

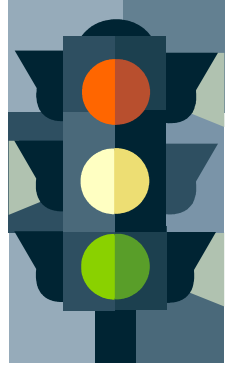


Automated Red Light Camera Enforcement

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



Presented to: Automated Red Light Enforcement Commission
Date: Tuesday, January 21, 2014



PURPOSE

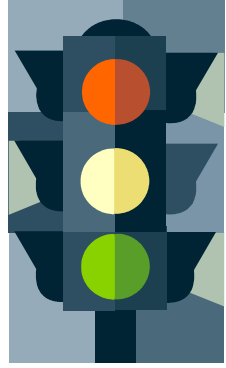
- Revise Goals and Objectives FY 13-14
- 2013 TxDOT Report & Safelight Safety Update
- Introduction of New Program Manager & Update on National/Texas Specific use and impact of Red Light Cameras
- Performance and Program Update
 - FY 12-13 Citations Issued
 - FY 13-14 Quarterly Performance
 - Public Awareness Event Scheduled for FY 13-14
 - 2013 Achievements
- Contractual Agreement Update
- New Member Orientation



REVISE GOALS AND OBJECTIVES



Raul Magdaleno, Chair, Automated Red Light Enforcement Commission



Revise Goals and Objectives for FY 13-14

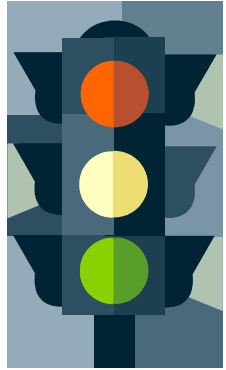
- Assessment of Camera Locations
- Marketing and Public Relations
- Community Engagement
- Texas Legislative Affairs



2013 TXDOT REPORT/SAFELIGHT SAFETY UPDATE



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



2013 TxDot Report

The 2013 Post Activation Report has been submitted

You can view the full report at

http://ftp.dot.state.tx.us/pub/txdot-info/trf/red_light/2013-post/dallas.pdf



Safety Report

- **63 Approaches enforced with cameras**
 - 33 cameras in place for 7 years
 - 11 cameras in place for 5 years
 - 8 cameras in place for 4 years
 - 11 cameras in place for 3 years



7 and 5 Year Post Safety Report Crashes – Camera Approaches Only

- **Post 7 year results at 33 camera approaches:**
 - 54% average reduction in crashes caused by red light running
 - 73% of these approaches showed reductions or no change in red-light related crashes

- **Post 5 year results at 11 camera approaches:**
 - 45% average reduction in crashes caused by red light running
 - 91% of these approaches showed reductions or no change in red-light related crashes



4 and 3 Year Post Safety Report Crashes – Camera Approaches Only

- **Post 4 year results at 8 camera approaches:**
 - 18% average reduction in crashes caused by red light running
 - 63% of these approaches showed reductions or no change in red-light related crashes
- **Post 3 year results at 11 camera approaches:**
 - 60% average reduction in crashes caused by red light running
 - 91% of these approaches showed reductions or no change in red-light related crashes



7 and 5 Year Post Safety Report Crashes – All Approaches

- **Post 7 year results at 34 intersections:**
 - 40% average reduction in crashes caused by red light running
 - 71% of these approaches showed reductions or no change in red-light related crashes
- **Post 5 year results at 10 intersections:**
 - 37% average reduction in crashes caused by red light running
 - 90% of these approaches showed reductions or no change in red-light related crashes



4 and 3 Year Post Safety Report Crashes – All Approaches

- **Post 4 year results at 7 intersections:**
 - 21% average reduction in crashes caused by red light running
 - 71% of these approaches showed reductions or no change in red-light related crashes
- **Post 3 year results at 7 intersections:**
 - 54% average reduction in crashes caused by red light running
 - 100% of these approaches showed reductions or no change in red-light related crashes



7 Year Post Safety Report

Crash Injuries

- **Fewer Injuries**

- 86% reduction in fatalities
- 55% reduction in Red Light Related person-injuries



INTRODUCTION OF NEW PROGRAM MANAGER & UPDATE ON NATIONAL/TEXAS SPECIFIC USE AND IMPACT OF RED LIGHT CAMERAS



Aaron Lehmann, Business Analyst, Xerox
Warren Whitis, Program Manager, Xerox



Warren Whitis
New Program Manager
Xerox State & Local Solutions, Inc

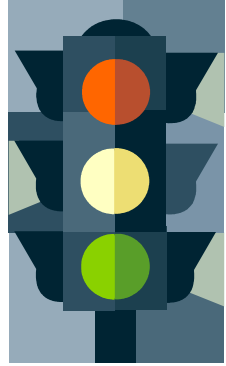
- M.B.A and Project Management (PMP) Certification
- Diversified Background in Operations, Project, and Sales Management
- Experience in manufacturing, logistics, quality and customer service in the food and beverage packaging, chemical, automotive dealership, construction and personal care, industries
- In depth understanding of project management methodology, TQM, Lean Manufacturing, and Six Sigma
- Knowledge of safety programs and OSHA compliance.



National Cooperative Highway Research Program (NCHRP) Best Practices

2012 Review of Red Light Programs in the United States Best Practice Recommendations

- Look at intersections holistically from a safety perspective
- Intersection safety issues examined at the community level as well as the specific intersection level
- Crash screening process to determine the optimum candidate sites within a community
- Candidate sites subjected to a field evaluation to determine if engineering changes would improve the safety of the intersections without needed a red light camera. (Inadequate sight distance, inadequate yellow signal phase, poor signal conspicuity and other issues examined)



National Cooperative Highway Research Program (NCHRP) Best Practices

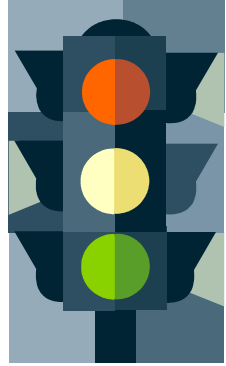
2012 Review of Red Light Programs in the United States Best Practice Recommendations

- Communities are made aware of automated traffic law enforcement before a program is initiated
- Outreach efforts to schools, driver education, community groups and area media
- Grace Period (Set time into the onset of red indication before the automated enforcement “captures” the vehicle)
- Program Evaluation



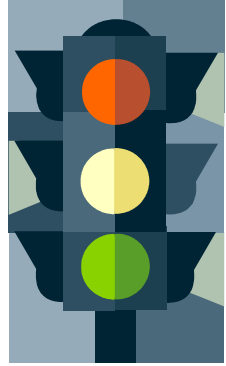
Texas specific use and impact of Red Light Cameras

- Texas Municipality use of Red Light Cameras
 - 2009- 41 Municipalities
 - 2013- 62 Municipalities
- National Highway Traffic Safety Administration reported that traffic fatalities across Texas declined by 15% between 2006 and 2010
 - increased seatbelt usage
 - improved air bag technology
 - safer driving habits
 - local police departments taking advantage of new technology such as red light cameras



Texas specific use and impact of Red Light Cameras

- Texas Transportation Institute (TTI) Evaluation of Red Light Enforcement
 - Studied more than 11,000 crash records at 275 intersections where red light cameras were installed and compared crash frequencies one, two, and three years before camera installation
 - Red Light crashes reduced by 25%
 - Right Angle crashes (the most severe type) reduced 32%
 - “While rear end collisions did appear to rise, the majority of those type crashes were not related to red light violations. In those cases where a greater number of rear end collisions occurred, the majority were found to be a result of the following^ driver traveling too closely to the lead unit or failing to control speed. Evidence suggests that rear end crashes are not a result of the lead unit braking hard to avoid running a red signal and being struck from the rear. Crashes of this type were clearly defined in the frequency of non-red light related collisions that were evaluated.”



Texas Specific use and impact of Red Light Cameras

- 4 Municipalities in Texas discontinued red light enforcement in 2013
 - Houston
 - League City
 - Woodlands
 - Rowlett
- Houston police cited a “350 percent increase in injury crashes and a 1,300 percent increase in total crashes at intersections where cameras were once active.” – Traffic Safety Coalition



PERFORMANCE & PROGRAM UPDATE

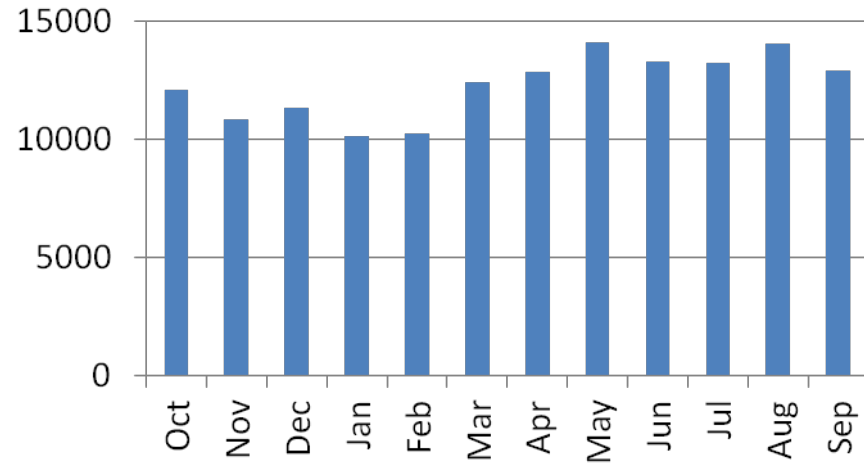


**Wendy Nalls, Manager III Contract Portfolio, Dallas Police Department
Financial Contact Management**

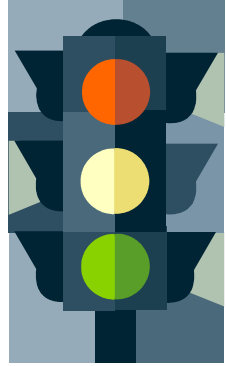


FY 12-13 Citations Issued

FY 12-13 TOTAL CITATIONS ISSUED
147,646



| 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 | 10,149 | 10,242 | 12,453 | 32,844 |
| | APRIL | MAY | JUNE | 3rd Qtr. Total |
| Citations Issued | 12,857 | 14,137 | 13,294 | 40,288 |
| | JULY | AUG | SEPT | 4th Qtr. Total |
| Citations Issued | 13,261 | 14,045 | 12,913 | 40,219 |
| Total YTD | | | | 147,646 |

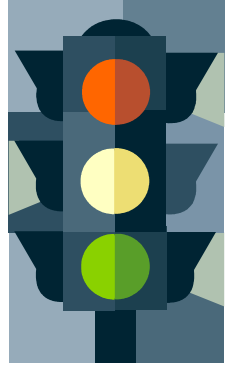


FY 13-14

Quarterly Performance

| <u>FY 13-14 Citations Issued</u> | | | | |
|---|--------------|------------|-------------|---------------------------|
| | OCT | NOV | DEC | 1st Qtr. Total |
| Citations Issued | 14,943 | 12,055 | 8,494 | 35,492 |
| | JAN | FEB | MAR | 2nd Qtr. Total |
| Citations Issued | - | - | - | - |
| | APRIL | MAY | JUNE | 3rd Qtr. Total |
| Citations Issued | - | - | - | - |
| | JULY | AUG | SEPT | 4th Qtr. Total |
| Citations Issued | - | - | - | - |
| Total YTD | | | | 35,492 |

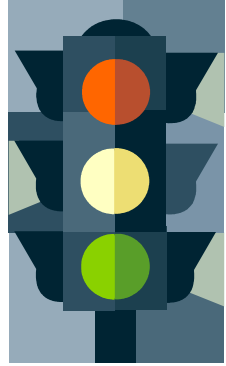
* Still processing



Public Awareness Events Scheduled for FY 13-14

UPCOMING EVENTS

- 2 Chief on the Beats 2014, TBA
- Mayors Back to School Fair 8/2014
- National Stop on Red Week 8/2014



2013 Achievements

- Attended 12 community events educating the public about the dangers of red light running.
- Completed TxDot 2013 Post Activation Report
- Processed approximately 198,744 red light events.
- Forwarded \$1,812,744 to the State for Trauma Centers.
 - Distributions of Funds:
<https://www.dshs.state.tx.us/emstraumasystems/UncompensatedTraumaCareFundDist.shtm>
- 2013 Red Light Statistics 6- Year Post Implementation Review
 - 44% reduction in red-light related accidents on intersection approaches with a camera.
 - 32% reduction in red-light related accidents on all approaches to an intersection with a camera.



CONTRACTUAL AGREEMENT UPDATE



Donzell Gipson, Assistant Director, Dallas Police Department Financial Contact Management



NEW MEMBER ORIENTATION



Miroslava Martinez, Safelight Program Manager
Dallas Police Department



New Member Orientation

- SB 1119
- Council Agenda Item – Ordinance No. 27102
 - Mission Statement
 - Agenda protocol
- Sample of a Notice of Violation



SENATE BILL 1119





COUNCIL AGENDA ITEMS- ORDINANCE NO. 27102
- MISSION STATEMENT, - AGENDA PROTOCOL





ARC's MISSION STATEMENT

- To ensure the citizens of Dallas are fairly represented in the placement of all automated red light cameras.
- Assure that all measures have been taken to save lives by reducing accidents through state-of-the-art photo enforcement and changing driver behavior through education and public awareness.



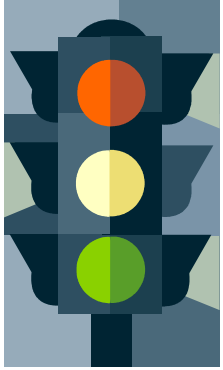
ARC PROTOCOL FOR AGENDA ITEMS

- The Chair of the ARC determines what is placed on the agenda
- Requests for agenda placement must be approved first by the Chair
- The Chair will send email to Board Coordinator and City Staff for placement on agenda



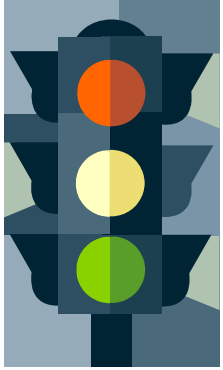
NOTICE OF VIOLATION





Appendices

- 2014 Approved Meeting Dates
- List of ARC Members
- Red Light Camera Map
- Red Light Camera Locations



2014 Approved Meeting Dates

Meeting time: 9:30 am – 11:30 am

Tuesday, January **21**, 2014 - **5ES**

Tuesday, April **8**, 2014 - **6ES**

Tuesday, August **26**, 2014 - **5ES**

Tuesday, October **7**, 2014 - **6ES**



Councilmember & Commission Appointee

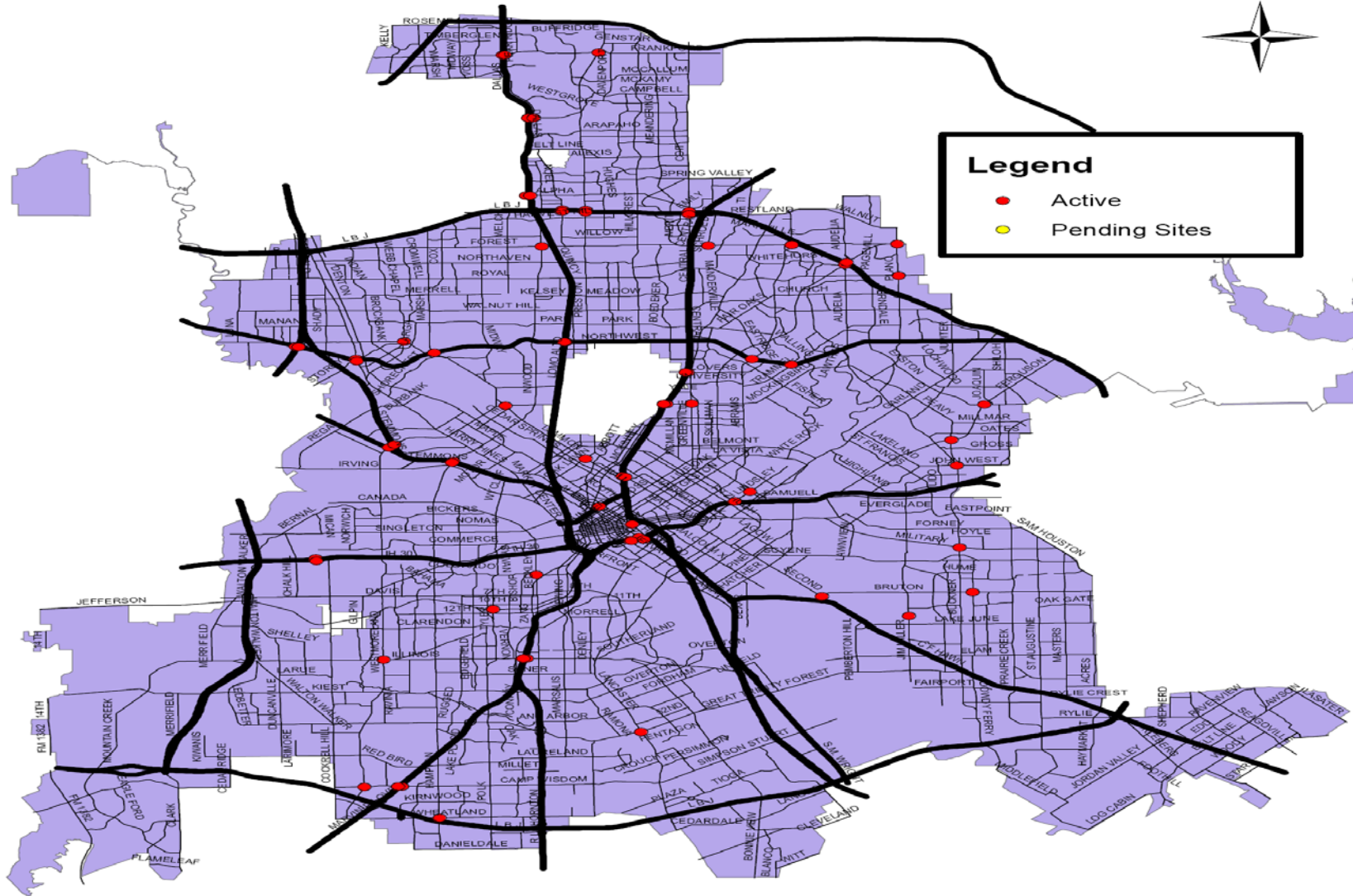
| | | |
|--------------------|--------------------|---|
| Chair | Raul Magdaleno | Mayor Mike Rawlings |
| Vice Chair | VACANT | City Council |
| District 1 | Ernest P. Banda | Scotts Griggs |
| District 2 | Woodrow A. Austin | Adam Medrano |
| District 3 | Taylor Toynes | Vonciel Jones Hill |
| District 4 | VACANT | Dwaine R. Caraway |
| District 5 | Jesus A. Rodriguez | Rick Callahan |
| District 6 | Jessica Sepulveda | Deputy Mayor Pro Tem Monica Alonzo |
| District 7 | VACANT | Carolyn R. Davis |
| District 8 | VACANT | Mayor Pro Tem Tennell Atkins |
| District 9 | Ben Davis Sr. | Sheffie Kadane |
| District 10 | VACANT | Jerry Allen |
| District 11 | Glynn Newman | Lee. M. Kleinman |
| District 12 | Tarek Radjef | Sandy Greyson |
| District 13 | Wade R. Vache | Jennifer S. Gates |
| District 14 | VACANT | Phillip Kingston |
| District 15 | Kirk Houser | City Designated Representative (Ex Officio) |

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 |
| | | | |
| | | | |