

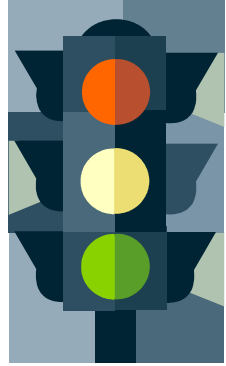


Automated Red Light Camera Enforcement

*Safe***Light**
Dallas Stops on *Red!*



Presented to: Automated Red Light Enforcement Commission
Date: Tuesday, August 27, 2013



PURPOSE

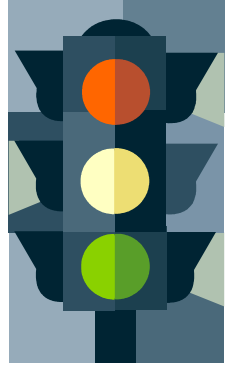
- Safelight Safety Update
 - Crash Data Acquisition for Traffic Safety
 - Red Light Camera Systems Technology
- Performance and Program Update
 - Quarterly Performance Update
 - Public Awareness Update
 - Questions that are typically asked about the Red Light Camera Program.
- Legislative Update



SAFELIGHT SAFETY UPDATE



Kirk Houser, Traffic Engineer, Street Services Department
Charlie Stierhoff, GIS Analyst, Street Services Department

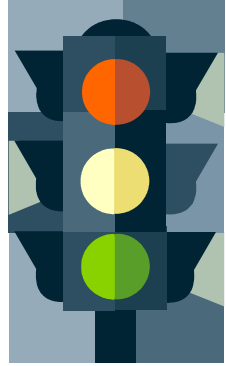


Streets Services Department

Crash Data Acquisition for Traffic Safety

It All Starts Here





Streets Services Department Crash Data Acquisition for Traffic Safety

Accident Information





Streets Services Department Crash Data Acquisition for Traffic Safety



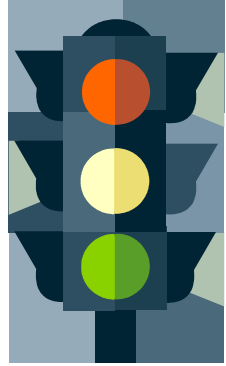
Dallas Police Department

TxDOT CRASH System

Username:

Password:

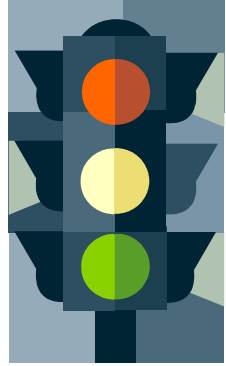
Login



Streets Services Department Crash Data Acquisition for Traffic Safety

Data Input by Mobile Data Terminal

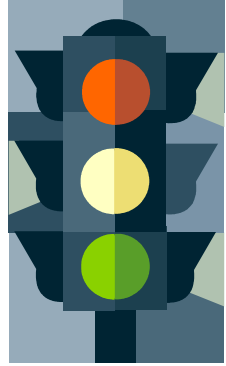




Streets Services Department Crash Data Acquisition for Traffic Safety

Data Input by PC





Streets Services Department

Crash Data Acquisition for Traffic Safety

Texas Peace Officer's Crash Report

Crash Reports consist of 400+ individual fields.

Fields:

- Identification/Location
- Environment/Contributing Factors
- Vehicle/Driver/Persons
- Occupants & Non-Occupants
- Commercial Vehicle

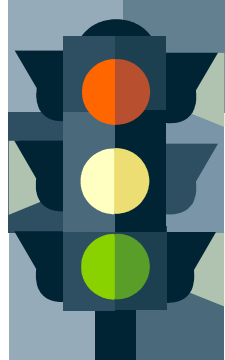


Streets Services Department

Crash Data Acquisition for Traffic Safety

Dallas Crash Records

- 2012 – 23,820
- 2011 – 23,427
- 2010 – 23,721
- 2009 – 23,761
- 2008 – 22,126



Streets Services Department Crash Data Acquisition for Traffic Safety



Welcome charles.stierhoff2@dallastx.cod. (If you are not charles.stierhoff2@dallastx.cod, [click here](#) .)

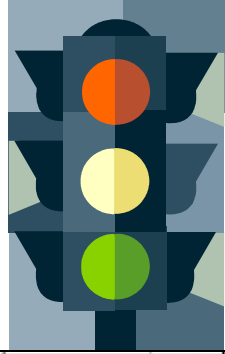


CRIS -TX DOT

Crash Records Information System Reporting for
Department of Public Safety and Texas Department
of Transportation. Duplicate

Server name BIS01

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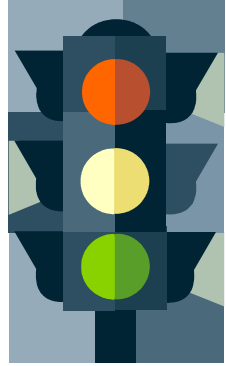


Streets Services Department Crash Data Acquisition for Traffic Safety

SVC#	DAY	DATE	TIME	Light	Weather	SURF	P Blk#	Primary	S Blk#	Secondary	Car	Kill	InC	Non	Pin	Nol	Severity
364387W	Sat	7/18/2009	2200	Dark, Lighted	Clear	Dry	9400	FOREST LN		ABRAMS RD	2	0	0	0	0	5	PDO
236627W	Mon	8/10/2009	1930	Daylight	Clear	Dry	9301	FOREST LN		ABRAMS RD	2	0	0	0	0	2	PDO
238349W	Wed	8/12/2009	1150	Daylight	Clear	Dry	9300	FOREST LN		ABRAMS RD	2	0	0	0	1	1	Possible Injury
243282W	Sun	8/16/2009	1520	Daylight	Clear	Dry	9300	FOREST LN		ABRAMS RD	2	0	0	0	0	2	PDO
248336W	Fri	8/21/2009	615	Dark, Lighted	Rain	Wet	9300	FOREST LN	9800	ABRAMS RD	2	0	0	0	0	2	PDO
249020W	Fri	8/21/2009	1850	Daylight	Clear	Dry	9400	FOREST LN		ABRAMS RD	2	0	0	0	1	2	Possible Injury
271303W	Fri	9/11/2009	1210	Daylight	Cloudy	Dry	9375	FOREST LN		ABRAMS RD	2	0	0	0	0	0	PDO
276092W	Tue	9/15/2009	2109	Dark, Lighted	Cloudy	Dry	9730	ABRAMS RD		FOREST LN	3	0	0	0	0	0	PDO
313516W	Tue	9/15/2009	2109	Dark, Lighted	Cloudy	Dry	9730	ABRAMS RD		FOREST LN	3	0	0	0	0	0	PDO
313517W	Tue	9/15/2009	2109	Dark, Lighted	Cloudy	Dry	9730	ABRAMS RD		FOREST LN	2	0	0	0	0	0	PDO

SVC#	Dist.	FROM X Control	Unit	Dir. 1	Manner of Collision	Factors & Cond 1.1	F & C 1.2	F & C 1.3	Object Struck
364387W	30.00	East	Signal Light	1 West	Front to rear crash				
236627W	1000	West	None	1 West	All Backing	Backed Without Safety			
238349W	100	West	Signal Light	1 East	Front to rear crash	Improper Start From Park Pos			
243282W	40.00	West	Other	1 East	leave lane, trn lft or rt	Failed To Drive In Single Lane			
248336W			Signal Light	1 South	Ran red light or r-turn on red	Other Factor			
249020W	75.00	East	Other	1 South	Ran red light or r-turn on red	Failed To Yield - Private Driv			
271303W	50.00	West	None	1 None	All Backing				
276092W	150	South	None	1 North	UnknownOrHit and Run	Improper Start From Park Pos			
313516W	150	South	None	1 West	UnknownOrHit and Run				
313517W	150	South	None	1 East	UnknownOrHit and Run	Backed Without Safety			

SVC#	Unit	Dir. 2	Manner of Collision	Factors & Cond 2.1	F & C 2.2	F & C 2.3	Object Stru	GIS ID	Ploted	App 1	App 2	At Fault
364387W	2	West	Front to rear crash	Improper Start From Park Pos				9	RE	WB	WB	WB
236627W	2	South	All Backing									
238349W	2	East	Front to rear crash					9	RE	EB	EB	EB
243282W	2	East	leave lane, trn lft or rt					9	SS	EB	EB	EB
248336W	2	West	Ran red light or r-turn on red					9	RA	SB	WB	SB
249020W	2	West	Ran red light or r-turn on red									
271303W	2		All Backing	Other Factor								
276092W	2	West	UnknownOrHit and Run	Backed Without Safety								
313516W	2	West	UnknownOrHit and Run	Backed Without Safety								
313517W	2	None	UnknownOrHit and Run									



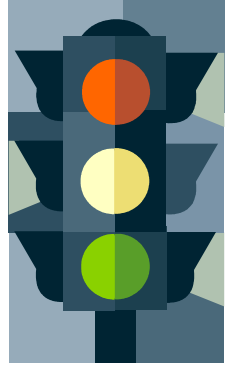
Streets Services Department

Crash Data Acquisition for Traffic Safety

Identify Accident Trends

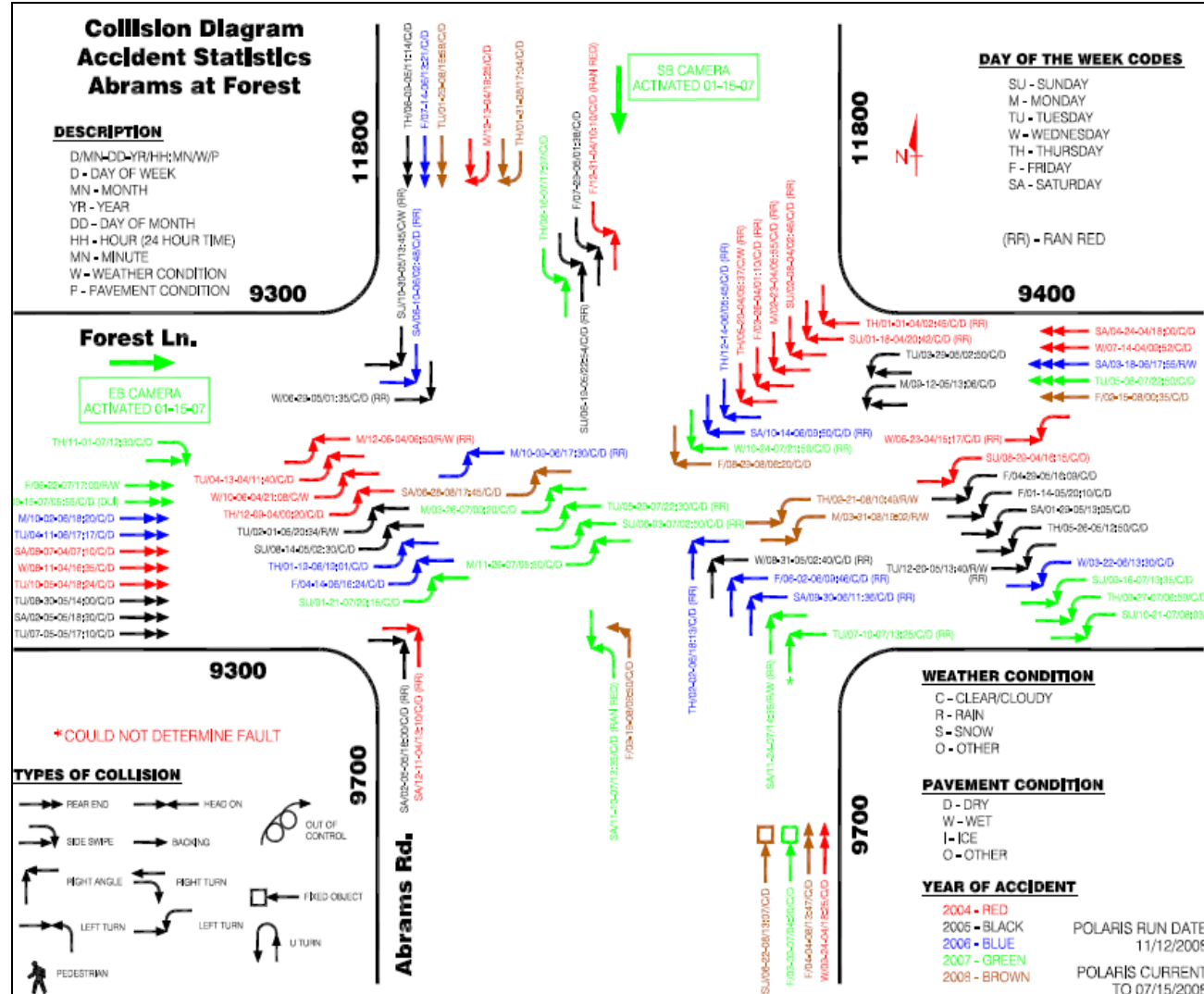
- **Constructed accident diagrams to determine trends:**
 - direction & type of crash (i.e. right-angle, rear-end, left-turn)
 - time of day (corresponding to traffic signal timing plans)
 - day of week or season
 - weather conditions (wet or dry pavement)
 - light conditions (daytime or dark)
 - health, DWI, or drug related
- **Review of hand-written police reports**

Streets Services Department Crash Data Acquisition for Traffic Safety

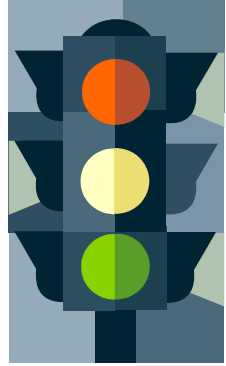


Collision Diagram
Abrams - Forest

Provides a Visual
Representation of
Crash Trends



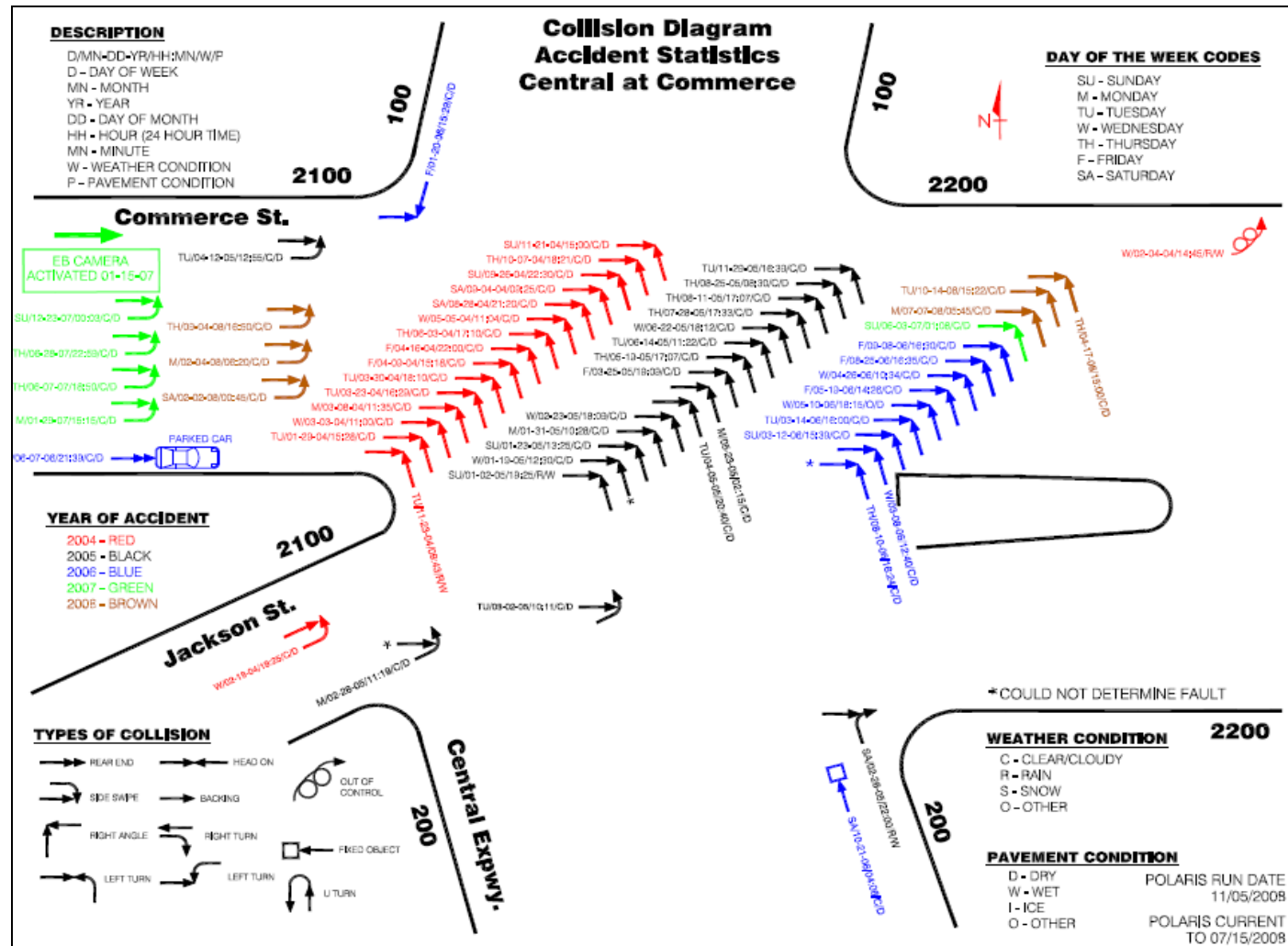
Streets Services Department Crash Data Acquisition for Traffic Safety



3 Years Before
41 Right-Angle
Crashes

Safe-Light
Camera Installed
January 2007

6 Years After
13 Right-Angle
Crashes



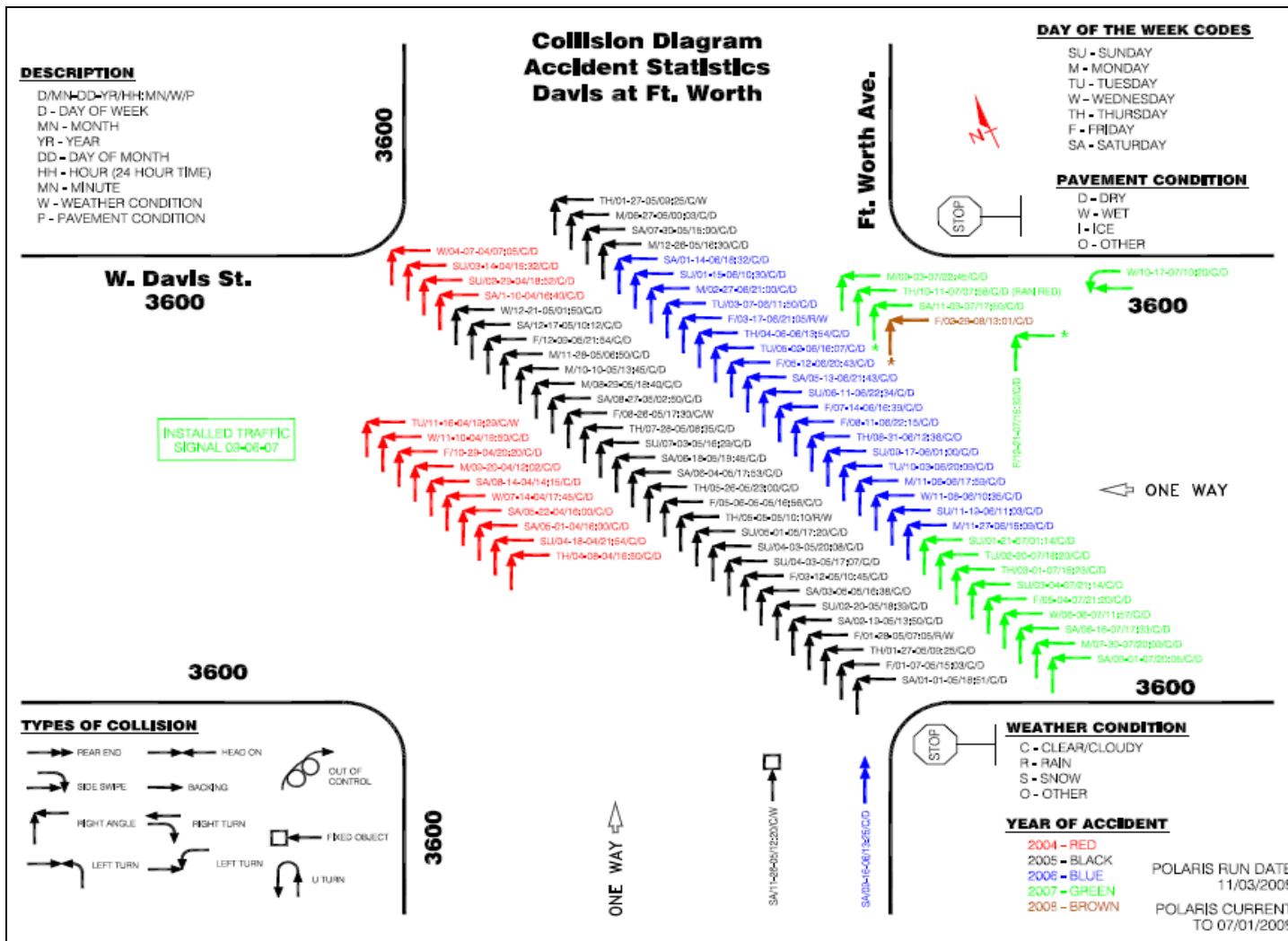


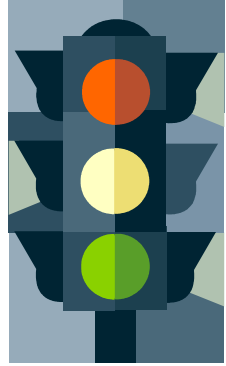
Streets Services Department Crash Data Acquisition for Traffic Safety

4 Years Before
73 Right-Angle
Crashes

Signal Installed
July 2007

5 Years After
6 Right-Angle
Crashes

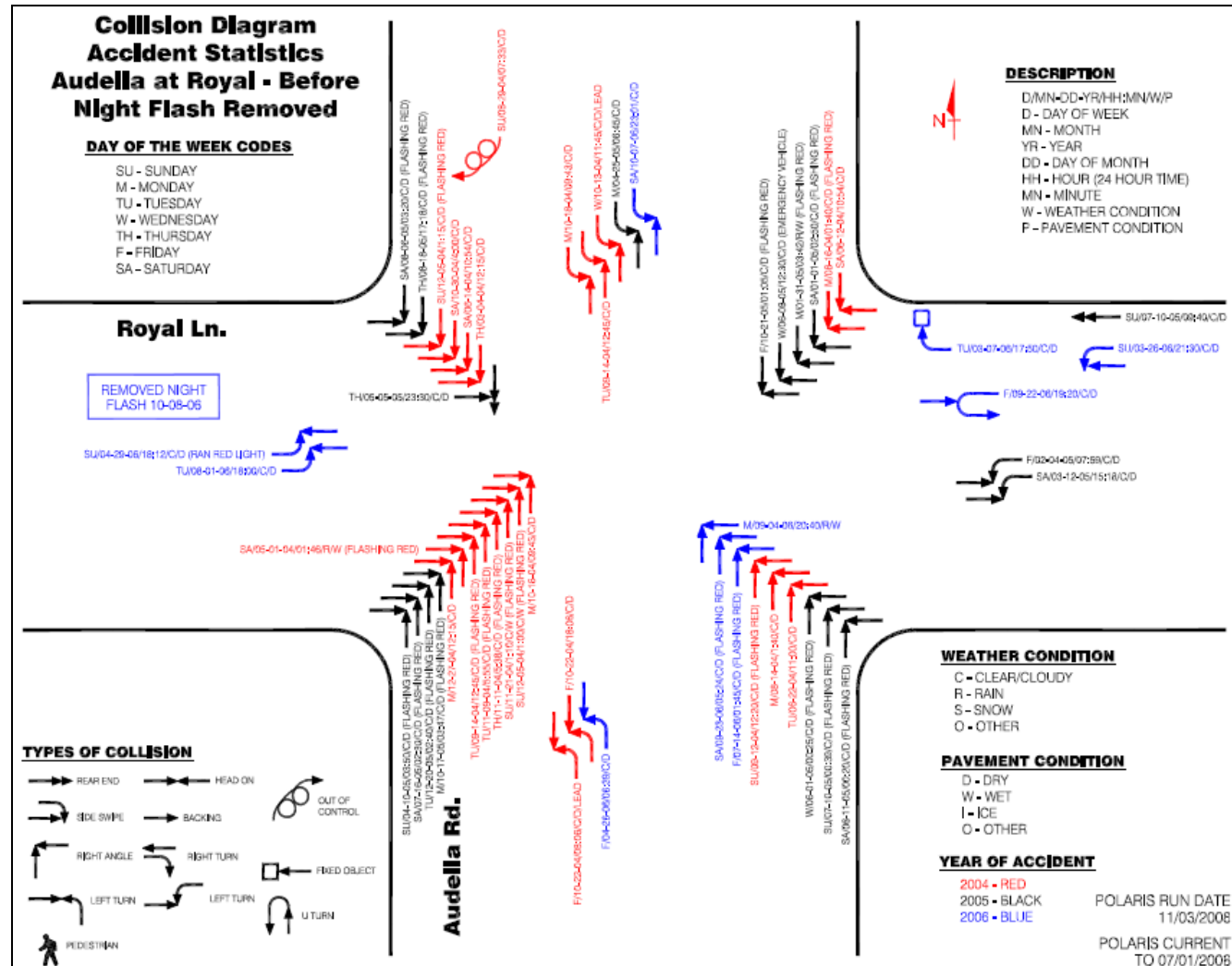




Streets Services Department Crash Data Acquisition for Traffic Safety

3 Years Before
20 Right-Angle
Crashes during
Night Flash

Night Flash
Removed
October 2006

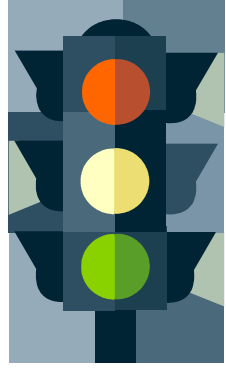




SAFELIGHT SAFETY UPDATE



Linda Ahlenius, Project Manager, Xerox, State & Local Solutions



XEROX

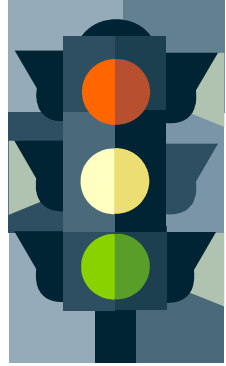
Red Light Camera Systems Technology

MCS (Multi Camera System)

This system uses three camera's mounted inside a single camera housing, with a GBU (ground base unit) off to the side. This type of site uses two types of detection Loops and LTR (Loopless Trigger Radar).

(Below is a loop site.)





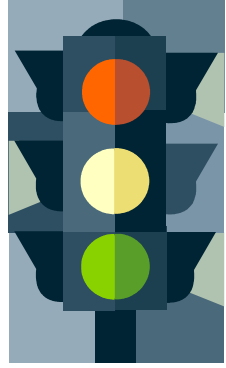
XEROX

Red Light Camera Systems Technology

Gantry (with LTR's)

Only difference between a Gantry and a MCS is the camera's are mounted over the street in three separate camera housings rather than inside a housing like the MCS site's.
Both Loops and LTR's detection systems are used.





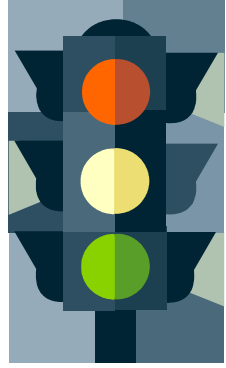
XEROX

Red Light Camera Systems Technology

GTC-D (Gatso Traffic Camera-Digital)

It only uses one camera and can only monitor a maximum of two lanes.
Both Loops and LTR's detection systems are used.





XEROX

Red Light Camera Systems Technology

GS-11

From the outside this system looks exactly the same a GTCD. The GS-11 uses one camera with a much higher resolution giving it the ability to monitor up to four lanes.

Both Loops and LTR's detection systems are used.





XEROX

Red Light Camera Systems Technology

MESA (also known as RLCS1)

This is a single camera system that has a much smaller profile. The camera itself has an extremely high resolution allowing for crystal clear plates even at the largest intersections.

Loops, Laser and Sensys (pucks) detection systems are used.

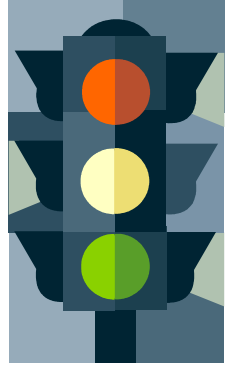




PERFORMANCE & PROGRAM UPDATE



**Mandy Shreve, Third Tier Executive
Dallas Police Department**

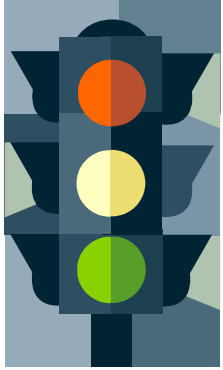


FY 12-13

Quarterly Performance

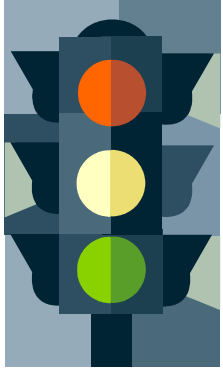
FY 12-13 Citations Issued

	OCT	NOV	DEC	1st Qtr. Total
Citations Issued	12,107	10,843	11,345	34,295
	JAN	FEB	MAR	2nd Qtr. Total
Citations Issued	10,148	10,242	12,453	32,843
	APRIL	MAY	JUNE	3rd Qtr. Total
Citations Issued	12,849	14,133	13,250	40,232
Total YTD				107,370



Public Awareness Campaign FY 12-13

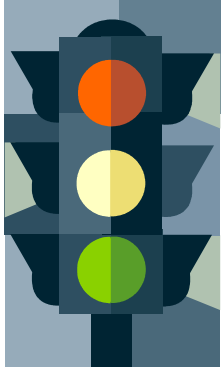
DATE	TIME	DESCRIPTION	LOCATION	GUESTS SPOKEN TO	SPONSORED BY
Thursday Aug. 1, 2013	8am-2pm	Mayor's Back to School Fair	Fair Park	4,000	City of Dallas
Monday-Wed. Aug. 5-7, 2013	8am-2pm	National Stop on Red Week	Dallas Convention Center	3,500	Mary Kay Convention
October 26, 2013	8am-2pm	NW Chief On the Beat	Hillcrest High School		Northwest Patrol



Public Awareness Campaign FY 12-13

MAYOR'S BACK TO SCHOOL FAIR- AUGUST 1, 2013

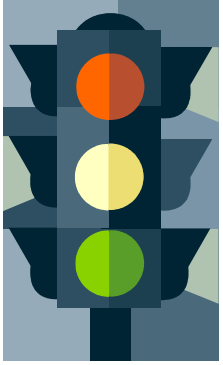




Public Awareness Campaign FY 12-13

NATIONAL STOP ON RED WEEK
MAY KAY CONVENTION- AUGUST 5, 2013- AUGUST 7, 2013





Questions Typically Asked About the Red Light Camera Program

Nationwide media outlets questions that typically arise on red light camera programs. The City has to respond frequently to misconceptions on operations of the camera program:

Question 1: Is the timing of Yellow Light being changed and if its changed is it to generate revenue?

RESPONSE: We do not and have not changed the yellow signal times to coincide with the photo system capture of violations, and revenues are not the author or the purpose of our program.

Question 2: Is the city steadily adding more cameras that can, both physically and legally/financially get you in a jam?

RESPONSE: We currently have 66 cameras and 4 are inactive. No cameras have been added since May 2011.

Question 3: Can outstanding Safelight Tickets be credit marked?

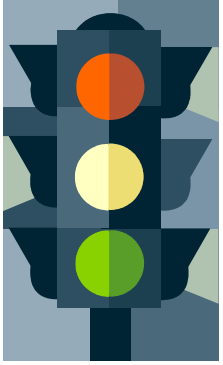
RESPONSE: Violators will receive 5 notices after 5th notice (121st day it will go to collections) and credit score will be impacted.

Question 4: Why is the car owner responsible? If the car owner wasn't in the car?

RESPONSE: By State Law the current registered owner of the vehicle as listed by the Texas Department of Transportation is responsible for the citation issued. The Citation cannot be assigned to anyone else. If before, the 30day time frame the owner can request to contest the citation.

Question 5: If you receive a violation notice and you wish to dispute it?

RESPONSE: There are 2 levels: Adjudication Hearings and Municipal Courts. You can view the actual incident on-line and make your own determination in the series of events prior to the appeal.



Change of Ownership

If citizen states that ownership was transferred and they no longer own the vehicle. They should prepare the following documentation as:

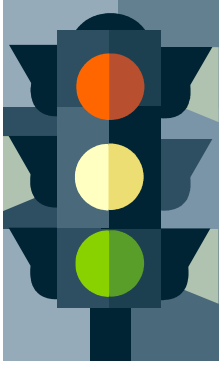
1. Vehicle Title
 2. Registration documentation
 3. Bill and Sale or document of sale
 4. Divorce Decree
 5. Texas Motor Vehicle Transfer Notification (VTR-346) with new owners name and address.
 6. New owners name and address must be provided on the affidavit on the back of their notice and it must be notarized.
 7. Customer should list include mailing address, phone number and citation number in their mail/faxed data.
 8. Customer should send all documentation to Safelight Fax 214-351-2755 or Mail to: City of Dallas /Safelight
P.O. Box 650502
Dallas, TX. 75265-0302
- When documents are received and reviewed a change of ownership transition will be made by updating ownership information to begin the noticing cycle again. Customer can request a title history of the vehicle by filling out TXDOT form 34-F at <http://txdmv.gov/forms-tac>.



LEGISLATIVE UPDATE



**Mandy Shreve, Third Tier Executive
Dallas Police Department**



2013 Proposed Legislation

Related to Red Light Camera Enforcement

- **HB 2420** eliminates civil penalties for turning right at an intersection
- **HB 3025** eliminates the safety camera program
- **HB 3172** requires the fine amount to be posted before the intersection
- **HB 2421** eliminates vehicle registration holds for civil penalties
- **HB 3304** eliminates vehicle registration holds for civil penalties
- **HB 689** requires a photographic traffic signal enforcement system at all railroad crossings
- **SB 335** requires a photographic traffic signal enforcement system at all railroad crossings

Memorandum



Date July 30, 2013
To The Red Light Camera Commission
Subject 83rd Session of the Texas Legislature Update

The 83rd Regular Session of The Texas Legislature ended on May 27, 2013. A total of 1,437 bills were passed and sent to the governor to be signed. During this session, seven bills adversely affecting Red Light Camera programs were introduced. These bills ranged in impact from placing signage at intersections with Red Light Cameras to eliminating the program all together. Thanks to the hard work by the advocates for the Red Light Camera program, none of these bills passed. The following matrix details the seven bills that were defeated.

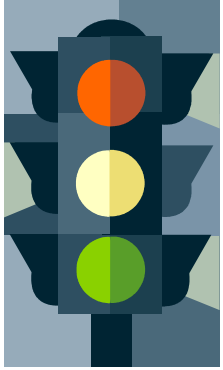
Bill	Description	Final Status
HB 3304 by Geren	Would prohibit Counties from withholding vehicle registration for unpaid Red Light Camera violations.	Died in committee
HB 2420 by Elkins	Prohibits local governments from imposing a civil penalty on the owner of a vehicle that turns right at an intersection.	Died on the House Floor
HB 2421 by Elkins	Would allow individuals delinquent on payment for civil penalties to still obtain their vehicle registration.	Died in Committee
HB 3025 by Zedler	Would have eliminated the Red Light Camera program.	Died in Committee
HB 3172 by Bohac	Would require the fine amount to be posted at all Red Light Camera intersections.	Passed the House, died in the Senate
HB 689 by Marquez	Would give cities permission to install Red Light Cameras at all railroad crossing intersections.	Died in Committee
SB 355 by Rodriguez	Companion to HB 689.	Died in Committee

The Office of Intergovernmental Services will continue to monitor the activities in Austin paying particular attention to bills that could be detrimental to city resources and services. Should you have any questions on the following bills, please feel to contact me via email at brett.wilkinson@dallascityhall.com or by phone at 214-670-5797.

Sincerely,

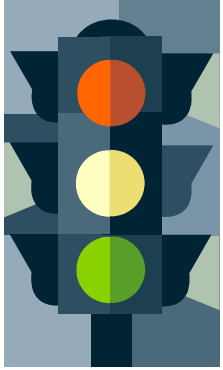
A handwritten signature in black ink, appearing to read 'B. Wilkin'.

Brett Wilkinson
Managing Director
Office of Intergovernmental Services



Appendix A

- 2013 Approved Meeting Dates
- List of ARC Members
- Red Light Camera Map
- Red Light Camera Locations
- Chief on the Beat Calendar



Approved & Confirmed Dates

Meeting time: 9:30 am – 11:30 am

Tuesday, January 22, 2013 - 6ES

Tuesday, April 9, 2012 - 6ES

Tuesday, August 27, 2013 - 5ES

Tuesday, October 8, 2013 - 6ES

Councilmember & Commission Appointee

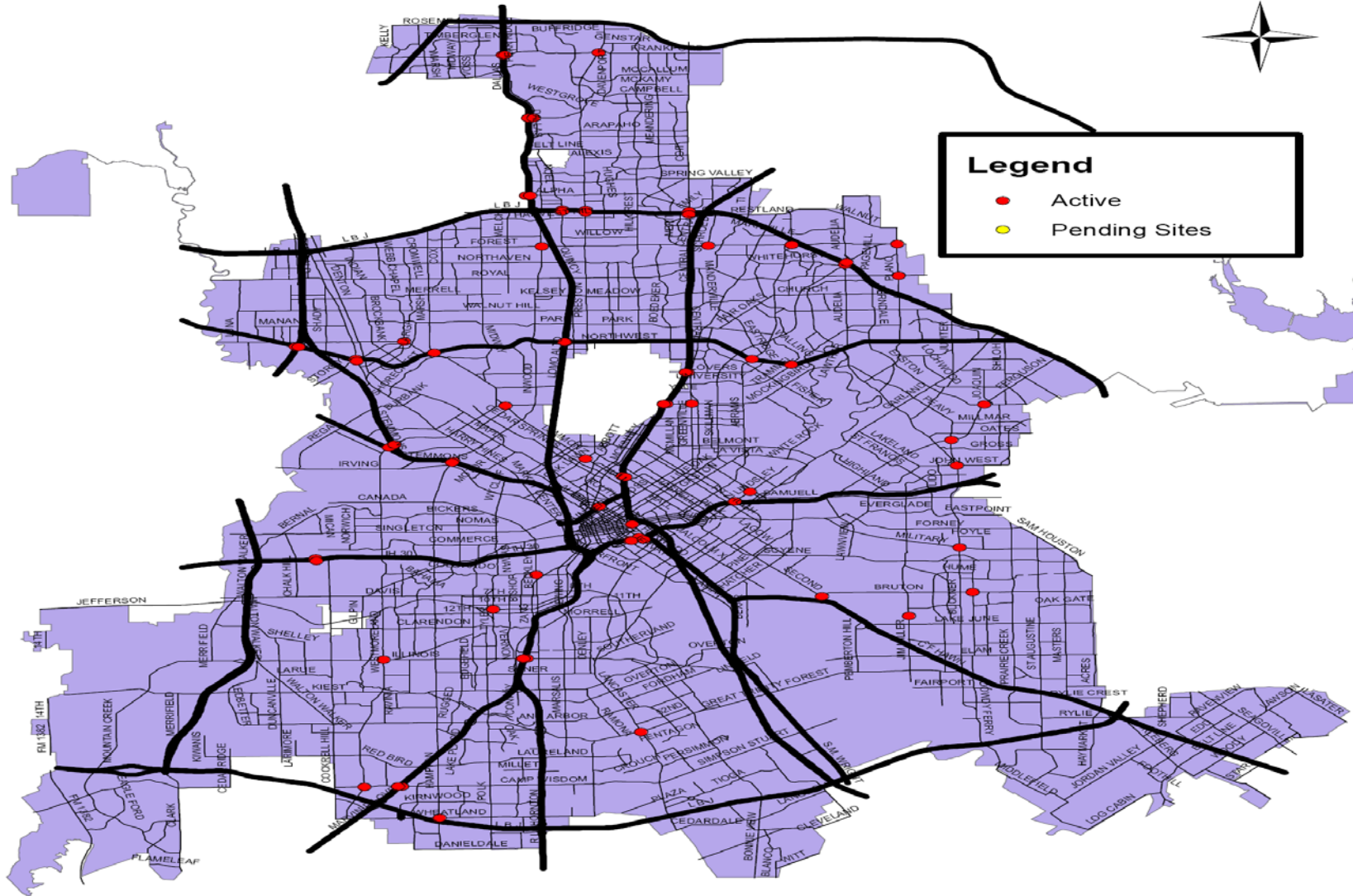
Scott Griggs	Ernest P. Banda
Adam Medrano	Woodrow W. Austin
Vonciel Jones Hill	Vacant
Dwaine R. Caraway	Vacant
Rick Callahan	Vacant
Deputy Mayor Pro-Tem Monica Alonzo	Jessica Sepulveda
Carolyn R. Davis	Vacant
Deputy Mayor Tem Tennell Atkins	Shondra Williams
Sheffield Kadane	Ben Davis, Sr.
Jerry R. Allen	Vacant
Lee L. Kleinman	Glynn Newman
Sandy Greyson	Tarek Radjef
Jennifer S. Gates	Edwin Bright
Phillip Kingston	Vacant
Mayor Mike Rawlings	Raul Magdaleno (Chair)
City Staff	Kirk Houser

Red Light Camera Sites



Legend

- Active
- Pending Sites



Camera Locations 1 of 2

1	S 2nd Ave SB @ Bruton Rd	21	Graham Ave EB @ Lindsley Ave
2	Alpha Rd WB @ Dallas Pkwy	22	Greenville Ave NB @ E Mockingbird Ln
3	N Beckley Ave SB @ W Colorado Blvd	23	Griffin St W WB @ S St Paul St
4	N Buckner Blvd NB @ John West Rd	24	S Hampton Rd SB @ W Wheatland Rd
5	Inwood SB @ Stemmons Fwy	25	Harry Hines Blvd SB @ N NW Hwy
6	W Camp Wisdom Rd WB @ S Westmoreland Rd	26	W Illinois Ave EB @ RL Thornton Fwy
7	N Central Expy NB @ E Lovers Ln	27	W Jefferson Blvd EB @ S Tyler St
8	N Central Expy NB @ Lemmon Ave	28	Keller Springs Rd WB @ Knoll Trail Dr
9	N Central Serv W NB @ E Mockingbird Ln	29	I30 Frontage Rd WB @ S. Cockrell Hill Rd.
10	Coit Rd NB @ Banner Dr	30	Buckner NB @ Military Parkway
11	Commerce St EB @ S Central Expy	31	LBJ Fwy WB @ Preston Rd
12	Dallas Pkwy NB @ Keller Springs Rd	32	Lemmon Ave NB @ Oak Lawn Ave
13	Ferguson Rd EB @ Peavy Rd	33	I30 Frontage Rd EB @ S. Cockrell Hill Rd.
14	Ferguson Rd SB @ Gus Thomasson Rd	34	E Ledbetter Dr EB @ S Lancaster Rd
15	Forest Ln EB @ Abrams Rd	35	E Ledbetter Dr WB @ Lancaster Rd
16	Forest Ln EB @ Plano Rd	36	E Lovers Ln WB @ N Central Expy
17	Forest Ln WB @ Inwood Rd	37	Marvin D Love Fwy NB @ W Camp Wisdom Rd
18	Forest Ln WB @ Schroeder Rd	38	E. Northwest Hwy EB @ Trammel Dr
19	Frankford Rd EB @ Preston Rd	39	Montfort Dr SB @ LBJ Serv N
20	Frankford Rd WB @ Dallas Pkwy	40	E Mockingbird Ln WB @ N Central Serv E

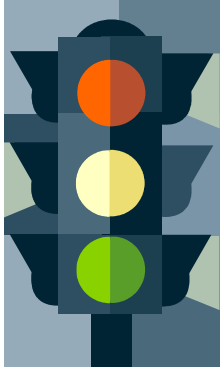
Camera Locations 2 of 2

41	W Mockingbird Ln EB @ John Carpenter Fwy	54	Skillman St SB @ LBJ Fwy
42	W Mockingbird Ln WB @ N Stemmons Serv E	55	Inwood Rd NB @ Stemmons Fwy
43	S Munger Blvd NB @ Lindsley Ave	56	N Walton Walker Blvd SB @ W NW Hwy
44	E NW Hwy WB @ Avenue E / Abrams Rd	57	Webb Chapel Rd SB @ Lombardy Ln
45	N NW Hwy WB @ Dallas North Toll Way	58	S. Westmoreland Rd SB @ Illinois Rd
46	W NW Hwy EB @ Dallas North Tollway	59	Woodall Rodgers Serv S WB @ Olive St
47	W NW Hwy EB @ Marsh Ln / Lemmon Ave	60	Preston SB at Frankford
48	W NW Hwy EB @ N Walton Walker Blvd	61	Preston NB at Frankford
49	W NW Hwy WB @ Marsh Ln / Lemmon Ave	62	Camp Wisdom at Marvin D. Love
50	Preston Rd SB @ LBJ Fwy	63	S Buckner Blvd SB @ Bruton Rd.
51	E R L Thornton Serv N WB @ S Harwood St	64	N Buckner Blvd NB @ Garland Rd
52	E R L Thornton Serv S EB @ S Harwood St	65	Garland Rd EB @ N Buckner Blvd
53	Skillman St NB @ LBJ Fwy	66	Garland Rd WB @ N Buckner Blvd

2013 CHIEF ON THE BEAT-10/70/20 SCHEDULE

Division	Event	Date	Council District	Location	Address
SC	COB	1/26/2013	Atkins #8	Wilmer Hutchins High School	5520 Langdon Rd.
NC	COB	2/9/2013	Greyson #12	Timberglen Recreation Center	3810 Timberglen Rd.
SE	COB	2/23/2013	Davis #7	Lincoln High School	2826 Hatcher St.
NW	COB	3/2/2013	Alonzo #6	Bachman Recreation Center	2750 Bachman Dr.
SW	COB	4/6/2013	Griggs #3	Justin Kimball High School	3606 S. Westmoreland Rd.
NE	COB	4/27/2013	Allen #10	Lake Highlands High School	9449 Church Rd.
SC	COB	5/18/2013	Caraway #4	South Oak Cliff High School	3601 S. Marsalis Ave.
CE	COB	5/25/2013	#14 (Hunt)	North Dallas High School	3120 N. Haskell Rd.
SE	COB	6/8/2013	Hill #5	W.W. Samuell High School	8928 Palisade Dr.
SW	COB	8/24/2013	Griggs #1	Kidd Springs Recreation Center	711 W. Cauty St.
CE	COB	9/7/2013	Medrano #2	Samuel Grand Recreation Center	6200 E. Grand Ave
NW	COB	9/21/2013	Gates #13	Thomas Jefferson High School	4001 Walnut Hill Ln.
NC	COB	10/26/2013	Greyson #11	Hillcrest High School	9924 Hillcrest Rd.
NE	COB	11/16/2013	Kadane #9	Harry Stone Recreation Center	2403 Millmar Dr.

Large COB event (60-70 Vendors)
 Smaller COB event (30-35 Vendors)
 10-70-20 CRP



Appendix B

- Identification Location Form
 - Vehicle, Driver & Persons Form
 - Injuries, Charges & Other Damage Form
 - Factors, Conditions & Environment
 - Narrative & Drawing
- Signal Crash Data



Streets Services Department Crash Data Acquisition for Traffic Safety

Identification & Location

Law Enforcement and TxDOT Use ONLY

FATAL CMV SCHOOL BUS RAILROAD MAB SUPPLEMENT ACTIVE SCHOOL ZONE

Total Num. Units	Total Num. Prsns.	TxDOT Crash ID



Texas Peace Officer's Crash Report (Form CR-3 1/1/2010)

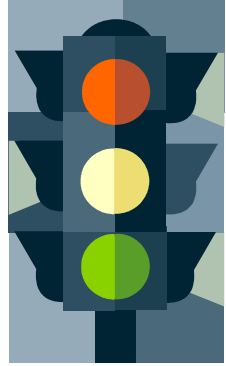
Mail to: Texas Department of Transportation, Crash Records, P.O. Box 149349, Austin, TX 78714. Questions? Call (512) 486-5780

Refer to Attached Code Sheet for Numbered Fields

Page ___ of ___

★=These fields are required on all additional sheets submitted for this crash (ex.: additional vehicles, occupants, injured, etc.).

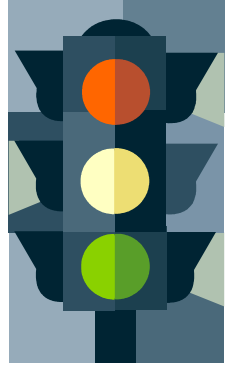
IDENTIFICATION & LOCATION	★Crash Date (MM/DD/YYYY) _____/_____/_____		★Crash Time (24HRMM) _____		Case ID _____		Local Use _____		
	★County Name _____				★City Name _____			<input type="checkbox"/> Outside City Limit	
	In your opinion, did this crash result in at least \$1,000 damage to any one person's property? <input type="checkbox"/> Yes <input type="checkbox"/> No		Latitude (decimal degrees) _____		Longitude (decimal degrees) _____				
	ROAD ON WHICH CRASH OCCURRED								
	★1 Rdwy. Sys. _____		★Hwy. Num. _____		2 Rdwy. Part _____	Block Num. _____	3 Street Prefix _____	★Street Name _____	4 Street Suffix _____
	<input type="checkbox"/> Crash Occurred on a Private Drive or Road/Private Property/Parking Lot		<input type="checkbox"/> Toll Road/Toll Lane		Speed Limit _____	Const. Zone <input type="checkbox"/> Yes <input type="checkbox"/> No	Workers Present <input type="checkbox"/> Yes <input type="checkbox"/> No	Street Desc. _____	
	INTERSECTING ROAD, OR IF CRASH NOT AT INTERSECTION, NEAREST INTERSECTING ROAD OR REFERENCE MARKER								
	At Int. <input type="checkbox"/> Yes <input type="checkbox"/> No	1 Rdwy. Sys. _____	Hwy. Num. _____	2 Rdwy. Part _____	Block Num. _____	3 Street Prefix _____	Street Name _____	4 Street Suffix _____	
	Distance from Int. or Ref. Marker _____		<input type="checkbox"/> FT <input type="checkbox"/> MI	3 Dir. from Int. or Ref. Marker _____		Reference Marker _____	Street Desc. _____	RRX Num. _____	



Streets Services Department Crash Data Acquisition for Traffic Safety

Vehicle, Driver & Persons

Unit Num.	5 Unit Desc.	<input type="checkbox"/> Parked Vehicle	<input type="checkbox"/> Hit and Run	LP State	LP Num.	VIN															
Veh. Year	6 Veh. Color	Veh. Make		Veh. Model		7 Body Style	<input type="checkbox"/> Pol., Fire, EMS on Emergency (Explain in Narrative if checked)														
8 DL/ID Type	DL/ID State	DL/ID Num.	9 DL Class	10 CDL End.	11 DL Rest.	DOB (MM/DD/YYYY)															
Address (Street, City, State, ZIP)																					
VEHICLE, DRIVER, & PERSONS	Person Num.	12 Prsn. Type	13 Seat Position	Name: Last, First, Middle Enter Driver or Primary Person for this Unit on first line				14 Injury Severity	Age	15 Ethnicity	16 Sex	17 Eject	18 Restr.	19 Airbag	20 Helmet	21 Sol.	22 Alc. Spec.	Alc. Result	23 Drug Spec.	24 Drug Result	25 Drug Category
<input type="checkbox"/> Owner	<input type="checkbox"/> Lessee		Owner/Lessee Name & Address		Proof of Fin. Resp. <input type="checkbox"/> Yes <input type="checkbox"/> No		26 Fin. Resp. Type <input type="checkbox"/> Expired <input type="checkbox"/> Exempt		Fin. Resp. Name		Fin. Resp. Num.		27 Vehicle Damage Rating 1		27 Vehicle Damage Rating 2		Vehicle Inventoried <input type="checkbox"/> Yes <input type="checkbox"/> No				
Fin. Resp. Phone Num.			Towed By			Towed To															



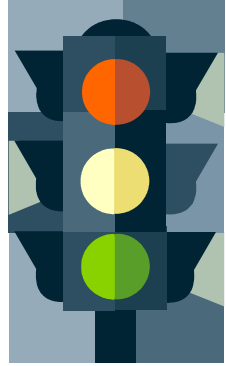
Streets Services Department Crash Data Acquisition for Traffic Safety

Injuries, Charges & Other Damage

DISPOSITION OF INJURED/KILLED	Unit Num.	Prsn. Num.	Taken To	Taken By	Date of Death (MM/DD/YYYY)	Time of Death (24HRMM)	
						<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> : <input type="text"/>
						<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> : <input type="text"/>
						<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> : <input type="text"/>
						<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> : <input type="text"/>
						<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> : <input type="text"/>
						<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/> : <input type="text"/>

CHARGES	Unit Num.	Prsn. Num.	Charge	Citation/Reference Num.

DAMAGE	Damaged Property Other Than Vehicles	Owner's Name	Owner's Address



Streets Services Department Crash Data Acquisition for Traffic Safety

Factors, Conditions & Environment

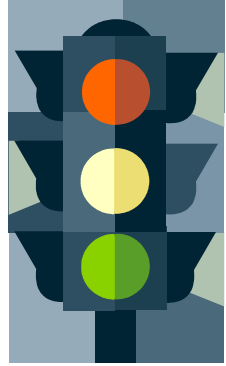
FACTORS & CONDITIONS	36 Contributing Factors (Investigator's Opinion)					37 Vehicle Defects (Investigator's Opinion)					Environmental and Roadway Conditions							
	Unit Num.	Contributing			May Have Contrib.		Contributing			May Have Contrib.		38 Weather Cond.	39 Light Cond.	40 Entering Roads	41 Roadway Type	42 Roadway Alignment	43 Surface Condition	44 Traffic Control



Streets Services Department Crash Data Acquisition for Traffic Safety

Narrative & Drawing

Investigator's Narrative Opinion of What Happened (Attach Additional Sheets If Necessary)	Indicate North	Field Diagram – Not to Scale



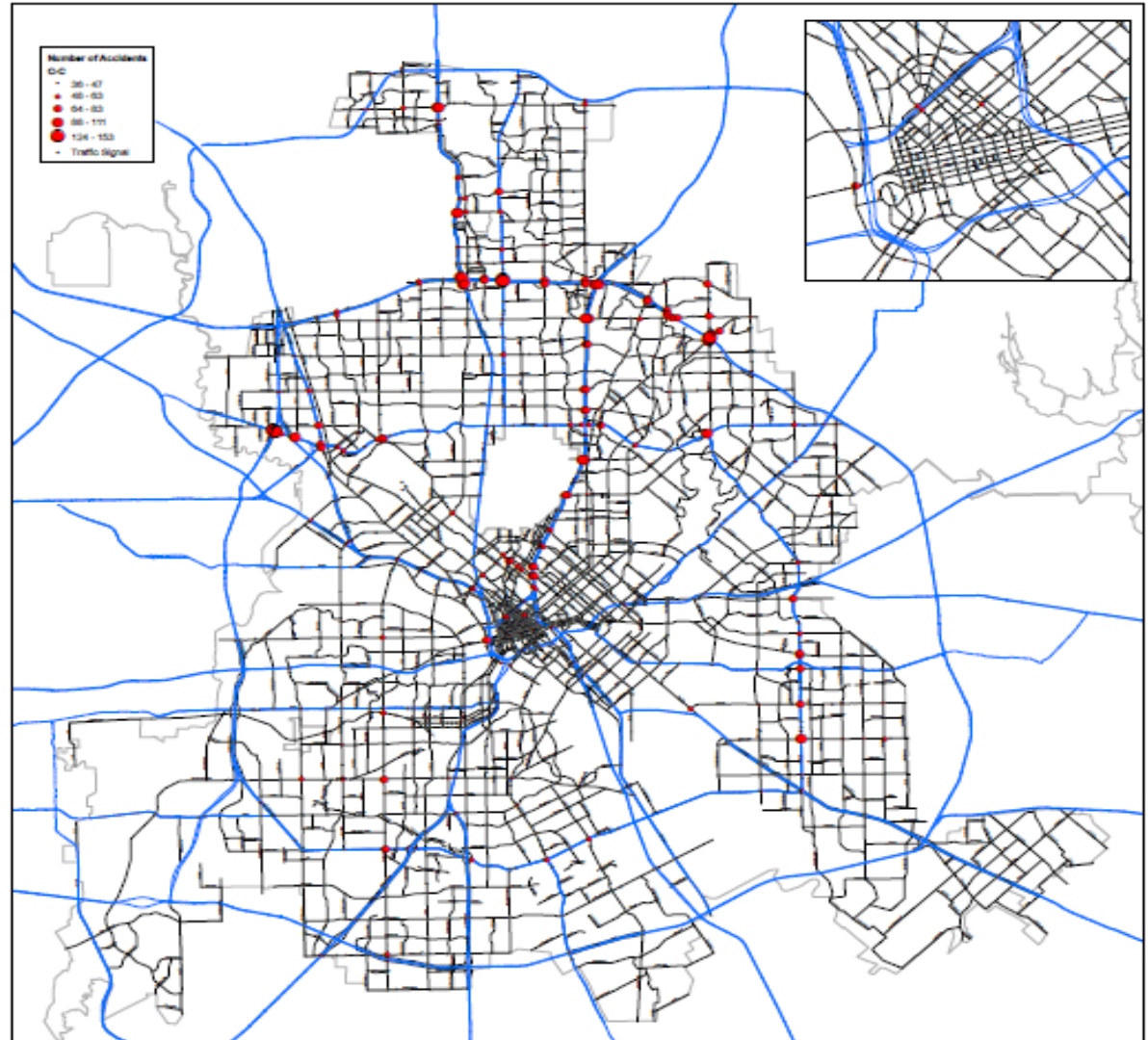
Streets Services Department Crash Data Acquisition for Traffic Safety

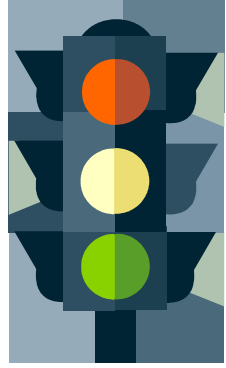
Signal Crashes 2010-2012

Number of Accidents

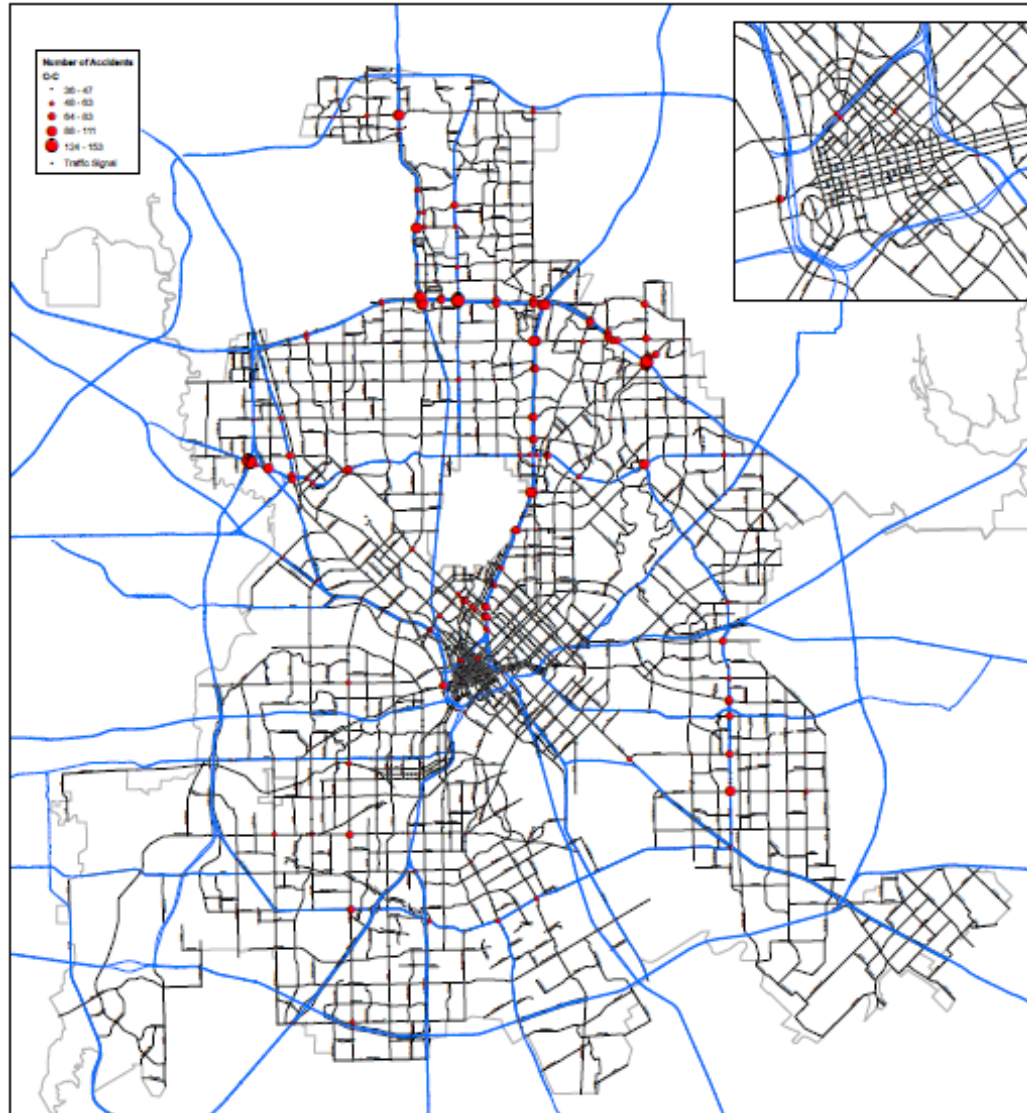
C-C

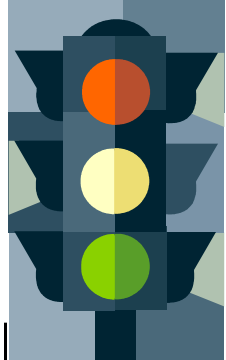
- 36 - 47
- 48 - 63
- 64 - 83
- 88 - 111
- 124 - 153
- Traffic Signal





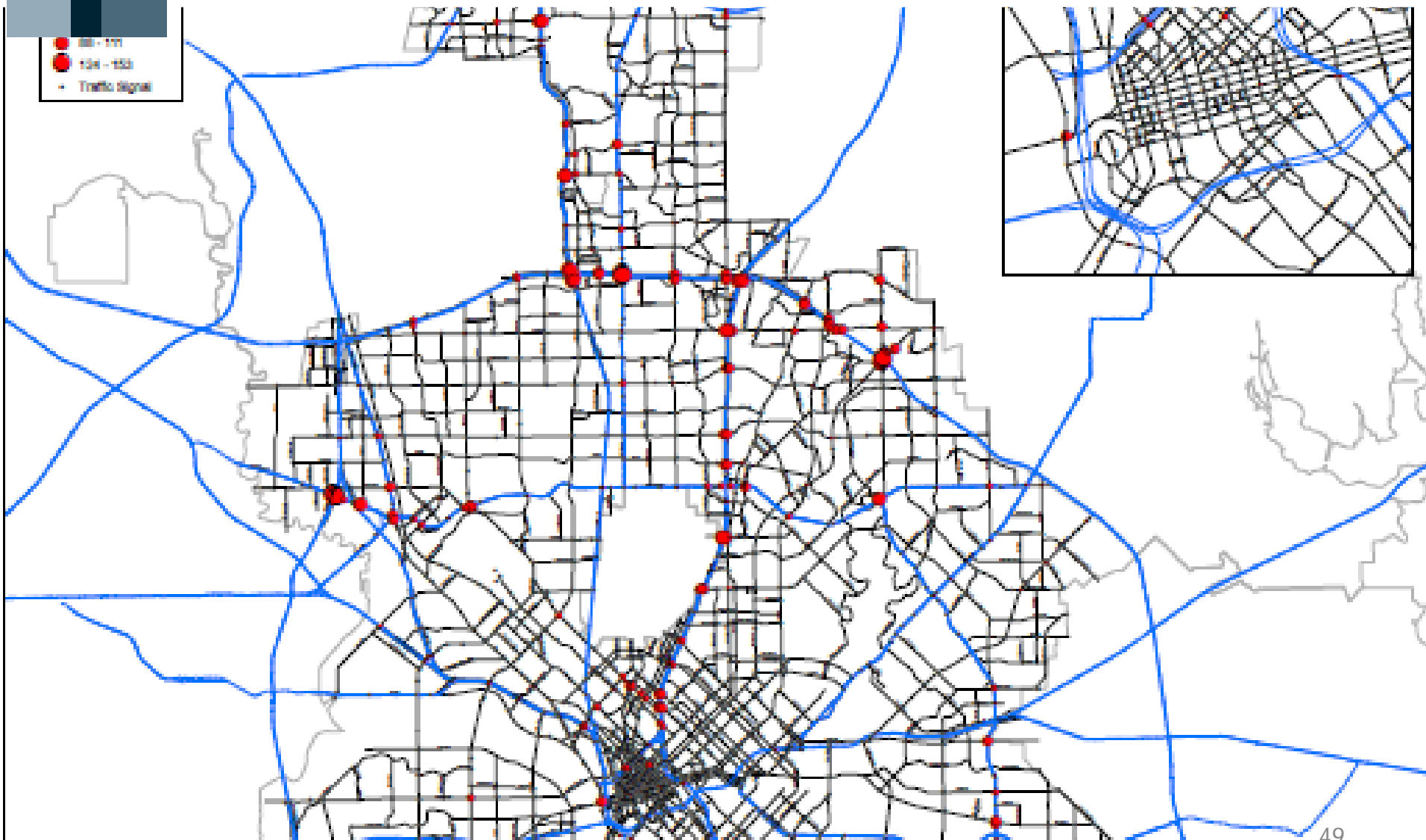
Streets Services Department Crash Data Acquisition for Traffic Safety





Streets Services Department Crash Data Acquisition for Traffic Safety

- 600 - 100
- 100 - 150
- Traffic signal



Streets Services Department Crash Data Acquisition for Traffic Safety

