PennDOT Connects The Application

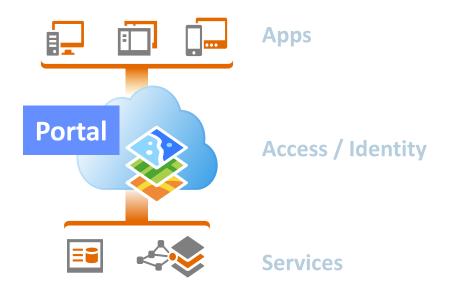
Greg Ulp Director of Delivery – State and Local Government

December 7th, 2017



Topics/Discussions

- PennDOT Connects
 - Requirements
 - Workflow Philosophy
 - Collaboration is key
 - Forms Driven
 - Mapping Tools
 - Problem/Proposal Selection
 - Environmental Screening







Requirements - 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- Outdated and slow mapping interface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



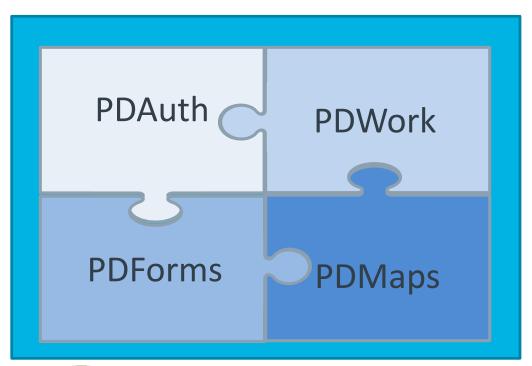
New PennDOT Connects

- 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



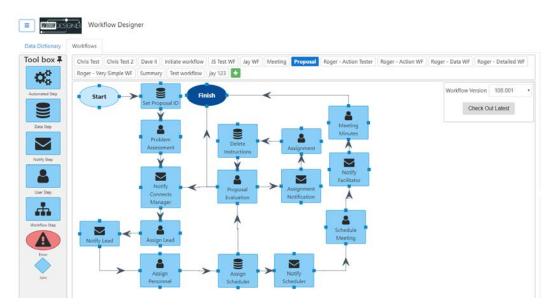
- Modular Design
 - Adaptable
 - Configurable
 - Reusable





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 ۲ for layout changes
- Add Collaboration functionality to any field

Attachments ۲

orm Version	8.002 •	Proposal Screening Form 🕜									
Check Out This Version		1. Problem Area Contact Information									
		a. I Proposal Advocate									
Action (Workflow)		b. 📥 Name Area									
Date	O Dropdown	a. I First Name			b. I Last Name						
File Upload	I Long Answer			Drag wa	Drop Questions Here						
Mag	Multiple Choice										
Pattopant	🚓 Question Group	c. 🚣 Contact Info	c. 🚠 Contact Info								
Scale or Rating	C Section	a. 🛦 Mailing Address			b. 📥 Email Fax Phone area						
Short Annuel 🖋 Topsature		a. 1 Street Address			a. Ť Email Address						
Table 🔘 Timespan		b. I Street Address			b. I Fax Number						
2 Yes / No											
Proview Form		c. 🔥 City State Zip	Area		c. I Mobile Phone						
		a. I City	b. I State	c. I Zip Code	d. I Office Phone						
Go Back			Orag and Drop Questi	ons Hern	Drag and Drop Questions Here						
				ons Herm							
			Drag and Drop Questi	ons Hem							
		Drag and Drop Classifions Here									





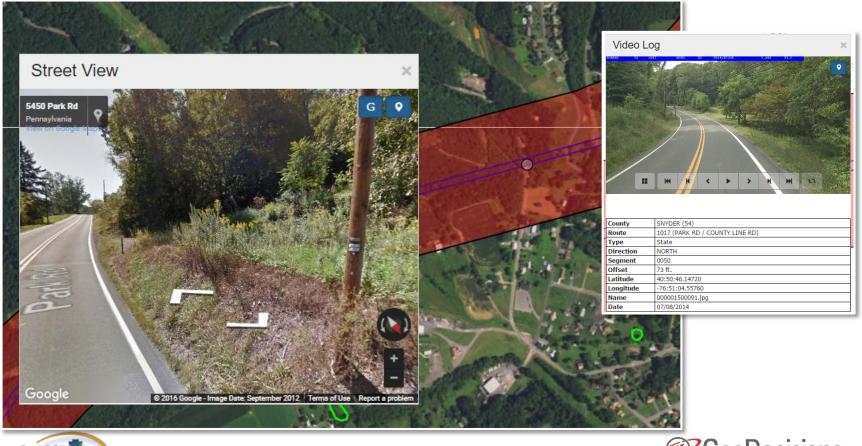
Mapping Engine for defining the problem / solution

- Robust mapping tools for asset selection
- Redlining
- Lasso tools
- Access to additional data layers
- Buffer ToolS













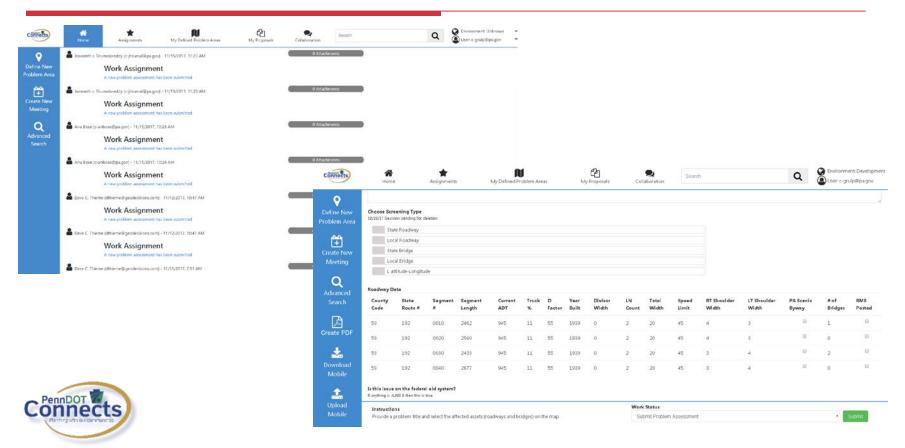
Environmental Scoring

2.5 ENVIRONMENTAL	Retrieve Environmental Results	Detailed Score	O Scores 25 Full Screen	C Reload ±	Save and Score								
5.1 Resource Analysis	Score	Details		2									
2.5.1.a Potential for impacts streams?	to wild or stocked trout				A Enter	Scores							,
2.5.1.b Potential for impacts	to High Quality/EV Streams?					Asset Cou	nt: 7 By Categ	100					
2.5.1.c Potential for impacts	to wetlands?					Category M		ory			Score		
2.5.1.d Potential for impacts proposed, candidate, or liste endangered species?	to federally ed; or state listed threatened		V X			+ 251.8		ed Trout !	itreams		0		
2.5.1.e Potential for effects t Archaeological Resources?			7	1		+ 25.10		EV Stream	5		10		
2.5.1.1 Potential public contr grounds?	oversy on environmental		an inde			- 25.1.e	Archaeologic	al Resour	ces		10 Score		
2.5.1.g Potential temporary of to resources protected under	or permanent impacts (use) er Section 4(f)?					10.0421	al for effects	to Histori	: Propertie:		10		
2.5.1.h Potential temporary water trail?	or permanent impacts to					• Add	Layer	Seg	Off Se	g 0ff			
2.5.1.i Potential for temporal hazardous/residual waste s					PO		Cty Route	Bgn		d End	BrKey D	stance 0π	Score
2.5.1.j Potential impact to re beyond the project limits?	gulated floodplain within or			10 A	Potato No		01 4008					0π	10
2.5.1.k Potential impact to a	griculture?					RMS RMS	01 4006		0000 000			0π 0π	10
2.5.1.1 Potential for impacts which requires U.S Coast Ge					alt. Dato	RMS			0000 000			0π	10
2.5.1.m Potential for impacts protection under Section 6(f				stoppe	1		01 4008					0π 0π	10
2.5.1.n Are there properties			Ann	a la		1	c high proba					Vit	10
		weeks and	- X		V				620	14-2017 PJ	A. Department o	Conne no	tation (2)





Putting it all together to create PennDOT Connects



- Web Development to be completed 12/15/2017
- Rollout to Districts and MPO/RPO's 3/1/2018
- Mobile Component deployed 6/30/2018





