

## 2005 Traffic Records Summary (2/1/2006)

Beginning in late 2003, the Washington Traffic Records Committee (TRC) embarked on a comprehensive planning effort to map out the state's long-term strategic approach for improving traffic records. This planning effort established state goals and objectives with specific strategies to carry out these priorities. Performance measures were also established in order to document the state's progress in achieving established goals.

In 2005, the TRC created a projects portfolio outlining a series of specific projects aimed at carrying out the Committee's strategic goals. The projects portfolio was approved by the TRC and work began on a number of these projects in early 2005. Five were completed or near completion by the end of the year and 3 more will continue through 2006. These three projects are long-term efforts whose development and implementation will continue for the foreseeable future. Attachment A provides a list and summary of these projects.

In addition to the various TRC sponsored projects, the Washington Traffic Safety Commission continued to support the State Traffic Records Coordinator position. This full-time employee acts as chair of the Committee and serves as a coordinator for project planning, implementation, and evaluation. The Traffic Records Coordinator is also responsible for the development and maintenance of the strategic plan and fulfills a variety of other duties associated with plan implementation. TEA-21 Section 411 funds were used to subsidize this position for 2005.

Primary among the projects sponsored by the TRC is the Electronic Traffic Information Processing (eTRIP) Initiative. eTRIP is a series of coordinated projects aimed at creating a seamless and integrated system through which traffic-related information can travel from its point of origin to its end use and analysis. The heart of this undertaking is to eliminate the excessive inefficiencies characteristic of our state's current paper-based process of collecting and exchanging collision reports and citations and infractions. Attachment B provides an overview of the costs and timelines of the projects that make up eTRIP. The TRC saw significant progress with a number of eTRIP projects including:

1. Bar Code Imprinting of Washington Vehicle Registrations
2. Collision Form Revision & accompanying database (CLAS) modifications
3. Statewide Electronic Collision & Ticket Online Records (SECTOR) Application
4. SECTOR Infrastructure at WSP/Local LEA (Funded through SECTION 411 Grants)
5. Web Services architecture design at DOL (Funded through SECTION 411 Grants)
6. Electronic Citations Filing Infrastructure at AOC
7. Service Additions to JINDEX to enable citation/collision exchanges
8. JIN Data Exchange (JINDEX) Information Sharing Platform

2005 marked an important transition for Washington's TRC. It signaled completion of the Committee's initial planning phase and the beginning of strategic plan implementation. 2006 will be an important year for project implementation for the projects of eTRIP and for the WEMISIS project. The TRC will continue to work collaboratively throughout the coming years to implement these projects aimed at enhancing Washington's traffic records system.

[Projects Completed or near completion in 2005](#)

**I. CLAS Module in Mobility Software** – This project will add a CLAS module to Mobility that would enable county engineers to make more informed decisions on traffic safety improvements. This will improve analysis capabilities of statewide collision data for county engineers.

**Project Lead:** County Road Administration Board (CRAB)

**Estimated Cost:** \$25,000 (Funded through SECTION 411 Grants)

**Implementation Schedule:** 10/2005 – 2/2006

**II. TRC Website Project** – The Washington Traffic Records Committee (TRC) is responsible for planning and coordinating traffic records projects to enhance transportation safety throughout the state. The TRC will develop a website to improve communication efforts with stakeholders. The website will provide information about meetings, projects, national and state documents, and standards. The site will be an informational resource to agencies and organizations across the state.

**Project Lead:** Washington Traffic Safety Commission

**Estimated Cost:** \$5,000 (Funded through SECTION 411 Grants)

**Implementation Schedule:** 4/2005 – 8/2005

**III. Electronic County Location Coding Project** – Annually, an estimated 30,000 collision reports require additional location analysis by county engineers. Currently these county engineers are mailed a hardcopy of the collision report along with a County Location Coding Form (CLCF) to more accurately locate collisions occurring on county roads. These engineers must provide additional data and mail the CLCF back to the WSDOT. This project automates this process by sending an electronic notice to county engineers to notify of a collision in their jurisdiction. Engineers will then access a WSDOT internet site and view an electronic image of the collision report. Location analysis will be performed through the site and the additional location analysis will be instantaneously loaded directly into the statewide collision database.

**Project Lead:** Department of Transportation

**Estimated Cost:** \$90,000

**Implementation Schedule:** 1/2005 – 9/2005

**IV. Collision Image Access Project** – This project will develop a collision image viewer to allow agencies who rely on collision data to view electronic images of collision reports. The Washington State Patrol's Commercial Vehicle Division (CVD) will use this product to view collision reports involving commercial vehicles. This collision image viewer will also be used in the Electronic County Location Coding project to provide county engineers access to collision report images. Additionally, the project will provide CVD with a data feed containing collision data for commercial vehicle collisions. This data feed will auto populate the SAFETYNET data system.

**Project Lead:** Department of Transportation

**Estimated Cost:** \$425,000

**Implementation Schedule:** 3/2004 – 10/2005

**V. Collision Data Timeliness Project** – Approximately 140,000 collisions occur on Washington’s roadways each year. Collision reports collected for each of these incidents provide valuable data to various agencies and organizations. The delay from the time of the event until the information is available to consumers averages eight months. This project provides means to allow the Department of Transportation to reduce the current backlog of data entry. Reduction of this backlog will enable collision reports to be entered into the statewide collision database within 60 days of the incident.

**Project Lead:** Department of Transportation

**Estimated Cost:** \$ 420,000

**Implementation Schedule:** 8/2004 – 9/2005

### Projects continuing through 2006

#### **I. Electronic Traffic Information Processing Initiative (eTRIP)**

The eTRIP initiative is a collaborative effort among state and local agencies to create a seamless and integrated system through which traffic-related information can travel from its point of origin to its end use and analysis. The heart of this undertaking is to eliminate the excessive inefficiencies characteristic of our state’s current paper-based process of collecting and exchanging core business information. Initially, eTRIP will develop and implement an automated system that will enable law enforcement agencies (LEA’s) to electronically create tickets and collision reports in the field and transmit this data to authorized users. The eTRIP initiative has been divided into separate projects that will be completed over several phases. Together, these projects will carry out the following three (3) objectives:

1. Support efforts to provide law enforcement officers methods to electronically capture ticket data, collision report data and other data in the field
2. Develop a statewide data exchange network to allow this data to be transmitted electronically to users
3. Prepare agency systems and repositories to receive electronic traffic data

#### eTRIP Projects

**Bar Code Imprinting of Washington Driver Licenses** – Provide needed hardware to licensing agents to issue licenses with bar codes containing license information.

**Project Lead:** Department of Licensing

**Estimated Cost:** \$334,000

**Implementation Schedule:** 9/2001 – 9/2006

**Bar Code Imprinting of Washington Vehicle Registrations** – Provide required hardware to agents and sub-agents to issue vehicle registrations with bar codes containing document-level data.

**Project Lead:** Department of Licensing

**Estimated Cost:** \$750,000

**Implementation Schedule:** 2/2005 – 9/2006

**Collision Form Revision & accompanying database (CLAS) modifications** – Revise the current collision form (PTCR) to provide missing data and more closely adhere to national MMUCC standards.

**Project Lead:** Department of Transportation

**Estimated Cost:** \$175,000

**Implementation Schedule:** 7/2004 – 7/2006

**JIN Data Exchange (JINDEX) Information Sharing Platform** – The Washington Integrated Justice Information Board will enable improved information sharing among agencies by establishing an integration

broker hosted by the Department of Information Services (DIS). JINDEX utilizes Microsoft BizTalk 2004 and functions on existing networks for messaging services.

**Project Lead:** Washington Integrated Justice Information Board

**Estimated Cost:** \$450,000

**Implementation Schedule:** 10/2004 – 4/2006

**Statewide Electronic Collision & Ticket Online Records (SECTOR) Application** – Develop a software application for use by law enforcement agencies statewide to issue citations and create collision reports electronically.

**Project Lead:** Washington State Patrol

**Estimated Cost:** \$350,000

**Implementation Schedule:** 6/2005 – 10/2006

**SECTOR Hardware/Software Infrastructure at WSP/Local LEA** – Acquire and install the necessary hardware and software infrastructure to host the SECTOR software and databases for WSP and local law enforcement.

**Project Lead:** Washington State Patrol

**Estimated Cost:** \$92,000 (Funded through SECTION 411 Grants)

**Implementation Schedule:** 7/2005 – 9/2005

**Web Services architecture design (Citation, Collision) at DOL** – Provide a design architecture, detailed project requirements, and functional specifications for the development of citation and collision web services for the Drivers system.

**Project Lead:** Department of Licensing

**Estimated Cost:** \$20,000 (Funded through SECTION 411 Grants)

**Implementation Schedule:** 8/2005 – 10/2005

**Electronic Citations Filing Infrastructure at AOC** – Implement needed modifications to the Judicial Information System (JIS) and other systems to allow electronically transmitted citations and infractions to be filed within the JIS database.

**Project Lead:** Administrative Office of the Courts

**Estimated Cost:** \$275,000

**Implementation Schedule:** 7/2005 – 2/2006

**Service Additions to JINDEX to enable citation/collision exchanges** – Provides needed infrastructure and services at key agencies and at the JINDEX message broker to enable standards-based messaging among traffic records constituents.

**Project Lead:** Washington Integrated Justice Information Board

**Estimated Cost:** \$300,000

**Implementation Schedule:** 6/2005 – 10/2006

**SECTOR Application/Customer Support (Help Desk)** – Provide necessary personnel and equipment to support statewide customer support for the SECTOR Software.

**Project Lead:** Washington State Patrol

**Estimated Cost:** \$250,000

**Implementation Schedule:** 4/2006 – 7/2007

**Electronic Citations Filing Infrastructure at DOL** – Modify the Department of Licensing Driver system to accept and record electronically transmitted citation data.

**Project Lead:** Department of Licensing

**Estimated Cost:** \$161,000

**Implementation Schedule:** 1/2006 – 9/2006

**Electronic Collision Diagramming Tool for SECTOR Software** – Acquire a statewide license for a diagramming tool for package and statewide release with the SECTOR software application.

**Project Lead:** Washington State Patrol

**Estimated Cost:** \$200,000  
**Implementation Schedule:** 1/2006 – 6/2006

**Hardware Acquisition & Installation at WSP** – Provide 400 Washington State Patrol troopers with the needed hardware to electronically create citations and collision reports.

**Project Lead:** Washington State Patrol  
**Estimated Cost:** \$2,380,000  
**Implementation Schedule:** 3/2006 – 6/2008

**Electronic Collision Filing Infrastructure at DOL** – Modify the Department of Licensing Driver system to accept and record electronically transmitted collision data.

**Project Lead:** Department of Licensing  
**Estimated Cost:** \$98,000  
**Implementation Schedule:** 3/2006 – 9/2006

**Electronic Collision Filing Infrastructure at WSDOT** – Perform needed database modifications to allow the Department of Transportation to accept electronically transmitted collision data into the CLAS database.

**Project Lead:** Department of Transportation  
**Estimated Cost:** \$610,000  
**Implementation Schedule:** 7/2006 – 1/2007

**In-field State Route Graphical Location Reference Tool** – Incorporate an accurate location tool into the Statewide Electronic Collision & Ticket Online Records (SECTOR) Software to allow officers to locate collisions.

**Project Lead:** Department of Transportation  
**Estimated Cost:** \$150,000  
**Implementation Schedule:** 4/2007 – 10/2007

**Records Management Retention Schedule System** – Provide a means by which collision record images that have reached their records retention destroy date are automatically deleted from the Acorde Jukebox.

**Project Lead:** Department of Transportation  
**Estimated Cost:** \$40,000  
**Implementation Schedule:** 1/2008 – 4/2008

**II. Washington EMS Information System (WEMISIS)** – The Washington EMS Information System will capture non-confidential data on all prehospital patient encounters from the 500+ licensed prehospital services in the state. This initiative will establish a standard for prehospital patient care reporting, a DOH repository for collecting and storing the data, and a method that enables prehospital agencies, supervising physicians, regional planners and others to retrieve reports from the dataset.

**Project Lead:** Department of Health  
**Estimated Cost:** \$750,000  
**Implementation Schedule:** 2006-2009

**III. Washington Transportation Framework (WA-Trans)** – The Transportation Framework project will provide a statewide, standards-based method of location for transportation data. This standardized data will be utilized by GIS systems and will include information regarding where all roads, rails, ferry routes and other transportation infrastructure are located. WA-Trans provides an accurate statewide transportation data layer for improved feature and event location.

**Project Lead:** Department of Transportation  
**Estimated Cost:** \$4,000,000  
**Implementation Schedule:** 4/2003 – 4/2009

## Projects scheduled for implementation after 2005

**I. Web-based Citizen Collision Reporting** – The Department of Transportation currently received about 20,000 Vehicle Collision Reports (VCRs) each year. These reports are filed by citizens that have been involved in an uninvestigated collision. Various data from these reports are entered into the CLAS database. This project seeks to automate this process.

**Project Lead:** Department of Transportation

**Estimated Cost:** \$

**Implementation Schedule:** 2009

Attachment B

ID	eTRIP Initiative Projects	Start Date	End Date	Project Costs	2004			2005				2006				2007				2008			
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
1	DOL Bar Code Imprinting of Washington Driver Licenses	9/3/2001	9/1/2006	Funded (\$334,000)	(\$334,000) DOL																		
2	DOL Bar Code Imprinting of Washington Vehicle Registrations	7/1/2004	9/29/2005	Funded (\$750,000)	(\$750,000) DOL																		
3	PTCR revision & accompanying database (CLAS) modifications	7/1/2004	6/30/2006	Partially Funded (\$20,000) need=\$155,000	(\$20,000) WSDOT; \$155,000 WSDOT Block Grant (WTSC/NHTSA)																		
4	JIN Data Exchange (JINDEX) Information Sharing Platform	10/1/2004	4/28/2006	Funded (450,000)	(\$450,000) JIN Board (Office of Justice Programs)																		
5	In-vehicle Ticket & Collision Reporting (SECTOR) Software	10/1/2004	3/1/2006	Funded (\$350,000)	(\$350,000) AOC																		
6	SECTOR Hardware/Software Infrastructure at WSP/Local LEA	7/1/2005	9/30/2005	Funded (\$92,000)	(\$92,000) WTSC (NHTSA)																		
7	Web Services Architecture Design (Citation & Collision) at DOL	8/1/2005	9/30/2005	Funded (\$20,000)	(\$20,000) WTSC (NHTSA)																		
8	Electronic Citations Filing Infrastructure at AOC (JIS)	9/1/2005	2/27/2006	Funded (\$275,000)	(\$275,000) AOC																		
9	Service Additions to JINDEX to enable citation/collision exchanges	9/1/2005	9/29/2006	Partially Funded (\$200,000) Need=\$100,000	(\$200,000) JIN Board (DHS); \$100,000 WTSC (NHTSA)																		
10	SECTOR Application/Customer Support (Help desk)	10/3/2005	6/29/2007	\$250,000	\$100,000 WTSC (NHTSA); \$150,000																		
11	Electronic Citation filing Infrastructure at DOL	1/2/2006	9/28/2006	\$161,000	\$161,000 DOL & WTSC (NHTSA)																		
12	Electronic Collision Diagramming Tool for SECTOR Software	1/2/2006	6/30/2006	\$200,000	\$200,000 WSDOT Block Grant/WTSC (NHTSA)																		
13	Hardware Acquisition & Installation for 400 WSP Troopers	3/1/2006	6/30/2008	\$2,380,000	\$500,000 [WSP Block Grant & WTSC (NHTSA)] & CVARS (WSP/FMCSA); \$1,380,000; \$500,000																		
14	Electronic Collision Filing Infrastructure at DOL	7/3/2006	9/29/2006	\$98,000	\$98,000 WTSC (NHTSA)																		
15	Electronic Collision Filing Infrastructure at WSDOT (CLAS)	7/3/2006	1/3/2007	\$610,000	\$305,000 WSDOT Block Grant (WTSC/NHTSA); \$305,000																		
16	In-field State Route Graphical Location Reference Tool	4/2/2007	10/1/2007	\$150,000	\$150,000 WTSC (NHTSA)																		
17	Records Management Retention Schedule System at WSDOT	1/2/2008	3/27/2008	\$40,000	\$40,000 WTSC (NHTSA)																		
18	<b>Total Cost</b>			\$6,635,000	Prior Expenditures (\$334,000)			FFY 2005 = (\$1,957,000)				FFY 2006 = \$1,819,000 Less (\$200,000) Remaining = \$1,619,000				FFY 2007 = \$1,985,000				FFY 2008 = \$540,000			

(\$ ) = indicates expended and/or allocated funds

\* Potential funding sources indicated below cost estimates