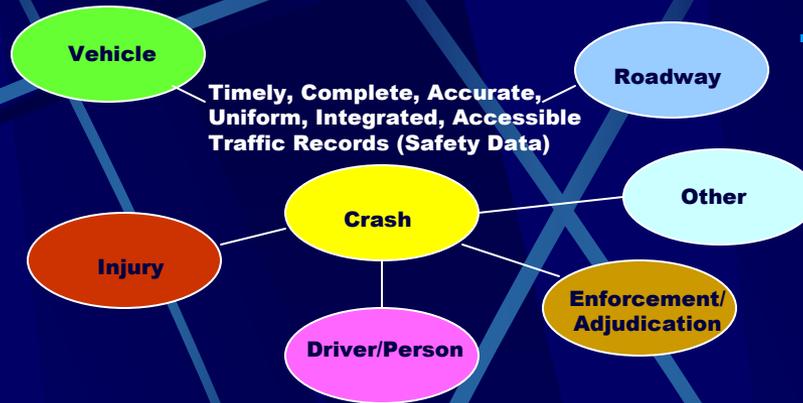


# Progress of 3<sup>rd</sup> Year Projects



Thru July 2009

- **E-Citation Processing System CIB/JUD**
- **E-Citation Pilot and E-PR1 CRCOG Local Law Enforcement**
- **E-Citation Pilot CSP**
- **E-PCR Patient Care Reporting OEMS**
- **E-PR1 to DOT Ansonia Local Law Enforcement Group**
- **E-PR1 CSP to DOT GPS/GIS/Crash-Rdwy-ADT Linkage DOT**

# 3<sup>rd</sup> Year TR Data Project

Oct '08 – Sep '09

*Safety Data System*



## Electronic Citation Processing System – CIB/Judicial

### Accomplishments

- Continued communication with staff regarding data exchange between eCitations Web Services application and CIB
- Modified statute file format and distributed to eCitation front-end vendors
- Met with NexGen and SmartPSS regarding eCitation status: discussed August/Sept deliverables and timeline
- eCitations Web services application development continues
- Worked with Purchasing and Sunshine Printing to finalize pre-printing thermal spools
- XML schema v3 almost completed (to incorporate changes in legacy system requirements)

### Continued Development

- Deliver printer paper to vendors
- Testing to begin on transmittals / Suggestion - “payload files” - to test flow of data to CIB

# 3<sup>rd</sup> Year TR Data Project

Oct '08 – Sep '09

*Safety Data System*



## Integrate CAPTAIN Mobile Data Users with Electronic PR-1 and Citation Pilot Application – CRCOG

### Accomplishments

- Meetings with Judicial focusing on in-car mobile interface and other technical issues
- Continued working group; plans to roll out 10/75 eCitation equipped vehicles
- Review of statute file and data edit/validation checks from Judicial
- Review of printing templates from Judicial and selected printers
- Continued discussions with representatives from pilot towns
- Review of ConnDOT edit rules for motor vehicle crash reporting using the PR-1

### Continued Development

- Met with Judicial to discuss steps remaining to begin pilot test for eCitation
- Accept transmittal requirements, XML schema, other specifications
- Complete bid process for printers/scanners for pilot citation application

# 3<sup>rd</sup> Year TR Data Project

Oct '08 – Sep '09

*Safety Data  
System*



## CIB/CSP Electronic Citation Pilot – Connecticut State Police

### Accomplishments

- Development portion for eCitation; eCitation design and creation
- Ongoing coordination with CIB designer(s) regarding the Electronic Citation Processing System project – discussed Aug-September deliverables/timeline
- Designed and delivered XML schema to CIB

### Continued Development

- Selection of printers made – DPS prepared to begin once paper is provided
- Procurement procedures to begin once all peripheral devices for specific installation have been identified
- Timeliness of peripheral delivery – DPS posted a bid for the items
- Awaiting modifications by Judicial to final phases
- Traffic Unit, 15-20 Troops planned for participation in pilot

# 3<sup>rd</sup> Year TR Data Project

Oct '08 – Sep '09



## Emergency Medical Services Patient Care Report Data Collection System – DPH Office of EMS

### Accomplishments

- 105 Toughbook computers distributed to-date
- Reports added to database to-date: 250,000+ from 155 EMS providers
- Largest EMS provider online and sending in PCRs
- Beta testing of DoIT data repository server completed
- Application to download data from the server that can be translated into a format for statistical analysis completed

### Continued Development

- Follow-up regarding memo (implement by 7-1-09) requiring use of 400+ NEMSIS data elements be submitted as dictated by the severity/specifics in each case
- Linkage of EMS data with ED and inpatient hospital discharge data to analyze outcomes regarding the appropriateness of EMS care received by Connecticut residents, and improve the quality of patient care

# 3<sup>rd</sup> Year TR Data Project

Oct '08 – Sep '09

*Safety Data  
System*



**Local Law Enforcement Electronic PR-1 using NexGen appl. – Ansonia, Fairfield, North Branford and Shelton Police Depts.**

## **Accomplishments**

- Equipment ordered and received by all departments
- Fairfield purchased wireless contract – scheduled to install software / begin training
- Shelton planning to be fully functional in August 2009
- North Branford awaiting NexGen software installation
- Ansonia in process of signing off on wireless account and modem switch-over
- Continue to meet with other agencies to review data sharing approach and to formalize MOU among law enforcement agencies for sharing information

## **Continued Development**

- NexGen assistance in getting IP addresses and wireless connection setup
- Installation of modems and antennas for wireless carrier
- Implement similar electronic PR-1 application being utilized by DPS

# 3<sup>rd</sup> Year TR Data Project

Oct '08 – Sep '09

## Safety Data System



## Electronic PR-1 Reporting to ConnDOT

### Accomplishments

- Geocoded 2,873 miles to-date of Dept's roadway network; enabling the integration of crash data with the State's GIS system
- Percent Geocoded Miles complete - Interstates (83%), - Other Expressways (23%), - Other State Maintained (17%), - HPMS Upper Functional Class Town Roads (53%), - Private Roads (2%), - Other Town Roads (0)
- Coded 80,878 accidents/crashes for calendar year 2008, including 30,540 LR-PDOs

### Continued Development

- Implemented PC base system for the input of the PR-1; to replace the present DCR system - Provided Demonstration of System/Screens
- Receiving e-PR1s onto ConnDOT server/analyzing PR-1s from Dept of Public Safety
- PR-1s next to be received (following acceptance of electronic feed from DPS / allowing for edit/validity checks) ... Madison, Ansonia, CRCOG Groups, Others
- Integrate roadway, traffic (ADT), accident (PR-1) files / Goal – to be off mainframe

# Collision Analysis System

## Electronic PR-1 Demonstration

### Safety Data System



Collision Analysis System

File Tools Cases Reports Admin Help Dev **Dev Environment** Edit Welcome Mike Cornell

### Accident Summary Information

Record Created *DPS Loader 5/13/2009 2:06:13 PM* Duplicate

Police Case # 800482733

DOT Case Number [ ]

GPS  
Latitude [ ] Longitude [ ]

Accident Date and Time  
YYYY MM DD hh mm  
2008 10 5 7 45

Severity  
 Fatal  
 Injury  
 PDD

Route  
Town 64 Hartford

Road/Route Class  
 Interstate  US Route  
 State Route  Local

Location  
 At Intersection  
Mile 0 [ ] [ ] [ ]  Unknown

Intersecting Roads / Routes  
#1 [ ]  
#2 [ ]  
#3 [ ]  
#4 [ ]

Ramp  
Ramp # [ ] suffix [ ]

# Involved  
Vehicles 2  
Pedestrians 0

View MilePoints Diagram Narrative

Location Description I-91 SOUTHBOUND 4 Tenths N of EXIT 27 OFF RAMP

Collision Type 4 Sideswipe - Same Direction

Environment  
Weather 2 Rain  
Road 2 Wet  
Light 1 Daylight

Occurred on 1 Main Roadway

Other Roadway Feature 0 None

Median Barrier Penetration 4 Not Applicable

Construction or Maintenance Related  At Fault Traffic Unit # 2

Contributing Factor 2 Speed Too Fast For Conditions

Notes 5/13/2009 2:06:13 PM Loaded from DPS record for Crash Report # 0800482733 Case Incident Key = 3317652 Accident Key = 200011 Accident Num = 1860

Add Validate Next >

### Screens -----

Accident Summary

Vehicle Information

Vehicle #1

Vehicle #2

etc.

Operator Information

Operator #1

Operator #2

etc.

Review Information

# Vehicles

# Pedestrians

# Fatalities

# Injuries

Narrative

Diagram

# Collision Analysis System

## Electronic PR-1 Narrative

### Safety Data System



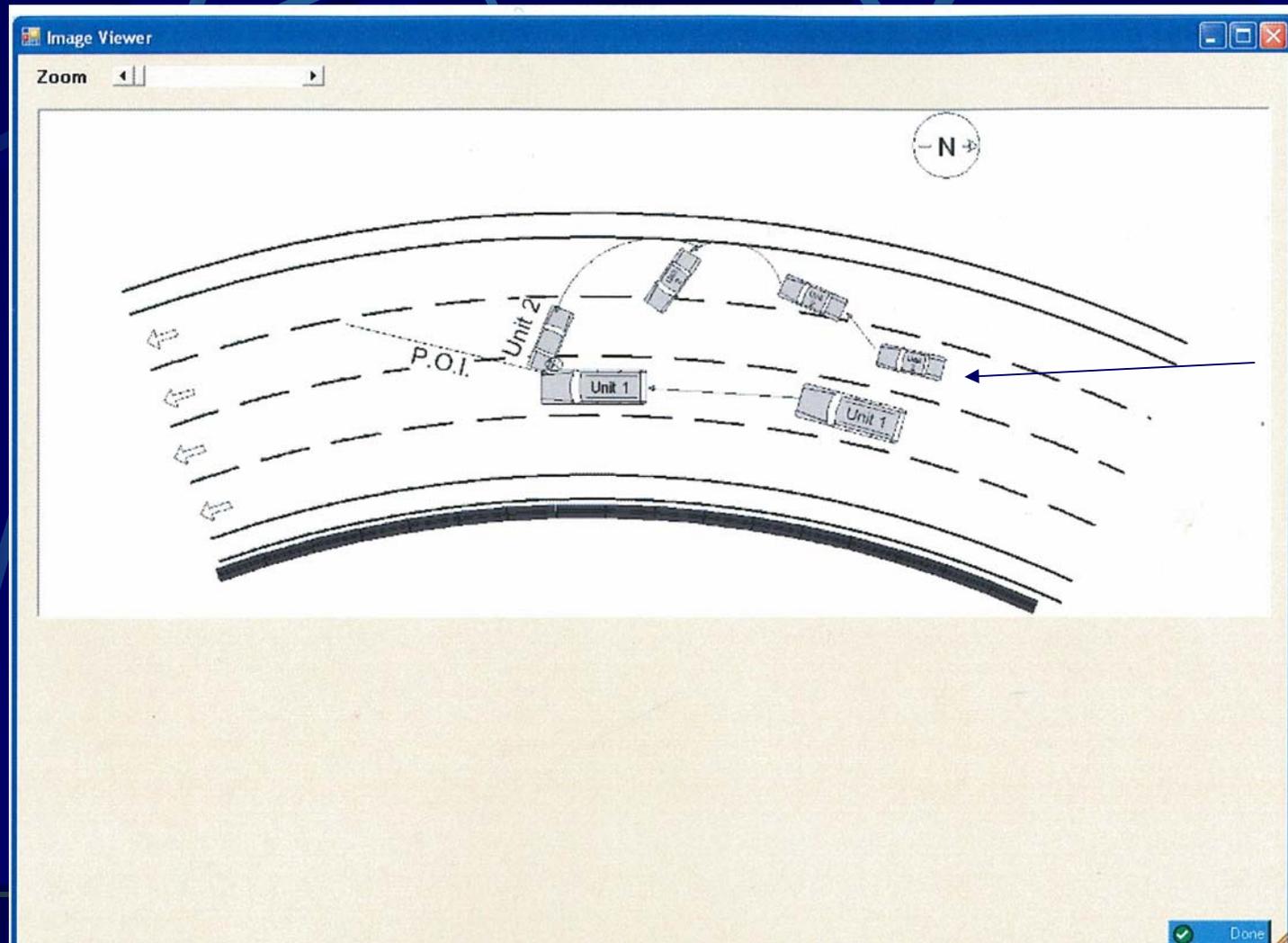
#### Police Officer Narrative

Vehicle #1 was traveling on I-91 southbound in the left center lane of 4 travel lanes, prior to exit #27 in the city of Hartford. Vehicle #2 was traveling in the right center lane of 4 travel lanes. The operator of vehicle #2 hydroplaned out of control on the wet pavement. Operator #2 lost control of her vehicle, which spun out across all travel lanes to the left. Vehicle #2 collided with vehicle #1, which was traveling in the left center lane. Vehicle #2 came to final rest facing the wrong direction against to concrete barrier on left shoulder. NOTE: The weather conditions consisted of overcast with periods of rainfall. Road surface was wet, and slippery. Traffic was moderate, and posted speed limit 55 MPH. Operator #1 (Shelton) stated that she was going with the flow of traffic traveling in the left center lane when she saw the other car spinning out of control. She further stated that she tried to slow down to avoid a collision, but was unable to avoid the collision. Operator #2 (Knight) stated that she was going about 60-65 MPH when she hit her brakes to slow down for the curve in the roadway. Her car suddenly went into a spin and she lost control of her car. PHYSICAL EVIDENCE: Consisted of transfer damage, vehicle #1 sustained moderate damage to right front fender. Vehicle #2 sustained moderate damage to the rear end, which indicated point of impact. vehicle #2 also had black scuff marks to rear Qtr panel that struck right front tire of vehicle #1. Based on this investigation, along with operator statements, and physical evidence. Operator #2 (Knight) was operating her vehicle at a speed in which she was unable to maintain control of her vehicle, which caused her to hydroplane out of control, and caused this collision. Operator #2 was issued an infraction for Traveling Too Fast for Conditions, CGS 14-218a\*. Several passengers in vehicle #1 complained of pain and were transported to Hartford Hospital for treatment.

# Collision Analysis System

## Electronic PR-1 Diagram

### Safety Data System



Hydroplaned  
out of control  
on wet  
pavement