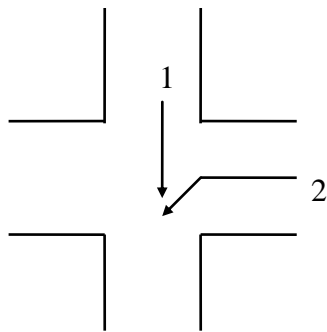


To: Crash Summary User

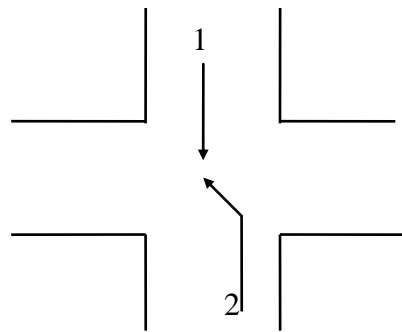
Subject: Alert for Preparing Crash Summaries

In preparing a collision summary for an intersection using the summary sheets there is one particular problem that must be understood to draw the crashes correctly. In many cases the police at the incident site codes the left turn motorist direction as the final direction, not the initial direction. This leads to placing the collision on the wrong approach. For instance, a collision may list driver 1's travel direction (TRVLDIR1) as south and (DRVRDO1) going straight while driver 2 has a travel direction (TRVLDIR2) of west (westbound) and (DRVRDO2) as making a left turn. (Example 1). This is an uncommon crash, particularly at a signalized intersections.

It is more likely that driver 2 was actually a northbound motorist making a left turn to go west. (Example 2).



Example 1
(Suspected Miss-coded Crash)



Example 2
(Actual Collision – if left turn was keyed
as final direction)

Data quality management is very important to ensure the crash investigation produces reliable information for meaningful results. To check the accuracy of the reporting system and verify the assumption regarding incorrect recording of the initial direction as the final direction, a review was conducted. The narrative and picture from the report verify the events of the collision. This check included 340 reports involving left turns at signalized intersections. The crashes involving an opposing left turn and through vehicle which were coded incorrectly accounted for 31% of all left turn crashes. After correcting the suspected direction coding error, reporting errors were minimized. A 94% accuracy rate in reporting crashes using the summary after making the assumption related to miss coded left turn direction.

This brief check demonstrates changing the crash type for this one particular case will yield a high level of accuracy. **Request crash reports** to verify the events for any crash which does not look correct based on the summary information.

CORRESPONDENCE/MEMORANDUM

STATE OF WISCONSIN

Date:

To: Crash Summary User

From:

Subject: Accident Extract Summary Explanation Guide

Enclosed is a collision summary listing for the highway, city, or county you requested. The title heading on each summary sheet indicates the specific data included in the report. A legend is included to explain the abbreviations and data fields used.

This summary provides information for identifying the type and location of crashes. The first step is to identify specific intersections or roadway sections which seem to have a higher number of collisions or several crashes of the same kind. Next, retrieve the accident reports in order to analyze the details of a potential crash problem. The picture and police write-up can give you insight into the collision which may not be evident from the other fields.

Crash Summary Report - Legend

OBS ... *Number of Observations* in the year displayed.

MUNICODE... Municipality code.

RLTNRDWY...Describes location of event in *relation to a roadway*.

OFF = *Off roadway - location unknown* **ON** = *On roadway*

PLOT = *Private lot or private prop*

GORE = *Gore*

LTSH = *Outside should-left*

RAMP = *On ramp*

MED = *Median*

RTSH = *Outside shoulder-right*

SHLD = *Shoulder*

ONHWY/STR ... *the highway (and local street name) where the accident occurred.*

ONHWYDIR ... *On highway direction; if the highway is divided, the side of the highway where the crash occurred will be listed. This will always be the cardinal direction unless the highway is divided.*

RPNMBR... *Reference Point number* the location of accident occurred. (See: STN Roadway log)

RPDIS ...*Reference Point Distance* Distance in hundredths of a mile in the cardinal direction from the RP number listed.

INTDIR ... *Intersection Direction* is the direction from the intersection listed.

INTDIS ... *Intersection Distance* in hundredths of a mile from intersection location listed 1 = approx. 50 feet). If the crash occurred at the intersection, the INTDIR would be blank and INTDIS would be zero.

ATHWY/ATSTR ... *intersecting highway and local street name* where crash occurred.

ACCDLOC ... *accident location* lists if the crash occurred at on intersection or non intersection

I = *Intersection related* **N** = *Non intersection related*

DAYNMBR... *the day of the week* in which the crash occurred.

NTFYHOUR ... *the one hour range when the crash occurred listed in military time.*

ACDDATE ... *the date the crash* occurred.

ALCFLAG ... *alcohol related crash.* **Y** = *one of the drivers had been drinking* **N** = *No has been blanked out*

ROADCOND ... *Road Condition* refers to the pavement surface. If BLANK the road condition is **DRY**

LGTCOND ... *Lighting Condition* at time of crash. If BLANK the light condition is **DAY**.

LIGT = *Nighttime -- street lights*

ACCDSVR ... *Accident Severity* will list the worst level of the crash severity to life and property.

FAT = *Fatal accident* **INJ** = *injury occurred* **PD** = *Property damage only*

TOTINJ ... *Number of persons injured* in the crash.

TOTFATL ... *Total number of fatalities in the crash.*

ACCDTYPE ... *Accident Type* indicates the status of the crash.

ATTEN = <i>Impact attenuator</i>	GR FAC = <i>Guardrail face</i>	OT ANL = <i>Other animal</i>
BIKE = <i>Bicycle</i>	GR END = <i>Guardrail end</i>	OT RDY = <i>Veh trans other rdwy</i>
BRPAR = <i>Bridge parapet</i>	IMMER = <i>Immersion</i>	OT PST = <i>Other post</i>
BRPIER = <i>Bridge/pier/abutment</i>	JKNIF = <i>Jackknife</i>	OVRTRN = <i>Overtaken vehicle</i>
BRRAIL = <i>Bridge rail</i>	LTPOLE = <i>Lum light support</i>	PED = <i>Pedestrian</i>
CULVRT = <i>Culvert</i>	MED B = <i>Median barrier</i>	PKVEH = <i>Parked vehicle</i>
CURB = <i>Curb</i>	MAILBOX = <i>Mailbox</i>	TFSIGN = <i>Traffic sign</i>
DEER = <i>Deer</i>	MVIT* = <i>Vehicle in transit</i>	TF SIG = <i>Traffic signal</i>
DITCH = <i>Ditch</i>	OBNFX = <i>Object not fixed</i>	TRAIN = <i>Train</i>
EMBKMT = <i>Embankment</i>	O SIGN = <i>Overhead sign post</i>	TREE = <i>Tree</i>
FENCE = <i>Fence</i>	OTH FX = <i>Other object fixed</i>	UNKN = <i>Unknown</i>
FIRE = <i>Fire / Explosion</i>	OTH NC = <i>Other non-collision</i>	UT PL = <i>Utility Pole</i>

*MVIT = **Motor Vehicle in Transit involves moving vehicles. This field appears blank**

MNRCOLL ... *Manner of Collision*

ANGL = <i>Angle</i>	RTR = <i>Rear to rear</i>
HEAD = <i>Head On Collision</i>	SSO = <i>Sideswipe/Opposite Direction</i>
NO C = <i>No collision with another vehicle</i>	SSS = <i>Sideswipe/Same Direction</i>
REAR = <i>Rear End</i>	UNKN = <i>Unknown</i>

TOTVEH ... *Number of vehicles* involved in the crash.

ROADHOR ... the *horizontal* road terrain at the point of impact. The options for this field is either *straight or curve*. The field will only be filed in on this summary if *curve C* was indicated.

ROADVERT ... the *vertical* road terrain at the point of impact. The options for this field is either *flat or hill*. The field will only be filed in on this summary if *hill H* was indicated.

The number (1 or 2) following the next three fields indicates the unit number.

TRVLDIR1/2 ... Describes the *drivers vehicle direction* directly before the crash.

DRVRDO1/2 ...What the *driver of unit* was doing at the time of the crash.

BACKING = <i>Backing up</i>	LT TRN = <i>Making left turn</i>	OVT RT = <i>Overtaking on right</i>
BLNK = <i>Blank</i>	MERGING = <i>Merging into traffic</i>	PARKNG = <i>Parking maneuver</i>
CHG LN = <i>Changing lanes</i>	NEGCRV = <i>Negotiating curve</i>	RT TRN = <i>Right turn</i>
GO STR = <i>Going straight</i>	NPASZN = <i>Violate no pass zone</i>	RTOR = <i>Right turn on red</i>
IL PRK = <i>Illegally parked</i>	OTHER = <i>Other</i>	SL/ST = <i>Slowing or stopped</i>
LG PRK = <i>Legally parked</i>	OVT LT = <i>Overtaking on the left</i>	STOPED = <i>Stopped in traffic</i>
		UTURN = <i>U turn</i>

TRFCNTL1/2 ...The *traffic control* for unit

NONE = <i>None</i>	SS FL = <i>Stop sign with flasher</i>	WS = <i>Warning sign</i>
OTHR = <i>Other</i>	TC PR = <i>Traffic control person</i>	WS FL = <i>Warning sign with flasher</i>
RRSIG = <i>RR-xing signal</i>	TS OP = <i>Traffic signal operation</i>	YIELD = <i>Yield sign</i>
SS = <i>Stop sign</i>	TS FL = <i>Traffic signal flashing</i>	

II. **DRVRPC1A, DRVRPC2A** ... Describes the possible *contributing circumstances of a driver* involved in a collision

DC = <i>Driver condition</i>	FVC = <i>Failure to keep vehicle under control</i>	LOC = <i>Left of center</i>
DIS = <i>Physically disabled</i>	IC = <i>In conflict</i>	OTR = <i>Other</i>
DTC = <i>Disgrd traffic cntl</i>	ID = <i>Inattentive driving</i>	SPD = <i>Exceed speed limit</i>
FTC = <i>Following too close</i>	IO = <i>Improper overtake</i>	TFC = <i>Too fast for conditions</i>
FTY = <i>Failure to yield</i>	IT = <i>Improper turn</i>	UB = <i>Unsafe backing</i>

MCFLNMBR ... *Microfilm Number* is needed to get MV4000- *accident report* (Submit in numeric order when ordering reports)

C N Y C O D E	M U N I C O D E	M U N I T Y	R L T N R D W Y	O N H W Y	O N H W Y R P	O N H W Y R P	R P M B R	R P D I S	I N T D I S	A T H W Y	A T S T R	A T N M B R	A C C D L O C	D A Y N M B R	A C C D D A T E	A L C F L A G	R O A D C O N D	W T H R C O N D	L G T C O N D	A C C D S V R	T O T A L	A C C D T Y P E	B I K E F L A G	P E D F L A G	M N R C O L L	T O T V E H	R O A D H O R T	T R A D V L R	D R V R D O 1	T R F C N T L 1	D R V R P C 1 A	P O S T S P D 1	A G E 1	T R V L D I R 2	D R V R D O 2	T R F C N T L 2	D R V R P C 2 A	P O S T S P D 2	A G E 2	A C C D N M B R	M C F L N M B R	C O N S Z O N E					
DUNN	TAINTER	T	BLNK	25	025	N	057	1.37	S	25	750 AVE	N	SAT	19	12/14/2002	BLNK	BLNK	PD	0	0	DEER			BLNK	1	N	BLNK	UNLK	55	42									00021204632	02673570997							
DUNN	TAINTER	T	BLNK	25	025	N	057	1.62	N	0	750 ST	N	SAT	19	11/17/2001	BLNK	BLNK	PD	0	0	DEER			BLNK	1	N	BLNK	UNLK	55	52											00011082499	01693340777					
DUNN	TAINTER	T	BLNK	25	025	N	057	1.65	N	3	750 AVE	N	SAT	18	3/6/2004	BLNK	BLNK	PD	0	0	DEER			NO C	1	S	BLNK	UNLK	55	27												00040300523	04170720095				
DUNN	TAINTER	T	BLNK	25	025	N	059	0.37	S	30 D					11/4/2003	BLNK	BLNK	PD	0	0	DEER			NO C	1	S	BLNK	UNLK	55	68												00031105408	03623280598				
DUNN	TAINTER	T	BLNK	25	025	N	059	0.44	N	0	770 AVE	N	FRI	17	1/13/2006	BLNK	BLNK	PD	0	0	DEER			NO C	1	S	BLNK	UNLK	55	54												00060102398	06000240115				
DUNN	TAINTER	T	BLNK	25	025	N	059	0.44	N	0	770 ST	N	THU	5	11/11/2004	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	42												00041108120	04783290972				
DUNN	TAINTER	T	BLNK	25	025	N	059	0.45	N	1	770 AVE	N	FRI	18	12/23/2005	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	59													00051209710	06000041284			
DUNN	TAINTER	T	BLNK	25	025	N	059	0.57	S	30 D					10/15/2002	BLNK	BLNK	PD	0	0	DEER			NO C	1	S	BLNK	UNLK	55	22													00021005677	02572960595			
DUNN	TAINTER	T	BLNK	25	025	N	059	0.62	S	25 D					4/5/2004	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	17													00040402952	04281710066			
DUNN	TAINTER	T	BLNK	25	025	N	059	0.67	S	20 D					4/21/2003	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	29														00030409957	03231321633		
DUNN	TAINTER	T	BLNK	25	025	N	059	0.77	S	10 D					4/9/2005	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	35														00050401595	05001101095		
DUNN	TAINTER	T	BLNK	25	025	N	059	0.77	S	10 D	NORTH				1/16/2003	BLNK	BLNK	PD	0	0	DEER			BLNK	1	S	BLNK	UNLK	55	43														00030106672	03060340301		
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DUNN	TAINTER	T	BLNK	25	025	N	059	0.86	S	50	810 AVE	N	TUE	18	12/23/2003	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	32														00031214083	04040200213		
DUNN	TAINTER	T	ON	25	025	N	060	0	0	0 D					9/15/2001		CLR	DARK	INJ	2	0				ANGL	2	S	LT TRN	UNK	55	21	N	GO STR	UNK					00000000055	00000000016	00010905409	01562691110					
DUNN	TAINTER	T	ON	25	025	N	060	0	0	0 D					2/7/2003		CLR		INJ	2	0				ANGL	2	W	LT TRN	SS	FTY	55	16	N	GO STR	NONE					00000000055	00000000047	00030202212	03080480650				
DUNN	TAINTER	T	ON	25	025	N	060	0	N	0	0 D				12/6/2004		CLR		INJ	2	0				ANGL	2	W	LT TRN	SS	ID	55	20	N	GO STR	NONE					00000000055	00000000031	00041202073	04833491857				
DUNN	TAINTER	T	RTSH	25	025	N	060	0	0	0 D					7/7/2005		CLR	DARK	INJ	1	0	DITCH			NO C	1	W	GO STR	SS	DC	55	47													00050703797	05002070119	
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DUNN	TAINTER	T	BLNK	25	025	N	060	0.08	N	8 D					3/17/2005	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	39														00050307701	05000940219		
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DUNN	TAINTER	T	BLNK	25	025	N	061	0	N	1	810 AVE	N	WED	17	11/8/2006	BLNK	BLNK	PD	0	0	DEER			NO C	1	S	BLNK	UNLK	55	60														00061104964	06003240807		
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DUNN	TAINTER	T	BLNK	25	025	N	061	0.49	S	50	850 AVE	I	SAT	21	9/20/2003	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	19															00030909139	03522820665	
DUNN	TAINTER	T	BLNK	25	025	N	061	0.49	S	50	850 AVE	N	SAT	17	10/30/2004	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	28															00041011217	04753160429	
DUNN	TAINTER	T	BLNK	25	025	N	061	0.51	N	100 D					1/10/2001	BLNK	BLNK	PD	0	0	DEER			BLNK	1	N	BLNK	UNLK	55	58															00010102504	01060220214	
DUNN	TAINTER	T	BLNK	25	025	N	061	0.51	N	100 D					11/9/2001	BLNK	BLNK	PD	0	0	DEER			BLNK	1	N	BLNK	UNLK	55	51															00011089631	01703381496	
DUNN	TAINTER	T	BLNK	25	025	N	061	0.6	S	50	865 AVE	N	SUN	18	11/7/2004	BLNK	BLNK	PD	0	0	DEER			NO C	1	N	BLNK	UNLK	55	54															00041102055	04763170063	
DUNN	TAINTER	T	BLNK	25	025	N	061	0.69	S	30	850 AVE	N	THU	7	11/4/2004	BLNK	BLNK	PD	0	0	DEER			NO C	1	S	BLNK	UNLK	55	29															00041102066	04753160427	
DUNN	TAINTER	T	BLNK	25	025	N	061	0.79	S	20	850 AVE	N	FRI	1	3/9/2001	BLNK	BLNK	PD	0	0	DEER			BLNK	1	N	BLNK	UNLK	55	22															00010303059	01190820155	
DUNN	TAINTER	T	BLNK	25	025	N	061	0.79	S	20	850 AVE	N	SAT	22	3/10/2001	BLNK	BLNK	PD	0	0	DEER			BLNK	1	N	BLNK	UNLK	55	24															00010303060	01190820157	
DUNN	TAINTER	T	BLNK	25	025	N	061	0.79	S	20	850 AVE	N	SUN	19	12/30/2001	BLNK	BLNK	PD	0	0	DEER			BLNK	1	N	BLNK	UNLK	55	66																	

C	M	M	R	O	O	R	R	I	I	A	A	A	R	W	L	A	T	A	B	P	M	R	R	T	D	D	D	P	T	D	D	P	T	D	P	A	A	M	C	C							
N	U	U	L	N	N	N	N	N	N	T	T	T	T	H	T	C	C	C	I	E	N	T	O	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
Y	N	N	N	H	H	H	H	N	N	H	H	H	H	R	C	O	O	O	K	D	N	O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
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D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D			
E	D	P	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
DUNN	TAINTER	T	RTSH	G						N	SUN	2	8/14/2005		CLR	DARK	INJ	7	0	DITCH			NO C	1	C	S	NEGCRV	WS	TFC	55	29												00050805479	05002440551			
DUNN	TAINTER	T	RTSH	G						N	SAT	14	6/14/2003		CLR		INJ	1	0	DITCH			NO C	1	C	S	NEGCRV	NONE	FVC	77	34														00030608364	03321810534	
DUNN	TAINTER	T	RTSH	G						N	WED	7	1/14/2004		SNOW	SNOW	DARK	PD	0	0	OVRTRN			NO C	1	C	H	W	NEGCRV	NONE	TFC	55	17												00040113893	04100440343	
DUNN	TAINTER	T	LTSH	G						N	FRI	17	6/28/2002		CLR		INJ	1	0	OVRTRN			NO C	1		S	GO STR	NONE	ID	55	68															00020609102	02371892420