Montana Highway Patrol
Web Based Crash Reporting System

Cal Schock

Montana Highway Patrol

Web Based Crash Report Trainer

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* DOJ / MHP is tasked with the collection and archival of all crash data received within the State.

* Historically, MHP investigations account for approximately 50% of that data.

* The other 50% of the data comes from all the other LEAs

2017 Stats

24,442 crash reports

13,740 MHP (56.21 %)

10,702 Other LEA (43.79 %)
 2880 WebCrash (40 LEA)
 7822 Paper Conversions

Issues

Lack of a MCA or Legislative mandate to require a uniform digital data standard.

90% of the paper reports come from 4 largest contributors with their own RMS.

MHP RMS does not have built in application ability to import outside data.

Issues

Lack of vendor cooperation in the past has been a problem.

Excessive load on MHP RMS database.

Lack of ability to configure/govern LEA data separately from MHP

Issues

Manual entry / handling of paper copies.

Lack of complete data set from conversion copies in database.

MMUCC compliance

SmartCop Proposal

•2 SQL instances:
•MHP PROD – SQL instance

Function:

- CAD, RMS, Mobile Forms, and MCTs will all run on this server
- SQL instance that will house just MHP, MCS and FWP data
- Crash export will run and send crash reports to state repository

PROs

- Reduced database size by removing all other agencies crash, agency and user data
- Information added to databases will come from SmartCOP applications
- Searching in SmartCOP applications will be limited and easier for users
- Ability to require additional crash data elements and not affect Web Crash users
- Invalid MNI records will not be created based on data being directly entered into the backend

CONs

- Unable to view other agencies data. Will need to query the crash repository if want to see local agency crash data.

SmartCop Proposal

Function:

- Web Crash and Crash import tool will run on this server
- Crash import tool will import .XML files from agencies into one location
- Single SQL instance that will truly be a state repository

PROs

- DOJ automated process goes away. All data in entered into the repository through standard means.
- Crash data can be analyzed, queried, and report on however desired without any impact on the public safety operations of MHP, FWC, or MCS.
- The state can set edit rules for crash report data to mandate certain fields in Crash Report. Results in better data integrity.
- Import interface will validate data and reject or approve based on required data elements
- Local agencies and users will be managed from separate database

CONs

- Highway Patrol will not be able to view local agencies' crash data in MCT / Mobile Forms

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