

### Locals RSA

**Training** 

Assistance

- Team Organization
- Peer to Peer
- Tools

**Implementation** 

Case Studies

**Evaluation** 

Future

# Locals RSA Training





## Locals RSA Training





### Field Review







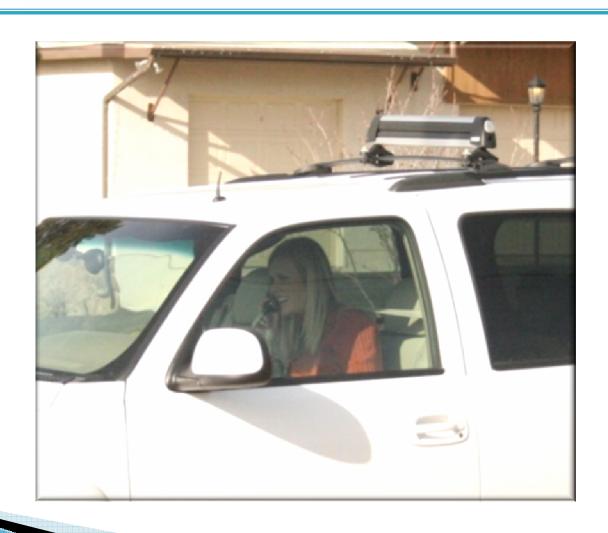
# Exceptions



## Pedestrian

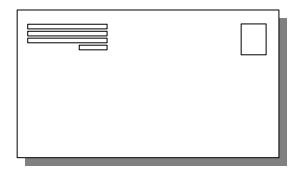


### Distracted Drivers



#### Assistance

Developed mailing list of trained RSA Locals



Facilitate
organization of
teams for locals
requesting audits

- Agency provides preliminary studies and pertinent information
- · Agency provides lunch
- · FHWA Peer to Peer program used

# Tools Safety Software Suite

Royalty Free

G. Stuart Thompson
Principal Investigator

Jeff Spaulding Programmer

Funded by FHWA, DPS, UDOT

#### Modules

Road Safety Audits

Crash Analysis

Intersections

Sign Management

**GPS** Tracking

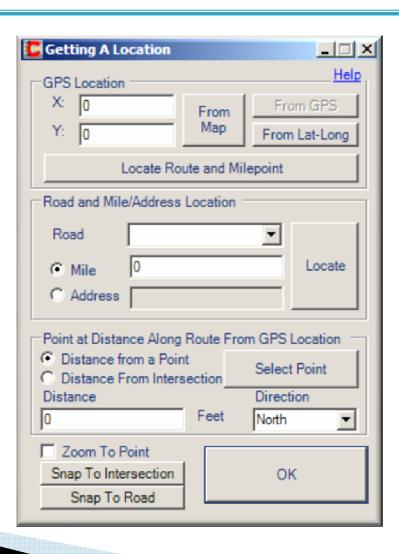
**Photo Logging** 

ADA - Prioritizing Curb Ramps

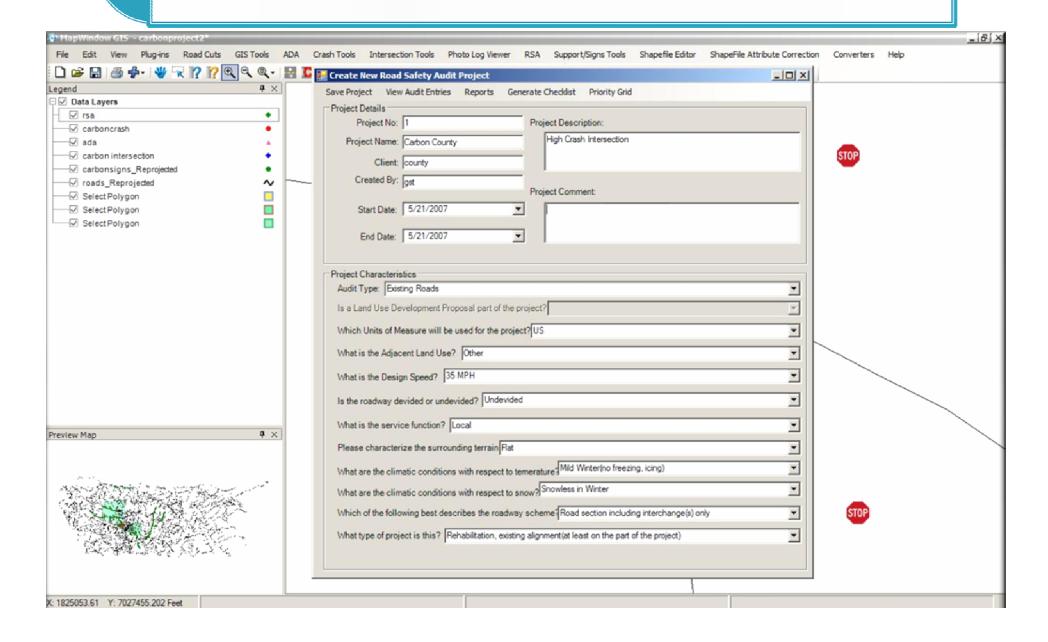
Notes

Roadside Devices - Evaluation

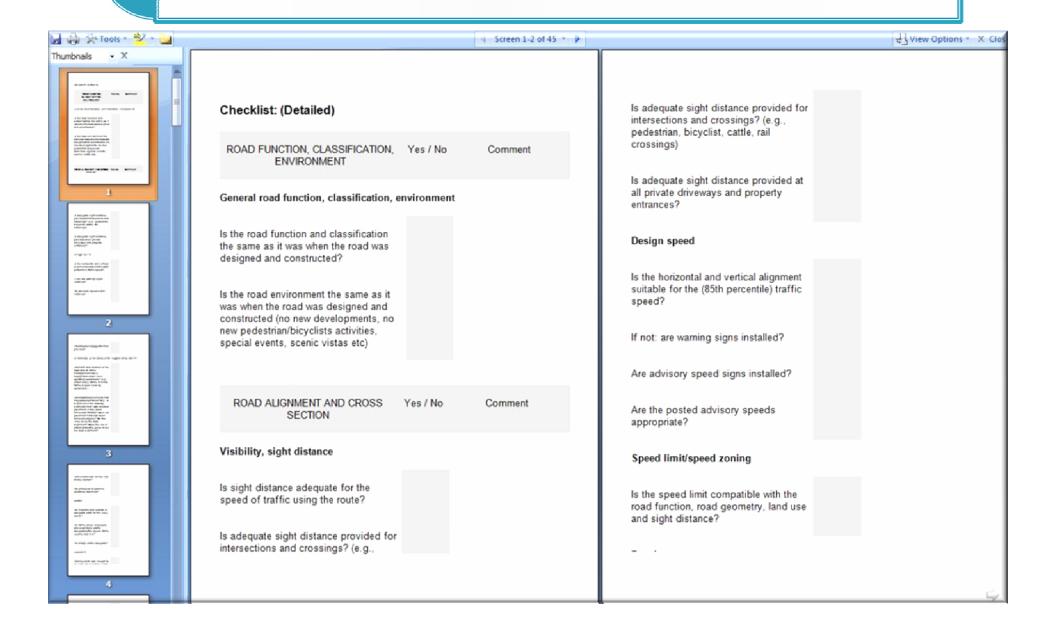
### **Location Tool**



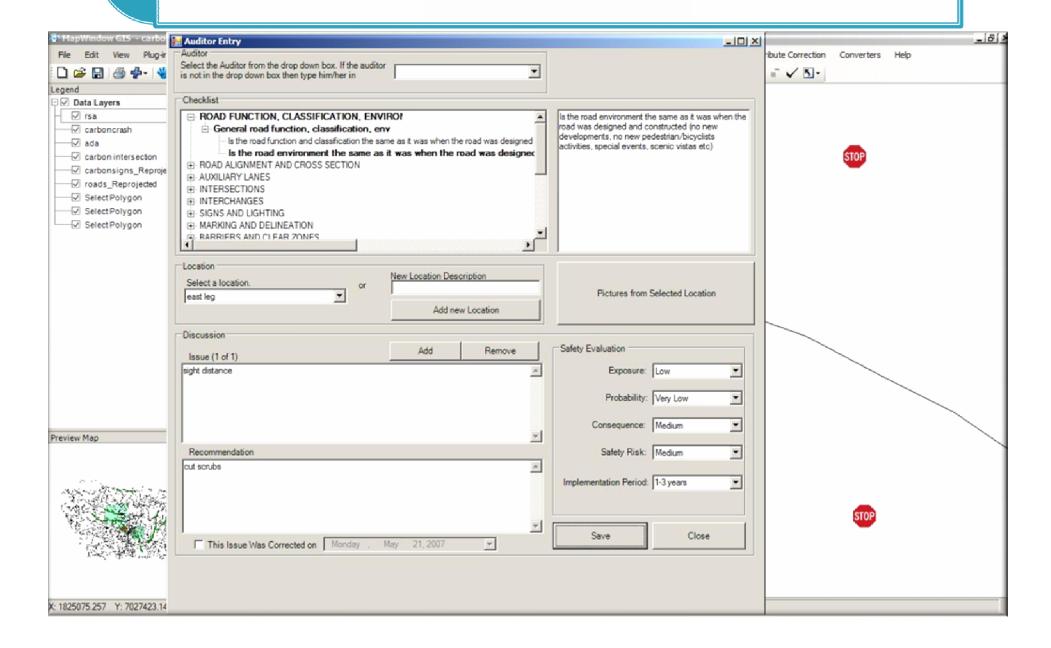
#### RSA - Project Description



### RSA - Checklist



#### Issues



### Report

Save

Report

#### INDIVIDUAL LOCATION AUDIT SUMMARY: east leg

5/21/2007

**Project Title: Carbon County** 

Date: 5/21/2007 Auditors: ,

ROAD FUNCTION, CLASSIFICATION, ENVIRONMENT

General road function, classification, environment

Location: east leg (1825075, 7027423) 1550 W 1.07856350178555

Description of Safety Issue: sight distance

Exposure: Low, Probability: Very Low, Consequence: Medium, Safety Risk: Medium

Recommendation: cut scrubs

#### Pictures of project location(s):

east leg



### Crash Analysis

# Crash analysis

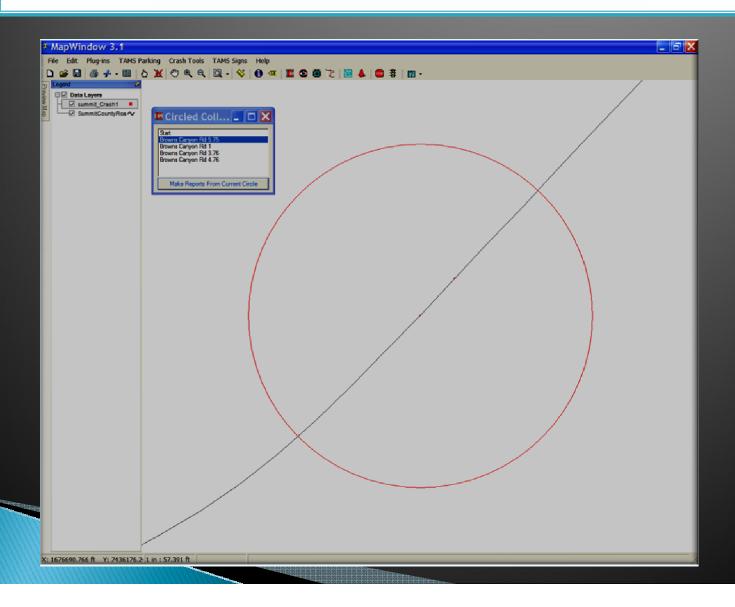
- Collision Density
- · High crash location along route
  - Spot & Strip
- · Intersection analysis

### Reporting

- · Query based on attributes
- Export in text
- Generation of graphs



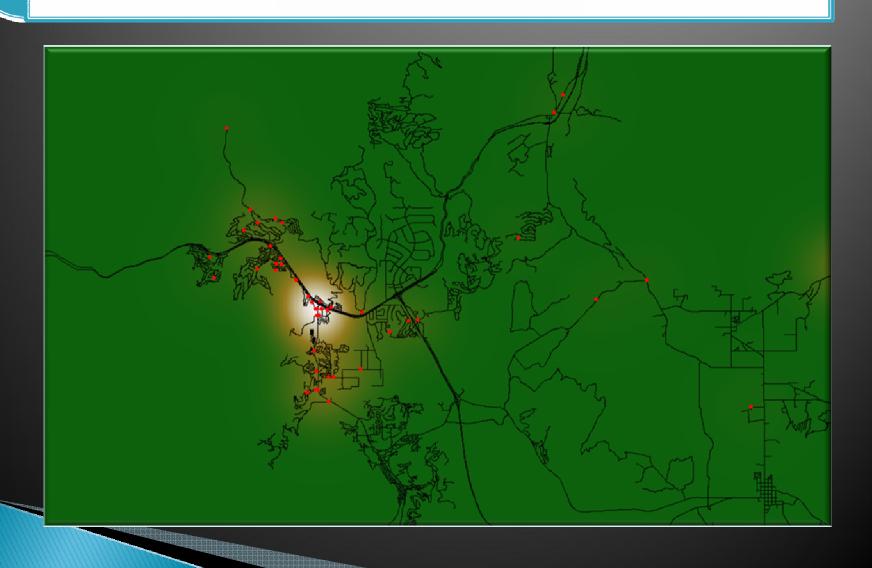
# Circle Regions



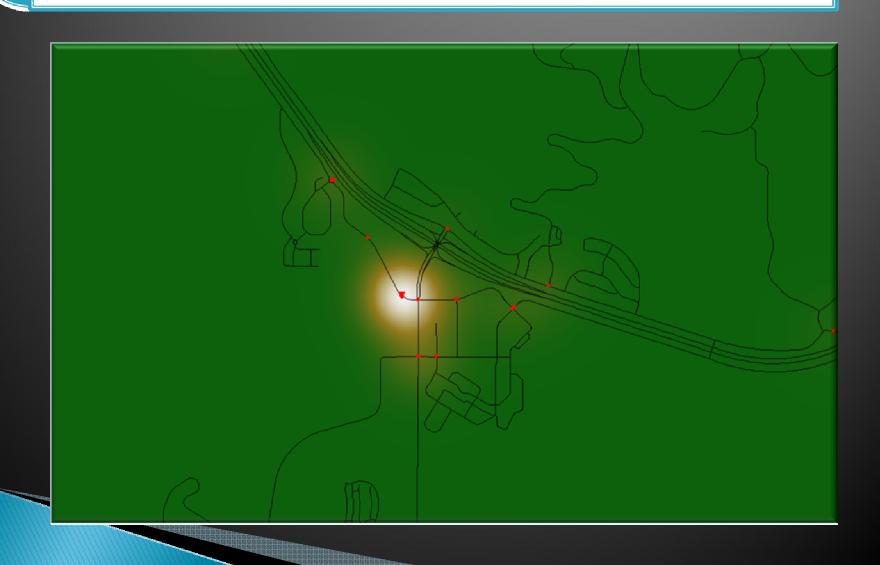
# Strip Analysis



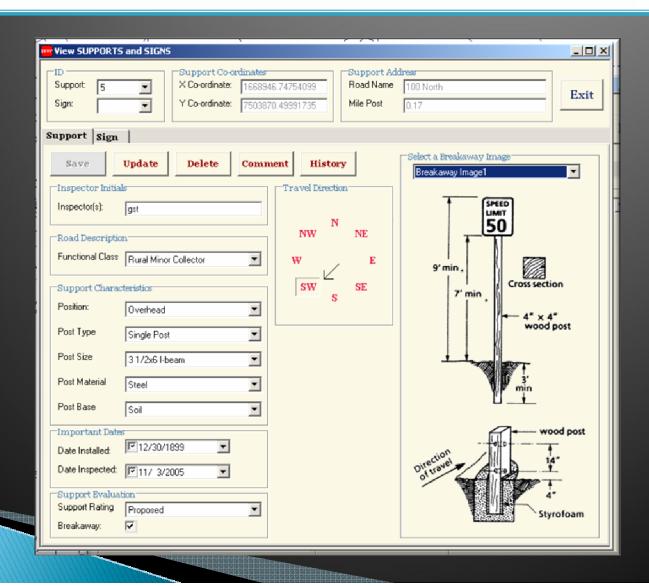
# Density



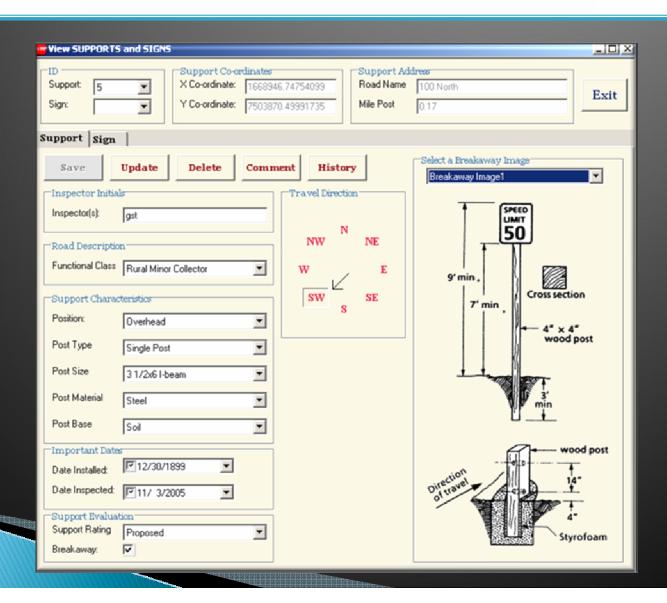
# Density



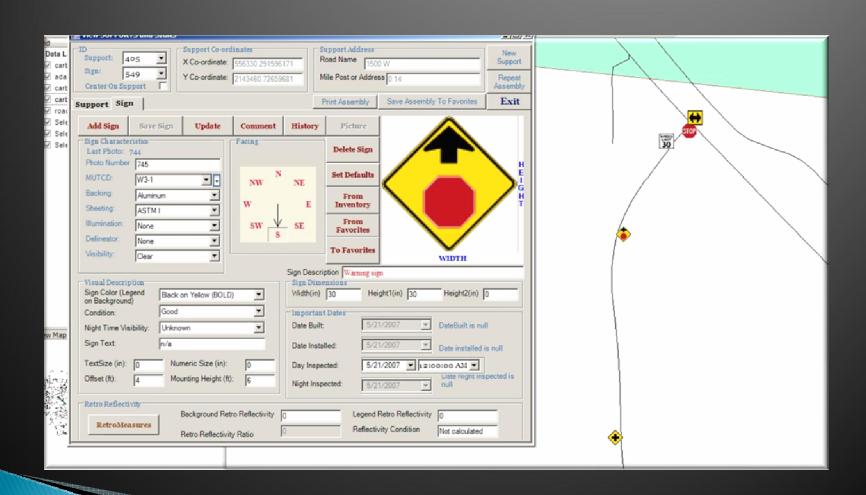
### Sign Management

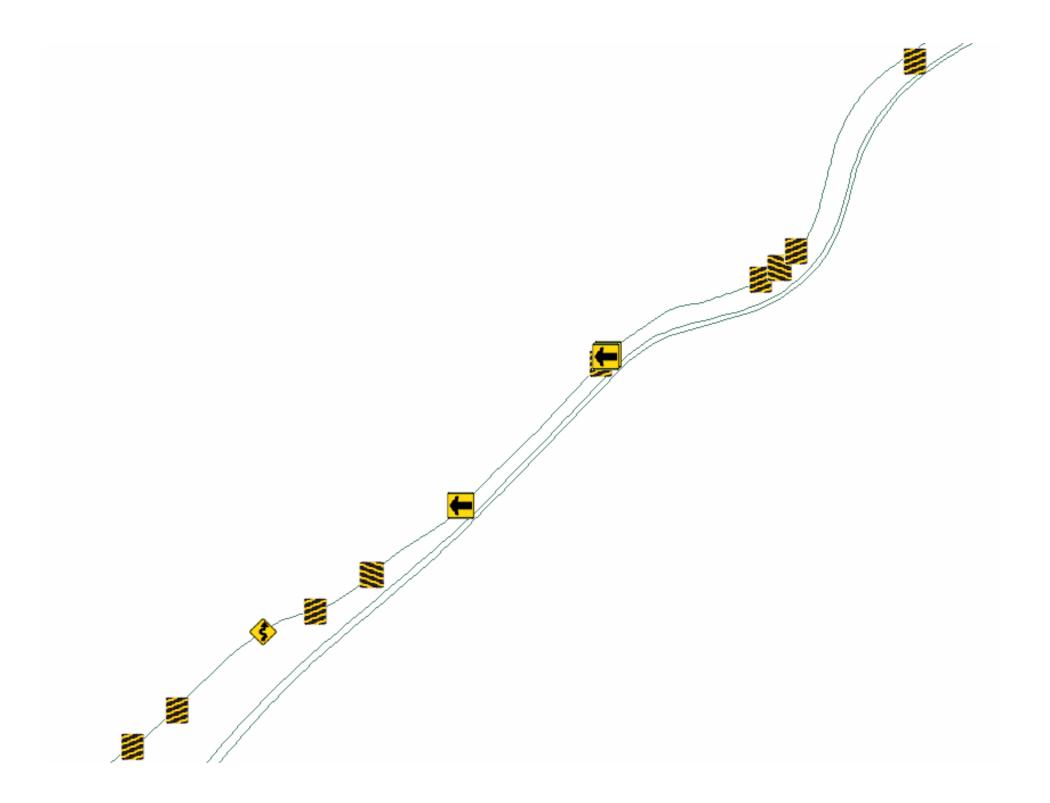


### Sign Attributes

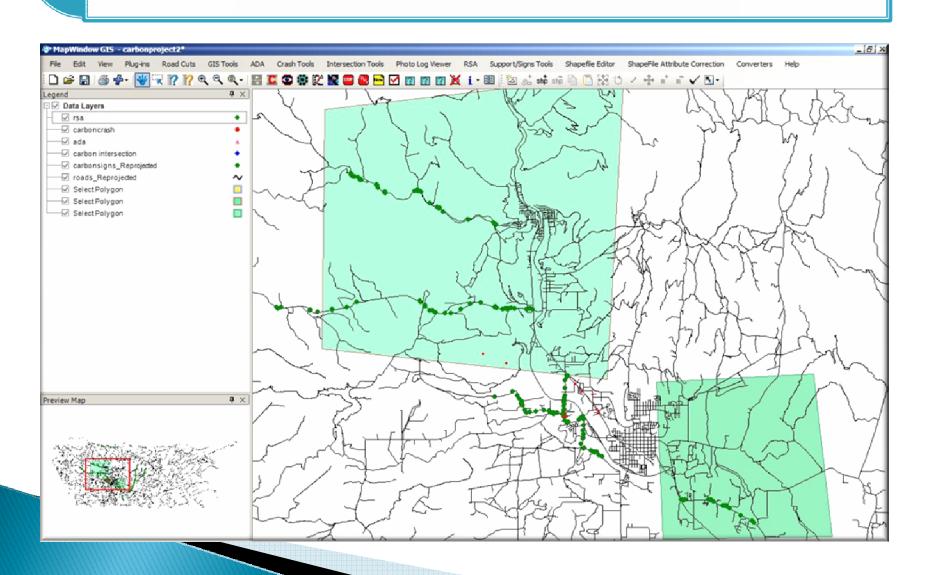


## Signs



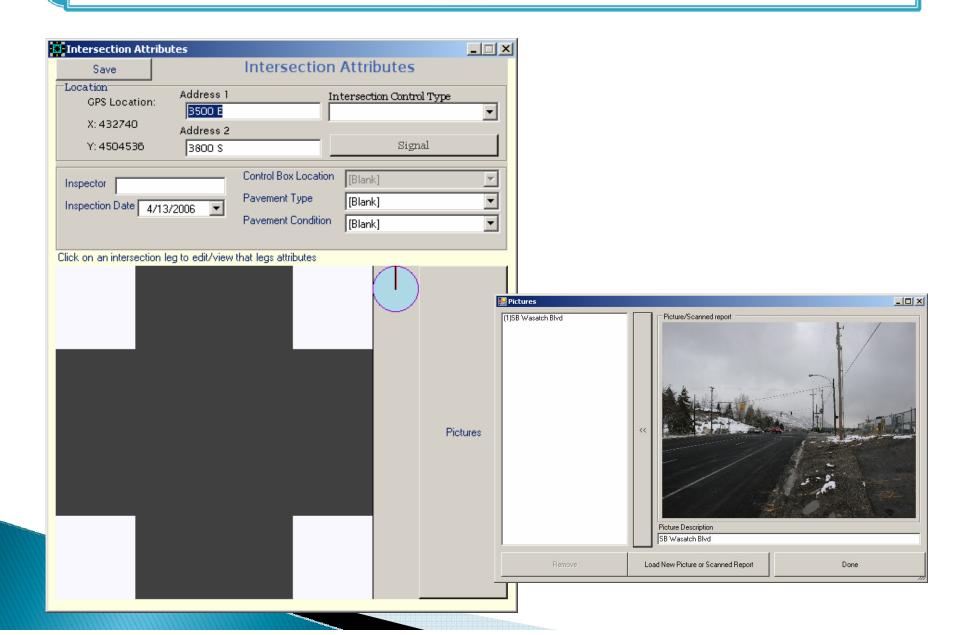


### Polygon Query

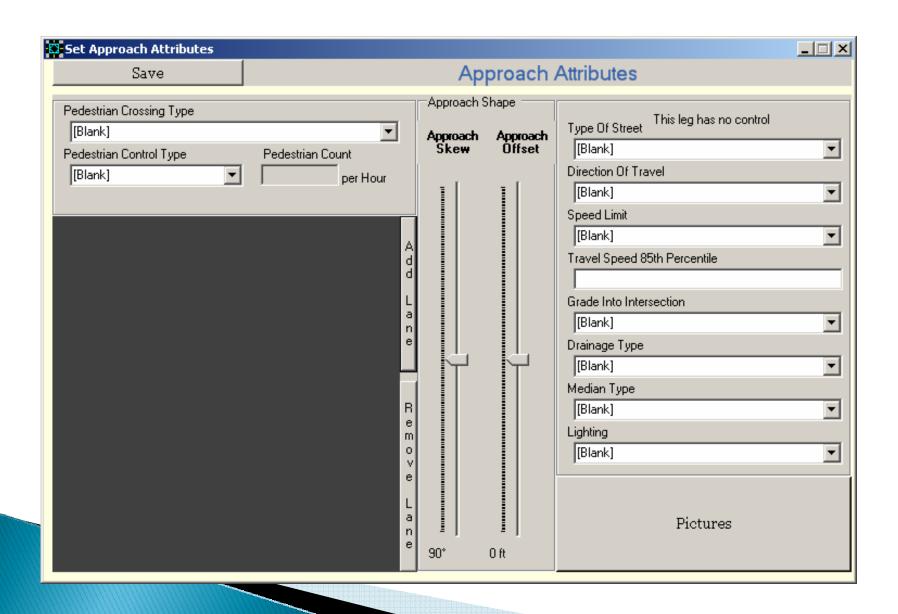


# Intersection Analysis

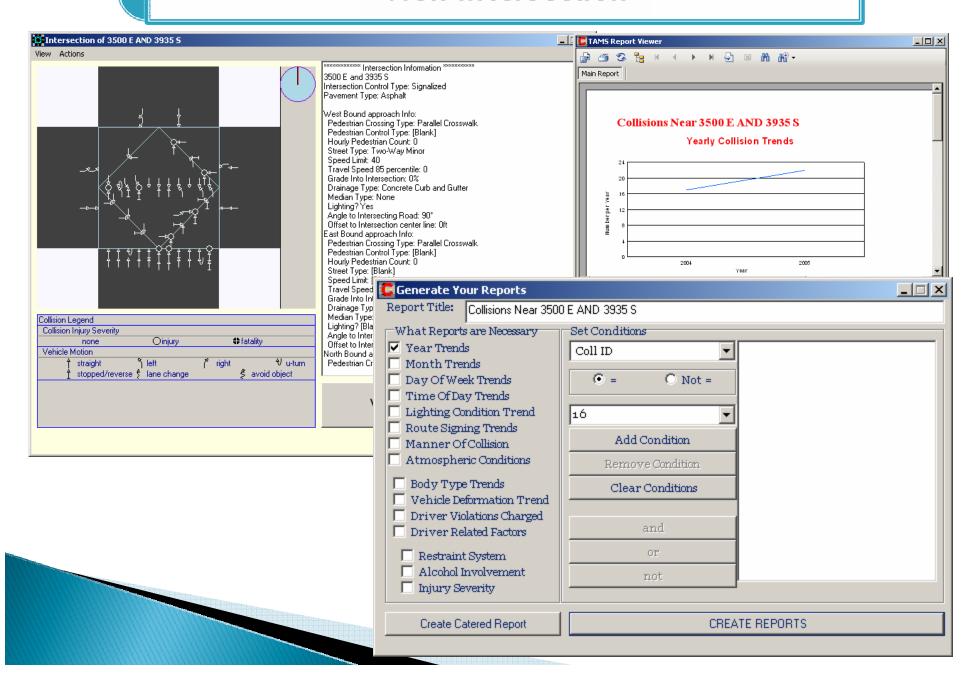
#### Add Intersection - Attribute Intersection



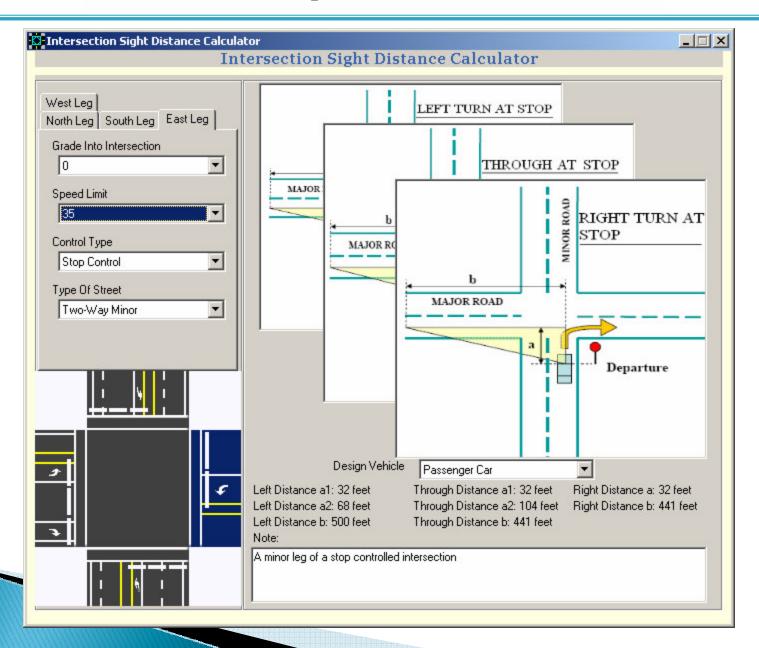
#### Add Intersection - Attribute Approach



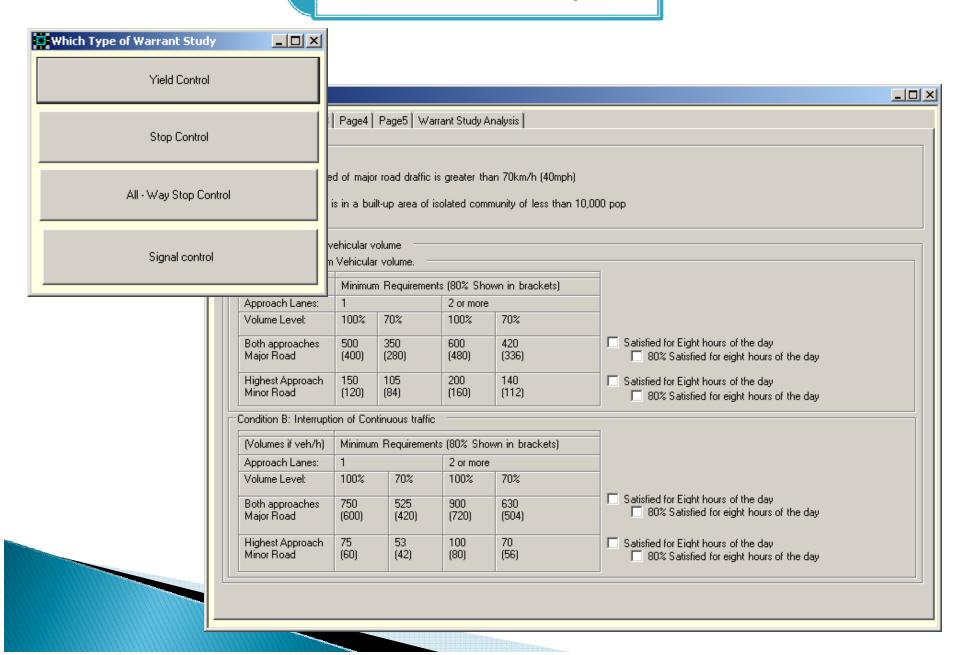
#### View Intersection



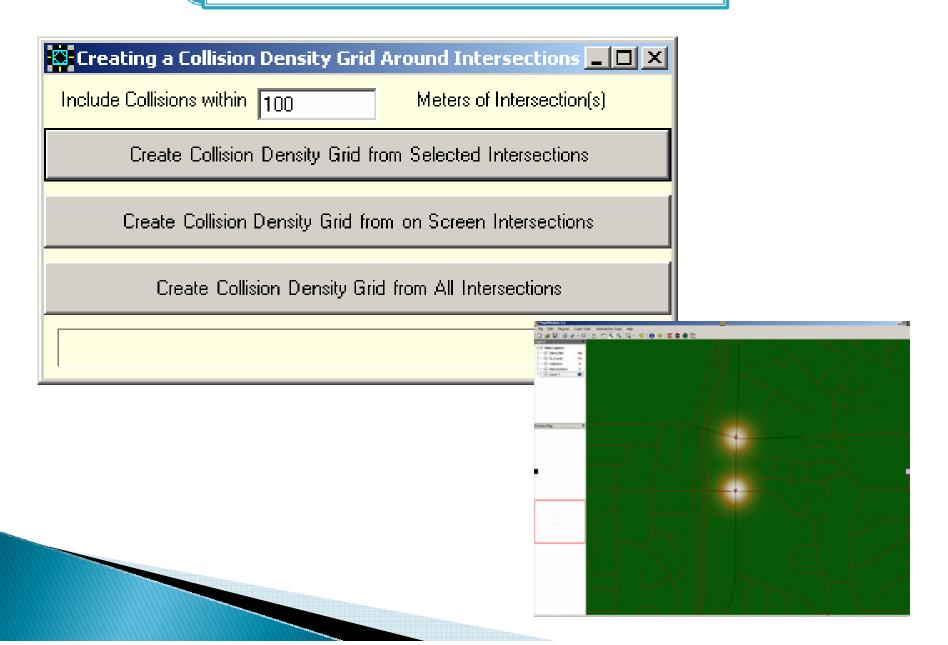
#### Intersection Sight Distance Calculator



#### Warrant Study



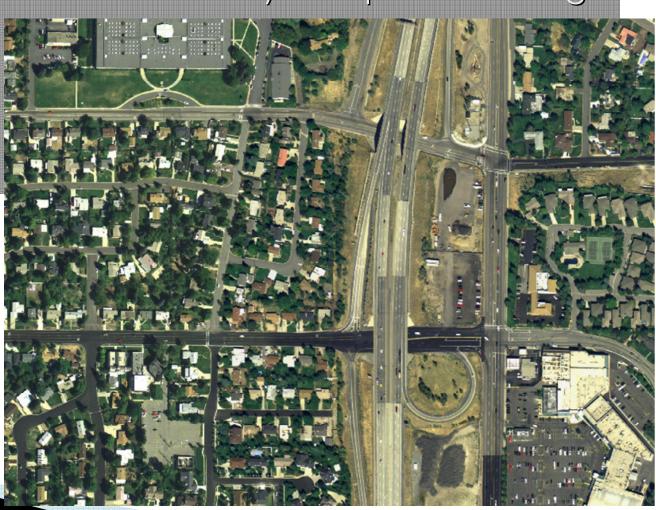
#### Construct Density Grid



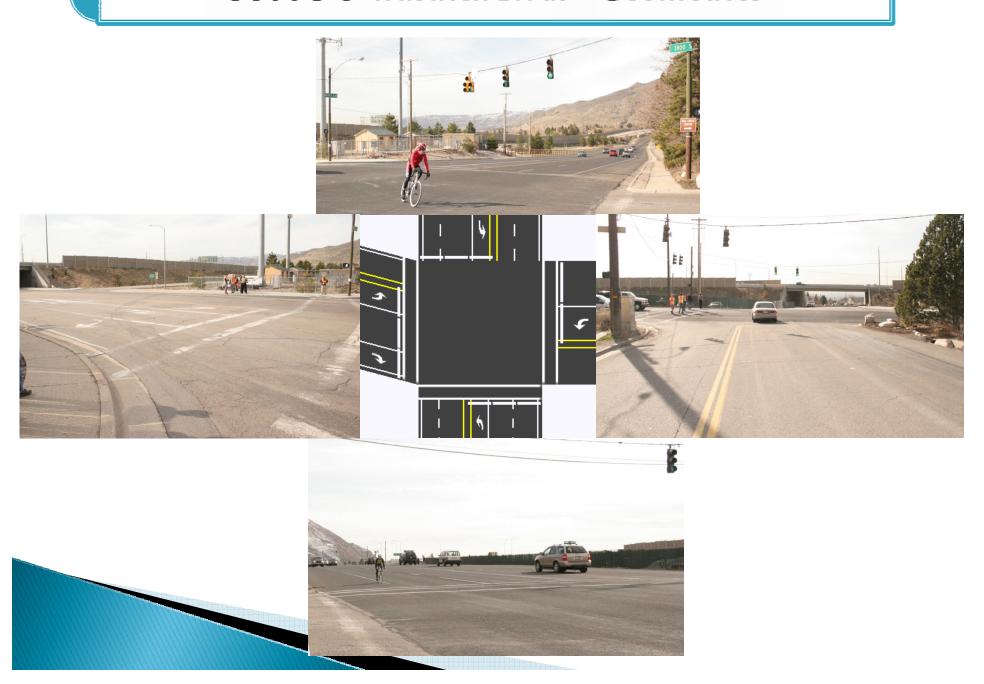
#### Case Study – 3800 S & 3900 S @ Wasatch Blvd.

#### Andrea Pullos – Salt Lake County Transportation Mngr.

- Geometrics
- Operations
- Crash Data (2003-2005)



#### 3800 S @ Wasatch Blvd. - Geometrics



#### 3900 S @ Wasatch Blvd. – Geometrics

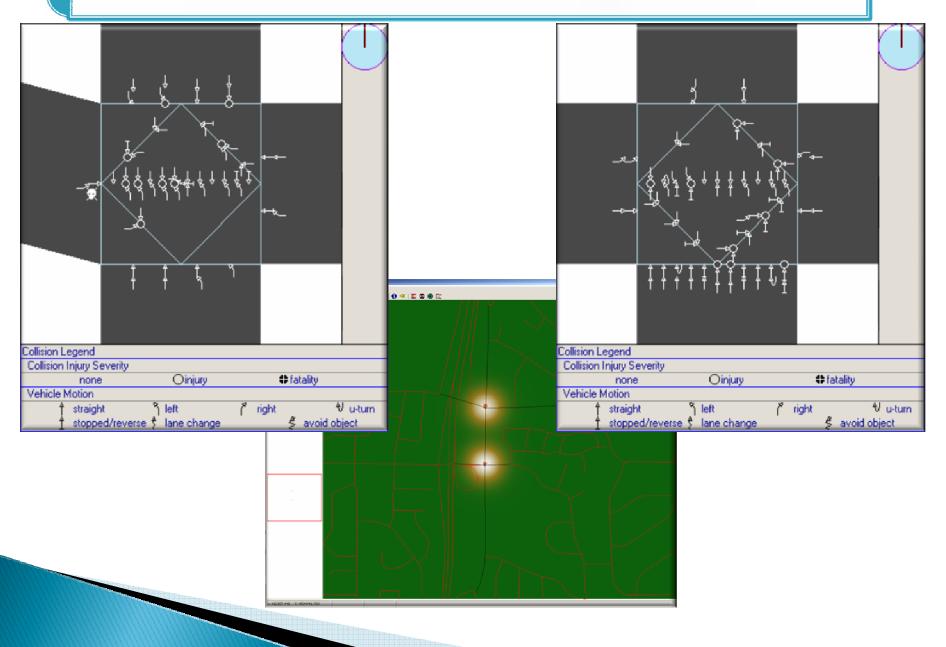


#### 3800 S & 3900 S @ Wasatch Blvd. - Operations

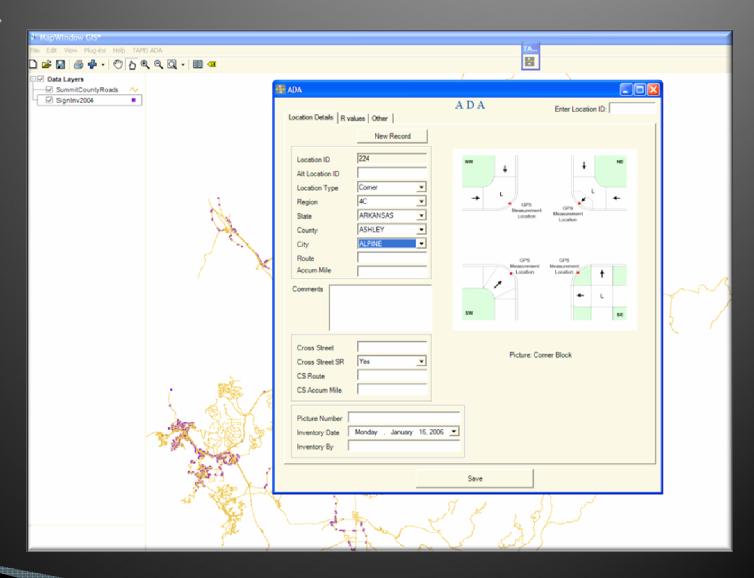


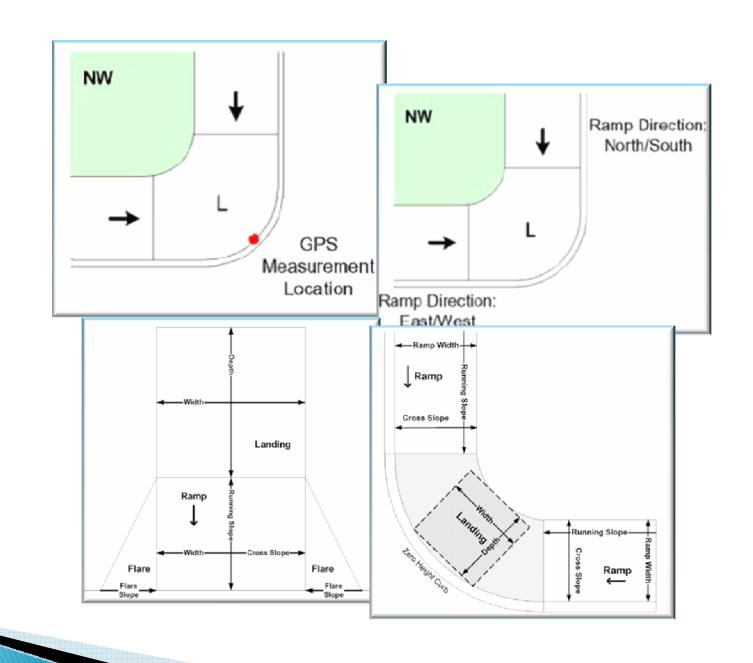
8 hour/24 hour/AM Peak/PM Peak

#### 3800 S & 3900 S @ Wasatch Blvd. - Collisions

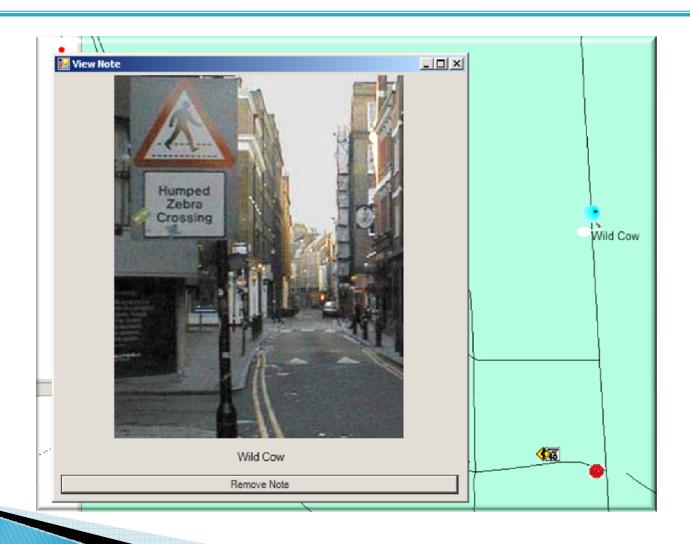


### **ADA**





### Note



### Questions.....



# Thanks stuart@cc.usu.edu

waylon.engr.usu.edu