

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	22½ Street (Nelson 18) and 23½ Street (Nelson 18)
18.05	22½ Street (Nelson 18) and 110th Ave (Nelson 18)

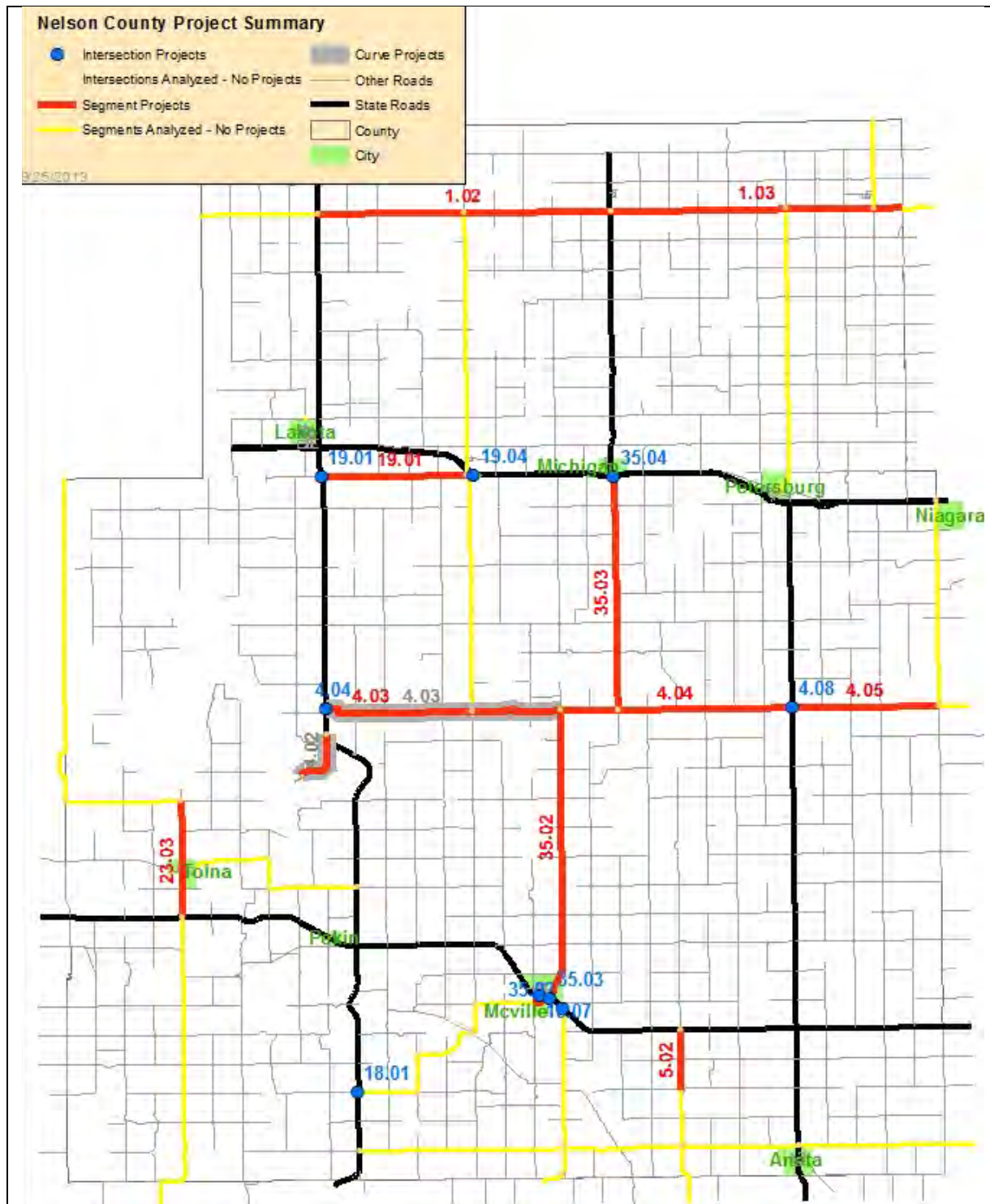


FIGURE 4-9
 Nelson County Projects Location Map

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 113th	8.1	★★	8.1	\$3,240.00
6	5.02	Nelson 5 0	Rail road crossing south of city of Klotten	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

10/23/2013

23 USC 409: NDDOT Reserves All Objections

**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 Assessment
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 Klotten	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

- 1 Risky - NEITHER shoulder or good clear zone
- 2 Either a shoulder OR good clear zone
- 3 BOTH shoulder and a good clear zone

Critical ADT Range - Lane Departure

150
500

	Access	Lane Departure	Critical Radius Curves
Total	589	3	1
Total Mileage	80.7	80.7	80.7
Years		5	
Average Density (Total/Mile)	7.3	0.01	0.01

10/23/2013

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

#	Corridor	Route	#	Start	End	Length	ADT	ADT Range	Lane Departure Density	Access Density	Curve Critical Radius Density	Edge Risk	Tiebreakers		
													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 /	8.1	80				★	★	★★	2	80
6	5.02	Nelson 5	0	Rail road crossing south of city of Klotten	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

Total Stars -- 4
% That Gets Star -- 29%

1 7%
4 29%
6 43%
9 64%

	#	%	Mileage	%
★★★★★	0	0%	0.0	0%
★★★★	0	0%	0.0	0%
★★★	2	14%	15.3	19%
★★	7	50%	34.9	43%
★	4	29%	23.5	29%
	1	7%	7.0	9%
	14	100%	80.7	100%

Stars

ADT Range - If segment has an ADT in the range of most at risk ADT based on Northeast totals. (150 < ADT < 500)

Lane Departure Density - If segment has higher lane departure density than the Northeast average (0.032).

Access Density - If segment has access density than the nationwide average (8).

Curve Critical Radius Density - If segment has higher density of curves with critical radius than the Northeast average (0.084).

Edge Risk Assessment - Edge risk of 2 or 3, based on assessment of roadway edge and clear zone.

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

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with ND 15
End: Intersection with 34th St
Facility Type: 2-Lane
ADT: 184
Road Type Rural Paved
County Road Nelson 35

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 9.9
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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

	Value	Critical	Road
ADT Range	184	150 ≤ ADT ≤ 500	★
RD Density	0.000	0.032	
Access Density	7.4	8.0	
Curve Critical Radius Density	0.202	0.084	★
Edge Risk	2	2 or 3	★
			★★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Qualifies for edge line rumble. Intersection projects suggested on other sheets
4" Edge Lines	Proactive	\$400	9.9	\$3,960	
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	Proactive	\$3,000	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
Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

Nelson 19 from Intersection with ND 1 to Intersection with US Hwy 2

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with ND 1
End: Intersection with US Hwy 2
Facility Type: 2-Lane
ADT: 76
Road Type Rural Paved
County Road Nelson 19

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 5.4
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- Enhancing Emergency Medical Capabilities to Increase Survivability
- Improve Intersection Safety

Describe Current Safety Issues & Systemic Ranking Review

North Dakota Crashes, 2008 - 2012

5 years

	Total	Road Dept	K+A
Crashes	1	1	0
Density (per mile per year)	0.04	0.04	0.00
Rate (per MVM)	1.34	1.34	0.00

	Value	Critical	Road
ADT Range	76	150≤ADT≤500	
RD Density	0.037	0.032	★
Access Density	5.8	8.0	
Curve Critical Radius Density	0.186	0.084	★
Edge Risk	2	2 or 3	★
			★★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Edge line cost includes 4" centerline marking. Intersection projects suggested on other sheets.
4" Edge Lines	Proactive	\$400	10.8	\$4,320	
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	Proactive	\$3,000	0.0	\$0	
6" Center Line	Proactive	\$650	0.0	\$0	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$3,888
Local Match (10% of Total project cost)	\$432
Total Project Cost	\$4,320

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

Page: 2
Segment ID: 19.01
Date: 10/23/2013

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

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with Nelson 4
End: Intersection with South St
Facility Type: 2-Lane
ADT: 171
Road Type Rural Paved
County Road Nelson 35

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 8.1
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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	1
Density (per mile per year)	0.07	0.02	0.02
Rate (per MVM)	1.19	0.40	0.40

	Value	Critical	Road
ADT Range	171	150 ≤ ADT ≤ 500	★
RD Density	0.025	0.032	
Access Density	6.6	8.0	
Curve Critical Radius Density	0.000	0.084	
Edge Risk	2	2 or 3	★
			★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Qualifies for edge line rumble. Intersection projects suggested on other sheets
4" Edge Lines	Proactive	\$400	8.1	\$3,240	
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	Proactive	\$3,000	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
Date: 10/23/2013

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

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with ND 35
End: East Border of Nelson County
Facility Type: 2-Lane
ADT: 129
Road Type Rural Paved
County Road Nelson 1

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 10.0
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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

	Value	Critical	Road
ADT Range	129	150 ≤ ADT ≤ 500	
RD Density	0.000	0.032	
Access Density	5.5	8.0	
Curve Critical Radius Density	0.100	0.084	★
Edge Risk	2	2 or 3	★
			★★



Describe Proposed Safety Improvements

Description	Type	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	
Ground In Wet-Reflective Markings	Proactive	\$8,500	0.0	\$0	
Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0	
6" Center Line	Proactive	\$650	0.0	\$0	

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
Date: 10/23/2013

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

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with ND 1
End: Intersection with Nelson 35 on
Facility Type: 2-Lane
ADT: 80
Road Type Rural Paved
County Road Nelson 4

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 8.1
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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

	Value	Critical	Road
ADT Range	80	150≤ADT≤500	
RD Density	0.000	0.032	
Access Density	7.0	8.0	
Curve Critical Radius Density	0.614	0.084	★
Edge Risk	2	2 or 3	★
			★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Curve and intersection projects suggested on other sheets.
4" Edge Lines	Proactive	\$400	8.1	\$3,240	
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	Proactive	\$3,000	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: 5
Segment ID: 4.03
Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

Nelson 5 from Rail road crossing south of city of Klotten to Intersection with ND 32

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

Start: Rail road crossing south of cil
End: Intersection with ND 32
Facility Type: 2-Lane
ADT: 50
Road Type Rural Paved
County Road Nelson 5

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 2.1
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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

	Value	Critical	Road
ADT Range	50	150≤ADT≤500	
RD Density	0.000	0.032	
Access Density	12.1	8.0	★
Curve Critical Radius Density	0.000	0.084	
Edge Risk	2	2 or 3	★
			★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes -
4" Edge Lines	Proactive	\$400	2.1	\$840	
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	Proactive	\$3,000	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 No Reference Number ID Number

Notes

Page: 6
Segment ID: 5.02
Date: 10/23/2013

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

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with ND 15
End: Intersection with 31th St
Facility Type: 2-Lane
ADT: 374
Road Type Rural Paved
County Road Nelson 23

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 4.0
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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

	Value	Critical	Road
ADT Range	374	150 ≤ ADT ≤ 500	★
RD Density	0.000	0.032	
Access Density	16.5	8.0	★
Curve Critical Radius Density	0.000	0.084	
Edge Risk	1	2 or 3	★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Qualifies for edge line rumble.
4" Edge Lines	Proactive	\$400	4.0	\$1,600	
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	Proactive	\$3,000	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
Segment ID: 23.03
Date: 10/23/2013

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

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with Pavilion Rd
End: Intersection with ND 1
Facility Type: 2-Lane
ADT: 105
Road Type Rural Paved
County Road Nelson 4A

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 2.1
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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

	Value	Critical	Road
ADT Range	105	150 ≤ ADT ≤ 500	
RD Density	0.000	0.032	
Access Density	11.2	8.0	★
Curve Critical Radius Density	1.947	0.084	★
Edge Risk	1	2 or 3	★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Consider combining with other segment projects along Nelson 4. Curve projects suggested on other sheets.
4" Edge Lines	Proactive	\$400	2.1	\$840	
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	Proactive	\$3,000	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 No Reference Number _____ ID Number _____

Notes

Page: 8
Segment ID: 4.02
Date: 10/23/2013

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

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with 112th Ave
End: Intersection with ND 15
Facility Type: 2-Lane
ADT: 75
Road Type Rural Paved
County Road Nelson 18

Lane Width: 12'
Speed Limit: Low
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 0.5
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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

	Value	Critical	Road
ADT Range	75	150≤ADT≤500	
RD Density	0.000	0.032	
Access Density	27.6	8.0	★
Curve Critical Radius Density	2.124	0.084	★
Edge Risk	1	2 or 3	★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Consider combining with intersection projects along Nelson 18. Intersection projects suggested on other sheets.
4" Edge Lines	Proactive	\$400	0.5	\$200	
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	Proactive	\$3,000	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 No Reference Number ID Number

Notes

Page: 9
Segment ID: 18.02
Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

Nelson 4 from Intersection with Nelson 35 on 113th Ave to Intersection with ND 32

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with Nelson 35 or Lane Width: 12'
End: Intersection with ND 32 Speed Limit: High
Facility Type: 2-Lane Shoulder Width: 2'
ADT: 105 Shoulder Type: Paved
Road Type Rural Paved Length (miles): 8.0
County Road Nelson 4 Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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	5	0	0
Density (per mile per year)	0.13	0.00	0.00
Rate (per MVM)	3.27	0.00	0.00

	Value	Critical	Road
ADT Range	105	150 ≤ ADT ≤ 500	
RD Density	0.000	0.032	
Access Density	5.4	8.0	
Curve Critical Radius Density	0.000	0.084	
Edge Risk	2	2 or 3	★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Intersection projects suggested 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	
Ground In Wet-Reflective Markings	Proactive	\$8,500	0.0	\$0	
Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0	
6" Center Line	Proactive	\$650	0.0	\$0	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$2,880
Local Match (10% of Total project cost)	\$320
Total Project Cost	\$3,200

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

Page: 10
Segment ID: 4.04
Date: 10/23/2013

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
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with ND 32
End: Intersection with 49th St
Facility Type: 2-Lane
ADT: 95
Road Type Rural Paved
County Road Nelson 4

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 5.0
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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

	Value	Critical	Road
ADT Range	95	150 ≤ ADT ≤ 500	
RD Density	0.000	0.032	
Access Density	7.0	8.0	
Curve Critical Radius Density	0.000	0.084	
Edge Risk	2	2 or 3	★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Intersection projects suggested on other sheets.
4" Edge Lines	Proactive	\$400	5.0	\$2,000	
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	Proactive	\$3,000	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
Date: 10/23/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

Nelson 1 from Intersection with ND 1 to Intersection with ND 35

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Start: Intersection with ND 1
End: Intersection with ND 35
Facility Type: 2-Lane
ADT: 86
Road Type Rural Paved
County Road Nelson 1

Lane Width: 12'
Speed Limit: High
Shoulder Width: 2'
Shoulder Type: Paved
Length (miles): 10.0
Rumble Installed: No

SHSP Emphasis Area (check all that apply)

- Reduce Alcohol Impaired Driving
- Increase the Use of Safety Restraints for all Occupants
- Younger Driver/Older Driver Safety
- Curb Aggressive Driving
- Improvements to Address Lane Departure Crashes
- 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	7	1	0
Density (per mile per year)	0.14	0.02	0.00
Rate (per MVM)	4.45	0.64	0.00

	Value	Critical	Road
ADT Range	86	150 ≤ ADT ≤ 500	
RD Density	0.020	0.032	
Access Density	6.8	8.0	
Curve Critical Radius Density	0.000	0.084	
Edge Risk	2	2 or 3	★



Describe Proposed Safety Improvements

Description	Type	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	
Ground In Wet-Reflective Markings	Proactive	\$8,500	0.0	\$0	
Center Line Rumble Strip	Proactive	\$3,000	0.0	\$0	
6" Center Line	Proactive	\$650	0.0	\$0	

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: 12
Segment ID: 1.02
Date: 10/23/2013

Nelson County Curves

Curve Count	ID	Corridor	Segment	Start	End	Curve Advisory Sign	Speed Advisory Sign	Chevrons	Crashes			Radius (ft)	ADT	Intersection on Curve	Visual Trap	Speed Limit	Risk Ranking	Notes
									Total	K	A							
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	**	
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	*	
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		
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		
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		
10	004I	4.03	Nelson 4	Intersection with ND 1	Intersection with Nelson 35 on 113th Ave	Yes	No	No	-	-	-	2100	80	No	No	High		
11	018A	18.02	Nelson 18	Intersection with 112th Ave	Intersection with ND 15	Yes	No	No	-	-	-	200	75	No	Yes	Low	*	
12	019A	19.01	Nelson 19	Intersection with ND 1	Intersection with US Hwy 2	No	No	No	-	-	-	200	76	Yes	No	High	*	
13	035A	35.02	Nelson 35	Intersection with ND 15	Intersection with 34th St	No	No	No	-	-	-	1750	184	No	No	High		
14	035B	35.02	Nelson 35	Intersection with ND 15	Intersection with 34th St	No	No	No	-	-	-	8500	184	Yes	No	High	*	

Stars	#	Total	%
*****	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

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

Curves on Nelson 4A from Intersection with Pavilion Rd to Intersection with ND 1

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project.

Location Description (Corridor Containing Curves)

Start: Intersection with Pavilion Rd End: Intersection with ND 1 Facility Type: 2-Lane ADT: 105 Road Type Rural Paved County Road Nelson 4A	Lane Width: 12' Speed Limit: High Shoulder Width: 2' Shoulder Type: Paved Length (miles): 2.1 Rumble Installed: No	<input type="checkbox"/> SHSP Emphasis Area (check all that apply) <input type="checkbox"/> Reduce Alcohol Impaired Driving <input type="checkbox"/> Increase the Use of Safety Restraints for all Occupants <input type="checkbox"/> Younger Driver/Older Driver Safety <input type="checkbox"/> Curb Aggressive Driving <input checked="" type="checkbox"/> Improvements to Address Lane Departure Crashes <input type="checkbox"/> Enhancing Emergency Medical Capabilities to Increase Survivability <input type="checkbox"/> Improve Intersection Safety
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Describe Current Safety Issues & Systemic Ranking Review

North Dakota Crashes, 2008 - 2012 5 years

Curve ID	K	A	Radius (ft)	ADT	Intersection on Curve	Visual Trap	Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius	Sign Improvement Project	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	Advisory Speed Plaque
004A	0	0	300	105	No	No		x	-	Chevron	-	-	x	35
004B	0	0	350	105	Yes	Yes	**	x	-	Chevron	-	-	x	35
004C	0	0	350	105	Yes	Yes	**	x	-	Chevron	-	-	x	35
004D	0	0	100	105	Yes	Yes	**	x	-	Arrow	-	-	x	Inspect Curve

*Curve numbering not consecutive, as some curves may have been removed from further analysis because a large radius, located on a gravel road, etc

Ranking Criteria

Criteria	Curves are selected for project if:
Severe Crashes > 0	- 3 or more *s
Radius 500 to 1200	- x in Proximity or Existing Chevron column
ADT 350 to 650	- within Critical Radius
Intersection on Curve Yes	
Visual Trap Yes	

Describe Proposed Safety Improvements

Description	Type	Unit Cost	Quantity	Total cost	Notes - Segment projects suggested on other sheets
Chevrons	Proactive	\$3,300 per curve	3	\$9,900	
Arrow Board Only	Proactive	\$500 per curve	1	\$500	
Advance Warning Sign/Speed Advisory Plaque	Proactive	\$800 per curve	4	\$3,200	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.0 miles	\$0	
Shoulder Paving	Proactive	\$37,000 per mile	.0 miles	\$0	
				\$13,600	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$12,240
Local Match (10% of Total project cost)	\$1,360
Total Project Cost	\$13,600

NDDOT Central Office Only

Project Accepted?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Reference Number	ID Number
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Notes

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

Curves on Nelson 4 from Intersection with ND 1 to Intersection with Nelson 35 on 113th Ave

Agency Name: Nelson County
Contact Name: Richard Urvand
Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6
Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project.

Location Description (Corridor Containing Curves)

Start: Intersection with ND 1 End: Intersection with Nelson 35 on 113th A Facility Type: 2-Lane ADT: 80 Road Type Rural Paved County Road Nelson 4	Lane Width: 12' Speed Limit: High Shoulder Width: 2' Shoulder Type: Paved Length (miles): 8.1 Rumble Installed: No	<input type="checkbox"/> SHSP Emphasis Area (check all that apply) <input type="checkbox"/> Reduce Alcohol Impaired Driving <input type="checkbox"/> Increase the Use of Safety Restraints for all Occupants <input type="checkbox"/> Younger Driver/Older Driver Safety <input type="checkbox"/> Curb Aggressive Driving <input checked="" type="checkbox"/> Improvements to Address Lane Departure Crashes <input type="checkbox"/> Enhancing Emergency Medical Capabilities to Increase Survivability <input type="checkbox"/> Improve Intersection Safety
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Describe Current Safety Issues & Systemic Ranking Review

North Dakota Crashes, 2008 - 2012 5 years

Curve ID	K	A	Radius (ft)	ADT	Intersection on Curve	Visual Trap	Risk Ranking	Proximity or Existing Chevrons	High Priority Segment + Critical Radius	Sign Improvement Project	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	Advisory Speed Plaque
004E	0	0	1150	80	No	No	*	-	x	Chevron	-	-	-	-
004F	0	0	1250	80	No	No		x	-	-	-	-	-	-
004G	0	0	1650	80	No	No		x	-	-	-	-	-	-
004H	0	0	1900	80	No	No		x	-	-	-	-	-	-
004I	0	0	2100	80	No	No		x	-	-	-	-	-	-

*Curve numbering not consecutive, as some curves may have been removed from further analysis because a large radius, located on a gravel road, etc

Ranking Criteria

Criteria	Curves are selected for project if:
Severe Crashes > 0	- 3 or more *s
Radius 500 to 1200	- x in Proximity or Existing Chevron column
ADT 350 to 650	- within Critical Radius
Intersection on Curve Yes	
Visual Trap Yes	

Describe Proposed Safety Improvements

Description	Type	Unit Cost	Quantity	Total cost	Notes - Segment and intersection projects suggested on other sheets.
Chevrons	Proactive	\$3,300 per curve	1	\$3,300	
Arrow Board Only	Proactive	\$500 per curve	0	\$0	
Advance Warning Sign/Speed Advisory Plaque	Proactive	\$800 per curve	0	\$0	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.0 miles	\$0	
Shoulder Paving	Proactive	\$37,000 per mile	.0 miles	\$0	
				\$3,300	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$2,970
Local Match (10% of Total project cost)	\$330
Total Project Cost	\$3,300

NDDOT Central Office Only

Project Accepted? <input type="checkbox"/> Yes <input type="checkbox"/> No	Reference Number	ID Number
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Notes

**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	★★★★★	-	x	\$3,700
2	35.04	115th Ave (Nelson 35) & US 2/ND 35	★★★★	x	x	\$9,700
3	35.03	113th Ave (Nelson 35) & ND 15 (W)	★★★★	x	x	\$7,850
4	19.01	42nd St (Nelson 19) & ND 1	★★★	-	x	\$3,000
5	19.04	42nd St (Nelson 19) & US 2	★★★	-	x	\$1,850
6	35.02	113th Ave (Nelson 35) & ND 15 (E)	★★★	-	x	\$2,300
7	4.04	34th St (Nelson 4) & ND 1 (N)	★★	-	x	\$3,700
8	4.08	34th St (Nelson 4) & ND 32	★★	-	x	\$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	Crash 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	Development	RR Xing	Previous STOP (>5mi)	Total Crashes	ADT Cross Product >100,000	Priority	Crash Cost
1	18.07	Main St (Nelson 18) & ND 15	*		*	*	*	*	*	*****	\$ -
2	35.03	113th Ave (Nelson 35) & ND 15 (W)		*			*	*	*	*****	\$ 824,000
3	35.04	115th Ave (Nelson 35) & US 2/ND 35		*	*		*	*	*	*****	\$ -
4*	18.04	22 1/2 St (Nelson 18) & 23 1/2 St (Nelson 18)	*	*			*	*	*	****	\$ -
5*	18.05	22 1/2 St (Nelson 18) & 110th Ave (Nelson 18)	*	*			*	*	*	****	\$ -
6	19.01	42nd St (Nelson 19) & ND 1	*	*			*	*	*	****	\$ -
7	19.04	42nd St (Nelson 19) & US 2		*			*	*	*	****	\$ -
8	35.02	113th Ave (Nelson 35) & ND 15 (E)	*			*	*	*	*	****	\$ -
9	4.04	34th St (Nelson 4) & ND 1 (N)					*	*	*	***	\$ 12,000
10	4.08	34th St (Nelson 4) & ND 32					*	*	*	***	\$ 12,000
11	18.01	21st St (Nelson 18) & ND 1					*	*	*	***	\$ 12,000
12	4.03	105th Ave (Nelson 4A) & ND 1 (S)		*			*	*	*	**	\$ -
13	23.02	100th Ave (Nelson 23) & ND 15					*	*	*	**	\$ -
14	35.01	18th St (Nelson 35) & 113th Ave (Nelson 35)	*	*			*	*	*	**	\$ -
15	1.01	51st St (Nelson 1) & ND 1					*	*	*	*	\$ -
16	1.02	51st St (Nelson 1) & 110th/111th Ave (Nelson 22)					*	*	*	*	\$ -
17	1.03	51st St (Nelson 1) & ND 35					*	*	*	*	\$ -
18	1.04	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	4.07	34th St (Nelson 4) & 115th Ave (Nelson 35) (E)					*	*	*	*	\$ -
23	5.02	117th Ave (Nelson 5) & ND 15					*	*	*	*	\$ -
24	9.01	49th Ave (Nelson 9) & US 2					*	*	*	*	\$ -
25	18.02	21st St (Nelson 18) & 108th Ave (Nelson 18)					*	*	*	*	\$ -
26	18.03	108th Ave (Nelson 18) & 22 1/2 St (Nelson 18)					*	*	*	*	\$ -
27	18.06	110th Ave (Nelson 18) & 24th St (Nelson 18)					*	*	*	*	\$ -
28	19.02	42nd St (Nelson 19) & 111th Ave (Nelson 22) (W)					*	*	*	*	\$ -
29	19.03	42nd St (Nelson 19) & 110th Ave (Nelson 22) (E)					*	*	*	*	\$ -
30	20.01	19th St (Nelson 20) & ND 1					*	*	*	*	\$ -
31	20.02	19th St (Nelson 20) & 113th Ave (Nelson 35)					*	*	*	*	\$ -
32	20.03	19th St (Nelson 20) & ND 32					*	*	*	*	\$ -
33	4.01	31st St (Nelson 4) & 96th Ave (Nelson 27)									\$ -
34	4.02	31st St (Nelson 4) & 100th Ave (Nelson 23)									\$ -
35	4.09	34th St (Nelson 4) & 49th Ave (Nelson 9)									\$ -
36	5.01	116th Ave (Nelson 5) & 19th St (Nelson 20)									\$ -
37	23.01	18th St (Nelson 23) & 98th Ave (Griggs 3)									\$ -
38	24.01	29th St (Nelson 24) & 103rd Ave (Nelson 24)									\$ -
39	24.02	103rd Ave (Nelson 24) & 28th St (Nelson 24)									\$ -
40	24.03	28th St (Nelson 24) & ND 1									\$ -

Totals Total Stars -- 6 8 2 2 31 4 5
 % That Gets Star -- 15% 20% 5% 5% 78% 10% 13%

Stars	#	%
*****	0	0%
*****	0	0%
*****	1	3%
****	2	5%
****	5	13%
***	6	15%
**	18	45%
*	8	20%
-	40	100%

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

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

Main St (Nelson 18) & ND 15

Agency Name: Nelson County

Contact Name: Richard Urvand

Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6

Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Configuration: X Traffic Control Device: Thru Stop
 Configuration (2): Undivided Street Lights: Yes
 Urban/Rural: Rural Flashers: No
 County: Nelson Major Entering ADT: 605
 Entering ADT: 895 Minor Entering ADT: 290

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	0	0	0.00
Rate (per MVM)	0.0	0.0	0.0



	Value	Critical	Risk Ranking
Skew	Yes	Yes	★
On/Near Curve	No	Yes	
Development	Yes	Yes	★
Near RR Crossing	Yes	Yes	★
Distance from previous STOP	Yes	Yes	★
Volume Cross Product	Yes	≥ 100,000	★
Total Crashes	0	>0	

★★★★★

Describe Proposed Safety Improvements

Description	Unit Cost	Units	Cost	Notes -
Roundabout	\$1,000,000 per intersection	0	\$0.00	
Directional Median	\$750,000 per intersection	0	\$0.00	
Mainline Dynamic Warning Sign	\$50,000 per intersection	0	\$0.00	
Close Median	\$25,000 per intersection	0	\$0.00	
Installing Street Lights	\$6,000 per street light	Installed	\$0.00	
Upgrade Stop Sign	\$350 per sign	2	\$700.00	
Upgrade Junction Sign	\$350 per sign	2	\$700.00	
Upgrade Stop Ahead Sign	\$450 per sign	2	\$900.00	
Upgrade Stop Ahead Marking	\$450 per marking	2	\$900.00	
Upgrade Stop Bar	\$250 per marking	2	\$500.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$3,700.00	

Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$3,330
Local Match (10% of Total project cost)	\$370
Total Project Cost	\$3,700

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

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

Contact Name: Richard Urvand

Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6

Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Configuration: X Traffic Control Device: Thru Stop
 Configuration (2): Undivided Street Lights: No
 Urban/Rural: Rural Flashers: No
 County: Nelson Major Entering ADT: 1763
 Entering ADT: 1960 Minor Entering ADT: 198

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	0	0	0.00
Rate (per MVM)	0.0	0.0	0.0



	Value	Critical	Risk Ranking
Skew	No	Yes	
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

Description	Unit Cost	Units	Cost	Notes - Segment projects suggested on other sheets.
Roundabout	\$1,000,000 per intersection	0	\$0.00	
Directional Median	\$750,000 per intersection	0	\$0.00	
Mainline Dynamic Warning Sign	\$50,000 per intersection	0	\$0.00	
Close Median	\$25,000 per intersection	0	\$0.00	
Installing Street Lights	\$6,000 per street light	1	\$6,000.00	
Upgrade Stop Sign	\$350 per sign	2	\$700.00	
Upgrade Junction Sign	\$350 per sign	2	\$700.00	
Upgrade Stop Ahead Sign	\$450 per sign	2	\$900.00	
Upgrade Stop Ahead Marking	\$450 per marking	2	\$900.00	
Upgrade Stop Bar	\$250 per marking	2	\$500.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$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

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

Contact Name: Richard Urvand

Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6

Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Configuration: T Traffic Control Device: Thru Stop
Configuration (2): Undivided Street Lights: No
Urban/Rural: Rural Flashers: No
County: Nelson Major Entering ADT: 765
Entering ADT: 850 Minor Entering ADT: 170

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	1	0	1.00
Rate (per MVM)	0.6	0.0	0.6



	Value	Critical	Risk Ranking
Skew	No	Yes	
On/Near Curve	Yes	Yes	★
Development	No	Yes	
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

Description	Unit Cost	Units	Cost	Notes - Segment projects suggested on other sheets.
Roundabout	\$1,000,000 per intersection	0	\$0.00	
Directional Median	\$750,000 per intersection	0	\$0.00	
Mainline Dynamic Warning Sign	\$50,000 per intersection	0	\$0.00	
Close Median	\$25,000 per intersection	0	\$0.00	
Installing Street Lights	\$6,000 per street light	1	\$6,000.00	
Upgrade Stop Sign	\$350 per sign	1	\$350.00	
Upgrade Junction Sign	\$350 per sign	1	\$350.00	
Upgrade Stop Ahead Sign	\$450 per sign	1	\$450.00	
Upgrade Stop Ahead Marking	\$450 per marking	1	\$450.00	
Upgrade Stop Bar	\$250 per marking	1	\$250.00	
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

Federal Funds	\$7,065
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

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

42nd St (Nelson 19) & ND 1

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

Configuration: X Traffic Control Device: Thru Stop
Configuration (2): Undivided Street Lights: No
Urban/Rural: Rural Flashers: No
County: Nelson Major Entering ADT: 590
Entering ADT: 625 Minor Entering ADT: 35

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	0	0	0.00
Rate (per MVM)	0.0	0.0	0.0



	Value	Critical	Risk Ranking
Skew	Yes	Yes	★
On/Near Curve	Yes	Yes	★
Development	No	Yes	
Near RR Crossing	No	Yes	
Distance from previous STOP	Yes	Yes	★
Volume Cross Product	No	≥ 100,000	
Total Crashes	0	>0	
			★★★

Describe Proposed Safety Improvements

Description	Unit Cost	Units	Cost	Notes - Segment projects suggested on other sheets.
Roundabout	\$1,000,000 per intersection	0	\$0.00	
Directional Median	\$750,000 per intersection	0	\$0.00	
Mainline Dynamic Warning Sign	\$50,000 per intersection	0	\$0.00	
Close Median	\$25,000 per intersection	0	\$0.00	
Installing Street Lights	\$6,000 per street light	0	\$0.00	
Upgrade Stop Sign	\$350 per sign	2	\$700.00	
Upgrade Junction Sign	\$350 per sign	2	\$700.00	
Upgrade Stop Ahead Sign	\$450 per sign	2	\$900.00	
Upgrade Stop Ahead Marking	\$450 per marking	1	\$450.00	
Upgrade Stop Bar	\$250 per marking	1	\$250.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$3,000.00	

Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$2,700
Local Match (10% of Total project cost)	\$300
Total Project Cost	\$3,000

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

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

Contact Name: Richard Urvand

Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6

Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Configuration: T Traffic Control Device: Thru Stop
Configuration (2): Undivided Street Lights: No
Urban/Rural: Rural Flashers: No
County: Nelson Major Entering ADT: 2180
Entering ADT: 2215 Minor Entering ADT: 70

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	0	0	0.00
Rate (per MVM)	0.0	0.0	0.0



	Value	Critical	Risk Ranking
Skew	No	Yes	
On/Near Curve	Yes	Yes	★
Development	No	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

Description	Unit Cost	Units	Cost	Notes - Qualifies for street light. Segment projects suggested on other sheets.
Roundabout	\$1,000,000 per intersection	0	\$0.00	
Directional Median	\$750,000 per intersection	0	\$0.00	
Mainline Dynamic Warning Sign	\$50,000 per intersection	0	\$0.00	
Close Median	\$25,000 per intersection	0	\$0.00	
Installing Street Lights	\$6,000 per street light	0	\$0.00	
Upgrade Stop Sign	\$350 per sign	1	\$350.00	
Upgrade Junction Sign	\$350 per sign	1	\$350.00	
Upgrade Stop Ahead Sign	\$450 per sign	1	\$450.00	
Upgrade Stop Ahead Marking	\$450 per marking	1	\$450.00	
Upgrade Stop Bar	\$250 per marking	1	\$250.00	
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

Federal Funds	\$1,665
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

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

113th Ave (Nelson 35) & ND 15 (E)

Agency Name: Nelson County

Contact Name: Richard Urvand

Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6

Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Configuration: X Traffic Control Device: Thru Stop
 Configuration (2): Undivided Street Lights: No
 Urban/Rural: Rural Flashers: No
 County: Nelson Major Entering ADT: 683
 Entering ADT: 727 Minor Entering ADT: 45

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	0	0	0.00
Rate (per MVM)	0.0	0.0	0.0

	Value	Critical	Risk Ranking
Skew	Yes	Yes	★
On/Near Curve	No	Yes	
Development	No	Yes	
Near RR Crossing	Yes	Yes	★
Distance from previous STOP	Yes	Yes	★
Volume Cross Product	No	≥ 100,000	
Total Crashes	0	>0	

★★★



Describe Proposed Safety Improvements

Description	Unit Cost	Units	Cost	Notes -
Roundabout	\$1,000,000	per intersection	0	\$0.00
Directional Median	\$750,000	per intersection	0	\$0.00
Mainline Dynamic Warning Sign	\$50,000	per intersection	0	\$0.00
Close Median	\$25,000	per intersection	0	\$0.00
Installing Street Lights	\$6,000	per street light	0	\$0.00
Upgrade Stop Sign	\$350	per sign	2	\$700.00
Upgrade Junction Sign	\$350	per sign	2	\$700.00
Upgrade Stop Ahead Sign	\$450	per sign	2	\$900.00
Upgrade Stop Ahead Marking	\$450	per marking	0	\$0.00
Upgrade Stop Bar	\$250	per marking	0	\$0.00
Review Signs and CST	\$2,450	per intersection	0	\$0.00
			\$2,300.00	

Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$2,070
Local Match (10% of Total project cost)	\$230
Total Project Cost	\$2,300

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

34th St (Nelson 4) & ND 1 (N)

Agency Name: Nelson County

Contact Name: Richard Urvand

Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6

Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Configuration: T Traffic Control Device: Thru Stop
Configuration (2): Undivided Street Lights: No
Urban/Rural: Rural Flashers: No
County: Nelson Major Entering ADT: 500
Entering ADT: 540 Minor Entering ADT: 80

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	1	0	0.00
Rate (per MVM)	1.0	0.0	0.0



	Value	Critical	Risk Ranking
Skew	No	Yes	
On/Near Curve	No	Yes	
Development	No	Yes	
Near RR Crossing	No	Yes	
Distance from previous STOP	Yes	Yes	★
Volume Cross Product	No	≥ 100,000	
Total Crashes	1	>0	★★

Describe Proposed Safety Improvements

Description	Unit Cost	Units	Cost	Notes - Segment and curve projects suggested on other sheets.
Roundabout	\$1,000,000 per intersection	0	\$0.00	
Directional Median	\$750,000 per intersection	0	\$0.00	
Mainline Dynamic Warning Sign	\$50,000 per intersection	0	\$0.00	
Close Median	\$25,000 per intersection	0	\$0.00	
Installing Street Lights	\$6,000 per street light	0	\$0.00	
Upgrade Stop Sign	\$350 per sign	2	\$700.00	
Upgrade Junction Sign	\$350 per sign	2	\$700.00	
Upgrade Stop Ahead Sign	\$450 per sign	2	\$900.00	
Upgrade Stop Ahead Marking	\$450 per marking	2	\$900.00	
Upgrade Stop Bar	\$250 per marking	2	\$500.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$3,700.00	

Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$3,330
Local Match (10% of Total project cost)	\$370
Total Project Cost	\$3,700

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

34th St (Nelson 4) & ND 32

Agency Name: Nelson County

Contact Name: Richard Urvand

Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6

Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Configuration: X Traffic Control Device: Thru Stop
 Configuration (2): Undivided Street Lights: No
 Urban/Rural: Rural Flashers: No
 County: Nelson Major Entering ADT: 238
 Entering ADT: 335 Minor Entering ADT: 98

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	1	0	0.00
Rate (per MVM)	1.6	0.0	0.0



	Value	Critical	Risk Ranking
Skew	No	Yes	
On/Near Curve	No	Yes	
Development	No	Yes	
Near RR Crossing	No	Yes	
Distance from previous STOP	Yes	Yes	★
Volume Cross Product	No	≥ 100,000	
Total Crashes	1	>0	★★

Describe Proposed Safety Improvements

Description	Unit Cost	Units	Cost	Notes - Segment projects suggested on other sheets.
Roundabout	\$1,000,000 per intersection	0	\$0.00	
Directional Median	\$750,000 per intersection	0	\$0.00	
Mainline Dynamic Warning Sign	\$50,000 per intersection	0	\$0.00	
Close Median	\$25,000 per intersection	0	\$0.00	
Installing Street Lights	\$6,000 per street light	0	\$0.00	
Upgrade Stop Sign	\$350 per sign	2	\$700.00	
Upgrade Junction Sign	\$350 per sign	2	\$700.00	
Upgrade Stop Ahead Sign	\$450 per sign	2	\$900.00	
Upgrade Stop Ahead Marking	\$450 per marking	2	\$900.00	
Upgrade Stop Bar	\$250 per marking	2	\$500.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$3,700.00	

Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$3,330
Local Match (10% of Total project cost)	\$370
Total Project Cost	\$3,700

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

North Dakota Department of Transportation Programming
SFN 59959 (06-2011)

21st St (Nelson 18) & ND 1

Agency Name: Nelson County

Contact Name: Richard Urvand

Email Address: nelsonhwy@gondtc.com

ND DOT District: 3/6

Telephone Number: 701-322-4433

Please attach a location map(s). You may use additional sheets to further describe your project

Location Description

Configuration: X Traffic Control Device: Thru Stop
 Configuration (2): Undivided Street Lights: Unknown
 Urban/Rural: Rural Flashers: Unknown
 County: Nelson Major Entering ADT: 240
 Entering ADT: 262 Minor Entering ADT: 22

- SHSP Emphasis Area (check all that apply)
- Reduce Alcohol Impaired Driving
 - Increase the Use of Safety Restraints for all Occupants
 - Younger Driver/Older Driver Safety
 - Curb Aggressive Driving
 - Improvements to Address Lane Departure Crashes
 - 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	Angle	K+A
Crashes	1	0	0.00
Rate (per MVM)	2.1	0.0	0.0



	Value	Critical	Risk Ranking
Skew	No	Yes	
On/Near Curve	No	Yes	
Development	No	Yes	
Near RR Crossing	No	Yes	
Distance from previous STOP	Yes	Yes	★
Volume Cross Product	No	≥ 100,000	
Total Crashes	1	>0	★★

Describe Proposed Safety Improvements

Description	Unit Cost	Units	Cost	Notes - Segment projects suggested on other sheets.
Roundabout	\$1,000,000 per intersection	0	\$0.00	
Directional Median	\$750,000 per intersection	0	\$0.00	
Mainline Dynamic Warning Sign	\$50,000 per intersection	0	\$0.00	
Close Median	\$25,000 per intersection	0	\$0.00	
Installing Street Lights	\$6,000 per street light	0	\$0.00	
Upgrade Stop Sign	\$350 per sign	2	\$700.00	
Upgrade Junction Sign	\$350 per sign	2	\$700.00	
Upgrade Stop Ahead Sign	\$450 per sign	2	\$900.00	
Upgrade Stop Ahead Marking	\$450 per marking	0	\$0.00	
Upgrade Stop Bar	\$250 per marking	0	\$0.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$2,300.00	

Signs and Markings and Street Light project costs vary by the number of minor legs associated with the intersection.

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$2,070
Local Match (10% of Total project cost)	\$230
Total Project Cost	\$2,300

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes