Federal HSIP Funding Application (Form 1)

Office Use Only INSTRUCTIONS: Complete and return completed application to Lars Impola, Mn/DOT, Metro District, 1500 West County Road B2, Roseville, Minnesota 55113. (651) 234-7820. Applications must be received by 4:30 PM or postmarked on July 1, 2011. *Be sure to complete and attach the Project Information form. (Form 2) I. GENERAL INFORMATION 1. APPLICANT: City of Minneapolis 2. JURISDICTIONAL AGENCY (IF DIFFERENT): 300 Border Ave N 3. MAILING ADDRESS: CITY: STATE: MN ZIP CODE: 55405 4. COUNTY: Hennepin Minneapolis 5. CONTACT PERSON: TITLE: PHONE NO. Allan Kluqman Sr. Professional Engineer (612) 673-2743 CONTACT E-MAIL ADDRESS: allan.klugman@ci.minneapolis.mn.us II. PROJECT INFORMATION 6. PROJECT NAME: 35th & 36th Streets Overhead Signal Additions 7. BRIEF PROJECT DESCRIPTION (Include location, road name, type of improvement, etc... A more complete description can be submitted separately): Addition of overhead signal indications at sixteen existing signal systems along the one-way pair of 35th Street and 36th Street in South Minneapolis 8. HSIP PROJECT CATEGORY — Circle which project grouping in which you wish your project to be scored. The 2011 HSIP solicitation is for Reactive projects only III. PROJECT FUNDING Are you applying or have you applied for funds from another source(s) to implement this project? Yes No X If yes, please identify the source(s): 10. FEDERAL AMOUNT: \$ 1,080,000 13. MATCH % OF PROJECT TOTAL: 10% 14. SOURCE OF MATCH FUNDS: MSA & city bonds 11. MATCH AMOUNT: \$ 120,000 1,200,000 15. REQUESTED PROGRAM YEAR : ☐2015 X 2016 12. PROJECT TOTAL: \$ 16. SIGNATURE: 17. TITLE: Ellan Klugman Senior Professional Engineer

PROJECT INFORMATION (Form 2)

(To be used to assign State Project Number after project is selected)

Please fill in the following information as it pertains to your proposed project. Items that do not apply to your project, please label N/A. Do not send this form to the State Aid Office. For project solicitation package only.

COUNTY, CITY, or LEAD AGENCY City of Minneapolis
FUNCTIONAL CLASS OF ROAD Minor Collector
ROAD SYSTEM MSAS (TH, CSAH, MSAS, CO. RD., TWP. RD., CITY STREET)
NAME OF ROAD 35th & 36th Streets (Example: 1st Street, Main Avenue)
APPROXIMATE BEGIN CONSTRUCTION DATE (MO/YR) 05/2017
APPROXIMATE END CONSTRUCTION DATE (MO/YR) 11/2017
LOCATION: From: Blaisdell Ave S
To: Portland Ave S
(DO NOT INCLUDE LEGAL DESCRIPTION)
TYPE OF WORK Signals (Addition of Overhead Signals)
(Examples: GRADE, AGG BASE, BIT BASE, BIT SURF, SIDEWALK, CURB AND GUTTER, STORM SEWER, SIGNALS, LIGHTING, GUARDRAIL, BIKE PATH, PED



Department of Public Works

Steven A Kotke, P.E. City Engineer Director

350 South 5th Street - Room 203 Minneapolis MN 55415

> Office 612 673-3000 Fax 612 673-3565 TTY 612 673-2157

June 30, 2011

Mr. Lars Impola Mn/DOT Metro District Traffic Engineering 1500 West County Road B2 Roseville, MN 55113

RE: Highway Safety Improvement Program (HSIP) Funding Applications

Dear Mr, Impola:

The City of Minneapolis Department of Public Works is submitting applications for the 2015-2016 Highway Safety Improvement Program (HSIP) for the following projects:

- Bicycle Lane Colored Conflict Zones
- Pedestrian Countdown Signals
- 4th Avenue Overhead Signal Additions
- 35th and 36th Streets Overhead Signal Additions

The City is committed to securing the required local match for these projects and to the operation and maintenance of these projects for their useful lives.

Thank you for considering our applications.

Sincerely,

Steven A. Kotke, P.E.

City Engineer - Director of Public Works

Call City Information and Services

www.cl.minneapolis.mn.us Affirmative Action Employer



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June 30, 2011

Mr. Lars Impola Mn/DOT Metro District Traffic Engineering 1500 West County Road B2 Roseyille, MN 55113

RE: Highway Safety Improvement Program (HSIP) Funding Application 35th and 36th Streets Overhead Signal Additions

Dear Mr. Impola:

Attached are the 2011 application materials for Highway Safety Improvement Program (HSIP) funds for the 35th and 36th Streets Overhead Signal Additions project.

This project is being submitted for your consideration by the City of Minneapolis. The project manager will be Allan Klugman, Senior Professional Engineer with Department of Public Works. The project consists of the addition of overhead signal indications, in all directions, at sixteen existing signal systems along the one-way pair of 35th Street and 36th Street between Blaisdell Avenue South and Portland Avenue South in South Minneapolis in 2016. The total project cost is estimated at \$1,200,000, with Federal funding requested in the amount of \$1,080,000. The local match will be \$120,000, coming from a combination of Municipal State Aid (MSA) and City Net Debt Bond funds.

The following documents are attached:

- A letter from the Minneapolis City Engineer Director of Public Works committing for project local match and future operation and maintenance funding
- Project location map
- Plan sheet showing typical intersection improvement
- Collision diagrams for each intersection in the project
- HSIP B/C worksheet
- Amortization worksheet

We have used the crash data from Mn/DOT for the sixteen intersections on 35th Street and 36th Street. The attached table depicts the work to be conducted at each intersection. The majority of the project work consists of adding new overhead signal installations where none exist. At four of the project intersections a current overhead signal exists. At these locations it is proposed to replace the mast arm with a longer mast arm and add supplemental signal heads.



We have used a composite right angle crash reduction factor of 42%, derived as follows:

- Twelve of the project intersections will include new overhead signal
 installations. The reduction factor for a new installation, based on three
 years of before and after crash records collected at 21 intersections in
 Minneapolis where overhead signals were added to existing signal
 systems, is 45%.
- Four of the project intersections will include revision of an existing overhead signal to include longer mast arms and supplemental signal heads. A crash reduction factor of 35% for that mitigation was obtained from the source: "FHWA Desktop Reference for Crash Reduction Factors", Page 14, line 7 under the category of "Add signal (additional primary head)".
- Prorating the 45% and 35% reductions for the total number of intersections and crashes in the corridor leads to a single, corridor-wide, composite reduction rate of 42%. This value is used in the B/C computations.
- Also, using the Minneapolis crash data base, right angle crashes caused by driver fault on the leg crossing 35th or 36th at Nicollet and at 3rd Avenue were removed. This project is not adding overheads to those approaches, so the existing crash experience on those legs will not be affected. (Nicollet has existing overhead signals that will not be affected by this project. 3rd Avenue is a more minor roadway than the other project cross streets; overhead signals will not be added for the 3rd Avenue approaches.)

Thank you for considering our application for 2011 Highway Safety Improvement Program funds.

Sincerely,

Allan Klugman, P.E., PTOE City of Minneapolis

300 Border Avenue North Minneapolis, MN 55405

Attachments

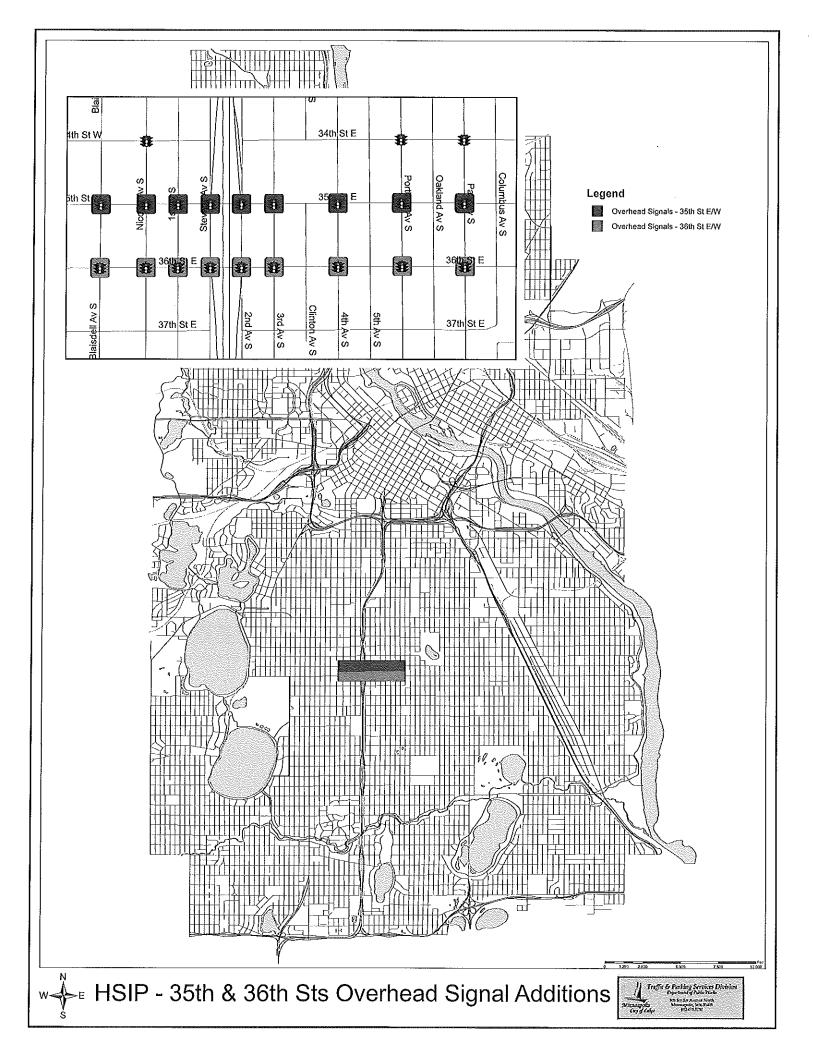
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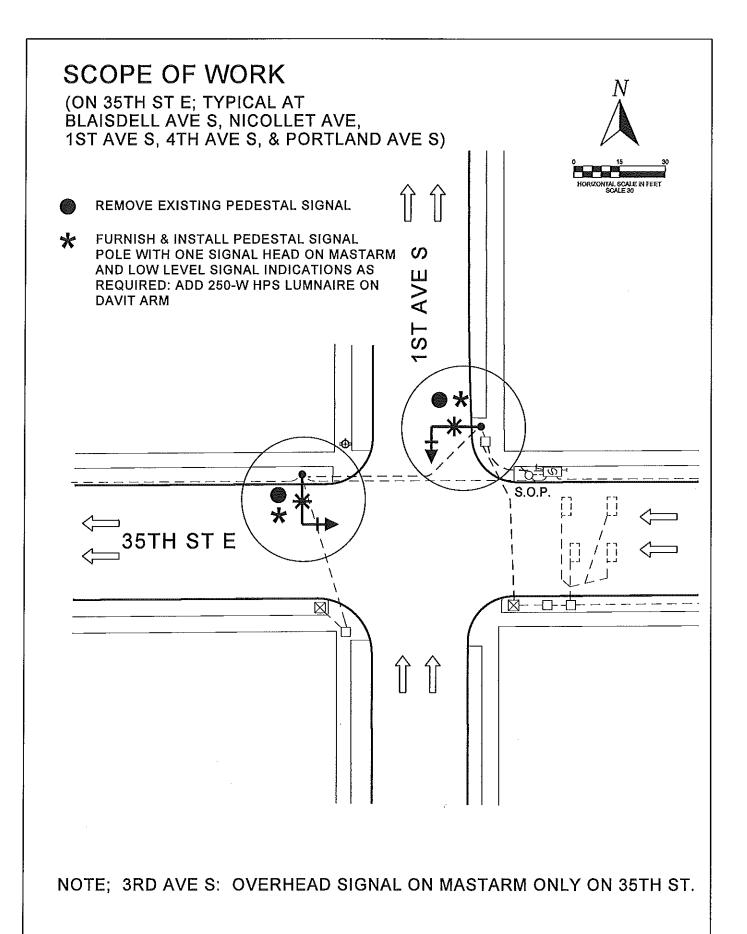
Mr. Steve Kotke Mr. Jon Wertjes

Man Klugman

Highway Safety Improvement Program Funding Application 35^{th} Street and 36^{th} Street Overhead Signal Additions Project Locations

Intersection	Proposed Work
35 th Street West/Blaisdell Avenue South	Install overhead signals on 35 th & on Blaisdell
2. 35 th Street W/E/Nicollet Avenue South	Install overhead signal on 35 th only
3. 35 th Street East/1 st Avenue South	Install overhead signals on 35th & on 1st
4. 35th Street East/Stevens Avenue South	OH signals exist; Install new longer mast arm and supplemental heads on 35 th & on Stevens
5. 35th Street East/2nd Avenue South	OH signals exist; Install new longer mast arm and supplemental heads on 35 th & on 2 nd
6. 35 th Street East/3 rd Avenue South	Install overhead signal on 35 th only
7. 35 th Street East/4 th Avenue South	Install overhead signals on 35 th & on 4th
8. 35 th Street East/Portland Avenue	Install overhead signals on 35 th & on
South	Portland
9. 36 th Street West/Blaisdell Avenue South	Install overhead signals on 36 th & on Blaisdell
10. 36 th Street W/E/Nicollet Avenue South	Install overhead signal on 36 th only
11. 36th Street East/1st Avenue South	Install overhead signals on 36 th & on 1st
12. 36 th Street East/Stevens Avenue	OH signals exist; Install new longer mast
(South)	arm and supplemental heads on 36 th & on Stevens
13. 36 th Street East/2 nd Avenue South	OH signals exist; Install new longer mast arm and supplemental heads on 36 th & on 2 nd
14. 36 th Street East/3 rd Avenue South	Install overhead signal on 36 th only
15. 36th Street East/4th Avenue South	Install overhead signals on 36th & on 4th
16. 36th Street East/Portland Avenue	Install overhead signals on 36 th & on
South	Portland





SCOPE OF WORK

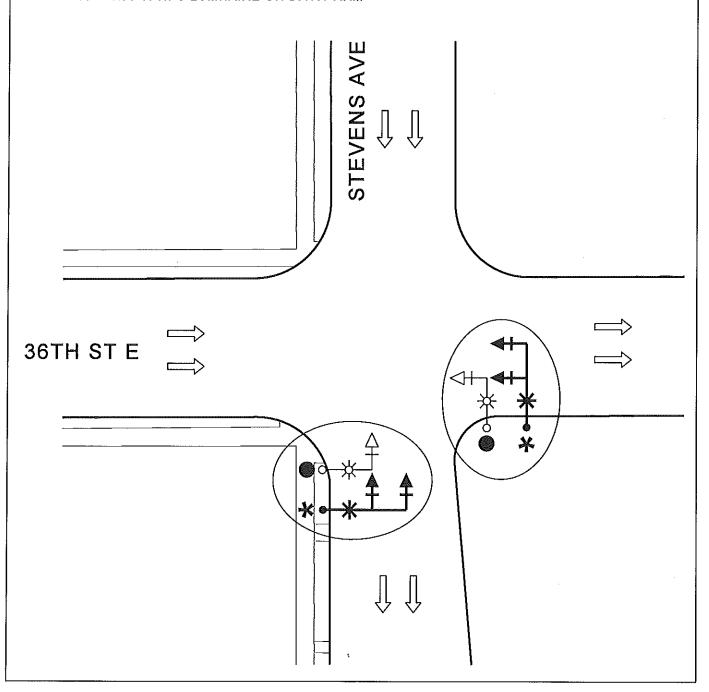
(ON 36TH ST E; TYPICAL AT STEVENS AVE S & 2ND AVE S)







FURNISH & INSTALL PEDESTAL SIGNAL POLE WITH LONGER MASTARM AND WITH TWO SIGNAL HEADS ON MASTARM AND LOW LEVEL SIGNAL INDICATIONS AS REQUIRED: ADD 250-W HPS LUMNAIRE ON DAVIT ARM



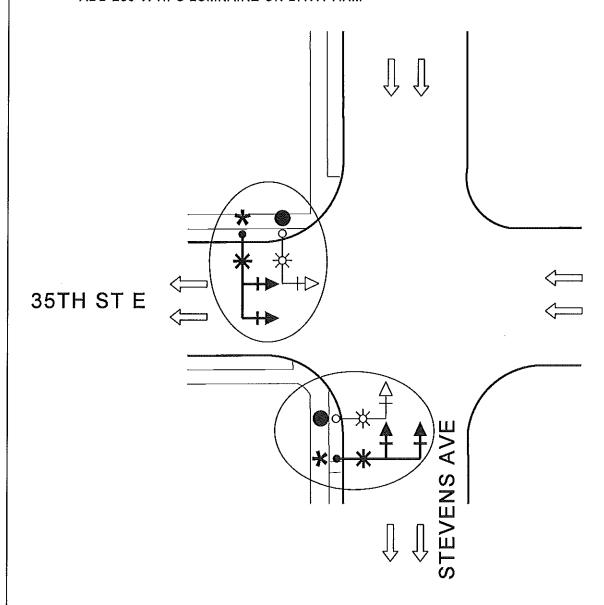
B/C worksheet		G59054964 BS		35th Street and 36			cations on 35	Beginning Ref. Pt. Blaisdell Avenue				Study Period Ends 12/31/2009
Accident Diag		>		2	وا	-	5	4,7	8,9	Pedestrian	6, 90, 98, 99 Other	Total
Study Period: Number of Crashes % Change in Crashes Use Deskloo Reference for Grash Reduction Factors Change in Crashes PI Reference for Grash Reduction Factors PI Reference for Grash Reduction Factors PI Reference for Grash Reduction Factors	F A B B C C C C C C C C C C C C C C C C C						0 0 16 36 70 -42% -42% -42% -42%					-6.72
crashes X & S & S & S & S & S & S & S & S & S &						:	-29.40					-29,40
Year (Safety Improven	Right of V		n)	\$ 1,200,000	Type of Crash	Study Period: Change in Crashes	Annual Change in Crashes	Cost per Crash	Annual Benefit		B/C=	12.87
Right of Way Costs (Traffic Growth Fact				3%	F A		:	\$ 7,100,000 \$ 415,000		Using present B =		^{25,} 449,229
Capital Recovery					В	-6.72	-2.24		\$ 306,880	C=	\$ 1,	200,000
1. Discount Rate				4.5%	С	-15,12	-5.04			See "Calculat amortization.	ions" sheet f	for
2. Project Service	Life (n)		Separation and annual state of the separation of	20	PD Total	-29.40	-9.80	\$ 12,000	\$ 117,600 \$ 883,120		·	

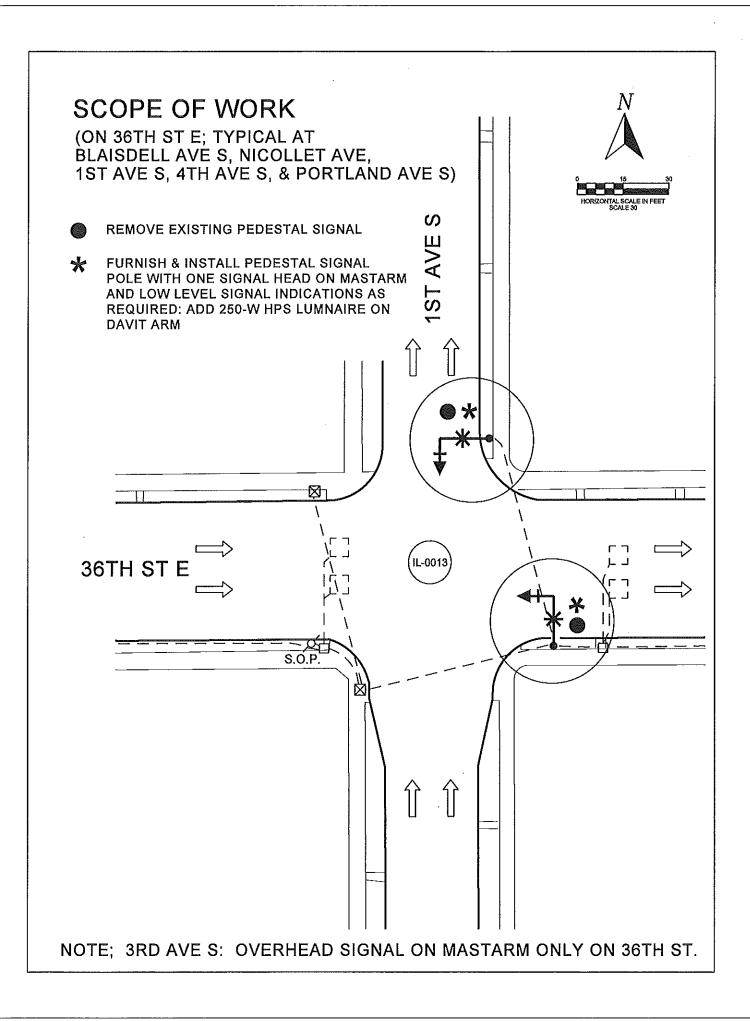
SCOPE OF WORK

(ON 35TH ST E; TYPICAL AT STEVENS AVE S & 2ND AVE S)



- REMOVE EXISTING PEDESTAL SIGNAL POLE WITH ONE SIGNAL HEAD ON MASTARM
- FURNISH & INSTALL PEDESTAL SIGNAL POLE WITH LONGER MASTARM AND WITH TWO SIGNAL HEADS ON MASTARM AND LOW LEVEL SIGNAL INDICATIONS AS REQUIRED: ADD 250-W HPS LUMNAIRE ON DAVIT ARM





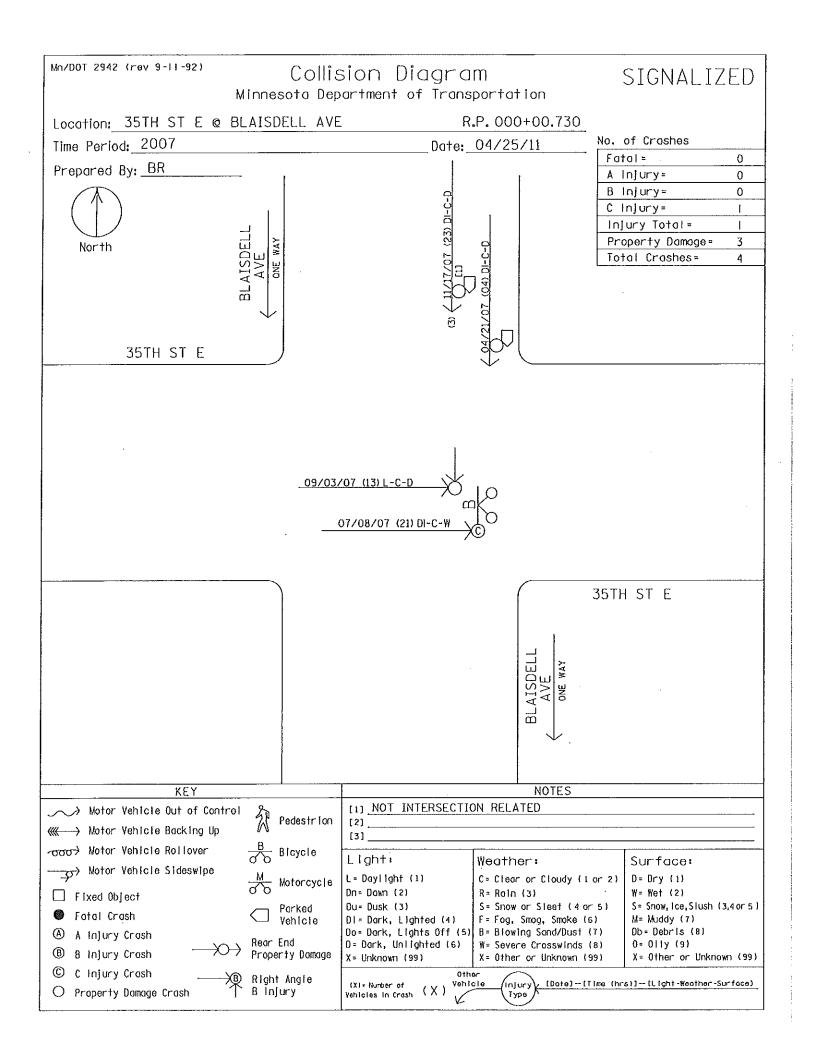
Amortizing...

	Crash	Present Worth	Present Worth
Year	Benefits	Benefits	Costs
2016	\$ 883,120	\$ 883,120	\$ 1,200,000
2017	\$ 909,614	\$ 870,444	
2018	\$ 936,902	\$ 857,949	
2019	\$ 965,009	\$ 845,634	
2020	\$ 993,959	\$ 833,496	
2021	\$ 1,023,778	\$ 821,532	
2022	\$ 1,054,491	\$ 809,740	
2023	\$ 1,086,126	\$ 798,116	
2024	\$ 1,118,710 \$ 1,152,271 \$ 1,186,839	\$ 786,660	
2025	\$ 1,152,271	\$ 775,368	
2026	\$ 1,186,839	\$ 764,239	
2027	\$ 1,222,445	\$ 753,269	
2028	\$ 1,259,118	\$ 742,456	
2029	\$ 1,296,891	\$ 731,799	
2030	\$ 1,335,798 \$ 1,375,872	\$ 721,295	
2031	\$ 1,375,872	\$ 710,941	
2032	\$ 1,417,148	\$ 700,736	
2033	\$ 1,459,663	\$ 690,678	
2034	\$ 1,503,453	\$ 680,764	
2035	\$ 1,548,556	\$ 670,992	
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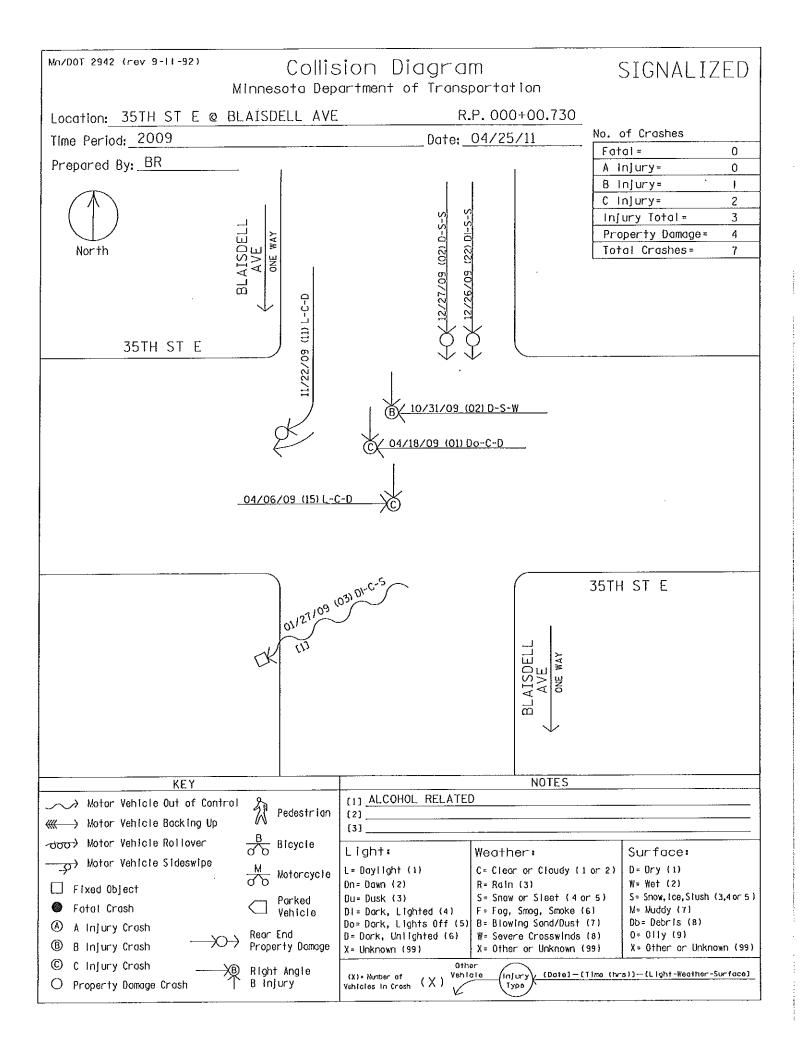
year (n)= 1, 2, 3,.... discount rate (i) = 7%

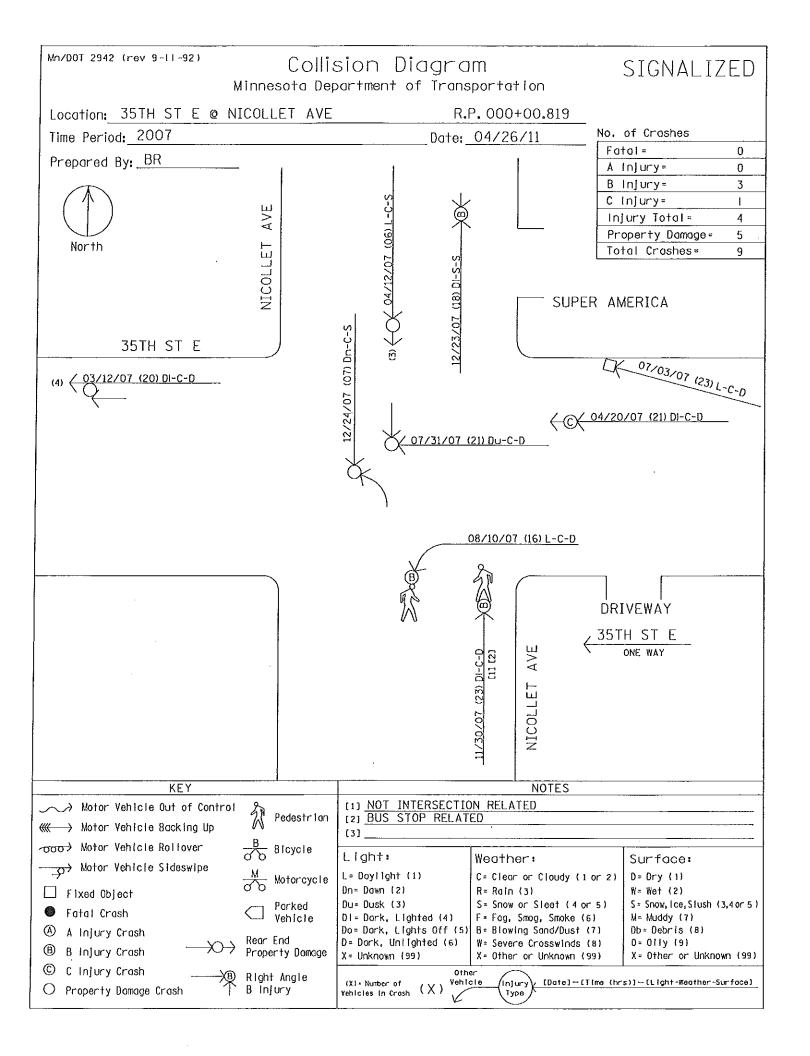
Crash Benefits
$$(@ year n) = (Crash Benefits)_{n-1} X (1 + Traffic Growth Factor)$$

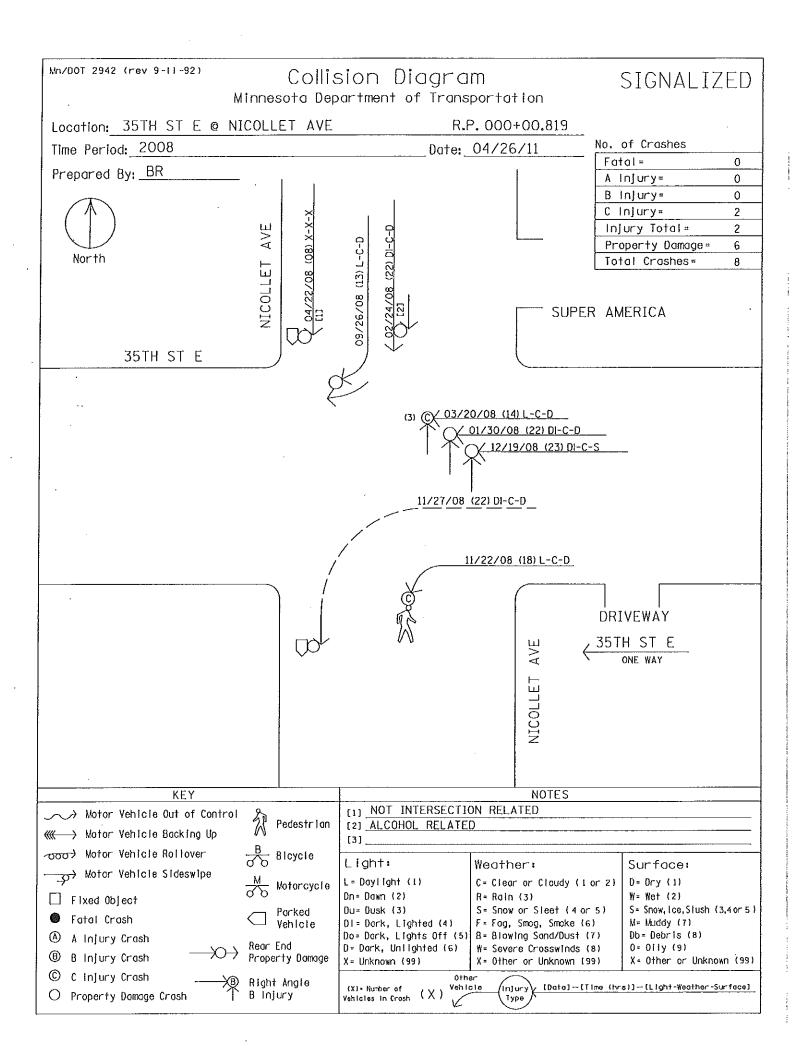
Present Worth Benefits
$$(@ year n) = (Crash Benefits)_n X 1/(1 + Discount Rate)^n$$

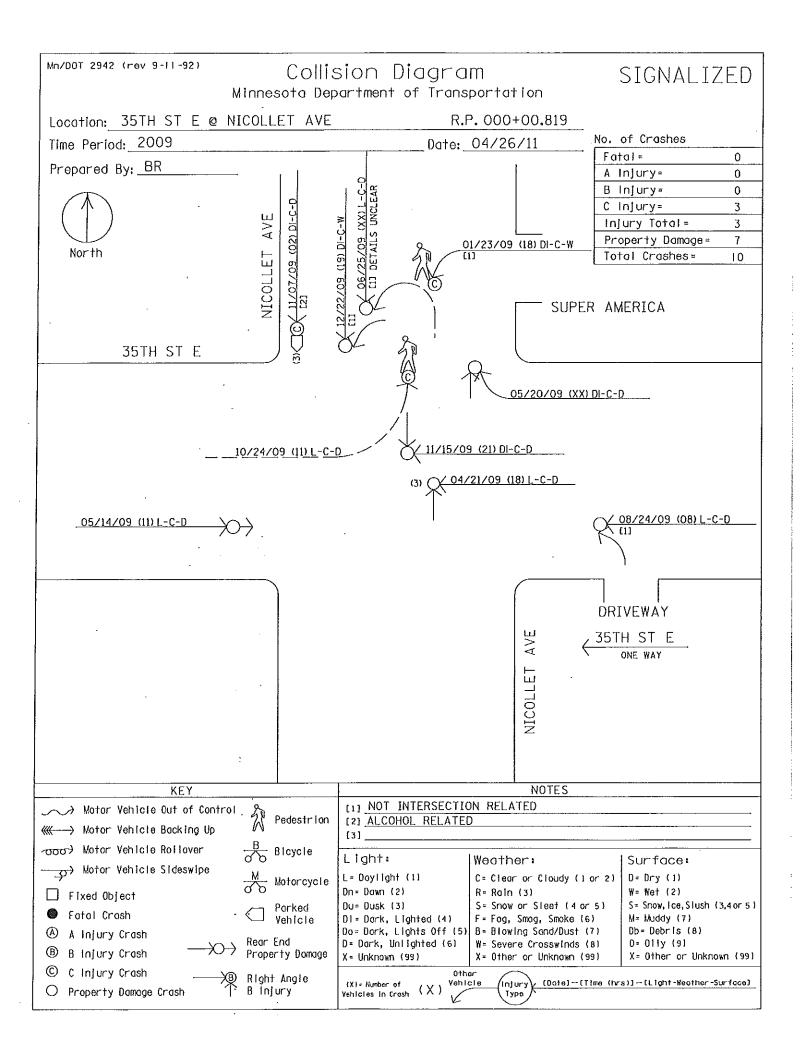


	sion Diagram partment of Transportation	SIGNALIZED
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Mn/DOT 2942 (rev 9-11-92)		sion Diagra artment of Trans		SIGNALIZED
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(B) B injury Crash (C) C injury Crash (C) → (B)		X = Unknown (99)	X= Other or Unknown (9	
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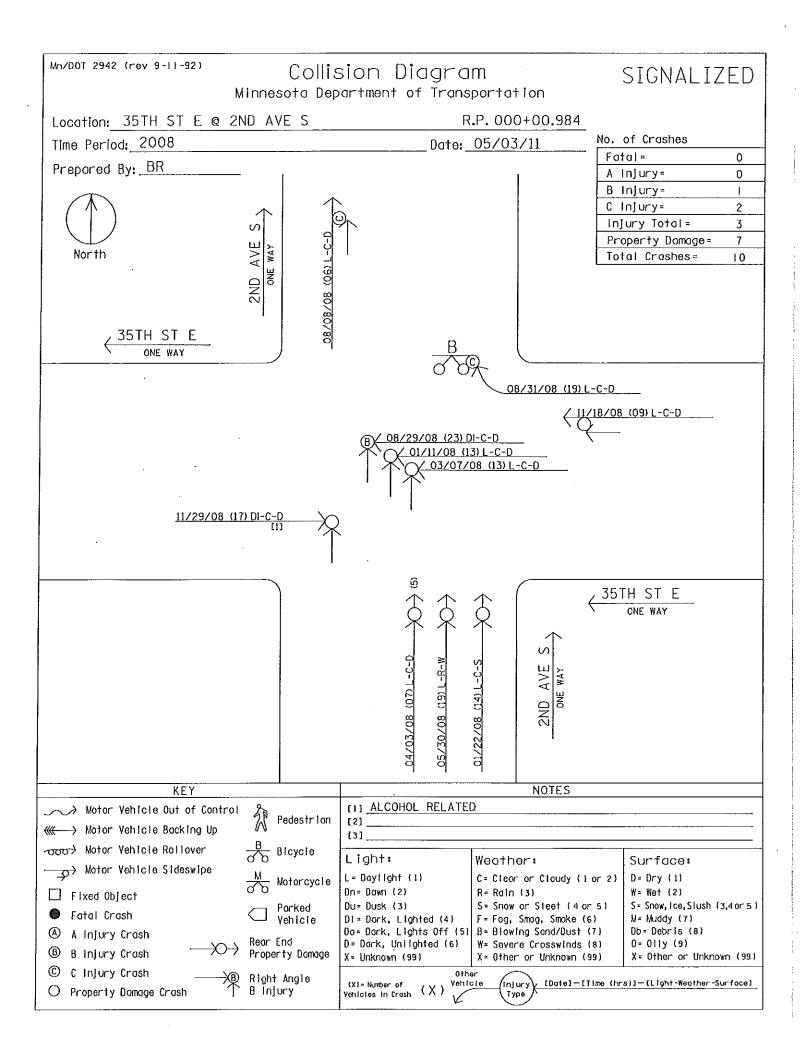
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Motor Vehicle Backing Up ■ Motor Vehicle Backing	? Pedestrian	[2] ALCOHOL RELATED	0	
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──→ Motor Vehicle Sideswipe	Motorcycle	L = Day ght (1)	Weather: C=Clear or Cloudy (1 or	Surface: 21 D= Dry (1)
Fixed Object		Dn= Down (2)	R= Rain (3)	W= Wet (2)
Fatal Crash	Porked Yehlcle	Du= Dusk (3) DI= Dork, Lighted (4)	S= Snow or Sleet (4 or 5 F= Fog, Smog, Smoke (6)	M= Muddy (7)
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© C Injury Crash	Right Angle B injury	Other (X): Number of (X) Vehicles in Crosh (X)		e (hrs)]—[Light-Weather-Surface]
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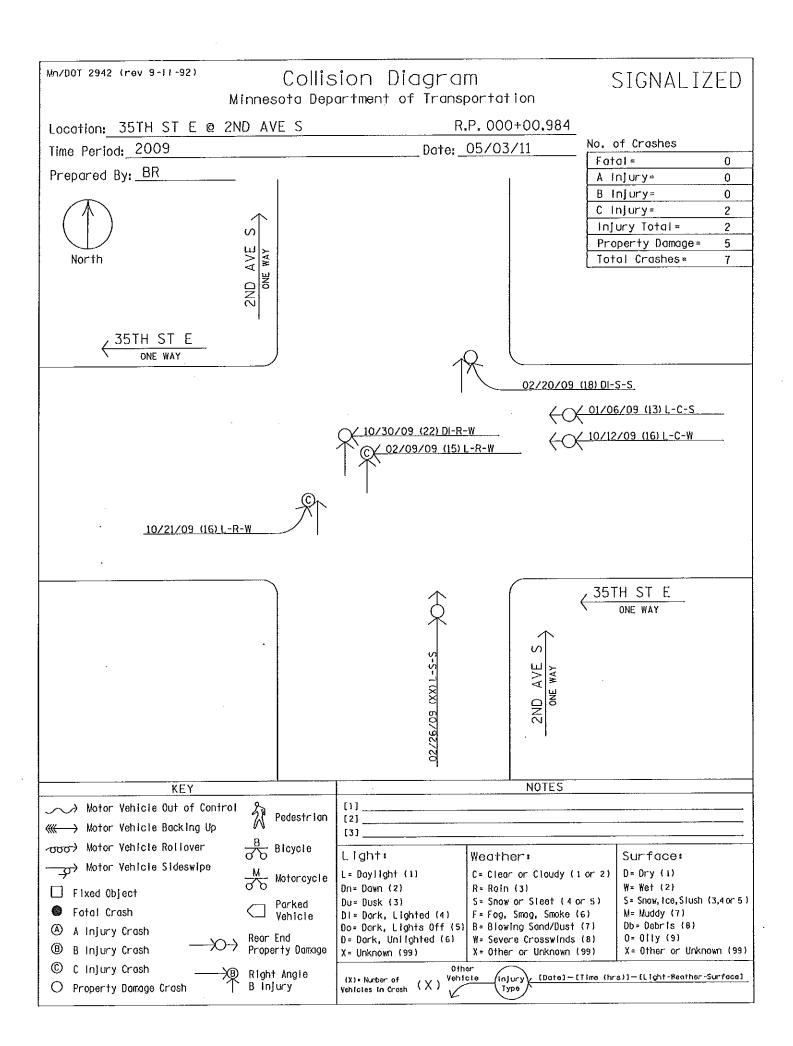
Mn/DOT 2942 (rev 9-11-92)	Colli	sion Diagro	ım	SIGNALIZED
1		partment of Trans		SIGNALIZED
Location: 35TH ST E @ S	TEVENS AVE	R.F	°. 000+00.984	
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·	< (05/07/07 (10) L-C-D	.	
VEV	(3)		S) L - C - D I - C - D O2/21/07 (17) Du - C - O5/26/07 (17) I O3/30/07 (0 B B	C-D
KEY	9	[1]	NOTES	
	W Pedestrian	[2]		-
-ooo> Motor Vehicle Rollover	B Bicycle	Light:	Weather:	Curstons
──→ Motor Vehicle Sideswipe	Motorcycle	L= Daylight (1)	C= Clear or Cloudy (1 or	Surface: 2) D= Dry (1)
Fixed Object	Parked	On= Dawn (2) Du= Dusk (3)	R= Rain (3) S= Snow or Sleet (4 or 5	\(\mathfrak{\pi} = \mathfrak{\pi} = \mathfrak{\pi} \) \(S = \text{Snow, Ice, Slush (3,4 or 5)} \)
Fatal Crash A Injury Crash	Vehicle	Di= Dark, Lighted (4) Do= Dark, Lights Off (5)	F = Fog, Smog, Smoke (a)	M= Muddy (7) Db= Debris (8)
® B Injury Crosh →>>	Rear End Property Damage	D= Dark, Unlighted (6) X= Unknown (99)	W= Severe Crosswinds (8) X= Other or Unknown (99)	0= 0f(y (9) X= 0ther or Unknown (99)
© C Injury Crash O Property Domage Crash	Right Angle 8 injury	(X)= Number of Yehld Yeh	er (: (hrs)}—[Light-Waather-Surface]

				,
Mn/DOT 2942 (rev 9-11-92)	Collis	ion Diagra	am	SIGNALIZED
M		artment of Tran		OTOMALIZED
Location: 35TH ST E @ S	TEVENS AVE	R.	P. 000+00.984	
Time Period: 2008		Date	04/29/11	No. of Crashes
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AVE AVE		*		C Injury= 4
\frac{1}{2} \frac{1}{2}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(11) (11) (22) (12)	(18) (18) (18) (19) (19) (18) (18)	Injury Total = 8 Property Damage = 32
VENS ONE WAY	(06) L	2-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5	704/08 711/08 717/08 717/08 701/08 701/08 711/08	Total Crashes = 40
STEVENS ONE WA 12/08 (17) DI- 15/08 (12) L	708 (0.00 (0	33 L-C 33 Dr-C 33 Dr-C 33 Dr-C 33 Dr-C 33 Dr-C 33 Dr-C 34 Dr-C 35 Dr-C 37 Dr-D 37 Dr-C 37 Dr-C 37 Dr-C 37 Dr-C 37 Dr-C 37 Dr-C 37 Dr-C 37 Dr-D 37 Dr-C 37 Dr-D 37 Dr-D	88881138888	
TS:	37.04, 77.14, 77.14, 70.27, 70.27, 8 (13) 8 (13) 8 (13)			
35TH ST E		5 4 8 8 4 8 8 4 8 8 8 8 8 8 8 8 8 8 8 8		
ONE WAY	08/ 09/ 09/	097.11.00 05.7.10 0.05.7.0	·	
<u> </u>	/			NAME OF THE PERSON OF THE PERS
	<i>\$</i>		0 0	
			그 상	05/24/08 (15) L-C-D
	Œ-	02/14/08 (14) L-C-S		
	1		월 a . ````	12/18/08 (13) L-X-D ETAILS UNCLEAR
	\downarrow	/ 08/06/08 (00) DI-C-D	9 9 6	01/13/08 (16) DI-C-D
		08/23/08 (18) L-C-D		5/08 (15) L-C-D —
	(/-			
•	VB		02/02/08 (14) L-C-	
			03/04/08 (16) MOTORIZED WHEE	L CHAIR
		-	MQ (35TH ST E
		(γρ <i>←</i>	ONE WAY
			AVE	
			≻	
			TEVENS ONE WAY	
			<u> </u>	
			IS	
VCV			NOTES	
KEY Motor Vehicle Out of Control	8	[1]	HOTES	
	# Pedestrian	[5]		
√000 Motor Vehicle Rollover	Blcycle	[3]		
→ → Motor Vehicle Sideswipe		Light: L= Daylight (1)	Weather: C= Clear or Cloudy (1	Surface: or 2) D= Dry (1)
Fixed Object	Motorcycle	Dn= Dawn (2)	R= Rain (3)	W= Wet (2)
Fatal Crash	Parked Vehicle	Du= Dusk (3) DI= Dack, Lighted (4)	S= Snow or Sleet (4 o F= Fog, Smog, Smoke (•
A Injury Crash	Rear End	Do≃ Dork, Lights Off (5) B= Blowing Sond/Dust	(7) Db= Debris (8)
\cdot \otimes B Injury Crash $\longrightarrow \longrightarrow \longrightarrow$	Property Domoge	Ð= Dork, Unlighted (6) X≔ Unknown (99)	₩= Severe Crosswinds X= Other or Unknown (
© C Injury Crash ————————————————————————————————————	Right Angle	201 D VA	other injury [Date]—[Ilma (hrs) → [Light-Weather-Surface]
O Property Damage Crash 1	8 Injury	L. T. L. (X)	Турв	

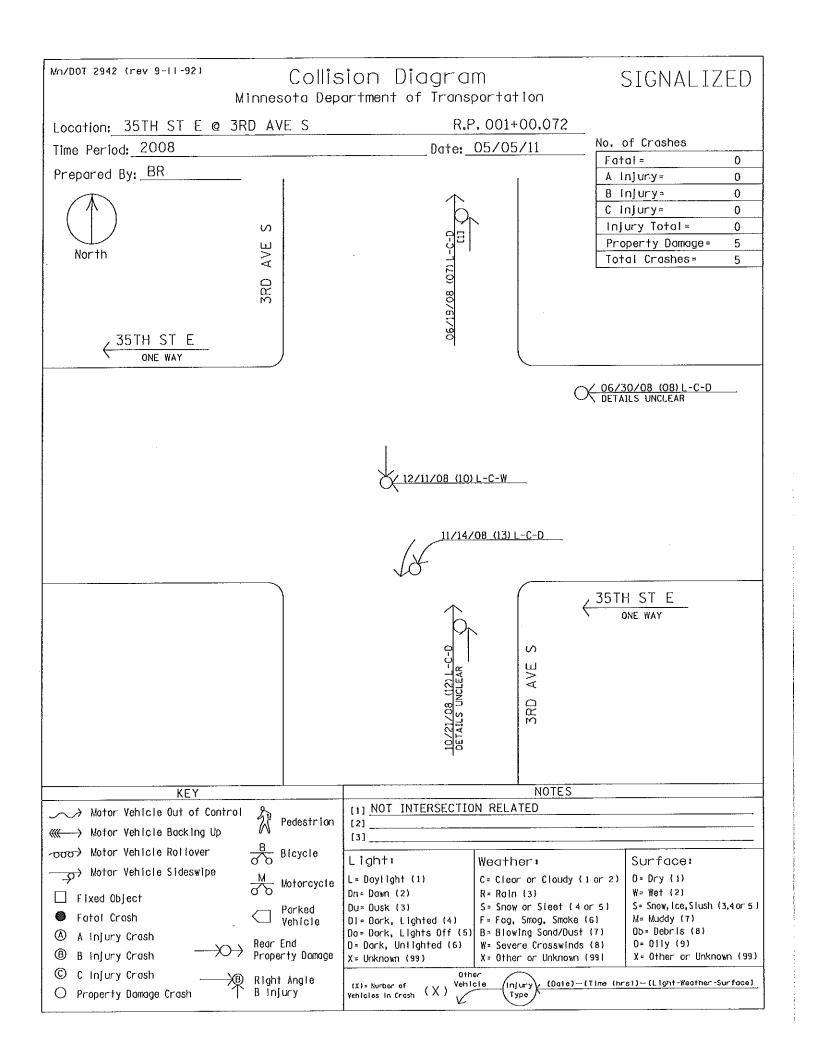
Mn/DOT 2942 (rev 9-11-92) Collision Diagram SIGNALIZED Minnesota Department of Transportation Location: 35TH ST E @ STEVENS AVE R.P. 000+00.984 No. of Crashes Time Period: 2009 Date: 04/29/11 Fatal⇒ 0 Prepared By: BR A Injury= 0 B Injury= ŧ) 05/04/09 (01) DI-C-D) 05/09/09 (14) L-C-D) 05/11/09 (14) L-C-D C Injury= (10) L-C-D 4 04/10/09 (14) L-C-D Injury Total= 5 STEVENS Property Domage= 24 North 06/28/09 (B) 04/08/09 07/31/09 Total Crashes= 29 Ô 35TH ST E ONE WAY (11) C-D 08/16/09 (12) L-C-D 06/10/09 (00) D-R-W 35TH ST E ONE WAY EVENS KEY [1] NOT INTERSECTION RELATED → Motor Vehicle Out of Control Pedestrian [2] ≪ → Motor Vehicle Backing Up ~~~> Motor Vehicle Rollover Bicycle Light: Weather Surfacei Motor Vehicle Sideswipe C= Clear or Cloudy (1 or 2) L= Daylight (1) D = Ory (1) Motorcycle Dn= Dawn (2) R= Rain (3) W= Wef (2) Fixed Object Du= Dusk (3) S = Snow or Sleet (4 or 5) S= Snow, Ice, Slush (3,4 or 5) Parked Fatal Crash Vehicle Dl = Dork, Lighted (4) F = Fog, Smog, Smoke (6) M= Muddy (7) Do = Dark, Lights Off (5) B = Blowing Sand/Dust (7) A Injury Crash Ob = Debris (8) Reor End D= Dark, Unlighted (6) 0 = 011y(9)W= Severe Crosswinds (8) B Injury Crash Property Damage X = Unknown (99) X= Other or Unknown (99) X= Other or Unknown (99) C Injury Crash Other Right Angle [Date] — (Time {hrs}) — [Light-Weather-Surface] (X) = Number of Vehicle Intury Vehicles in Crash (X) O Property Damage Crash B Injury Туре

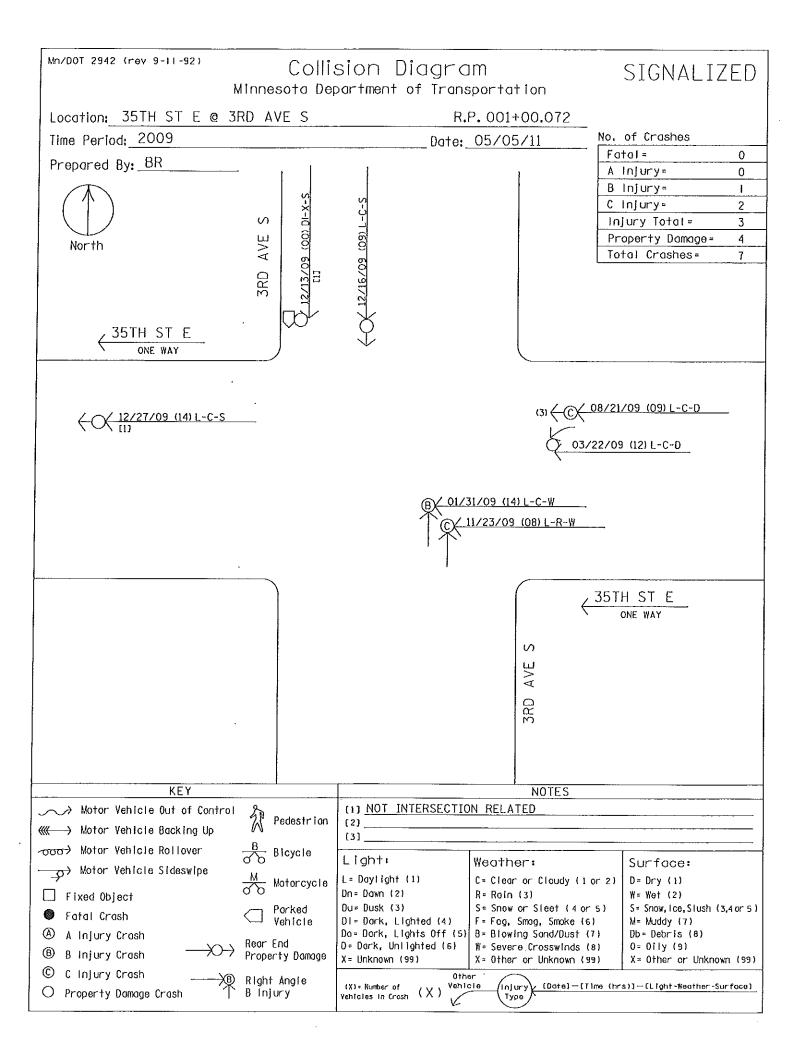
	Collision Diagram	SIGNALIZED
Location: 35TH ST E @ 2ND AVE	RP OC	0+00.984
	Date: 05/0	
Time Period: 2007	Date: 0370	Fatal = 0
Prepared By: BR		A Injury= 0
		8 Injury= 0 C Injury= 3
		Injury Total = 3
w k		Property Damage= 5
North D AVE		Total Crashes≃ 8
35TH ST E ONE WAY		
		03/01/07 (09) L-S-S
·	04/01/07 (16) L-R- CX 07/07/07 (11) L CX 01/20/07 (-C-D (3)
	05/11/07 (07) L-C-D M O O O O O O O O O O O O O O O O O O	SND AVE S ONE WAY
KEY		NOTES
→ Motor Vehicle Out of Control & Pe ← Motor Vehicle Backing Up	edestrian [1] [2] [3]	
Motor Vehicle Rollover B B	icycle Light: Weat	her: Surface:
	[100]	ear or Cloudy (1 or 2) D= Dry (1)
☐ Fixed Object	Dn= Down (2) R= Ro	In (3) W= Wet (2) S= Snow, Ice, Slush (3,4 or 5)
● Fatal Crash Po	chicle D1 = Dark, Lighted (4) F = Foo	J. Smog, Smoke (6) M= Muddy (7)
	Do= Dark, Lights Off (5) 8= Blo D= Dark, Unlighted (6) W= Se	owing Sand/Dust (7) Db= Debris (8) vere Crosswinds (8) D= D(ly (9) ter or Unknown (99) X= Other or Unknown (99)
© C Injury Crosh ————————————————————————————————————	Angle (X)= Number of (X) Vehicle (Vehicles in Crosh	njury [Date] - [Time (hrs)] - [Light-Weather-Surface]





Mn/DOT 2942 (rev 9-11-92)		sion Diagra partment of Trans		SIGNALIZED
Location: 35TH ST E @ 31	RD AVE S	R.I	P. 001+00.072	
Time Period: 2007	772 0		05/05/11	No. of Crashes
Prepored By: BR			00/ 00/ 11	Fatal= 0
ri epoi ed by:	·		I	A Injury= 0 B Injury= 0
				B Injury≃ 0 C Injury=
	ν			Injury Total =
North	AVE			Property Damage≃ 0
	ŀ			Total Crashes =
,	3RD	•		
,35TH ST E				
ONE WAY				
			(4) LCY	12/08/07 (19) DI-C-D
			137 67	
•				
				35TH ST E
			. <	ONE WAY
				`
			S H	
			AVE	
			3RD	
			K.	
KEY			NOTES	
✓ → Motor Vehicle Out of Control	20	[1]		
≪ Motor Vehicle Backing Up	Pedestrion	[2]		
√000> Motor Vehicle Rollover	B Blcycle		Wa adda	C
─────────────────────────────────────		Light: L= Doylight (1)	Weather: C= Clear or Cloudy (1 a	Surface:
Fixed Object	Motorcycle	Dn = Down (2)	R= Rain (3)	W= Wet (2)
Fatal Crash	Parked Vehicle	Du= Dusk (3) DI= Dork, Lighted (4)	S= Snow or Sleet (4 or F= Fog, Smog, Smoke (6)	1 1 1
A Injury Crash		Do= Dark, Lights Off (5)	B= Blowing Sand/Dust (7) Db = Debris (8)
® 8 Injury Crash →>>	Rear End Property Damage	D= Dark, Unlighted (6) X= Unknown (99)	W≃ Severe Crosswinds (8 X= Other or Unknown (99	,
© C Injury Crash	Right Angle	0th	er	me (hrs))—[Light-Weather-Surface]
O Property Damage Crash	8 İnjury	(X) Number of (X) Vehicles in Crosh (X)	(Injury) (Date) - (Til	200 217 CE (Att Land that Lant Local





	ision Diagram epartment of Transpo		SIGNALIZED
Location: 35TH ST E @ 4TH AVE S	•	001+00.198	
Time Period: 2007	Date: 05	J/1U/11	of Crashes
Prepared By: BR			tal= 0 Injury= 0
			Injury= 0
		1	Injury= 2 Jury Total= 2
S			Jury Total = 2 operty Damage = 4
North AV		1 1—	tal Crashes= 6
1 H			
4			
, 35TH ST E			
ONE WAY			
	Į.	01/07/07 (13) L-C-D	
	Q.		
	K	. 07/04/07/00/1 0 #	
*	04/13/07 (12) L-C-D	01/24/07 (08) L-C-W	
/ 04/15/07 (20) DI-C-D	(<u>√ 07/16/07 (04) D)-C-D</u>	(√ 03	3/15/07 (21) DI-C-D
	*		; ;
_	1	351	H ST E
		(331	ONE WAY
		S	
		Ш	
		\\ \delta \	
		王	
		4	
KEY		NOTES	
	[1]	NOTES	
→ Motor Vehicle Out of Control Whotor Vehicle Backing Up Pedestri Pe	n [2]	- 44-2	
~ 000 Motor Vehicle Rollover $\frac{B}{600}$ Bicycle		leather:	Surface:
Motor Vehicle Sideswipe Motorcyc	1	= Clear or Cloudy (1 or 2)	D= Dry (1)
☐ Fixed Object	DIT DOWN 127	= Rain (3) = Snow or Steet (4 or 5)	W= Wet (2) S= Snow, Ice, Slush (3,4or5)
Fatal Crash Parked Vehicle	Di= Dark, Lighted (4) F	= Fog, Smog, Smoke (6)	M= Muddy (7) Db= Debris (8)
A Injury Crash	D= Dork, Unlighted (6) W	i= Blowing Sand/Dust (7) /= Severe Crosswinds (8)	0= 011y (9)
© C Injury Crash ————————————————————————————————————	X = Unknown (99) X = Unknown (99) Other (X1 = Number of Yehlcles in Crosh Vehicles in Crosh	= Other or Unknown (99) Injury (Datel-(Ilme ()	X= Other or Unknown (99)
• •			

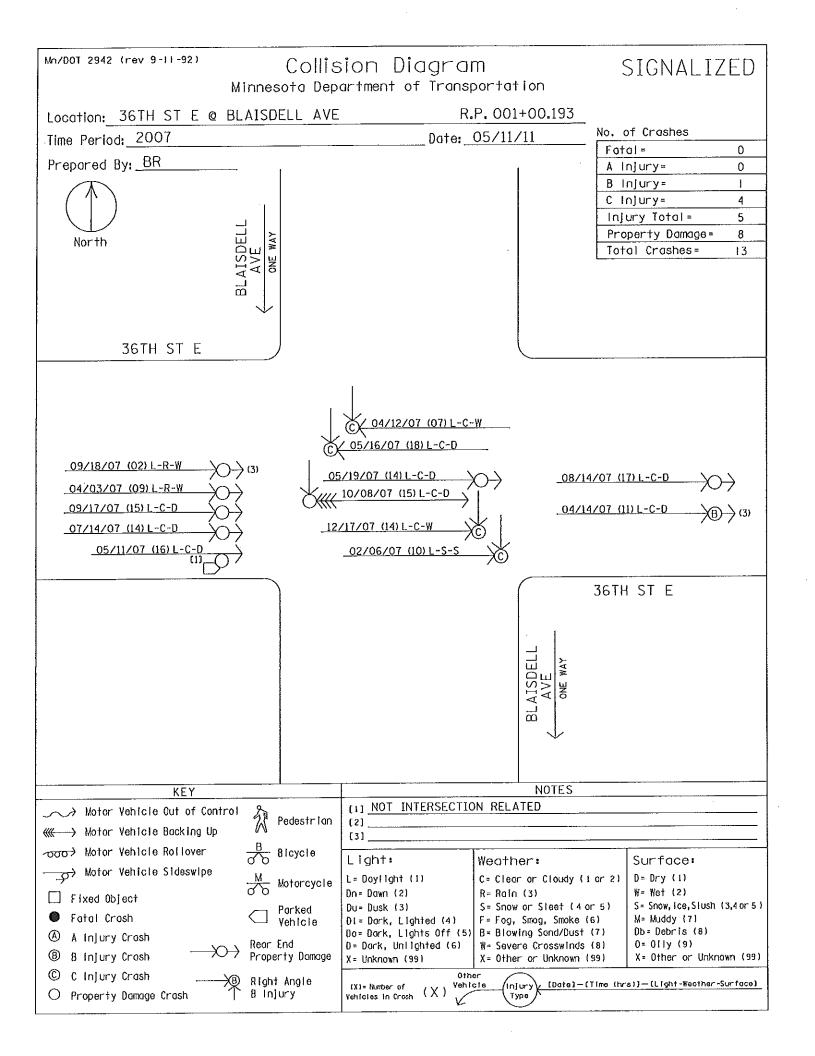
Mn/DOT 2942 (rev 9-11-92) COllision Diagram Minnesota Department of Transportation				SIGNALIZED
Location: 35TH ST E @ 4	TH AVE S	R.	P. 001+00.198	
Time Period: 2008				o. of Crashes
Prepared By: BR		Dd16:_		otal= 0
77 cpdi cd by. <u></u>	-		}	A Injury= 0 B Injury= 0
				Cinjury= 2
	S		 	Injury Total = 2
North	AVE			Property Damage= 4 Total Crashes= 6
	4 T H			
	4			
75TU CT C				
35TH ST E ONE WAY	12			
	11	/06/08 (14) L-R-W	105/04/00/1	71.00
			06/04/08 (1	3) (-C-D
		\sim	<u> </u>	
		*	' V	
		(<u>x 04/09/08 (19) DI-</u>	O9/21/08 (18) L	-C-D
		(<u>X 04/19/08 (18) L-C-D</u>	<u>c-u</u>	
		V 04713700 (107 L C B	·	
				Til CT 5
			⟨ 35	TH ST E
)				
1			S	
			AVE	
			Į.	
			HT 4	
KEY	<u> </u>		NOTES	
→ Motor Vehicle Out of Control	2 Pedestrion	[1]		·
Motor Vehicle Backing Up Notes Weiter Backing	<i>0</i> V	[3]		
ਰਹਰ) Motor Vehicle Rollover →ਤ} Motor Vehicle Sideswipe	B Bicycle	Light:	Weather:	Surface:
	Motorcycle	L= Doylight (1) Dn= Dawn (2)	C= Clear or Cloudy (1 or 2	1 '
Fixed Object Fotal Crash	Porked	Du≖ Dusk (3)	R= Rain (3) S= Snow or Sleet (4 or 5)	W= Wet (2) S= Snow, ice, Slush (3,4 or 5)
A Injury Crash	Vehicle	Di= Dark, Lighted (4) Do= Dark, Lights Off (5)	F= Fog, Smog, Smoke (6) B= Blowing Sand/Dust (7)	M= Muddy (7) Db= Debris (8)
B Injury Crosh	Rear End Property Damage	D= Dark, Unlighted (6). X≃ Unknown (99)	W= Severe Crosswinds (8) X= Other or Unknown (99)	0= 01ly (9) X= 0ther or Unknown (99)
© C Injury Crash	Right Angle	Othe	er C	
O Property Damage Crash 1	8 Injury	(X)= Number of Vehicles in Crosh (X)	Injury [Dote]—[Time (hrs)]—[Light-Weather-Surface]

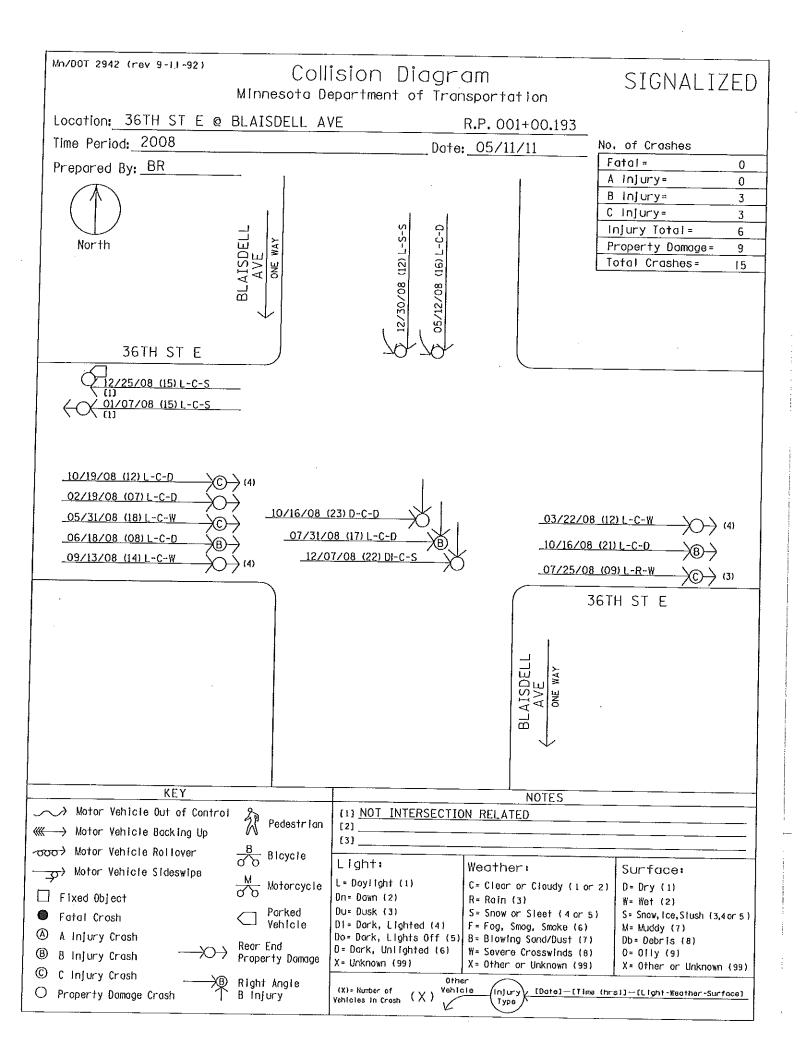
Mn/DDT 2942 (rev 9-11-92) COllision Diagram Minnesota Department of Transportation			S	SIGNALIZED	
Location; 35TH ST E @ 4T	H AVE S	R.P	°. 001+00.198		
Time Period: 2009	., , , , , , _		05/10/11	No. o	f Crashes
Prepared By: BR	•			Fato	
Prepared by: Dit					njury= 0 njury= 0
					1]Ury=
	S				ury Total=
North	AVE				perty Damage= 1 Crashes= 2
·	. 1			1010	2
	4 H				
∕35TH ST E					
ONE WAY)				,
		X 09/15/09 (11) L-C-D			
		O(
•	,				
		\sim 0	5/06/09 (07) L-C-D		
	•	*		-	
					I ST E
	•			0	NE WAY
			S		
			lш		
			X		
			4 11 11		
			4		
·					
KEY			NOTES		
Motor Vehicle Out of Control	Pedestrion	[1]			
₩ Notor Vehicle Backing Up **The Company of the Company of t	• •	[3]			
Motor Vehicle Rollover	B Bicycle	Light:	Weather:		Surface:
Motor Vehicle Sideswipe	Motorcycle	L = Daylight (1)	C= Clear or Cloudy (1 or 2)	D= Dry (1)
☐ Fixed Object	Parked	Dn≏ Down (2) Du= Dusk (3)	R= Rain (3) S= Snow or Sleet (4)	or 5)	W= Wet (2) S= Snow, Ice, Slush (3,4 or 5)
Fatal Crash	Vehicle	DI= Dork, Lighted (4) Do= Dork, Lights Off (5)	F = Fag, Smag, Smake B = Blowing Sand/Dust		M= Muddy (7) Ob= Debris (8)
(A) Injury Crash	Rear End	D= Dork, Unlighted (6)	W= Severe Crosswinds	(8)	0= 011y (9)
® B Injury Crash © C Injury Crash —→®	Property Damage	X= Unknown (99)	X = Other or Unknown	(99)	X= Other or Unknown (99)
O Property Damage Crash	Right Angle B Injury	(X1: Number of Yehl (X) Yehl (X)		(Time (hrs	s)] {L lght -Weather -Surface]
O Troporty bondgo of our		V			

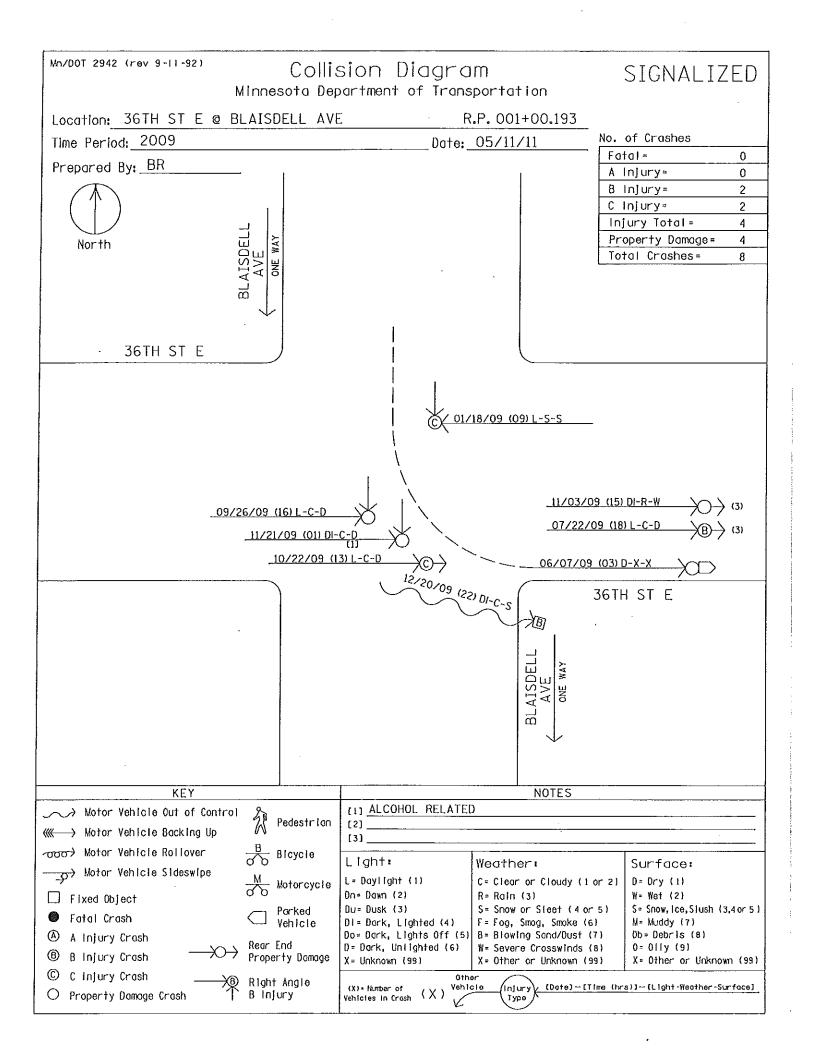
Mn/DOT 2942 (rev 9-(1-92) Collision Diagram Minnesota Department of Transportation				SIGNALIZED
Location: 35TH ST E @ F			R.P. 001+00.325	
Time Period: 2007	ONTEAND AVI	****		No. of Crashes
Prepared By: BR		0016:	03/10/11	Fatal = 0
Tropared by, Six	_		ļ	A injury= 0 B injury= 1
	S			C Injury=
	AVE			Injury Total = 2
North	İ			Property Damage= 2 Total Crashes= 4
	LAN			
	ORTLAND		i	
, 35TH ST E	<u>a</u>			
ONE WAY				
	•		(3) (-()	10/04/07 (19) DI-C-D
			(- (
•		CX 05/03/07 (23) DI	-C-D_	
•		V 07/31/07 (12) L-C-D	_	
	(3)	06/07/07 (02) DI-C-D		
	,			
				S5TH ST E
•	-		ν `	ONE WAY
			AVE	
			PORTLAND	
			JR.	
			م ا	
				1
KEY → Motor Vehicle Out of Control	<u> </u>	[1]	NOTES	
Motor Vehicle Backing Up	₩ Pedestrlan	[2]		
ooo) Motor Vehicle Rollover	B Bicycle	[3]	I	
→ Motor Vehicle Sideswipe		Light: L=Daylight(1)	Weather: C= Clear or Cloudy (1 or	Surfoce: 2)
☐ Fixed Object	Motorcycle	Dn= Dawn (2)	R= Roin (3)	₩= Wet (2)
Fatal Crash	Parked Vehicle	Du= Dusk (3) Dl= Dork, Lighted (4)	S= Snow or Steet (4 or 5 F= Fag, Smog, Smoke (6)	M= Muddy (7)
A Injury CrashB Injury Crash. →>	Rear End Property Domage	D⇒ Dark, Unilghted (6)	B= Blowing Send/Dust (7) W= Severe Crosswinds (8)	0= 011y (9)
© C Injury Crash	TODAY IV HORNOR			
(%)	Right Angle	X= Unknown (99) Othe	X= Other or Unknown (99)	X = Other or Unknown (99)

Mn/DOT 2942 (rev 9-11-92) Collision Diagram Minnesota Department of Transportation			SIG	VALIZED	
Location: 35TH ST E @ PO	RTI AND AVE	s R.I	P. 001+00.325		
Time Period: 2008	1112.11(0 7.10		05/10/11	No. of Cra	shes
		Date:	507 107 11	Fatal=	0
Prepared By: BR	1		1	A Injury:	
	S			B injury: C injury:	
				Injury To	
	AVE			Property	
North				Total Cro	ushes = 4
CONE WAY	PORTLAND				
· .	(6)	<u>√ 01/12/08</u> <u> </u>	05/25/0	(13) L-Ç-D 3 (18) L-C-D	
			PORTLAND AVE S	35TH ST ONE WAY	
KEY	1		NOTES		
Motor Vehicle Out of Control	20	[1]			_
	N Pedestrion	[2]			
Motor Vehicle Rollover	B Bicycle		112 1.1		5000
Motor Vehicle Sideswipe			Weather:	i i	face:
l <u></u>	Motorcycle	L= Daylight (1) Dn= Dawn (2)	C= Clear or Cloudy (1 R= Rain (3)	07 21 U= Uf	•
Fixed Object	Porked	Du= Dusk (3)	S= Snow or Sleet (4 o	r 5) S= Sno	ow, Ice, Slush (3,4 or 5)
Fatal Crash A Intury Crash	Vehicle	DI= Dark, Lighted (4) Do= Dark, Lights Off (5)	F= Fog, Smog, Smoke (B= Blowing Sand/Oust	I	ddy (7) ebris (8)
(A) A Injury Crash (B) B Injury Crash → → → →	Rear End Property Damage	D= Dark, Unilighted (6)	W= Severe Crosswinds X= Other or Unknown ((8) 0= 01	ly (9) her or Unknown (99)
© C Injury Crosh		X = Unknown (99)	er (
O Property Damage Crash	Right Angle B injury	(X)= Number of (X) Vehicles in Crosh (X)		ĭime (hrs)]⊷[L	ight-Keather-Surface]

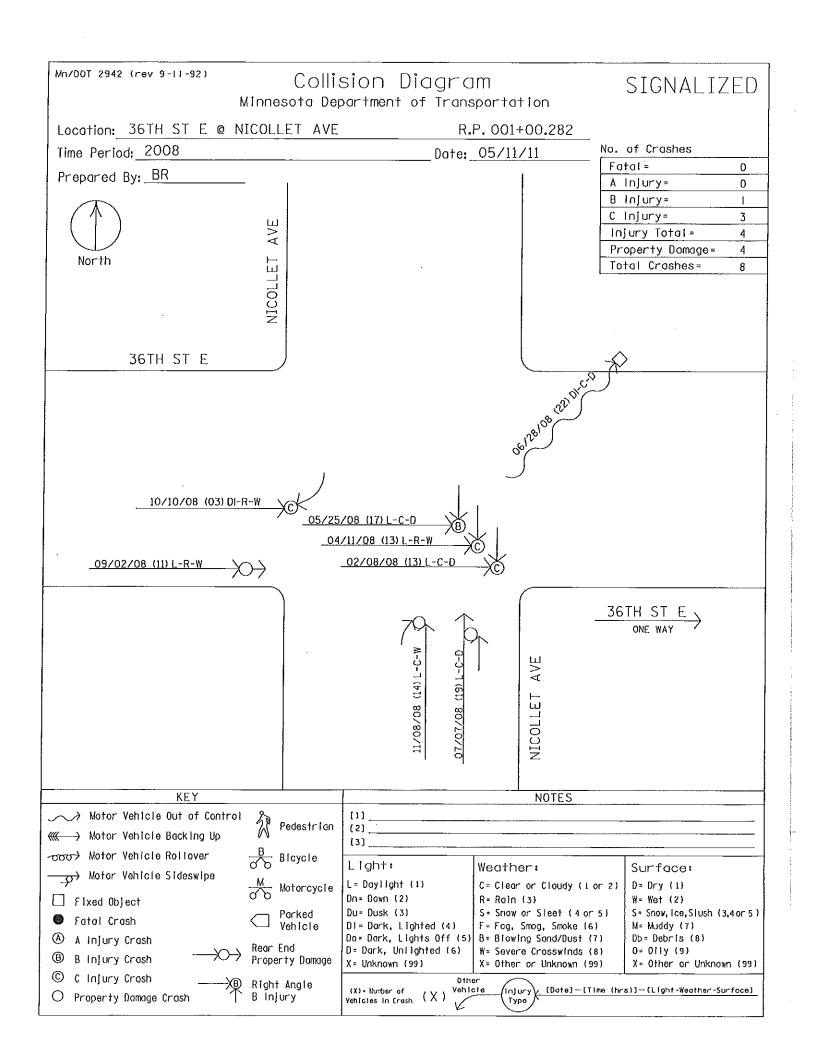
Mn/DOT 2942 (rev 9-11-92)		sion Diagro		SIGNALIZED
Location: 35TH ST E @ Po				
Time Period: 2009	URILAND AVE		R.P. 001+00.325	No. of Crashes
Prepared By: BR		лате:	05/10/11	Fatal = 0
Thepored by: 5th	·]		1	A Injury= 0 B Injury= 0
	N			B Injury= 0 C Injury= 2
	AVE			Injury Total = 2 Property Damage = 5
North				Property Damage = 5 Total Crashes = 7
	L A			
	PORTLAND			
, 35TH ST E	۵.			
ONE WAY				
			7.0	6/08/09 (14) Dn-C-D
			₹,	87 087 03 (147 b)(1-C-D
		03/11/09 (17) [-	-C-D	`
		X 08/05/09 (07) Dn-		
	. [>	√ 08/28/09 (17) L-C-D		
	18	09/28/09 (12) L-C-D		
	(3) 🚫 01.	/16/09 (22) DI-S-X		
				35TH ST E
	0-C-		S	ONE WAY
	(23) [AVE	
	60/			
	1 1	1	PORTLAND	
			L H	
			<u>a</u>	
KEY	<u></u>	[1]	NOTES	
Motor Vehicle Backing Up	# Pedestrian	[3]		
Motor Vehicle Rallover	B Bicycle	Light:	<u></u>	
A) Motor Vehicle Sideswine	~ ~	L = Daylight (1)	Weather: C= Clear or Cloudy (1 or	Surface: r2) D= Dry (1)
- 11x00 0D]&C1	Motorcycle	Dn= Dawn (2) Du= Dusk (3)	R= Rain (3) S= Snow or Sleet (4 or s	₩= ₩et (2)
Fatal Crash A Injury Crash	Porked Vehicle	Ol= Dark, Lighted (4)	F≃ Fog, Smog, Smoke (6)	M= Muddy (7)
(A) A Injury Crash (B) B Injury Crash	Rear End Property Damage	Do= Dark, Lights Off (5) D= Dark, Unlighted (6) Y= Wakeser (88)	B= Blowing Sand/Dust (7 W= Severe Crosswinds (8) 0= 011y (9)
(C) C tolury Crosh	Right Angle	X= Unknown (99)		X= Other or Unknown (99)
O Property Damage Crash T	B Injury	Yehloles In Crosh (X)	Type (Date) - (Tim	te (hrs)]—[Light-Weather-Surface]



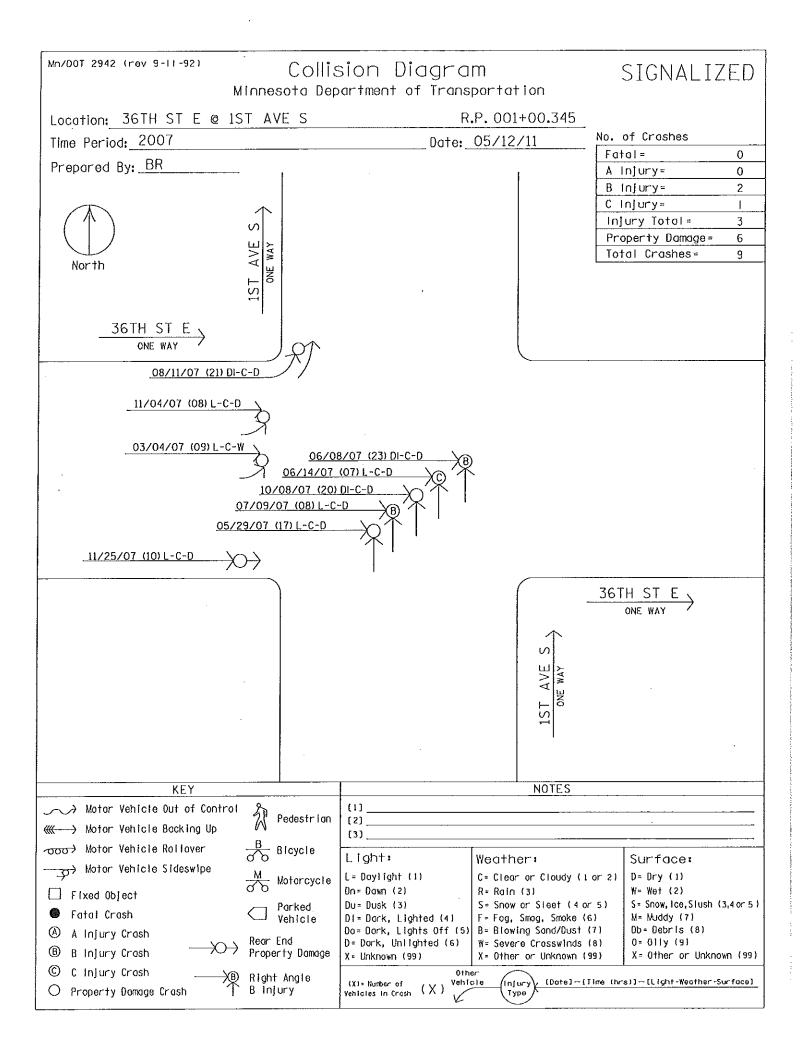




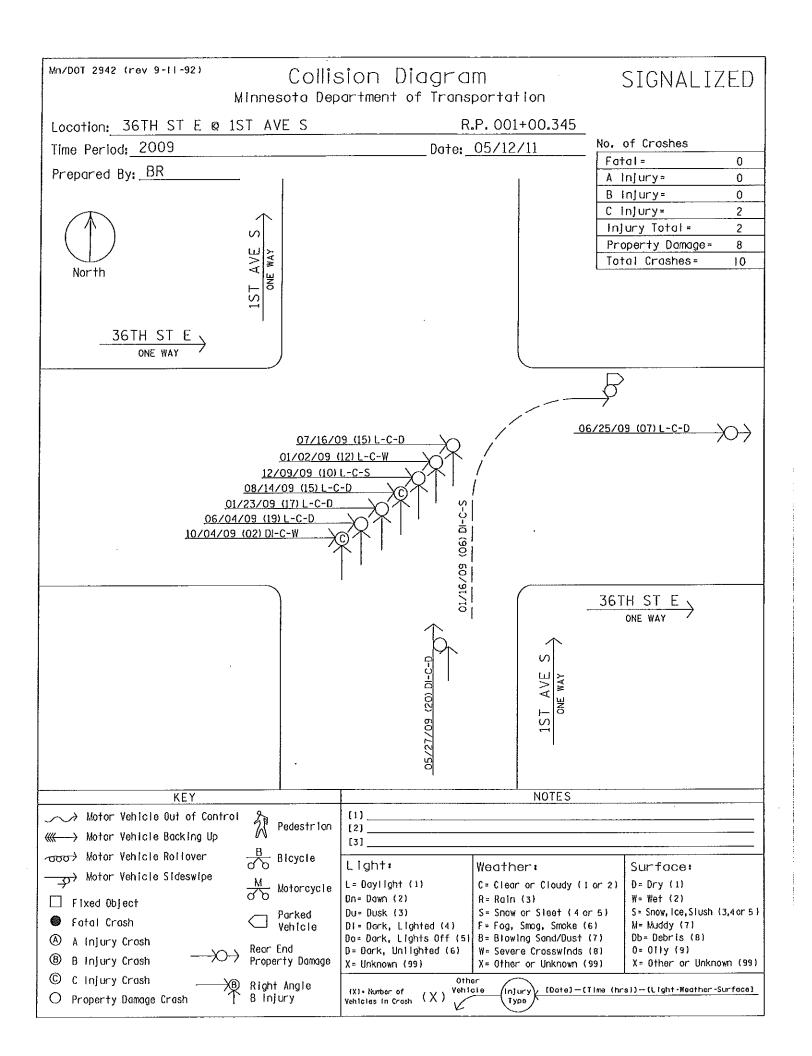
Mn/00T 2942 (rev 9-11-92) Collision Diagram Minnesota Department of Transportation				SIGNALIZED
Location: 36TH ST E @ N	TCOLLET AVE	R.I	P. 001+00.282	
Time Period: 2007			05/11/11	No. of Crashes
Prepared By: BR				Fatal≈ 0
				A Injury= 0 B Injury= 1
	ш			C Injury≕
	A V			Injury Total = 2 Property Damage = 3
North	⊢ .			Total Crashes = 5
	NICOLLET			
	NIC			
••	·			
36TH ST E				
01/26/07 (17) Du-C-D	-	Ĭ		
/	12/29/	07 (20) DI-C-W	1	
		/05/07 (00) DI-C-D		
09/13/07 (08) L-C-D		X)	
09/21/07 (14) L-C-D				
				36TH ST E 、
				ONE WAY
			4.1	
			AVE	
			<u> </u>	
			J.L.E	
			NICOLLET	·
KEY			NOTES	
✓ Motor Vehicle Out of Control	20 0-1 11	(1)		
≪ Notor Vehicle Backing Up	₩ Pedestrian	[2]		
०००) Motor Vehicle Rollover	Blcycle	Light:	Weather:	Surface:
─────────────────────────────────────	Motorcycle	L= Daylight (1)	C= Clear or Cloudy (1	
Fixed Object	✓ Parked	Dn= Oown (2) Du= Ousk (3)	R= Roin (3) S= Snow or Steet (4 or	W= Wet (2) 51
Fatal Crash	Vehicle	DI= Dark, Lighted (4) Do= Dark, Lights Off (5)	F= Fog, Smog, Smoke (6) M= Muddy (7)
(A) A Injury Crash (B) B Injury Crash	Rear End Property Damage	D= Dark, Unlighted (6)	W= Severe Crosswinds (8) 0= 011y (9)
© C Injury Crash	Right Angle	X = Unknown (99)		
O Property Damage Crosh	B Injury	(X)= Number of Vehicles in Crosh (X)	type (Dotel-[1]	lme (hrs)]—[t.tght-Weather-Surface]

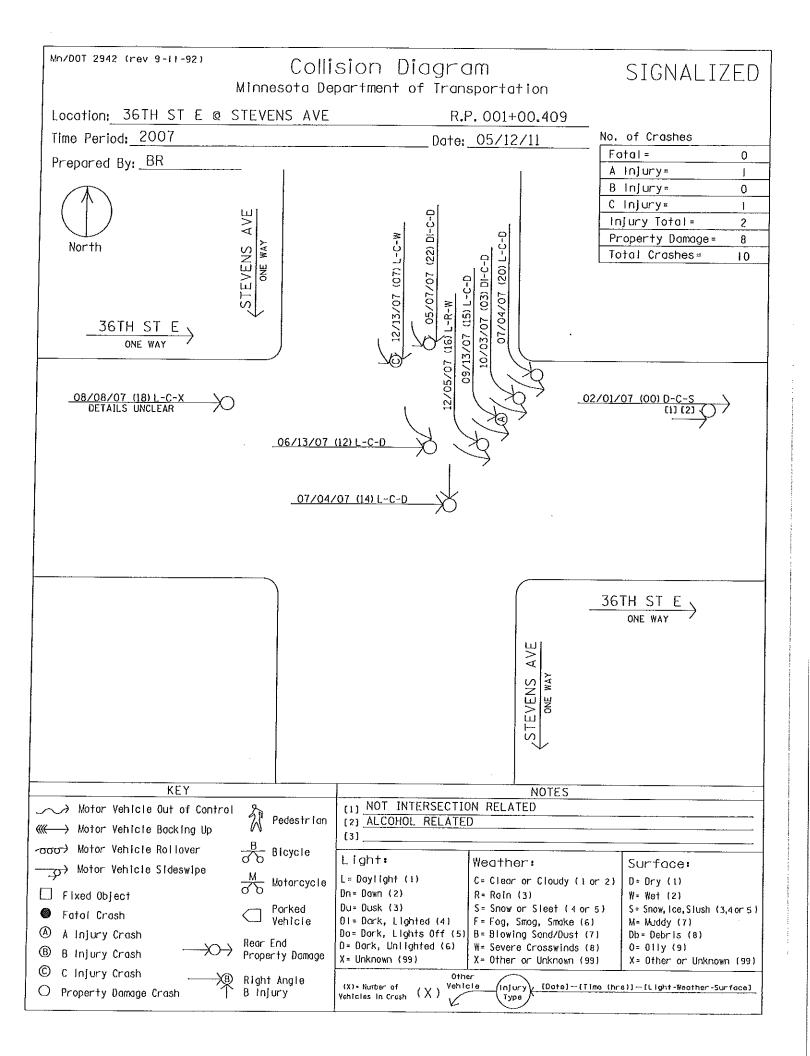


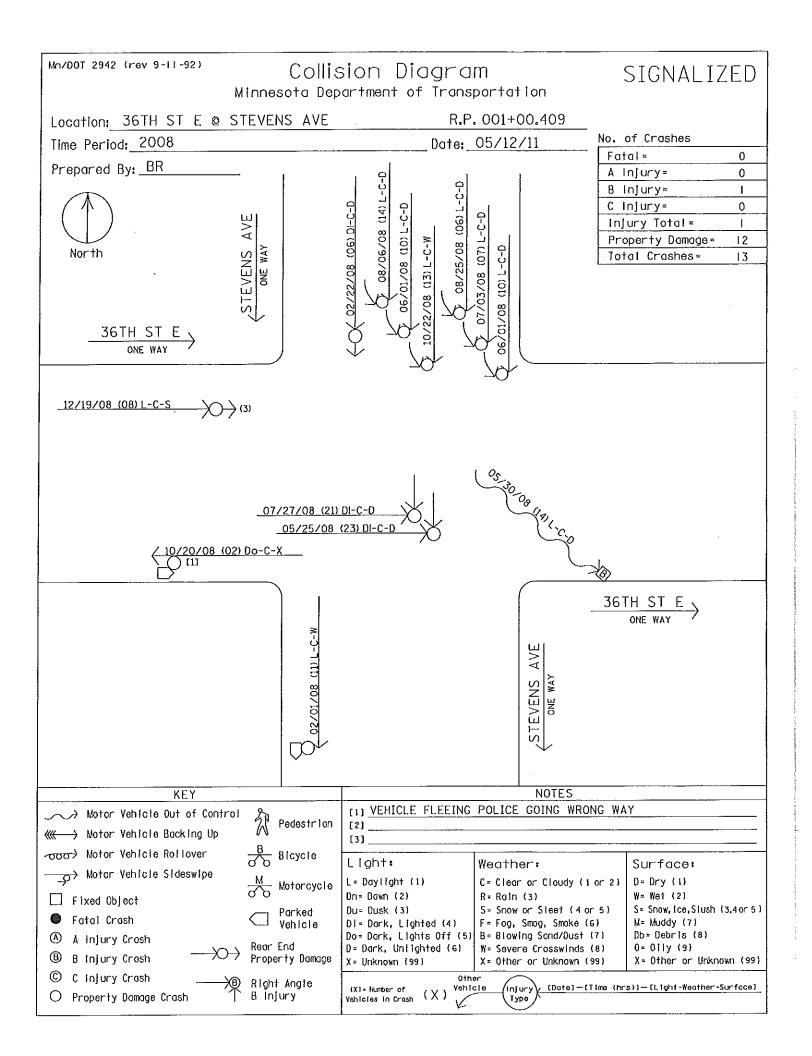
Mn/DOT 2942 (rev 9-11-92)	ision Diagra	om	SIGNALIZED
Minnesota D	SIONALIZED		
Location: 36TH ST E @ NICOLLET AV	E R	P. 001+00.282	
Time Period: 2009	Date:		. of Crashes
Prepared By: BR	1	ı —	atal≈ 0 Injury= 0
		В	injury= 2
A VE	5		injury = 2 njury Total = 4
North 4 0-0-1	7 (60)	F	roperty Damage= 7
1.15 LE	9 (16		otal Croshes=
NICOLLET A	(-10/09/09 (09)L-C		
	3 3 9		
36TH ST E	\(\frac{1}{2} \rightarrow \)		
361H 31 E	03 451-5-D		
	720.		
	760 /		
•	× .		
• •			
12/20/09 (0	√9 . .		
	(00, (44) L-C-D		
04/27/09 (09) L-C-W (5)	/09 (14) L-C-D (30 (20)		
11/13/09 (12) L-C-D (8) (3)	05/30/09	(08) L-C-D	
		3	6TH ST E
		Ì	ONE WAT
		AVE	
,		}	
		<u> </u>	
		NICOLL	
		Z	
KEY		NOTES	
Motor Vehicle Out of Control Pedestrian	[1]		
//// / Motor forticite backing up	[3]		
Motor Vehicle Rollover B Bicycle	Light:	Weather:	Surface
Motor Vehicle Sideswipe Motorcycle	L≃ Daylight (1) Dn= Dawn (2)	C= Clear or Cloudy (1 or 2) R= Rain (3)	
Porked	Du= Dusk (3)	S= Snow or Sleet (4 or 5)	병= Wet (2) S= Snow, Ice, Slush (3,4 or 5)
A Injury Crash	DI= Dark, Lighted (4) Do= Dark, Lights Off (5)	T	M= Muddy (7) Db = Debris (8)
B B Injury Crash Rear End: Property Damage	D= Dark, Unlighted (6) X= Unknown (99)	₩= Severe Crosswinds (8) X= Other or Unknown (99)	0= 011y (9) X= 0ther or Unknown (99)
© C Injury Crash	Oth (X)= Number of / V Vehi		ws)] — [Light-Weather-Surface]
O Property Damage Crash B Injury	Vehicles in Crosh (X)	Турв	

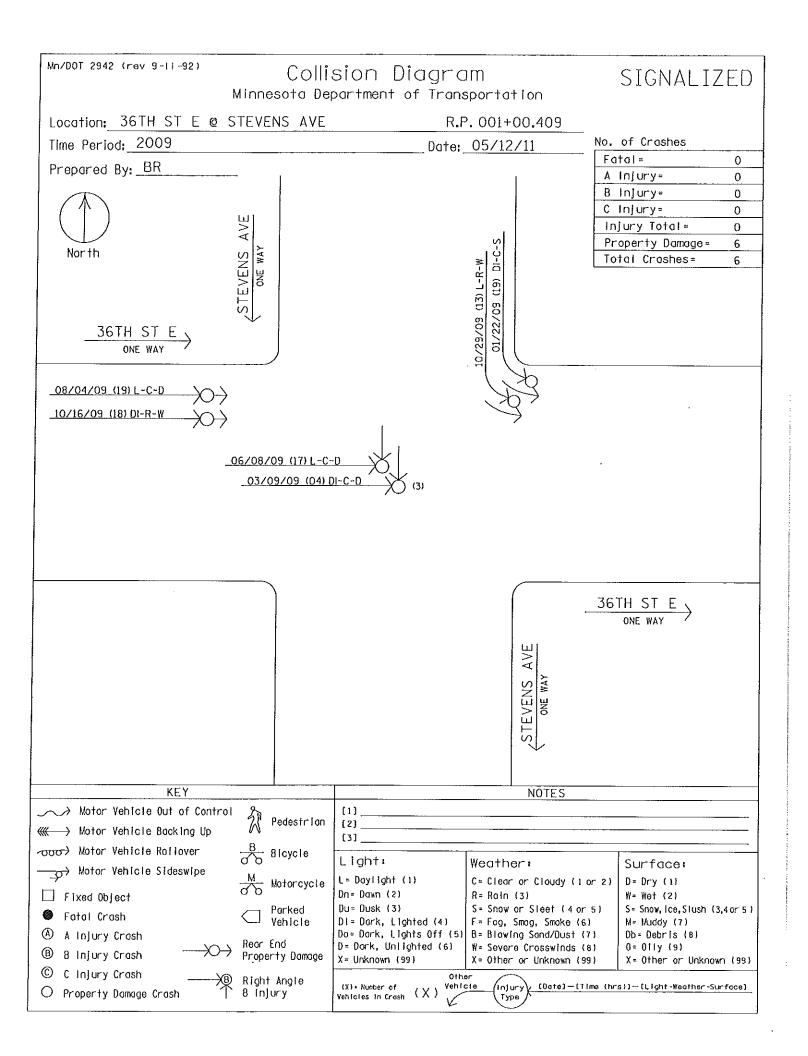


Mn/DOT 2942 (rev 9-11-92)	SIGNALIZ	ΈD		
Location: 36TH ST E @ 1ST AV	E S	R.P. 001+00.345		
Time Period: 2008		Date: 05/12/11	No. of Crashes	
Prepared By: BR			Fotal =	0
North North SYES			A Injury: 8 Injury: C Injury: Injury Total: Property Damage: Total Crashes:	0 1 2 3 3 6
36TH ST E ONE WAY				
06/27/08 (10) L-C-D				
03/0	06/27/08 (09) L-C-D 03/08 (11) L-C-D 0 (17) L-R-W	(3)		The control of the co
	10/28/08 (07) L-C-D	1ST AVE S	36TH ST E ONE WAY	,
KEY		NOTES		
Motor Vehicle Out of Control	edestrian [1]			
/// S words ventere packing up	[3]			
Fixed Object Fatal Crash A Injury Crash B B Injury Crash Rear Er Propert	ptorcycle L= Daylight (1) Dn= Dawn (2) Drked Du= Dusk (3) Di= Dark, Light Do= Dark, Light	R = Rain (3) S = Snow or Steet (4 o F = Fog, Smog, Smoke (B = Blowing Sand/Dust W = Severe Crosswinds X = Other or Unknown (W= Wef (2) S= Snow, ice, Stush (3, (6) M= Muddy (7) (7) Db= Debris (8) (8) 0= Oily (9)	
© C Injury Crash Property Damage Crash B Injur		Other Vehicle (njury) [Dote]-[(Time (hrs))—[Light-Weather-Sur	face]

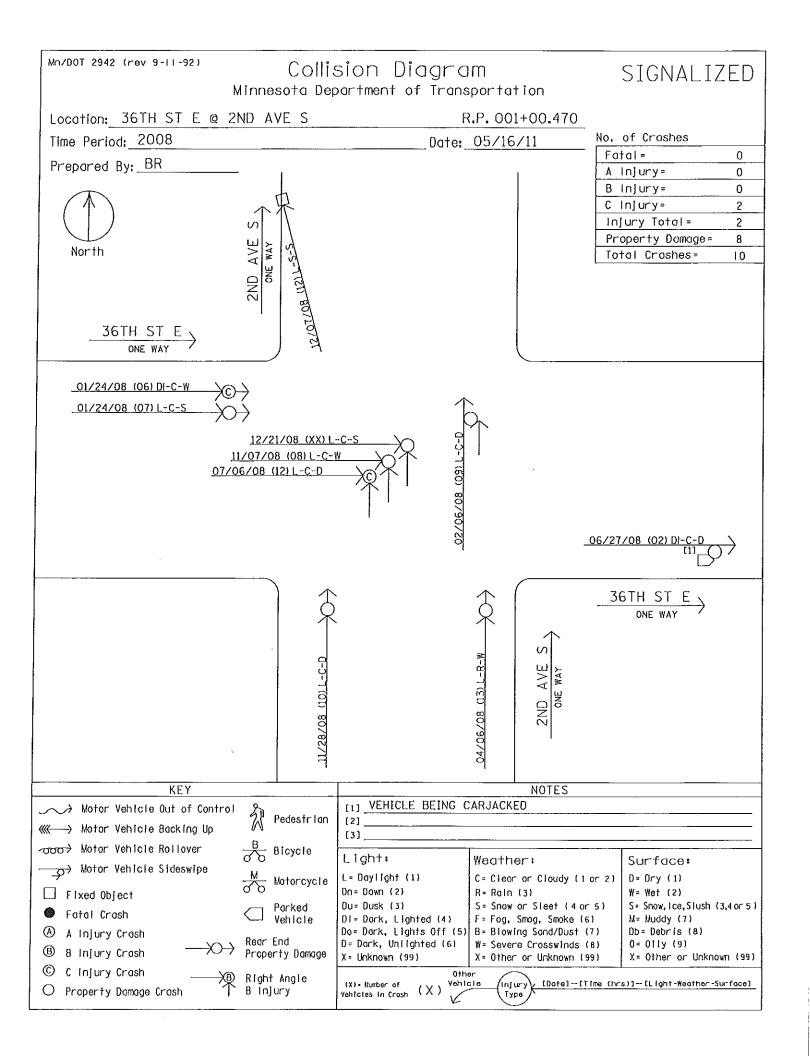


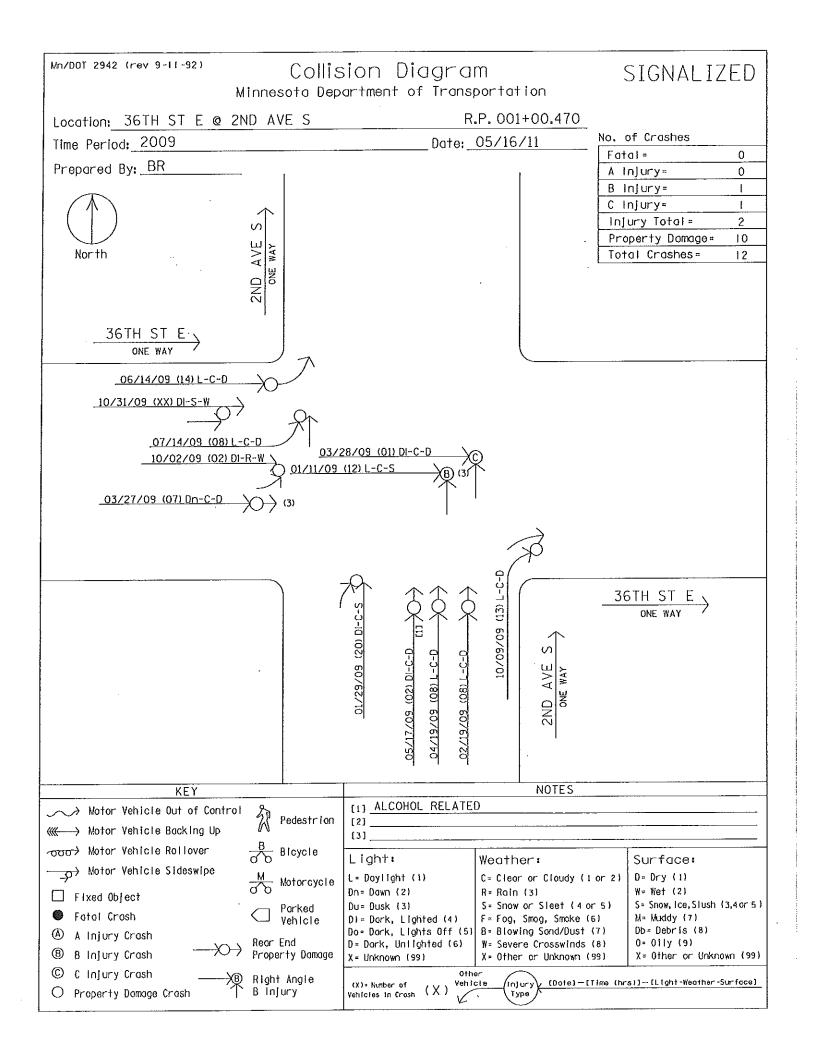






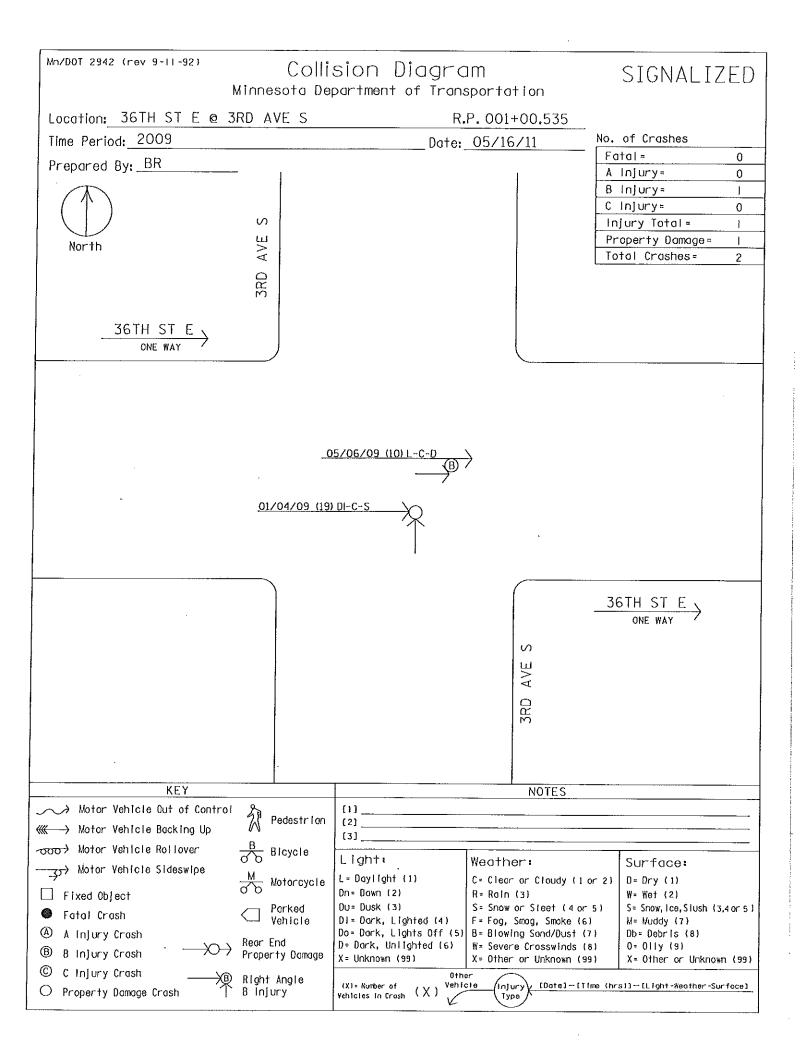
Mn/DOT 2942 (rev 9-11-92) Minnes	Collision Di			SIGNALIZED
Location: 36TH ST E @ 2ND AV		R.P. 001+		
Time Period: 2007	VL 3	Date:05/16/1		of Crashes
Prepared By: BR			Fat	ol= 0
Trepared by:				njury= 0 njury= 0
		\mathcal{R}	CI	njury=
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				ury Total= operty Damage= 9
North D AVE		-C-W		al Crashes = 10
2ND one		7 (60		
2) 203		
36TH ST E		12/08/07 (09) L-C-W		
ONE WAY	121	7		
07/10/07 (13) L-C-D	/ /		•	
02/27/07 (19) DI-C-1 04/14/07 (12) L-C-D	<u>"</u>			
9				
01/18/07 (18) DI-S-W		•		
12/02/07 (18) DI-S-S	Ò			
	1			
)	A -O (36	STH ST E
		9 9		ONE WAY
		5-10	\uparrow	
	W-0-	(21)	W ≻	***************************************
		2/27	D AVE	
	12/08/07 (10) 1	04/05/07	NZ ND ND	
·	.0/80		(V)	
	01/17/07	分		
KEY			NOTES	
A Motor Vehicle Out of Control &	Pedestrian [2] ALCOHOL	RELATED		
William Aguilla Bocking oh	[3]			
- Nator Vahiola Cidaswina	Light:	Weather		Surface:
Motor Vehicle Sideswipe	Motorcycle L= Doylight () Dn= Down (2)	C= Clear or R= Rain (3	r Cloudy (1 or 2)	D= Dry (1) W= Wet (2)
Fixed Object	Porked Du= Dusk (3)	S= Snow or	Sleet (4 or 5)	S= \$now, Ice, \$lush (3,4 or 5)
A Injury Crash Rear E	Vehicle D1= Dark, Ligh Do= Dark, Ligh	nts Off (5) B= Blowing	og, Smoke (6) Sand/Dust (7)	M= Muddy (7) Db = Debris (8)
(B) 8 Injury Crash Proper	ty Damage D= Dork, Uniting X= Unknown (99)		Crosswinds (8) r Unknown (99)	0= 011y (9) X= 0†her or Unknown (99)
© C Injury Crash Right O Property Damage Crash 8 Inju	Angle (X)= Number of	Other Vehicle Injury Type	(Dote)—(Time (hr	s)) (Light-Neather-Surface)
C Troporty boilings order b mile	Yehicles in Crosh	Type	<i>/</i>	

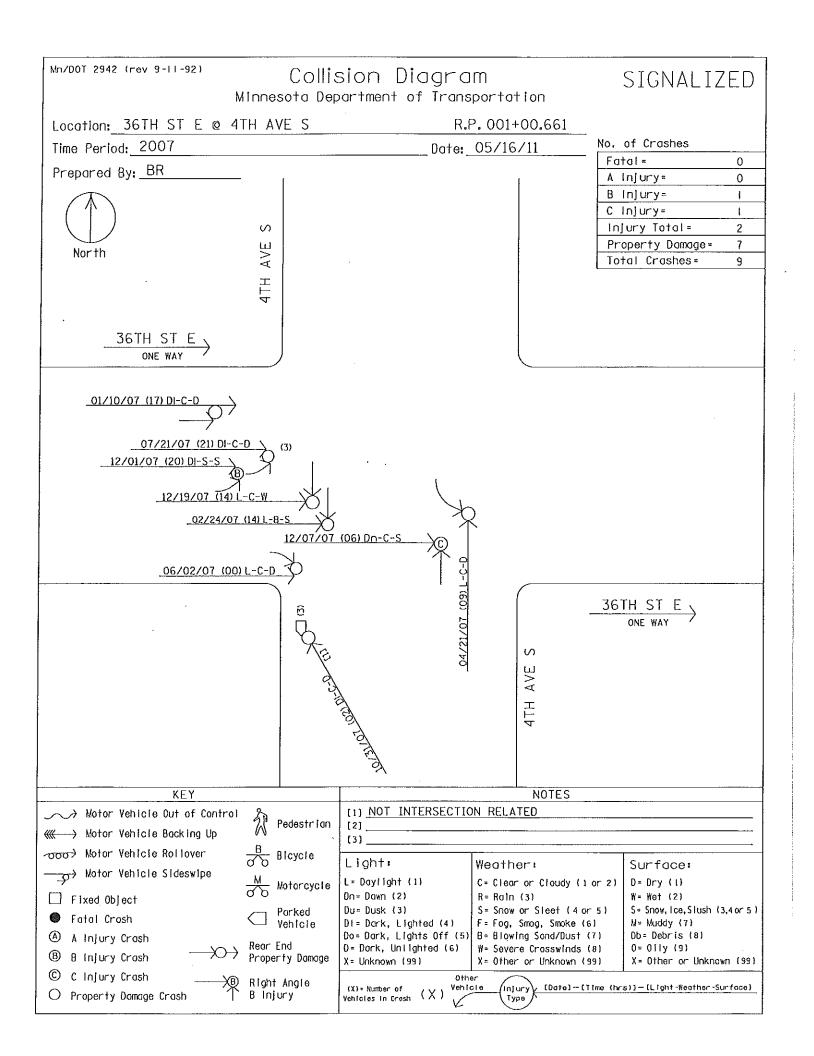




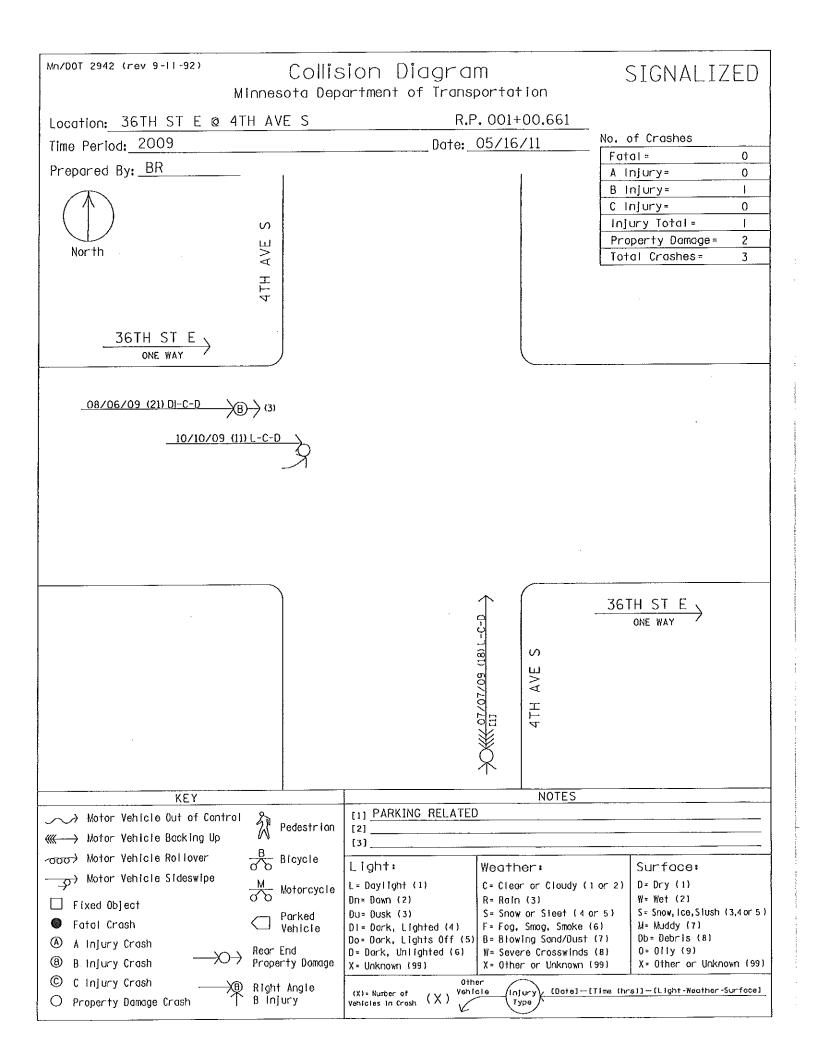
Mn/DOT 2942 (rev 9-11-92)	im sportation	SIGNALIZED		
Location: 36TH ST E @ 31	RD AVE S	R.	P. 001+00 . 535	
Time Period: 2007			*	lo. of Crashes
Prepared By: BR				Fatal = 0
			1	A Injury= 0 B Injury= 1
				C Injury= 0
	<i>∨</i>			Injury Total = Property Domage = 3
North	AVE			Property Damage = 3 Total Crashes = 4
	8			·
	m			
36TH ST E				
OIL HAT				,
12/16/07 (16) X-X-S	j.			
12/22/07 (00) DI-C-S				
\longrightarrow				
09/14/07 (12) L-C-D				
	9			
		06/20/07 (22) DI-S-	-₩	
			B (
				36TH ST E
·				ONE WAT
			\ \sigma \	
			AVE	
			3RD	
			m	
KEY Motor Vehicle Out of Control	<u> </u>	f1]	NOTES	
	₩ Pedestrian	[2]		
1000) Motor Vehicle Rollover	B Bicycle	[3]		
Motor Vehicle Sideswipe		Light: L=Daylight (1)	Weather: C= Clear or Cloudy (1 or	Surface: 2) D= Dry (1)
Fixed Object	Motorcycle	Dn= Down (2)	R= Rain (3)	₩= Wet (2)
Fatal Crash .	Porked Vehicle	Du= Dusk (3) DI= Dark, Lighted (4)	S= Snow or Sleet (4 or 5 F= Fog, Smog, Smoke (6)	M= Muddy (7)
A Injury Crash R Injury Crash	Rear End	Do=Dork, Lights Off (5) D=Dork, Unlighted (6)	W= Severe Crosswinds (8)	Db= Debris (8) O= Oily (9)
(B) B Injury Crosh (C) C Injury Crosh (D)	Property Damage	X = Unknown (99)	X= Other or Unknown (99)	X= Other or Unknown (99)
O Property Damage Crash	Right Angle 8 Injury	Other (X) • Number of (X) Vehic Vehicles in Crosh (X)		(hrs)]—[Light-Weather-Surface]

Mn/DOT 2942 (rev 9-11-92)	COlli Minnesota De	SIGNALIZED		
Location: 36TH ST E @ 3	BRD AVE S	R	.P. 001+00.535	
Time Period: 2008				lo. of Crashes
Prepared By: BR				Fatal = 0
North	3RD AVE S			A Injury= 0 B Injury= 1 C Injury= 0 Injury Total= 1 Property Damage= 1 Total Crashes= 2
36TH ST E				
09/20/08 (15) L-C-D	>			
KEY	02/13/0	8 (23) DI-S-S B	3RD AVE S	36TH ST E ONE WAY
✓ Motor Vehicle Out of Control	۶.	[1]	NOTES	
≪ Motor Vehicle Backing Up	₩ Pedestrian	[2]		
ooo) Motor Vehicle Rollover	Blcycle	Light:	Weather:	Surface:
Motor Vehicle Sideswipe Fixed Object Fatal Crash A Injury Crash B Injury Crash C C Injury Crash	Motorcycle Parked Vehicle Rear End Property Damage	L= Daylight (1) Dn= Dawn (2) Du= Dusk (3) Di= Dark, Lighted (4) Do= Dark, Lights Off (5) D= Dark, Unlighted (6) X= Unknown (99)	C= Clear or Cloudy (1 or R= Rain (3) S= Snow or Sleet (4 or 5) F= Fog, Smag, Smake (6) B= Blowing Sand/Dust (7) W= Severe Crosswinds (8) X= Other or Unknown (99)	2) D= Dry (1) W= Wet (2)
O Property Damage Crash	Right Angle B injury	(X) - Number of Yehlor (X)		(hrs))—(Light-Weather-Surface)





Mn/DOT 2942 (rev 9-11-92) Collision Diagram SIGNALIZED Minnesota Department of Transportation Location: 36TH ST E @ 4TH AVE S R.P. 001+00.661 Time Period: 2008 No. of Crashes Date: 05/16/11 Fatal= 0 Prepared By: BR A Injury= 0 8 Injury= 0 C Injury= 2 S Injury Total= 2 AVE Property Damage = 1 Total Crashes= 3 36TH ST E 01/28/08 (07) L-C-> 11/29/08 (23) DI-S-W 06/17/08 (13) L-C-D 36TH ST E S AVE KEY NOTES → Motor Vehicle Out of Control [1] Pedestrian [2] Motor Vehicle Backing Up [3] ·ooo> Motor Vehicle Rollover Bicycle Light: Weather: Surfacei → Motor Vehicle Sldeswlpe Motorcycle L= Daylight (1) C= Clear or Cloudy (1 or 2) D = Dry (1) Fixed Object Dn= Dawn (2) R = Rain (3) ₩= ₩et (2) Parked Du= Dusk (3) S = Snow or \$leet (4 or 5) S = Snow, Ice, Slush (3,4 or 5) Fatal Crosh Vehicle Dl= Dork, Lighted (4) F = Fog, Smog, Smoke (6) M= Muddy (7) A Injury Crash Do= Dark, Lights Off (5) 8= Blowing Sand/Dust (7) Db = Debris (8) Rear End D= Dork, Unlighted (6) W= Severe Crosswinds (8) 0= 011y (9) B Injury Crash Property Domage X = Unknown (99) X= Other or Unknown (99) X = Other or Unknown (99) C Injury Crash Other Right Angle ln]ury (X) = Number of Vehicle {Date}-[Time (hrs)]-{L.light-Weather-Surface} O Property Domage Crash 8 Injury Vehicles in Crosh (X) Type



Mn/DOT 2942 (rev 9-11-92) Collision Diagram SIGNALIZED Minnesota Department of Transportation Location: 36TH ST E @ PORTLAND AVE S R.P. 001+00.788 Time Period: 2007 No. of Crashes Date: 05/17/11 Fatal = Prepared By: BR A Injury= 0 B Injury= 0 C Injury= 0 Injury Total≃ 0 Property Damage= North Total Crashes= 4 36TH ST E 🔻 05/05/07 (20) L-C-D 36TH ST E PORTLAND AVE KEY NOTES >> Notor Vehicle Out of Control [1] PARKING RELATED Pedestrian [2] Motor Vehicle Backing Up (3) B Bicycle √000> Motor Vehicle Rollover Light: Weather: Surface: → Motor Vehicle Sideswipe L = Doyllight (1) C= Clear or Cloudy (1 or 2) Motorcycle D= Dry (1) Dn= Down (2) R= Rain (3) W= Wet (2) Fixed Object Ou= Ousk (3) Parked S= Snow or Sleet (4 or 5) S= Snow, Ice, Slush (3,4 or 5) Fatal Crash Vehicle DI = Dork, Lighted (4) F = Fog, Smog, Smoke (6) M= Muddy (7) Do= Dork, Lights Off (5) B≈ Blowing Sand/Dust (7) A Injury Crash Db = Debris (8) Rear End D= Dork, Unlighted (6) W= Severe Crosswinds (8) 0= 0ily (9) 8 Injury Crosh Property Damage X = Unknown (99) X = Other or Unknown (99) X= Other or Unknown (99) © C Injury Crash Right Angle Vehicle [Date]—(Time {hrs}]—(Light-Weather-Surface) (X) = Number of Vehicles in Crash (X) O Property Damage Crash B Injury

Mn/DOT 2942 (rev 9-11-92) Collision Diagram SIGNALIZED Minnesota Department of Transportation Location: 36TH ST E @ PORTLAND AVE S R.P. 001+00.788 No. of Crashes Time Period: 2008 Date: 05/17/11 Fatal = 0 Prepared By: BR A injury= 0 8 Injury= 0 S C injury≖ 0 Injury Total = 0 2 Property Damage= Total Crashes= 2 36TH ST E 01/08/08 (14) L-C-D 11/27/08 (18) DI-C-D 36TH ST E S AVE PORTLAND KEY NOTES → Motor Vehicle Out of Control [1] Pedestrion [2] ₩ → Motor Vehicle Backing Up [3] B Bicycle ~~~> Motor Vehicle Rollover Light: Weather: Surface: _O> Motor Vehicle Sideswipe L = Daylight (1) Motorcycle C= Clear or Cloudy (1 or 2) D= Dry (1) Dn= Dawn (2) R= Roin (3) W= Wet (2) ☐ Fixed Object Du= Dusk (3) Parked S = Snow or Sleet (4 or 5) S= Snow, Ice, Slush (3,4 or 5) Fatal Crash Vehicle DI= Dark, Lighted (4) F = Fag, Smog, Smoke (6) M= Muddy (7) A Injury Crash Da= Dark, Lights Off (5) B = Blowing Sand/Dust (7) Ob = Debris (8) Rear End D= Derk, Unlighted (6) 0= 011y (9) W= Severe Crosswinds (B) B Injury Crash Property Damage X= Unknown (99) X = Other or Unknown (99) X = Other or Unknown (99) © C Injury Crash Other Right Angle Veh1c1e /Injury [Date] — [Time (hrs)] — [Light-Weather-Surface] O Property Damage Crash Vehicles in Crosh (X) B Injury

Mn/DOT 2942 (rev 9-11-92)		sion Diagro	SIGNALIZED	
Location: 36TH ST E @ PC			R.P. 001+00.788	
Time Period: 2009	ONTERNO AVE		05/17/11	No. of Crashes
Prepared By: BR	φ.	0010.		Fatal = 0
			1	A injury= 0 B injury= 1
	ν γ			C Injury= 0
North	AVE		-R-W	Injury Total = 1 Property Damage = 4
NOT THE	ON 0-2-1		38) [-	Total Crashes = 5
	PORTLAND		10/03/09 (08) L-R-W	
	17 1		/03/	
36TH ST E	P06	(10	
UNE WAT		-	70,	
	•			
			-	
	06/19/0	a (11) F-C-D		
	_08/3	23/09 (18) L-C-D	B) (3)	
		^	g, I	
			04/09 (05) DI-C-D	
			(02)	36TH ST E
			S 8	ONE WAY
			04/04 AVE	
			√/ I	
			ORTLAND	
			JRTI	
			<u> G</u>	
KEY Motor Vehicle Out of Control	Q.	[1]	NOTES	
Motor Vehicle Bocking Up	₩ Pedestrian	[2]		
	$\frac{8}{600}$ Bicycle	[3]		
← → Motor Vehicle Sideswipe	M Wotorcycle	Light: L=Daylight (1)	Weather: C= Clear or Cloudy (1)	Surface: or 2) D= Dry (1)
LI Fixed Object	Parked	Dn= Down (2) Du= Dusk (3)	R= Rain (3) S= Snow or Sleet (4 or	₩= Wet (2)
Fatal Crash A Injury Crash	Vehicle	DI= Dark, Lighted (4) Do= Dark, Lights Off (5)	F≃ Fog, Smog, Smoke (6) M= Muddy (7)
B B Injury Crosh	Reor End Property Damage	D= Dork, Unlighted (6) X= Unknown (99)	W= Severe Crosswinds (X= Other or Unknown (9	a) 0= 01ly (9)
© C Injury Crash	Right Angle	0+h	ner	Ime (hrs)]—[Light-%eather-Surface]
O Property Damage Crash T	8 injury	(X) Number of Vehicles in Crash (X)	Type (Dote) - [T	We the SAT - resident substitute and tocal