

Law Enforcement Traffic Records Data Warehouse

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Highway Safety
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Bhaswati Sarma
Systems Developer

Andrea Bill
Traffic Safety Program Manager

Wisconsin Traffic Operations and Safety (TOPS) Laboratory



Presentation Outline

- Introduction
 - Project Overview
 - Project Partners
 - Project Objectives
- Data Warehouse Overview
 - Project Components
 - Project Updates
- Conversation Circle



Introduction

Project Overview

- Develop cross-agency data warehouse of law enforcement traffic records data (TraCS)
- Include all record types: crash, citations and warnings
- Provide online (web based) access to real time and archived data
- Focus on source law enforcement data
- Pilot a statewide application



Project Partners

- WisDOT WSP Bureau of Transportation Safety (BOTS)
- Wisconsin Traffic Operations and Safety (TOPS) Laboratory
- Pilot Law Enforcement Agencies
 - Wisconsin State Patrol
 - Dane County Sheriff's Department
 - City of Madison Police Department
 - Fitchburg Police Department
- Data Integration Partners
 - WisDOT Badger TracS
 - WisDOT DMV / BITS
 - OJA Justice Gateway



Project Objectives

- Centralized repository of agency TraCS data
- Enhanced reporting and analysis capabilities
- Enhanced in-vehicle and dispatch situational awareness
- Provide consistent data access tools across agencies
- Integration with other TOPS Lab / WisTransPortal traffic data for safety research and planning



Data Warehouse Overview

Project Components

- **Multi-jurisdictional Data Warehouse**
 - Crash
 - Citations
 - Warnings
 - Other TraCS Forms

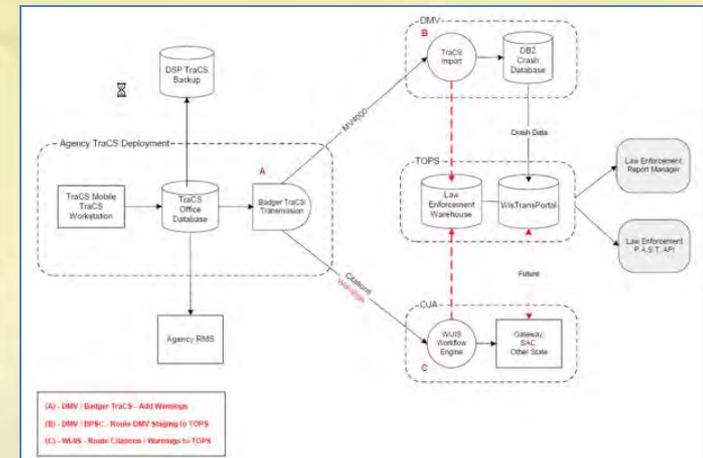
- **Data Access Applications**
 - Report Manager (Reports and Query Engine)
 - P.A.S.T. API (In-Car Search Capabilities)
 - OJA Gateway / DOJ E-Time



Project Components

■ Data Transmission Interfaces

- Based on Badger TraCS (behind the scene)
- Crash data from DMV (daily)
- Warnings / Citations from OJA (“realtime”)
- Minimize integration on agency side



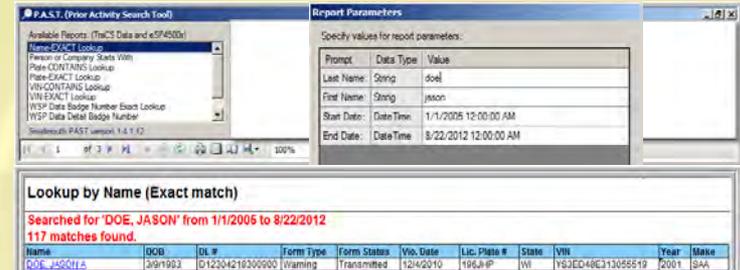
■ Data Warehouse

- Oracle Database
- Housed at UW TOPS Lab (WisTransPortal)
- Loader / Warehouse / Data mart
- Web based access to data marts

Project Components

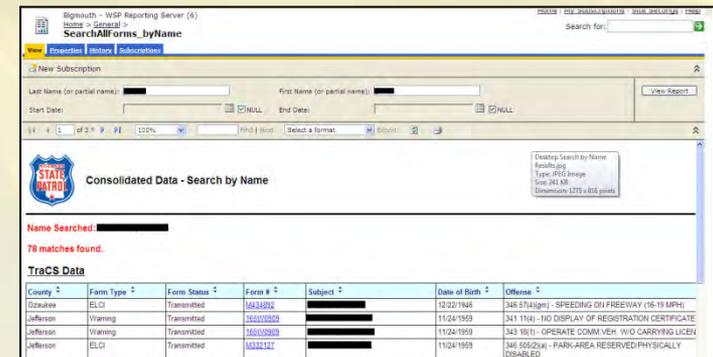
■ In-Car Capabilities (P.A.S.T.)

- Web based (wireless / client-server)
- In vehicle / dispatch look-up based on license plate, VIN, etc.
- Cross agency
- Developing the P.A.S.T. API



■ Report and Query Engine (Report Manager)

- Web based
- Reports / advanced queries
- Cross agency
- Pilot prototype



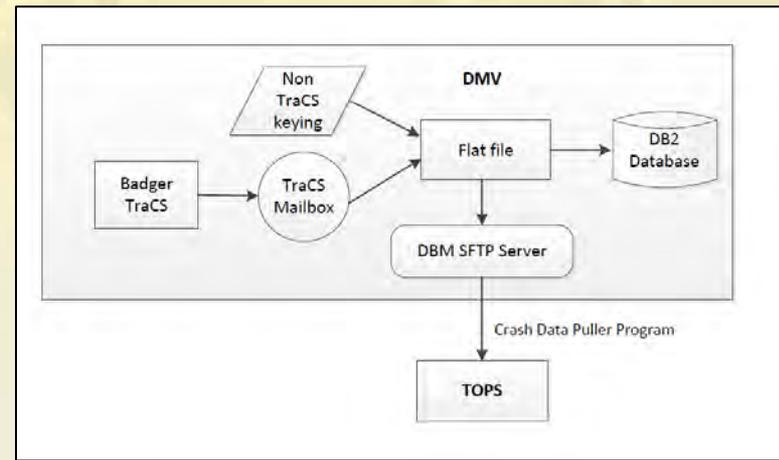
Project Updates

- Crash Data
 - Crash Data Puller program
 - Data loading from Crash data files to the data warehouse
- Citations
 - Transmission of Citations from Gateway
- Warnings
 - Development of Warnings Schema



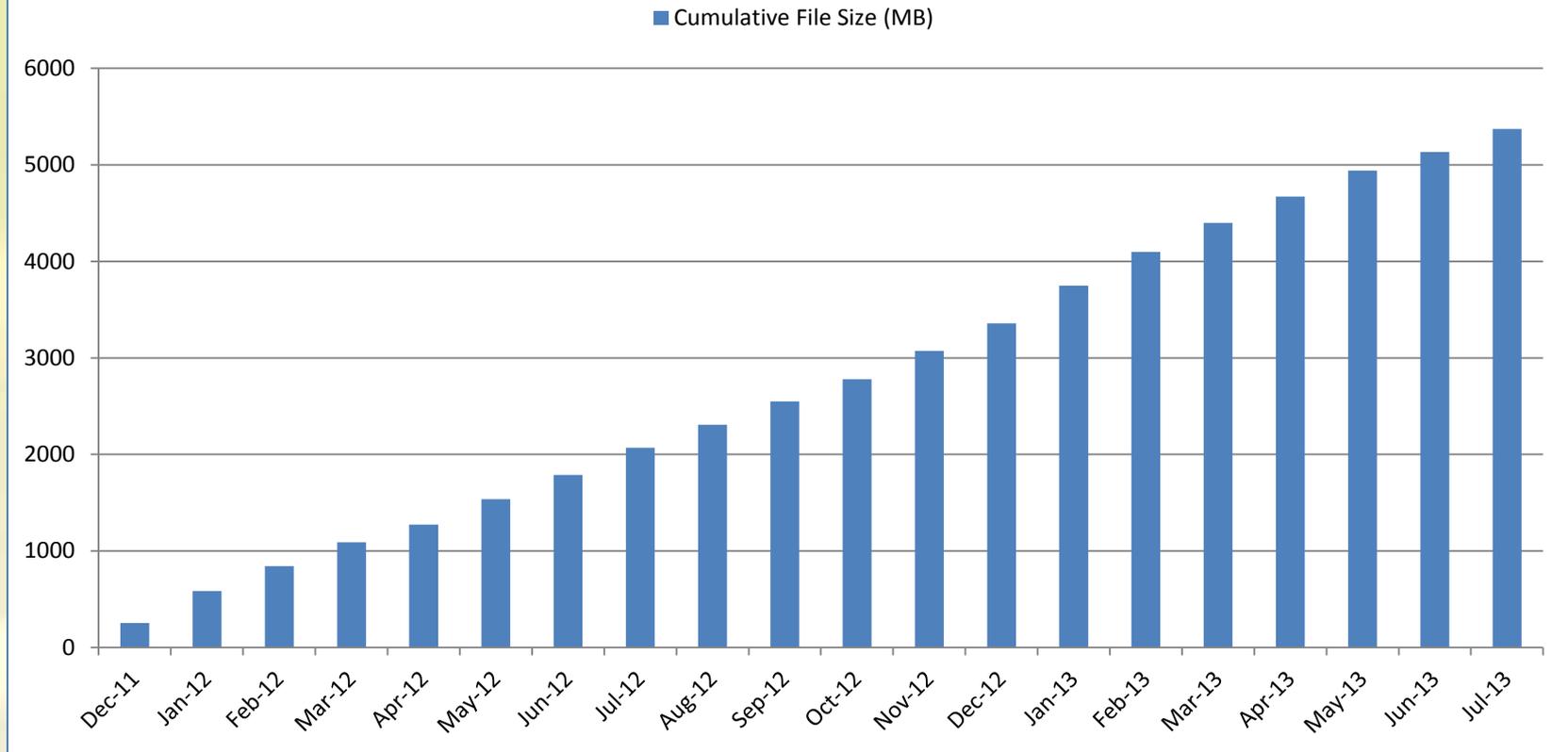
Crash Data

- Transmission process – Crash Data Puller
- Crash files archived in TOPS since December 2011
- Database designed for Crash Data Archival
- Conversion of Crash data from Cobol flat files to database records – Under development



Crash Data

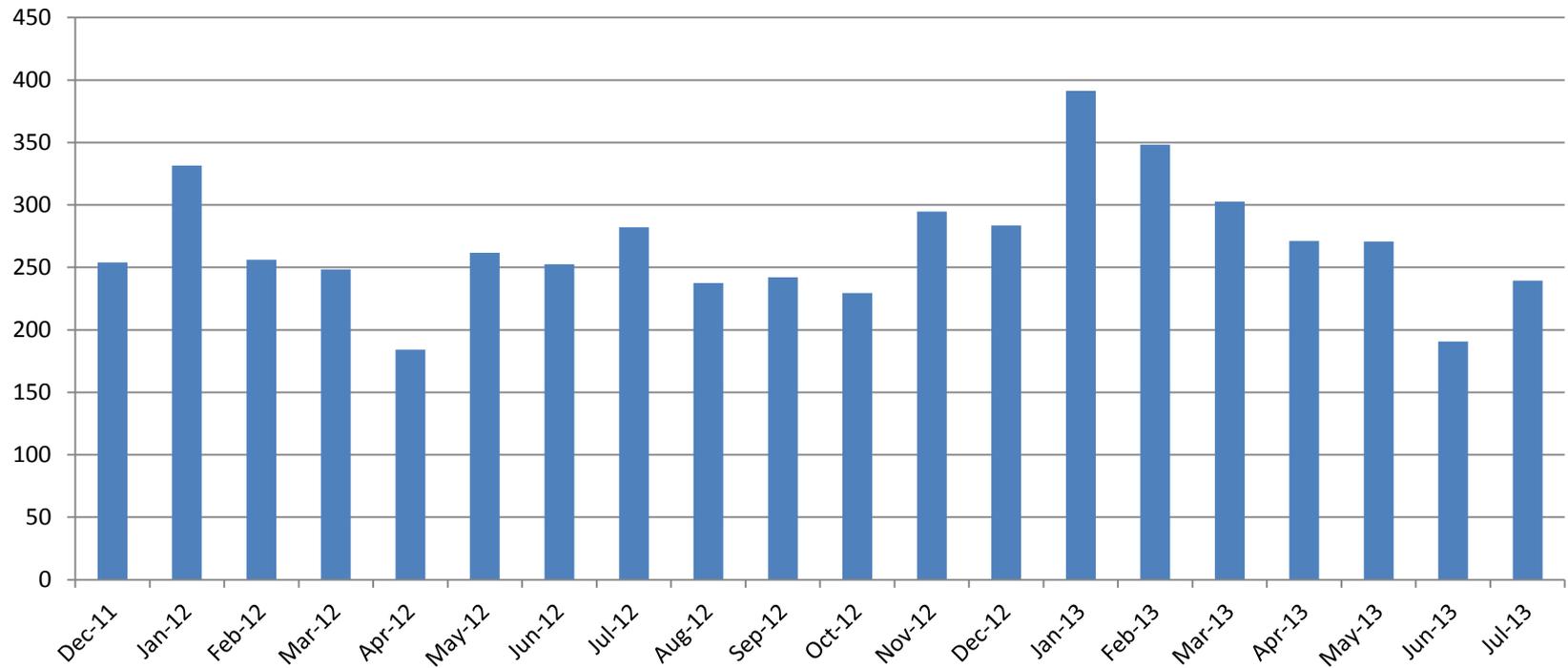
LETRDW Crash Data Transmission History



Crash Data

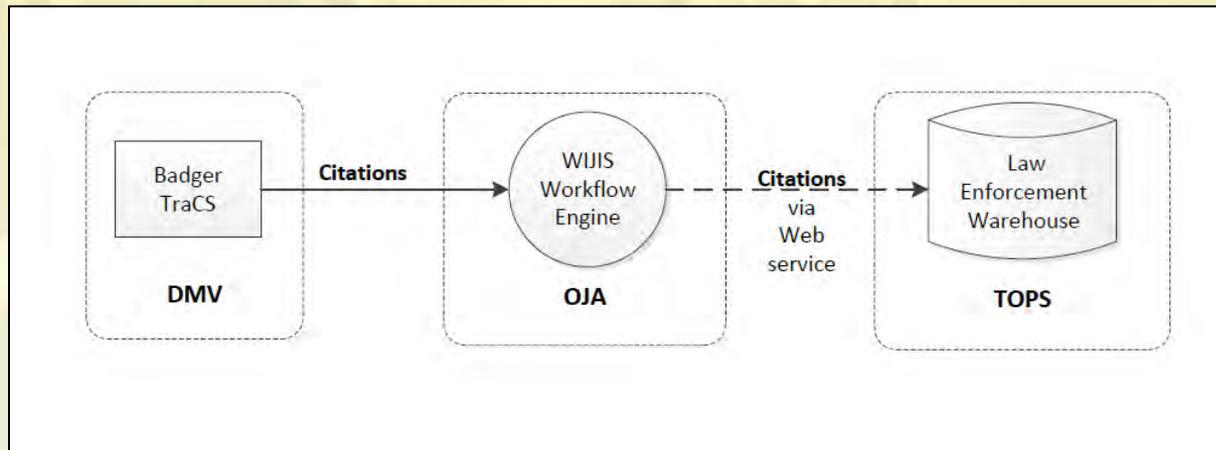
LETRDW Crash Data Transmission History

■ Total File Size Per Month (MB)



Citations

- Citations will be sent to TOPS lab directly from OJA
- Transmission will be performed via Web service
- Interface for transmission is deployed
- Testing is pending



Warnings

- Plans to integrate Warnings after TraCS 10 deployment
- Warnings schema is under development at TOPS
- Schema will be provided to DMV
- Transmission process is yet to be decided

Citations and Warnings

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WisTransPortal "TrafficRecordsService" Interface Definition (WSDL)



Questions

- What do you currently use your RMS for?
- What would you like to use data for?



NATIONAL FUSION CENTER ASSOCIATION

Helping To Protect America

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The Mission:

To represent the interests of state and major urban area fusion centers, as well as associated interests of states, tribal nations, and units of local government, in order to promote the development and sustainment of fusion centers to enhance public safety; encourage effective, efficient, ethical, lawful, and professional intelligence and information sharing; and prevent and reduce the harmful effects of crime and terrorism on victims, individuals, and communities.

The Purpose:

The Association exists to:

- Provide an independent and consolidated voice for state and major urban area fusion centers; Maintain the focus of state, tribal, local, and federal governments on the needs of the fusion centers;
- Represent fusion center concerns to the federal government through an education process;
- Provide support for the development of effective fusion center policy for the nation's state and local government elected officials and tribal leaders;

National Fusion Center Association Commends New Report on the National Network of Fusion Centers by the House Homeland Security Committee

July 26, 2013 – Mike Sena, President of the National Fusion Center Association (NFCA), praised the efforts of House Homeland Security Committee Chairman Michael McCaul and Counterterrorism and Intelligence Subcommittee Chairman Peter King upon the committee's release today of a report titled "Majority Staff Report on the National Network of Fusion Centers."

"The NFCA commends Chairman McCaul and Chairman King for commissioning this report. We appreciate the hard work of the committee staff who conducted a thorough review over the past year and a half," said Sena, Director of the Northern California Regional Intelligence Center (NCRIC).

"We believe the report makes several constructive recommendations, many of which we are already addressing. The NFCA is committed to working with all federal, state, local, tribal, territorial, and private sector partners to continually improve the National Network of Fusion Centers. This report is a valuable contribution that will help guide our efforts going forward," Sena said.

"The committee staff visited 32 fusion centers during the course of their review. This extraordinary effort enabled the staff to gain a deep understanding of how the network operates, highlight best practices that can be spread across the network, and identify gaps that need to be addressed," Sena said.

"We fully agree with the report's conclusion that the National Network of Fusion Centers is a national asset that needs to realize its full potential to help secure the homeland," Sena said.

"The report accurately states that 'the strength of the National Network lies in individual fusion centers' unique expertise, their independence from the Federal Government, and

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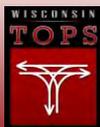
Chris Scott

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Brian Speelman

Executive Director

W. Ross Ashley III





ACLU

AMERICAN CIVIL LIBERTIES UNION

BECAUSE FREEDOM

KEY ISSUES

ACTION

HOME › KEEP AMERICA SAFE AND FREE

ACLU seeks privacy records from secretive state police "fusion center"

Share:     

September 21, 2010

FOR IMMEDIATE RELEASE
CONTACT: media@aclu.org

CHICAGO – Noting that the Illinois State Police (ISP) are not responding to lawful requests for documents under the Illinois Freedom of Information Act, the American Civil Liberties Union of Illinois today asked a state court in Chicago to compel the police agency to turn over records about the Illinois Statewide Terrorism and Intelligence Center (STIC). STIC is Illinois' "fusion center," an entity that integrates the gathering, storage, sharing, and analysis of information about suspected criminal activity among federal, state, and local law enforcement agencies in Illinois. Fusion centers have been a focal point for controversy because they collect and share massive amounts of personal information about members of the public, often without adequate safeguards, oversight, and transparency.



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United States Senate

PERMANENT SUBCOMMITTEE ON INVESTIGATIONS

Committee on Homeland Security and Governmental Affairs

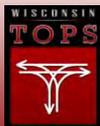
Carl Levin, Chairman

Tom Coburn, Ranking Minority Member

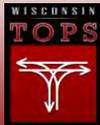
**FEDERAL SUPPORT FOR AND
INVOLVEMENT IN STATE AND LOCAL
FUSION CENTERS**

**MAJORITY AND MINORITY
STAFF REPORT**

PERMANENT SUBCOMMITTEE



- Privacy Concerns?
- Adjudication will be looked to be added in the future.
- Other concerns?



TOPS Lab Project Team

Bhaswati Sarma

Systems Developer

bsarma@wisc.edu

608-890-3953

Steven Parker, PhD

TOPS IT Program Manager

sparker@engr.wisc.edu

608-265-4921

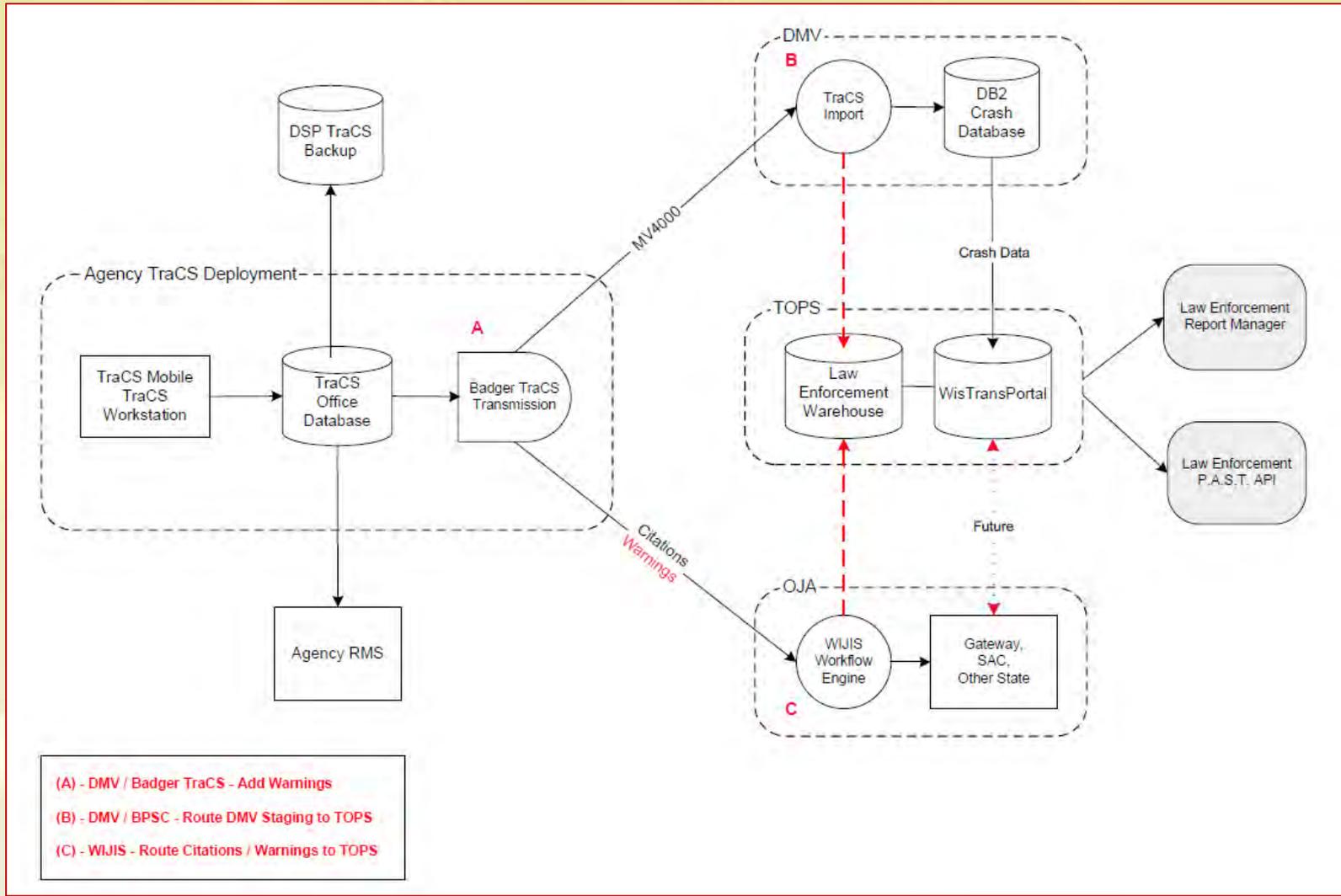
Andrea Bill

TOPS Traffic Safety Program Manager

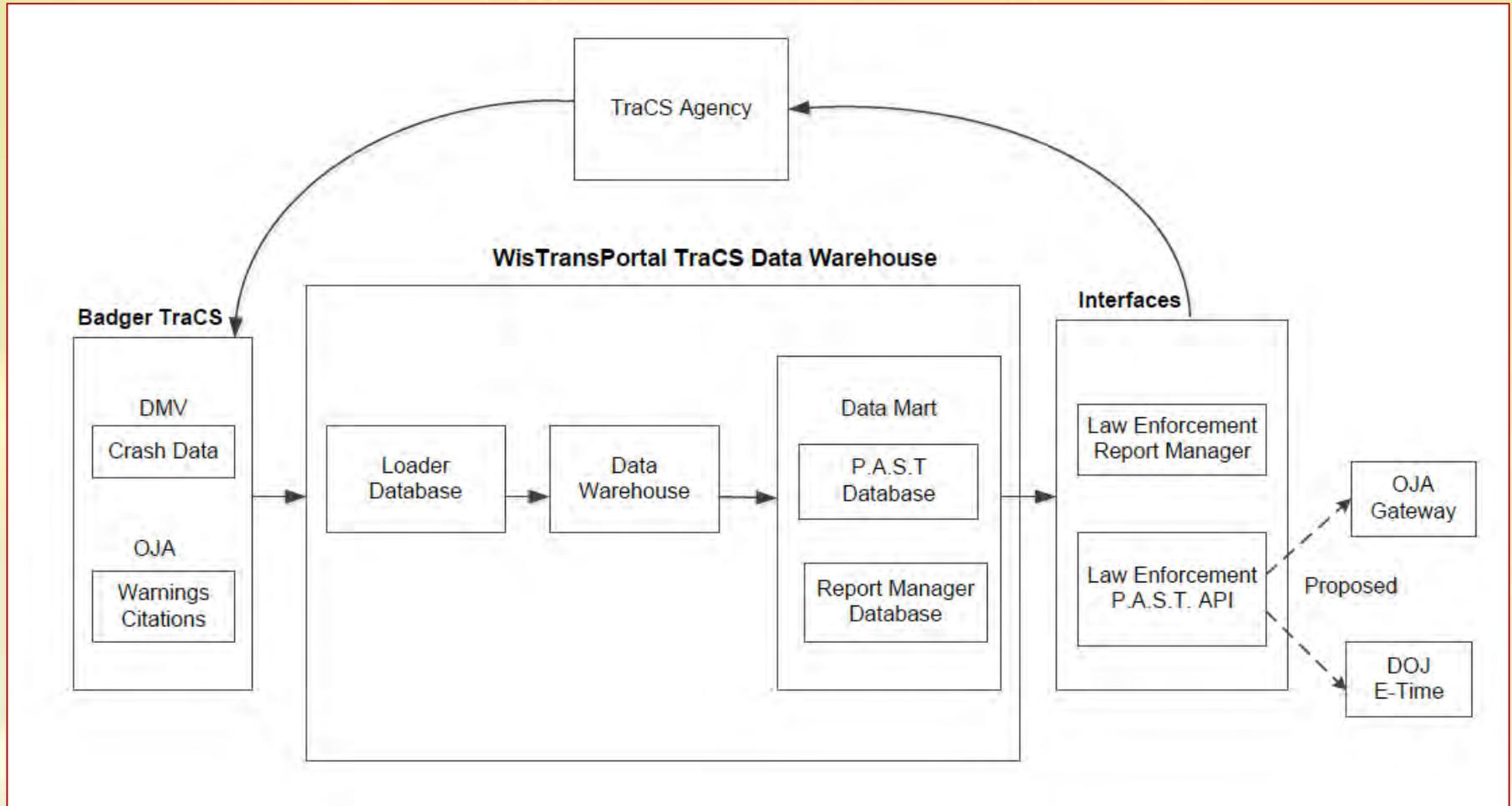
bill@wisc.edu

608-890-3425

Data Flow



System Architecture



Crash

