UNITED STATES
DEPARTMENT OF TRANSPORTATION

# 2011 Enhancements to the ITS Knowledge Resources Websites

## Improving Access to Information on ITS Benefits, Costs, Lessons Learned and Deployment.

T3 Webinar – June 23, 2011


Marcia Pincus, Program Manager, ITS Joint Program Office at USDOT

Greg Hatcher, Manager, Transportation Systems Mission Area, Noblis

Cheryl Lowrance, Principal Intelligent Transportation Systems Engineer, Noblis

James Bunch, Senior Principal Intelligent Transportation Systems Engineer, Noblis

# Introduction

Marcia Pincus,
ITS-JPO

# ITS Knowledge Resources

- Part of the Evaluation Program
- A comprehensive source for informed decision making
- Over 15 years of information about the benefits, costs, lessons learned, and deployment status of ITS.

# Agenda

This webinar will be an interactive demonstration that introduces the Knowledge Resources portal and newly redesigned websites and highlights the new features, including sample unit costs, mapping, and user ratings.

| Topic | Presenter |
|---|---|
| Introduction | Marcia Pincus |
| New Knowledge Resources Home Page (Portal) | Greg Hatcher |
| Benefits, Lessons, and Costs Tour | Cheryl Lowrance |
| New Mapping feature | Jim Bunch |
| Q&A | All |

# Learning Objectives

- Participants will learn:
  - How to navigate the ITS Knowledge Resources Portal and websites to find information on ITS costs, benefits and lessons learned.
  - How the ITS Knowledge Resources can help stakeholders make informed decisions in planning, deployment, operations, and maintenance of ITS.
  - About new website features

# Knowledge Resources Home Page/Portal

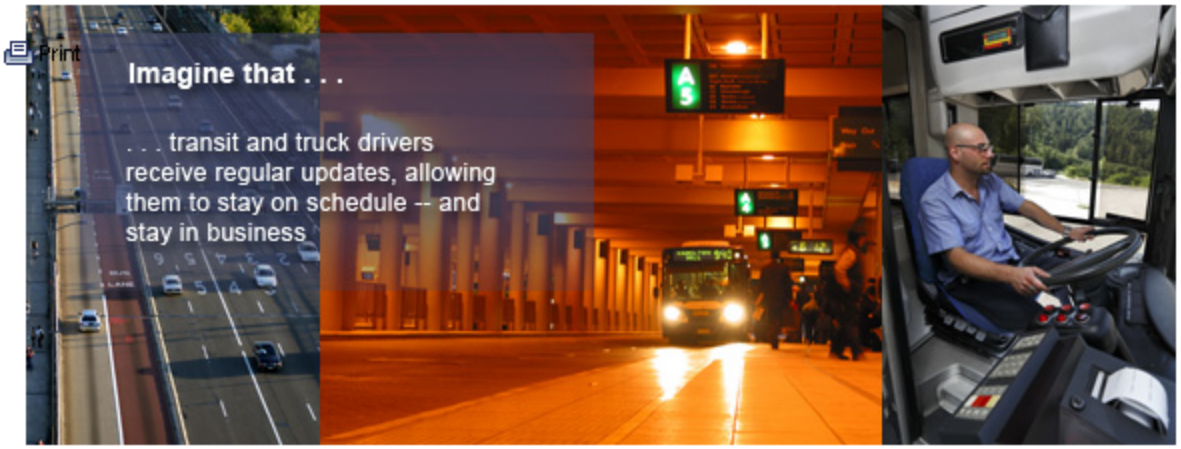
Greg Hatcher,
Noblis

# Intelligent Transportation Systems Joint Program Office

Updated June 1, 2011 10:56 AM

Like 13






1 2 3 4 5 6 7 >

**Shelley J. Row, P.E., PTOE**
**Director**
ITS Joint Program Office

Biography

## Procurement Opportunities

As we implement the ITS Research Strategic Plan, open procurements may become available through a variety of solicitations. More >>

## Public Meetings

View >>

**RITA Administrator Peter Appel Welcomes Shelley Row Back to the ITS JPO in an Open Letter to Stakeholders**
U.S. Department of Transportation and RITA welcomes back Shelley Row. **Read more...**

Spotlight

- ITS JPO hosts Public Meeting and Webinar to Discuss New AERIS Applications 6/1/11
- U.S. DOT Seeks Comments on National ITS Architecture 5/24/11
- Dale Thompson Joins the Team at ITS JPO 5/24/11

More News>>

## Our Current Research

Applications | Mode-Specific | Cross-Cutting

- Vehicle-to-Vehicle Safety
- Vehicle-to-Infrastructure Safety
- Real-Time Data Capture
- Dynamic Mobility Applications
- Environment
- Road Weather

More >>

## ITS Video Challenge

Grab your camera and share the story of your community's ITS deployment.

>> Official Rules

## Stay Connected

Facebook | Twitter | Email | RSS

Share

# Portal Usability Exercise

**Please find and jot down the answers to these 3 questions, beginning each time on the KR home page: (use home icon under Quicklinks to return to KR home page)**

1. How many unique benefits summaries are captured in your home state, or a neighboring state?

2. How many unique lessons are categorized as Management and Operations?

3. How many total benefits, costs, and lessons learned summaries are available within the KR databases for the topic CCTV?

[Hint, the number of unique summaries is often captured in the top blue bar of the result]

**[If you have extra time, please click around and check out the KR portal page and its many links.]**

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3. How many total benefits, costs, and lessons learned summaries are available within the KR databases for the topic CCTV? 350

[Hint, the number of unique summaries is often captured in the top blue bar of the result]

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# Benefits, Costs and Lessons Tours

Cheryl Lowrance,
Noblis

# Tour: Benefits

- Content:
  - Provide summary of source document
  - Direct link to source document
  - Provide methodology
  - Provide results, findings, performance impacts, conclusions, etc.
    - Quantitative
    - Qualitative

# Intelligent Transportation Systems Joint Program Office

**Welcome!**

The ITS Knowledge Resources is your comprehensive source for informed decision making - with over 15 years of information about the benefits, costs, lessons learned, and deployment status of ITS.

We have updated our look and added a mapping capability! Tell us what you think by clicking here.

Search for: in All Go

## Map Entries

## Knowledge Resources

Benefits | Costs | Lessons Learned | Deployment Stats | Applications

Go to Benefits

Benefits measure the effects of ITS on transportation operations according to the six goals identified by the U.S. Department of Transportation (U.S. DOT): safety, mobility, efficiency, productivity, energy and environmental impacts, and customer satisfaction.

### ITS Benefit of the Month - May 2011

Archives

Coordinated actuated traffic signal systems produced a 30 percent reduction in corridor travel times compared to actuated isolated systems, resulting in a benefit/cost ratio of 461.3. Read more...

Browse Benefits By

- Applications

### Intelligent Infrastructure

## Stay Connected

- ITS RSS Feeds
- ITS JPO On Twitter
- RITA Facebook
- Secretary LaHood's Blog

## Give Information

- Submit Your Data
- Make A Comment
- Give Feedback

## Get Knowledge Resources Help

## Tag Cloud

# Tour: Lessons Learned

- Content:
  - Provide summary of source document
  - Provide Lessons for practitioners to consider when deploying projects
  - Direct link to source document
  - Provide contact information

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Go to Lessons Learned

Lessons Learned capture the real life experience of practitioners in their planning, deployment, operations, maintenance, and evaluation of ITS. It is a reflection on what was done right, what one would do differently, and how one could be more effective in the future.

### ITS Lesson of the Month - May 2011

Archives

For successful implementation of a road pricing program, strive for simplicity in policy goals and strong championing of the program by the executive and legislative leaders.
*Experience from road pricing programs in Europe and Asia* Read more...

Browse Lessons By

Lesson subcategories

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# Tour: Costs

- System Costs
  - Multiple ITS elements and typically represents the total project cost
- Unit Costs
  - Cost associated with an individual ITS element
- New Cost Feature
  - Sample Unit Cost

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Go to Costs

The Costs database is a national resource of cost estimates for ITS deployments. Use Costs to develop project cost estimates during the planning or preliminary design phase, and for policy studies and cost-benefit analyses. Both capital and operating and maintenance costs are provided where possible.

***** ITS Knowledge Resources New Feature: ITS Unit Costs Sample Entries *****

In response to user feedback, we have added more detailed cost data. To explore new features in the ITS Costs database, click here: Unit Costs (Unadjusted) - View by Subsystem.

Browse Costs By

Intelligent Infrastructure

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# Benefits, Costs and Lessons Exercise

Imagine you are a transportation engineer in a city that is preparing for a summer long special event. Your director has asked you to identify other areas that have used ITS solutions to handle additional traffic due to tourists and special events and she wants to know the benefits and costs of setting up these applications on a temporary basis.

- Locate ITS Benefits pertaining to tourism and special events.

- Are there Costs associated with any of these solutions?

  - While searching for Costs, you find that there are some useful Lessons Learned, so you decide to add these to your report.

- You found the use of Portable Dynamic Message Signs as an ITS solution. What is the cost range for Portable DMS?

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  Traveler Information/Tourism & Events

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  Classification/Roadside Information/DMS, Portable - $15,900 to $21,000

# Mapping Feature

Jim Bunch,
Noblis

# Mapping Feature

# Mapping Exercise

- Now we would like you to imagine that you are a planner working in Columbus Ohio.
- You have been asked to find examples of ITS solutions that may help make transportation in your area more efficient and productive. However, your boss only wants to provide examples from areas similar to your own (i.e. the mid-west).
- Think about how would you use the mapping feature of the Knowledge Resources to help answer this question?
- I will show you how we would approach it in just a second.

# Contact Us

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# Any questions?