Texas Department of Transportation (TXDOT)
Microsoft Access® for Data-Driven Strategies
Part 2 of 3: Analyzing Data

COURSE DESCRIPTION:
IADLEST in cooperation with TXDOT is offering a **FREE**, 3-part training series designed for new and seasoned analysts to learn the primary the skills needed to practice effective and efficient data-driven processes. This training series focuses on the principles regarding data quality, data analysis, reporting, and evaluation and includes practical exercises relating to the process of organizing and maintain quality police data in Microsoft Access®.

CERTIFICATION CREDIT:
The training series has been independently reviewed and assessed to ensure it meets the "best practices" standards for law enforcement training and as such has earned the National Training Program (NCP) seal from IADLEST for quality. Therefore, these workshop eligible to submitted to TCOLE for CEU credit hours.

Students can attend all or just some of the segments as needed. Refer to individual workshop announcements for more detail or go to Analytical Training Workshops:

Date:
Tues. Sept. 24th
8:00am to 4pm

Location:

Texas Municipal Police Association
6200 La Calma
Austin, TX 78752

This training program was created by IADLEST with support from a Texas Department of Transportation grant in an effort improve the collection and utilization of quality crash and crime data necessary to successfully implement an effective data driven strategy to reduce crashes, crime and other social harms impacting a community.
The opinions contained in the program are those of the creators and do not necessarily reflect the official position of TxDOT.

Part 2 - Course Objectives: *Students will learn to conduct analyses via Microsoft Access®. Specifically, students will:*

1. Learn various expressions (such as creating single address fields for mapping hot spot zones) that will assist in the production of analytical, data-driven products.
2. Use queries and expressions to assist in creating uniformity, completeness, timeliness, and accuracy and increase quality reporting for the following data sets: crashes, crimes/social harms, enforcement
3. Extract and export 3-5 years of crime, crash, and enforcement data to export for future mapping purposes (baseline hot spot maps).
4. Learn various analytical techniques for studying hot spot activity including queries to identify top locations within hot spot zones, repeat offenders and victims in the zones, hot spot locations within the zones based on time of day, day of week, etc., queries to identify patterns and trends within the zones, threshold analysis within the zones, etc. (including simple queries, complex queries, aggregation queries, cross tab queries).
5. Establish best practices relative to data-driven analytical processes.

Instructor:
Dawn Reeby, Subject Matter Expert for IADLEST

Registration:
Register **TODAY!** Go to: **http://bit.ly/NCPPart_2** **OR** contact Commander (ret.) Daniel A. Howard, IADLEST Texas- Project Manager at **danhoward@iadlest.org** and 6