The Transportation World is Changing
The Public's Expectations are Changing
IT ALL BEGINS WITH PLANNING

Secretary of Transportation
Leslie S. Richards
Themes of Connects

Investing  Partnership  Planning
Stewardship  Visionary  Livability
Strategic  Multimodal  Innovative
Sharing
Environmental
Planning  Sustainable

PennDOT Connects
Planning with our communities
Planning Community Collaboration

Local Planners

County Planners

MPO Representatives
Metropolitan Planning Organization

County Representatives

Other local government staff

Municipal Representatives

RPO Representatives
Rural Planning Organization

RPO Staff

District Planner

District Traffic

PennDOT Representatives
District Environmental

PennDOT Connects
Planning with our communities
Planning Community Collaboration

- Bicycle/pedestrian accommodations
- Storm water Management
- Green Infrastructure
- Contextual issues
- Transit Access
“State DOTs are no longer just held accountable for the transportation system; they are also held accountable for how the system supports and improves quality of life for communities.”

How It Works

• PennDOT and our planning partners meet with local governments to discuss details for each project prior to developing project scopes and cost estimates.

• All mobility needs are considered
  • Bicycle
  • Pedestrian
  • Transit
  • Freight
  • Operations and ITS
  • Bicycle
  • Pedestrian
  • Transit
  • Freight
  • Operations and ITS
GOAL: Better Communities and Mobility Powered through Collaboration

• PennDOT Connects **builds** partnerships that invest in sustainable transportation.

• PennDOT Connects **leverages** resources to improve communities.

• PennDOT Connects **leads and innovates** for a more livable Pennsylvania.

• PennDOT Connects **delivers** projects that improve economic competitiveness, access to work, and overall quality of life.
Policy Approved December 19, 2016
Opportunities for Communities

• Better Relationships
  o PennDOT Who?
  o We’re more than “Potholes”!
Whoops!!
What is the PennDOT Connects Application?

- Upgrade/Replaces the existing Linking Planning and NEPA application
- Tool to Document the Process
- Workflow Philosophy
  - Collaboration is key
- Forms Based
- Mapping Tools
  - Problem/Proposal Selection
  - Environmental Screening
Why change the existing LPN system?

Existing LPN System

• Data Entry Focused Website
• Difficult and Time Consuming
• Costly and difficult to maintain
• Outdated and slow mapping interface
• No Mobile Access
• User-Base was dwindling

New PennDOT Connects

• Workflow Driven
• Collaboration Focused
• Flexible, Low Maintenance Design
• Robust Mapping Engine
• Mobile Access – Coming Soon
• Users wake up wanting to use

PennDOT Connects !!
PennDOT Connects

- Modular Design
  - Adaptable
  - Configurable
  - Reusable
Workflow Philosophy

- **Collection of Steps**
  - Problem Assessment
  - Notification
  - Assignment of Tasks
  - Scheduler
- **Ability to adapt**
  - Add/Delete Steps
  - Add custom process steps
Forms Designer

- Widget based forms design
- Minimal maintenance for layout changes
- Add Collaboration functionality to any field
- Attachments
PennDOT Connects – What does it do for me?

- Problem Definition
- Assigning Roles and Responsibilities
  - District Planner
  - Proposal Lead
  - Scheduler
  - Facilitator
- Problem Assessment
- Project Initiation Form (PIF)
  - Schedule meetings
  - Proposal Evaluation
  - Documenting the collaboration
- Submitting the solution as a potential TIP project to MPMS
### Sample Form

#### Problem Area Contact Information

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposal Advocate</td>
<td></td>
</tr>
<tr>
<td>First Name</td>
<td>Dave</td>
</tr>
<tr>
<td>Last Name</td>
<td>Thieme</td>
</tr>
<tr>
<td>Street Address</td>
<td>2127 Arbor CT</td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:dthieme@geodecisions.com">dthieme@geodecisions.com</a></td>
</tr>
<tr>
<td>City</td>
<td>Mechanicsburg</td>
</tr>
<tr>
<td>State</td>
<td>PA</td>
</tr>
<tr>
<td>Zip Code</td>
<td>17055</td>
</tr>
<tr>
<td>Mobile Phone</td>
<td></td>
</tr>
<tr>
<td>Office Phone</td>
<td>717-385-7776</td>
</tr>
</tbody>
</table>

**Instructions:**

Complete the information on the Evaluation Form as available and select the role/user responsible for scheduling.
Mapping Engine for defining the problem / solution

- Robust mapping tools for asset selection
- Redlining
- Lasso tools
- Access to additional data layers
- Buffer Tools
Environmental Scoring
Putting it all together to create PennDOT Connects - Dashboard
### Meeting Requests

**Meeting Date**
- **Meeting Date**: mm-dd-yyyy
- **Time**: 12:00 PM

**Meeting Location**
- **Answer goes here...**

**Attendees**
- **Answer goes here...**

**Proposals**
<table>
<thead>
<tr>
<th>Title</th>
<th>Municipality</th>
<th>Deadline</th>
</tr>
</thead>
</table>

**Instructions**
Select the proposals that will be discussed in the meeting, select the meeting date and time, then select the Meeting Scheduled action and submit the proposal.

**Work Status**
- **Refresh Proposal List**
- **Submit**
Demo

PennDOT Connects
What’s Next

- Currently in User Acceptance Testing
- Rollout to Districts and MPO/RPO’s 4/15/2018
- Mobile Component deployed Fall 2018
Questions? Thank You!

Matthew Long, Transportation Planning Specialist
matlong@pa.gov

Greg Ulp, Gov’t Delivery Director
GeoDecisions
gulp@geodecisions.com