

### RECEIVED

DEC | 8 2014

CASS COUNTY COMMISSION

### **MEMORANDUM**

## Highway Department

Jason Benson, P.E. County Engineer

Richard S. Sieg Superintendent

Thomas B. Soucy, P.E.
Design and Construction
Engineer

TO: Cass County Commission

FROM:

Jason Benson, Cass County Engineer

DATE:

December 5, 2014

SUBJECT:

Agenda Item for December 15, 2014 Commission Meeting:

Safety Project Requests for the NDDOT 2016-2019 Highway Safety Improvement Program (HSIP).

The purpose of the HSIP program is to achieve a significant reduction in traffic fatalities and serious injuries on public roads through the implementation of infrastructure-related highway safety improvements. These improvements are focused on reducing lane-departure and intersection related crashes.

In June 2014, Cass County receive the final report on the Local Roads Safety Program. This program identified specific intersections and curves that can be enhanced with low cost safety improvements. The primary improvements include enhanced signing for curves and intersection lighting. These safety funds are a total of \$290,640, of which the 90% Federal share is \$261,576 and the 10% local Cass County share is \$29,064. This would include the installation of intersection lighting of \$255,000 for 25 lights at 15 intersections. It also includes improved chevron signing at six curves for \$35,640. This funding would be for the installation cost of these safety features. Cass County would assume the long term maintenance cost. For the chevron signs, this maintenance would include routine repair or replacement. Sign replacement would be approximately every 10 years at \$50 per sign. The maintenance on the intersection lighting would be approximately \$20 per month per light or about \$6,000 per year.

Once this grant application is submitted, we can expect the funding would be available for construction in 2016-2018.

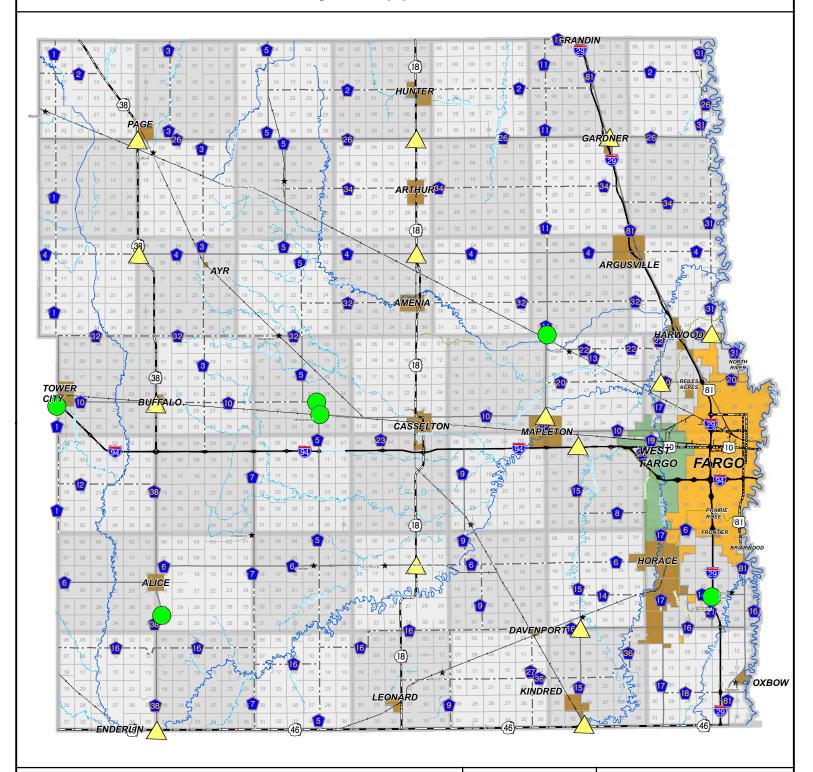
**SUGGESTED MOTION**: Approve the application for Safety Project Requests for the NDDOT 2016-2019 Highway Safety Improvement Program.

1201 Main Avenue West West Fargo, North Dakota 58078-1301

> 701-298-2370 Fax: 701-298-2395

# Cass County Highway Department

**HSIP Project Application Locations** 



Jason Benson County Engineer, P.E.

#### Richard Sieg Highway Superintendent

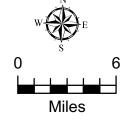
Prepared by Cass County Highway Dept. December 2014



Cass County Hwy. Dept. 1201 Main Ave. W West Fargo, ND 58078

(701) 298-2370

Web: http://www.casscountynd.gov Email: highway@casscountynd.gov



### Projects

Curve Improvement



Disclaimer: As with all public information derived from variable sources, this data may contain errors or faults. Therefore, Cass County does not provide any warranty express or implied, as to the accuracy of this data. The recipient is encouraged to make an independent investigation of verification of the data. If an error is found, it is requested the County Engineer be advised of the particulars so the data can be examined and corrected. THIS MAP IS NOT A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

HIGHWAY SAFE North Dakota Departn SFN 59959 (06-2011)				(HSIP) I	PROJE	CT APPLIC	CATION					
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HIGHWAY SAFETY IN North Dakota Department of SFN 59959 (06-2011)			PROJE	CT APPLIC	CATION					
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Please attach a location map(s).	You may use addition	al sheets to further describ		ect.						
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007.	11		Cont	act Name:	Jason Benso	n				Tele	ephone Number:	701-298-2372	2	
			Email	Address:	bensonj@cas	scounty	nd.gov							
Please attach	a locati	on ma	p(s). You ma	y use addition	al sheets to furth	er describe	your proje	ct.						
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LA5	7 0	, ,			Jason Benso					Tel	ephone Number:	701-298-2372	2	
					bensoni@ca		nd.gov							
Please attach	a locati	ion ma			al sheets to furth			ct.						
Location D	escri	otion	(Corridor	Containing	Curves)									
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NDDOT Re			piections				Proiec	t suggested for	agency's consid	deration.				6/13/2014

	a Depa	artmen	Y IMPROV nt of Transpor		PROGRAM gramming	(HSIP)	PROJE	CT APPLIC	CATION				ь	
	Cı	urve	Agen Conta Email	ncy Name: act Name: I Address:	Cass County Jason Benso bensonj@ca	y on asscounty	ynd.gov		St SE to I	2	on with 132nd ND DOT District: lephone Number:	: 8		
Location D	escri	otion	(Corridor C	Containing	(Curves)			West of the State						
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North Dakota (							years							
Curve ID	K	A	Radius (ft)	ADT	Intersection on Curve	Visual Trap	Risk Ranking	Proximity or Existing Chevrons	Segment + Critical Radius	Sign Improvement Project	Shoulder Paving Project	Shoulder Rumble Strip Project	Advance Horizontal Alignment Warning Sign	
001A	0	0	999 1263	163	No	No	*	- 1	X	Chevron	-	-	X	50
001B 001C	0	0	186	163 163	Yes Yes	No No	*	-	-			-	-	-
001D	0	0	990	163	Yes	Yes	***	- 1	X	Chevron	-	-0	X	50
001E	0	0	1194	163	Yes	Yes	***	- 1	x	Chevron	-	-	-	-
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Project Cos	t Esti	mate	e (attach det	tailed copy	<u>y)</u>					Proposed Ye	ear of Construction	on		
			*Based on typic		Fedo 1 (10% of Total pro *Total Proj 19sts (March 2014);	ject Cost	\$1,476 <b>\$14,760</b>	instruction and c	contingency				S	
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NDDOT Po	3 USC		hinations				Desired		r aganavis canaid				Segment ID:	1.02

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJEC	CT APPLICATION
North Dakota Department of Transportation Programming SFN 59959 (06-2011)	
E 444 C4 CE (ND 4C) 9 4CE	Sth Ave SF (Cass 15)
Agency Name: Cass County Contact Name: Jason Benson	ND DOT District: 8
Contact Name: Jason Benson	Telephone Number: 701-298-2372
Email Address: bensonj@casscountynd.gov	
Please attach a location map(s). You may use additional sheets to further describe your project.	
Location Description	T OURS Francis Assay (shart) all their each)
Configuration: T Traffic Control Device: Thru-STOP	SHSP Emphasis Area (check all that apply)  Reduce Alcohol Impaired Driving Increase the Use of Safety Restraints for all Occupants
Configuration: T Traffic Control Device: Thru-STOP Configuration (2): Undivided Street Lights: No	Increase the Use of Safety Restraints for all Occupants Younger Driver/Older Driver Safety
Urban/Rural: Rural Flashers: No	Curb Aggressive Driving
County: Cass Major Entering ADT: 2110 Entering ADT: 2948 Minor Entering ADT: 838	Improvements to Address Lane Departure Crashes Enhancing Emergency Medical Capabilities to Increase Survivability
Entering AD1. 2040 Willot Entering AD1. 000	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	
Rate (per MVM) 0.2 0.0 0.0	
Value Critical Risk Ranking	
Skew Yes Yes *	The latest the second
On/Near Curve Yes Yes ★ Development No Yes	The state of the s
Near RR Crossing Yes Yes ★	
Distance from previous STOP Yes Yes *	Perspiration
Volume Cross Product Yes ≥60,000 ★ Total Crashes 1 >0 ★	The state of the s
****	
Describe Proposed Safety Improvements	
Describe Proposed Salety Improvements	
Description Unit Cost	Units Cost Notes
Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection	0 \$0.00 0 \$0.00
Mainline Dynamic Warning Sign \$60,000 per intersection	Fig. 1. Account to the contract of the contrac
Close Median \$30,000 per intersection	1 \$60,000.00
	1 \$60,000.00 0 \$0.00
Installing Street Lights \$10,200 per street light	0 \$0.00 1 \$10,200.00
Upgrade Stop Sign \$540 per sign	0 \$0.00 1 \$10,200.00 1 \$540.00
	0 \$0.00 1 \$10,200.00
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$540.00 1 \$600.00 1 \$600.00
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were project Cost Estimate (attach detailed copy)  Federal Funds \$65,556	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were project Cost Estimate (attach detailed copy)  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Per marking \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were represented by the state of the second	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  **Project Cost Estimate (attach detailed copy)*  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  **Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  **NDDOT Central Office Only**	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  **Project Cost Estimate (attach detailed copy)**  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  **Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  **NDDOT Central Office Only**  Project Accepted?	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  *Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$540.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.  Proposed Year of Construction
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  *Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only  Project Accepted?	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$540.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.  Proposed Year of Construction
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  **Project Cost Estimate (attach detailed copy)**  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  **Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  **NDDOT Central Office Only**  Project Accepted?	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$540.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection. Proposed Year of Construction
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  **Project Cost Estimate (attach detailed copy)**  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  **Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  **NDDOT Central Office Only**  Project Accepted?	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$540.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.  Proposed Year of Construction
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  *Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only  Project Accepted?	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$540.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.  Proposed Year of Construction
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  *Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only  Project Accepted?	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$600.00 1 \$600.00 0 \$0.00 \$72,840.00 with the intersection. Proposed Year of Construction
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$65,556 Local Match (10% of Total project cost) \$7,284  *Total Project Cost \$72,840  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only  Project Accepted?	0 \$0.00 1 \$10,200.00 1 \$540.00 1 \$540.00 1 \$600.00 1 \$360.00 0 \$0.00 \$72,840.00 vith the intersection.  Proposed Year of Construction

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJEC	CT APPLICATION
North Dakota Department of Transportation Programming	
SFN 59959 (06-2011)	4554 4 (45)
44th St SE (Cass 6) &	155th Ave (ND 18)
Agency Name: Cass County	ND DOT District: 8
Contact Name: Jason Benson	Telephone Number: 701-298-2372
Email Address: bensonj@casscountynd.gov	
Please attach a location map(s). You may use additional sheets to further describe your project.	
Location Description	
	SHSP Emphasis Area (check all that apply)  Reduce Alcohol Impaired Driving
Configuration: X Traffic Control Device: Thru-STOP	Reduce Alcohol Impaired Driving Increase the Use of Safety Restraints for all Occupants
Configuration (2): Undivided Street Lights: No	
Urban/Rural: Rural Flashers: No	Curb Aggressive Driving
County: Cass Major Entering ADT: 1073	Younger Driver/Older Driver Safety  □ Curb Aggressive Driving □ Improvements to Address Lane Departure Crashes □ Enhancing Emergency Medical Capabilities to Increase Survivability □ Improve Intersection Safety
Entering ADT: 1395 Minor Entering ADT: 323	Enhancing Emergency Medical Capabilities to Increase Survivability Improve Intersection Safety
	improve intersection safety
Describe Current Safety Issues & Systemic Ranking Review	· 李子· · · · · · · · · · · · · · · · · ·
North Dakota Crashes, 2008 - 2012 5 years	
Total         Angle         K+A           Crashes         3         1         1	-
Crashes 3 1 1 1 Rate (per MVM) 1.2 0.4 0.4	
11dia (por 111111) 1.2 0.4 0.4	
Value Critical Risk Ranking	
Skew No Yes	
On/Near Curve No Yes Development No Yes	
Near RR Crossing Yes Yes *	
Distance from previous STOP Yes Yes *	
Volume Cross Product Yes ≥60,000 ★	Annual Control of the
***	
Describe Proposed Safety Improvements	
	Units Cost Notes - WB approach is gravel.
Describe Proposed Safety Improvements  Description Unit Cost Roundabout \$3,000,000 per intersection	0 \$0.00
Describe Proposed Safety Improvements  Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection	0 \$0.00 0 \$0.00
Describe Proposed Safety Improvements  Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection	0 \$0.00 0 \$0.00 0 \$0.00
Describe Proposed Safety Improvements  Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00
Describe Proposed Safety Improvements  Description Unit Cost  Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light	0 \$0.00 0 \$0.00 0 \$0.00
Describe Proposed Safety Improvements           Description         Unit Cost           Roundabout         \$3,000,000         per intersection           Directional Median         \$900,000         per intersection           Mainline Dynamic Warning Sign         \$60,000         per intersection           Close Median         \$30,000         per intersection           Installing Street Lights         \$10,200         per street light           Upgrade Stop Sign         \$540         per sign           Upgrade Junction Sign         \$540         per sign	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,080.00
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00
Describe Proposed Safety Improvements           Description         Unit Cost           Roundabout         \$3,000,000         per intersection           Directional Median         \$900,000         per intersection           Mainline Dynamic Warning Sign         \$60,000         per intersection           Close Median         \$30,000         per intersection           Installing Street Lights         \$10,200         per street light           Upgrade Stop Sign         \$540         per sign           Upgrade Junction Sign         \$540         per sign           Upgrade Stop Ahead Sign         \$600         per sign           Upgrade Stop Ahead Marking         \$600         per marking	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00
Describe Proposed Safety Improvements  Description Unit Cost  Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00
Describe Proposed Safety Improvements           Description         Unit Cost           Roundabout         \$3,000,000         per intersection           Directional Median         \$900,000         per intersection           Mainline Dynamic Warning Sign         \$60,000         per intersection           Close Median         \$30,000         per intersection           Installing Street Lights         \$10,200         per street light           Upgrade Stop Sign         \$540         per sign           Upgrade Junction Sign         \$540         per sign           Upgrade Stop Ahead Sign         \$600         per sign           Upgrade Stop Ahead Marking         \$600         per marking	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00
Describe Proposed Safety Improvements           Description         Unit Cost           Roundabout         \$3,000,000         per intersection           Directional Median         \$900,000         per intersection           Mainline Dynamic Warning Sign         \$60,000         per intersection           Close Median         \$30,000         per intersection           Installing Street Lights         \$10,200         per street light           Upgrade Stop Sign         \$540         per sign           Upgrade Junction Sign         \$540         per sign           Upgrade Stop Ahead Sign         \$600         per sign           Upgrade Stop Ahead Marking         \$600         per marking           Upgrade Stop Bar         \$360         per marking           Review Signs and CST         \$2,940         per intersection	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection.
Describe Proposed Safety Improvements           Description         Unit Cost           Roundabout         \$3,000,000         per intersection           Directional Median         \$900,000         per intersection           Mainline Dynamic Warning Sign         \$60,000         per intersection           Close Median         \$30,000         per intersection           Installing Street Lights         \$10,200         per street light           Upgrade Stop Sign         \$540         per sign           Upgrade Junction Sign         \$540         per sign           Upgrade Stop Ahead Sign         \$600         per sign           Upgrade Stop Ahead Marking         \$600         per marking           Upgrade Stop Bar         \$360         per marking           Review Signs and CST         \$2,940         per intersection	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00
Describe Proposed Safety Improvements    Description   Unit Cost	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection.
Describe Proposed Safety Improvements    Description   Unit Cost	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection.
Describe Proposed Safety Improvements    Description   Unit Cost	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection.
Describe Proposed Safety Improvements    Description   Unit Cost	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection.
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection.
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection.
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection. Proposed Year of Construction
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection. Proposed Year of Construction
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection. Proposed Year of Construction
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection. Proposed Year of Construction
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection. Proposed Year of Construction
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection. Proposed Year of Construction
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection.  Proposed Year of Construction
Describe Proposed Safety Improvements    Description	0 \$0.00 0 \$0.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 1 \$600.00 2 \$720.00 0 \$0.00 \$25,080.00 with the intersection. Proposed Year of Construction

LUCUMAY CAFETY IMPROVEMENT PROCESAM (USID) PROJE	CT ADDI ICATION
HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJE North Dakota Department of Transportation Programming	CT APPLICATION
SFN 59959 (06-2011)	
18th St SE (Cass	26) & Cass 81
Agency Name: Cass County	ND DOT District: 8
Contact Name: Jason Benson	Telephone Number: 701-298-2372
Email Address: bensoni@casscountynd.gov	receptions italians. For 200 2012
Please attach a location map(s). You may use additional sheets to further describe your project	ct.
Location Description	
	SHSP Emphasis Area (check all that apply)
D (	Reduce Alcohol Impaired Driving Increase the Use of Safety Restraints for all Occupants
Configuration: X Traffic Control Device: Thru-STOP Configuration (2): Undivided Street Lights: No	☐ Increase the Use of Safety Restraints for all Occupants ☐ Younger Driver/Older Driver Safety
Urban/Rural: Rural Flashers: No	Curb Aggressive Driving
County: Cass Major Entering ADT: 393	Improvements to Address Lane Departure Crashes
Entering ADT: 638 Minor Entering ADT: 245	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 Rate (per MVM) 0.9 0.0 0.0	
Nate (per wivin) 0.9 0.0 0.0	
Value Critical Risk Ranking	
Skew Yes Yes *	
On/Near Curve No Yes	
Development No Yes Near RR Crossing No Yes	
Distance from previous STOP Yes Yes *	
Volume Cross Product Yes ≥60,000 ★	The Control of the Co
Total Crashes 1 >0 *	
***	
Describe Proposed Safety Improvements	
Describe Frequency improvements	
Description Unit Cost	Units Cost Notes -
Roundabout \$3,000,000 per intersection	0 \$0.00
Directional Median \$900,000 per intersection  Mainline Dynamic Warning Sign \$60,000 per intersection	0 \$0.00 0 \$0.00
Close Median \$30,000 per intersection	0 \$0.00
Installing Street Lights \$10,200 per street light	2 \$20,400.00
Upgrade Stop Sign \$540 per sign	2 \$1,080.00
Upgrade Junction Sign \$540 per sign	2 \$1,080.00
Upgrade Stop Ahead Sign \$600 per sign	2 \$1,200.00 2 \$1,200.00
Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking	2 \$1,200.00 2 \$720.00
Review Signs and CST \$2,940 per intersection	0 \$0.00
	\$25,680.00
Signs and Markings and Street Light project costs vary by the number of minor legs associated	
Project Cost Estimate (attach detailed copy)	Proposed Year of Construction
Federal Funds \$23,112	3
Local Match (10% of Total project cost) \$2,568	
*Total Project Cost \$25,680	
*Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency	
NDDOT Central Office Only	
Project Accepted? Yes No Reference Number	ID Number
Notes	
	Page: 5
23 USC 409 NDDOT Reserves All Objections Project suggested for agency	Intersection ID: 81.01

HIGHWAY SAFETY IM  North Dakota Department of T			M (HSIP) PROJE	CT APPLIC	CATION			
SFN 59959 (06-2011)								
		34th St SE/Ma	ain St (Cass 10	) & 139th	Ave SE (ND 3	38)		
Agency Name:	Cass Cou	ınty		ND	DOT District: 8			
Contact Name:	Jason Be	nson		Teleph	one Number: 701	-298-2372		
Email Address:	bensonj@	casscountynd.g	ov					
Please attach a location map(s).				ot.				
Location Description								
				-			call that apply)	
Configuration:	· Y	Traffic Control Device	Thru-STOP		Reduce Alcohol Impa Increase the Use of S		ts for all Occupants	
Configuration (2):		Street Lights			Younger Driver/Older		to for all Goodparto	
Urban/Rural:		Flashers			Curb Aggressive Driv			
County		Major Entering ADT			Improvements to Add	The second secon		
Entering ADT:	1030	Minor Entering ADT	: 102		Improve Intersection		pabilities to Increase Surv	ivability
					Improve intersection	oaloty		
Describe Current Safety Is								
North Dakota Crashes, 2008 - 201	12	5	years					
	Total	Angle	K+A					
Crashes		0	0				The second	
Rate (per MVM)	0.0	0.0	0.0	_				
					14 M AN	100 6	N 1111	
	Value	Critical	Risk Ranking		<b>建筑</b>		The second second	
Skew	Yes	Yes	*				A STATE OF THE STATE OF	
On/Near Curve		Yes					Annual State of the State of th	
Development		Yes						
Near RR Crossing Distance from previous STOP		Yes Yes	*					
Volume Cross Product		≥60,000	*		9617 (88)		2 DET TOTAL	
Total Crashes		>0		_				
			***					
Describe Proposed Safety	Improvem	ents						
Docorio i i opoco a caro.)	in proton							
	Description Roundabout	Unit Cost	per intersection	Units 0	Cost Notes	3		
	onal Median		per intersection	0	\$0.00			
Mainline Dynamic W			per intersection	0	\$0.00			
CI	ose Median	\$30,000	per intersection	0	\$0.00	1		
	Street Lights		per street light	2	\$20,400.00	9		
	e Stop Sign		per sign	2	\$1,080.00			
Upgrade Stop	Inction Sign		per sign per sign	2 2	\$1,080.00 \$1,200.00			
Upgrade Stop Ahe			per marking	1	\$600.00			
Upgrad	de Stop Bar	\$360	per marking	1	\$360.00			
Review Sign	ns and CST	\$2,940	per intersection	0	\$0.00			9
Signs and Markings and Street Lig	aht project cos	sts vary by the number	of minor legs associated	with the interse	\$24,720.00			
Project Cost Estimate (atta	A STATE OF THE PARTY OF THE PAR	The second secon	or minor rego decesiated		Year of Construct	ion		
WE DE NOTE OF A CONTRACT MANAGEMENT OF THE	deral Funds	\$22,248						
Local Match (10% of Total pro	pject Cost	\$2,472 <b>\$24,720</b>	•.					
*Based on typical NDDOT costs (Man	•		ction and contingency					
NDDOT Central Office Onl		ado driginodring, dona						
Project Accepted?		No	Reference Number		ID Nu	mber	A Complete College Col	
Notes								
							Page: 7	
23 USC 409							on ID: 10.02	
NDDOT Reserves All Objections		Proj	ect suggested for agency	y's consideration			Date: 5/14/2014	

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJEC	T APPLICATION
North Dakota Department of Transportation Programming SFN 59959 (06-2011)	
40th Ave NW (Cass 20) &	60th St N (Cass 17)
1	ND DOT District: 8
Agency Name: Cass County Contact Name: Jason Benson	Telephone Number: 701-298-2372
	Telephone Number: 701-296-2372
Email Address: bensonj@casscountynd.gov Please attach a location map(s). You may use additional sheets to further describe your project.	
Location Description	
2000 Priori	SHSP Emphasis Area (check all that apply)
7 / / O	Reduce Alcohol Impaired Driving
Configuration: X Traffic Control Device: Thru-STOP Configuration (2): Undivided Street Lights: No	Increase the Use of Safety Restraints for all Occupants  Younger Driver/Older Driver Safety
Urban/Rural: Rural Flashers: No	Curb Aggressive Driving
County: Cass Major Entering ADT: 1528	Improvements to Address Lane Departure Crashes
Entering ADT: 2153 Minor Entering ADT: 625	<ul> <li>Enhancing Emergency Medical Capabilities to Increase Survivability</li> <li>Improve Intersection Safety</li> </ul>
	improve intersection salety
Describe Current Safety Issues & Systemic Ranking Review	
North Dakota Crashes, 2008 - 2012 5 years	
Total Angle IV+A	
Total         Angle         K+A           Crashes         6         2         2	
Rate (per MVM) 1.5 0.5 0.5	<b>化学等级性产生的性质生态</b>
	<b>是这些大批的意思</b>
Value Critical Risk Ranking	Washington and the second
Skew No Yes	
On/Near Curve No Yes	A CONTRACTOR OF THE PARTY OF TH
Development No Yes	
Near RR Crossing No Yes  Distance from previous STOP Yes Yes ★	
Volume Cross Product Yes ≥60,000 ★	20 m ( 200)
Total Crashes 6 >0 *	
***	
Describe Proposed Safety Improvements	
Describe Proposed Safety Improvements	
Description Unit Cost	Units Cost Notes -
Description Unit Cost Roundabout \$3,000,000 per intersection	0 \$0.00
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection	
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection	0 \$0.00 0 \$0.00
Description Unit Cost  Roundabout \$3,000,000 per intersection  Directional Median \$900,000 per intersection  Mainline Dynamic Warning Sign \$60,000 per intersection  Close Median \$30,000 per intersection  \$30,000 per intersection  Installing Street Lights \$10,200 per street light	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection graph \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection \$10,000 per intersection \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,080.00
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Sign \$30,000 per intersection First Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection  Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection  Roundabout \$3,000,000 per intersection Sign \$30,000 per intersection Per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar Review Signs and CST \$2,940 per intersection	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00
Description Unit Cost  Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated we  Project Cost Estimate (attach detailed copy)	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection.
Description Unit Cost  Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated we  Project Cost Estimate (attach detailed copy)  Federal Funds \$77,112	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection.
Description Unit Cost  Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection.
Description Unit Cost  Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated we  Project Cost Estimate (attach detailed copy)  Federal Funds \$77,112	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection.
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680 *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection. Proposed Year of Construction
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Ahead Marking \$600 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency NDDOT Central Office Only Project Accepted?	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection.
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680 *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection. Proposed Year of Construction
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per marking Upgrade Stop Bar \$360 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only Project Accepted?	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection. Proposed Year of Construction
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Sign \$600 per marking Upgrade Stop Bar \$360 per marking Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated w  Project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency  NDDOT Central Office Only Project Accepted?	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection. Proposed Year of Construction
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Ahead Marking \$600 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency NDDOT Central Office Only Project Accepted?	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection. Proposed Year of Construction
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Ahead Marking \$600 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency NDDOT Central Office Only Project Accepted?	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection. Proposed Year of Construction
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Ahead Marking \$600 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency NDDOT Central Office Only Project Accepted?	0 \$0.00 0 \$0.00 1 \$60,000.00 2 \$20,400,00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$7720.00 0 \$0.00 \$85,680.00 ith the intersection.  Proposed Year of Construction
Description Unit Cost Roundabout \$3,000,000 per intersection Directional Median \$900,000 per intersection Mainline Dynamic Warning Sign \$60,000 per intersection Close Median \$30,000 per intersection Installing Street Lights \$10,200 per street light Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign Upgrade Stop Ahead Marking \$600 per marking Upgrade Stop Ahead Marking \$600 per marking Review Signs and CST \$2,940 per intersection  Signs and Markings and Street Light project costs vary by the number of minor legs associated were project Cost Estimate (attach detailed copy)  Federal Funds \$77,112 Local Match (10% of Total project cost) \$8,568 *Total Project Cost \$85,680  *Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency NDDOT Central Office Only Project Accepted?	0 \$0.00 0 \$0.00 1 \$60,000.00 0 \$0.00 2 \$20,400.00 2 \$1,080.00 2 \$1,200.00 2 \$1,200.00 2 \$1,200.00 2 \$720.00 0 \$0.00 \$85,680.00 ith the intersection. Proposed Year of Construction

HIGHWAY SAFETY IMP North Dakota Department of TI SFN 59959 (06-2011)			M (HSIP) PROJE	CT APPLIC	CATION			
0114 00000 (00 2011)		54th St S	E (ND 46) & 13	9th Ave S	SE (Cass	38)		
Agency Name:	Cass Cou		= (		DOT Distric	•		
Contact Name:		-				r: 701-298-237	72	
Email Address:	bensonj@	casscountynd.g	ov	(1 <del>-2</del> )				
Please attach a location map(s). Y				t.				
Location Description								
						Emphasis Area (o hol Impaired Drivir	check all that apply)	
Configuration:	т -	Traffic Control Device	: Thru-STOP				traints for all Occupants	
Configuration (2):	Undivided	Street Lights	: No		Younger Driv	er/Older Driver Sa		
Urban/Rural:		Flashers			Curb Aggress		D Orashaa	
County: Entering ADT:		Major Entering ADT Minor Entering ADT			and the same of th		Departure Crashes Capabilities to Increase	Survivability
Lincolning 7.2	1000	Willion Entoning / i.e.	. 215			section Safety	Oapabiliass to	Our rivability
Describe Current Safety Is	SUAS & SVS	etemic Ranking F	Paview					
North Dakota Crashes, 2008 - 201			years					
	Total	Angle	K+A		-			
Crashes	2	2	0	_				A DANSON DE LA COMPANSION DE LA COMPANSI
Rate (per MVM)	0.6	0.6	0.0					The second second
						40000		permitted
						章 第二字		reterior
	Value	Critical	Risk Ranking		TO DE			on the same of the
Skew	No	Yes		_		Fire		and the second
On/Near Curve	No	Yes				194		Control
Development Near RR Crossing	No No	Yes Yes				1-1	<b>发 温度</b> 基础	
Distance from previous STOP	Yes	Yes	*					ment de la company
Volume Cross Product	Yes	≥60,000	*		Marrie 17 plants		1 10 10 10 10 10 10 10 10 10 10 10 10 10	projection of the second
Total Crashes	2	>0	* * *	_		re home of an independent and in order		
			* ^ ^					
Describe Proposed Safety	Improvem	ents			a mod process			
,	Description	Unit Cost		Units	Cost	Notes - EB app	roach is gravel	
	oundabout		per intersection	0	\$0.00		TOdon is graver	
	nal Median	\$900,000	per intersection	0	\$0.00			
Mainline Dynamic Wa			per intersection	0	\$0.00	4		
	se Median	to the same of the same of	per intersection	0	\$0.00	- MA		
Installing St Upgrade	reet Lights Stop Sign		per street light per sign	1	\$10,200.00 \$540.00	2411		
Upgrade Jur			per sign	1	\$540.00			
Upgrade Stop A			per sign	1	\$600.00			
Upgrade Stop Ahea			per marking	1	\$600.00			
Upgrad Review Sign	e Stop Bar		per marking	1 0	\$360.00			
Review Sign	S and Co i	<b>Φ2</b> ,540	per intersection	U	\$0.00 \$12,840.00	_		
Signs and Markings and Street Ligl			of minor legs associated		ection.			
Project Cost Estimate (atta	ch detailed	д сору)		Proposed	Year of Con	struction		
Fed	eral Funds	\$11,556						
Local Match (10% of Total pr		\$1,284						
*Total Pro		\$12,840						
*Based on typical NDDOT costs (Marc	The same of the same of the same of	es engineering, constru	ction and contingency					
NDDOT Central Office Only			- All -ahar			Tip House as		
Project Accepted? Notes	Yes _	No	Reference Number			ID Number		
Notes								
							D 40	
23 USC 409						Inter	Page: 12 section ID: 38.01	
			ect suggested for agency	do aconsidaration	n	mor	Date: 5/14/2014	

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJE North Dakota Department of Transportation Programming SFN 59959 (06-2011)	CT APPLICATION
48th St SE (Cass 16) &	165th Ave (Cass 15)
Agency Name: Cass County	ND DOT District: 8
Contact Name: Jason Benson	Telephone Number: 701-298-2372
Email Address: bensonj@casscountynd.gov	
Please attach a location map(s). You may use additional sheets to further describe your project	ct.
Location Description	SHSP Emphasis Area (check all that apply)
Configuration: X Traffic Control Device: Thru-STOP Configuration (2): Undivided Street Lights: No Urban/Rural: Rural Flashers: No County: Cass Major Entering ADT: 745 Entering ADT: 1445 Minor Entering ADT: 700	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	
North Dakota Crashes, 2008 - 2012 5 years	
Total         Angle         K+A           Crashes         1         1         0	_
Crashes         1         1         0           Rate (per MVM)         0.4         0.4         0.0	
Value Critical Risk Ranking	
Skew No Yes On/Near Curve 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 ≥60,000 ★	Beef Q200.
Total Crashes 1 >0 ★	<b>就是否的。我也就是</b>
***	
Describe Proposed Safety Improvements	
	H. W. Out Makes ED constant in court
Description Unit Cost  Roundabout \$3,000,000 per intersection	Units Cost Notes - EB approach is gravel  0 \$0.00
Directional Median \$900,000 per intersection	0 \$0.00
Mainline Dynamic Warning Sign \$60,000 per intersection  Close Median \$30,000 per intersection	0 \$0.00 0 \$0.00 /
Installing Street Lights \$10,200 per street light	2 \$20,400.00
Upgrade Stop Sign \$540 per sign	4 \$2,160.00
Upgrade Junction Sign \$540 per sign Upgrade Stop Ahead Sign \$600 per sign	4 \$2,160.00
Upgrade Stop Ahead Marking \$600 per marking	4 \$2,400.00
Upgrade Stop Bar \$360 per marking Review Signs and CST \$2,940 per intersection	4 \$1,440.00 0 \$0.00
	\$30,960.00
Signs and Markings and Street Light project costs vary by the number of minor legs associated Project Cost Estimate (attach detailed copy)	d with the intersection.  Proposed Year of Construction
Project Cost Estimate (attach detailed copy)	Proposed real of construction
Federal Funds \$27,864	,
Local Match (10% of Total project cost) \$3,096  *Total Project Cost \$30,960	
*Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency	
NDDOT Central Office Only	Up March and I
Project Accepted? Yes No Reference Number  Notes	ID Number
20,1100,100	Page: 13
23 USC 409 NDDOT Reserves All Objections Project suggested for agency	Intersection ID: 15.02

	VEMENT PROGRA	M (HSIP) PROJE	CT APPLI	CATION
North Dakota Department of Transp	ortation Programming			
SFN 59959 (06-2011)				
1	35th St SE	E (Cass 10) & 16	3rd Ave	SE (Cass 11)
Agency Name: Cas		500 A S Common C		D DOT District: 8
Contact Name: Jase	-			hone Number: 701-298-2372
	sonj@casscountynd.g	inv	20000	
Please attach a location map(s). You ma		· · · · · · · · · · · · · · · · · · ·	t.	
Location Description				
,	Maria del Cita e Maria Maria de Consego, ao a Esta Maria de Con-		37-28/00-925	SHSP Emphasis Area (check all that apply)
				Reduce Alcohol Impaired Driving
Configuration: T	Traffic Control Device			Increase the Use of Safety Restraints for all Occupants
Configuration (2): Undiv Urban/Rural: Rural				Younger Driver/Older Driver Safety Curb Aggressive Driving
County: Cass				Improvements to Address Lane Departure Crashes
Entering ADT: 1135	,			Enhancing Emergency Medical Capabilities to Increase Survivability
1	·			Improve Intersection Safety
Describe Current Safety Issues				是是1000年的1000年的第二人。 1980年第二人
North Dakota Crashes, 2008 - 2012		5 years		
То	tal Angle	K+A		
	3 2	0	_	A CONTRACTOR OF THE STATE OF TH
Rate (per MVM) 1.	.4 1.0	0.0	_	
1/-	0.111-1	D: 1 D 1:		
Va Skew N		Risk Ranking	x	
On/Near Curve N				
Development N				219
Near RR Crossing N				******
Distance from previous STOP Ye	es Yes	*		
Volume Cross Product Ye		*		Married College Colleg
Total Crashes 3	3 >0	* **	_	
		^^^		
Describe Proposed Safety Impr	ovements			是我们是有自己的自己的人。 第一章
Decomposition representation of the property in pro-	o vomonto		2000年/AI文章 (AIV)	· · · · · · · · · · · · · · · · · · ·
			Units	Cost Notes -
Descri	ption Unit Cost		Units	
Rounda	about \$3,000,000	per intersection	0	\$0.00
Rounda Directional Me	about \$3,000,000 edian \$900,000	per intersection	0 0	\$0.00
Rounda Directional Me Mainline Dynamic Warning	about \$3,000,000 edian \$900,000 Sign \$60,000	per intersection per intersection	0 0 0	\$0.00 \$0.00
Rounda Directional Me Mainline Dynamic Warning Close Me	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000	per intersection per intersection per intersection	0 0	\$0.00 \$0.00 \$0.00
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200	per intersection per intersection per intersection per street light	0 0 0	\$0.00 \$0.00 \$0.00 \$10,200.00
Rounda Directional Me Mainline Dynamic Warning Close Me	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540	per intersection per intersection per intersection per street light per sign	0 0 0	\$0.00 \$0.00 \$0.00 \$10,200.00 \$540.00
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540 Sign \$540 Sign \$540 Sign \$560	per intersection per intersection per intersection per street light	0 0 0	\$0.00 \$0.00 \$0.00 \$10,200.00
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540 Sign \$540 Sign \$540 Sign \$600 rking \$600	per intersection per intersection per intersection per street light per sign per sign per marking	0 0 0 0 1 1 1 1	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Ahead Ma	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540 Sign \$540 Sign \$600 rking \$600 b Bar \$360	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking	0 0 0 0 1 1 1 1 1	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540 Sign \$540 Sign \$600 rking \$600 b Bar \$360	per intersection per intersection per intersection per street light per sign per sign per marking	0 0 0 0 1 1 1 1	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$0.00
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Review Signs and	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540 Sign \$540 Sign \$600 rking \$600 o Bar \$360 CST \$2,940	per intersection per intersection per intersection per street light per sign per sign per sign per sign per marking per intersection	0 0 0 0 1 1 1 1 1 1	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$0.00 \$12,840.00
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540 Sign \$540 Sign \$600 cking \$600 cking \$600 cking \$600 cking \$3,940 cking \$2,940 ect costs vary by the number	per intersection per intersection per intersection per street light per sign per sign per sign per sign per marking per intersection	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$0.00 \$12,840.00
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Alead Ma Upgrade Stop Review Signs and	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540 Sign \$540 Sign \$600 cking \$600 cking \$600 cking \$600 cking \$3,940 cking \$2,940 ect costs vary by the number	per intersection per intersection per intersection per street light per sign per sign per sign per sign per marking per intersection	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$540.00 \$600.00 \$600.00 \$360.00 \$12,840.00 ection.
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Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Review Signs and Signs and Markings and Street Light proj Project Cost Estimate (attach de	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 ights \$10,200 Sign \$540 Sign \$540 Sign \$540 Sign \$600 orking \$600 o Bar \$360 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284	per intersection per intersection per intersection per street light per sign per sign per sign per sign per marking per intersection	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$540.00 \$600.00 \$600.00 \$360.00 \$12,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Akead Ma Upgrade Stop Review Signs and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project Cost Estimate)	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 sights \$10,200 Sign \$540 Sign \$540 Sign \$600 orking \$600 o Bar \$360 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$540.00 \$600.00 \$600.00 \$360.00 \$12,840.00 ection.
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Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Stop Ahead Ma Signs and Markings and Street Light proj Project Cost Estimate (attach de  Federal F Local Match (10% of Total project *Total Project Cost Stassed on typical NDDOT costs (March 2014  NDDOT Central Office Only	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$112,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Assigns and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project  *Based on typical NDDOT costs (March 2014 NDDOT Central Office Only Project Accepted?	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$540.00 \$600.00 \$600.00 \$360.00 \$12,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Ahead Ma Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project (*Based on typical NDDOT costs (March 2014) NDDOT Central Office Only	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$112,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Assigns and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project  *Based on typical NDDOT costs (March 2014 NDDOT Central Office Only Project Accepted?	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$112,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Assigns and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project  *Based on typical NDDOT costs (March 2014 NDDOT Central Office Only Project Accepted?	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$112,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Assigns and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project  *Based on typical NDDOT costs (March 2014 NDDOT Central Office Only Project Accepted?	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$112,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Assigns and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project  *Based on typical NDDOT costs (March 2014 NDDOT Central Office Only Project Accepted?	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$112,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Assigns and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project  *Based on typical NDDOT costs (March 2014 NDDOT Central Office Only Project Accepted?	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$112,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Assigns and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project  *Based on typical NDDOT costs (March 2014 NDDOT Central Office Only Project Accepted?	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 edian \$30,000 sign \$540 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (1): includes engineering, construction	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 1 0	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$600.00 \$360.00 \$112,840.00 ection.
Rounda Directional Me Mainline Dynamic Warning Close Me Installing Street L Upgrade Stop Upgrade Junction Upgrade Stop Ahead Upgrade Stop Ahead Upgrade Stop Ahead Ma Upgrade Stop Assigns and Signs and Markings and Street Light proj Project Cost Estimate (attach de Federal F Local Match (10% of Total project *Total Project  *Based on typical NDDOT costs (March 2014 NDDOT Central Office Only Project Accepted?	about \$3,000,000 edian \$900,000 Sign \$60,000 edian \$30,000 edian \$30,000 gights \$10,200 Sign \$540 Sign \$540 Sign \$600 CST \$2,940 ect costs vary by the number etailed copy) unds \$11,556 cost) \$1,284 Cost \$12,840 (i); includes engineering, constru	per intersection per intersection per intersection per street light per sign per sign per sign per marking per marking per marking r of minor legs associated	0 0 0 1 1 1 1 1 0 with the interse	\$0.00 \$0.00 \$10,200.00 \$540.00 \$600.00 \$360.00 \$12,840.00 ection.  I Year of Construction  Page: 17 Intersection ID: 10.06

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) PROJEC	T APPLICATION
North Dakota Department of Transportation Programming	
SFN 59959 (06-2011)	
25th St SE (Cass 4) & 7	155th Ave (ND 18)
Agency Name: Cass County	ND DOT District: 8
Contact Name: Jason Benson	Telephone Number: 701-298-2372
Email Address: bensonj@casscountynd.gov	
Please attach a location map(s). You may use additional sheets to further describe your project.	
Location Description	
	SHSP Emphasis Area (check all that apply)
Configuration: X Traffic Control Device: Thru-STOP	Reduce Alcohol Impaired Driving Increase the Use of Safety Restraints for all Occupants
Configuration (2): Undivided Street Lights: No	Younger Driver/Older Driver Safety
Urban/Rural: Rural Flashers: No	Curb Aggressive Driving
County: Cass Major Entering ADT: 1370	Improvements to Address Lane Departure Crashes
Entering ADT: 1885 Minor Entering ADT: 515	Enhancing Emergency Medical Capabilities to Increase Survivability
	Improve Intersection Safety
Describe Current Safety Issues & Systemic Ranking Review	
Describe Current Safety Issues & Systemic Ranking Review North Dakota Crashes, 2008 - 2012 5 years	
1	
Total Angle K+A	
Crashes 2 1 0 Rate (per MVM) 0.6 0.3 0.0	
Rate (per MVM) 0.6 0.3 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 ≥60,000 ★	The second of th
Total Crashes 2 >0 ★	<b>发展的心理的意义</b>
***	Togeth death against express with minimum classes with a common section to the complete them to the common section and common s
Describe Proposed Safety Improvements	
Description Unit Cost	Units Cost Notes - WB approach is gravel
Roundabout \$3,000,000 per intersection	0 \$0.00
Directional Median \$900,000 per intersection	0 \$0.00
Mainline Dynamic Warning Sign \$60,000 per intersection	1 \$60,000.00
Close Median \$30,000 per intersection	0 \$0.00
Installing Street Lights \$10,200 per street light	2 \$20,400.00 2 \$1,080.00
Upgrade Stop Sign \$540 per sign Upgrade Junction Sign \$540 per sign	2 \$1,000.00
Upgrade Stop Ahead Sign \$600 per sign	2 \$1,200.00
Upgrade Stop Ahead Marking \$600 per marking	2 \$1,200.00
Upgrade Stop Bar \$360 per marking	2 \$720.00
Review Signs and CST \$2,940 per intersection	0 \$0.00
Signs and Markings and Street Light project costs vary by the number of minor legs associated w	\$85,680.00
Project Cost Estimate (attach detailed copy)	Proposed Year of Construction
110jest 00st Estimate (attach actained 00py)	110pood 10di oi conditaction
Federal Funds \$77,112	8
Local Match (10% of Total project cost) \$8,568	
*Total Project Cost \$85,680	
*Based on typical NDDOT costs (March 2014); includes engineering, construction and contingency	
NDDOT Central Office Only	ID Number
Project Accepted?	ID Number
11000	
	Page: 18
23 USC 409 NDDOT Reserves All Objections Project suggested for agency's	Intersection ID: 4.05

North Dakota Department of Tr SFN 59959 (06-2011)			M (HSIP) PROJEC	T APPLIC	CATION	
0111 00000 (00 2011)		37tl	n St SE & 165th	Ave (Ca	ass 15)	
Agency Name:	Cass Cou				DOT District: 8	
Contact Name:		•		12.14	hone Number: 701-298-2372	
Email Address:	bensoni@	casscountynd.g	vo	100 HOUSE #1000		
Please attach a location map(s). You	ou may use a	idditional sheets to fur	ther describe your project.			
Location Description				The Fil		
					SHSP Emphasis Area (check all that apply) Reduce Alcohol Impaired Driving	
Configuration:	X	Traffic Control Device	: Thru-STOP		Increase the Use of Safety Restraints for all Occupants	
Configuration (2):		Street Lights			Younger Driver/Older Driver Safety	
Urban/Rural: County:		Flashers Major Entering ADT			Curb Aggressive Driving Improvements to Address Lane Departure Crashes	
Entering ADT:		Minor Entering ADT			Enhancing Emergency Medical Capabilities to Increase Surviv	ability
		· ·			Improve Intersection Safety	
Describe Current Safety Is:	auga P Cu	otomio Bankina l	Poviou			
North Dakota Crashes, 2008 - 2012	2		years			
TO ST						
Crashes	Total 1	Angle 0	K+A 0	-		
Rate (per MVM)	0.7	0.0	0.0			
				-		
	Value	Critical	Risk Ranking			
Skew	No	Yes	Trioritaritari	-		
On/Near Curve	Yes	Yes	*			
Development	No	Yes				
Near RR Crossing Distance from previous STOP	No No	Yes Yes				
Volume Cross Product	Yes	≥60,000	*		denic sp. district.	
Total Crashes	11	>0	* **	_		
			* * *			
Describe Proposed Safety	Improvem	ents				
	Danadatian	Unit Cost		Unite	Cook Notes	
	Description oundabout		per intersection	Units 0	Cost Notes - \$0.00	
I R			per intersection			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	nal Median			0	\$0.00	
Directior Mainline Dynamic Wa	nal Median arning Sign	\$60,000	per intersection	0 0	\$0.00	
Directior Mainline Dynamic Wa Clo	nal Median arning Sign ose Median	\$60,000 \$30,000	per intersection per intersection	0 0 0	\$0.00 \$0.00	
Directior Mainline Dynamic Wa Clo Installing St	nal Median arning Sign ose Median treet Lights	\$60,000 \$30,000 \$10,200	per intersection per intersection per street light	0 0	\$0.00	
Directior Mainline Dynamic Wa Clo Installing St	nal Median arning Sign ose Median treet Lights a Stop Sign	\$60,000 \$30,000 \$10,200 \$540	per intersection per intersection	0 0 0 2	\$0.00 \$0.00 \$20,400.00	
Directior Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop A	nal Median aming Sign ose Median treet Lights a Stop Sign nction Sign whead Sign	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600	per intersection per intersection per street light per sign per sign per sign	0 0 0 2 2 2 2	\$0.00 \$0.00 \$20,400.00 \$1,080.00 \$1,200.00	
Directior Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop A Upgrade Stop Ahea	nal Median arming Sign ose Median treet Lights Stop Sign oction Sign whead Sign and Marking	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600	per intersection per intersection per street light per sign per sign per sign per marking	0 0 0 2 2 2 2 2	\$0.00 \$0.00 \$20,400.00 \$1,080.00 \$1,200.00 \$1,200.00	
Directior Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop A Upgrade Stop Ahea	nal Median arning Sign ose Median treet Lights s Stop Sign nction Sign shead Sign ad Marking e Stop Bar	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360	per intersection per intersection per street light per sign per sign per sign	0 0 0 2 2 2 2	\$0.00 \$0.00 \$20,400.00 \$1,080.00 \$1,200.00	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jup Upgrade Stop A Upgrade Stop Ahea Upgrade Review Signs	nal Median aming Sign ose Median treet Lights is Stop Sign nction Sign shead Sign ad Marking e Stop Bar is and CST	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360 \$2,940	per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 0 2 2 2 2 2 2 2 2	\$0.00 \$20,400.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$0.00	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Stop Upgrade Stop Ahea Upgrade Review Signs	nal Median aming Sign ose Median treet Lights is Stop Sign nction Sign shead Sign ad Marking e Stop Bar is and CST	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360 \$2,940 ts vary by the number	per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$0.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jup Upgrade Stop A Upgrade Stop Ahea Upgrade Review Signs	nal Median aming Sign ose Median treet Lights is Stop Sign nction Sign shead Sign ad Marking e Stop Bar is and CST	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360 \$2,940 ts vary by the number	per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$20,400.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$0.00	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop A Upgrade Stop A Upgrade Review Signs Signs and Markings and Street Ligh Project Cost Estimate (attai	nal Median aming Sign aming Sign ase Median treet Lights e Stop Sign action Sign action Sign ad Marking e Stop Bar s and CST  ht project cost ch detailed eral Funds	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360 \$2,940 ts vary by the number of copy)	per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$0.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Stop A Upgrade Stop A Upgrade Stop Ase Upgra	nal Median aming Sign page Median treet Lights a Stop Sign paction Sign whead Sign ad Marking e Stop Bar s and CST  the project cost ch detailed eral Funds poject cost)	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360 \$2,940 ts vary by the number d copy) \$23,112 \$2,568	per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$0.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Stop Ahea Upgrade Stop Ahea Upgrade Stop Signs and Markings and Street Ligh Project Cost Estimate (attack Local Match (10% of Total Project)	nal Median aming Sign base Median treet Lights a Stop Sign baction Sign whead Sign and Marking a Stop Bar and CST bat project cost ch detailed eral Funds roject cost) ject Cost	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680	per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$0.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Stop A Upgrade Stop A Upgrade Stop Ase Upgra	nal Median aming Sign aming Sign ase Median treet Lights s Stop Sign action Sign whead Sign ad Marking e Stop Bar s and CST  th project cost ch detailed eral Funds roject cost ject Cost h 2014); includ	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680	per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$0.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop Ahea Upgrade Stop Ahea Upgrade Stop Assigns and Markings and Street Ligh Project Cost Estimate (attact Fede Local Match (10% of Total pro *Total Proj *Based on typical NDDOT costs (Marci NDDOT Central Office Only Project Accepted?	nal Median aming Sign base Median treet Lights and the Sign haction Sign whead Sign and Marking a Stop Bar and CST and the project cost of the Median treet Lights and CST and CST are said to the Median treet and the Median treet Funds are project cost by ject Cost the 2014); including	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680	per intersection per intersection per street light per sign per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$0.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop Ahea Upgrade Stop Ahea Upgrade Stop Assigns and Markings and Street Ligh Project Cost Estimate (attack Fede Local Match (10% of Total projected NDDOT Central Office Only	nal Median aming Sign base Median treet Lights and the Sign haction Sign whead Sign and Marking a Stop Bar and CST and the project cost of the Median treet Lights and CST and CST are said to the Median treet and the Median treet Funds are project cost by ject Cost the 2014); including	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680 les engineering, constru	per intersection per intersection per street light per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$20,400.00 \$1,080.00 \$1,080.00 \$1,200.00 \$720.00 \$0.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop Ahea Upgrade Stop Ahea Upgrade Stop Assigns and Markings and Street Ligh Project Cost Estimate (attact Fede Local Match (10% of Total pro *Total Proj *Based on typical NDDOT costs (Marci NDDOT Central Office Only Project Accepted?	nal Median aming Sign base Median treet Lights and the Sign haction Sign whead Sign and Marking a Stop Bar and CST and the project cost of the Median treet Lights and CST and CST are said to the Median treet and the Median treet Funds are project cost by ject Cost the 2014); including	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680 les engineering, constru	per intersection per intersection per street light per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$20,400.00 \$1,080.00 \$1,080.00 \$1,200.00 \$720.00 \$0.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop A Upgrade Stop Ahea Upgrade Stop Ase Welview Signs Signs and Markings and Street Ligh Project Cost Estimate (attack Fede Local Match (10% of Total pro *Total Proj *Based on typical NDDOT costs (Marci NDDOT Central Office Only Project Accepted?	nal Median aming Sign base Median treet Lights and the Sign haction Sign whead Sign and Marking a Stop Bar and CST and the project cost of the Median treet Lights and CST and CST are said to the Median treet and the Median treet Funds are project cost by ject Cost the 2014); including	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680 les engineering, constru	per intersection per intersection per street light per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$20,400.00 \$1,080.00 \$1,080.00 \$1,200.00 \$720.00 \$0.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop Ahea Upgrade Stop Ahea Upgrade Stop Assigns and Markings and Street Ligh Project Cost Estimate (attact Fede Local Match (10% of Total pro *Total Proj *Based on typical NDDOT costs (Marci NDDOT Central Office Only Project Accepted?	nal Median aming Sign base Median treet Lights and the Sign haction Sign whead Sign and Marking a Stop Bar and CST and the project cost of the Median treet Lights and CST and CST are said to the Median treet and the Median treet Funds are project cost by ject Cost the 2014); including	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680 les engineering, constru	per intersection per intersection per street light per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$20,400.00 \$1,080.00 \$1,080.00 \$1,200.00 \$720.00 \$0.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop A Upgrade Stop Ahea Upgrade Stop Ase Welview Signs Signs and Markings and Street Ligh Project Cost Estimate (attack Fede Local Match (10% of Total pro *Total Proj *Based on typical NDDOT costs (Marci NDDOT Central Office Only Project Accepted?	nal Median aming Sign base Median treet Lights and the Sign haction Sign whead Sign and Marking a Stop Bar and CST and the project cost of the Median treet Lights and CST and CST are said to the Median treet and the Median treet Funds are project cost by ject Cost the 2014); including	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680 les engineering, constru	per intersection per intersection per street light per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$20,400.00 \$1,080.00 \$1,080.00 \$1,200.00 \$720.00 \$0.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop A Upgrade Stop Ahea Upgrade Stop Ase Welview Signs Signs and Markings and Street Ligh Project Cost Estimate (attack Fede Local Match (10% of Total pro *Total Proj *Based on typical NDDOT costs (Marci NDDOT Central Office Only Project Accepted?	nal Median aming Sign base Median treet Lights and the Sign haction Sign whead Sign and Marking a Stop Bar and CST and the project cost of the Median treet Lights and CST and CST are said to the Median treet and the Median treet Funds are project cost by ject Cost the 2014); including	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680 les engineering, constru	per intersection per intersection per street light per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$1,080.00 \$1,080.00 \$1,200.00 \$1,200.00 \$720.00 \$0.00 \$25,680.00 ection.	
Direction Mainline Dynamic Wa Clo Installing St Upgrade Upgrade Jur Upgrade Stop A Upgrade Stop Ahea Upgrade Stop Ase Welview Signs Signs and Markings and Street Ligh Project Cost Estimate (attack Fede Local Match (10% of Total pro *Total Proj *Based on typical NDDOT costs (Marci NDDOT Central Office Only Project Accepted?	nal Median aming Sign base Median treet Lights and the Sign base Median rection Sign whead Sign and Marking a Stop Bar and CST base of the troject cost of the Median CST base of the M	\$60,000 \$30,000 \$10,200 \$540 \$540 \$600 \$360 \$2,940 ts vary by the number of copy) \$23,112 \$2,568 \$25,680 les engineering, constru	per intersection per intersection per street light per sign per sign per marking per marking per intersection  of minor legs associated v	0 0 2 2 2 2 2 2 2 2 2 0	\$0.00 \$20,400.00 \$1,080.00 \$1,080.00 \$1,200.00 \$720.00 \$0.00 \$25,680.00 ection.	

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HIGHWAY SAFETY IMP			(HSIP) PROJEC	ST APPLIC	CATION	
North Dakota Department of Ti SFN 59959 (06-2011)	ansportation	1 Programming				
,		76th Ave N	(Cass 22) & 17	73rd Ave	SE (Cass	31)
Agency Name:	Cass Cou		(0.000,		DOT District:	
Contact Name:		•				: 701-298-2372
		casscountynd.go	ov	© ««naso <u>»</u> —…		
Please attach a location map(s). Y				í		
Location Description		<b>为台湾和沙沙</b>				
						Emphasis Area (check all that apply) of Impaired Driving
Configuration:	T T	Traffic Control Device:	Thru-STOP			se of Safety Restraints for all Occupants
Configuration (2):	Undivided	Street Lights:				r/Older Driver Safety
Urban/Rural: County:		Flashers: Major Entering ADT:			Curb Aggressiv	ve Driving to Address Lane Departure Crashes
Entering ADT:		Minor Entering ADT:			And the second s	ergency Medical Capabilities to Increase Survivability
					Improve Interse	ection Safety
Departure Courses Cafato la	P C	otomia Bankina I	laviau.	10 to		
Describe Current Safety Is. North Dakota Crashes, 2008 - 201	2		years	are site of	No. 10 and 10 an	
	_	_	, 50.15			
0	Total	Angle	K+A			
Crashes Rate (per MVM)	1 0.4	2 0.8	0 0.0			
, marz 12				_		
	Value	Critical	Disk Banking			
Skew	Value No	Critical Yes	Risk Ranking	_		
On/Near Curve	No	Yes				
Development	No	Yes				
Near RR Crossing	No Vos	Yes				
Distance from previous STOP  Volume Cross Product	Yes Yes	Yes ≥60,000	* *		Home of all the	and the same
Total Crashes	1	>0	*		madamotiva	what in the same
			***			State of the State
Describe Proposed Safety	Improveme	ents				
	Mag					
	Description	Unit Cost	l-ttion	Units	Cost	_Notes -
	loundabout nal Median		per intersection per intersection	0 0	\$0.00 \$0.00	
Mainline Dynamic Wa			per intersection	0	\$0.00	
	ose Median		per intersection	0	\$0.00	MAR
Installing St			per street light	1	\$10,200.00 \$540.00	7/1/10
Upgrade Upgrade Jur	Stop Sign		per sign per sign	1	\$540.00 \$540.00	/
Upgrade Stop A			per sign	1	\$600.00	
Upgrade Stop Ahea	a company and the		per marking	0	\$0.00	
Upgrad Review Sign	le Stop Bar		per marking per intersection	1 0	\$360.00 \$0.00	
Troviori Sign	3 and CO	ΨΕ,υ.υ	per intersection		\$12,240.00	•
Signs and Markings and Street Ligi			of minor legs associated			
Project Cost Estimate (atta	ch detailed	l сору)		Proposed	Year of Cons	truction
Fed	leral Funds	\$11,016				
Local Match (10% of Total pr	roject cost)	\$1,224	r.			
*Total Pro	,	\$12,240				
*Based on typical NDDOT costs (Marc	STATE OF THE PARTY	es engineering, construc	tion and contingency			
NDDOT Central Office Only Project Accepted?	THE WAY TO SELECT THE DESIGNATION	No	Reference Number			ID Number
Notes	163	INC	Troiding Training			ID Nullico
						D
						Page: 22
23 USC 409						Page: 22 Intersection ID: 22.06 Date: 5/14/2014

HIGHWAY SAFETY IMPROVEME North Dakota Department of Transportation SFN 59959 (06-2011)		VI (HSIP) PROJEC	CT APPLIC	CATION	
25 N 29929 (00-2011)	18th St 5	SE (Cass 26) &	138th St	SE (ND 38)	
Agency Name: Cass Coun		)L (0033 20) &		DOT District: 8	
Contact Name: Jason Ben	•			hone Number: 701-298-2372	
Email Address: bensonj@d	asscountynd.g	ov	* ·		
Please attach a location map(s). You may use ad			i		
Location Description				CLICO Emphasia Area (check all that any	1.4
Configuration (2): Undivided Urban/Rural: Rural County: Cass Entering ADT: 1075	raffic Control Device: Street Lights: Flashers: Major Entering ADT: Minor Entering ADT:	: No : No : 643 : 433		SHSP Emphasis Area (check all that app Reduce Alcohol Impaired Driving Increase the Use of Safety Restraints for all Oct Younger Driver/Older Driver Safety Curb Aggressive Driving Improvements to Address Lane Departure Cras Enhancing Emergency Medical Capabilities to In Improve Intersection Safety	cupants
Describe Current Safety Issues & Syst			The state of the s		
North Dakota Crashes, 2008 - 2012	5	years			
Total	Angle	K+A	_		
Crashes 1 Rate (per MVM) 0.5	0 0.0	0 0.0			
			_	29	
Value Skew No	Critical Yes	Risk Ranking	_	W.	
On/Near Curve No	Yes				2
Development No	Yes				
Near RR Crossing No	Yes	_			
Distance from previous STOP Yes Volume Cross Product Yes	Yes ≥60,000	*		Per 2 Conf	TOTAL STATE OF THE PARTY OF THE
Total Crashes 1	>0	*	_	22.0 April 1	CHALLE.
		***		A STATE OF THE PROPERTY CONTRACTOR OF THE PROPER	
Describe Proposed Safety Improveme	nts				
Description	Unit Cost		Units	Cost Notes -	
Roundabout		per intersection	0	\$0.00	
Directional Median		per intersection	0	\$0.00	
Mainline Dynamic Warning Sign Close Median		per intersection per intersection	0	\$0.00 \$0.00	
Installing Street Lights		per street light	2	\$20,400.00	
Upgrade Stop Sign		per sign	2	\$1,080.00	
Upgrade Junction Sign		per sign	2	\$1,080.00	
Upgrade Stop Ahead Sign Upgrade Stop Ahead Marking		per sign per marking	2 2	\$1,200.00 \$1,200.00	
Upgrade Stop Bar	\$360	per marking	2	\$720.00	
Review Signs and CST	\$2,940	per intersection	0	\$0.00 \$25,680.00	
Signs and Markings and Street Light project costs	vary by the number	of minor legs associated	with the interse		
Project Cost Estimate (attach detailed	сору)		Proposed	Year of Construction	
Federal Funds	\$23,112				
Local Match (10% of Total project cost)	\$2,568				
*Total Project Cost	\$25,680				
*Based on typical NDDOT costs (March 2014); include: NDDOT Central Office Only	s engineering, construc	tion and contingency			
	No	Reference Number		ID Number	
Notes					
001100 400				Page: 23	
23 USC 409	Proj	act suggested for agency	's consideration	Intersection ID: 26.01	

HIGHWAY SAFETY IMPROVEMENT PROGRA	AM (HSIP) PROJEC	T APPLIC	ATION	
North Dakota Department of Transportation Programming SFN 59959 (06-2011)	V			
	25th St SE (Cass	s 4) & ND	38	
Agency Name: Cass County		ND	DOT District: 8	
Contact Name: Jason Benson		Teleph-	one Number: 701-	-298-2372
Email Address: bensonj@casscountynd.	<u> </u>			
Please attach a location map(s). You may use additional sheets to full continue Description	urther describe your project.			
Location Description			SHSP Emphas	sis Area (check all that apply)
Configuration: X Traffic Control Device Configuration (2): Undivided Street Ligh Urban/Rural: Rural Flasher County: Cass Major Entering AD Entering ADT: 658 Minor Entering AD	ts: No rs: No :T: 453 :T: 205		Reduce Alcohol Impa Increase the Use of S Younger Driver/Older Curb Aggressive Drivi Improvements to Add	aired Driving Safety Restraints for all Occupants r Driver Safety ving dress Lane Departure Crashes cy Medical Capabilities to Increase Survivability
Describe Current Safety Issues & Systemic Ranking North Dakota Crashes, 2008 - 2012	5 years	Mark to the		
	3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -			
Total Angle  Crashes 0 0	K+A 0	-		
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 No Yes				
Distance from previous STOP Yes Yes	*			
Volume Cross Product Yes ≥60,000	*			tone and the second sec
Total Crashes 0 >0	***	-		
	£7 co co			
Describe Proposed Safety Improvements				
Description Unit Cost		Units	Cost Notes	s -
Roundabout \$3,000,00	0 per intersection	0	\$0.00	
	0 per intersection	0	\$0.00	
, , ,	0 per intersection	0	\$0.00	2.22
l see the see that	per intersection     per street light	0 2	\$0,00	
	o per street light O per sign	2	\$1,080.00	9
Upgrade Junction Sign \$54	0 per sign	2	\$1,080.00	
	0 persign	2	\$1,200.00	
	0 per marking 0 per marking	1 2	\$600.00 \$720.00	
	0 per intersection	0	\$0.00	
	Carlana In an age aloted to	W. H Intorne	\$25,080.00	
Signs and Markings and Street Light project costs vary by the number Project Cost Estimate (attach detailed copy)			ction. Year of Constructi	tion
Froject Cost Estimate juitant actuated Copy		FIOPOGGE	Tear or construct.	WOII
Federal Funds \$22,572				
Local Match (10% of Total project cost) \$2,508  *Total Project Cost \$25,080	-			
*Total Project Cost \$25,080  *Based on typical NDDOT costs (March 2014); includes engineering, constr	ruction and contingency			
NDDOT Central Office Only	dellori and contange			
Project Accepted?	Reference Number		ID Nu	ımber
Notes				
23 USC 409				Page: 26 Intersection ID: 4.01

LUCI DAVAN CA EETY DA	000/514	ENT BROOM	A (HOID) DDO IE	OT ADDI IO	ATION			
HIGHWAY SAFETY IMI			W (HSIP) PROJE	CT APPLIC	ATION			
North Dakota Department of Tourish September 1, 2011	ransportatio	n Programming						
0114 09309 (00-2011)		24th St S	E (Cass 10) &	130th Avo	SE (ND	38)		
	0		L (Cass 10) &					
Agency Name:					DOT Distric		•	
Contact Name:				i elepn	one Numbe	r: 701-298-237	2	
		casscountynd.go						
Please attach a location map(s). Y	ou may use a	additional sneets to fur	tner describe your projec	i.			· · · · · · · · · · · · · · · · · · ·	Sing Index (AS)
Location Description					SHSP	Emphasis Area (ch	neck all that apply)	
						hol Impaired Driving		
Configuration:		Traffic Control Device	Thru-STOP				raints for all Occupants	
Configuration (2):		Street Lights				er/Older Driver Saf	ety	
Urban/Rural: County:		Flashers Major Entering ADT			Curb Aggress		Departure Crashes	
Entering ADT:		Minor Entering ADT					Capabilities to Increase Su	urvivability
						section Safety	Care Daniero Care Care Care Care Care Care Care Care	
		TARREST WAY THAT				a second second second second		W- 10-19 - 11-11-11
Describe Current Safety Is								
North Dakota Crashes, 2008 - 201	2	5	years					
	Total	Angle	K+A		party areas from the contract of the contract			1
Crashes	0	0	0					200
Rate (per MVM)	0.0	0.0	0.0	_			Carlotte Committee	9
					-		THE RESERVE TO	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM
								en contra
	Value	Critical	Risk Ranking			de de		Area to the
Skew	No	Yes	rusic rusining	_		OFT.		Carried Control of Con
On/Near Curve	No	Yes			學是要			1
Development	No	Yes						7
Near RR Crossing	Yes	Yes	*					Section 20
Distance from previous STOP Volume Cross Product	Yes Yes	Yes ≥60,000	*		Per 19 (00)	A CONTRACTOR OF THE PARTY OF TH	A total and	TI STATE OF THE ST
Total Crashes	0	>0	^		de Australia		DATE HARF	***************************************
			***		Terrestrate or and address with	MEDICAL STATE STATE AND		ž
Describe Proposed Safety	Improvem	ents		Service of the servic	La Carrier de			100 100 100 100
	Description	Unit Cost		Units	Cost	Notes		
	Roundabout		per intersection	0	\$0.00			
	nal Median		per intersection	0	\$0.00			
Mainline Dynamic Wa	arning Sign		per intersection	0	\$0.00	1		
0 00 0	ose Median	100 100 100 100 100	per intersection	0	\$0.00	- (InA		
Installing S	treet Lights Stop Sign		per street light per sign	1	\$10,200.00 \$540.00	2/11/2		
Upgrade Ju			per sign	1	\$540.00			
Upgrade Stop A			per sign	1	\$600.00			
Upgrade Stop Ahe	and the second second second second	\$600	per marking	1	\$600.00			
	le Stop Bar		per marking	1	\$360.00			
Review Sign	is and CST	\$2,940	per intersection	0	\$0.00 \$12,840.00	_		
Signs and Markings and Street Lig	ht project cos	sts vary by the number	of minor legs associated	with the interse				
Project Cost Estimate (atta	ch detaile	d copy)		Proposed	Year of Con	struction		
		200 6						
12.00	leral Funds	\$11,556						
Local Match (10% of Total p *Total Pro		\$1,284 <b>\$12,840</b>						
*Based on typical NDDOT costs (Marc		100000000000000000000000000000000000000	ction and contingency	1				
NDDOT Central Office Only	HARVES CHIEF SHEET IN THE	aco originocring, conocca	Storr and Goriangericy					
Project Accepted?		No	Reference Number			ID Number		
Notes								
							Page: 27	
23 USC 409						Inters	ection ID: 10.01	
NDDOT Reserves All Objections		Proj	ect suggested for agency	y's consideration	i		Date: 5/14/2014	

HIGHWAY SAFETY IMI			M (HSIP) PROJEC	T APPLI	ICATION	
North Dakota Department of T SFN 59959 (06-2011)	ransportation I	Programming				
011100000 (00 2011)		18th St S	E (Cass 26) & 1	155th St	St SE (ND 18)	
Agency Name:	<b>Cass Count</b>				D DOT District: 8	
Contact Name:				Telep	phone Number: 701-298-2372	
Email Address:						
Please attach a location map(s). Y	ou may use add	ditional sheets to fur	ther describe your project.			RESERVED AND ADDRESS.
Location Description					SHSP Emphasis Area (check all that apply)	The post of the second
					Reduce Alcohol Impaired Driving	
Configuration: Configuration (2):		affic Control Device: Street Lights:			Increase the Use of Safety Restraints for all Occupants Younger Driver/Older Driver Safety	į.
Urban/Rural:		Flashers:			Curb Aggressive Driving	
County:		Major Entering ADT:			Improvements to Address Lane Departure Crashes	
Entering ADT:	1803 N	Minor Entering ADT:	665		Enhancing Emergency Medical Capabilities to Increase Improve Intersection Safety	Survivability
					improve intersection earcty	
Describe Current Safety Is	sues & Syst					
North Dakota Crashes, 2008 - 201	2	5	years			
	Total	Angle	K+A	_		
Crashes Rate (per MVM)	0 0.0	0 0.0	0 0.0			THE PERSON NAMED IN COLUMN 1
Nate (per wivivi)	0.0	0.0	0.0	-		
						and the same of th
	Makes	Odlical	Diele Deselves		PROPERTY AND ADDRESS OF THE PERSON OF THE PE	
Skew	Value No	Critical Yes	Risk Ranking		ALVO AND A STATE OF THE PARTY O	
On/Near Curve		Yes				The second secon
Development		Yes				
Near RR Crossing Distance from previous STOP	Yes Yes	Yes Yes	*			
Volume Cross Product		≥60,000	*		Territoria (1974) (1974	riconius de la constante de la
Total Crashes	0	>0		-0.		
			***			
Describe Proposed Safety	Improvemen	nts				
	Description	Unit Cost		Units	Cost Notes	
	Roundabout		per intersection	0	\$0.00	
Constant of Constant	nal Median		per intersection	0	\$0.00	
Mainline Dynamic Wa	arning Sign ose Median		per intersection	1 0	\$60,000.00	
Installing S			per intersection per street light	2	\$20,400.00	
	Stop Sign		per sign	2	\$1,080.00	
Upgrade Ju			per sign	2 2	\$1,080.00 \$1,000.00	
Upgrade Stop A Upgrade Stop Ahe			per sign per marking	2	\$1,200.00 \$1,200.00	
Upgrad	le Stop Bar	\$360	per marking	2	\$720.00	
Review Sign	s and CST	\$2,940	per intersection	0	\$0.00 \$85,680.00	
Signs and Markings and Street Lig	ht project costs	vary by the number	of minor legs associated w	vith the inters		
Project Cost Estimate (atta	ch detailed	сору)		Proposed	ed Year of Construction	
Foo	leral Funds	\$77,112				
Local Match (10% of Total p		\$8,568				
*Total Pro	ject Cost	\$85,680				
*Based on typical NDDOT costs (Marc		engineering, constru	ction and contingency			
NDDOT Central Office Only Project Accepted?		No	Reference Number		ID Number	12 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C
Notes		110	rtoloronoo rtambol		ID Hambon	
					Page: 29	
23 USC 409		Deci	ect suggested for agency's	consideration	Intersection ID: 26.02 ion. Date: 5/14/2014	
NDDOT Reserves All Objections		FIOJ	sociauggested for agency s	, consideratio	Date. 0/14/2014	