0	\$0			
Cround In M	Edge Rumble Strip Vet-Reflective Markings	Proactive Proactive	\$3,500 \$8,500	0.0 0.0	\$0 \$0			
	enter Line Rumble Strip	Proactive	\$3,000	0.0	\$0			
	6" Center Line	Proactive	\$650	0.0	\$0	_		
Pro-1-10-15-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	111			D	-1 V			
Project Cost Estimate (attach detai	пеа сору)			Propose	a year c	of Constructio	on	
	Federal Funds	\$0						
Local Match (10	% of Total project cost)	\$0	_					
	Total Project Cost	\$0						
NDDOT Central Office Only								
Project Accepted?	□ No R	Reference Number	1			ID Number		
Notes		Cicionico i vambor				ID ITALIIDEI		
							Page:	15
						Seg	gment ID:	7.01
							Date:	10/23/2013

Pembina County Curves

									Cras	hes							
Curve Count	ID	Corridor	Segment	Start	End	Curve Advisory Sign	Speed Advisory Sign	Chevrons	Total	к а	Radius (ft)	ADT	Intersection on Curve	Visual Trap	Speed Limit	Risk Ranking	Notes
1	001A	1.03	Pembina 1	Bathgate west city limit	Bathgate east city limit	No	No	No	-		555	240	No	Yes	Low	**	No
2	001B	1.03		Bathgate west city limit	Bathgate east city limit	No	No	No	-		215	240	No	No	Low		No
3	001C	1.03		Bathgate west city limit	Bathgate east city limit	No	No	No	-		150	240	No	Yes	Low	*	No
4	009A	9.01		Walhalla east city limit	Intersection with 135th Avenue	Yes	No	No	2		765	458	No	No	High	**	Curve Advisory Sign
5	009B	9.01	Pembina 9	Walhalla east city limit	Intersection with 135th Avenue	No	No	No	1		540	458	No	No	High	**	No
6	012A	12.02	Pembina 12	Intersection with ND 66	Intersection with ND 5 / 93rd Street	Yes	No	No	-		1100	130	No	No	High	*	Curve Advisory Sign
7	012B	12.02	Pembina 12	Intersection with ND 66	Intersection with ND 5 / 93rd Street	Yes	No	No	-		1500	130	No	No	High		Curve Advisory Sign
8	012C	12.03	Pembina 12	Intersection with ND 5 / 93rd Street	Intersection with 101st Street	Yes	No	No	-		2050	409	No	No	High	*	Curve Advisory Sign
9	055A	55.01	Pembina 55	Pembina/Cavalier County Line	Intersection with Delano Ave (in Walhalla)	Yes	No	No	-		1040	375	No	No	Low	**	Reverse Curve
10	055B	55.02			u Intersection with ND 18 / 144th Avenue	Yes	No	No	-		790	315	Yes	No	High	**	Winding Road
11	055C	55.02	Pembina 55	Intersection with ND 32 / 128th Aver	u Intersection with ND 18 / 144th Avenue	Yes	No	No	1		1100	315	No	No	High	*	Winding Road
12	055D	55.02	Pembina 55	Intersection with ND 32 / 128th Aver	u Intersection with ND 18 / 144th Avenue	Yes	No	No	-		785	315	No	No	High	*	Winding Road
13	055E	55.03	Pembina 55	Intersection with ND 18 / 144th Aver	u Interchange with IH 29 SB Ramps	Yes	No	Yes	1		575	366	Yes	Yes	High	****	Curve Advisory Sign
14	055F	55.03	Pembina 55	Intersection with ND 18 / 144th Aver	u Interchange with IH 29 SB Ramps	Yes	No	Yes	4	1 -	575	366	Yes	Yes	High	****	Curve Advisory Sign
15	055G	55.03	Pembina 55	Intersection with ND 18 / 144th Aver	u Interchange with IH 29 SB Ramps	Yes	No	Yes	-		825	366	No	No	High	**	Reverse Curve
16	055H	55.03	Pembina 55	Intersection with ND 18 / 144th Aver	u Interchange with IH 29 SB Ramps	Yes	No	Yes	-		1000	366	No	No	High	**	Reverse Curve
17	509A	509.01	N/A	Intersection with ND 5 / 93rd Street	End of road	No Photos/Streetview			-		240	29	No	No	High		No Photos/Streetvie
18	509B	509.01	N/A	Intersection with ND 5 / 93rd Street	End of road	No Photos/Streetview			-		200	29	No	No	High		No Photos/Streetvie
19	509C	509.01	N/A	Intersection with ND 5 / 93rd Street	End of road	No Photos/Streetview			-		135	29	No	Yes	High	*	No Photos/Streetvie
20	509D	509.01	N/A	Intersection with ND 5 / 93rd Street	End of road	No Photos/Streetview			-		90	29	Yes	Yes	High	**	No Photos/Streetvie
21	509E	509.01	N/A	Intersection with ND 5 / 93rd Street	End of road	No Photos/Streetview			-		245	29	No	No	High		No Photos/Streetvie
22	509F	509.01	N/A	Intersection with ND 5 / 93rd Street	End of road	No Photos/Streetview			-		145	29	No	Yes	High	*	No Photos/Streetvie
23	509G	509.01	N/A	Intersection with ND 5 / 93rd Street	End of road	No Photos/Streetview			-		265	29	Yes	Yes	High	**	No Photos/Streetvie
24	514A	514.01	N/A	5280 feet north of 101st Street	Pembina south city limit	No Photos/Streetview			-		3800	75	Yes	No	High	*	No Photos/Streetvier
25	514B	514.01	N/A	5280 feet north of 101st Street	Pembina south city limit	No Photos/Streetview			-		2220	75	Yes	No	High	*	No Photos/Streetvier
26	514C	514.01	N/A	5280 feet north of 101st Street	Pembina south city limit	No Photos/Streetview			-		2100	75	No	No	High		No Photos/Streetviev
27	514D	514.02	N/A	Pembina north city limit	4670 feet north of ND 59	No Photos/Streetview			-		1600	29	No	No	Low		No Photos/Streetvier
28	514E	514.02	N/A	Pembina north city limit	4670 feet north of ND 59	No Photos/Streetview			_		2900	29	No	No	Low		No Photos/Streetvie
29	518A	518.01	N/A	Intersection with 101st Street	Intersection with 107th Street	Yes	No	No	-		1800	275	No	No	High		Winding Road
30	518B	518.01	N/A	Intersection with 101st Street	Intersection with 107th Street	Yes	No	Yes	_		1200	275	Yes	No	High	**	Winding Road
31	518C	518.01	N/A	Intersection with 101st Street	Intersection with 107th Street	Yes	No	Yes	_		575	275	Yes	No	High	**	Winding Road
32	518D	518.01	N/A	Intersection with 101st Street	Intersection with 107th Street	Yes	No	Yes			1150	275	No	No	High	+	Winding Road

		Total
Stars	#	%
****	1	3%
****	1	3%
***	0	0%
**	11	34%
*	10	31%
	9	28%
	32	100%

Critical Ranges	Min	Max	
Radius	500	1,200	
ADT	350	650	

	06-2011)														
		,	Agend Contac Email	cy Name ct Name Address	: Pembina Co : Troy Kittelso : pembhwy@r	unty on nd.gov			st city lim	1	gate east cit ND DOT District: ephone Number:	6	В			
			ap(s). You may (Corridor C		onal sheets to furt	her describe	e your proje	ect.								
Star End Facility Type	t: Batho	gate we gate ea ne Paveo	est city limit ast city limit		L S Shou Sho Len	ane Width: peed Limit: Ider Width: ulder Type: gth (miles): e Installed:	Low 2' Gravel 0.8				□ Increase the Use of Safety Restraints for all Occupar □ Younger Driver/Older Driver Safety □ Curb Aggressive Driving □ Improvements to Address Lane Departure Crashes □ Enhancing Emergency Medical Capabilities to Increa					
				& Systen	nic Ranking R											
North Dakota Curve ID	К	Α	Radius (ft)	ADT	Intersection on Curve	Visual Trap	years Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius	Sign Improvement Project	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	Advisory Speed Plaque		
001A 001B 001C	0 0 0	0 0 0	555 215 150	240 240 240	No No No	Yes No Yes	**	x x	X - -	Chevron Chevron Chevron	- - -	- - -	x x x	Inspect Curve		
Ranking C			ecutive, as son		Severe Crashes Radius	Criteria > 0 500 to 1200 350 to 650	i turther an	Curves are se - 3 or more ★ - x in Proximit	elected for projects	-	vei road, etc					
Describe F	Propo	2 has			section on Curve	Yes		- within Critica	al Radius	evron column						
Describe I	, opo.		afety Impro	vements	section on Curve Visual Trap			- Within Critica		evron column						
		360 0	afety Impro Advance		Sign/Speed Advis	Yes Yes Description Chevrons Board Only ory Plaque	Proactive Proactive Proactive Proactive	Unit Cost \$3,300 \$500 \$800	per curve per curve per curve per curve per curve per mile	Quantity 3 0 3 .0 miles .0 miles	Total cost \$9,900 \$0 \$2,400 \$0 \$0	Notes - Segmer sheets.	it projects sugge	ested on other		
Project Co	st Es		_	e Warning	Arrow Sign/Speed Advis Shoulder R Shoul	Yes Yes Description Chevrons Board Only tory Plaque umble Strip	Proactive Proactive Proactive Proactive	Unit Cost \$3,300 \$500 \$800 \$3,000	per curve per curve per curve per curve per curve per mile	Quantity 3 0 3 .0 miles .0 miles	\$9,900 \$0 \$2,400 \$0	sheets.	ıt projects sugge	ested on other		
Project Co	st Es		Advance — — e (attach de	e Warning	Arrow Sign/Speed Advis Shoulder R	Yes Yes Description Chevrons Board Only ory Plaque umble Strip der Paving	Proactive Proactive Proactive Proactive Proactive \$11,070 \$1,230	Unit Cost \$3,300 \$500 \$800 \$3,000	per curve per curve per curve per curve per curve per mile	Quantity 3 0 3 .0 miles .0 miles	\$9,900 \$0 \$2,400 \$0 \$0 \$12,300	sheets.	it projects sugge	ested on other		
NDDOT Ce	entral	timate	Advance e (attach de	e Warning tailed co	Arrow Sign/Speed Advis Shoulder R	Yes Yes Description Chevrons Board Only ory Plaque umble Strip der Paving leral Funds roject cost) ject Cost	Proactive Proactive Proactive Proactive Proactive \$11,070 \$1,230 \$12,300	Unit Cost \$3,300 \$500 \$800 \$3,000	per curve per curve per curve per curve per curve per mile	Quantity 3 0 3 .0 miles .0 miles	\$9,900 \$0 \$2,400 \$0 \$0 \$12,300 ear of Construct	sheets.	ıt projects sugge	ested on other		
•	entral	timate	Advance	e Warning tailed co	Arrow Sign/Speed Advis Shoulder R	Yes Yes Description Chevrons Board Only ory Plaque umble Strip der Paving leral Funds roject cost)	Proactive Proactive Proactive Proactive Proactive \$11,070 \$1,230 \$12,300	Unit Cost \$3,300 \$500 \$800 \$3,000	per curve per curve per curve per curve per curve per mile	Quantity 3 0 3 .0 miles .0 miles	\$9,900 \$0 \$2,400 \$0 \$0 \$12,300	sheets.	it projects sugge	ested on other		

North Dakota	Depa	rtmen			PROGRAM gramming	I (HSIP) I	PROJE	CT APPLI	CATION						
	a locati	on ma	Agen Conta Email ap(s). You may	cy Name act Name Address y use additi	: Pembina Co : Troy Kittelso : pembhwy@i onal sheets to furl	unty on nd.gov			ty limit to		ion with 135t ND DOT District: ephone Number:	6	3		
Location D	escrip	otion	(Corridor (Containin	g Curves)						SHSP Emphas	is Area (check all	that apply)		
End Facility Type	: Interse : 2-Lane : 458 e Rural	ection e Paved	st city limit with 135th Av	renue	S Shou Sho Len	Lane Width: Speed Limit: ulder Width: oulder Type: gth (miles): le Installed:	High 2' Paved 7.6		□ Reduce Alcohol Impaired Driving □ Increase the Use of Safety Restraints for all □ Younger Driver/Older Driver Safety □ Curb Aggressive Driving □ Improvements to Address Lane Departure C □ Enhancing Emergency Medical Capabilities □ Improve Intersection Safety						
				& Systen	nic Ranking R										
North Dakota Curve ID	K K	s, 200 A	8 - 2012 Radius (ft)	ADT	Intersection on Curve	Visual Trap	years Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius	Sign Improvement Project	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	Advisory Speed Plaque	
009A 009B	0	0	765 540	458 458	No No	No No	** **	-	x x	Chevron Chevron	-	-	X X	45 40	
*Curve numbe <i>Ranking C</i> i		t cons	ecutive, as so		Severe Crashes Radius ADT section on Curve	Criteria > 0 500 to 1200 350 to 650 Yes		Curves are se	elected for projects s ty or Existing Ch	ct if:	vel road, etc				
					Visual Trap	Yes									
Describe P	ropos	ed S	afety Impro	ovements	•										
			Advand -	ce Warning	Arrow Sign/Speed Advis Shoulder R	Description Chevrons Board Only sory Plaque umble Strip lder Paving	Proactive Proactive Proactive	\$500 \$800	per curve per curve per curve per mile per mile	Quantity 2 0 2 .0 miles .0 miles	Total cost \$6,600 \$0 \$1,600 \$0 \$0 \$80 \$8,200	Notes -			
Project Co.	st Esti	imate	e (attach de	etailed co	ру)					Proposed Y	ear of Constructi	ion			
				Local Mate	ch (10% of Total p	deral Funds project cost) pject Cost	\$820								
NDDOT Ce		Office		la.		Deference	Ni wala a a	I			IID Moreshau	I			
Project Accep Notes	tea?		Yes	No		Reference	Number	l			ID Number	l			
													Page Segment ID Date		

LUCLUMAN CAFETY MADDONEMENT	T DD O O D A M (LIOID)		OT A DDL I	O A TION					
HIGHWAY SAFETY IMPROVEMEN' North Dakota Department of Transportation Pro SFN 59959 (06-2011)		PROJE	CI APPLI	CATION					
Curves on Pe Agency Name Contact Name	mbina 12 from Into e: Pembina County e: Troy Kittelson e: pembhwy@nd.gov			ND 66 to I		on with ND 5 ND DOT District ephone Number	: 6		
Location Description (Corridor Containi		- у р у							
Start: Intersection with ND 66 End: Intersection with ND 5 / 93rd Street Facility Type: 2-Lane ADT: 130 Road Type Rural Paved County Road Pembina 12	Lane Width: Speed Limit: Shoulder Width: Shoulder Type: Length (miles): Rumble Installed:	High 2' Paved 9.9				SHSP Empha: Reduce Alcohol Imp Increase the Use of Younger Driver/Old Curb Aggressive Dr Improvements to Ac Enhancing Emerger Improve Intersection	Safety Restraints er Driver Safety iving Idress Lane Depa ncy Medical Capa	for all Occupan	
Describe Current Safety Issues & System									
North Dakota Crashes, 2008 - 2012 Curve ID K A Radius (ft) ADT	Intersection Visual on Curve Trap	years Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius	Sign Improvement Project	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	Advisory Speed Plaque
012A 0 0 1100 130 012B 0 0 1500 130	No No No No	*	- X	X -	Chevron Chevron	- -	-	- X	-
*Curve numbering not consecutive, as some curves *Ranking Criteria Inte Describe Proposed Safety Improvement	Criteria Severe Crashes > 0 Radius 500 to 1200 ADT 350 to 650 rsection on Curve Yes Visual Trap Yes		Curves are se - 3 or more ★	elected for projects s y or Existing Ch	et if:	vel road, etc			
Describe i roposed Garety improvement		_							
Advance Warning	Description Chevrons Arrow Board Only Sign/Speed Advisory Plaque Shoulder Rumble Strip Shoulder Paving	Proactive Proactive Proactive	\$500		Quantity 2 0 1 .0 miles .0 miles	Total cost \$6,600 \$0 \$800 \$0 \$0 \$7,400	Notes - Intersect sheets.	tion projects su	ggested on other
Project Cost Estimate (attach detailed co	ору)				Proposed Yo	ear of Construct	ion		
Local Mat	Federal Funds tch (10% of Total project cost) Total Project Cost	\$740	-						
NDDOT Central Office Only									
Project Accepted?	Reference	Number				ID Number			
								Page Segment ID Date	

Start Pembras Cavaller County Line Start Pembras Cavaller County Line End. Intersection with Delation Ave (in Walth End. Intersection Walth End. Intersection Walth End.	Curv	n.	aalaiss - FS	from David			0 1	. 1 !m = 4 = !	 	m with Date		Malk = U · Y	
Content Describe Proposed Safety Improvements Describe Proposed Safety Improveme		Age Cont	ncy Name: act Name:	Pembina Count Troy Kittelson	у	valie	er County	/ Line to I		ND DOT District	: 6	·	
Stain: Perbinal Cavaller County Line Lane Wolfin. 12 Speed Linit Low Speed Linit Condition Speed Linit Low Speed Linit Condition Speed Linit Low Speed Linit Condition Intersection Suited Speed Linit Condition Speed Linit Condition Advance Linit Condition Speed Linit Condition Advance Linit Condition Speed Linit Condition Speed Linit Condition Advance Linit Condition Speed Linit Condition Speed Linit Condition Speed Linit Condition L	Please attach a location					ur proje	ect.						
Start. Perrebins/Conviet Contry Line End. Intersection with Deland Are (in Worth Facility 1/pc; 21-airs End. Intersection with Deland Are (in Worth Facility 1/pc; 21-airs Facility 1/p					•								
North Dakota Crashes, 2009 - 2012	End: Intersect Facility Type: 2-Lane ADT: 375 Road Type Rural Pa	ion with Delano		Speed Shoulder Shoulde Length (d Limit: Low Width: 4' r Type: Pav (miles): 1.2					Reduce Alcohol Imp Increase the Use of Younger Driver/Olde Curb Aggressive Dr Improvements to Ad Enhancing Emerger	paired Driving Safety Restraints or Driver Safety iving Idress Lane Depa	s for all Occupan	
Advance Conversion Conver			& Systemi	c Ranking Revie									
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 Citteria** Curves are selected for project if: Severe Crashes 7	Curve ID K A			on Curve T	isual F Frap Ra	Risk Inking	Existing	Segment +	Improvement Project		Rumble Strip	Horizontal Alignment	Advisory Speed Plaque
Ranking Criteria Criteria Severe Crashes > 0 Radius 500 to 1200 ADT 350 to 650 Intersection on Curve Yes Visual Trap Yes	055A 0 0	1040	375	No	No :	**	-	Х	Chevron	-	-	X	50
Description Type Unit Cost Quantity Total cost		onsecutive, as s	S	Crite evere Crashes Radius 500 ADT 350 ction on Curve	eria > 0 to 1200 to 650 Yes	ther an	Curves are se - 3 or more *: - x in Proximity	elected for projects s y or Existing Ch	ct if:	vel road, etc			
Chevrons Proactive \$3,300 per curve 1 \$3,300 Notes - Segment projects suggested of Arrow Board Only Proactive \$500 per curve 0 \$0 \$0 sheets. Advance Warning Sign/Speed Advisory Plaque Proactive \$800 per curve 1 \$800 per curve 1 \$800 per mile 0.0 miles \$0 proactive \$3,000 per mile 0.0 miles \$0 proactive \$3,000 per mile 0.0 miles \$0 proactive \$4,100 per mile 0.0 miles \$0 proactive \$4,100 per mile 0.0 miles \$0 per curve \$1 per curve	Describe Proposed	d Safety Impr	ovements										
Project Cost Estimate (attach detailed copy) Federal Funds \$3,690 Local Match (10% of Total project cost) \$410 Total Project Cost \$4,100 NDDOT Central Office Only Project Accepted?		Advan	ce Warning Si	Ch Arrow Boar gn/Speed Advisory Shoulder Rumb	rd Only Pro Plaque Pro lle Strip Pro	pactive pactive pactive pactive	\$3,300 p \$500 p \$800 p \$3,000 p	per curve per curve per mile	1 0 1 .0 miles	\$3,300 \$0 \$800 \$0 \$0		nt projects sugge	ested on other
Local Match (10% of Total project cost) \$410 Total Project Cost \$4,100 NDDOT Central Office Only Project Accepted?	Project Cost Estim	ate (attach d	etailed cop	y)					Proposed Y		ion		
Project Accepted?			Local Match	(10% of Total project	ct cost) \$	410	-						
Notes Page: 4 Segment ID: 55.01													
Segment ID: 55.01	NDDOT Central Of	fice Only											
	Project Accepted?		□No	Re	eference Nu	mber				ID Number			

D			Agen Conta Email	ncy Name: act Name: Address:	Pembina Co Troy Kittelso pembhwy@	ounty on nd.gov			28th Aven		rsection with ND DOT District: ephone Number:	: 6		nue
Location De					nal sheets to fur	ther describ	e your proje	ect.						
	Inters 2-Lan 315 Rural	ection e Pave			Show Show Show Ler	Lane Width: Speed Limit: ulder Width: oulder Type: ngth (miles): le Installed:	High 4' Paved 16.0				SHSP Emphas Reduce Alcohol Imp Increase the Use of Younger Driver/Olde Curb Aggressive Dri Improvements to Ad Enhancing Emerger Improve Intersection	Safety Restraints er Driver Safety iving dress Lane Depa ncy Medical Capa	for all Occupan	
Describe Co				& Systemi	ic Ranking R		years							
Curve ID	K	A	Radius (ft)	ADT	Intersection on Curve	Visual Trap	Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius	Sign Improvement Project	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	Advisory Speed Plaque
055B 055C 055D	0 0 0	0 0 0	790 1100 785	315 315 315	Yes No No	No No No	** * *	- - -	x x x	Chevron Chevron Chevron	- - -	- - -	x x x	45 - 45
Curve number	ing no	ot cons	secutive, as so	ome curves m	nay have been r	emoved fron	n further an	nalysis becaus	e a large radius,	located on a gra	ivel road, etc			
			secutive, as sc	S	Severe Crashes Radius ADT ection on Curve	Criteria > 0 500 to 1200 350 to 650 Yes		Curves are s	elected for projects ty or Existing Ch	ct if:	ivel road, etc			
			secutive, as sc	S	Severe Crashes Radius ADT	Criteria > 0 500 to 1200 350 to 650		Curves are s - 3 or more ★ - x in Proximi	elected for projects ty or Existing Ch	ct if:	ivel road, etc			
Ranking Cr	iteria	1		S	Severe Crashes Radius ADT ection on Curve	Criteria > 0 500 to 1200 350 to 650 Yes		Curves are s - 3 or more ★ - x in Proximi	elected for projects ty or Existing Ch	ct if:	ivel road, etc			
Ranking Cr	iteria	1	Safety Impre	S Interse	Severe Crashes Radius ADT ection on Curve Visual Trap Arrow sign/Speed Advi Shoulder R	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only	Type Proactive Proactive Proactive Proactive	Curves are s - 3 or more ★ - x in Proximi - within Critic Unit Cost \$3,300 \$500 \$800 \$3,000	elected for projects ty or Existing Ch	ct if:	Total cost \$9,900 \$0 \$2,400 \$0 \$0	Notes -		
Ranking Cr Describe Pi	ropos	sed S	Safety Impre - Advanc	Interse Diverments De Warning S	Severe Crashes Radius ADT ection on Curve Visual Trap Arrow sign/Speed Advi Shoulder R Shou	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque tumble Strip	Type Proactive Proactive Proactive Proactive	Curves are s - 3 or more ★ - x in Proximi - within Critic Unit Cost \$3,300 \$500 \$800 \$3,000	elected for projects ty or Existing Chal Radius per curve per curve per curve per curve per curve per mile	Quantity 3 0 3 0 miles 0 miles	Total cost \$9,900 \$0 \$2,400 \$0	-		
Ranking Cr Describe Pi	ropos	sed S	Safety Impre - Advanc	Interse Diverse Div	Arrow Sign/Speed Advis Shoulder Roys Fee (10% of Total p	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque cumble Strip ulder Paving	Type Proactive Proactive Proactive \$11,070 \$1,230	Curves are s - 3 or more ★ - x in Proximi - within Critic Unit Cost \$3,300 \$500 \$800 \$3,000 \$37,000	elected for projects ty or Existing Chal Radius per curve per curve per curve per curve per curve per mile	Quantity 3 0 3 0 miles 0 miles	Total cost \$9,900 \$0 \$2,400 \$0 \$0 \$12,300	-		
*Curve number Ranking Cr. Describe Pr Project Cos	ropos	sed S	Advance (attach de	Interse Diverse Div	Arrow Sign/Speed Advis Shoulder Roys Fee (10% of Total p	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque Rumble Strip Rumble Train Cheral Funds Cheral Funds Coroject cost)	Type Proactive Proactive Proactive Proactive \$11,070 \$12,300	Curves are s - 3 or more ★ - x in Proximi - within Critic Unit Cost \$3,300 \$500 \$800 \$3,000 \$37,000	elected for projects ty or Existing Chal Radius per curve per curve per curve per curve per curve per mile	Quantity 3 0 3 0 miles 0 miles	Total cost \$9,900 \$0 \$2,400 \$0 \$0 \$12,300	-		

OFNI FOOEO (O				rtation Progr										
SFN 59959 (0	Cı	irve	Agen Conta Email	cy Name: ict Name: Address:	Pembina Co Troy Kittelso pembhwy@r	unty on nd.gov			144th Av	1	terchange w ND DOT District: ephone Number:	6	-	5
			ap(s). You may (Corridor (nal sheets to furt	her describ	e your proje	ect.						
Start	Inters Inters 2-Lai 366 Rura	section change ne	with ND 18 / 12 with IH 29 SE	144th Avenu	L S Shou Shoi Len	ane Width: peed Limit: llder Width: ulder Type: gth (miles): le Installed:	High 2' Paved 14.1				SHSP Emphas Reduce Alcohol Imp Increase the Use of Younger Driver/Olde Curb Aggressive Dri Improvements to Ad Enhancing Emerger Improve Intersection	Safety Restraints or Driver Safety ving dress Lane Depar cy Medical Capal	for all Occupar	
				& Systemi	c Ranking R									
Curve ID 055E 055F	Crashe K 0 1	A 0 0	Radius (ft) 575 575	ADT 366 366	Intersection on Curve Yes Yes	Visual Trap Yes Yes	Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius X X	Sign Improvement Project Chevron Chevron	Shoulder Paving Project Inside/Outside Inside/Outside	Shoulder Rumble Strip Project Inside/Outside Inside/Outside	Advance Horizontal Alignment Warning Sign x x	Advisory Speed Plaque 40 40
055G 055H	0	0	825 1000	366 366	No No	No No	** **	x x	x x	Chevron Chevron	Inside/Outside Inside/Outside	Inside/Outside Inside/Outside	x x	45 50
Curve numbe Ranking C r			secutive, as so	S	evere Crashes Radius !	Criteria > 0 500 to 1200 350 to 650 Yes Yes	-	Curves are se	ty or Existing Che	et if:	vel road, etc			
Describe P	ropo	sed S	afety Impro	ovements										
			- Advanc	e Warning Si	Arrow I ign/Speed Advis Shoulder Ri	Board Only ory Plaque	Proactive Proactive Proactive Proactive	\$500 \$800	per curve per curve per curve per mile per mile	Quantity 4 0 4 .4 miles .4 miles	Total cost \$13,200 \$0 \$3,200 \$1,240 \$15,297 \$32,937	Notes - Segmen suggested on ot		on projects
Project Co:	st Es	timat	e (attach de	tailed cop	y)					Proposed Ye	ear of Construct	ion		
				Local Match	(10% of Total p									
NDDOT Ce. Project Accept		Offic		No		Reference	e Number				ID Number			
Notes	icu:			NO		receion	CINGINISCI				ID Number			
													Page Segment ID Date	

North Dakota SFN 59959 (0														
Please attach	a locati	on ma	Ager Cont Email	ncy Name: act Name: Address:	N/A from Pembina Co Troy Kittelso pembhwy@i nal sheets to furt	ounty on nd.gov			st Street to		tion with 107 ND DOT District: lephone Number:	6	3	
Location D										I	CUCD Emphas	is Area (check al	I that apply)	
End Facility Type	: Interse : 2-Lane : 275 e Rural	ection e	with 101st SI with 107th Si		Shou Sho Sho Len	Lane Width: Speed Limit: ulder Width: oulder Type: ogth (miles): le Installed:	High 0' Paved 6.0				Reduce Alcohol Imp Increase the Use of . Younger Driver/Olde Curb Aggressive Dri Improvements to Ad Enhancing Emergen Improve Intersection	aired Driving Safety Restraints or Driver Safety ving dress Lane Depa cy Medical Capal	for all Occupar	
Describe C				& System	ic Ranking R		years							
Curve ID	К	A	Radius (ft)	ADT	Intersection on Curve	Visual Trap	Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius	Sign Improvement Project	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	Advisory Speed Plaque
518A 518B	0 0	0 0	1800 1200	275 275	No Yes	No No	**	x x	X	Chevron Chevron	-	-	-	-
518C 518D	0	0 0	575 1150	275 275	Yes No	No No	**	X X	X X	Chevron Chevron	-	-	X -	40
*Curve numbe Ranking C		t cons	ecutive, as so	,	Severe Crashes Radius ADT ection on Curve	Criteria > 0 500 to 1200 350 to 650 Yes		Curves are se	elected for projects s ty or Existing Ch	ct if:	avel road, etc			
		•			Visual Trap	Yes								
Describe P	ropos	ed S	afety Impr	ovements										
			Advan	ce Warning S	Arrow Sign/Speed Advis Shoulder R	Board Only	Proactive Proactive Proactive Proactive	\$500 \$800	per curve per curve per curve per mile per mile	Quantity 4 0 1 .0 miles .0 miles	Total cost \$13,200 \$0 \$800 \$0 \$0 \$14,000	Notes -		
Project Co	st Esti	imate	e (attach d	etailed co _l	oy)					Proposed Y	ear of Construct	ion		
				Local Match	n (10% of Total p	deral Funds project cost) pject Cost	\$1,400	-						
NDDOT Ce				1		D ,		ı			lin N			
Project Accep Notes	ted?		Yes [] No		Reference	e Number	l			ID Number	<u> </u>		
													Page Segment ID Date	

Pembina County Summary of Rural Intersection Projects

Page	Intersection ID	Description	Risk Ranking	Mainline Dynamic Warning Sign	Install Street Lights	Signs & Markings	Project Cost (\$)
1	2.01	141st Ave NE (Pembina 2) & Division Ave NE (ND 5)	****	Х	-	х	\$51,850
2	1.04	101st St NE (Pembina 1) & 141st Ave NE (Pembina 2)	***	-	Х	Х	\$9,700
3	6.02	ND 5 & 127th Ave NE (Pembina 6)	***	Х	Х	Х	\$59,700
4	3.07	89th St NE (Pembina 3) & Interstate 29 NB Ramps	***	-	-	Х	\$3,700
5	1.01	101st St NE (Pembina 1) & 127th Ave NE	***	-	Х	Х	\$9,250
6	1.05	101st St NE (Pembina 1) & 144th Ave NE (ND 18)	***	-	Х	Х	\$9,700
7	1.08	101st St NE (Pembina 1) & Interstate 29 NB Ramps	***	-	-	Х	\$3,700
8	502.01	86th St NE (Pembina 502) & Interstate 29 SB Ramps	***	-	-	Х	\$3,700
9	1.03	101st St NE (Pembina 1) & 137th Ave NE (Pembina 12)	***	-	Х	Х	\$9,000
10	11.01	84th St NE (Pembina 11) & US 81	***	-	-	Х	\$3,000
11	11.03	84th St NE (Pembina 11) & Interstate 29 NB Ramps	***	-	-	х	\$3,700
12	12.03	ND 5 (W) & 137th Ave NE (Pembina 12)	***	-	Х	Х	\$9,000
13	12.04	ND 5 (E) & 137th Ave NE (Pembina 12)	***	-	Х	Х	\$9,000
14	55.05	107th St NE (Pembina 55) & Interstate 29 SB Ramps	***	Х	Х	Х	\$65,700
15	500.01	ND 66 & 161st Ave NE (Pembina 500)	***	-	-	Х	\$7,400
16	502.02	86th St NE (Pembina 502) & Interstate 29 NB Ramps	***	-	-	Х	\$3,700
			•	3	8	17	\$261,800

Pembina County Rural Intersection Listing

Int#	Intersection Description	Skew	On/Near Curve	Development	RR Xing	ADT	Previous STOP (>5mi)	Total Crashes	ADT Cross Product > 100,000	Cra	ash Cost
1.01	101st St NE (Pembina 1) & 127th Ave NE	No	No	No	No	1117	Yes	1	Yes	\$	12,000
1.02	101st St NE (Pembina 1) & 135th Ave NE (Pembina 518)	No	No	No	No	645	Yes	0	No	\$	-
1.03	101st St NE (Pembina 1) & 137th Ave NE (Pembina 12)	No	No	Yes	No	680	Yes	0	Yes	\$	-
1.04	101st St NE (Pembina 1) & 141st Ave NE (Pembina 2)	No	No	No	No	670	Yes	1	Yes	\$	412,000
1.05	101st St NE (Pembina 1) & 144th Ave NE (ND 18)	No	No	No	No	740	Yes	1	Yes	\$	12,000
1.06	101st St NE (Pembina 1) & 152nd Ave NE (Pembina 4)	No	No	No	No	285	Yes	1	No	\$	12,000
1.07	101st St NE (Pembina 1) & Interstate 29 SB Ramps	No	Yes	No	No	140	Yes	0	No	\$	-
1.08	101st St NE (Pembina 1) & Interstate 29 NB Ramps	Yes	No	No	No	100	Yes	1	No	\$	12,000
2.01	141st Ave NE (Pembina 2) & Division Ave NE (ND 5)	Yes	Yes	Yes	No	2463	Yes	0	Yes	\$	-
2.02	141st Ave NE (Pembina 2) & 107th St NE (Pembina 55)	No	No	No	No	490	Yes	0	No	\$	-
3.01	88th St NE (Pembina 3) & ND 32	No	No	No	No	603	Yes	0	No	\$	-
3.02	88th St NE (Pembina 3) & 135th Ave NE (Pembina 12)	No	No	No	No	435	Yes	0	No	\$	-
3.03	88th St NE (Pembina 3) & 140th Ave NE (ND 18)	No	No	No	No	1200	Yes	0	Yes	\$	-
3.04	88th St NE (Pembina 3) & 148th Ave NE (US 81) SOUTH	No	No	No	No	385	Yes	0	No	\$	-
3.05	89th St NE (Pembina 3) & 148th Ave NE (US 81) NORTH	No	No	No	No	482	Yes	0	No	\$	-
3.06	89th St NE (Pembina 3) & Interstate 29 SB Ramps	Yes	No	No	No	110	Yes	0	No	\$	-
3.07	89th St NE (Pembina 3) & Interstate 29 NB Ramps	Yes	No	No	No	70	Yes	1	No	\$	91.000
4.01	ND 66 & 155th Ave NE (Pembina 4)	No	No	No	No	465	Yes	1	No	\$	12,000
4.02	ND 5 & 152nd Ave NE (Pembina 4)	No	No	No	No	957	Yes	1	No	\$	12,000
6.01	92nd St NE (Pembina 6) & 127th Ave NE	No	No	No	No	90	No	0	No	\$	12,000
6.02	ND 5 & 127th Ave NE (Pembina 6)	No	No	No	No	1275	Yes	1	Yes	\$	136,000
7.01	81st St NE (Pembina 7) & ND 32	No	No	No	No	862	Yes	1	No	\$	12,000
9.01	104th St NE (Pembina 9) & 135th Ave NE (Pembina 12)	No	No	No	No	417	Yes	0	No	\$	12,000
	84th St NE (Pembina 11) & US 81	Yes	Yes	No	No	635	Yes	0	No	\$	_
	84th St NE (Pembina 11) & Interstate 29 SB Ramps	No	Yes	No	No	133	Yes	0	No	\$	
	84th St NE (Pembina 11) & Interstate 29 NB Ramps	No	Yes	No	Yes	180	Yes	0	No	\$	-
	84th St NE (Pembina 11) & 161st Ave NE	No	No	No	Yes	245	No	0	No	\$	-
	ND 66 & 135th Ave NE (Pembina 12)	No	No	No	No	510	Yes	0	No	\$	_
	91st St NE & 135th Ave NE (Pembina 12)	No	No	No	No	1495	Yes	0	Yes	\$	-
	ND 5 (W) & 137th Ave NE (Pembina 12)	No	Yes	No	No	1445	Yes	0	Yes	\$	
	ND 5 (W) & 137th Ave NE (Fembina 12)	No	No	Yes	No	1787	Yes	0	Yes	\$	-
	107th St NE (Pembina 55) & ND 32	No	No	No	No	717	Yes	1	No	\$	12,00
	107th St NE (Pembina 55) & 135th Ave NE (Pembina 55)	No	No	No	No	415	Yes	0	No	\$	12,00
	107th St NE (Pembina 55) & ND 18	No	No	No	No	955	Yes	0	Yes	\$	
	107th St NE (Pembina 55) & Interstate 29 SB Ramps	No	Yes	No	No	1938	Yes	0	Yes	\$	
	ND 66 & 161st Ave NE (Pembina 500)	No	No	Yes	Yes	3215	No	0	Yes	\$	
	86th St NE (Pembina 502) & Interstate 29 SB Ramps	No	Yes	No	No	85	Yes	1	No	\$	12,000
	86th St NE (Pembina 502) & Interstate 29 NB Ramps	Yes	Yes	No	No	103	Yes	0	No	\$	12,000
	91st St NE (Pembina 503) & 133rd Ave NE	No	No	No	No	45	No	0	No	\$	
		No	No		No	19		0	No	\$	
	92nd St NE (Pembina 504) & 133rd Ave NE	No	No	No No	No	555	No Yes	0	No	\$	-
	92nd St NE (Pembina 505) & ND 32							0		\$	
	93rd St NE & 160th Ave NE	Yes	No	No	No	22	No		No		-
	93rd ST NE & Interstate 29 SB Ramps	No	Yes	No	No	40	Yes	0	No	\$	-
	93rd ST NE & Interstate 29 NB Ramps	No	Yes	No	No	55	Yes	0	No	\$	-
	ND 5 & 135th 1/2 Ave NE	No	Yes	No	No	1137	No	0	No	\$	-
. 1 1 M	ND 5 160th 1/2 Ave NE	No	No	No	Yes	498	Yes	0	No	\$	-

Pembina County Rural Intersection Prioritization

Rank	Int#	Intersection Description	Skew	On/Near Curve	Development	RR Xing	Previous STOP (>5mi)	Total Crashes	ADT Cross Product > 100,000	Priority	Cra	ash Cost
1	2.01	141st Ave NE (Pembina 2) & Division Ave NE (ND 5)	*	*	*		*		*	****	\$	-
2	1.04	101st St NE (Pembina 1) & 141st Ave NE (Pembina 2)					*	*	*	***	\$	412,000
3	6.02	ND 5 & 127th Ave NE (Pembina 6)					*	*	*	***	\$	136,000
4	3.07	89th St NE (Pembina 3) & Interstate 29 NB Ramps	*				*	*		***	\$	91,000
5	1.01	101st St NE (Pembina 1) & 127th Ave NE					*	*	*	***	\$	12,000
6	1.05	101st St NE (Pembina 1) & 144th Ave NE (ND 18)					*	*	*	***	\$	12,000
7	1.08	101st St NE (Pembina 1) & Interstate 29 NB Ramps	*				*	*		***	\$	12,000
8	502.01	86th St NE (Pembina 502) & Interstate 29 SB Ramps		*			*	*		***	\$	12,000
9	1.03	101st St NE (Pembina 1) & 137th Ave NE (Pembina 12)			*		*		*	***	\$	-
10	11.01	84th St NE (Pembina 11) & US 81	*	*			*			***	\$	-
11	11.03	84th St NE (Pembina 11) & Interstate 29 NB Ramps		*		*	*			***	\$	-
12	12.03	ND 5 (W) & 137th Ave NE (Pembina 12)		*			*		*	***	\$	-
13	12.04	ND 5 (E) & 137th Ave NE (Pembina 12)			*		*		*	***	\$	
14	55.05	107th St NE (Pembina 55) & Interstate 29 SB Ramps		*			*		*	***	\$	-
15	500.01	ND 66 & 161st Ave NE (Pembina 500)			*	*			*	***	\$	
16	502.02	86th St NE (Pembina 502) & Interstate 29 NB Ramps	*	*			*			***	\$	-
17	1.06	101st St NE (Pembina 1) & 152nd Ave NE (Pembina 4)					*	*		**	\$	12,000
18	4.01	ND 66 & 155th Ave NE (Pembina 4)					*	*		**	\$	12,000
19	4.02	ND 5 & 152nd Ave NE (Pembina 4)					*	*		**	\$	12,000
20	7.01	81st St NE (Pembina 7) & ND 32					*	*		**	\$	12,000
21	55.02	107th St NE (Pembina 55) & ND 32					*			**	\$	12,000
22	1.07	101st St NE (Pembina 1) & Interstate 29 SB Ramps		*			*			**	\$	-
23	3.03	88th St NE (Pembina 3) & 140th Ave NE (ND 18)					*		*	**	\$	
24	3.06	89th St NE (Pembina 3) & Interstate 29 SB Ramps	*				*		^	**	\$	
25	11.02	84th St NE (Pembina 11) & Interstate 29 SB Ramps	^	*			*			**	\$	
26	12.02	91st St NE & 135th Ave NE (Pembina 12)					*		*	**	\$	
27	55.04	107th St NE (Pembina 55) & ND 18					*		*	**	\$	
28	507.01	93rd ST NE & Interstate 29 SB Ramps		*			<u> </u>		*	**	\$	<u> </u>
29	507.01	93rd ST NE & Interstate 29 SB Ramps		*			*			**	\$	
30	511.01	ND 5 160th 1/2 Ave NE		*		*	<u>*</u>			**	\$	
30	511.01	7th St & ND 18	*			×			*	**		
32			*				*		*	**	\$	
-	1.02	101st St NE (Pembina 1) & 135th Ave NE (Pembina 518)									\$	-
33 34	2.02	141st Ave NE (Pembina 2) & 107th St NE (Pembina 55)					*			*	\$	-
35	3.01 3.02	88th St NE (Pembina 3) & ND 32					*			*	\$	-
36	3.04	88th St NE (Pembina 3) & 135th Ave NE (Pembina 12)					*				\$	
		88th St NE (Pembina 3) & 148th Ave NE (US 81) SOUTH								*		-
37	3.05	89th St NE (Pembina 3) & 148th Ave NE (US 81) NORTH					*			*	\$	-
38	9.01	104th St NE (Pembina 9) & 135th Ave NE (Pembina 12)					*			*	\$	-
39	11.04	84th St NE (Pembina 11) & 161st Ave NE				*				*	\$	-
40	12.01	ND 66 & 135th Ave NE (Pembina 12)					*			*		-
41	55.03	107th St NE (Pembina 55) & 135th Ave NE (Pembina 55)					*			*	\$	-
42	505.01	92nd St NE (Pembina 505) & ND 32					*			*	\$	-
43	506.01	93rd St NE & 160th Ave NE	*							*	\$	-
44	509.01	ND 5 & 135th 1/2 Ave NE		*						*	\$	-
45	6.01	92nd St NE (Pembina 6) & 127th Ave NE									\$	-
46	503.01	91st St NE (Pembina 503) & 133rd Ave NE									\$	-
47	504.01	92nd St NE (Pembina 504) & 133rd Ave NE Total Sta			4		39				\$	-

Totals % That Gets Star 17% 26% 9% 9% 83% 26% 30%	
70 That Good Gtal 1170 2070 070 0070 2070	
# %	
****** 0 0% Stars	
****** 0 0% Skew - If intersection is skewed at an angle of 20 degrees or greater.	
***** 1 2% On/Near Curve - If intersection is on or within 1,000 feet of curve.	
**** 0 0% Development - If intersection aerial shows a commercial development with access near intersection	ion.
*** 15 32% RR Xing - If intersection has a railroad crossing on any approach within 500 feet.	
★★ 15 32% Previous STOP (>5 mi) - If vehicles approaching the stop control have not had a previous stop along the roa	adway within 5 miles
★ 13 28% Total Crashes - If intersection has at least 1 crash.	
- 3 6% ADT Cross Product - If intersection has an ADT cross product >100,000.	
47 100%	

HIGHWAY SAFETY IN			M (HSIP) PROJ	ECT APPLIC	CATION		
North Dakota Department of ⁻ SFN 59959 (06-2011)							
Agency Name: Contact Name: Email Address:	Pembina Troy Kitte	elson	(Pembina 2) 8	ND I	Ave NE (DOT District one Number	: 6	
Please attach a location map(s).			urther describe your pro	oject			
Location Description					CHCD E-		rea (check all that apply)
Configuration: Configuration (2): Urban/Rural: County: Entering ADT:	Undivided Rural Pembina	Traffic Control Device: Street Lights: Flashers: Major Entering ADT: Minor Entering ADT:	Yes No #N/A		Reduce Alcoh Increase the L Younger Drive Curb Aggressi Improvements	ol Impaire Jse of Sar er/Older D ive Drivin s to Addre nergency	ed Driving fety Restraints for all Occupants briver Safety g ess Lane Departure Crashes Medical Capabilities to Increase Survivabili
Describe Current Safety	Issues & S	Systemic Ranking	Review				
North Dakota TBD, 2008 - 2012		5	years				
	Total	Angle	K+A				
Crashes		0	0.00				
Rate (per MVM)	0.0	0.0	0.0	_			
2.	Value	Critical	Risk Ranking				
Skew On/Near Curve		Yes Yes	* *		7.14		1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/
Development		Yes	*				THE PARTY OF THE P
Near RR Crossing		Yes					一种是
Distance from previous STOP Volume Cross Product Total Crashes	Yes	Yes ≥ 100,000 >0	*				
			****		A Section of	An .	
Describe Proposed Safet	y Improve	ements					
	Description	Unit Cost		Units	Cost	Notes -	Segment projects suggested on other
F	Roundabout		per intersection	0	\$0.00	sheets.	cogmon projecte caggested on calci
Direction Mainline Dynamic W	onal Median		per intersection per intersection	0 1	\$0.00 \$50,000.00		
•	ose Median		per intersection	0	\$0.00		
	Street Lights e Stop Sign		per street light per sign	Installed 1	\$0.00 \$350.00		
Upgrade Ju			per sign	1	\$350.00		
Upgrade Stop			per sign	1	\$450.00		
Upgrade Stop Ahe	ead Marking de Stop Bar		per marking per marking	1 1	\$450.00 \$250.00		
Review Sigr		· ·	per intersection	0	\$0.00		
Ciana and Madrings and Chast I	:			-4	\$51,850.00		
Signs and Markings and Street L Project Cost Estimate (at	tach deta	iled copy)	er of minor legs associa		Year of Con	structio	on
Feo Local Match (10% of Total p	deral Funds	\$46,665 \$5,105					
	oject Cost	\$5,185 \$51,850	-				
		, , , , , , , , , , , , , , , , , , ,					
NDDOT Central Office Or Project Accepted?		□ No.	Deference Number			ID Num	bhar
Notes	☐ Yes	□No	Reference Number			ID Num	ibei
							Page: 1 Intersection ID: 2.01
							Date: 10/23/2013

HIGHWAY SAFETY IN	/PROVE	MENT PROGRA	M (HSIP) PROJE	ECT APPLI	CATION			
North Dakota Department of SFN 59959 (06-2011)	Transporta	tion Programming	. ,					
		101st St NE (P	embina 1) & 1		•	•		
Agency Name:					DOT District		00	
Contact Name:				i elepn	one Number	: 701-265-42	08	
Email Address: Please attach a location map(s).			urther describe vour pro	iect				
Location Description	Tou may u	Se additional sheets to h	urtrier describe your pro	ijoot				
					SHSP Er	mphasis Area (cl	neck all that apply)	
			-			ol Impaired Driv	S	
Configuration: Configuration (2):		Traffic Control Device: Street Lights:	•			Jse of Safety Re er/Older Driver S	estraints for all Occupants	
Urban/Rural:		Flashers:			Curb Aggress		alety	
	Pembina	Major Entering ADT:					e Departure Crashes	
Entering ADT:	670	Minor Entering ADT:	#N/A				al Capabilities to Increase	Survivability
				✓	Improve Inters	section Safety		
Describe Current Safety	Issues &	Systemic Ranking	Review					
North Dakota TBD, 2008 - 2012			years					
	Total	Anala	KιΛ					
Crashes	Total 1	Angle 1	K+A 1.00	_				
Rate (per MVM)		0.8	0.8	<u></u>				
					JAMP ASS			
					ATTENDED BY			
	Value	Critical	Risk Ranking		Author of the state		The said	
Skew		Yes						
On/Near Curve	No	Yes					A STATE OF THE REAL PROPERTY.	
Development		Yes						
Near RR Crossing Distance from previous STOP		Yes Yes	*					
Volume Cross Product		≥ 100,000	*		1			
Total Crashes	1	>0	*					

Describe Proposed Safet	y Improv	ements						
	Description	Unit Cost		Units	Cost	Notes -		
	Roundabout		per intersection	0	\$0.00			
	onal Median	. ,	per intersection	0	\$0.00			
Mainline Dynamic W	arning Sign ose Median		per intersection per intersection	0 0	\$0.00 \$0.00			
	Street Lights		per street light	1	\$6,000.00			
Upgrade	e Stop Šign	\$350	per sign	2	\$700.00			
	Inction Sign		per sign	2	\$700.00			
Upgrade Stop A Upgrade Stop Ahe			per sign per marking	2 2	\$900.00 \$900.00			
	de Stop Bar		per marking	2	\$500.00			
Review Sigr	ns and CST	\$2,450	per intersection	0	\$0.00			
Signs and Markings and Street L	ight project	costs vary by the numb	er of minor legs associa	ated with the inte	\$9,700.00			
Project Cost Estimate (at			or or minor logo accoola		Year of Con	struction		
	deral Funds							
Local Match (10% of Total p	oject Cost		-					
Totaliik	7001 0031	ψ3,700						
NDDOT Central Office Or								
Project Accepted?	Yes	□No	Reference Number			ID Number		
Notes								
							Page: 2	
						Inte	ersection ID: 1.04	
							Date: 10/23/2013	

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakkota patriment of Transportation Programming SNV 00009 (00-2011) Agency Name: Pembina County Contact Name: Troy Kittelson Freighnen Number: 701-265-4208 Femail Address: pembhwy@nd.gov Passes attain % 000000 majol. You have be obtioned involved to further describe your project Cocation Description Configuration: X Configur									
SPIN 59998 (02-2011) Agency Name: Pembina County Contact Name: Troy Kittelson Email Address: pembhry@Addov Posse attach a become majok) You may use additional shorted to further describe your project Location Description Configuration X Major Emerity ADT: 870 Major Emerity				M (HSIP) PROJ	ECT APPLI	CATION			
Agency Name: Pemblina County Contact Name: Troy Kitelson Email Address: pambhwy @nd.gov Please attach a control morphy; Var mary use additional streets to further describe your project Location Description Configuration: X Configuration: Rivaria Undersoftware: Rivaria Control Pemblina Entering ADT: 1707 Major Entering ADT: 407 Major E		Tarisportati							
Contact Name: Troy Kitelson Telephone Number: 701-265-4208			ND 5	& 127th Ave	NE (Pemb	oina 6)			
Email Address: pembhwy @nd.gov Places attain a location mapple). You may use additional sheets to further describe your project Configuration: 2X							-		
Please attach a location map(s). You may use additional sheets to further describe your project Location Description Configuration: X Sheet Lights: No Sheet Lights: No Sheet Lights: No Configuration: X Sheet		•			Teleph	none Number	: 701-265-42	208	
SHSP Emphasis Area (check all that apply)				urther describe your pro	piect				
SHSP Emphase Acchools Implayed Driving Configuration: X Truffic Control Device: Thru/Stop Reduce Alchool Implained Driving Configuration: X Truffic Control Device: Thru/Stop Reduce Alchool Implained Driving Country Pembrian Major Entering ADT: 405 Reduce Alchool Implained Driving Country Pembrian Major Entering ADT: 4105 Reduce Address Lane Departure Crashes Entering ADT: 1275 Minor Entering ADT: 4105 Reduce Address Lane Departure Crashes Entering ADT: 4105 Reduce Address Lane Departure Crashes Entering ADT: 405		Tou may us	e additional streets to h	urtrier describe your pro	<u> Эјест</u>				
Configuration X, Individued Contiguation (2) United States (1982) No.									
Configuration (2): Undivided UltranRural: Risahers: No UntranRural: Furnity Perminal Major Entering ADT: 475 UntransPursi Perminal Permi	Configuration	v	Troffic Control Dovices	Thru/Ston			•	•	
UtbanRural Rural County, Pembina Entering ADT: 1275 Million Entering ADT: 405 Describe Current Safety Issues & Systemic Ranking Review North Datola T6D, 2008 - 2012 Total Angle K+A Crashes 1 0 0 0.00 Rate (per MVM) 0.4 0.0 0.0 Rate (per MVM) 0.4 0.0 0.0 Skew No Yes OnNear Curre No Yes Near Rit Crossing No Yes Volume Cross Product Yes > 100,000 * * Total Crashes 1 0 0 0.00 Skew No Yes OnNear Curre No Yes Near Rit Crossing No Yes Olstance from previous STOP Yes > 1 0.00 Distance from previous STOP Yes > 1 0.00 Describe Proposed Safety Improvements Describe Proposed Safety Improvements Describe Proposed Safety Improvements Describe Proposed Safety Improvements Directional Median Systom Systom Systom Operations of Stopping Systom Systom Operations of Stopping Systom Systom Operation Systom Operation Operation Operation Systom Operation				•					
Entering ADT: 1275 Minor Entering ADT: 405			•			Curb Aggressi	ve Driving	•	
Describe Current Safety Issues & Systemic Ranking Review North Dakota TBD, 2008 - 2012 Syears	•					•		•	
Describe Current Safety Issues & Systemic Ranking Review	Entering ADT:	12/5	Minor Entering ADT:	405				al Capabilities to increase Su	rvivability
North Dakota TBD, 2008 - 2012									
Crashes 1		ssues & S							
Crashes 1	North Dakota 1BD, 2008 - 2012		5	years					
Rate (per MVM) 0.4 0.0 0.0 0.0									
Skew Value			₹						
Skew No	rtate (per ivivivi)	0.4	0.0	0.0		200 miles			
Skew No							Mary Mary		
Skew No		\	0-241	Diele Decelie					
Development No	Skew			RISK Ranking					
Near RR Crossing No						The second	5500		
Distance from previous STOP Yes	·	No				C		THE RESIDENCE	
Volume Cross Product								100000	
Total Crashes	•			*				A STANSFER	
Describle Proposed Safety Improvements			,	**		4000			
Description				***		和 和 和			
Description	Describe Proposed Safety	/ Improve	ements						
Roundabout \$1,000,000 per intersection 0 \$0.00									
Directional Median \$750,000 per intersection 0 \$0.00				per intersection			_Notes -		
Section Sect				•					
Installing Street Lights \$6,000 per street light 1 \$6,000.00	-			•					
Upgrade Stop Šign \$350 per sign 2 \$700.00 Upgrade Stop Alead Sign \$450 per sign 2 \$900.00 Upgrade Stop Alead Sign \$450 per sign 2 \$900.00 Upgrade Stop Alead Marking \$450 per marking 2 \$900.00 Upgrade Stop Bar \$250 per marking 2 \$900.00 Upgrade Stop Bar \$250 per marking 2 \$900.00 Review Signs and CST \$2,450 per intersection 0 \$0.00 Stop 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)				•					
Upgrade Stop Ahead Marking \$450 per sign 2 \$900.00 Upgrade Stop Ahead Marking \$450 per marking 2 \$900.00 Upgrade Stop Bar \$250 per marking 2 \$500.00 Review Signs and CST \$2,450 per intersection 0 \$0.00 S59,700.00 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 Federal Funds \$53,730 Local Match (10% of Total project cost) \$5,970 Total Project Cost \$59,700 NDDOT Central Office Only Project Accepted?						* - /			
Upgrade Stop Ahead Marking Upgrade Stop Bar S250 per marking S250 per mark									
Upgrade Stop Bar Review Signs and CST \$250 per marking 2 \$500.00									
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) Federal Funds \$53,730 Local Match (10% of Total project cost) \$5,970 Total Project Cost \$59,700 NDDOT Central Office Only Project Accepted? Yes No Reference Number ID Number Page: 3 Intersection ID: 6.02	1.0								
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) Federal Funds \$53,730 Local Match (10% of Total project cost) \$5,970 Total Project Cost \$59,700 NDDOT Central Office Only Project Accepted? Yes No Reference Number ID Number Notes Page: 3 Intersection ID: 6.02	Review Sign	s and CST	\$2,450	per intersection	0		_		
Project Cost Estimate (attach detailed copy) Federal Funds \$53,730 Local Match (10% of Total project cost) \$5,970 Total Project Cost \$59,700 NDDOT Central Office Only Project Accepted?	Signs and Markings and Street Li	iaht project (costs vary by the numb	er of minor leas associa	ated with the inte				
Local Match (10% of Total project cost) \$5,970 Total Project Cost \$59,700 NDDOT Central Office Only Project Accepted?				or or minor logo decode			struction		
Local Match (10% of Total project cost) \$5,970 Total Project Cost \$59,700 NDDOT Central Office Only Project Accepted?			*						
NDDOT Central Office Only Project Accepted?									
NDDOT Central Office Only Project Accepted?				-					
Project Accepted? Yes No Reference Number ID Number Notes Page: 3 Intersection ID: 6.02		<u> </u>	. ,						
Notes Page: 3 Intersection ID: 6.02				Deference Number			ID November	T	
Page: 3 Intersection ID: 6.02	, ,	⊔ Yes L		Reference Number			ID Number		
Intersection ID: 6.02									
Intersection ID: 6.02									
Intersection ID: 6.02									
								Page: 3	
							Inte		

HIGHWAY SAFETY IN	IPROVE	MENT PROGRA	M (HSIP) PROJEC	CT APPLIC	CATION	
North Dakota Department of ⁻ SFN 59959 (06-2011)		tion Programming	, ,			
		89th St NE (F	Pembina 3) & In	terstate :	29 NB Ra	amps
Agency Name:					DOT Distric	
Contact Name:	-			Teleph	one Numbe	er: 701-265-4208
Email Address:			urthar dagariba yayır praia	o.t		
Please attach a location map(s). Location Description	You may us	se additional sheets to the	urther describe your proje	CI		
Location Description					SHSP E	Emphasis Area (check all that apply)
						hol Impaired Driving
Configuration:		Traffic Control Device:	•			Use of Safety Restraints for all Occupants
Configuration (2): Urban/Rural:		Street Lights: Flashers:			Curb Aggress	/er/Older Driver Safety
	Pembina	Major Entering ADT:				ts to Address Lane Departure Crashes
Entering ADT:	70	Minor Entering ADT:	35		Enhancing E	mergency Medical Capabilities to Increase Survivability
				✓	Improve Inter	rsection Safety
Describe Current Safety I	ssues & :	Svstemic Ranking	Review			
North Dakota TBD, 2008 - 2012			years			
	Total	Anglo	Κ±Λ	1	70 // -	ALCONOMIC TO THE STATE OF THE S
Crashes	Total 1	Angle 0	K+A 0.00	-		100 100
Rate (per MVM)		0.0	0.0	_		
	Value	Critical	Risk Ranking		49 11 11	
Skew		Yes	*	_		
On/Near Curve	No	Yes			MIN NO	
Development		Yes				
Near RR Crossing Distance from previous STOP		Yes Yes	+			
Volume Cross Product		≥ 100,000	^			
Total Crashes	1	>0	*	_		
			***	I		
Describe Proposed Safet	y Improve	ements				
	Description	Unit Cost		Units	Cost	Notes -
F	Roundabout		per intersection	0	\$0.00	
	onal Median		per intersection	0	\$0.00	
Mainline Dynamic W	arning Sign ose Median		per intersection per intersection	0 0	\$0.00 \$0.00	
	treet Lights	,	per street light	0	\$0.00	
	e Stop Šign		per sign	2	\$700.00	
Upgrade Ju Upgrade Stop			per sign	2	\$700.00	
Upgrade Stop Ahe			per sign per marking	2 2	\$900.00 \$900.00	
	de Stop Bar		per marking	2	\$500.00	
Review Sigr	is and CST	\$2,450	per intersection	0	\$0.00	
Signs and Markings and Street L	iaht project	costs vary by the numb	er of minor legs associate	d with the inter	\$3,700.00 section.	
Project Cost Estimate (at					Year of Cor	nstruction
	deral Funds	\$3,330 \$370				
Local Match (10% of Total p Total Pro	oject Cost	\$370 \$3,700	=			
		ψο,: σσ				
NDDOT Central Office On						Tree section 1
Project Accepted? Notes	Yes	□No	Reference Number			ID Number
Notes						
						Page: 4
						Intersection ID: 3.07
						Date: 10/23/2013

HIGHWAY SAFETY IN	IPROVE	MENT PROGRA	M (HSIP) PROJE	CT APPLI	CATION		
North Dakota Department of ⁻ SFN 59959 (06-2011)			im (11011) 1 1100L	OT ALL EN	OATION		
		101st St	NE (Pembina	1) & 127t	h Ave NE		
Agency Name:					DOT District		
Contact Name:				Teleph	one Number	: 701-265-42	08
Email Address: Please attach a location map(s).			urthar dagariba yayır prais	ant.			
Location Description	You may us	se additional sheets to h	urther describe your proje	ect			
Location Description				1	SHSP Er	nphasis Area (cl	neck all that apply)
						ol Impaired Driv	•
Configuration:		Traffic Control Device:	•				estraints for all Occupants
Configuration (2): Urban/Rural:		Street Lights: Flashers:			Curb Aggress	er/Older Driver S ive Drivina	arety
	Pembina	Major Entering ADT:					e Departure Crashes
Entering ADT:	1117	Minor Entering ADT:	122				al Capabilities to Increase Survivability
				V	Improve Inters	section Safety	
Describe Current Safety I	ssues &	Systemic Ranking	Review				
North Dakota TBD, 2008 - 2012			years				
	Total	Analo	KιΛ				
Crashes	Total 1	Angle 0	K+A 0.00	_			
Rate (per MVM)		0.0	0.0				
					e i	Sec. and	1000 1000
	Value	Critical	Risk Ranking		14		
Skew		Yes		_			
On/Near Curve		Yes			The same of	10000	
Development		Yes Yes				SOUTH IN	
Near RR Crossing Distance from previous STOP		Yes	*				Name of Street
Volume Cross Product		≥ 100,000	*		DEC ARK	THE PERSON NAMED IN	The second second
Total Crashes	1	>0	*	<u> </u>		Ascent h	

Describe Proposed Safet	y Improve	ements					
	Description	Unit Cost		Units	Cost	Notes -	
	Roundabout	\$1,000,000	per intersection	0	\$0.00		
	onal Median	. ,	per intersection	0	\$0.00		
Mainline Dynamic W	ose Median		per intersection per intersection	0 0	\$0.00 \$0.00		
Installing S	treet Lights	\$6,000	per street light	1	\$6,000.00		
	e Stop Sign		per sign	2	\$700.00		
Upgrade Ju Upgrade Stop			per sign per sign	2 2	\$700.00 \$900.00		
Upgrade Stop Ahe			per marking	1	\$450.00		
	de Stop Bar		per marking	2	\$500.00		
Review Sigr	is and CST	\$2,450	per intersection	0	\$0.00 \$9,250.00	_	
Signs and Markings and Street L	iaht proiect	costs vary by the numb	er of minor legs associate	ed with the inte	. ,		
Project Cost Estimate (at					Year of Con	struction	
Fed Local Match (10% of Total p	deral Funds	\$8,325 \$925					
	oject Cost		-				
NDDOT Central Office On							
Project Accepted? Notes	Yes	□No	Reference Number			ID Number	
Notes							
							Page: 5
						Inte	ersection ID: 1.01
							Date: 10/23/2013

HIGHWAY SAFETY IMPROVE! North Dakota Department of Transportati		M (HSIP) PROJE	CT APPLIC	CATION	
SFN 59959 (06-2011)					
		(Pembina 1) &		-	-
Agency Name: Pembina				DOT District	
Contact Name: Troy Kitte			Telepho	one Number	: 701-265-4208
Email Address: pembhwy Please attach a location map(s). You may use		urther describe your proje	ect		
Location Description		artiror decembe year proje	701		
Configuration: X Configuration (2): Undivided Urban/Rural: Rural	Traffic Control Device: Street Lights: Flashers:	: No		Reduce Alcoh Increase the U	nphasis Area (check all that apply) ol Impaired Driving Jse of Safety Restraints for all Occupants er/Older Driver Safety ive Driving
County: Pembina Entering ADT: 740	Major Entering ADT: Minor Entering ADT:			•	to Address Lane Departure Crashes nergency Medical Capabilities to Increase Survivability section Safety
Describe Current Safety Issues & S	Systemic Ranking	Review			
North Dakota TBD, 2008 - 2012		years			
Total	Angle	K+A		7.50	The second secon
Crashes 1	0	0.00	-	THE REAL PROPERTY.	
Rate (per MVM) 0.7	0.0	0.0	_	THE REAL PROPERTY.	THE RESERVE TO SERVE THE PARTY OF THE PARTY
				tation has	
Value	Critical	Risk Ranking	_		
Skew No On/Near Curve No	Yes Yes			WHITE IS	THE RESERVE
Development No	Yes				
Near RR Crossing No	Yes				
Distance from previous STOP Yes Volume Cross Product Yes	Yes ≥ 100,000	*			
Total Crashes 1	≥ 100,000 >0	*			
		***	- I		
Describe Proposed Safety Improve	ments				
Describe Froposed Garety improve	monto				
Description	Unit Cost		Units	Cost	Notes - Segment projects suggested on other
Roundabout Directional Median		per intersection per intersection	0 0	\$0.00 \$0.00	sheets.
Mainline Dynamic Warning Sign		per intersection	Ö	\$0.00	
Close Median		per intersection	0	\$0.00	
Installing Street Lights Upgrade Stop Sign		per street light per sign	1 2	\$6,000.00 \$700.00	
Upgrade Junction Sign		per sign	2	\$700.00	
Upgrade Stop Ahead Sign		per sign	2	\$900.00	
Upgrade Stop Ahead Marking		per marking	2	\$900.00	
Upgrade Stop Bar Review Signs and CST		per marking per intersection	2 0	\$500.00 \$0.00	
Neview Signs and CS1	Ψ2,430	permitersection	0	\$9,700.00	_
Signs and Markings and Street Light project of		er of minor legs associate			
Project Cost Estimate (attach detail	<i>iea copy)</i>		Proposea	Year of Con	struction
Federal Funds	\$8,730				
Local Match (10% of Total project cost)	\$970 CO 700	_			
Total Project Cost	\$9,700				
NDDOT Central Office Only			+		
, ,	□No	Reference Number			ID Number
Notes					
					Page: 6
					Intersection ID: 1.05
Ī					Date: 10/23/2013

HIGHWAY SAFETY IN	IPROVE	MENT PROGRA	M (HSIP) PROJE	ECT APPLIC	ΔΤΙΟΝ		
North Dakota Department of ⁻ SFN 59959 (06-2011)		tion Programming	. ,				
		101st St NE (Pembina 1) &	Interstate 2	29 NB R	amps	
Agency Name:					OT District		
Contact Name:				Telepho	ne Numbei	er: 701-265-4208	
Email Address: Please attach a location map(s).			urther describe vour pro	niect			
Location Description	Tou may us	se additional sheets to h	artifier describe your pro	Ject			
Configuration: Configuration (2): Urban/Rural:	Undivided Rural Pembina	Traffic Control Device: Street Lights: Flashers: Major Entering ADT: Minor Entering ADT:	No No 60		Reduce Alcoh Increase the U Younger Drive Curb Aggress Improvements Enhancing Er	imphasis Area (check all that apply) hol Impaired Driving Use of Safety Restraints for all Occupants ver/Older Driver Safety sive Driving ts to Address Lane Departure Crashes mergency Medical Capabilities to Increase S rsection Safety	Survivability
Describe Current Safety I	ssues &	Systemic Ranking	Review				
North Dakota TBD, 2008 - 2012			years				
	Total	Angle	K+A				
Crashes		0	0.00	_ ,		WELL STATE OF THE	
Rate (per MVM)	5.5	0.0	0.0	_ //			
	Value	Critical	Risk Ranking				
Skew		Yes	<u></u> ★			The state of the s	
On/Near Curve		Yes					
Development Near RR Crossing		Yes Yes					
Distance from previous STOP		Yes	*				
Volume Cross Product		≥ 100,000					
Total Crashes	1	>0	*		EMIN I		
			^^^	_			
Describe Proposed Safet	y Improve	ements					
	Description	Unit Cost		Units	Cost	Notes - Segment projects suggested on	other
	Roundabout		per intersection	0	\$0.00	sheets.	
Mainline Dynamic W	onal Median		per intersection per intersection	0 0	\$0.00 \$0.00		
	ose Median		per intersection	0	\$0.00		
	treet Lights		per street light	0 2	\$0.00		
Upgrade Ju	e Stop Sign		per sign per sign	2	\$700.00 \$700.00		
Upgrade Stop	Ahead Sign	\$450	per sign	2	\$900.00		
Upgrade Stop Ahe	•		per marking	2	\$900.00		
Review Sign	de Stop Bar	·	per marking per intersection	2 0	\$500.00 \$0.00		
		· ,	•		\$3,700.00	_	
Signs and Markings and Street L Project Cost Estimate (at			er of minor legs associa	red with the inters		nstruction	
1 Toject Cost Estimate (at	lacii uela	печ сору)		1 Toposed I	ear or con	istraction	
	deral Funds	\$3,330					
Local Match (10% of Total pro	roject cost) oject Cost	\$370 \$3,700	_				
Totaliic	nject Cost	ψ5,100					
NDDOT Central Office On							
Project Accepted? Notes	Yes	□No	Reference Number			ID Number	
Notes							
						Page: 7	
						Intersection ID: 1.08 Date: 10/23/2013	

HIGHWAY SAFETY IMF North Dakota Department of Tr			M (HSIP) PROJE	ECT APPLIC	ATION		
SFN 59959 (06-2011)							
	8	6th St NE (Pe	embina 502) &	Interstate	29 SB R	lamps	
Agency Name: F					OOT Distric	-	
Contact Name: T	•			Telepho	one Numbe	r: 701-265-420	08
Email Address: p Please attach a location map(s). Y			uther describe your pro	iect			
Location Description	ou may use	additional sheets to it	urtifici describe your pro	iject .			
							neck all that apply)
Configuration: V	, ,	Fraffia Control Dovico:	Thru/Ston			nol Impaired Drivi	O .
Configuration: X Configuration (2): U		Fraffic Control Device: Street Lights:	•			er/Older Driver S	straints for all Occupants afetv
Urban/Rural: R		Flashers:			Curb Aggress	sive Driving	•
County: P		Major Entering ADT:			•		e Departure Crashes
Entering ADT: 8	5	Minor Entering ADT:	25			mergency Medica section Safety	al Capabilities to Increase Survivability
Describe Current Safety Is North Dakota TBD, 2008 - 2012	sues & Sy						
NOILII Dakola 16D, 2000 - 2012		5	years				
	Total	Angle	K+A	_ 1		- 4P2	
Crashes Rate (per MVM)	1 6.4	0 0.0	0.00 0.0				
ixate (per ivivivi)	0.4	0.0	0.0	_	A CO		
					. 9:	A AMILIA	
Skew	Value No	Critical Yes	Risk Ranking	_			
On/Near Curve	Yes	Yes	*				NC
Development	No	Yes				The same of	The second secon
Near RR Crossing	No	Yes					
Distance from previous STOP Volume Cross Product	Yes No	Yes ≥ 100,000	*				
Total Crashes	1	>0	*				
			***			Will all Marketing Land	
Describe Proposed Safety	Improver	nents					
-							
	escription oundabout	Unit Cost \$1,000,000	per intersection	Units 0	Cost \$0.00	Notes - Segme sheets.	ent projects suggested on other
	al Median		per intersection	0	\$0.00	Sileets.	
Mainline Dynamic War			per intersection	0	\$0.00		
Clos Installing Str	se Median		per intersection per street light	0	\$0.00 \$0.00		
Upgrade S			per sign	2	\$700.00		
Upgrade June			per sign	2	\$700.00		
Upgrade Stop Al Upgrade Stop Ahea			per sign per marking	2 2	\$900.00 \$900.00		
10	Stop Bar		per marking	2	\$500.00		
Review Signs	and CST	\$2,450	per intersection	0	\$0.00		
Signs and Markings and Street Lig	aht project co	osts vary by the numb	er of minor legs associa	ated with the inters	\$3,700.00 section		
Project Cost Estimate (atta			<u> </u>	Proposed `		struction	
		40.000					
Fede Local Match (10% of Total pro	eral Funds	\$3,330 \$370					
Total Proje		\$3,700	=				
NDDOT Central Office Only Project Accepted?] No	Deference Number			ID Number	T
Notes		JNO	Reference Number			ID Number	<u> </u>
							Page: 8
						Inte	rsection ID: 502.01 Date: 10/23/2013

HIGHWAY SAFETY IN	MPROVE	MENT PROGRA	M (HSIP) PROJE	CT APPLI	CATION			
North Dakota Department of SFN 59959 (06-2011)	Transporta	tion Programming	, ,					
	1	101st St NE (Pe	embina 1) & 13	7th Ave	NE (Pemb	ina 12)		
Agency Name					DOT Distric			
Contact Name:	-			Teleph	none Numbe	r: 701-265-42	208	
Email Address: Please attach a location map(s)			urthar dasariba yaur proje	oot				
Location Description	i. You may u	ise additional sheets to i	urtrier describe your proje	eci				
Location Description				1	SHSP E	mphasis Area (c	heck all that apply)	
						nol Impaired Driv		
Configuration		Traffic Control Device:				,	estraints for all Occupa	nts
Configuration (2) Urban/Rural		Street Lights: Flashers:			Younger Drive Curb Aggress	er/Older Driver S	Safety	
	: Pembina	Major Entering ADT:					ne Departure Crashes	
Entering ADT		Minor Entering ADT:					al Capabilities to Increa	ase Survivability
				✓	Improve Inter	section Safety		
Describe Current Safety	Issues &	Systemic Panking	Poviow					
North Dakota TBD, 2008 - 2012			years					
			,					
	Total	Angle	K+A				5 50 7 8	70
Crashes Rate (per MVM		0 0.0	0.00 0.0					
rate (per ivivivi) 0.0	0.0	0.0					10
					as Is a			No.
					200		Se FILL	The state of the s
Clean	Value	Critical	Risk Ranking					
Skew On/Near Curve		Yes Yes						
Developmen		Yes	*		. to mail the said		9	16.
Near RR Crossing		Yes			material control			100
Distance from previous STOF		Yes	*					19
Volume Cross Produc Total Crashes		≥ 100,000 >0	*					
Total Grasiles	, 0		***				S - 11-01	H
Describe Proposed Safe	ty Improv	ements						
	Description	Unit Cost		Units	Cost	Notes -		
	Roundabout		per intersection	0	\$0.00	_		
	onal Median		per intersection	0	\$0.00			
Mainline Dynamic V	varning Sign Iose Median		per intersection per intersection	0 0	\$0.00 \$0.00			
	Street Lights		per street light	1	\$6,000.00			
	de Stop Šign		per sign	2	\$700.00			
	unction Sign		per sign	2	\$700.00			
Upgrade Stop Upgrade Stop Ah			per sign per marking	2 1	\$900.00 \$450.00			
	ide Stop Bar		per marking	1	\$250.00			
Review Sig	ins and CST	\$2,450	per intersection	0	\$0.00	_		
Signs and Markings and Street	Light project	t costs yary by the numb	or of minor logo accoriate	ad with the inte	\$9,000.00			
Signs and Markings and Street Project Cost Estimate (a			er or minor legs associate		Year of Con	struction		
r rojour occi zaminic (u	110077 0010							
Fe	deral Funds							
Local Match (10% of Total			-					
Total Pr	oject Cost	\$9,000						
NDDOT Central Office Of	nly							
Project Accepted?	Yes	□No	Reference Number			ID Number		
Notes								
							Page: 9	
						Into	ersection ID: 1.03 Date: 10/23/20	12

HIGHWAY SAFETY IN	/PROVE	MENT PROGRA	M (HSIP) PROJEC	Τ ΔΡΡΙ Ι	ICATION		
North Dakota Department of SFN 59959 (06-2011)			(11011) 1 110020	. ,			
		84th	St NE (Pembina	11) &	US 81		
Agency Name:					DOT Distric	•	
Contact Name:				Telepi	hone Numbe	r: 701-265-42	08
Email Address: Please attach a location map(s).			urther describe your project				
Location Description	Tou may us	se additional sheets to h	urrier describe your project				
Location Description					SHSP E	mphasis Area (c	heck all that apply)
						nol Impaired Driv	•
Configuration: Configuration (2):		Traffic Control Device: Street Lights:				Jse of Safety Re er/Older Driver S	estraints for all Occupants
Urban/Rural:		Flashers:			Curb Aggress		salety
	Pembina	Major Entering ADT:					ne Departure Crashes
Entering ADT:	635	Minor Entering ADT:	105				al Capabilities to Increase Survivabilit
				✓	improve inter	section Safety	
Describe Current Safety	Issues & :	Systemic Ranking	Review				
North Dakota TBD, 2008 - 2012			years				
	Total	Angle	K+A				
Crashes		Angle 0	0.00				
Rate (per MVM)		0.0	0.0			19	
						11/1	\$1000 X1300 X10
						//	
	Value	Critical	Risk Ranking				CHURDY, P. L. C.
Skew	Yes	Yes	*			9 18	TO A COMMENT
On/Near Curve		Yes	*			1/0	4MARTE SOL
Development Near RR Crossing		Yes Yes				7 9/1/	THE ST.
Distance from previous STOP		Yes	*				THE RESERVE
Volume Cross Product		≥ 100,000			-		AND RESIDENCE
Total Crashes	0	>0			3		

Describe Proposed Safet	y Improve	ements					
	Description	Unit Cost		Units	Cost	Notes -	
	Roundabout	\$1,000,000	per intersection	0	\$0.00		
	onal Median	. ,	per intersection	0	\$0.00		
Mainline Dynamic W	ose Median		per intersection per intersection	0 0	\$0.00 \$0.00		
	Street Lights		per street light	0	\$0.00		
	e Stop Šign		per sign	2	\$700.00		
Upgrade Ju Upgrade Stop	Inction Sign		per sign	2	\$700.00		
Upgrade Stop Ahe			per sign per marking	2 1	\$900.00 \$450.00		
	de Stop Bar		per marking	1	\$250.00		
Review Sigr	ns and CST	\$2,450	per intersection	0	\$0.00	<u> </u>	
Signs and Markings and Street L	ight project	costs vary by the numb	er of minor legs associated	with the inte	\$3,000.00 ersection		
Project Cost Estimate (at					d Year of Con	struction	
	deral Funds	\$2,700 \$300					
Local Match (10% of Total p Total Pro	oject Cost		_				
NDDOT Central Office Or			·				
Project Accepted? Notes	Yes	□No	Reference Number			ID Number	
Notes							
							Page: 10
						Inte	ersection ID: 11.01
							Date: 10/23/2013

HIGHWAY SAFETY IN	ADROVE	MENT PROGRA	M (HSIP) PRO IE	CT APPLIA	CATION		
North Dakota Department of SFN 59959 (06-2011)			IN (HOIF) FROOL	OT AFFER	BATION		
		84th St NE (P	embina 11) & I	Interstate	29 NB R	amps	
Agency Name:					DOT Distric	•	
Contact Name:	-			Teleph	one Numbe	er: 701-265-42	08
Email Address: Please attach a location map(s).			urther describe your proje	ect			
Location Description	Tou may us	se additional enests to it	untilor december your proje				
,				Τ_			neck all that apply)
Configuration:	X	Traffic Control Device:	Thru/Ston			hol Impaired Driv	ing estraints for all Occupants
Configuration (2):		Street Lights:				er/Older Driver S	
Urban/Rural:	Rural	Flashers:			Curb Aggres		•
-	Pembina	Major Entering ADT:					le Departure Crashes
Entering ADT:	100	Minor Entering ADT:	. 40			mergency Medica rsection Safety	al Capabilities to Increase Survivability
		0 (1 0 1)	5 /		·		
Describe Current Safety I North Dakota TBD, 2008 - 2012			Review syears				
North Dakota 100, 2000 - 2012		9	years				
	Total	Angle	K+A			A III	A SECOND
Crashes Rate (per MVM)		0 0.0	0.00 0.0			15,4/15	
rtato (por mvm)		0.0	0.0		/ Miss		
	\	Outtie - I	Diele Decelie			THE REAL VI	
Skew	Value No	Critical Yes	Risk Ranking				
On/Near Curve		Yes	*		2000	To Marchite V	
Development		Yes					
Near RR Crossing Distance from previous STOP		Yes Yes	*			1/1/	31 (34)
Volume Cross Product		≥ 100,000	*				ZWIEI II
Total Crashes		>0		<u> </u>			
			***			W.C. School Sta	
Describe Proposed Safet	y Improve	ements					
	Description	Unit Cost		Units	Cost	Notes	
F	Roundabout	\$1,000,000	per intersection	0	\$0.00		
	onal Median		per intersection	0	\$0.00		
Mainline Dynamic W	ose Median		per intersection per intersection	0 0	\$0.00 \$0.00		
Installing S	Street Lights	\$6,000	per street light	0	\$0.00		
	e Stop Sign		per sign	2	\$700.00		
Upgrade Ju Upgrade Stop	Inction Sign		per sign per sign	2 2	\$700.00 \$900.00		
Upgrade Stop Ahe			per marking	2	\$900.00		
. •	de Stop Bar	·	per marking	2	\$500.00		
Review Sigr	is and CST	\$2,450	per intersection	0	\$0.00 \$3.700.00		
Signs and Markings and Street L			er of minor legs associate		section.		
Project Cost Estimate (at	tach deta	iled copy)		Proposed	Year of Cor	nstruction	
Fed	deral Funds	\$3,330					
Local Match (10% of Total p			_				
Total Pro	oject Cost	\$3,700					
NDDOT Central Office Or	nly						
Project Accepted?		□No	Reference Number			ID Number	
Notes							
							Daniel 44
						Inte	Page: 11 ersection ID: 11.03
						iiile	Date: 10/23/2013

HIGHWAY SAFETY IN	IPROVE	MENT PROGRA	M (HSIP) PROJE	CT APPLI	CATION		
North Dakota Department of SFN 59959 (06-2011)		tion Programming	, ,				
		ND 5 (V	V) & 137th Ave	NE (Pen	nbina 12)		
Agency Name:					DOT District		
Contact Name:	-			Teleph	none Number	: 701-265-42	08
Email Address:							
Please attach a location map(s).	You may us	se additional sheets to ti	urther describe your proje	ect			
Location Description				T	QUQD Er	mnhaeie Area (ch	neck all that apply)
						ol Impaired Driv	
Configuration:	Χ	Traffic Control Device:	Thru/Stop				straints for all Occupants
Configuration (2):		Street Lights:			•	er/Older Driver S	afety
Urban/Rural:		Flashers:			Curb Aggress		D
County: Entering ADT:	Pembina	Major Entering ADT: Minor Entering ADT:					e Departure Crashes al Capabilities to Increase Survivability
Littering ADT.	1443	Willor Entering ADT.	00		Improve Inters		ar Capabilities to increase Survivability
					,		
Describe Current Safety I							
North Dakota TBD, 2008 - 2012		5	years				
	Total	Angle	K+A		沙里马德尔		10 P C C C C C C C C C C C C C C C C C C
Crashes	0	0	0.00	_	是高語		
Rate (per MVM)	0.0	0.0	0.0	_			THE STATE OF THE S
						A Section 1	
	Value	Critical	Risk Ranking				THAT THE
Skew		Yes	rusk runking	_			6
On/Near Curve	Yes	Yes	*			90	
Development	No	Yes			ut area		
Near RR Crossing		Yes					and the same
Distance from previous STOP		Yes	*			344	
Volume Cross Product Total Crashes		≥ 100,000 >0	*			The same	
Total Gradilos			***	_		2000年	Google earth
D " D 10.6.6		,					
Describe Proposed Safet	y improve	ments					
	Description	Unit Cost		Units	Cost	Notes - Curve	projects suggested on other sheets.
	Roundabout		per intersection	0	\$0.00	_	
	onal Median	,	per intersection	0	\$0.00		
Mainline Dynamic W	arning Sign ose Median		per intersection per intersection	0 0	\$0.00 \$0.00		
	Street Lights		per street light	1	\$6,000.00		
	e Stop Sign		per sign	2	\$700.00		
Upgrade Ju			per sign	2	\$700.00		
Upgrade Stop			per sign	2	\$900.00		
Upgrade Stop Ahe	de Stop Bar		per marking per marking	1 1	\$450.00 \$250.00		
Review Sign			per intersection	0	\$0.00		
			F		\$9,000.00	_	
Signs and Markings and Street L			er of minor legs associate				
Project Cost Estimate (at	tach deta	пед сору)		Proposed	Year of Con	struction	
Fed	deral Funds	\$8,100					
Local Match (10% of Total p		\$900					
Total Pro	ject Cost	\$9,000	•				
NDDOT O (LOW) O	- 1						
NDDOT Central Office Or Project Accepted?		□No	Deference Number	T		ID Number	1
Notes	□ Yes	LI NO	Reference Number			ID Number	
							Page: 12
						Inte	ersection ID: 12.03
						iiic	Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROC North Dakota Department of Transportation Programmin		CT APPLIC	ATION	
SFN 59959 (06-2011)				
ND	5 (E) & 137th Ave	NE (Pemb	oina 12)	
Agency Name: Pembina County			OOT District	
Contact Name: Troy Kittelson		Telepho	one Number	: 701-265-4208
Email Address: pembhwy@nd.gov Please attach a location map(s). You may use additional sheet	to to further describe your proje	ot		
Location Description	is to further describe your proje	Ci		
Location Description		T	SHSP Er	nphasis Area (check all that apply)
			Reduce Alcoh	ol Impaired Driving
Configuration: X Traffic Control Do	evice: Thru/Stop ights: No			Use of Safety Restraints for all Occupants
S ()	shers: No		Curb Aggress	er/Older Driver Safety ive Driving
County: Pembina Major Entering				to Address Lane Departure Crashes
Entering ADT: 1787 Minor Entering	ADT: 137			nergency Medical Capabilities to Increase Survivability
		✓	Improve Inters	section Safety
Describe Current Safety Issues & Systemic Rank	king Review			
North Dakota TBD, 2008 - 2012	5 years			
Total Angle	Κ +Δ		ALSO CALLED TO THE	
Total Angle Crashes 0 0	0.00	-		
Rate (per MVM) 0.0 0.0	0.0	_	DA TOTAL	
			70 y 40 y	
Value Critical	Risk Ranking		斯巴尔西西西西州	100
Skew No Yes	rdok randing	-		
On/Near Curve No Yes				
Development Yes Yes	*		The state of the s	The same of the sa
Near RR Crossing No Yes Distance from previous STOP Yes Yes	_			
Volume Cross Product Yes ≥ 100,000	*		MAILURANTA	Sandard Victoria
Total Crashes 0 >0				And the same of th
	***		THE PERSON	
Describe Proposed Safety Improvements				
Description Unit Cost		Haita	04	Notes Comment and interest and an other
Description Unit Cost Roundabout \$1,000	0,000 per intersection	Units 0	Cost \$0.00	_ Notes - Segment projects suggested on other sheets.
	0,000 per intersection	Ö	\$0.00	Silects.
Mainline Dynamic Warning Sign \$50	0,000 per intersection	0	\$0.00	
	5,000 per intersection	0	\$0.00	
	6,000 per street light \$350 per sign	1 2	\$6,000.00 \$700.00	
	\$350 per sign	2	\$700.00	
	\$450 per sign	2	\$900.00	
	\$450 per marking	1 1	\$450.00	
	\$250 per marking 2,450 per intersection	0	\$250.00 \$0.00	
	,	<u></u>	\$9,000.00	_
Signs and Markings and Street Light project costs vary by the	number of minor legs associate			a formation
Project Cost Estimate (attach detailed copy)		Proposea	Year of Con	struction
Federal Funds \$8,100				
Local Match (10% of Total project cost) \$900				
Total Project Cost \$9,000				
NDDOT Central Office Only		1		
Project Accepted?	Reference Number			ID Number
Notes				
				<u> </u>
				Page: 13 Intersection ID: 12.04
				Date: 10/23/2013

HIGHWAY SAFETY IN	ADDOVE	MENT DDOGDA	M (HSID) DDO IE	CT ADDI I	CATION		
North Dakota Department of SFN 59959 (06-2011)			IW (H3IF) FROJE	CI AFFLI	CATION		
		107th St NE (F	Pembina 55) &	Interstat	e 29 SB R	amps	
Agency Name:					DOT District		
Contact Name:				Telepl	none Number	: 701-265-42	08
Email Address: Please attach a location map(s).			urther describe vour proje	ct			
Location Description	Tou may u	se additional sheets to h	urrier describe your proje				
,				Ι_			neck all that apply)
Configuration:	X	Traffic Control Device:	Thru/Ston			ol Impaired Drivi	ng straints for all Occupants
Configuration (2):		Street Lights:	•			r/Older Driver S	•
Urban/Rural:	Rural	Flashers:			Curb Aggressi		•
County: Entering ADT:	Pembina	Major Entering ADT: Minor Entering ADT:					e Departure Crashes Il Capabilities to Increase Survivability
Entering ADT.	1930	Millor Effelling ADT.	. 633	✓	Improve Inters		ii Capabilities to increase Survivability
D''- O (O(()	1	O	D'				
Describe Current Safety I North Dakota TBD, 2008 - 2012			Review years				
1401ti Dakota 155, 2000 2012		· ·	years				
Carabaa	Total	Angle	K+A	_			
Crashes Rate (per MVM)		0 0.0	0.00 0.0				1
тыс (рег т.т.)				_	- 40		
	Value	Critical	Risk Ranking				
Skew		Yes	RISK Rafikilig	_		THE REAL PROPERTY.	
On/Near Curve		Yes	*		10		
Development		Yes			The state of the s		
Near RR Crossing Distance from previous STOP		Yes Yes	+			3 3 11/1	
Volume Cross Product		≥ 100,000	*				The or
Total Crashes	0	>0		_			The same

Describe Proposed Safet	y Improv	ements					
	Description			Units	Cost	_Notes - Segme	ent and curve projects suggested on
	Roundabout onal Median		per intersection	0 0	\$0.00	other sheets.	
Mainline Dynamic W		,	per intersection per intersection	1	\$0.00 \$50,000.00		
	ose Median		per intersection	0	\$0.00		
	Street Lights e Stop Sign		per street light	2 2	\$12,000.00 \$700.00		
	Inction Sign		per sign per sign	2	\$700.00		
Upgrade Stop	Ahead Sign	\$450	per sign	2	\$900.00		
Upgrade Stop Ahe	•		per marking	2	\$900.00		
Upgrad Review Sigr	de Stop Bar		per marking per intersection	2 0	\$500.00 \$0.00		
-		. ,	•	-	\$65,700.00	_	
Signs and Markings and Street L Project Cost Estimate (at			er of minor legs associate		ersection. If Year of Cons	struction	
1 Toject Cost Estimate (at	tacii ucta	пей сору)		Порозес	rear or con-	Struction	
	deral Funds						
Local Match (10% of Total pro	oroject cost) oject Cost	\$6,570 \$65,700	_				
Totaliid	Ject Cost	ψ05,700					
NDDOT Central Office Or							
Project Accepted? Notes	Yes	□No	Reference Number			ID Number	
Notes							
							Page: 14
						Inte	rsection ID: 55.05
I							Date: 10/23/2013

HIGHWAY SAFETY IN	IDDOVE	MENT DDOGDA	M (HSID) DDO IE	T ADDI I	CATION		
North Dakota Department of SFN 59959 (06-2011)			IW (HSIF) FROSE	JI AFFLIC	DATION		
		ND 66	& 161st Ave NE	E (Pembi	na 500)		
Agency Name:					DOT Distric	•	
Contact Name:				Teleph	one Numbe	r: 701-265-42	208
Email Address: Please attach a location map(s).			urther describe your projec	ct			
Location Description	· ou may us		araner december year projec	<u> </u>			
Configuration: Configuration (2): Urban/Rural: County: Entering ADT:	Undivided Rural Pembina	Traffic Control Device: Street Lights: Flashers: Major Entering ADT: Minor Entering ADT:	Yes No 1763		Reduce Alcoh Increase the U Younger Drive Curb Aggress Improvements Enhancing Er	nol Impaired Driv Use of Safety Re er/Older Driver S sive Driving s to Address Lai	estraints for all Occupants
Describe Current Safety I	SSIIPS & !	Systemic Ranking	Review				
North Dakota TBD, 2008 - 2012	ssues & C		years				
	-		14. 4				
Crashes	Total 0	Angle 0	K+A 0.00	_			W. application of the second
Rate (per MVM)		0.0	0.0	_		70.0	
						9/	
Cleans	Value	Critical	Risk Ranking	=			The same of the sa
Skew On/Near Curve		Yes Yes					
Development		Yes	*				
Near RR Crossing		Yes	*				
Distance from previous STOP Volume Cross Product Total Crashes	Yes	Yes ≥ 100,000 >0	*		事情		
Total Oldonoo			***	_	4		
Describe Proposed Safet	v Improve	omonts					
Describe i roposcu ourci	ympiove	monts					
	Description	Unit Cost	intotio	Units	Cost	Notes	
	Roundabout onal Median		per intersection per intersection	0 0	\$0.00 \$0.00		
Mainline Dynamic W		\$50,000	per intersection	0	\$0.00		
	ose Median treet Lights		per intersection per street light	0 Installed	\$0.00 \$0.00		
Upgrade	e Stop Šign		per sign	4	\$1,400.00		
Upgrade Ju			per sign	4	\$1,400.00		
Upgrade Stop / Upgrade Stop Ahe			per sign per marking	4 4	\$1,800.00 \$1,800.00		
	de Stop Bar		per marking	4	\$1,000.00		
Review Sigr	is and CST	\$2,450	per intersection	0	\$0.00 \$7,400.00	_	
Signs and Markings and Street L			er of minor legs associate		section.		
Project Cost Estimate (at	tach deta	iled copy)		Proposed	Year of Con	struction	
Fed	deral Funds	\$6,660					
Local Match (10% of Total p		\$740	<u>-</u>				
Total Pro	ject Cost	\$7,400					
NDDOT Central Office On	ıly			<u> </u>			
Project Accepted?		□No	Reference Number			ID Number	
Notes							
							Page: 15
						Int	ersection ID: 500.01 Date: 10/23/2013

HIGHWAY SAFETY IN	<u>IPROVE</u>	MENT PROGRA	M (HSIP) PRO IF	CT APPLIC	CATION		
North Dakota Department of SFN 59959 (06-2011)	Transportat	tion Programming	, ,				
		86th St NE (Pe	embina 502) & I	Interstate	29 NB R	amps	
Agency Name:					DOT District		
Contact Name:				Teleph	one Numbei	: 701-265-42	08
Email Address:							
Please attach a location map(s).	You may us	se additional sheets to f	urther describe your proje	ct			
Location Description				1	SHSD Er	mnhaeis Area (ch	neck all that apply)
						nol Impaired Drivi	
Configuration:	Χ	Traffic Control Device:	Thru/Stop		Increase the l	Jse of Safety Re	straints for all Occupants
Configuration (2):		Street Lights:				er/Older Driver S	afety
Urban/Rural:		Flashers: Major Entering ADT:			Curb Aggress		e Departure Crashes
Entering ADT:	Pembina 103	Minor Entering ADT:					e Departure Crashes Il Capabilities to Increase Survivability
Littering / LD 1 .	100	Willion Entoring 7.51.		☑		section Safety	iii dapabiiiiles to merease darvivabiiity
Describe Organic Cafata	1	Customia Dankina	Daview				
Describe Current Safety I North Dakota TBD, 2008 - 2012			years				
		_	,				
Cracker	Total 0	Angle 0	K+A 0.00	_		100	
Crashes Rate (per MVM)		0.0	0.00				
rate (per in vin)	0.0	0.0	0.0	_		Marie Contraction of the Contrac	
					N Bush		
Skew	Value Yes	Critical Yes	Risk Ranking ★	_			
On/Near Curve		Yes	* *				
Development		Yes	^			17/10	
Near RR Crossing		Yes			A Comment		
Distance from previous STOP		Yes	*		10000000000000000000000000000000000000		zen l
Volume Cross Product Total Crashes		≥ 100,000 >0			A Milesoft		
Total Grasiles			***	_	1000		ACIA III
Describe Proposed Safet	y Improve	ements					
	Description			Units	Cost	Notes - Segme	ent projects suggested on other
	Roundabout		per intersection	0	\$0.00	sheets.	
Mainline Dynamic W	onal Median		per intersection per intersection	0	\$0.00 \$0.00		
	ose Median		per intersection	0	\$0.00		
	Street Lights		per street light	0	\$0.00		
	e Stop Sign		per sign	2	\$700.00		
Upgrade Stop	Inction Sign		per sign per sign	2 2	\$700.00 \$900.00		
Upgrade Stop Ahe			per marking	2	\$900.00		
	de Stop Bar	·	per marking	2	\$500.00		
Review Sigr	ns and CST	\$2,450	per intersection	0	\$0.00 \$3.700.00		
Signs and Markings and Street L	_ight project	costs vary by the numb	er of minor legs associate	ed with the inter	,		
Project Cost Estimate (at			Ţ.		Year of Con	struction	
Eor	deral Funds	\$3,330					
Local Match (10% of Total p							
	ject Cost		-				
NDDOT Control Office On	- (
NDDOT Central Office Or Project Accepted?	111y ∏Yes	□No	Reference Number	T		ID Number	T
Notes	103		reference (Variable)			ID Number	
							Page: 16
						Inte	rsection ID: 502.02
							Date: 10/23/2013