

Ramsey County

The total project cost suggested for Ramsey County is \$1,294,520. The project cost breakout for intersection, roadway segment, and curve projects are listed in Table 4-6. High-priority locations that received a project are shown in Figure 4-11. These locations are described in further detail in Appendix 4D along with priority rankings and suggested project sheets.

TABLE 4-6
 Ramsey County Project Costs

Project Type	Cost
Intersections	\$1,005,750
Roadway Segments	\$179,940
Curves	\$108,830
Total	\$1,294,520

One intersection is suggested for geometric review during the next capital improvement project (Table 4-7). 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 4-7
 Ramsey County Capital Improvement Project Consideration

Intersection ID	Intersection Description
500.02	100th Avenue and 100th Avenue

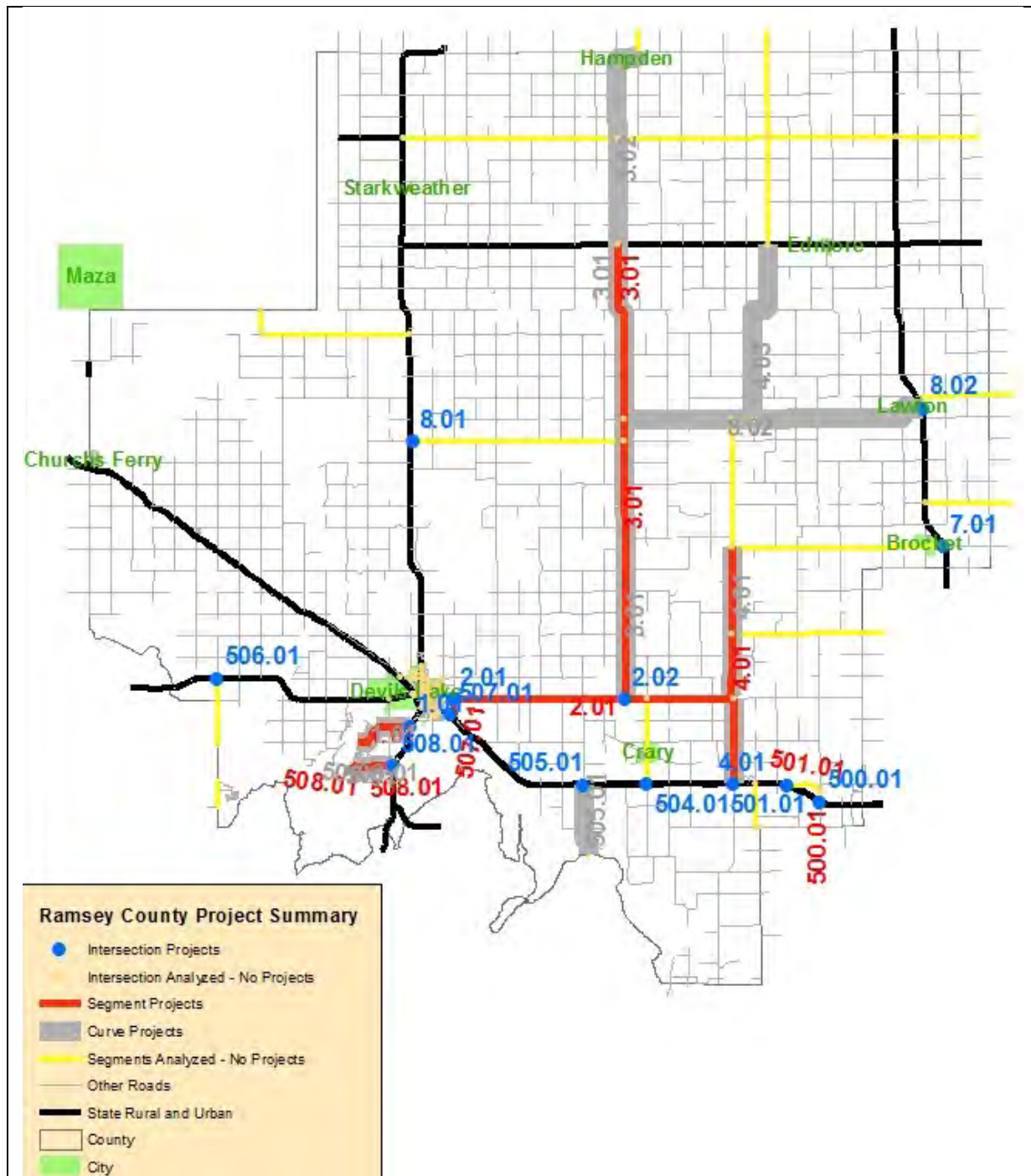


FIGURE 4-11
 Ramsey County Projects Location Map

23 USC 409
NDDOT Reserves All Objections

**Ramsey County
Rural Segment Projects**

Page	Corridor ID	Route #	Start	End	Length	Risk Ranking	6" Edge Lines	Edge Rumble Strip	6" Center Line	Project Cost (\$)
1	1.01	Ramsey 1	Start of Ramsey 1	Intersection with ND 20	3.8	★★★★	3.8	0.0	3.8	\$4,940.00
2	4.01	Ramsey 4	Intersection with US 2	Intersection with 55th Street	13.0	★★★	0.0	13.0	0.0	\$45,500.00
3	2.01	Ramsey 2	Intersection with Elks Drive	Intersection with 96th Avenue	13.0	★★★	0.0	13.0	0.0	\$45,500.00
4	3.01	Ramsey 3	Intersection with 48th Street	Intersection with ND 17	21.2	★★★	0.0	21.2	0.0	\$74,200.00
5	507.01	No designation	Intersection with US 2	Intersection with 48th Street	0.8	★★★	0.0	0.8	0.0	\$2,800.00
6	508.01	No designation	End of road at lake	Intersection with ND 20	2.0	★★★	0.0	2.0	0.0	\$7,000.00
							3.8	50.0	3.8	\$179,940.00

**Ramsey 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
1	1.01	Ramsey 1	Start of Ramsey 1	Intersection with ND 20	3.8	4	1,791	0.21	12.6	0.52	2
3	2.01	Ramsey 2	Intersection with Elks Drive	Intersection with 96th Avenue	13.0	3	486	0.05	7.6	0.00	2
4	3.01	Ramsey 3	Intersection with 48th Street	Intersection with ND 17	21.2	2	263	0.02	5.9	0.09	2
	3.02	Ramsey 3	Intersection with ND 17	Ramsey/Cavalier County Line	9.8	0	222	0.00	7.2	0.20	1
2	4.01	Ramsey 4	Intersection with US 2	Intersection with 55th Street	13.0	0	166	0.00	5.7	0.31	3
	4.03	Ramsey 4	Intersection with 61st Street	Intersection with ND 17	8.7	0	60	0.00	6.2	0.23	2
	7.02	Ramsey 7	Intersection with 105th Avenue	Intersection with ND 1 (S)	0.9	0	187	0.00	16.8	0.00	1
	8.01	Ramsey 8	Intersection with ND 20 / 81st Avenue	Intersection with 91st Avenue (S)	10.0	1	168	0.02	6.6	0.00	2
	8.02	Ramsey 8	Intersection with 91st Avenue (N)	Intersection with ND 1	14.3	0	89	0.00	7.8	0.28	2
	9.02	Ramsey 9	Intersection with ND 1	Ramsey / Walsh County Line	9.0	1	31	0.02	7.2	0.00	1
	504.01	No designation	Crary south city limit (approx 1250 feet south of Lyle Street intersection)	Crary south city limit (approx 1250 feet south of Lyle Street intersection)	1.6	0	210	0.00	22.7	0.00	1
	505.01	Woods_Rutten Road	Ramsey/Benson County Line	Intersection with US 2	3.3	0	530	0.00	4.5	0.90	3
	506.01	Grahams Island Road	Intersection with 43rd Street	Intersection where 72nd tees into Park Avenue	1.2	0	140	0.00	6.6	0.00	3
	506.02	Grahams Island Road	Intersection with 48th Street	Intersection with ND 19	3.1	0	145	0.00	4.8	0.00	3
5	507.01	No designation	Intersection with US 2	Intersection with 48th Street	0.8	1	666	0.25	15.3	1.27	1
6	508.01	No designation	End of road at lake	Intersection with ND 20	2.0	0	458	0.00	14.1	0.50	1
					115.7	12					

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	842	12	15
Total Mileage	115.7	115.7	115.7
Years		5	
Average Density (Total/Mile)	7.3	0.02	0.13

Ramsey 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	1.01	Ramsey 1	Start of Ramsey 1	Intersection with ND 20	3.8	1,791		*	*	*	*	****	2	1,791
2	4.01	Ramsey 4	Intersection with US 2	Intersection with 55th Street	13	165.5	*			*	*	***	3	166
3	2.01	Ramsey 2	Intersection with Elks Drive	Intersection with 96th Avenue	13	486.25	*	*			*	***	2	486
4	3.01	Ramsey 3	Intersection with 48th Street	Intersection with ND 17	21.2	263	*			*	*	***	2	263
5	507.01	No designation	Intersection with US 2	Intersection with 48th Street	0.8	666		*	*	*	*	***	1	666
6	508.01	No designation	End of road at lake	Intersection with ND 20	2	457.5	*		*	*	*	***	1	458
7	505.01	Woods_Rutten Road	Ramsey/Benson County Line	Intersection with US 2	3.3	530				*	*	**	3	530
8	8.01	Ramsey 8	Intersection with ND 20 / 81st Avenue	Intersection with 91st Avenue (S)	10	168.25	*				*	**	2	168
9	8.02	Ramsey 8	Intersection with 91st Avenue (N)	Intersection with ND 1	14.3	88.5				*	*	**	2	89
10	4.03	Ramsey 4	Intersection with 61st Street	Intersection with ND 17	8.7	60				*	*	**	2	60
13	3.02	Ramsey 3	Intersection with ND 17	Ramsey/Cavalier County Line	9.8	221.5	*			*	*	**	1	222
14	504.01	No designation	Crary south city limit (approx 1250 feet south of Lyle Street intersection)	Crary south city limit (approx 1250 feet south of Lyle Street intersection)	1.6	210	*		*		*	**	1	210
15	7.02	Ramsey 7	Intersection with 105th Avenue	Intersection with ND 1 (S)	0.9	186.5	*		*		*	**	1	187
16	506.02	Grahams Island Road	Intersection with 48th Street	Intersection with ND 19	3.1	145					*	*	3	145
17	506.01	Grahams Island Road	Intersection with 43rd Street	Intersection where 72nd tees into Park Avenue	1.2	140					*	*	3	140
18	9.02	Ramsey 9	Intersection with ND 1	Ramsey / Walsh County Line	9	31					*	*	1	31
							Total Stars --	8	3	5	9	10		
							% That Gets Star --	50%	19%	31%	56%	63%		

#	%	%
****	0	0%
***	1	6%
**	5	31%
*	7	44%
	2	13%
	1	6%
	16	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)

Ramsey 1 from Start of Ramsey 1 to Intersection with ND 20

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description

Start: Start of Ramsey 1
End: Intersection with ND 20
Facility Type: 2-Lane
ADT: 1791
Road Type Rural Paved
County Road Ramsey 1

Lane Width: 12'
Speed Limit: High
Shoulder Width: 1'
Shoulder Type: Paved
Length (miles): 3.8
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	21	3	0
Density (per mile per year)	1.11	0.16	0.00
Rate (per MVM)	1.69	0.24	0.00

	Value	Critical	Road
ADT Range	1,791	150≤ADT≤500	
RD Density	0.210	0.032	★
Access Density	12.6	8.0	★
Curve Critical Radius Density	0.524	0.084	★
Edge Risk	2	2 or 3	★
			★★★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Noise Sensitive. Curve and intersection projects suggested on other sheets.
4" Edge Lines	Proactive	\$400	0.0	\$0	
6" Edge Lines	Proactive	\$650	3.8	\$2,470	
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	3.8	\$2,470	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$4,446
Local Match (10% of Total project cost)	\$494
Total Project Cost	\$4,940

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

Page: 1
Segment ID: 1.01
Date: 10/24/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

Ramsey 4 from Intersection with US 2 to Intersection with 55th Street

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description

Start: Intersection with US 2
End: Intersection with 55th Street
Facility Type: 2-Lane
ADT: 166
Road Type Rural Paved
County Road Ramsey 4

Lane Width: 12'
Speed Limit: High
Shoulder Width: 1'
Shoulder Type: Paved
Length (miles): 13.0
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)	0.09	0.00	0.00
Rate (per MVM)	1.53	0.00	0.00

	Value	Critical	Road
ADT Range	166	150≤ADT≤500	★
RD Density	0.000	0.032	
Access Density	5.7	8.0	
Curve Critical Radius Density	0.307	0.084	★
Edge Risk	3	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	0.0	\$0	
6" Edge Lines	Proactive	\$650	0.0	\$0	
Edge Rumble Strip	Proactive	\$3,500	13.0	\$45,500	
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	\$40,950
Local Match (10% of Total project cost)	\$4,550
Total Project Cost	\$45,500

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

Page: 2
Segment ID: 4.01
Date: 10/24/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

Ramsey 2 from Intersection with Elks Drive to Intersection with 96th Avenue

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description

Start: Intersection with Elks Drive Lane Width: 12'
End: Intersection with 96th Avenue Speed Limit: High
Facility Type: 2-Lane Shoulder Width: 2'
ADT: 486 Shoulder Type: Paved
Road Type Rural Paved Length (miles): 13.0
County Road Ramsey 2 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	19	3	0
Density (per mile per year)	0.29	0.05	0.00
Rate (per MVM)	1.65	0.26	0.00

	Value	Critical	Road
ADT Range	486	150≤ADT≤500	★
RD Density	0.046	0.032	★
Access Density	7.6	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 - Intersection projects suggested on other sheets.
4" Edge Lines	Proactive	\$400	0.0	\$0	
6" Edge Lines	Proactive	\$650	0.0	\$0	
Edge Rumble Strip	Proactive	\$3,500	13.0	\$45,500	
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	\$40,950
Local Match (10% of Total project cost)	\$4,550
Total Project Cost	\$45,500

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

Page: 3
Segment ID: 2.01
Date: 10/24/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

Ramsey 3 from Intersection with 48th Street to Intersection with ND 17

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description

Start: Intersection with 48th Street Lane Width: 12'
End: Intersection with ND 17 Speed Limit: High
Facility Type: 2-Lane Shoulder Width: 2'
ADT: 263 Shoulder Type: Paved
Road Type Rural Paved Length (miles): 21.2
County Road Ramsey 3 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	2	0
Density (per mile per year)	0.07	0.02	0.00
Rate (per MVM)	0.69	0.20	0.00

	Value	Critical	Road
ADT Range	263	150≤ADT≤500	★
RD Density	0.019	0.032	
Access Density	5.9	8.0	
Curve Critical Radius Density	0.094	0.084	★
Edge Risk	2	2 or 3	★
			★★★



Describe Proposed Safety Improvements

Description	Type	Cost per mi	Mileage	Cost	Notes - Curve projects suggested on other sheets.
4" Edge Lines	Proactive	\$400	0.0	\$0	
6" Edge Lines	Proactive	\$650	0.0	\$0	
Edge Rumble Strip	Proactive	\$3,500	21.2	\$74,200	
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	\$66,780
Local Match (10% of Total project cost)	\$7,420
Total Project Cost	\$74,200

NDDOT Central Office Only

Project Accepted? Yes No Reference Number _____ ID Number _____

Notes

Page: 4
Segment ID: 3.01
Date: 10/24/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

No designation from Intersection with US 2 to Intersection with 48th Street

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description

Start: Intersection with US 2
End: Intersection with 48th Street
Facility Type: 2-Lane
ADT: 666
Road Type Rural Paved
County Road No designation

Lane Width: 12'
Speed Limit: High
Shoulder Width: 4'
Shoulder Type: Gravel
Length (miles): 0.8
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	1	0
Density (per mile per year)	0.50	0.25	0.00
Rate (per MVM)	2.06	1.03	0.00

	Value	Critical	Road
ADT Range	666	150≤ADT≤500	
RD Density	0.255	0.032	★
Access Density	15.3	8.0	★
Curve Critical Radius Density	1.275	0.084	★
Edge Risk	1	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	0.0	\$0	
6" Edge Lines	Proactive	\$650	0.0	\$0	
Edge Rumble Strip	Proactive	\$3,500	0.8	\$2,800	
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	\$2,520
Local Match (10% of Total project cost)	\$280
Total Project Cost	\$2,800

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

Page: 5
Segment ID: 507.01
Date: 10/24/2013

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

No designation from End of road at lake to Intersection with ND 20

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description

Start: End of road at lake	Lane Width: 12'
End: Intersection with ND 20	Speed Limit: High
Facility Type: 2-Lane	Shoulder Width: 2'
ADT: 458	Shoulder Type: Paved
Road Type Rural Paved	Length (miles): 2.0
County Road No designation	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)	0.30	0.00	0.00
Rate (per MVM)	1.80	0.00	0.00

	Value	Critical	Road
ADT Range	458	150≤ADT≤500	★
RD Density	0.000	0.032	
Access Density	14.1	8.0	★
Curve Critical Radius Density	0.504	0.084	★
Edge Risk	1	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	0.0	\$0	
6" Edge Lines	Proactive	\$650	0.0	\$0	
Edge Rumble Strip	Proactive	\$3,500	2.0	\$7,000	
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	\$6,300
Local Match (10% of Total project cost)	\$700
Total Project Cost	\$7,000

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

Page: 6
Segment ID: 508.01
Date: 10/24/2013

Ramsey 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	Total Severe	K	A							
1	001A	1.01	Ramsey 1	Start of Ramsey 1	Intersection with ND 20	Yes	No	No	-	-	-	-	545	1791	Yes	Yes	High	***	
2	001B	1.01	Ramsey 1	Start of Ramsey 1	Intersection with ND 20	Yes	No	No	1	-	-	-	455	1791	Yes	Yes	High	**	
3	003A	3.01	Ramsey 3	Intersection with 48th Street	Intersection with ND 17	Yes	No	No	1	-	-	-	930	263	No	No	High	**	
4	003B	3.01	Ramsey 3	Intersection with 48th Street	Intersection with ND 17	Yes	No	No	-	-	-	-	965	263	Yes	Yes	High	***	
5	003C	3.02	Ramsey 3	Intersection with ND 17	Ramsey/Cavalier County Line	Yes	No	No	1	-	-	-	1120	222	Yes	Yes	High	***	
6	003D	3.02	Ramsey 3	Intersection with ND 17	Ramsey/Cavalier County Line	Yes	No	No	-	-	-	-	1055	222	Yes	Yes	High	***	
7	004A	4.01	Ramsey 4	Intersection with US 2	Intersection with 55th Street	Yes	No	No	-	-	-	-	1755	166	No	No	High	*	S-Curve
8	004B	4.01	Ramsey 4	Intersection with US 2	Intersection with 55th Street	Yes	No	No	-	-	-	-	850	166	No	No	High	*	S-Curve
9	004C	4.01	Ramsey 4	Intersection with US 2	Intersection with 55th Street	Yes	No	No	-	-	-	-	1175	166	No	No	High	*	S-Curve
10	004D	4.01	Ramsey 4	Intersection with US 2	Intersection with 55th Street	Yes	No	No	-	-	-	-	1460	166	No	No	High	*	S-Curve
11	004E	4.03	Ramsey 4	Intersection with 61st Street	Intersection with ND 17	Yes	Yes	No	-	-	-	-	1160	60	Yes	Yes	High	***	50 MPH
12	004F	4.03	Ramsey 4	Intersection with 61st Street	Intersection with ND 17	No	No	No	-	-	-	-	1105	60	Yes	Yes	High	***	
13	008A	8.02	Ramsey 8	Intersection with 91st Avenue (N)	Intersection with ND 1	Yes	Yes	No	-	-	-	-	550	89	Yes	Yes	High	***	50 MPH
14	008B	8.02	Ramsey 8	Intersection with 91st Avenue (N)	Intersection with ND 1	No	No	No	-	-	-	-	600	89	No	Yes	High	**	
15	008C	8.02	Ramsey 8	Intersection with 91st Avenue (N)	Intersection with ND 1	Yes	No	No	-	-	-	-	380	89	No	No	High	**	
16	008D	8.02	Ramsey 8	Intersection with 91st Avenue (N)	Intersection with ND 1	No	No	No	-	-	-	-	300	89	No	No	High	**	
17	505A	505.01	ods_Rutten R	Ramsey/Benson County Line	Intersection with US 2	Yes	No	No	-	-	-	-	1065	530	Yes	Yes	High	****	
18	505B	505.01	ods_Rutten R	Ramsey/Benson County Line	Intersection with US 2	Yes	No	No	-	-	-	-	660	530	No	No	High	**	
19	505C	505.01	ods_Rutten R	Ramsey/Benson County Line	Intersection with US 2	Yes	No	No	-	-	-	-	720	530	No	No	High	**	
20	507A	507.01	No designator	Intersection with US 2	Intersection with 48th Street	Yes	Yes	No	-	-	-	-	360	666	No	No	High	**	30 MPH
21	508A	508.01	No designator	End of road at lake	Intersection with ND 20	No	No	No	-	-	-	-	600	458	Yes	Yes	High	****	

Stars	Total	
	#	%
*****	0	0%
****	2	9%
***	7	32%
**	4	18%
*	3	14%
	6	27%
	22	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 Ramsey 1 from Start of Ramsey 1 to Intersection with ND 20

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description (Corridor Containing Curves)

Start: Start of Ramsey 1 End: Intersection with ND 20 Facility Type: 2-Lane ADT: 1791 Road Type Rural Paved County Road Ramsey 1	Lane Width: 12' Speed Limit: High Shoulder Width: 1' Shoulder Type: Paved Length (miles): 3.8 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
001A	0	0	545	1791	Yes	Yes	★★★	-	x	Chevron	Inside/Outside	Inside/Outside	x	40
001B	0	0	455	1791	Yes	Yes	★★	x	-	Chevron	Inside/Outside	Inside/Outside	x	35

*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	2	\$6,600	
Arrow Board Only	Proactive	\$500 per curve	0	\$0	
Advance Warning Sign/Speed Advisory Plaque	Proactive	\$800 per curve	2	\$1,600	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.2 miles	\$692	
Shoulder Paving	Proactive	\$37,000 per mile	.2 miles	\$8,533	
				\$17,425	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$15,682
Local Match (10% of Total project cost)	\$1,742
Total Project Cost	\$17,425

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 Ramsey 3 from Intersection with 48th Street to Intersection with ND 17

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.com

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

Location Description (Corridor Containing Curves)

Start: Intersection with 48th Street End: Intersection with ND 17 Facility Type: 2-Lane ADT: 263 Road Type Rural Paved County Road Ramsey 3	Lane Width: 12' Speed Limit: High Shoulder Width: 2' Shoulder Type: Paved Length (miles): 21.2 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
003A	0	0	930	263	No	No	★	-	x	Chevron	-	Inside/Outside	x	50
003B	0	0	965	263	Yes	Yes	★★★	-	x	Chevron	-	Inside/Outside	x	50

*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	2	\$6,600	
Arrow Board Only	Proactive	\$500 per curve	0	\$0	
Advance Warning Sign/Speed Advisory Plaque	Proactive	\$800 per curve	2	\$1,600	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.3 miles	\$978	
Shoulder Paving	Proactive	\$37,000 per mile	.0 miles	\$0	
				\$9,178	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$8,260
Local Match (10% of Total project cost)	\$918
Total Project Cost	\$9,178

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 Ramsey 3 from Intersection with ND 17 to Ramsey/Cavalier County Line

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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 17 End: Ramsey/Cavalier County Line Facility Type: 2-Lane ADT: 222 Road Type Rural Paved County Road Ramsey 3	Lane Width: 12' Speed Limit: High Shoulder Width: 2' Shoulder Type: Paved Length (miles): 9.8 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
003C	0	0	1120	222	Yes	Yes	★★★	-	x	Chevron	-	Inside/Outside	-	-
003D	0	0	1055	222	Yes	Yes	★★★	-	x	Chevron	-	Inside/Outside	x	50

*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 -
Chevrons	Proactive	\$3,300 per curve	2	\$6,600	
Arrow Board Only	Proactive	\$500 per curve	0	\$0	
Advance Warning Sign/Speed Advisory Plaque	Proactive	\$800 per curve	1	\$800	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.6 miles	\$1,870	
Shoulder Paving	Proactive	\$37,000 per mile	.0 miles	\$0	
				\$9,270	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$8,343
Local Match (10% of Total project cost)	\$927
Total Project Cost	\$9,270

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 Ramsey 4 from Intersection with US 2 to Intersection with 55th Street

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description (Corridor Containing Curves)

Start: Intersection with US 2 End: Intersection with 55th Street Facility Type: 2-Lane ADT: 166 Road Type Rural Paved County Road Ramsey 4	Lane Width: 12' Speed Limit: High Shoulder Width: 1' Shoulder Type: Paved Length (miles): 13.0 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	1755	166	No	No		x	-	-	Inside/Outside	Inside/Outside	-	-
004B	0	0	850	166	No	No	*	-	x	Chevron	Inside/Outside	Inside/Outside	x	45
004C	0	0	1175	166	No	No	*	-	x	Chevron	Inside/Outside	Inside/Outside	-	-
004D	0	0	1460	166	No	No		x	-	-	Inside/Outside	Inside/Outside	-	-

*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	2	\$6,600	
Arrow Board Only	Proactive	\$500 per curve	0	\$0	
Advance Warning Sign/Speed Advisory Plaque	Proactive	\$800 per curve	1	\$800	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.5 miles	\$1,607	
Shoulder Paving	Proactive	\$37,000 per mile	.5 miles	\$19,818	
				\$28,825	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$25,942
Local Match (10% of Total project cost)	\$2,882
Total Project Cost	\$28,825

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 Ramsey 4 from Intersection with 61st Street to Intersection with ND 17

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description (Corridor Containing Curves)

Start: Intersection with 61st Street End: Intersection with ND 17 Facility Type: 2-Lane ADT: 60 Road Type Rural Paved County Road Ramsey 4	Lane Width: 12' Speed Limit: High Shoulder Width: 2' Shoulder Type: Paved Length (miles): 8.7 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	1160	60	Yes	Yes	★★★	-	x	Chevron	-	Inside/Outside	-	-
004F	0	0	1105	60	Yes	Yes	★★★	-	x	Chevron	-	Inside/Outside	-	-

*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 -
Chevrons	Proactive	\$3,300 per curve	2	\$6,600	
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	.6 miles	\$1,937	
Shoulder Paving	Proactive	\$37,000 per mile	.0 miles	\$0	
				\$8,537	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$7,684
Local Match (10% of Total project cost)	\$854
Total Project Cost	\$8,537

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 Ramsey 8 from Intersection with 91st Avenue (N) to Intersection with ND 1

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description (Corridor Containing Curves)

Start: Intersection with 91st Avenue (N) End: Intersection with ND 1 Facility Type: 2-Lane ADT: 89 Road Type Rural Paved County Road Ramsey 8	Lane Width: 12' Speed Limit: High Shoulder Width: 2' Shoulder Type: Paved Length (miles): 14.3 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
008A	0	0	550	89	Yes	Yes	***	-	x	Chevron	-	Inside/Outside	x	40
008B	0	0	600	89	No	Yes	**	-	x	Chevron	-	Inside/Outside	x	40
008C	0	0	380	89	No	No		x	-	Chevron	-	Inside/Outside	x	35
008D	0	0	300	89	No	No		x	-	Chevron	-	Inside/Outside	x	35

*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 - Intersection projects suggested on other sheets.
Chevrons	Proactive	\$3,300 per curve	4	\$13,200	
Arrow Board Only	Proactive	\$500 per curve	0	\$0	
Advance Warning Sign/Speed Advisory Plaque	Proactive	\$800 per curve	4	\$3,200	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.4 miles	\$1,108	
Shoulder Paving	Proactive	\$37,000 per mile	.0 miles	\$0	
				\$17,508	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$15,757
Local Match (10% of Total project cost)	\$1,751
Total Project Cost	\$17,508

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 Woods_Rutten Road from Ramsey/Benson County Line to Intersection with US 2

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description (Corridor Containing Curves)

Start: Ramsey/Benson County Line End: Intersection with US 2 Facility Type: 2-Lane ADT: 530 Road Type Rural Paved County Road Woods_Rutten Road	Lane Width: 12' Speed Limit: High Shoulder Width: 2' Shoulder Type: Paved Length (miles): 3.3 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
505A	0	0	1065	530	Yes	Yes	★★★★	-	x	Chevron	-	Inside/Outside	x	50
505B	0	0	660	530	No	No	★★	x	x	Chevron	-	Inside/Outside	x	40
505C	0	0	720	530	No	No	★★	x	x	Chevron	-	Inside/Outside	x	45

*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 - Intersection projects suggested on other sheets.
Chevrons	Proactive	\$3,300 per curve	3	\$9,900	
Arrow Board Only	Proactive	\$500 per curve	0	\$0	
Advance Warning Sign/Speed Advisory Plaque	Proactive	\$800 per curve	3	\$2,400	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.4 miles	\$1,121	
Shoulder Paving	Proactive	\$37,000 per mile	.0 miles	\$0	
				\$13,421	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$12,079
Local Match (10% of Total project cost)	\$1,342
Total Project Cost	\$13,421

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 No designation from End of road at lake to Intersection with ND 20

Agency Name: Ramsey County
Contact Name: Kevin Fieldsend
Email Address: hwydept@stellarnet.com

ND DOT District: 3
Telephone Number: 701-662-7015

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

Location Description (Corridor Containing Curves)

Start: End of road at lake End: Intersection with ND 20 Facility Type: 2-Lane ADT: 458 Road Type Rural Paved County Road No designation	Lane Width: 12' Speed Limit: High Shoulder Width: 2' Shoulder Type: Paved Length (miles): 2.0 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
508A	0	0	600	458	Yes	Yes	★★★★	-	x	Chevron	-	Inside/Outside	x	40

*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	1	\$800	
Shoulder Rumble Strip	Proactive	\$3,000 per mile	.2 miles	\$566	
Shoulder Paving	Proactive	\$37,000 per mile	.0 miles	\$0	
				\$4,666	

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$4,199
Local Match (10% of Total project cost)	\$467
Total Project Cost	\$4,666

NDDOT Central Office Only

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

**Ramsey County
Summary of Rural Intersection Projects**

Page	Intersection ID	Description	Risk Ranking	Directional Median	Mainline Dynamic Warning Sign	Install Street Lights	Signs & Markings	Project Cost (\$)
1	508.01	45th St NE (Ramsey 508) & ND 20	★★★★★	-	X	X	X	\$59,000
2	505.01	44th St NE & 89th Ave NE (Ramsey 505)	★★★★★	-	-	-	X	\$1,850
3	1.01	47th St NE/County Highway 1 (Ramsey 1) & ND 20	★★★★	-	X	-	X	\$53,700
4	7.01	55th St NE (Ramsey 7) & ND 1	★★★★	-	-	X	X	\$9,000
5	8.02	Main St/105th Ave NE (Ramsey 8) & ND 1	★★★★	-	-	X	X	\$9,000
6	500.01	100th Ave & US 2 (E)	★★★★	-	-	X	X	\$8,300
7	507.01	83rd Ave NE (Ramsey 507) & US 2	★★★	X	-	X	X	\$759,250
8	8.01	60th St NE (Ramsey 8) & 81st Ave NE/ND 20	★★★	-	-	X	X	\$9,700
9	501.01	100th Ave & US 2 (W)	★★★	-	-	X	X	\$7,850
10	2.01	48th St NE (Ramsey 2) & 83rd Ave NE (Ramsey 507)	★★	-	X	X	X	\$59,000
11	506.01	49th St NE & 72nd Ave NE (Ramsey 506)	★★	-	-	-	X	\$3,000
12	4.01	US 2 & 96th Ave NE (Ramsey 4)	★★	-	-	X	-	\$9,000
13	504.01	44th St NE & 92nd Ave NE (Ramsey 504)	★★	-	-	X	-	\$9,250
14	2.02	48th St NE (Ramsey 2) & 91st Ave NE (Ramsey 3)	★★	-	-	X	-	\$7,850
				1	3	11	11	\$1,005,750

**Ramsey 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	47th St NE/County Highway 1 (Ramsey 1) & ND 20	No	Yes	No	No	8282	Yes	5	Yes	\$ 263,000
2.01	48th St NE (Ramsey 2) & 83rd Ave NE (Ramsey 507)	No	No	No	No	1280	No	1	Yes	\$ 12,000
2.02	48th St NE (Ramsey 2) & 91st Ave NE (Ramsey 3)	No	No	No	No	540	Yes	0	Yes	\$ -
2.03	48th St NE (Ramsey 2) & 92nd Ave NE (Ramsey 504)	No	No	No	No	337	No	0	No	\$ -
2.04	48th St NE (Ramsey 2) & 96th Ave NE (Ramsey 4)	No	No	No	No	240	Yes	0	No	\$ -
3.01	60th St NE (Ramsey 8) & 91st Ave NE (Ramsey 3)	No	No	No	No	307	Yes	0	No	\$ -
3.02	61st St NE (Ramsey 8) & 91st Ave NE (Ramsey 3)	No	No	No	No	267	Yes	0	No	\$ -
3.03	69th St NE/ND 17 & 92nd Ave NE (Ramsey 3)	No	No	No	No	443	Yes	0	No	\$ -
3.04	74th St NE (Ramsey 9) & 92nd Ave NE (Ramsey 3)	No	No	No	No	335	Yes	0	No	\$ -
4.01	US 2 & 96th Ave NE (Ramsey 4)	No	No	No	No	1928	Yes	0	Yes	\$ -
4.02	51st St NE (Ramsey 6) & 96th Ave NE (Ramsey 4)	No	No	No	No	183	Yes	0	No	\$ -
4.03	55th St NE (Ramsey 7) & 96th Ave NE (Ramsey 4)	No	No	No	No	250	Yes	0	No	\$ -
4.04	61st St NE (Ramsey 8) & 96th Ave NE (Ramsey 4)	No	No	No	No	110	No	0	No	\$ -
4.05	61st St NE (Ramsey 8) & 97th Ave NE (Ramsey 4)	No	No	No	No	127	No	0	No	\$ -
4.06	69th St NE/ND 17 & 99th Ave NE (Ramsey 4)	No	No	No	No	433	Yes	0	No	\$ -
4.07	74th St NE (Ramsey 9) & 99th Ave NE (Ramsey 4)	No	No	No	No	170	Yes	0	No	\$ -
7.01	55th St NE (Ramsey 7) & ND 1	Yes	Yes	Yes	No	728	Yes	0	No	\$ -
7.02	57th St NE (Ramsey 7) & ND 1	No	No	No	No	293	Yes	0	No	\$ -
8.01	60th St NE (Ramsey 8) & 81st Ave NE/ND 20	No	No	Yes	No	1267	Yes	0	Yes	\$ -
8.02	Main St/105th Ave NE (Ramsey 8) & ND 1	Yes	Yes	Yes	No	640	Yes	0	No	\$ -
9.01	74th St NE (Ramsey 9) & 82nd Ave NE/ND 17	No	No	No	No	435	Yes	0	No	\$ -
9.02	74th St NE (Ramsey 9) & 105th Ave NE/ND 1	No	No	No	No	558	Yes	0	No	\$ -
10.03	65th St NE (Ramsey 10) & 81st Ave NE/ND 20	No	No	No	No	1223	Yes	0	No	\$ -
500.01	100th Ave & US 2 (E)	Yes	Yes	No	No	2445	Yes	0	Yes	\$ -
500.02	100th Ave & 100th Ave	Yes	Yes	No	No	235	Yes	0	No	\$ -
501.01	100th Ave & US 2 (W)	No	Yes	No	No	2340	Yes	0	Yes	\$ -
502.01	42nd St NE (Ramsey 502) & 97th Ave NE (Ramsey 503)	No	No	No	No	300	No	0	No	\$ -
502.02	42nd St NE (Ramsey 502) & 96th Ave NE	No	No	No	No	240	No	0	No	\$ -
503.01	44th St NE & 97th Ave NE (Ramsey 503)	No	No	No	No	1945	No	0	Yes	\$ -
504.01	44th St NE & 92nd Ave NE (Ramsey 504)	No	No	No	No	2308	Yes	0	Yes	\$ -
505.01	44th St NE & 89th Ave NE (Ramsey 505)	Yes	Yes	Yes	No	345	Yes	1	No	\$ 136,000
506.01	49th St NE & 72nd Ave NE (Ramsey 506)	No	No	No	No	945	Yes	1	No	\$ 12,000
507.01	83rd Ave NE (Ramsey 507) & US 2	No	Yes	No	No	3315	No	2	Yes	\$ 148,000
508.01	45th St NE (Ramsey 508) & ND 20	Yes	Yes	Yes	No	4952	Yes	2	Yes	\$ 24,000

Ramsey 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	508	45th St NE (Ramsey 508) & ND 20	*	*	*	*	*	*	*	*****	\$ 24,000
2	505	44th St NE & 89th Ave NE (Ramsey 505)	*	*	*	*	*	*	*	*****	\$ 136,000
3	1.01	47th St NE/County Highway 1 (Ramsey 1) & ND 20	*	*	*	*	*	*	*	*****	\$ 263,000
4	7.01	55th St NE (Ramsey 7) & ND 1	*	*	*	*	*	*	*	*****	\$ -
5	8.02	Main St/105th Ave NE (Ramsey 8) & ND 1	*	*	*	*	*	*	*	*****	\$ -
6	500	100th Ave & US 2 (E)	*	*	*	*	*	*	*	*****	\$ -
7	507.01	83rd Ave NE (Ramsey 507) & US 2	*	*	*	*	*	*	*	*****	\$ 148,000
8	8.01	60th St NE (Ramsey 8) & 81st Ave NE/ND 20	*	*	*	*	*	*	*	*****	\$ -
9*	500	100th Ave & 100th Ave	*	*	*	*	*	*	*	*****	\$ -
10	501	100th Ave & US 2 (W)	*	*	*	*	*	*	*	*****	\$ -
11	2.01	48th St NE (Ramsey 2) & 83rd Ave NE (Ramsey 507)	*	*	*	*	*	*	*	*****	\$ 12,000
12	506	49th St NE & 72nd Ave NE (Ramsey 506)	*	*	*	*	*	*	*	*****	\$ 12,000
13	4.01	US 2 & 96th Ave NE (Ramsey 4)	*	*	*	*	*	*	*	*****	\$ -
14	504	44th St NE & 92nd Ave NE (Ramsey 504)	*	*	*	*	*	*	*	*****	\$ -
15	2.02	48th St NE (Ramsey 2) & 91st Ave NE (Ramsey 3)	*	*	*	*	*	*	*	*****	\$ -
16	2.04	48th St NE (Ramsey 2) & 96th Ave NE (Ramsey 4)	*	*	*	*	*	*	*	*****	\$ -
17	3.01	60th St NE (Ramsey 8) & 91st Ave NE (Ramsey 3)	*	*	*	*	*	*	*	*****	\$ -
18	3.02	61st St NE (Ramsey 8) & 91st Ave NE (Ramsey 3)	*	*	*	*	*	*	*	*****	\$ -
19	3.03	69th St NE/ND 17 & 92nd Ave NE (Ramsey 3)	*	*	*	*	*	*	*	*****	\$ -
20	3.04	74th St NE (Ramsey 9) & 92nd Ave NE (Ramsey 3)	*	*	*	*	*	*	*	*****	\$ -
21	4.02	51st St NE (Ramsey 6) & 96th Ave NE (Ramsey 4)	*	*	*	*	*	*	*	*****	\$ -
22	4.03	55th St NE (Ramsey 7) & 96th Ave NE (Ramsey 4)	*	*	*	*	*	*	*	*****	\$ -
23	4.06	69th St NE/ND 17 & 99th Ave NE (Ramsey 4)	*	*	*	*	*	*	*	*****	\$ -
24	4.07	74th St NE (Ramsey 9) & 99th Ave NE (Ramsey 4)	*	*	*	*	*	*	*	*****	\$ -
25	7.02	57th St NE (Ramsey 7) & ND 1	*	*	*	*	*	*	*	*****	\$ -
26	9.01	74th St NE (Ramsey 9) & 82nd Ave NE/ND 17	*	*	*	*	*	*	*	*****	\$ -
27	9.02	74th St NE (Ramsey 9) & 105th Ave NE/ND 1	*	*	*	*	*	*	*	*****	\$ -
28	10.03	65th St NE (Ramsey 10) & 81st Ave NE/ND 20	*	*	*	*	*	*	*	*****	\$ -
29	503	44th St NE & 97th Ave NE (Ramsey 503)	*	*	*	*	*	*	*	*****	\$ -
30	2.03	48th St NE (Ramsey 2) & 92nd Ave NE (Ramsey 504)	*	*	*	*	*	*	*	*****	\$ -
31	4.04	61st St NE (Ramsey 8) & 96th Ave NE (Ramsey 4)	*	*	*	*	*	*	*	*****	\$ -
32	4.05	61st St NE (Ramsey 8) & 97th Ave NE (Ramsey 4)	*	*	*	*	*	*	*	*****	\$ -
33	502	42nd St NE (Ramsey 502) & 97th Ave NE (Ramsey 503)	*	*	*	*	*	*	*	*****	\$ -
34	502.02	42nd St NE (Ramsey 502) & 96th Ave NE	*	*	*	*	*	*	*	*****	\$ -

Totals Total Stars -- 6 9 5 0 26 6 11
% That Gets Star -- 18% 26% 15% 0% 76% 18% 32%

	#	%
*****	0	0%
*****	1	3%
*****	1	3%
*****	4	12%
****	4	12%
***	5	15%
**	14	41%
*	5	15%
	34	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)

45th St NE (Ramsey 508) & ND 20

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.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: Ramsey Major Entering ADT: 4555
 Entering ADT: 4952 Minor Entering ADT: 397
 Major Leg: Paved

- 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	2	1	0.00
Rate (per MVM)	0.2	0.1	0.0



	Value	Critical	Risk Ranking
Skew	Yes	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	2	>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	1	\$50,000.00	
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	1	\$450.00	
Upgrade Stop Bar	\$250 per marking	1	\$250.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$59,000.00	

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	\$53,100
Local Match (10% of Total project cost)	\$5,900
Total Project Cost	\$59,000

NDDOT Central Office Only

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

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

44th St NE & 89th Ave NE (Ramsey 505)

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.com

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: Ramsey Major Entering ADT: 330
Entering ADT: 345 Minor Entering ADT: 29
Major Leg: Paved

- 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	1	0.00
Rate (per MVM)	1.6	1.6	0.0



	Value	Critical	Risk Ranking
Skew	Yes	Yes	★
On/Near Curve	Yes	Yes	★
Development	Yes	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 - 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	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?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Reference Number	ID Number
Notes			

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

47th St NE/County Highway 1 (Ramsey 1) & ND 20

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.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: Yes
 Urban/Rural: Rural Flashers: No
 County: Ramsey Major Entering ADT: 7048
 Entering ADT: 8282 Minor Entering ADT: 1235
 Major Leg: Paved

- 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	5	0	0.00
Rate (per MVM)	0.3	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	5	>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	1	\$50,000.00	
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	
			\$53,700.00	

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	\$48,330
Local Match (10% of Total project cost)	\$5,370
Total Project Cost	\$53,700

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)

55th St NE (Ramsey 7) & ND 1

Agency Name: Ramsey County

Contact Name: Kevin Fieldsend

Email Address: hwydept@stellarnet.com

ND DOT District: 3

Telephone Number: 701-662-7015

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: Ramsey Major Entering ADT: 600
 Entering ADT: 728 Minor Entering ADT: 128
 Major Leg: Paved

- 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	Yes	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 -
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	1	\$450.00	
Upgrade Stop Bar	\$250 per marking	1	\$250.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$9,000.00	

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

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$8,100
Local Match (10% of Total project cost)	\$900
Total Project Cost	\$9,000

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

Main St/105th Ave NE (Ramsey 8) & ND 1

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.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: Ramsey Major Entering ADT: 498
 Entering ADT: 640 Minor Entering ADT: 143
 Major Leg: Paved

- 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	Yes	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 - 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	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	1	\$450.00	
Upgrade Stop Bar	\$250 per marking	1	\$250.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$9,000.00	

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

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$8,100
Local Match (10% of Total project cost)	\$900
Total Project Cost	\$9,000

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)

100th Ave & US 2 (E)

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.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): Divided Street Lights: No
 Urban/Rural: Rural Flashers: No
 County: Ramsey Major Entering ADT: 2235
 Entering ADT: 2445 Minor Entering ADT: 210
 Major Leg: Paved

- 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	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	0	\$0.00	
Upgrade Stop Bar	\$250 per marking	0	\$0.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$8,300.00	

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	\$7,470
Local Match (10% of Total project cost)	\$830
Total Project Cost	\$8,300

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)

83rd Ave NE (Ramsey 507) & US 2

Agency Name: Ramsey County

Contact Name: Kevin Fieldsend

Email Address: hwydept@stellarnet.com

ND DOT District: 3

Telephone Number: 701-662-7015

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): Divided Street Lights: No
 Urban/Rural: Rural Flashers: No
 County: Ramsey Major Entering ADT: 2550
 Entering ADT: 3315 Minor Entering ADT: 765
 Major Leg: Paved

- 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	2	0	0.00
Rate (per MVM)	0.3	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	No	Yes	
Volume Cross Product	Yes	≥ 100,000	★
Total Crashes	2	>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	1	\$750,000.00	
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	1	\$450.00	
Upgrade Stop Bar	\$250 per marking	2	\$500.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$759,250.00	

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

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$683,325
Local Match (10% of Total project cost)	\$75,925
Total Project Cost	\$759,250

NDDOT Central Office Only

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

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

60th St NE (Ramsey 8) & 81st Ave NE/ND 20

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.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: Ramsey Major Entering ADT: 1138
 Entering ADT: 1267 Minor Entering ADT: 130
 Major Leg: Paved

- 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	No	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 -
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)

100th Ave & US 2 (W)

Agency Name: Ramsey County

Contact Name: Kevin Fieldsend

Email Address: hwydept@stellarnet.com

ND DOT District: 3

Telephone Number: 701-662-7015

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): Divided Street Lights: No
 Urban/Rural: Rural Flashers: No
 County: Ramsey Major Entering ADT: 2235
 Entering ADT: 2340 Minor Entering ADT: 210
 Major Leg: Paved

- 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
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

Notes - Segment projects suggested on other sheets.

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)

48th St NE (Ramsey 2) & 83rd Ave NE (Ramsey 507)

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.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: Ramsey Major Entering ADT: 905
 Entering ADT: 1280 Minor Entering ADT: 375
 Major Leg: Paved

- 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)	0.4	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	No	Yes	
Volume Cross Product	Yes	≥ 100,000	★
Total Crashes	1	>0	★★



Describe Proposed Safety Improvements

Description	Unit Cost	Units	Cost
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	1	\$50,000.00
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	1	\$450.00
Upgrade Stop Bar	\$250 per marking	1	\$250.00
Review Signs and CST	\$2,450 per intersection	0	\$0.00
			\$59,000.00

Notes - Segment projects suggested on other sheets.

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

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$53,100
Local Match (10% of Total project cost)	\$5,900
Total Project Cost	\$59,000

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)

49th St NE & 72nd Ave NE (Ramsey 506)

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.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: Ramsey Major Entering ADT: 885
 Entering ADT: 945 Minor Entering ADT: 60
 Major Leg: Paved

- 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)	0.6	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 -
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?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Reference Number	ID Number
Notes			

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

US 2 & 96th Ave NE (Ramsey 4)

Agency Name: Ramsey County

Contact Name: Kevin Fieldsend

Email Address: hwydept@stellarnet.com

ND DOT District: 3

Telephone Number: 701-662-7015

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): Divided Street Lights: No
 Urban/Rural: Rural Flashers: No
 County: Ramsey Major Entering ADT: 1775
 Entering ADT: 1928 Minor Entering ADT: 153
 Major Leg: Paved

- 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	No	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
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	1	\$450.00
Upgrade Stop Bar	\$250 per marking	1	\$250.00
Review Signs and CST	\$2,450 per intersection	0	\$0.00
			\$9,000.00

Notes - Segment and curve projects suggested on other sheets.

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	\$8,100
Local Match (10% of Total project cost)	\$900
Total Project Cost	\$9,000

NDDOT Central Office Only

Project Accepted? Yes No Reference Number ID Number

Notes

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

44th St NE & 92nd Ave NE (Ramsey 504)

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.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): Divided Street Lights: No
 Urban/Rural: Rural Flashers: No
 County: Ramsey Major Entering ADT: 2083
 Entering ADT: 2308 Minor Entering ADT: 225
 Major Leg: Paved

- 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	No	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 -
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	1	\$450.00	
Upgrade Stop Bar	\$250 per marking	2	\$500.00	
Review Signs and CST	\$2,450 per intersection	0	\$0.00	
			\$9,250.00	

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

Project Cost Estimate (attach detailed copy)

Proposed Year of Construction

Federal Funds	\$8,325
Local Match (10% of Total project cost)	\$925
Total Project Cost	\$9,250

NDDOT Central Office Only

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

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJECT APPLICATION

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

48th St NE (Ramsey 2) & 91st Ave NE (Ramsey 3)

Agency Name: Ramsey County

ND DOT District: 3

Contact Name: Kevin Fieldsend

Telephone Number: 701-662-7015

Email Address: hwydept@stellarnet.com

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: Ramsey Major Entering ADT: 420
Entering ADT: 540 Minor Entering ADT: 240
Major Leg: Paved

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