AzTraCS
Arizona Traffic and Criminal Software

Navajo Nation and Arizona Transportation Partnership
ANNUAL PARTNERSHIP MEETING: April 27, 2018
Mentmore, New Mexico

Norma Bowman, Navajo Department of Transportation
Tim Jordan, Arizona Department of Transportation

What is TraCS

REPORTING MADE EASY
FROM ANYWHERE

Traffic and Criminal Software (TraCS) is a mobile crash reporting software system, that can be used for electronic traffic citations, developing traffic crash reports and other reports/forms.

Benefits of TraCS

- Reduces paperwork that takes away from valuable patrol time.
- Eliminates messy handwriting, misspellings, and incomplete or incorrectly filled in forms.

- Allows data to be collected in the field where the incident happens instead of after the fact back at the office.

Benefits of TraCS

- Numerous data input devices including barcode readers, magnetic stripe readers, and signature tablets make collecting information fast, easy, and accurate.

- Complete Incidents, Investigations, Arrests, e-Citations, e-Crashes and many more forms and reports.

- Allows collected data to be transmitted to a central server and ADOT.

Benefits of TraCS

- TraCS has a built in RMS function and data analysis capability.

Additional Information

http://www.nationalmodel.us/nm_software.html#TraCS

ELECTRONIC FORMS

AVOID DATA ENTRY ERRORS THAT PLAGUE PAPER SYSTEMS

- e-Citation, e-Crash, e-Warning, NIBRS/UCR incident, commercial vehicle inspection (replaces Aspen), arrest, jail booking, DUI/DWI, contact, time and activity, evidence collection and tracking, and many more
- Innovative databars make it quick and easy to enter accurate information
- Built-in diagramming tools and seamless compatibility with many commercially available diagramming software
- Common information gives you the ability to enter information once and reuse it throughout the application

RECORDS MANAGEMENT

KEEP ALL AGENCY RECORDS IN ONE PLACE AND MAXIMIZE THE VALUE OF YOUR AGENCY'S INFORMATION

- Master Indexes, Involvement, and Confidential records provide complete RMS functionality
- Advanced searches, Ad-hoc, and Analysis based reporting helps you make sense of the data collected

REPORT WORKFLOW

LET TRACS HANDLE THE FLOW OF YOUR INCIDENTS FROM START TO FINISH

- Business flow allows the software to adapt to the way you already do business; Not the other way around
- Mobile and Office modes allow you to work from anywhere on any device

PERIPHERAL COMPATIBILITY

ENJOY COMPATIBILITY WITH MANY DEVICES

- Image and signature capturing using barcode imagers, signature tablets, and many other peripherals
- 2D barcode and magnetic strip reading of AAMVA PDF417 data embedded in driver's licenses, vehicle registrations, and commercial CAB cards directly into a TraCS form

TRACS WEB

USE ALL THE FEATURES OF TRACS WITH THE CONVENIENCE OF A WEB BASED DEPLOYMENT

- Use both TraCS and TraCS Web devices to meet your agency's unique connectivity needs.
- Overcome limited connectivity by using TraCS in web services mode where offline use is almost as robust as online use

CASE MANAGEMENT

MANAGE INVESTIGATIONS AND BUILD CASES

- Case Manager for searching and organizing case files
- Case Builder for packaging case records for court
- Print Manager for report printing including public releases, redacted reports, and standardized letters
- Case attachments to store Word and PDF documents, video and audio files, and other file types directly with your case.
- Validation rules at the case level make sure all of the pieces of the case are completed correctly.

DATA VALIDATION

GET ACCURATE DATA IMMEDIATELY AT THE SCENE INSTEAD OF LATER AT THE OFFICE

- Rules ensure data collected is correct and complete
- Instant feedback when required data is omitted or invalid

DATA TRANSMISSION

TRANSMIT RECORDS TO EXTERNAL SOURCES FASTER THAN EVER BEFORE

- Effortless data sharing with existing external applications
- Capability to transmit data to state and federal agencies in any format

LOCATION TOOL

GEOCODE EVERY TRACS FORM FOR LOCATION BASED ANALYSIS

- Latitude and longitude coordinates can be easily attached to every form with a simple click on a map
- Your current location can be used to position the Location Tool automatically when using a GPS reciever with TraCS

SOFTWARE DEVELOPMENT KIT

CUSTOMIZE THE ENTIRE TRACS APPLICATION USING THE TRACS SDK TOOLS

- Build new forms, reports, and validation rules to use in your agency.
- Use the Forms Builder, Rules, Builder, Database Builder, and Analysis Report Builder to customize TraCS for your ageny's needs

ADOT's Involvement

- The Federal Highway Administration (FHWA) has authorized ADOT to spend Highway Safety Improvement Program (HSIP) funds to assist agencies throughout Arizona to submit their crash reports electronically.

- This approval allows ADOT to assist those agencies wanting to use TraCS with funding to install TraCS software, provide equipment, training and cover consultant fees.

ADOT's Involvement

- ADOT pays the yearly $60,000 TraCS licensing fee through a grant provided by the Governor's Office of Highway Safety (GOHS).
  - The license allows ADOT to install TraCS with any agency in the state.

- ADOT also provides tech support to TraCS users free of charge.

Data Access Agreement

DATA ACCESS / EXCHANGE AGREEMENT

ADOT File No:	17-0006425-I
Date:	
Name of Department:	The Navajo Nation
Doing Business As:	The Navajo Nation
Business Address:	
Mailing Address:	
Telephone Number:	(480) 313-0570

The Navajo Nation (AGENCY) hereby requests authorization for connectivity to the Arizona Department of Transportation's (ADOT) (check all that apply):

☒ ALISS Database to submit electronic crash records.

☐ ALISS Database to access and retrieve crash data.

☒ ACIS to query, analyze and retrieve crash data.

The Navajo Nation (AGENCY) is authorized to enter into this Agreement and has resolved to enter into this Agreement and has authorized the undersigned to execute this Agreement on behalf of the AGENCY.

- This agreement is needed for connectivity to ADOT to submit crash reports and retrieve / analyze data.

TraCS IGA

INTERGOVERNMENTAL AGREEMENT

BETWEEN
THE STATE OF ARIZONA
AND
THE NAVAJO NATION

THIS AGREEMENT is entered into this date _____, pursuant to the Arizona Revised Statutes §§ 11-951 through 11-954, as amended, between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF TRANSPORTATION (the "State" or "ADOT") and the NAVAJO NATION, acting by and through its CHAIRMAN and BOARD OF SUPERVISORS (the "Nation"). The State and the Nation are collectively referred to as "Parties"

- The IGA is the actual TraCS contract and spells out the scope of work.

TraCS IGA

II. SCOPE OF WORK

1. The State will:

   a. Execute this Agreement and be the designated agent for the Nation for the Project, in order to acquire funds, as approved by FHWA.

   b. Obtain FHWA authorization and notify the Nation that they may proceed with the development and implementation of the Project.

   c. Provide the TraCS Software to the Nation, assign Serial Numbers and Service Account to the Nation, grant access to Test and Production servers, as needed, provide a pre-configured Demo version of the TraCS Software to be used during Phase 1, assist Nation IT during Phase 2 and perform the tasks listed under phase 4 below.

      i. Phase 4: Ongoing Support
      - Only cover TraCS application issues
      - Address those TraCS application issues that cannot be resolved by the Nation SME and

TraCS IGA

2. The Nation will:

   a. Designate the State as the authorized agent for the Nation for the Project, in order to be eligible for federal funds, as approved by FHWA.

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   b. Receive notification from the State of FHWA authorization and proceed with the development and implementation of the Project.

   c. Provide all necessary software except for TraCS, provide all necessary hardware including servers, workstations, laptops and peripherals, and perform the tasks listed under Phases 1 -

Agreement Updates

Request for Exception to R2-10-301
(please select at least one)

☒ **Contractual Limitation of Liability**
☐ **Indemnification/Hold Harmless**
☐ **Additional Insured**
☐ **Waiver of Subrogation**

Please attach contract documents and identify language requiring an exception.

"Agency" refers to all State of Arizona Agencies, Boards, Commissions, and Universities.

CONTRACT, LEASE, OR OTHER WRITTEN AGREEMENT INFORMATION		
Agency: **Arizona Department of Transportation**		
Request Date: 03/22/2018	Vendor Name: The Navajo Nation	
Title: Data Access/Exchange Agreement, Intergovernmental Agreement		Number: 17-0006425-1, M5134 01X
Effective Date:03/22/2018	Term: 5 years	Value:
Section(s) referencing Limitation of Liability: Removal of all Indemnification and Liability language		
Sections(s) referencing Indemnification / Hold Harmless:		

Agreement Updates

Explanation: ADOT has decided to remove all references to the limited waiver of sovereign immunity and indemnification clauses within the 2 referenced agreements. As a result, ADOT may be subject to any and all liability, claims, damages, losses, or expenses resulting from the 2 referenced agreements. By way of their sovereign immunity, the Navajo Nation is immune from civil suit or criminal prosecution and ADOT will have no standing to bring forth any claims against the Navajo Nation by way of the 2 referenced agreements.

- Language related to a limited waiver of sovereign immunity and indemnification has been removed at the direction of Director Halikowski.

Deployment Options
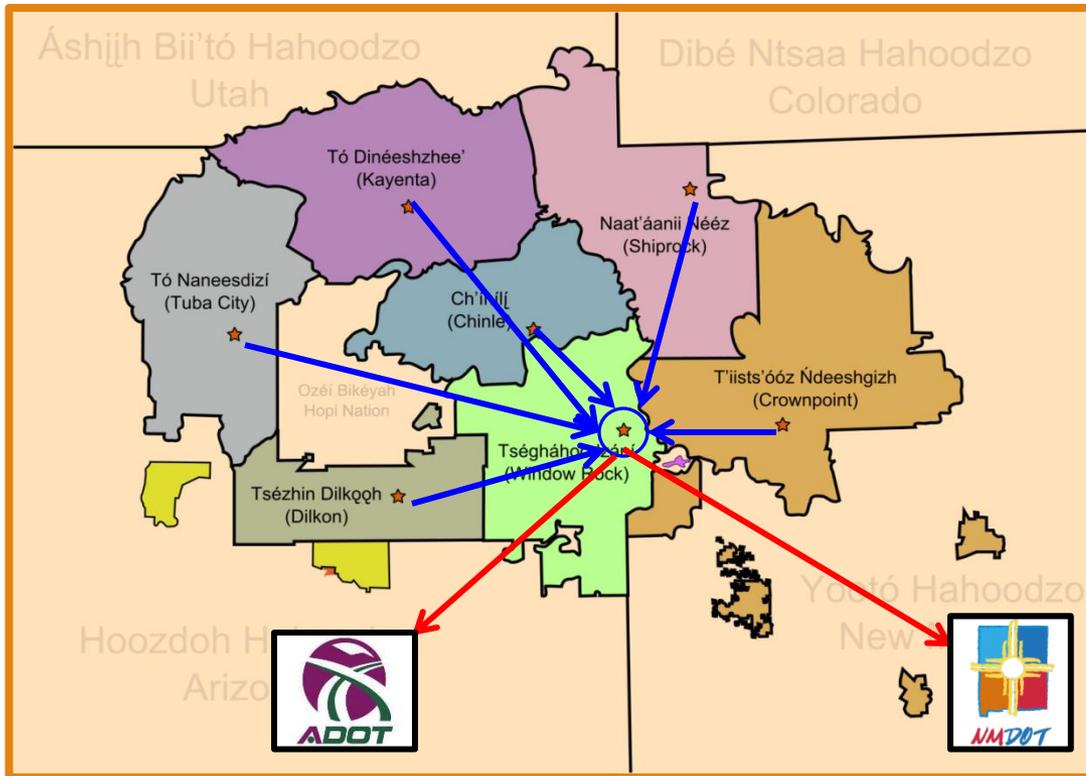
- The Navajo Nation's 7 districts would transmit their crash data to a central server located at NDOT.

- From there, the crash data would be transmitted to ADOT (or NMDOT).

Deployment Options

- A full deployment would encompass installing TraCS in each patrol vehicle, on desktops at each district and at each substation in those districts.

- A limited or graduated deployment is also possible starting with deployment to desktop computers at districts and substations.

Personal Data

- All personal identifying data would be scrubbed at the NDOT level before being sent to ADOT.

- Complete, un-redacted reports would still be available to Navajo Nation Police personnel and designated NDOT personnel.

Crash Data Analysis
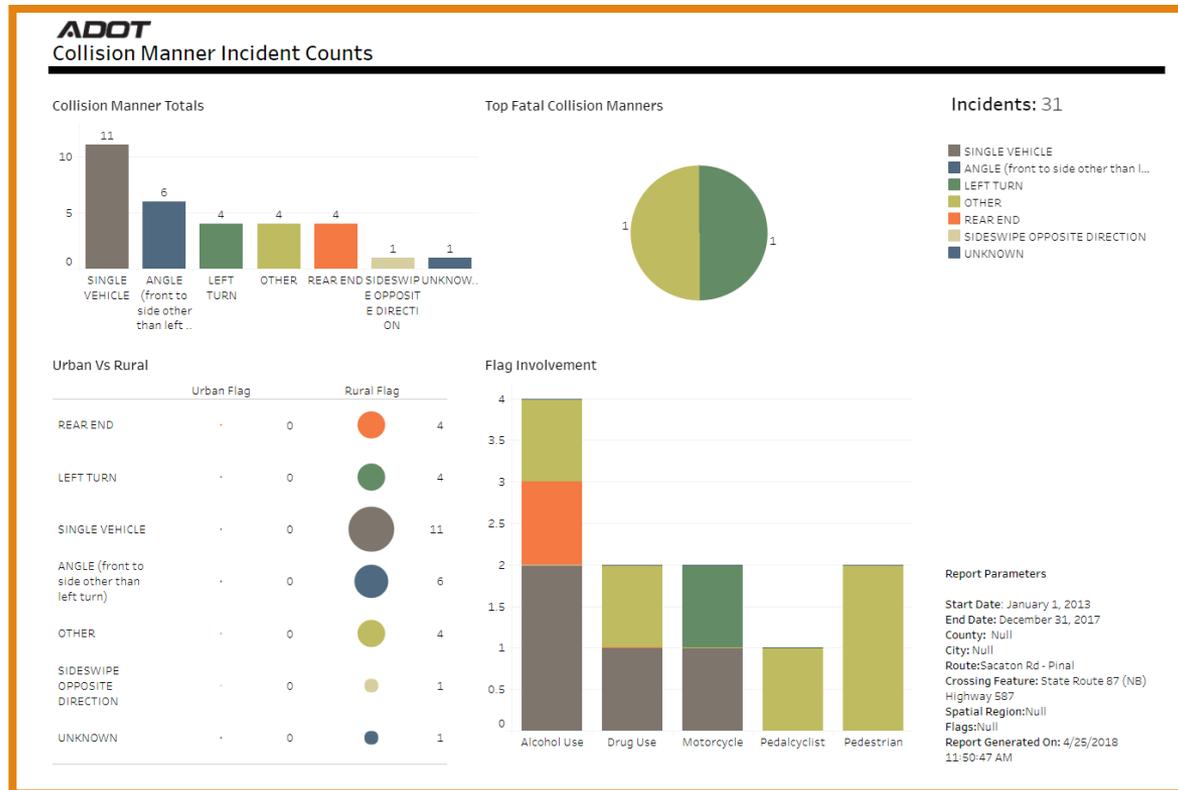
Arizona Crash Information System - ACIS

Crash Data Analysis

- Designated personnel would have access to ADOT's ACIS database to run reports and retrieve crash data.

- This data can be used to identify crash trends and patterns and focus law enforcement deployment.

- Additionally, the data can be used to justify funding requests to various entities for items such as road improvements, safety initiatives and additional enforcement making roadways on the Navajo Nation safer for those that use them.
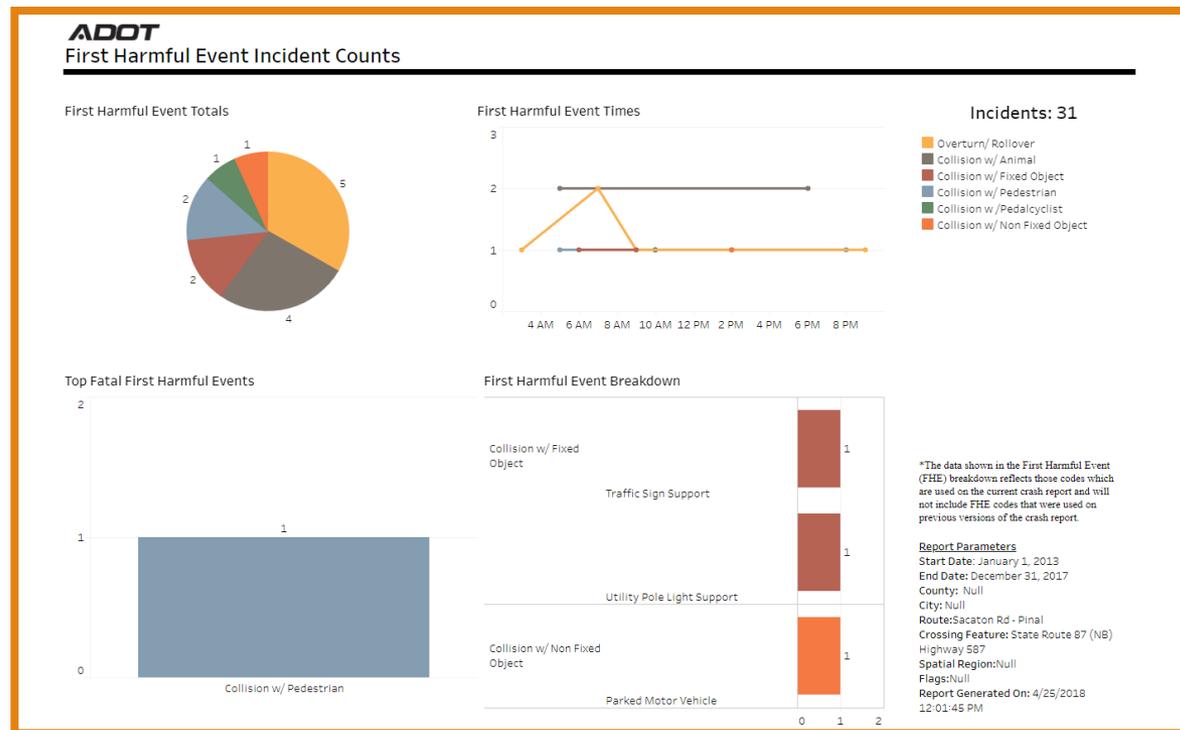
Crash Data Analysis

Arizona Crash Information System - ACIS

Arizona Crash Information System - ACIS

# Crash Data Analysis

Arizona Crash Information System - ACIS

ADOT First Harmful Event Summary Report

Incident County Name	Incident Year	Incident First Harmful Desc	Incident Count	Incident Total Injuries	Incident Total Fatalities	Incident Total Units	Incident Total Persons
PINAL	2013	ANIMAL LIVESTOCK	2	2	0	2	5
PINAL	2013	MOTOR VEHICLE IN TRANSPORT	3	3	0	6	10
PINAL	2013	OVERTURN ROLLOVER	1	0	0	1	1
PINAL	2013	PEDESTRIAN	2	1	1	4	4
PINAL	2014	ANIMAL LIVESTOCK	1	0	0	1	1
PINAL	2014	MOTOR VEHICLE IN TRANSPORT	2	0	0	4	4
PINAL	2014	OVERTURN ROLLOVER	2	1	0	2	2
PINAL	2014	TRAFFIC SIGN SUPPORT	1	0	0	1	1
PINAL	2015	MOTOR VEHICLE IN TRANSPORT	1	0	0	2	4
PINAL	2015	OVERTURN ROLLOVER	1	0	0	1	1
PINAL	2015	UTILITY POLE LIGHT SUPPORT	1	0	0	1	1
PINAL	2016	ANIMAL	1	0	0	1	1
PINAL	2016	MOTOR VEHICLE IN TRANSPORT	6	5	1	12	20
PINAL	2016	PARKED MOTOR VEHICLE	1	2	0	2	3
PINAL	2016	PEDALCYCLE	1	1	0	2	2
PINAL	2017	MOTOR VEHICLE IN TRANSPORT	4	2	0	8	23
PINAL	2017	OVERTURN ROLLOVER	1	1	0	1	1
			31	18	2	51	84

Crash Data Analysis

Arizona Crash Information System - ACIS
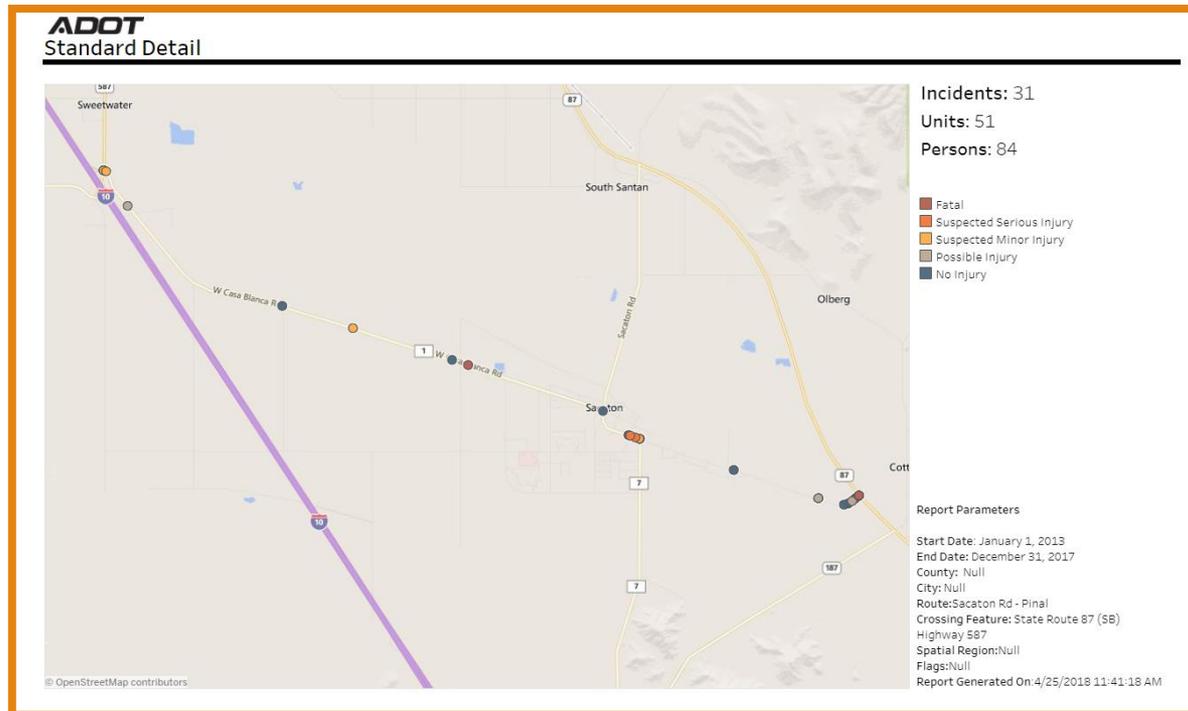
Other Possibilities
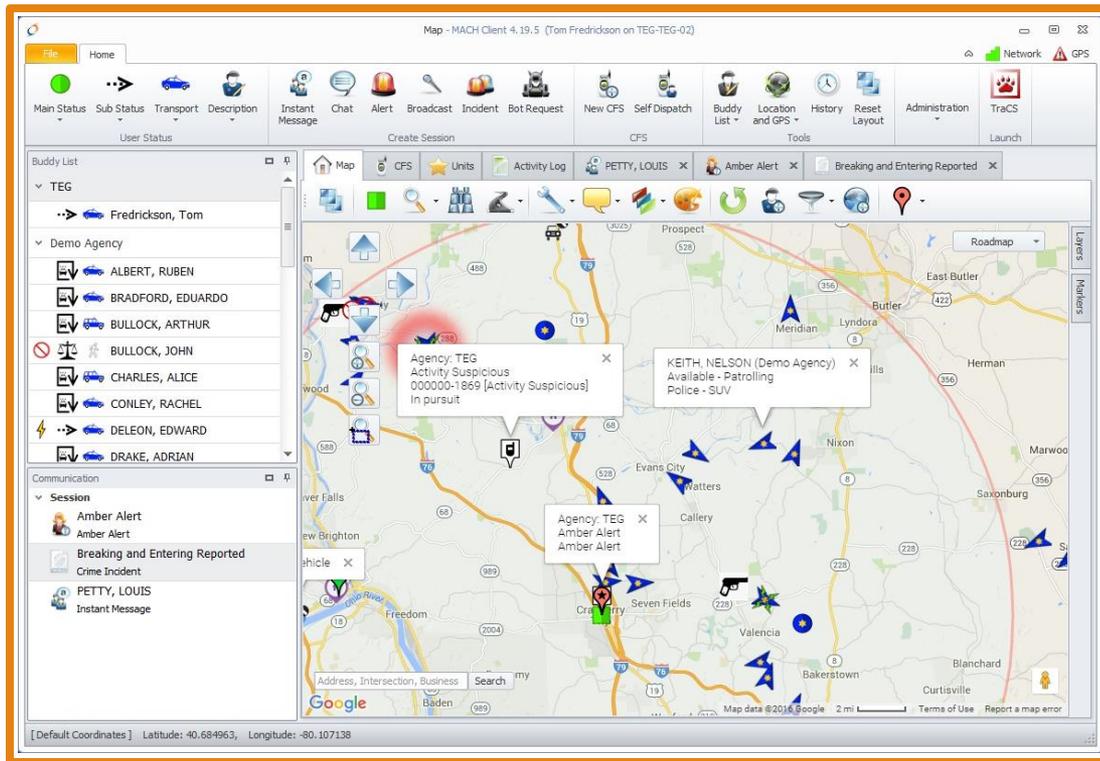
- The makers of TraCS also offer a CAD system (MACH) that is fully integrated with TraCS.
- The entire suite offers dispatching, electronic reporting and RMS.

Other Possibilities

- The potential for implementing MACH is still in the discussion stages but interest has been expressed by several agencies and GOHS.

QUESTIONS AND COMMENTS

Tim Jordan
Custodian of State Crash Records
Arizona Department of Transportation
1615 W. Jackson Street, MD-064R
Phoenix, AZ 85007
Office: 602-712-7487 / Cell: 760-963-5696
Email: Tjordan@azdot.gov

Norma Bowman
Program Manager
Navajo Department of Transportation
#16 Old Coalmine Road
Mentmore, NM 87319
505-371-8391
Email: nbowman@navajodot.org