

usRAP Training Session
sponsored by the Roadway Safety Foundation
in cooperation with the Utah Department of Transportation
and the Federal Highway Administration

Salt Lake City Public Library, Conference Room 4
210 East 400 South
Salt Lake City, UT 84111

July 27 and 28, 2016

AGENDA

Wednesday, July 27, 2016

9:00 am – Arrival (Salt Lake City Public Library opens at 9:00 am)

9:30 – 9:40 am

Welcome (Shane Marshall, Utah DOT Deputy Director)

- Welcome to Utah on behalf of the Utah DOT

9:40 – 9:50 am

Introductions

- Introduction of instructors and training course participants

9:50 – 10:20 am

usRAP Overview (Doug Harwood)

- History of RAP programs and establishment of usRAP
- Role of iRAP
- usRAP protocols
- Focus of this training course: detailed review of safer roads investment plans and usRAP ViDA software
- What you will learn in this training course

10:20 – 10:50 am

Utah DOT Experience with usRAP (Scott Jones, UDOT)

- UDOT statewide implementation of usRAP ViDA software for the state highway system
- Pilot study for Utah counties

10:50 – 11:20 am Coffee Break

11:20 am – 12:00 pm

usRAP ViDA Software Overview (Doug Harwood)

- Purpose of usRAP ViDA software
- Who can benefit from usRAP ViDA software
- Star rating protocol
- Safer roads investment plan protocol

- Example of usRAP ViDA input file
- Software demonstration
- Software licensing/accreditation to use usRAP ViDA

12:00 – 1:00 pm Lunch

1:00 – 1:45 pm
usRAP ViDA Software Demonstration (Doug Harwood)

1:45 – 2:30 pm
usRAP ViDA Data Acquisition Procedures (Reg Souleyrette)

- Examples of usRAP Tools data acquisition (tablet, purpose-built van, portable camera with GPS capability, highway agency videolog, Google Street View, others)
- Data acquisition challenges
- Data coding software
- Spreadsheet-based tool for data coding from Google Street View
- Training of data coders
- Productivity of data coders

2:30 – 3:00 pm Coffee Break

3:00 – 5:00 pm
usRAP ViDA Data Coding Manual (Doug Harwood and Reg Souleyrette)

- Overview of coding procedures
- Coding procedures for each data element

5:00 pm Adjourn for first day

Thursday, July 28, 2016

9:00 am Arrival (Salt Lake City Public Library opens at 9:00 am)

9:30 – 10:15 am
usRAP ViDA Data Management/Quality Assurance (Reg Souleyrette)

- QA review during the coding process
- QA review after the coding process
- Pre-processing of data prior to analysis

10:15 am – 10:45 am
Using the usRAP ViDA Software (Doug Harwood)

- Setting up software for analysis of a road network
- Uploading data for analysis
- Calibration
- Detailed review of each output report

- Use of download files
- Development of countermeasure programs (how usRAP ViDA results should be used)
- External mapping

10:45 – 11:15 am Coffee Break

11:15 am – 12:00 pm
Using the usRAP ViDA Software (continued)

12:00 – 12:45 pm
Practical Considerations in Conducting usRAP Studies

- Discussion

12:45 – 1:00 pm
Wrap Up/Adjournment (All)

1:00 pm Adjourn for second day