Wyoming's Enhanced Citizen Assisted Reporting (ECAR) - Expansion

Dean Deeter

Athey Creek Consultants

North/West Passage

Topics

- Introduce North/West Passage Program

- Summary of ECAR

- ECAR Expansion Project

- Planned Activities

North/West Passage Pooled Fund

- Encompasses eight states along I-90/I-94 between Washington and Wisconsin
- Transportation Pooled Fund (TPF) study formally established in 2003
  - Minnesota is the administrative state

Program Goals:

– Integrated Traveler Information Systems

– Coordinated Maintenance Operations

http://www.nwpassage.info

Wyoming DOT Initiative:

- Citizens Report Driving Conditions

4 Key Aspects of ECAR:

1. Recruiting

2. Training

3. Reporting

4. Entry & Dissemination

Wyoming's Experience with ECAR:

1. Considerable Number of Reports

2. Very Accurate & Reliable

North/West Passage Project:

- Explore the Feasibility of Expanding ECAR:

    - Across the Corridor?

    - Additional Functions?

North/West Passage Project:

- Shared WYDOT's Approach in a Webinar & Follow-up Report

- Research Any Issues or Concerns

- Research Options for Expansion

Concerns Expressed by Webinar Attendees

- Staffing / Scalability Concerns?

- Additional Reports Beyond Driving Conditions?

- Liability Issues?

- Gaining DOT Support (Internally)?

Explore Options for Expanding ECAR, either:

- To Other NWP States (or Entire Corridor)

- Within Wyoming – Adding Functionality

1. Web Entry Tool for Citizens (Desktop or Mobile)

2. Social Media "Crowd-sourcing" Tools (e.g. Twitter)

Citizen Web Entry Tool

1. Much Like Condition Reporting Systems in NWP Member States

2. Only Trained & Authorized Citizens Can Log in and Enter

3. Reduce or Eliminate Need for Phone Reports

4. Can Still Mandate & Review the Information Entered

Crowd-Sourcing:

"…Enlisting a general 'crowd' of unspecified individuals to offer their input to a process."
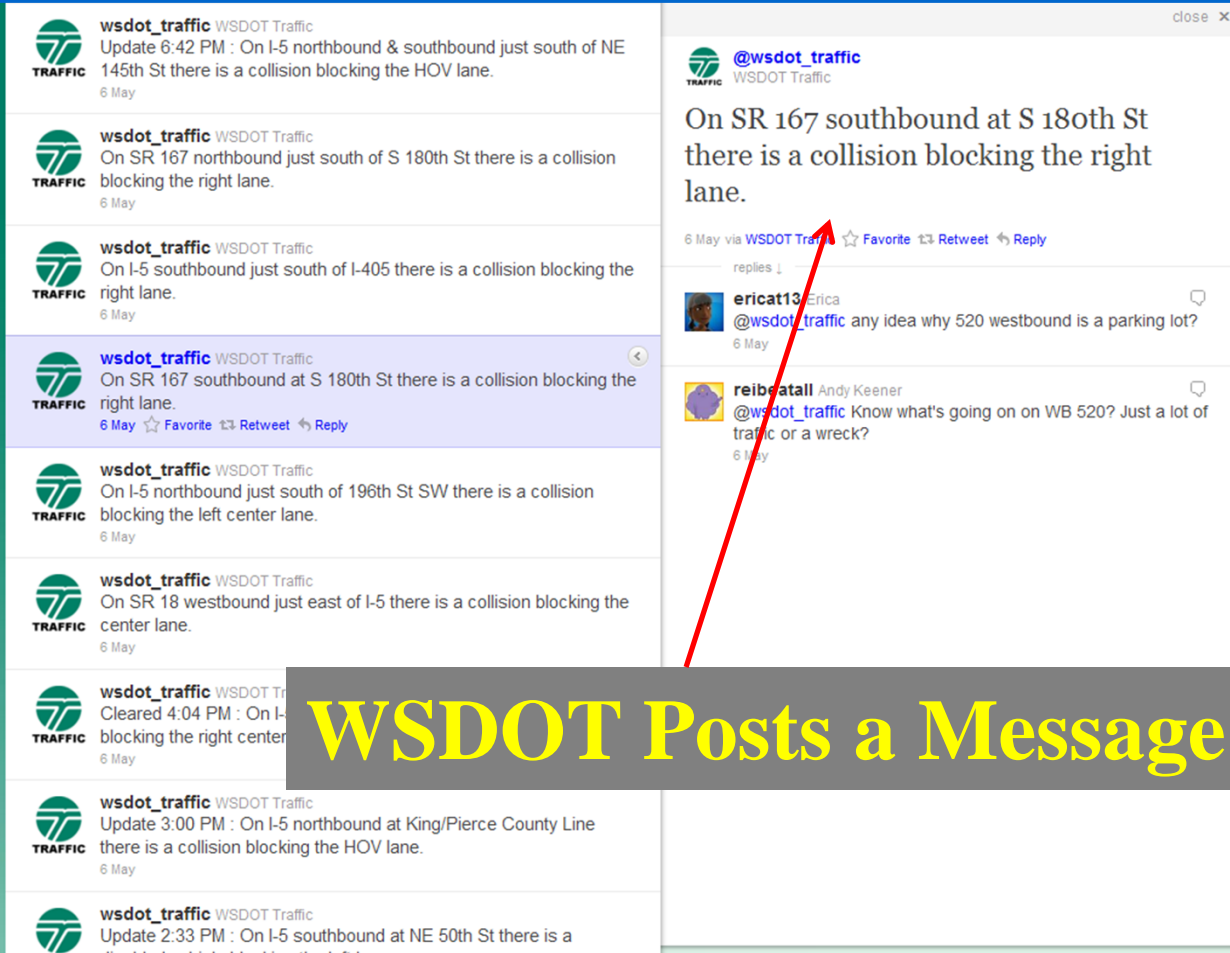
Examples:

Twitter and Facebook.

NWP States' Twitter Accounts

- MDT   778 Followers

- Mn/DOT   2598 Followers

- ITD   1,219 Followers

- WSDOT   6766 Followers

Twitter

WSDOT Posts a Message

Twitter

Citizen Comments on Traffic

6 May

wsdot_traffic WSDOT Traffic
Update 6:42 PM : On I-5 northbound & southbound just south of NE
145th St there is a collision blocking the HOV lane.
6 May

wsdot_traffic WSDOT Traffic
On SR 167 northbound just south of S 180th St there is a collision

@wsdot_traffic
WSDOT Traffic

On SR 167 southbound at S 180th St
there is a collision blocking the right

close ✕

520 westbound is a parking lot?

going on on WB 520? Just a lot of

close ✕

@wsdot_traffic
WSDOT Traffic

On SR 167 southbound at S 180th St
there is a collision blocking the right
lane.

6 May via WSDOT Traffic ☆ Favorite ⇄ Retweet ↩ Reply

replies ↓

ericat13 Erica
@wsdot_traffic any idea why 520 westbound is a parking lot?
6 May

reibeatall Andy Keener
@wsdot_traffic Know what's going on on WB 520? Just a lot of
traffic or a wreck?
6 May

2012 Planned Project
ECAR – Phase 2

1. Wy/DOT Plans to Add Web Entry Tool for Trained Citizen Reporters

2. Wy/DOT Web Entry Tool Will Output Data using XML

3. Idaho (ITD) Will Recruit & Train Citizens to Use Web Entry

4. ITD to Implement ECAR Web Entry Tool
   – Some Citizens Will Enter Conditions Across border
   – Idaho Events Ingested into ITD Condition Reporting System / Verified by Staff

   – Idaho Events Entered by Citizens to Reach Travelers through ITD 511 and Web Dissemination

Project Goals:

- Understand Citizens' Reactions to Web Entry
- Introduce ECAR to a New NWP State
- Encourage Citizens Entering Across State Borders

1. DOT Entry of Events (As done now)

2. Events Entered and Posted to Websites

3. Travelers May Comment on DOT Entered Events

Recruited / Trained Travelers or

Any Travelers

North/West **Passage** 90 94

North/West **Passage** 90 94 **511**

Home   CVO Restrictions   Truck Stops   Rest Areas   About   Feedback   Contact Us

Welcome to the North/West Passage Corridor Traveler Information Website. Click on the blue dots below to view current camera images and weather conditions at key locations along the corridor. Click on the yellow icons to view incidents along the corridor. Or, click on a state for a closer view with more information. Please let us know if you have any suggestions on improving this website by taking a short survey.

WASHINGTON

MONTANA

NORTH DAKOTA

MINNESOTA

WISCONSIN

IDAHO

WYOMING

SOUTH DAKOTA

Use of Blog-enabled Websites

Roadwork on I-94 at Exit 75, paving operations until 5:00 PM May 18, 2011. Expect lane closures and delays. Source: WSDOT

Citizen Comment: Just passed this site and the right lane is closed, we were delayed 20 minutes. Source: unverified citizen. 10:15am 5/18/2011

Summary

#1: Expansion of ECAR in Wyoming

- Wy/DOT Development

#2: New ECAR Deployment in Idaho

- ITD Development
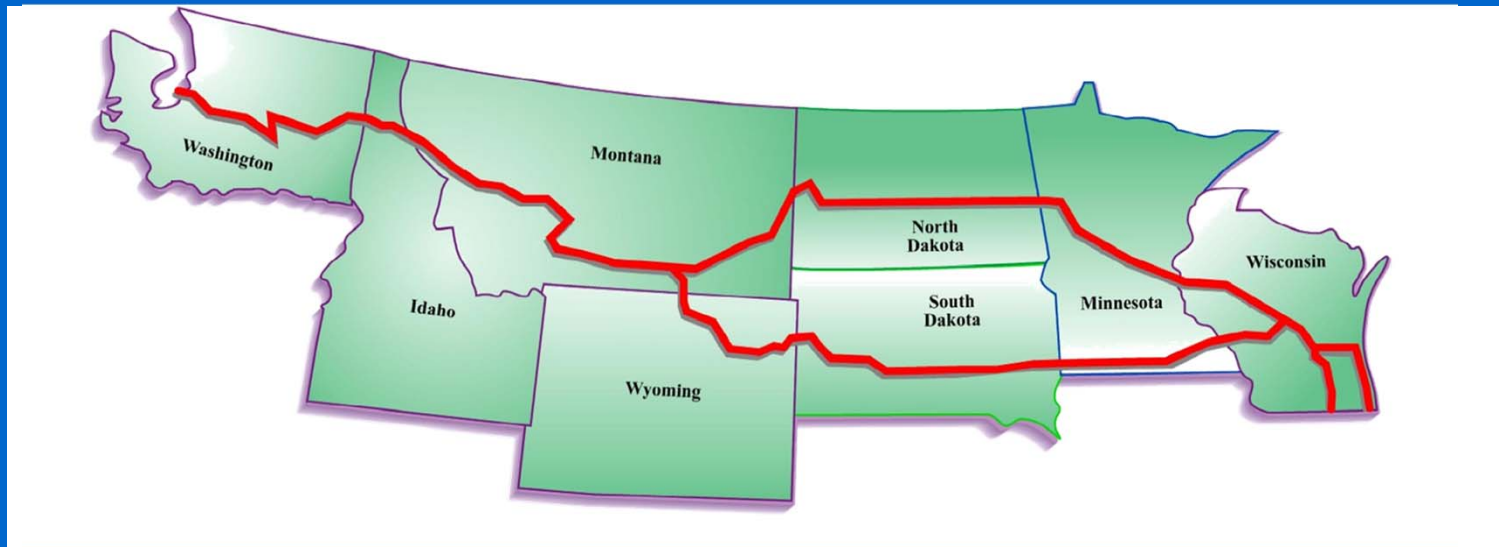
#3: Possible Citizen Additions to DOT Entries

- Still Being Discussed

Contact Information

Project Champion

Vince Garcia
Wyoming DOT
Vince.garcia@wyo.gov

Dean Deeter
Athey Creek Consultants
deeter@acconsultants.org

www.nwpassage.info