# Nelson County

The total project cost suggested for Nelson County is \$86,440. The project cost breakout for intersection, roadway segment, and curve projects are listed in Table 4-3. High-priority locations that received a project are shown in Figure 4-9. These locations are described in further detail in Appendix 4B along with priority rankings and suggested project sheets.

TABLE 4-3

Nelson	County	Project	Costs

Project Type	Cost
Intersections	\$38,100
Roadway Segments	\$31,440
Curves	\$16,900
Total	\$86,440

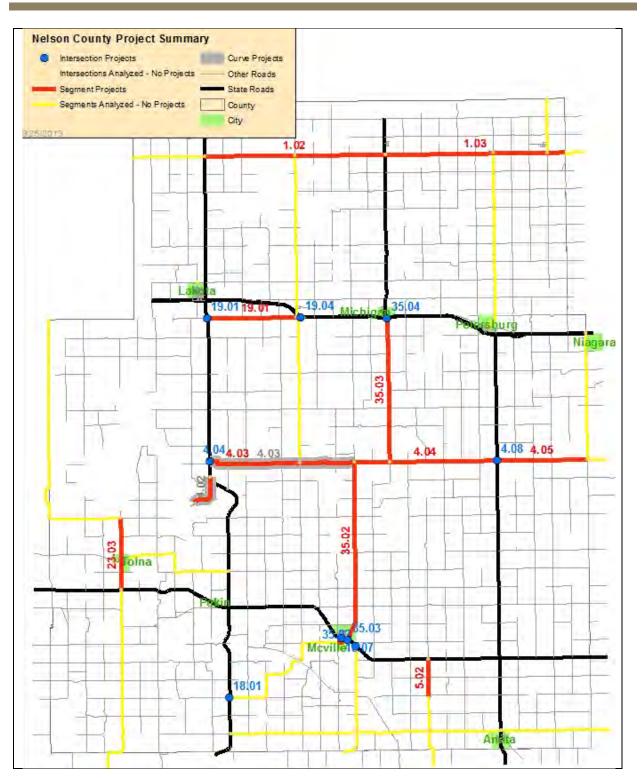
Two intersections are suggested for geometric review during the next capital improvement project (Table 4-4). These locations are where two gravel roads intersect and where no low-cost treatment would greatly reduce the risk other than a realignment of the roadway, which is not cost effective for the LRSP or HSIP process.

## TABLE 4-4

Nelson County Capital Improvement Project Consideration

Intersection ID	Intersection Description
18.04	221/2 Street (Nelson 18) and 231/2 Street (Nelson 18)
18.05	221/2 Street (Nelson 18) and 110th Ave (Nelson 18)





## FIGURE 4-9 Nelson County Projects Location Map

23 USC 409

NDDOT Reserves All Objections



# Nelson County Rural Segment Projects

Page	Corridor ID	Route #	Start	End	Length	Risk Ranking	4" Edge Line	Project Cost (\$)
1	35.02	Nelson 35 0	Intersection with ND 15	Intersection with 34th St	9.9	***	9.9	\$3,960.00
2	19.01	Nelson 19 0	Intersection with ND 1	Intersection with US Hwy 2	5.4	***	10.8	\$4,320.00
3	35.03	Nelson 35 0	Intersection with Nelson 4	Intersection with South St	8.1	**	8.1	\$3,240.00
4	1.03	Nelson 1 0	Intersection with ND 35	East Border of Nelson County	10.0	**	10.0	\$4,000.00
5	4.03	Nelson 4 0	Intersection with ND 1	Intersection with Nelson 35 on 113t	8.1	**	8.1	\$3,240.00
6	5.02	Nelson 5 0	Rail road crossing south of city of Kloten	Intersection with ND 32	2.1	**	2.1	\$840.00
7	23.03	Nelson 23 0	Intersection with ND 15	Intersection with 31th St	4.0	**	4.0	\$1,600.00
8	4.02	Nelson 4A 0	Intersection with Pavilion Rd	Intersection with ND 1	2.1	**	2.1	\$840.00
9	18.02	Nelson 18 0	Intersection with 112th Ave	Intersection with ND 15	0.5	**	0.5	\$200.00
10	4.04	Nelson 4 0	Intersection with Nelson 35 on 113th Ave	Intersection with ND 32	8.0	*	8.0	\$3,200.00
11	4.05	Nelson 4 0	Intersection with ND 32	Intersection with 49th St	5.0	*	5.0	\$2,000.00
12	1.02	Nelson 1 0	Intersection with ND 1	Intersection with ND 35	10.0	*	10.0	\$4,000.00
							78.6	\$31,440.00

## Nelson County Rural Segment Listing \*High Priority Segments Project Sheet Page Number

Project Sheet Page*	Corridor	Route	Start	End	Length (miles)	Lane Departure Crashes	ADT	Lane Departure Density	Access Density	Curves w/ Critical Radius / Mile	Edge Risk Assesment
12	1.02	Nelson 1	Intersection with ND 1	Intersection with ND 35	10.0	1	86	0.02	6.8	0.00	2
4	1.03	Nelson 1	Intersection with ND 35	East Border of Nelson County	10.0	0	129	0.00	5.5	0.10	2
8	4.02	Nelson 4A	Intersection with Pavilion Rd	Intersection with ND 1	2.1	0	105	0.00	11.2	1.95	1
5	4.03	Nelson 4	Intersection with ND 1	Intersection with Nelson 35 on 1	8.1	0	80	0.00	7.0	0.61	2
10	4.04	Nelson 4	Intersection with Nelson 35 on 113th Ave	Intersection with ND 32	8.0	0	105	0.00	5.4	0.00	2
11	4.05	Nelson 4	Intersection with ND 32	Intersection with 49th St	5.0	0	95	0.00	7.0	0.00	2
6	5.02	Nelson 5	Rail road crossing south of city of Kloten	Intersection with ND 32	2.1	0	50	0.00	12.1	0.00	2
	14.01	Nelson 14	Intersection with 51st Street	Intersection with 1st Ave	0.5	0	270	0.00	6.5	0.00	1
9	18.02	Nelson 18	Intersection with 112th Ave	Intersection with ND 15	0.5	0	75	0.00	27.6	2.12	1
2	19.01	Nelson 19	Intersection with ND 1	Intersection with US Hwy 2	5.4	1	76	0.04	5.8	0.19	2
	23.02	Nelson 23	Intersection with 20th St	Intersection with ND 15	7.0	0	111	0.00	6.3	0.00	1
7	23.03	Nelson 23	Intersection with ND 15	Intersection with 31th St	4.0	0	374	0.00	16.5	0.00	1
1	35.02	Nelson 35	Intersection with ND 15	Intersection with 34th St	9.9	0	184	0.00	7.4	0.20	2
3	35.03	Nelson 35	Intersection with Nelson 4	Intersection with South St	8.1	1	171	0.02	6.6	0.00	2
					80.7	3					

Edge Risk Legend			Lane	Critical Radius
1 Risky' - NEITHER shoulder or good clear zone	Α	ccess	Departure	Curves
2 Either a shoulder OR good clear zone	Total	589	3	1
3 BOTH shoulder and a good clear zone	Total Mileage	80.7	80.7	80.7
•	Years		5	
Critical ADT Range - Lane Departure	Average Density (Total/Mile)	7.3	0.01	0.01
150	· · · <u> </u>			

500

### Nelson County Rural Segment Prioritization - Lane Departure Priority

														Tiebrea	akers
#	Corridor	Route	#	Start	End	Length	ADT	ADT Range	Lane Departure Density	Access Density	Curve Critical Radius Density	Edge Risk	Totals	Edge Risk	ADT
1	35.02	Nelson 35	0	Intersection with ND 15	Intersection with 34th St	9.9	184	*			*	*	***	2	184
2	19.01	Nelson 19	0	Intersection with ND 1	Intersection with US Hwy 2	5.4	76		*		*	*	***	2	76
3	35.03	Nelson 35	0	Intersection with Nelson 4	Intersection with South St	8.1	171	*				*	**	2	171
4	1.03	Nelson 1	0	Intersection with ND 35	East Border of Nelson County	10.0	129				*	*	**	2	129
5	4.03	Nelson 4	0	Intersection with ND 1	Intersection with Nelson 35 on 113th A	8.1	80				*	*	**	2	80
6	5.02	Nelson 5	0	Rail road crossing south of city of Kloten	Intersection with ND 32	2.1	50			*		*	**	2	50
7	23.03	Nelson 23	0	Intersection with ND 15	Intersection with 31th St	4.0	374	*		*			**	1	374
8	4.02	Nelson 4A	0	Intersection with Pavilion Rd	Intersection with ND 1	2.1	105			*	*		**	1	105
9	18.02	Nelson 18	0	Intersection with 112th Ave	Intersection with ND 15	0.5	75			*	*		**	1	75
10	4.04	Nelson 4	0	Intersection with Nelson 35 on 113th Ave	Intersection with ND 32	8.0	105					*	*	2	105
11	4.05	Nelson 4	0	Intersection with ND 32	Intersection with 49th St	5.0	95					*	*	2	95
12	1.02	Nelson 1	0	Intersection with ND 1	Intersection with ND 35	10.0	86					*	*	2	86
13	14.01	Nelson 14	0	Intersection with 51st Street	Intersection with 1st Ave	0.5	270	*					*	1	270
14	23.02	Nelson 23	0	Intersection with 20th St	Intersection with ND 15	7.0	111							1	111
						Tota	Stars	4	1	4	6	9			
						% That Ge	ts Star	29%	7%	29%	43%	64%			

		#	%	Mileage	%	Stars
*	****	0	0%	0.0	0%	ADT Range - If segment has an ADT in the range of most at risk ADT based on Northeast totals. (150 < ADT < 500)
	****	0	0%	0.0	0%	Lane Departure Density - If segment has higher lane departure density than the Northeast average (0.032).
	***	2	14%	15.3	19%	Access Density If segment has access density than the nationwide average (8).
	**	7	50%	34.9	43%	Curve Critical Radius Density - If segment has higher density of curves with critical radius than the Northeast average (0.084).
	*	4	29%	23.5	29%	Edge Risk Assessment - Edge risk of 2 or 3, based on assessment of roadway edge and clear zone.
		1	7%	7.0	9%	
		14	100%	80.7	100%	

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Nelson 35 from Intersection with ND 15 to Intersection with 34th St ND DOT District: 3/6 Agency Name: Nelson County **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Intersection with ND 15 Lane Width: 12' End: Intersection with 34th St Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-Lane ADT: 184 Shoulder Type: Paved Curb Aggressive Driving Road Type Rural Paved Length (miles): 9.9 $\checkmark$ Improvements to Address Lane Departure Crashes County Road Nelson 35 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 years Total Road Dept K+A Crashes 2 0 0 Density (per mile per year) 0.04 0.00 0.00 Rate (per MVM) 0.60 0.00 0.00 Road Value Critical 184 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 7.4 Access Density 8.0 0.202 Curve Critical Radius Density 0.084 Edge Risk 2 2 or 3 Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Qualifies for edge line rumble. Intersection projects 4" Edge Lines \$400 9.9 \$3.960 Proactive suggested on other sheets 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 \$0 0.0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$3,564 Local Match (10% of Total project cost) \$396 Total Project Cost \$3,960 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 1 Segment ID: 35.02 10/23/2013 Date

# HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

County I Urvand wy@gondtc.com use additional sheets on with ND 1 on with US Hwy 2 red	ר	ND DOT I Telephone N e your project h: 12' h: 12' it: High h: 2' e: Paved	District: lumber:	3/6 701-322-4 SI Reduce Alc Increase the	on with US Hwy 2 4433 HSP Emphasis Area (check all that apply) cohol Impaired Driving e Use of Safety Restraints for all Occupants river/Older Driver Safety
I Urvand wy@gondtc.com r use additional sheets on with ND 1 on with US Hwy 2 red	Lane Widtt Speed Limi Shoulder Widtt Shoulder Type Length (miles	Telephone N e your project h: 12' it: High h: 2' e: Paved	lumber:	<b>701-322-</b> SI Reduce Alc Increase the	HSP Emphasis Area (check all that apply) cohol Impaired Driving e Use of Safety Restraints for all Occupants
nwy@gondtc.com r use additional sheets on with ND 1 on with US Hwy 2 red	Lane Widtt Speed Limi Shoulder Widtt Shoulder Type Length (miles	e your project h: 12' it: High h: 2' e: Paved		SI Reduce Alc Increase the	HSP Emphasis Area (check all that apply) cohol Impaired Driving e Use of Safety Restraints for all Occupants
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	eference Number				ID Number
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#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Nelson 35 from Intersection with Nelson 4 to Intersection with South St ND DOT District: 3/6 Agency Name: Nelson County **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Intersection with Nelson 4 Lane Width: 12' End: Intersection with South St Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-Lane ADT: 171 Shoulder Type: Paved Curb Aggressive Driving Road Type Rural Paved Length (miles): 8.1 $\checkmark$ Improvements to Address Lane Departure Crashes County Road Nelson 35 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 years Total Road Dept K+A Crashes 3 1 Density (per mile per year) 0.07 0.02 0.02 Rate (per MVM) 1.19 0.40 0.40 Road Value Critical 171 150≤ADT≤500 ADT Range **RD** Density 0.025 0.032 6.6 Access Density 8.0 0.000 Curve Critical Radius Density 0.084 Edge Risk 2 2 or 3 Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Qualifies for edge line rumble. Intersection projects 4" Edge Lines \$400 8.1 \$3.240 Proactive suggested on other sheets 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 \$0 0.0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$2,916 Local Match (10% of Total project cost) \$324 Total Project Cost \$3,240 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 3 Segment ID: 35.03 10/23/2013 Date

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Nelson 1 from Intersection with ND 35 to East Border of Nelson County ND DOT District: 3/6 Agency Name: Nelson County **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Intersection with ND 35 Lane Width: 12' End: East Border of Nelson County Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-Lane ADT: 129 Shoulder Type: Paved Curb Aggressive Driving Length (miles): 10.0 $\checkmark$ Improvements to Address Lane Departure Crashes Road Type Rural Paved County Road Nelson 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 5 years Total Road Dept K+A Crashes 2 0 0 Density (per mile per year) 0.04 0.00 0.00 Rate (per MVM) 0.85 0.00 0.00 Road Value Critical 129 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 5.5 Access Density 8.0 0.100 Curve Critical Radius Density 0.084 Edge Risk 2 2 or 3 Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes -\$4,000 4" Edge Lines \$400 10.0 Proactive 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 \$0 0.0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$3,600 Local Match (10% of Total project cost) \$400 Total Project Cost \$4,000 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 4 Segment ID: 1.03 10/23/2013 Date

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Nelson 4 from Intersection with ND 1 to Intersection with Nelson 35 on 113th Ave ND DOT District: 3/6 Agency Name: Nelson County **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Intersection with ND 1 Lane Width: 12' End: Intersection with Nelson 35 or Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-Lane ADT: 80 Shoulder Type: Paved Curb Aggressive Driving Length (miles): 8.1 $\checkmark$ Improvements to Address Lane Departure Crashes Road Type Rural Paved County Road Nelson 4 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 years Total Road Dept K+A Crashes 0 0 0 Density (per mile per year) 0.00 0.00 0.00 Rate (per MVM) 0.00 0.00 0.00 Road Value Critical 80 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 7.0 Access Density 8.0 0.614 Curve Critical Radius Density 0.084 Edge Risk 2 2 or 3 Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Curve and intersection projects suggested on other Proactive 4" Edge Lines \$400 8.1 \$3.240 sheets 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 0.0 \$0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$2,916 Local Match (10% of Total project cost) \$324 Total Project Cost \$3,240 NDDOT Central Office Only Project Accepted? Yes ΠNο Reference Number ID Number Notes Page: 5 Segment ID: 4.03 10/23/2013 Date

Nelson	5 from Rail road c	rossina so	uth of cit	v of Kl	loten t	o Interse	ection with	ND 32
	Nelson County		ND DOT	-		-		
	Richard Urvand	-	Telephone N			4433		
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	nelsonhwy@gondtc.com							
	). You may use additional sheets	s to further describ	e your project					
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escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines	Type Proactive Proactive	Cost per mi \$400 \$650	2.1 0.0	\$840 \$0	Notes -		SRF
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escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings	Type Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500	2.1 0.0 0.0 0.0	\$840 \$0 \$0 \$0	Notes -		SRF
escribe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Type Proactive Proactive Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	_	ction	SRF
Describe Proposed Safe	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line	Type Proactive Proactive Proactive Proactive Proactive Proactive	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	Notes -	ction	SRF
Groun Project Cost Estimate (a	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	_	ction	SRF
Groun Project Cost Estimate (a	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost)	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	_	ction	SRF
Groun Project Cost Estimate (a	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip nd In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	_	ction	SRF
<b>Describe Proposed Safe</b> Groun <b>Project Cost Estimate (a</b> Local Ma	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	_	ction	
Describe Proposed Safe Groun Project Cost Estimate (a Local Ma	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc	ction	SRE
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	_	ction	SRF
Describe Proposed Safe Groun Project Cost Estimate (a Local Ma	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc	ction	SRF
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc	ction	
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc	ction	
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc	ction	
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc	ction	
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc	ction	
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc	ction	
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	of Construc		
Bescribe Proposed Safe Groun Project Cost Estimate (a Local Ma IDDOT Central Office O roject Accepted?	ty Improvements Description 4" Edge Lines 6" Edge Lines Edge Rumble Strip ad In Wet-Reflective Markings Center Line Rumble Strip 6" Center Line ttach detailed copy) Federal Funds tch (10% of Total project cost) Total Project Cost	Type Proactive Proactive Proactive Proactive Proactive Proactive \$756 \$84 <b>\$840</b>	Cost per mi \$400 \$650 \$3,500 \$8,500 \$3,000	2.1 0.0 0.0 0.0 0.0 0.0 0.0	\$840 \$0 \$0 \$0 \$0 \$0 \$0	Def Construct	Ction	6 5.02

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Nelson 23 from Intersection with ND 15 to Intersection with 31th St ND DOT District: 3/6 Agency Name: Nelson County **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Intersection with ND 15 Lane Width: 12' End: Intersection with 31th St Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-Lane ADT: 374 Shoulder Type: Paved Curb Aggressive Driving Road Type Rural Paved Length (miles): 4.0 $\checkmark$ Improvements to Address Lane Departure Crashes County Road Nelson 23 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 years Total Road Dept K+A Crashes 6 0 0 Density (per mile per year) 0.30 0.00 0.00 Rate (per MVM) 2.20 0.00 0.00 Road Value Critical 374 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 16.5 Access Density 8.0 0.000 Curve Critical Radius Density 0.084 Edge Risk 1 2 or 3 \*\* Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Qualifies for edge line rumble. \$1.600 4" Edge Lines \$400 4.0 Proactive 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 \$0 0.0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$1,440 Local Match (10% of Total project cost) \$160 Total Project Cost \$1,600 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 7 23.03 Segment ID: 10/23/2013 Date

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Nelson 4A from Intersection with Pavilion Rd to Intersection with ND 1 ND DOT District: 3/6 Agency Name: Nelson County **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Intersection with Pavilion Rd Lane Width: 12' End: Intersection with ND 1 Speed Limit: High Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-Lane ADT: 105 Shoulder Type: Paved Curb Aggressive Driving Road Type Rural Paved Length (miles): 2.1 $\checkmark$ Improvements to Address Lane Departure Crashes County Road Nelson 4A Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 years Total Road Dept K+A Crashes 0 0 0 Density (per mile per year) 0.00 0.00 0.00 Rate (per MVM) 0.00 0.00 0.00 Road Value Critical 105 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 11.2 Access Density 8.0 1.947 Curve Critical Radius Density 0.084 Edge Risk 1 2 or 3 Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Consider combining with other segment projects Proactive 4" Edge Lines \$400 2.1 \$840 along Nelson 4. Curve projects suggested on other sheets. 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 0.0 \$0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$756 Local Match (10% of Total project cost) \$84 Total Project Cost \$840 NDDOT Central Office Only Project Accepted? Yes ΠNο Reference Number ID Number Notes Page: 8 Segment ID: 4.02 10/23/2013 Date

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Nelson 18 from Intersection with 112th Ave to Intersection with ND 15 ND DOT District: 3/6 Agency Name: Nelson County **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Intersection with 112th Ave Lane Width: 12' End: Intersection with ND 15 Speed Limit: Low Increase the Use of Safety Restraints for all Occupants Shoulder Width: 2' Younger Driver/Older Driver Safety Facility Type: 2-Lane ADT: 75 Shoulder Type: Paved Curb Aggressive Driving Road Type Rural Paved Length (miles): 0.5 $\checkmark$ Improvements to Address Lane Departure Crashes County Road Nelson 18 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 years Total Road Dept K+A Crashes 0 0 0 Density (per mile per year) 0.00 0.00 0.00 Rate (per MVM) 0.00 0.00 0.00 Road Value Critical 150≤ADT≤500 ADT Range 75 **RD** Density 0.000 0.032 27.6 Access Density 8.0 2.124 Curve Critical Radius Density 0.084 Edge Risk 1 2 or 3 \* \* Describe Proposed Safety Improvements Notes - Consider combining with intersection projects along Description Туре Cost per mi Mileage Cost 4" Edge Lines \$400 0.5 \$200 Nelson 18. Intersection projects suggested on other sheets. Proactive 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 0.0 \$0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$180 Local Match (10% of Total project cost) \$20 Total Project Cost \$200 NDDOT Central Office Only Project Accepted? Yes ΠNο Reference Number ID Number Notes Page: 9

N 59959 (06-2011) Nelson	4 from Intersection	n with Nels	on 35 on	113th	Ave to	Intersec	tion with N	ID 32
Agency Name: Contact Name:	Nelson County Richard Urvand nelsonhwy@gondtc.com	т	ND DOT I elephone N	District:	3/6			
	. You may use additional sheets		vour project					
ocation Description			your projoot					
					S	- - - - - - - - - - - - - - - - - - -	Area (check all that	at apply)
End: Facility Type: ADT:	105 Rural Paved	Lane Width Speed Limit Shoulder Width Shoulder Type Length (miles) Rumble Installed	: High : 2' : Paved : 8.0		Reduce Ald Increase th Younger Dr Curb Aggre Improveme Enhancing	ohol Impaired I e Use of Safety iver/Older Drive ssive Driving nts to Address	Driving v Restraints for all ( er Safety Lane Departure Cr dical Capabilities t	Dccupants
escribe Current Safety	Issues & Systemic Rank	ing Review						
orth Dakota Crashes, 2008 - 2			5 years					
					Risiaon	F100	39788193	CH2MHLL
	Total	Road Dept	K+A		Boot			
Crashes	5	0	0					
Density (per mile per year)		0.00	0.00					and an
Rate (per MVM)	3.27	0.00	0.00					and the second se
					and the second division of the second divisio			Same and a second second
	Value	Critical	Road					and the second se
ADT Range		150≤ADT≤500			74			and the second se
RD Density		0.032				menter littles	March 1 month little	
Access Density		8.0			THE R.	-	1 the second sec	
Curve Critical Radius Density		0.084			WGS-84			and the second second
Edge Risk	2	2 or 3	*		N 47 9040367 W 98 1032133			SRE
			*					
escribe Proposed Safe	tv Improvements							
	Description	Туре	Cost per mi	Mileage	Cost	Notes - Inters	ection projects suc	gested on other sheets
	4" Edge Lines	Proactive	\$400	8.0	\$3,200			
	6" Edge Lines	Proactive	\$650	0.0	\$0			
	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0			
Grou	nd In Wet-Reflective Markings	Proactive	\$8,500	0.0	\$0			
	Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0 \$0			
	6" Center Line	Proactive	\$650	0.0	\$0	-		
roject Cost Estimate (a	ttach detailed copy)			Propos	ed Year o	f Construct	ion	
	······································							
	Federal Funds	\$2,880						
Local Ma	ch (10% of Total project cost)	\$320	_					
	Total Project Cost	\$3,200						
DDOT Central Office O	nlu							
roject Accepted?		eference Number				ID Number		
otes			1				ļ	
							Page:	10
						Se	Page: egment ID:	10 4.04

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) Nelson 4 from Intersection with ND 32 to Intersection with 49th St Agency Name: Nelson County ND DOT District: 3/6 **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Start: Intersection with ND 32 Lane Width: 12' End: Intersection with 49th St Speed Limit: High Increase the Use of Safety Restraints for all Occupants Facility Type: 2-Lane Shoulder Width: 2' Younger Driver/Older Driver Safety ADT: 95 Shoulder Type: Paved Curb Aggressive Driving Road Type Rural Paved Length (miles): 5.0 $\checkmark$ Improvements to Address Lane Departure Crashes County Road Nelson 4 Rumble Installed: No Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 years Total Road Dept K+A Crashes 3 0 0 Density (per mile per year) 0.12 0.00 0.00 Rate (per MVM) 3.46 0.00 0.00 Road Value Critical 95 150≤ADT≤500 ADT Range **RD** Density 0.000 0.032 7.0 Access Density 8.0 0.000 Curve Critical Radius Density 0.084 Edge Risk 2 2 or 3 Describe Proposed Safety Improvements Description Туре Cost per mi Mileage Cost Notes - Intersection projects suggested on other sheets. 4" Edge Lines \$400 5.0 \$2,000 Proactive 6" Edge Lines Proactive \$650 0.0 \$0 Edge Rumble Strip Proactive \$3,500 0.0 \$0 Ground In Wet-Reflective Markings Proactive \$8,500 0.0 \$0 Center Line Rumble Strip \$3.000 Proactive 0.0 \$0 6" Center Line Proactive \$650 0.0 \$0 Project Cost Estimate (attach detailed copy) Proposed Year of Construction Federal Funds \$1,800 Local Match (10% of Total project cost) \$200 Total Project Cost \$2,000 NDDOT Central Office Only Project Accepted? Yes 🗌 No Reference Number ID Number Notes Page: 11 Segment ID: 4.05 10/23/2013 Date

# HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming

A seener Nomer No	Nelson 1 from In	tersection	with ND	1 to In	tersec	tion with ND 35
Adency Name: Ne	elson County		ND DOT	District:	3/6	
Contact Name: Ri		-	Telephone N			4433
	elsonhwy@gondtc.con					
lease attach a location map(s). Yo			e vour proiect			
ocation Description						
					S	HSP Emphasis Area (check all that apply)
Start: Inte	ersection with ND 1	Lane Widt	h: 12'			cohol Impaired Driving
End: Int	ersection with ND 35	Speed Lim	it: High		Increase th	e Use of Safety Restraints for all Occupants
Facility Type: 2-L	Lane	Shoulder Widt	h: 2'		Younger Di	river/Older Driver Safety
ADT: 86		Shoulder Typ	e: Paved		Curb Aggre	essive Driving
Road Type Ru	Iral Paved	Length (miles	s): 10.0			nts to Address Lane Departure Crashes
County Road Ne	elson 1	Rumble Installe	d: No			Emergency Medical Capabilities to Increase Survivabili
					Improve Int	ersection Safety
Describe Current Safety Iss	sups & Systemic Pank	ing Poview				
orth Dakota Crashes, 2008 - 2012		ing neview	5 years			
			,		Kalaan	RIMODERUNG CHEMOLE
	Total	Road Dept	K+A		Stat Straat Wast	
Crashes	7	1	0			
Density (per mile per year)	0.14	0.02	0.00			
Rate (per MVM)	4.45	0.64	0.00			
	1/-!	Onition - I	Road			and the second second
	Value 86	Critical 150≤ADT≤500	Road			P How A Contraction of the second
ADT Range	0.020				10.1	A COLORED OF THE OWNER
RD Density Access Density	6.8	0.032 8.0			CONTRACTOR OF 1	
Curve Critical Radius Density	0.000	0.084				
Edge Risk	2	2 or 3	*		WGS-84 N 48 1516933	
Euge Nisk	L	2013	*		W 98.3049817	° SRF
Describe Proposed Safety	Improvements					
, ,	•					
	Description	Туре	Cost per mi	Mileage	Cost	Notes -
	4" Edge Lines	Proactive	\$400	10.0	\$4,000	=
	6" Edge Lines	Proactive	\$650	0.0	\$0	
	Edge Rumble Strip	Proactive	\$3,500	0.0	\$0	
		Proactive	\$8,500	0.0	\$0	
Ground I	n Wet-Reflective Markings	TTOACtive	<i><b>v</b>v,vvvv</i>			
Ground I	Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0	
Ground I				0.0 0.0	\$0 \$0	_
_	Center Line Rumble Strip 6" Center Line	Proactive	\$3,000	0.0	\$0	-
_	Center Line Rumble Strip 6" Center Line	Proactive	\$3,000	0.0	\$0	- f Construction
Project Cost Estimate (atta	Center Line Rumble Strip 6" Center Line Ch detailed copy) Federal Funds	Proactive Proactive \$3,600	\$3,000	0.0	\$0	- f Construction
Project Cost Estimate (atta	Center Line Rumble Strip 6" Center Line Ch detailed copy) Federal Funds (10% of Total project cost)	Proactive Proactive \$3,600 \$400	\$3,000	0.0	\$0	- f Construction
Project Cost Estimate (atta	Center Line Rumble Strip 6" Center Line Ch detailed copy) Federal Funds	Proactive Proactive \$3,600	\$3,000	0.0	\$0	- of Construction
Project Cost Estimate (atta Local Match	Center Line Rumble Strip 6" Center Line Ch detailed copy) Federal Funds (10% of Total project cost) Total Project Cost	Proactive Proactive \$3,600 \$400	\$3,000	0.0	\$0	f Construction
Project Cost Estimate (atta Local Match	Center Line Rumble Strip 6" Center Line Center Center	Proactive Proactive \$3,600 \$400 <b>\$4,000</b>	\$3,000	0.0	\$0	
Project Cost Estimate (atta Local Match	Center Line Rumble Strip 6" Center Line Ch detailed copy) Federal Funds (10% of Total project cost) Total Project Cost	Proactive Proactive \$3,600 \$400	\$3,000	0.0	\$0	of Construction

### **Nelson County Curves**

								Cra	shes							
Curve Count	ID	Corridor	Segment Start	End	Curve Advisory Sign	Speed Advisory Sign	Chevrons	Total	K A	Radius (ft)	ADT	Intersection on Curve	Visual Trap	Speed Limit	Risk Ranking	Notes
1	001A	1.03	Nelson 1 Intersection with ND 35	East Border of Nelson County	No	No	No	-		2000	129	No	No	High		
2	004A	4.02	Nelson 4A Intersection with Pavilion Rd	Intersection with ND 1	No	No	No	-		300	105	No	No	High		
3	004B	4.02	Nelson 4A Intersection with Pavilion Rd	Intersection with ND 1	No	No	No	-		350	105	Yes	Yes	High	**	
4	004C	4.02	Nelson 4A Intersection with Pavilion Rd	Intersection with ND 1	Yes	No	No	-		350	105	Yes	Yes	High	**	
5	004D	4.02	Nelson 4A Intersection with Pavilion Rd	Intersection with ND 1	Yes	No	Yes	-		100	105	Yes	Yes	High	**	Arrow Board
6	004E	4.03	Nelson 4 Intersection with ND 1	Intersection with Nelson 35 on 113th Ave	Yes	No	No	-		1150	80	No	No	High	*	S-Curve
7	004F	4.03	Nelson 4 Intersection with ND 1	Intersection with Nelson 35 on 113th Ave	Yes	No	No	-		1250	80	No	No	High		S-Curve
8	004G	4.03	Nelson 4 Intersection with ND 1	Intersection with Nelson 35 on 113th Ave	Yes	No	No	-		1650	80	No	No	High		Curvy Road
9	004H	4.03	Nelson 4 Intersection with ND 1	Intersection with Nelson 35 on 113th Ave	Yes	No	No	-		1900	80	No	No	High		Curvy Road
10	0041	4.03	Nelson 4 Intersection with ND 1	Intersection with Nelson 35 on 113th Ave	Yes	No	No	-		2100	80	No	No	High		Curvy Road
11	018A	18.02	Nelson 18 Intersection with 112th Ave	Intersection with ND 15	Yes	No	No	-		200	75	No	Yes	Low	*	Yellow Rectangles
12	019A	19.01	Nelson 19 Intersection with ND 1	Intersection with US Hwy 2	No	No	No	-		200	76	Yes	No	High	*	Curves Perp to Int
13	035A	35.02	Nelson 35 Intersection with ND 15	Intersection with 34th St	No	No	No	-		1750	184	No	No	High	1	
14	035B	35.02	Nelson 35 Intersection with ND 15	Intersection with 34th St	No	No	No	-		8500	184	Yes	No	High	*	

ſ		Total
Stars	#	%
*****	0	0%
****	0	0%
***	0	0%
**	3	21%
*	4	29%
	7	50%
	14	100%

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

Please attach a location	Ageno Conta Email	cy Name ct Name Address	: Nelson Cour : Richard Urv : nelsonhwy@	nty and ⊉gondtc.o	com		ith Pavilic		tersection w ND DOT District ephone Number	:: 3/6	3	
Location Description					- ): - j j -							
Start: Intersecti End: Intersecti Facility Type: 2-Lane ADT: 105 Road Type Rural Par County Road Nelson 4.	ved	Rd	S Shou Sho Len	Lane Width: Speed Limit: ulder Width: bulder Type: ngth (miles): le Installed:	High 2' Paved 2.1				SHSP Emphas Reduce Alcohol Imp Increase the Use of Younger Driver/Oldk Curb Aggressive Dr Improvements to Ac Enhancing Emerger Improve Intersection	Safety Restraints er Driver Safety iving ddress Lane Depa ncy Medical Capal	for all Occupar	
Describe Current S		& System	nic Ranking R									
North Dakota Crashes, 2 Curve ID K A 004A 0 0	A Radius (ft)	ADT 105	Intersection on Curve No	5 Visual Trap No	years Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius	Sign Improvement Project Chevron	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign x	Advisory Spe Plaque 35
004A 0 0 004B 0 0 004C 0 0 004D 0 0	) 350 ) 350	105 105 105	Yes Yes Yes	Yes Yes Yes	** ** **	X X X X	-	Chevron Chevron Arrow	-	-	x x x	35 35 Inspect Cur
	onsecutive, as sor	ne curves i	may have been re	emoved fror	n further an	alysis because	e a large radius,	located on a gra	vel road, etc			
	onsecutive, as sor		Severe Crashes Radius ADT section on Curve	Criteria > 0 500 to 1200 350 to 650 Yes		Curves are se - 3 or more ★	elected for projects s ty or Existing Ch	ct if:	vel road, etc			
Ranking Criteria		Inters	Severe Crashes Radius ADT section on Curve Visual Trap	Criteria > 0 500 to 1200 350 to 650 Yes		Curves are se - 3 or more ★ - x in Proximit	elected for projects s ty or Existing Ch	ct if:	vel road, etc			
Curve numbering not co Ranking Criteria	I Safety Impro	Inters vements	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only	Type Proactive Proactive Proactive	Curves are se - 3 or more ★ - x in Proximit - within Critica - within Crit	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	ct if:	Total cost \$9,900 \$500 \$3,200 \$0 \$0 \$0	Notes - Segmen sheets	tt projects sugg	ested on other
Ranking Criteria Describe Proposed	<b>I Safety Impro</b> – Advance	Inters vements	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R Shoulder R	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only Sory Plaque tumble Strip	Type Proactive Proactive Proactive	Curves are se - 3 or more ★ - x in Proximit - within Critica Unit Cost \$3,300 \$500 \$800 \$3,000	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Quantity Quantity 3 1 4 .0 miles .0 miles	Total cost \$9,900 \$500 \$3,200 \$0	sheets	It projects sugg	ested on other
Ranking Criteria Describe Proposed	Advance Advance ate (attach de	Inters vements e Warning tailed co	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R Shoulder R Shou Ppy) Fec ch (10% of Total p	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque Rumble Strip Ider Paving deral Funds	Type Proactive Proactive Proactive Proactive \$12,240 \$1,360	Curves are se - 3 or more ★ - x in Proximit - within Critica Unit Cost \$3,300 \$500 \$800 \$3,000	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Ct if: evron column Quantity 3 1 4 .0 miles .0 miles	Total cost \$9,900 \$500 \$3,200 \$0 \$0 \$0 \$0 \$13,600	sheets	nt projects sugg	ested on other
Ranking Criteria	<b>I Safety Impro</b> Advance <b>ate (attach de</b>	Inters vements e Warning tailed co Local Mate	Severe Crashes Radius ADT section on Curve Visual Trap Visual Trap Arrow Sign/Speed Advis Shoulder R Shoulder R Shou Ppy) Fec ch (10% of Total p	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque tumble Strip ilder Paving deral Funds project Cost	Type Proactive Proactive Proactive Proactive \$12,240 \$1,360	Curves are se - 3 or more ★ - x in Proximit - within Critica Unit Cost \$3,300 \$500 \$800 \$3,000	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per mile	Ct if: evron column Quantity 3 1 4 .0 miles .0 miles Proposed Ye	Total cost \$9,900 \$500 \$3,200 \$0 \$0 \$0 \$0 \$13,600	sheets	It projects sugg	ested on other

Please attach	a locat		Agen Conta Email	cy Name: ict Name: Address:	on 4 from Nelson Cour Richard Urv nelsonhwy@ nal sheets to fur	nty vand @gondtc.o	com		1 to Inters		th Nelson 35 ND DOT District ephone Number	: 3/6		
			(Corridor C				ie your proje	501.						
	l: Inters e: 2-Lar <sup>-</sup> : 80 e Rural	section ne I Paveo	with ND 1 with Nelson 3	5 on 113th A	Shou Shou Shou Len	Lane Width: Speed Limit: ulder Width: pulder Type: ngth (miles): ple Installed:	High 2' Paved 8.1				SHSP Emphas Reduce Alcohol Imp Increase the Use of Younger Driver/Olde Curb Aggressive Dri Improvements to Ad Enhancing Emerger Improve Intersection	Safety Restraints er Driver Safety iving ddress Lane Depa ncy Medical Capal	for all Occupan	
Describe C	Curren	nt Saf	ety Issues a	& Systemi	c Ranking R	Review								
North Dakota Curve ID	к	A	Radius (ft)	ADT	Intersection on Curve	Visual Trap	years Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius		Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	
004E 004F	0 0	0 0	1150 1250	80 80	No No	No No	*	- X	x -	Chevron	-	-	-	-
004G	0	0	1650	80	No	No		x	-	-	-	-	-	-
004H 004I	0 0	0 0	1900 2100	80 80	No No	No No		x x	-	-	-	-	-	-
			secutive, as sor	S	evere Crashes Radius ADT ection on Curve	Criteria > 0 500 to 1200 350 to 650 Yes	- )	Curves are se - 3 or more ★	elected for projects s ty or Existing Ch		vel road, etc			
Ranking C	riteria	2		S	evere Crashes Radius ADT	Criteria > 0 500 to 1200 350 to 650 Yes	- )	Curves are se - 3 or more ★ - x in Proximit	elected for projects s ty or Existing Ch	ct if:	vel road, etc			
Ranking C	riteria	2	afety Impro	S. Interse	evere Crashes Radius ADT ADT ction on Curve Visual Trap Visual Trap Arrow ign/Speed Advis Shoulder R	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only	Type Proactive Proactive Proactive Proactive	Curves are se - 3 or more ★ - x in Proximit - within Critica - within Critica	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per curve per mile	ct if:	Total cost \$3,300 \$0 \$0 \$0 \$0 \$0 \$0	_Notes - Segmer suggested on ot		on projects
Ranking C Describe F	riteria Propos	sed S	afety Impro	S Interse ovements e Warning Si	evere Crashes Radius ADT ection on Curve Visual Trap Visual Trap Arrow ign/Speed Advis Shoulder R Shoulder R	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only Sory Plaque Rumble Strip	Type Proactive Proactive Proactive Proactive	Curves are se - 3 or more ★ - x in Proximit - within Critica Whit Cost \$3,300 \$500 \$3,000	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per curve per mile	ct if: nevron column Quantity 1 0 0 .0 miles .0 miles	Total cost \$3,300 \$0 \$0 \$0 \$0 \$0	suggested on ot		on projects
Ranking C Describe F	riteria Propos	sed S	Advanc	S Interse ovements e Warning Si otailed cop	evere Crashes Radius ADT ection on Curve Visual Trap Visual Trap Arrow ign/Speed Advis Shoulder R Shoulder R Shoulder R Shoulder (10% of Total p	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque Rumble Strip Jlder Paving deral Funds	Type Proactive Proactive Proactive Proactive Proactive \$2,970 \$330	Curves are se - 3 or more ★ - x in Proximit - within Critica Whit Cost \$3,300 \$500 \$3,000	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per curve per mile	ct if: nevron column Quantity 1 0 0 .0 miles .0 miles	Total cost \$3,300 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	suggested on ot		on projects
Ranking C Describe F Project Co	riteria Proposi st Est	ı sed S	Advanc e (attach de	S Interse overnents e Warning Si etailed cop Local Match	evere Crashes Radius ADT ection on Curve Visual Trap Visual Trap Arrow ign/Speed Advis Shoulder R Shoulder R Shoulder R Shoulder (10% of Total p	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque Rumble Strip Julder Paving deral Funds project Cost	Type Proactive Proactive Proactive Proactive Proactive \$2,970 \$330 <b>\$3,300</b>	Curves are se - 3 or more ★ - x in Proximit - within Critica Whit Cost \$3,300 \$500 \$3,000	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per curve per mile	ct if: nevron column Quantity 1 0 0 .0 miles .0 miles	Total cost \$3,300 \$0 \$0 \$0 \$3,300 <b>ear of Construct</b>	suggested on ot		on projects
Ranking C Describe F	riteria Proposi st Est	ı sed S	Advanc	S Interse overnents e Warning Si etailed cop Local Match	evere Crashes Radius ADT ection on Curve Visual Trap Visual Trap Arrow ign/Speed Advis Shoulder R Shoulder R Shoulder R Shoulder (10% of Total p	Criteria > 0 500 to 1200 350 to 650 Yes Yes Description Chevrons Board Only sory Plaque Rumble Strip Julder Paving deral Funds project cost)	Type Proactive Proactive Proactive Proactive Proactive \$2,970 \$330 <b>\$3,300</b>	Curves are se - 3 or more ★ - x in Proximit - within Critica Whit Cost \$3,300 \$500 \$3,000	elected for projects s ty or Existing Ch al Radius per curve per curve per curve per curve per curve per mile	ct if: nevron column Quantity 1 0 0 .0 miles .0 miles	Total cost \$3,300 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	suggested on ot		on projects

# Nelson County Summary of Rural Intersection Projects

Page	Intersection ID	Description	Risk Ranking	Install Street Lights	Signs & Markings	Project Cost (\$)
1	18.07	Main St (Nelson 18) & ND 15	****	-	х	\$3,700
2	35.04	115th Ave (Nelson 35) & US 2/ND 35	****	Х	х	\$9,700
3	35.03	113th Ave (Nelson 35) & ND 15 (W)	****	Х	х	\$7,850
4	19.01	42nd St (Nelson 19) & ND 1	***	-	х	\$3,000
5	19.04	42nd St (Nelson 19) & US 2	***	-	х	\$1,850
6	35.02	113th Ave (Nelson 35) & ND 15 (E)	***	-	Х	\$2,300
7	4.04	34th St (Nelson 4) & ND 1 (N)	**	-	х	\$3,700
8	4.08	34th St (Nelson 4) & ND 32	**	-	х	\$3,700
9	18.01	21st St (Nelson 18) & ND 1	**	-	-	\$2,300
				2	8	\$38,100

## Nelson 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	51st St (Nelson 1) & ND 1	No	No	No	No	548	Yes	0	No	\$	-
1.02	51st St (Nelson 1) & 110th/111th Ave (Nelson 22)	No	No	No	No	120	Yes	0	No	\$	-
1.03	51st St (Nelson 1) & ND 35	No	No	No	No	348	Yes	0	No	\$	-
1.04	51st St (Nelson 1) & 122nd Ave (Nelson 5)	No	No	No	No	166	Yes	0	No	\$	-
1.05	51st St (Nelson 1) & 125th Ave (Nelson 14)	No	No	No	No	330	Yes	0	No	\$	-
4.01	31st St (Nelson 4) & 96th Ave (Nelson 27)	No	No	No	No	89	Unknown	0	No	\$	-
4.02	31st St (Nelson 4) & 100th Ave (Nelson 23)	No	No	No	No	220	No	0	No	\$	-
4.03	105th Ave (Nelson 4A) & ND 1 (S)	No	Yes	No	No	533	Yes	0	No	\$	-
4.04	34th St (Nelson 4) & ND 1 (N)	No	No	No	No	540	Yes	1	No	\$	12,000
4.05	34th St (Nelson 4) & 110th Ave (Nelson 22)	No	No	No	No	135	Yes	0	No	\$	-
4.06	34th St (Nelson 4) & 113th Ave (Nelson 35) (W)	No	No	No	No	170	Yes	0	No	\$	-
4.07	34th St (Nelson 4) & 115th Ave (Nelson 35) (E)	No	No	No	No	212	Yes	0	No	\$	-
4.08	34th St (Nelson 4) & ND 32	No	No	No	No	335	Yes	1	No	\$	12,000
4.09	34th St (Nelson 4) & 49th Ave (Nelson 9)	No	No	No	No	135	Unknown	0	No	\$	-
5.01	116th Ave (Nelson 5) & 19th St (Nelson 20)	No	No	No	No	150	Unknown	0	No	\$	-
5.02	117th Ave (Nelson 5) & ND 15	No	No	No	No	510	Yes	0	No	\$	-
9.01	49th Ave (Nelson 9) & US 2	No	No	No	No	1850	Yes	0	No	\$	-
18.01	21st St (Nelson 18) & ND 1	No	No	No	No	262	Yes	1	No	\$	12.000
18.02	21st St (Nelson 18) & 108th Ave (Nelson 18)	No	No	No	No	44	Yes	0	No	\$	-
18.03	108th Ave (Nelson 18) & 22 1/2 St (Nelson 18)	No	No	No	No	30	Yes	0	No	\$	-
18.04	22 1/2 St (Nelson 18) & 23 1/2 St (Nelson 18)	Yes	Yes	No	No	37	Yes	0	No	\$	-
18.05	22 1/2 St (Nelson 18) & 110th Ave (Nelson 18)	Yes	Yes	No	No	45	Yes	0	No	\$	-
18.06	110th Ave (Nelson 18) & 24th St (Nelson 18)	No	No	No	No	59	Yes	0	No	\$	-
18.07	Main St (Nelson 18) & ND 15	Yes	No	Yes	Yes	895	Yes	0	Yes	\$	-
19.01	42nd St (Nelson 19) & ND 1	Yes	Yes	No	No	625	Yes	0	No	\$	-
19.02	42nd St (Nelson 19) & 111th Ave (Nelson 22) (W)	No	No	No	No	78	Yes	0	No	\$	-
19.03	42nd St (Nelson 19) & 110th Ave (Nelson 22) (E)	No	No	No	No	78	Yes	0	No	\$	-
19.04	42nd St (Nelson 19) & US 2	No	Yes	No	No	2215	Yes	0	Yes	\$	-
20.01	19th St (Nelson 20) & ND 1	No	No	No	No	270	Yes	0	No	\$	-
20.02	19th St (Nelson 20) & 113th Ave (Nelson 35)	No	No	No	No	125	Yes	0	No	\$	-
20.03	19th St (Nelson 20) & ND 32	No	No	No	No	748	Yes	0	No	\$	-
23.01	18th St (Nelson 23) & 98th Ave (Griggs 3)	No	No	No	No	40	Unknown	0	No	\$	-
23.02	100th Ave (Nelson 23) & ND 15	No	No	No	No	703	Yes	0	Yes	\$	-
24.01	29th St (Nelson 24) & 103rd Ave (Nelson 24)	No	No	No	No	83	No	0	No	\$	-
24.02	103rd Ave (Nelson 24) & 28th St (Nelson 24)	No	No	No	No	94	No	0	No	\$	-
24.03	28th St (Nelson 24) & ND 1	No	No	No	No	517	No	0	No	\$	-
35.01	18th St (Nelson 35) & 113th Ave (Nelson 35)	Yes	Yes	No	No	109	Unknown	0	No	\$	-
35.02	113th Ave (Nelson 35) & ND 15 (E)	Yes	No	No	Yes	727	Yes	0	No	\$	-
35.03	113th Ave (Nelson 35) & ND 15 (W)	No	Yes	No	No	850	Yes	1	Yes	\$	824,000
35.04	115th Ave (Nelson 35) & US 2/ND 35	No	Yes	Yes	No	1960	Yes	0	Yes	\$	-

# Nelson County Rural Intersection Prioritization

Rank	Int #	Intersection Description		Skew	On/Near Curve	Developmer	nt RR Xing	Previous STOP (>5mi)	Total Crashes	ADT Cross Product >100,000	Priority	Cra	sh Cost
1	18.07	Main St (Nelson 18) & ND 15		*		*	*	*		*	*****	\$	- 1
2	35.03	113th Ave (Nelson 35) & ND 15 (W)			*			*	*	*	****	\$ 8	824,000
3		115th Ave (Nelson 35) & US 2/ND 35			*	*		*		*	****	\$	-
4*		22 1/2 St (Nelson 18) & 23 1/2 St (Nelson 18)		*	*			*			***	\$	-
5*		22 1/2 St (Nelson 18) & 110th Ave (Nelson 18)		*	*			*			***	\$	-
6		42nd St (Nelson 19) & ND 1		*	*			*			***	\$	-
7		42nd St (Nelson 19) & US 2			*			*		*	***	\$	-
8		113th Ave (Nelson 35) & ND 15 (E) 34th St (Nelson 4) & ND 1 (N)		*			*	*			***	\$	-
9 10		34th St (Nelson 4) & ND 1 (N) 34th St (Nelson 4) & ND 32						*	*		**	\$ \$	12,000
10		21st St (Nelson 18) & ND 1						*	*		**	э \$	12,000
12		105th Ave (Nelson 4A) & ND 1 (S)			*			*			**	э \$	-
12		100th Ave (Nelson 23) & ND 15			~			*		*	**	Գ Տ	-
14		18th St (Nelson 35) & 113th Ave (Nelson 35)		*	*			^		^	**	<del>у</del> \$	
15		51st St (Nelson 1) & ND 1		^	~			*			*	\$ \$	-
16		51st St (Nelson 1) & 110th/111th Ave (Nelson 22)						*			*	\$	-
17		51st St (Nelson 1) & ND 35						*			*	\$	-
18		51st St (Nelson 1) & 122nd Ave (Nelson 5)						*			*	\$	-
19	1.05	51st St (Nelson 1) & 125th Ave (Nelson 14)						*			*	\$	-
20	4.05	34th St (Nelson 4) & 110th Ave (Nelson 22)						*			*	\$	-
21	4.06	34th St (Nelson 4) & 113th Ave (Nelson 35) (W)						*			*	\$	-
22		34th St (Nelson 4) & 115th Ave (Nelson 35) (E)						*			*	\$	-
23		117th Ave (Nelson 5) & ND 15						*			*	\$	-
24		49th Ave (Nelson 9) & US 2						*			*	\$	-
25		21st St (Nelson 18) & 108th Ave (Nelson 18)						*			*	\$	-
26		108th Ave (Nelson 18) & 22 1/2 St (Nelson 18)						*			*	\$	-
27 28		110th Ave (Nelson 18) & 24th St (Nelson 18)						*			*	\$	-
-		42nd St (Nelson 19) & 111th Ave (Nelson 22) (W) 42nd St (Nelson 19) & 110th Ave (Nelson 22) (E)						*				\$	-
29 30		42nd St (Nelson 19) & 110th Ave (Nelson 22) (E) 19th St (Nelson 20) & ND 1						*			*	\$ \$	-
30		19th St (Nelson 20) & 113th Ave (Nelson 35)						*			*	Գ Տ	-
32		19th St (Nelson 20) & ND 32						*			*	\$	-
33		31st St (Nelson 4) & 96th Ave (Nelson 27)						^			~	\$ \$	-
34		31st St (Nelson 4) & 100th Ave (Nelson 23)										\$	-
35		34th St (Nelson 4) & 49th Ave (Nelson 9)										\$	-
36		116th Ave (Nelson 5) & 19th St (Nelson 20)										\$	-
37		18th St (Nelson 23) & 98th Ave (Griggs 3)										\$	-
38		29th St (Nelson 24) & 103rd Ave (Nelson 24)										\$	-
39		103rd Ave (Nelson 24) & 28th St (Nelson 24)										\$	-
40	24.03	28th St (Nelson 24) & ND 1						-				\$	-
	Totola		Total Stars		8	2	2	31	4	5			
	Totals		% That Gets Star	15%	20%	5%	5%	78%	10%	13%			
***		<u># %</u>		Stars									

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******	0	0%		Stars
*****	0	0%	Skew - I	f intersection is skewed at an angle of 20 degrees or greater.
****	1	3%	On/Near Curve - I	f intersection is on or within 1,000 feet of curve.
****	2	5%	Development - I	f intersection aerial shows a commercial development with access near intersection.
***	5	13%	RR Xing - I	f intersection has a railroad crossing on any approach within 500 feet.
**	6	15%	Previous STOP (>5 mi) - I	If vehicles approaching the stop control have not had a previous stop along the roadway within 5 miles
*	18	45%	Total Crashes - I	If intersection has at least 1 crash.
-	8	20%	ADT Cross Product - I	f intersection has an ADT cross product > 100,000
	40	100%		

59959 (06-2011)	M	ain St (Nelson	18) & ND 1	15	
Agency Name: Nelson Cou Contact Name: Richard Ur Email Address: nelsonhwy	unty vand		, ND D	OT District:	: 3/6 : 701-322-4433
ase attach a location map(s). You may use	additional sheets to fu	irther describe your proje	ect		
cation Description			-1		
Configuration (2): Undivided Urban/Rural: Rural County: Nelson	raffic Control Device: Street Lights: Flashers: Major Entering ADT: Minor Entering ADT:	Yes No 605		Reduce Alcoho Increase the U Younger Drive Curb Aggressiv Improvements	to Address Lane Departure Crashes ergency Medical Capabilities to Increase Surviva
scribe Current Safety Issues & Sy	stemic Ranking	Review			
th Dakota Crashes, 2008 - 2012	5	years			
Total	Angle	K+A		3 23/2	
Crashes 0	0	0.00			
Rate (per MVM) 0.0	0.0	0.0	1		
Value	Critical	Risk Ranking		C.P	
Skew Yes	Yes	*	_	1	atter and the state
On/Near Curve No	Yes		4	1 1 1	
Development Yes	Yes Yes	*	14	-	The second se
Near RR Crossing Yes istance from previous STOP Yes	Yes	*	-	( and	
Volume Cross Product Yes Total Crashes 0	≥ 100,000 >0	*	1.	At the set	
	-0	****			
scribe Proposed Safety Improvem	ents				
Description	Unit Cost	nor intorcastics	Units	Cost	_Notes
Roundabout Directional Median		per intersection per intersection	0 0	\$0.00 \$0.00	
Mainline Dynamic Warning Sign	. ,	per intersection	0	\$0.00	
Close Median		per intersection	0	\$0.00	
Installing Street Lights Upgrade Stop Sign		per street light per sign	Installed 2	\$0.00 \$700.00	
Upgrade Junction Sign		per sign	2	\$700.00	
Upgrade Stop Ahead Sign	\$450	per sign	2	\$900.00	
Upgrade Stop Ahead Marking Upgrade Stop Bar		per marking per marking	2 2	\$900.00 \$500.00	
Review Signs and CST		per intersection	0	\$500.00 \$0.00	
		•	a al	\$3,700.00	-
ns and Markings and Street Light project co		er of minor legs associat	ed with the interse Proposed Y		struction
piect Cost Estimate (attach detaile					
oject Cost Estimate (attach detaile			1		
Federal Funds	\$3,330				
Federal Funds Local Match (10% of Total project cost)	\$370				
Federal Funds Local Match (10% of Total p <u>roject cost)</u> Total Project Cost					
Federal Funds Local Match (10% of Total p <u>roject cost)</u> Total Project Cost	\$370 <b>\$3,700</b>	Deference Number			
Federal Funds Local Match (10% of Total p <u>roject cost)</u> Total Project Cost	\$370 <b>\$3,700</b>	Reference Number			ID Number
Federal Funds Local Match (10% of Total p <u>roject cost)</u> Total Project Cost	\$370 <b>\$3,700</b>	Reference Number			ID Number
Federal Funds Local Match (10% of Total p <u>roject cost)</u> Total Project Cost	\$370 <b>\$3,700</b>	Reference Number		-	ID Number
Federal Funds Local Match (10% of Total p <u>roject cost)</u> Total Project Cost	\$370 <b>\$3,700</b>	Reference Number			ID Number
Federal Funds Local Match (10% of Total p <u>roject cost)</u> Total Project Cost	\$370 <b>\$3,700</b>	Reference Number			ID Number Page: 1 Intersection ID: 18.07

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) 115th Ave (Nelson 35) & US 2/ND 35 Agency Name: Nelson County ND DOT District: 3/6 **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: X Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Curb Aggressive Driving Urban/Rural: Rural Flashers: No County: Nelson Major Entering ADT: 1763 Improvements to Address Lane Departure Crashes Entering ADT: 1960 Minor Entering ADT: 198 Enhancing Emergency Medical Capabilities to Increase Survivability $\overline{}$ Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total K+A Angle Crashes 0 0.00 0 Rate (per MVM) 0.0 0.0 0.0 Critical Value **Risk Ranking** Skew Yes No On/Near Curve Yes Yes Development Yes Yes Near RR Crossing No Yes Distance from previous STOP Yes Yes Volume Cross Product Yes ≥ 100,000 **Total Crashes** 0 >0 \*\*\*\* Describe Proposed Safety Improvements Unit Cost Description Units Cost Notes - Segment projects suggested on other Roundabout \$1,000,000 per intersection 0 \$0.00 sheets. \$750,000 per intersection **Directional Median** 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection \$0.00 0 \$6,000.00 Installing Street Lights \$6,000 per street light 1 Upgrade Stop Sign \$350 per sign 2 \$700.00 Upgrade Junction Sign \$350 per sign 2 \$700.00 Upgrade Stop Ahead Sign \$900.00 \$450 per sign 2 Upgrade Stop Ahead Marking \$450 per marking 2 \$900.00 Upgrade Stop Bar \$250 per marking 2 \$500.00 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$9,700.00 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 \$8 730 Local Match (10% of Total project cost) \$970 Total Project Cost \$9,700 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 2 Intersection ID: 35.04 Date: 10/23/2013

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) 113th Ave (Nelson 35) & ND 15 (W) Agency Name: Nelson County ND DOT District: 3/6 **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: T Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Nelson Major Entering ADT: 765 Improvements to Address Lane Departure Crashes Entering ADT: 850 Minor Entering ADT: 170 Enhancing Emergency Medical Capabilities to Increase Survivability $\overline{}$ Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total K+A Angle Crashes 0 1 00 Rate (per MVM) 0.6 0.0 0.6 Critical Value **Risk Ranking** Skew Yes No On/Near Curve Yes Yes Development Yes No Near RR Crossing No Yes Distance from previous STOP Yes Yes Volume Cross Product Yes ≥ 100,000 **Total Crashes** 1 >0 Describe Proposed Safety Improvements Unit Cost Description Units Cost Notes - Segment projects suggested on other Roundabout \$1,000,000 per intersection 0 \$0.00 sheets. **Directional Median** \$750,000 per intersection 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection \$0.00 0 \$6,000.00 Installing Street Lights \$6,000 per street light 1 Upgrade Stop Sign \$350 per sign 1 \$350.00 Upgrade Junction Sign \$350 per sign \$350.00 1 Upgrade Stop Ahead Sign \$450 per sign 1 \$450.00 Upgrade Stop Ahead Marking \$450 per marking \$450.00 1 Upgrade Stop Bar \$250 per marking \$250.00 1 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$7,850.00 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 \$7 065 Federal Funds Local Match (10% of Total project cost) \$785 Total Project Cost \$7,850 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 3 Intersection ID: 35.03 Date: 10/23/2013

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Agency Name: Nelson Co	•			OOT Distric	
Contact Name: Richard U			relepho		r: 701-322-4433
Email Address: nelsonhw	y@gondtc.com				
ase attach a location map(s). You may use	e additional sheets to fu	rther describe your proje	ect		
ocation Description				0.100	
					mphasis Area (check all that apply) hol Impaired Driving
Configuration: X	Traffic Control Device:	Thru Stop			Use of Safety Restraints for all Occupants
Configuration (2): Undivided	Street Lights:				er/Older Driver Safety
Urban/Rural: Rural	Flashers:			Curb Aggress	,
County: Nelson	Major Entering ADT:				s to Address Lane Departure Crashes
Entering ADT: 625	Minor Entering ADT:	35			mergency Medical Capabilities to Increase Survival
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Development No	Yes	^			
Near RR Crossing No	Yes			Constant and	Cellin International Providence
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Volume Cross Product No	≥ 100,000			Contra la	A CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWN
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Description Roundabout	Unit Cost \$1,000,000	per intersection	Units 0	Cost \$0.00	Notes - Segment projects suggested on other sheets.
Description Roundabout Directional Median	Unit Cost \$1,000,000 \$750,000	per intersection	0 0	\$0.00 \$0.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign	Unit Cost \$1,000,000 \$750,000 \$50,000	per intersection per intersection	0 0 0	\$0.00 \$0.00 \$0.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median	Unit Cost \$1,000,000 \$750,000 \$50,000 \$25,000	per intersection per intersection per intersection	0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights	Unit Cost \$1,000,000 \$750,000 \$50,000 \$25,000 \$6,000	per intersection per intersection per intersection per street light	0 0 0 0 0	\$0.00 \$0.00 \$0.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign	Unit Cost \$1,000,000 \$750,000 \$50,000 \$25,000 \$6,000 \$350	per intersection per intersection per intersection per street light per sign	0 0 0 0 2	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$350 \$450	per intersection per intersection per intersection per street light per sign per sign per sign	0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$700.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking	Unit Cost \$1,000,000 \$750,000 \$50,000 \$25,000 \$6,000 \$350 \$350 \$350 \$450 \$450	per intersection per intersection per intersection per street light per sign per sign per sign per marking	0 0 0 2 2 2 1	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Bar	Unit Cost \$1,000,000 \$50,000 \$25,000 \$6,000 \$350 \$350 \$350 \$450 \$450 \$250	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking	0 0 0 2 2 2 1 1	\$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking	Unit Cost \$1,000,000 \$50,000 \$25,000 \$6,000 \$350 \$350 \$350 \$450 \$450 \$250	per intersection per intersection per intersection per street light per sign per sign per sign per marking	0 0 0 2 2 2 1	\$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$0.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST	Unit Cost \$1,000,000 \$50,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$450 \$250 \$2,450	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 1 1 1 0	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$0.00 \$3,000.00	
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Abead Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Review Signs and CST	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$350 \$450 \$450 \$250 \$2,450 osts vary by the numbe	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$350 \$450 \$450 \$250 \$2,450 osts vary by the numbe	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 1 1 1 0	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST Ins and Markings and Street Light project c Toject Cost Estimate (attach detail	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$350 \$450 \$450 \$250 \$2,450 osts vary by the numbe	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Stop Ahead Marking Upgrade Stop Bar Review Signs and CST ms and Markings and Street Light project c <b>roject Cost Estimate (attach detail</b> Federal Funds Local Match (10% of Total project cost)	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$450 \$250 \$2,450 osts vary by the numbe <b>ed copy)</b> \$2,700 \$300	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST Ins and Markings and Street Light project c Toject Cost Estimate (attach detail	Unit Cost \$1,000,000 \$750,000 \$25,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$450 \$2,450 \$2,450 osts vary by the numbe ed copy) \$2,700	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Street Signs and CST Ins and Markings and Street Light project cost <b>oject Cost Estimate (attach detail</b> Federal Funds Local Match (10% of Total project cost) Total Project Cost	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$450 \$250 \$2,450 osts vary by the numbe <b>ed copy)</b> \$2,700 \$300	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Street Light project co <b>roject Cost Estimate (attach detail</b> Federal Funds Local Match (10% of Total project cost) Total Project Cost	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$250 \$2,450 \$2,450 \$2,450 \$2,450 \$2,450 \$2,700 \$300 \$3,000	per intersection per intersection per intersection per street light per sign per sign per marking per marking per intersection r of minor legs associate	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	nstruction
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Street Stop Ahead Marking Upgrade Stop Ahead Sign Upgrade St	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$250 \$2,450 \$2,450 \$2,450 \$2,450 \$2,450 \$2,700 \$300 \$3,000	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Street Light project co <b>roject Cost Estimate (attach detail</b> Federal Funds Local Match (10% of Total project cost) Total Project Cost	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$250 \$2,450 \$2,450 \$2,450 \$2,450 \$2,450 \$2,700 \$300 \$3,000	per intersection per intersection per intersection per street light per sign per sign per marking per marking per intersection r of minor legs associate	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Street Stop Ahead Marking Upgrade Stop Ahead Sign Upgrade St	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$250 \$2,450 \$2,450 \$2,450 \$2,450 \$2,450 \$2,700 \$300 \$3,000	per intersection per intersection per intersection per street light per sign per sign per marking per marking per intersection r of minor legs associate	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Street Stop Ahead Marking Upgrade Stop Ahead Sign Upgrade St	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$250 \$2,450 \$2,450 \$2,450 \$2,450 \$2,450 \$2,700 \$300 \$3,000	per intersection per intersection per intersection per street light per sign per sign per marking per marking per intersection r of minor legs associate	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Street Stop Ahead Marking Upgrade Stop Ahead Sign Upgrade St	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$250 \$2,450 \$2,450 \$2,450 \$2,450 \$2,450 \$2,700 \$300 \$3,000	per intersection per intersection per intersection per street light per sign per sign per marking per marking per intersection r of minor legs associate	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	sheets.
Description Roundabout Directional Median Mainline Dynamic Warning Sign Close Median Installing Street Lights Upgrade Stop Sign Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Street Stop Ahead Marking Upgrade Stop Ahead Sign Upgrade St	Unit Cost \$1,000,000 \$750,000 \$25,000 \$6,000 \$350 \$350 \$450 \$450 \$250 \$2,450 \$2,450 \$2,450 \$2,450 \$2,450 \$2,700 \$300 \$3,000	per intersection per intersection per intersection per street light per sign per sign per marking per marking per intersection r of minor legs associate	0 0 0 2 2 2 1 1 1 0 0 ed with the inters	\$0.00 \$0.00 \$0.00 \$0.00 \$700.00 \$700.00 \$900.00 \$450.00 \$250.00 \$3,000.00 \$3,000.00	

#### HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION North Dakota Department of Transportation Programming SFN 59959 (06-2011) 42nd St (Nelson 19) & US 2 Agency Name: Nelson County ND DOT District: 3/6 **Contact Name: Richard Urvand** Telephone Number: 701-322-4433 Email Address: nelsonhwy@gondtc.com Please attach a location map(s). You may use additional sheets to further describe your project Location Description SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving Configuration: T Traffic Control Device: Thru Stop Increase the Use of Safety Restraints for all Occupants Configuration (2): Undivided Street Lights: No Younger Driver/Older Driver Safety Urban/Rural: Rural Curb Aggressive Driving Flashers: No County: Nelson Major Entering ADT: 2180 Improvements to Address Lane Departure Crashes Entering ADT: 2215 Minor Entering ADT: 70 Enhancing Emergency Medical Capabilities to Increase Survivability $\overline{}$ Improve Intersection Safety Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 vears Total K+A Angle Crashes 0 0.00 0 Rate (per MVM) 0.0 0.0 0.0 Critical Value **Risk Ranking** Skew Yes No On/Near Curve Yes Yes Development Yes No Near RR Crossing No Yes Distance from previous STOP Yes Yes Volume Cross Product Yes ≥ 100,000 **Total Crashes** 0 >0 \*\*\* Describe Proposed Safety Improvements Unit Cost Units Description Cost Notes - Qualifies for street light. Segment projects Roundabout \$1,000,000 per intersection 0 \$0.00 suggested on other sheets. \$750,000 per intersection **Directional Median** 0 \$0.00 Mainline Dynamic Warning Sign \$50,000 per intersection 0 \$0.00 Close Median \$25,000 per intersection \$0.00 0 Installing Street Lights \$6,000 per street light 0 \$0.00 Upgrade Stop Sign \$350 per sign 1 \$350.00 Upgrade Junction Sign \$350 per sign \$350.00 1 Upgrade Stop Ahead Sign \$450.00 \$450 per sign 1 Upgrade Stop Ahead Marking \$450 per marking \$450.00 1 Upgrade Stop Bar \$250 per marking \$250.00 1 Review Signs and CST \$2,450 per intersection 0 \$0.00 \$1,850.00 Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection. Project Cost Estimate (attach detailed copy) Proposed Year of Construction \$1 665 Federal Funds Local Match (10% of Total project cost) \$185 Total Project Cost \$1,850 NDDOT Central Office Only Project Accepted? 🗌 Yes □ No Reference Number ID Number Notes Page: 5 Intersection ID: 19.04 Date: 10/23/2013

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Agency Name: Nelson Co				OOT District:	
Contact Name: Richard Ur	vand		Telepho	one Number:	701-322-4433
Email Address: nelsonhwy					
ease attach a location map(s). You may use	additional sheets to furth	ner describe your proje	ect		
ocation Description					
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Configuration (2): Undivided Urban/Rural: Rural	Flashers: No			Curb Aggressiv	/Older Driver Safety
County: Nelson	Major Entering ADT: 68				to Address Lane Departure Crashes
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Skew Yes	Yes	*			
On/Near Curve No	Yes				
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Near RR CrossingYesDistance from previous STOPYes	Yes	*			
Volume Cross Product No	≥ 100,000	~			
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escribe Proposed Safety Improven	nents				
Description	Unit Cost		Units	Cost	Notos
Description Roundabout	\$1,000,000 pe	er intersection	0	Cost \$0.00	Notes -
Directional Median	\$750,000 pe		0	\$0.00	
Mainline Dynamic Warning Sign		er intersection	0	\$0.00	
Close Median	\$25,000 pe	er intersection	0	\$0.00	
Installing Street Lights		er street light	0	\$0.00	
	\$350 pe	-	2	\$700.00	
Upgrade Stop Sign	<b><b>MOEO</b></b>	a sum	0	¢700.00	
Upgrade Junction Sign	\$350 pe		2	\$700.00 \$900.00	
Upgrade Junction Sign Upgrade Stop Ahead Sign	\$450 pe	er sign	2	\$900.00	
Upgrade Junction Sign	\$450 pe \$450 pe				
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Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST	\$450 pc \$450 pc \$250 pc \$2,450 pc	er sign er marking er marking er intersection	2 0 0 0	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00	
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Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST Igns and Markings and Street Light project co roject Cost Estimate (attach detaile Federal Funds	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of sts vary by the number of \$2,070	er sign er marking er marking er intersection	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	truction
Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST Igns and Markings and Street Light project co <b>roject Cost Estimate (attach detaile</b> Federal Funds Local Match (10% of Total p <u>roject cost)</u>	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of std copy) \$2,070 \$230	er sign er marking er marking er intersection	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	truction
Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST Igns and Markings and Street Light project co roject Cost Estimate (attach detaile Federal Funds	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of sts vary by the number of \$2,070	er sign er marking er marking er intersection	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	truction
Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST Igns and Markings and Street Light project co <b>roject Cost Estimate (attach detaile</b> Federal Funds Local Match (10% of Total p <u>roject cost)</u>	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of std copy) \$2,070 \$230	er sign er marking er marking er intersection	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	truction
Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST igns and Markings and Street Light project cot <b>troject Cost Estimate (attach detaile</b> Federal Funds Local Match (10% of Total project Cost) Total Project Cost	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of std copy) \$2,070 \$230 \$2,300	er sign er marking er marking er intersection	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	truction
Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST igns and Markings and Street Light project cost inoject Cost Estimate (attach detaile Federal Funds Local Match (10% of Total project cost) Total Project Cost	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of std copy) \$2,070 \$230 \$2,300	er sign er marking er marking or intersection of minor legs associat	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	
Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST igns and Markings and Street Light project cost inoject Cost Estimate (attach detaile Federal Funds Local Match (10% of Total project cost) Total Project Cost	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of std copy) \$2,070 \$230 \$2,300	er sign er marking er marking or intersection of minor legs associat	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	
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Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST igns and Markings and Street Light project cost inoject Cost Estimate (attach detaile Federal Funds Local Match (10% of Total project cost) Total Project Cost	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of std copy) \$2,070 \$230 \$2,300	er sign er marking er marking or intersection of minor legs associat	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	ID Number
Upgrade Junction Sign Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking Upgrade Stop Ahead Marking Upgrade Stop Bar Review Signs and CST igns and Markings and Street Light project cost inoject Cost Estimate (attach detaile Federal Funds Local Match (10% of Total project cost) Total Project Cost	\$450 pc \$450 pc \$250 pc \$2,450 pc sts vary by the number of std copy) \$2,070 \$230 \$2,300	er sign er marking er marking or intersection of minor legs associat	2 0 0 0 ed with the inters	\$900.00 \$0.00 \$0.00 \$0.00 \$2,300.00 section.	

N 59959 (06-2011)			(h. O( /) - !		( ) ( )	
			th St (Nelson 4			
Agency Name: I					DOT Distric	
Contact Name: I				Telepho	one Number	r: 701-322-4433
Email Address: r						
lease attach a location map(s).	/ou may us	e additional sheets to fu	urther describe your proj	ect		
ocation Description						
						nphasis Area (check all that apply) nol Impaired Driving
Configuration: 1	r	Traffic Control Device:	Thru Stop			Jse of Safety Restraints for all Occupants
Configuration (2): L		Street Lights:	•			er/Older Driver Safety
Urban/Rural: F		Flashers:			Curb Aggress	
County: N	Velson	Major Entering ADT:	500			s to Address Lane Departure Crashes
Entering ADT: 5	540	Minor Entering ADT:	80			nergency Medical Capabilities to Increase Survivab
				$\checkmark$	Improve Inter	section Safety
Describe Current Safety Is	Scupe & C	vetomio Ponkina	Poviow			
orth Dakota Crashes, 2008 - 20			years			
		0	, <del>.</del>			
	Total	Angle	K+A	_	- 194 M	CALL AND IN THE OWNER
Crashes	1	0	0.00			
Rate (per MVM)	1.0	0.0	0.0	_		The second se
						The second second second
				100	alie 1	
	Value	Critical	Risk Ranking		K D	and the second se
Skew	No	Yes		-	A CONST	Constant and a second
On/Near Curve	No	Yes			and the second	The second s
Development	No	Yes			- Contraction	
Near RR Crossing	No	Yes				States and the second second
Distance from previous STOP	Yes	Yes	*			
Volume Cross Product Total Crashes	No 1	≥ 100,000 >0	+			
Total Crashes	1	20	*	- 1		
Describe Proposed Safety	Improve	ments				
					<b>o</b> 1	
	escription	Unit Cost	per intersection	Units 0	Cost \$0.00	Notes - Segment and curve projects suggested of other sheets.
	al Median		per intersection	0	\$0.00 \$0.00	other sheets.
Mainline Dynamic Wa			per intersection	0 0	\$0.00	
-	se Median		per intersection	0	\$0.00	
Installing Str			per street light	0	\$0.00	
	Stop Sign		per sign	2	\$700.00	
Upgrade Jun Upgrade Stop A			per sign per sign	2 2	\$700.00 \$900.00	
Upgrade Stop A Upgrade Stop Ahea			per sign per marking	2	\$900.00 \$900.00	
	e Stop Bar		per marking	2	\$500.00	
Review Signs			per intersection	0	\$0.00	
					\$3,700.00	_
		costs vary by the numb	er of minor legs associa			
				Proposod	year of Con	struction
				Fioposeu		
igns and Markings and Street Lig Project Cost Estimate (atta	ach detai	led copy)		Froposed		
Project Cost Estimate (atta	ach detai	<b>led copy)</b> \$3,330				
Project Cost Estimate (atta Fede Local Match (10% of Total p <u>r</u>	eral Funds oject cost)	<b>led copy)</b> \$3,330 \$370				
Project Cost Estimate (atta Fede Local Match (10% of Total proj Total Proj	eral Funds oject cost) ect Cost	<b>led copy)</b> \$3,330				
<b>Froject Cost Estimate (atta</b> Fede Local Match (10% of Total p <u>r</u> Total Proj	eral Funds oject cost) ect Cost	<b>led copy)</b> \$3,330 \$370				
Froject Cost Estimate (atta Fede Local Match (10% of Total proj Total Proj	eral Funds oject cost) ect Cost	<b>led copy)</b> \$3,330 \$370	Reference Number			ID Number
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Froject Cost Estimate (atta Fede Local Match (10% of Total proj Total Proj	eral Funds oject cost) ect Cost	led copy) \$3,330 \$370 <b>\$3,700</b>	Reference Number			ID Number
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roject Cost Estimate (atta Fede Local Match (10% of Total proj Total Proj	eral Funds oject cost) ect Cost	led copy) \$3,330 \$370 <b>\$3,700</b>	Reference Number			ID Number
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roject Cost Estimate (atta Fede Local Match (10% of Total proj Total Proj	eral Funds oject cost) ect Cost	led copy) \$3,330 \$370 <b>\$3,700</b>	Reference Number			

N 59959 (06-2011)	Э.	4th St (Nelson	1) 8 ND 2	2			
Anonov Norrow Notors		+ui si (neison	•		4. 2/G		
Agency Name: Nelson Cour	•		ND DOT District: 3/6				
Contact Name: Richard Urva			Telepho	one Numbe	r: 701-322-4433		
Email Address: nelsonhwy@	gondtc.com						
ease attach a location map(s). You may use ac	Iditional sheets to fu	rther describe your proje	ect				
ocation Description							
					mphasis Area (check all that apply)		
					nol Impaired Driving		
	ffic Control Device:				Use of Safety Restraints for all Occupants		
Configuration (2): Undivided	Street Lights:			0	er/Older Driver Safety		
Urban/Rural: Rural	Flashers:			Curb Aggress			
	lajor Entering ADT:				s to Address Lane Departure Crashes		
Entering ADT: 335 M	linor Entering ADT:	98			mergency Medical Capabilities to Increase Surviva		
				improve inter	section Safety		
escribe Current Safety Issues & Sys	temic Ranking I	Review					
rth Dakota Crashes, 2008 - 2012		years					
Total	Angle	K+A		1			
Crashes 1	0	0.00	- 8	1 de la			
Rate (per MVM) 1.6	0.0	0.0		- W			
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				the second			
Value	Critical	Risk Ranking		Part and -			
Skew No	Yes						
On/Near Curve No	Yes			110	the second s		
Development No	Yes		£	·			
Near RR Crossing No	Yes		9	1000 -			
Distance from previous STOP Yes	Yes	*			and the second second		
Volume Cross Product No	≥ 100,000 >0	<b>_</b>	2				
Total Crashes 1	>0	*	- 8				
escribe Proposed Safety Improveme	nts						
Description	Unit Cost		Units	Cost	Notes - Segment projects suggested on other		
Roundabout		per intersection	0	\$0.00	sheets.		
Directional Median		per intersection	0	\$0.00	516663.		
Mainline Dynamic Warning Sign	. ,	per intersection	0	\$0.00			
Close Median		per intersection	0	\$0.00			
Installing Street Lights		, per street light	0	\$0.00			
Upgrade Stop Sign	\$350	per sign	2	\$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		per marking	2	\$500.00			
Review Signs and CST	\$2,450	per intersection	0	\$0.00 \$3,700.00	—		
gns and Markings and Street Light project cost	s vary by the number	r of minor leas associate	ed with the intere				
oject Cost Estimate (attach detailed			Proposed		struction		
· · ·							
Federal Funds	\$3,330						
Local Match (10% of Total project cost)	\$370						
Total Project Cost	\$3,700						
DDOT Central Office Only							
oject Accepted?		Reference Number			ID Number		
tes			•		• • •		
					Page: 7		
					1 440. 7		
					Intersection ID: 4.08		

N 59959 (06-2011)	2	1st St (Nelson	18) & ND	1	
Agency Name: Nelson Contact Name: Richard Email Address: nelsonl	County d Urvand	itst St (Neison	ND E	OOT Distric	t: 3/6 r: 701-322-4433
ase attach a location map(s). You may		urther describe your proj	ject		
cation Description			T		
Configuration: X Configuration (2): Undivided Urban/Rural: Rural County: Nelson Entering ADT: 262		Unknown Unknown 240		Reduce Alcol Increase the Younger Driv Curb Aggress Improvement Enhancing En	mphasis Area (check all that apply) nol Impaired Driving Use of Safety Restraints for all Occupants er/Older Driver Safety sive Driving s to Address Lane Departure Crashes mergency Medical Capabilities to Increase Surviva section Safety
escribe Current Safety Issues &	Systemic Ranking	Review	•		
rth Dakota Crashes, 2008 - 2012	5	years			
Total	Angle	K+A		-	
Crashes 1	0	0.00	_	1	
Rate (per MVM) 2.1	0.0	0.0	_		angende la
Value	Critical	Risk Ranking		ARD I	
Skew No	Yes			20161	
On/Near Curve No Development No	Yes Yes		5		
Near RR Crossing No	Yes		2	Sec.	
Distance from previous STOP Yes	Yes	*			
Volume Cross Product No	≥ 100,000				and the second
Total Crashes 1	>0	*	_ 1		
		**	_		
escribe Proposed Safety Impro	vements				
Descriptio	on Unit Cost		Units	Cost	Notes - Segment projects suggested on other
Roundabo		per intersection	0	\$0.00	sheets.
Directional Media		per intersection	0	\$0.00	
Mainline Dynamic Warning Sig		per intersection	0	\$0.00	
Close Media	. ,	per intersection	0	\$0.00	
Installing Street Ligh Upgrade Stop Sig		per street light per sign	0 2	\$0.00 \$700.00	
Upgrade Junction Sig		per sign	2	\$700.00	
Upgrade Stop Ahead Sig		per sign	2	\$900.00	
Upgrade Stop Ahead Markin		per marking	0	\$0.00	
Upgrade Stop Ba		per marking	0	\$0.00	
Review Signs and CS	\$2,450	per intersection	0	\$0.00 \$2,300.00	—
ns and Markings and Street Light proje	ct costs vary by the numb	er of minor legs associa	ted with the inters	. ,	
oject Cost Estimate (attach de		Ū	Proposed		nstruction
Federal Fund	ls \$2,070				
Local Match (10% of Total project cos					
Total Project Cos		-			
DOT Control Office Only					
DDOT Central Office Only Dject Accepted?	No	Reference Number			ID Number
tes			I		
					Page: 8
					Page: 8 Intersection ID: 18.01