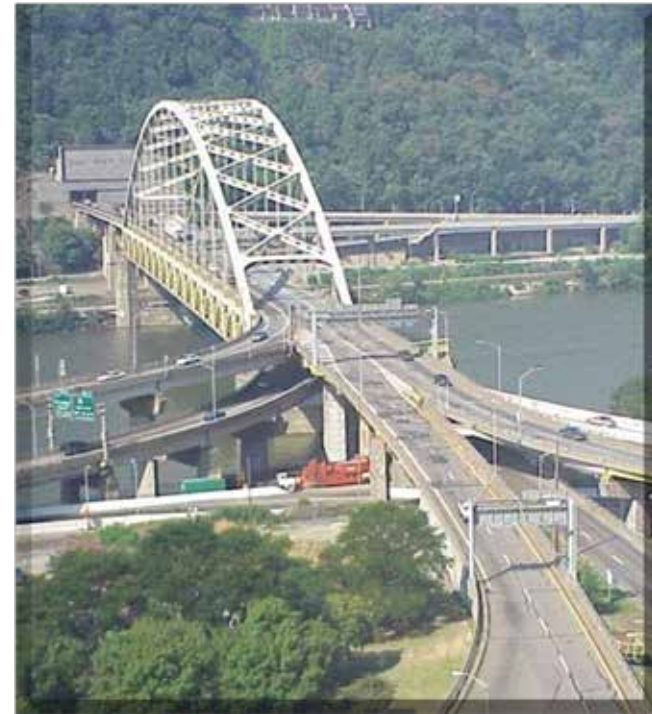
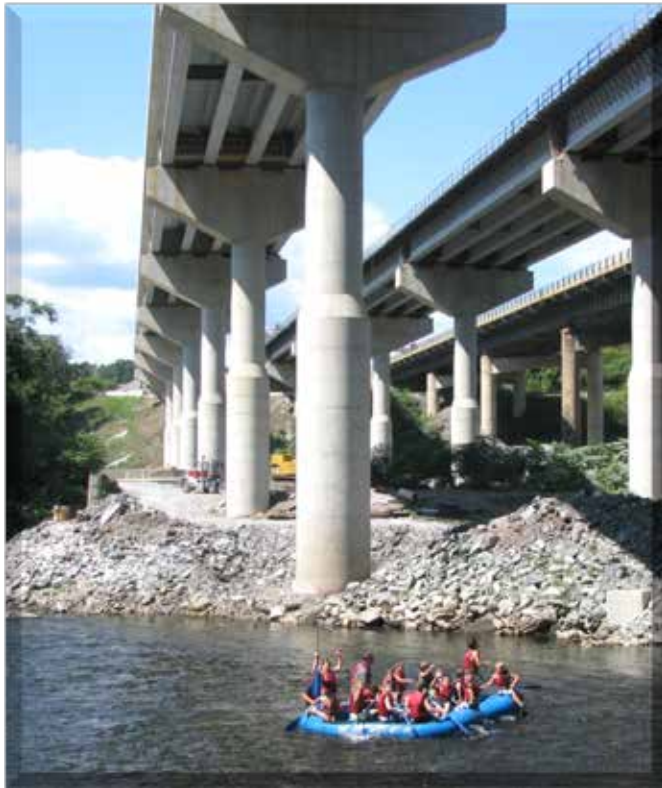


PennDOT Connects



Central Section

November 3, 2016



Introduction

Brian D. Hare, P.E., Chief
Planning and Contract Management Division
Center for Program Development and Management
bhare@pa.gov





Agenda

1. Planning Catalyst Team
2. Planning & Engineering 360
3. *PennDOT Connects*
4. The Secretary's Perspectives
5. Meeting of the Minds

Planning Catalyst Team Kick-Off – October 2013

Planning Partners

- Tim Reardon
- Tom Zilla
- Tom Klevan
- Becky Bradley
- Chris Puchalsky
- Mike Boyer
- Jon Fitzkee

PennDOT

- Leo Bagley
- Jim Ritzman
- Mike Kaiser
- Bill Petit
- Mike Rebert
- Cheryl Moon
- Chris King
- Angela Watson
- Hugh McGowan
- Brian Hare

Others

- Denny Puko
- Matt Smoker
- Rob Henry



Planning Catalyst Team – Key Categories

- Planning Policy Establishment;
- Resource Capacity Building;
- Collaborative Planning; and
- Enhanced Training



Planning Catalyst Team – Key Categories

- A. Aligning Transportation Planning w/ Land Use/Community Vision
 - a) Future Update to Regional Long Range Transportation Planning Guidance
- B. Staffing and Financial Resources
 - a) Planner In Every District Initiative
 - b) Planning and Engineering 360
- C. Interagency Planning
 - a) Interagency Land Use Team



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Planning and Engineering Collaboration



Community Development

Vision, Values and Aspirations
Quality of Life & Livability
Sense of Place & History
Community Vitality
Land Use



Planning and Engineering Collaboration



Project Development & Delivery

Transportation Choices
Safety & Operations
Asset Management
Mobility & Access



Planning and Engineering Collaboration

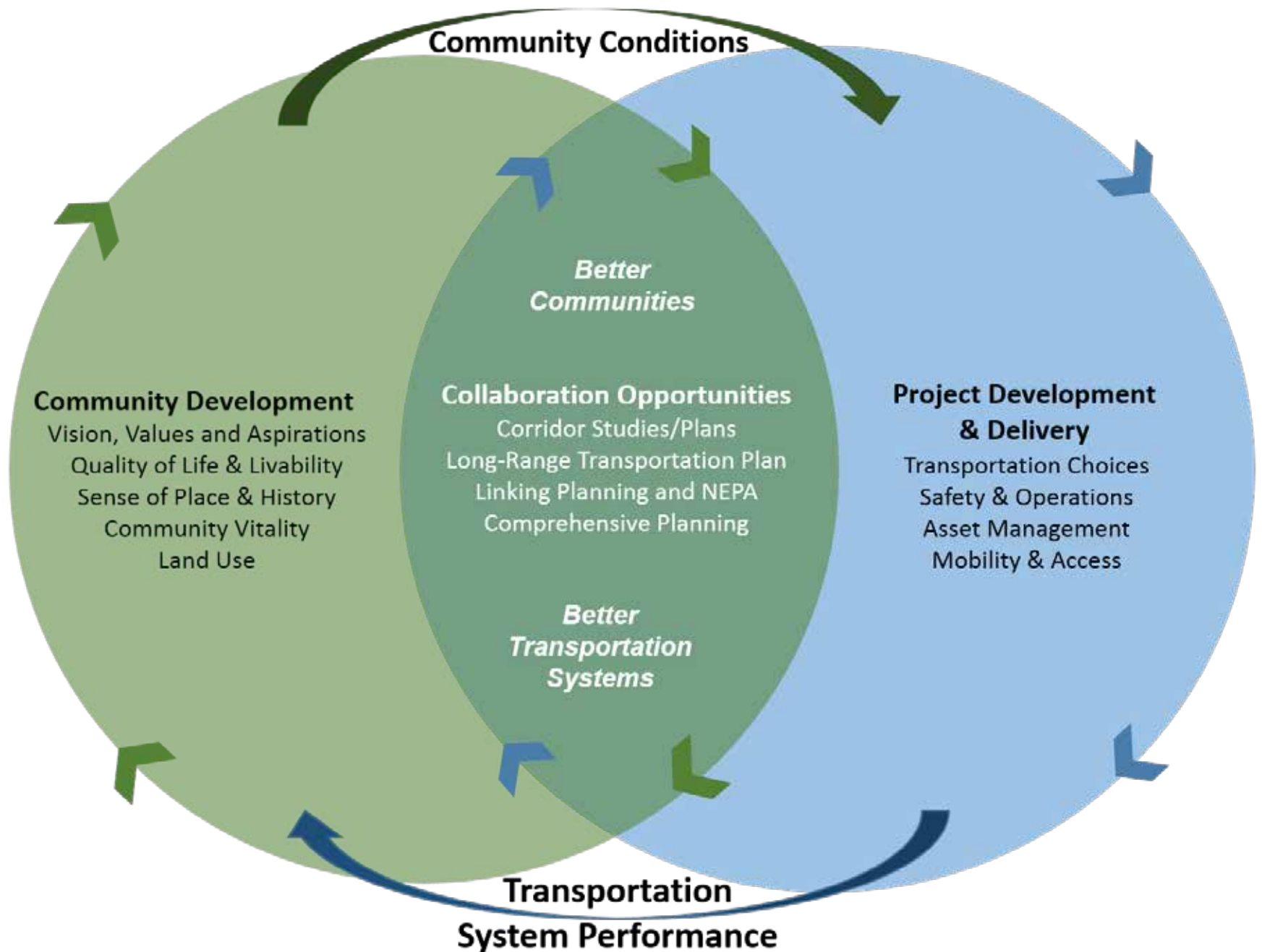
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Planning & Engineering 360°



PennDOT Connects

**SECRETARY OF TRANSPORTATION
LESLIE S. RICHARDS**





PennDOT Connects

- Identify needs of communities and related issues early in project planning
- Link Planning and NEPA
- Consider community transportation needs
 - ü Bicycle and pedestrian accommodations
 - ü Transit access
 - ü Stormwater management
 - ü Green infrastructure



PennDOT Connects

- Community transportation needs assessment based on:
 - ü Comprehensive plans
 - ü Other local planning studies
- Local government must demonstrate features are a (documented) element of the community vision
- Cost is a consideration, but not reason enough to disregard improvements

PennDOT Connects

Pedestrians

Dedicated pedestrian facilities should be evaluated for all highway projects. Depending on the project's context, these may include elements like a multiuse trail, sidewalk, and crosswalks with supportive elements like HAWK beacons. In rural areas, a walkable shoulder can serve as a very basic pedestrianway, provided it is connected to accessible curb ramps.

1.

Pedestrian facilities will be accommodated:

- Shared roadway/walkable shoulder
- Sidewalks
- Multi-use trail
- Additional element(s): _____

Pedestrian facilities will NOT be accommodated because (at least one):

- Location is greater than .25 mile from any existing pedestrian facility or public transit stop, and is not recommended for a pedestrian connection in any local, county, or regional plan.
- Location has unique site constraints, such as steep slopes.
- Safe pedestrian accommodations would drastically increase the overall anticipated project cost (in such cases, consider opportunities to ensure future pedestrian accommodations are not precluded by the design)
- Additional reasons(s) and notes:



PennDOT Connects

- Costs must be weighed against the full range of benefits to communities
 - ü Improved mobility
 - ü Economic competitiveness
 - ü Access to work
 - ü Quality of life
- Communities may have no other opportunities to realize these improvements in the foreseeable future

PennDOT Connects

PennDOT is committed to enhancing community collaboration in our planning process.

- District and Planning Partner staff meet with local staff on all new projects added to the 2017 TIP
 - Required for all projects that had no project phase included on a prior TIP
 - Required for all projects that have not started PE or started PE since July 1, 2016.



PennDOT Connects

- If justified, incorporate transportation needs into scope of work
- Document issues and justification (or lack of) in the LPN form
- Program Center staff responsible to QA TIP process
- Program Center Open End Agreements are available to support:
 - § Meetings or field view coordination
 - § Meeting minute documentation
 - § Completion of LPN forms

SECRETARY OF TRANSPORTATION LESLIE S. RICHARDS

Planning in a 21st Century State DOT



“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.”



Transportation Research Board, National Cooperative Highway Research Program (NCHRP) Report 798: The Role of Planning in a 21st Century State Department of Transportation—Supporting Strategic Decisionmaking, 3/23/2016



MEETING OF THE MINDS: OPPORTUNITIES FOR SUCCESS





Meeting of the Minds

Leveraging Roles & Partnerships

Aligning Resources

Changing Culture



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Meeting of the Minds: Leveraging Roles & Partnerships

To make the most of the complementary strengths of:

- PennDOT
- MPO/RPOs
- Municipalities
- Consultants
- Advocates, community and regional resources


We must . . .



Meeting of the Minds: Aligning Resources

What are the challenges, opportunities and priorities for . . .

- Funding
- Organizations' staff and time
- Systems and processes
- Data- and information-sharing
- Knowledge and skill-building



Meeting of the Minds: Changing Culture

What cultural changes are necessary to support . . .

- Collaborative planning
- A focus on community quality of life
- Effective policy implementation
- Innovative problem-solving

Questions?

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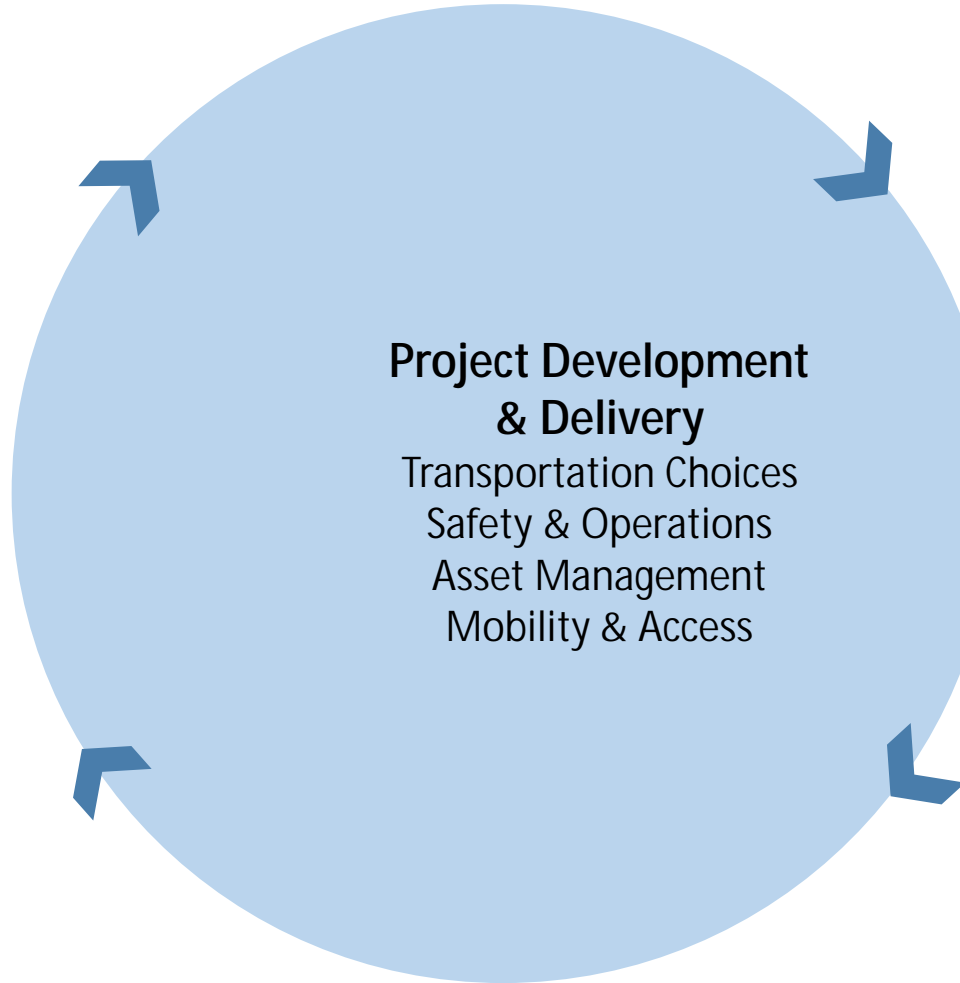


Planning and Engineering Collaboration



Community Development

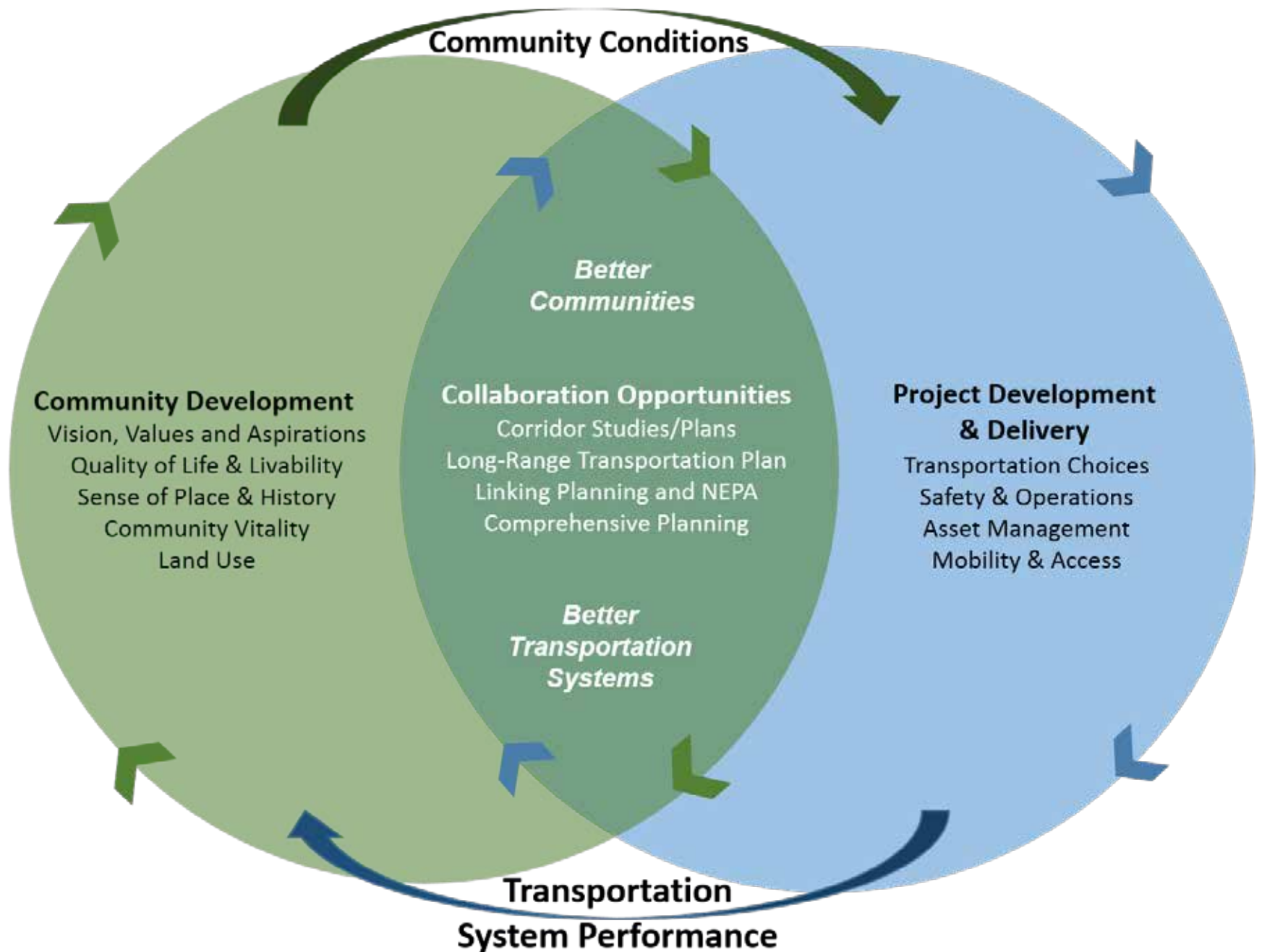
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Project Development & Delivery

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Planning & Engineering 360°



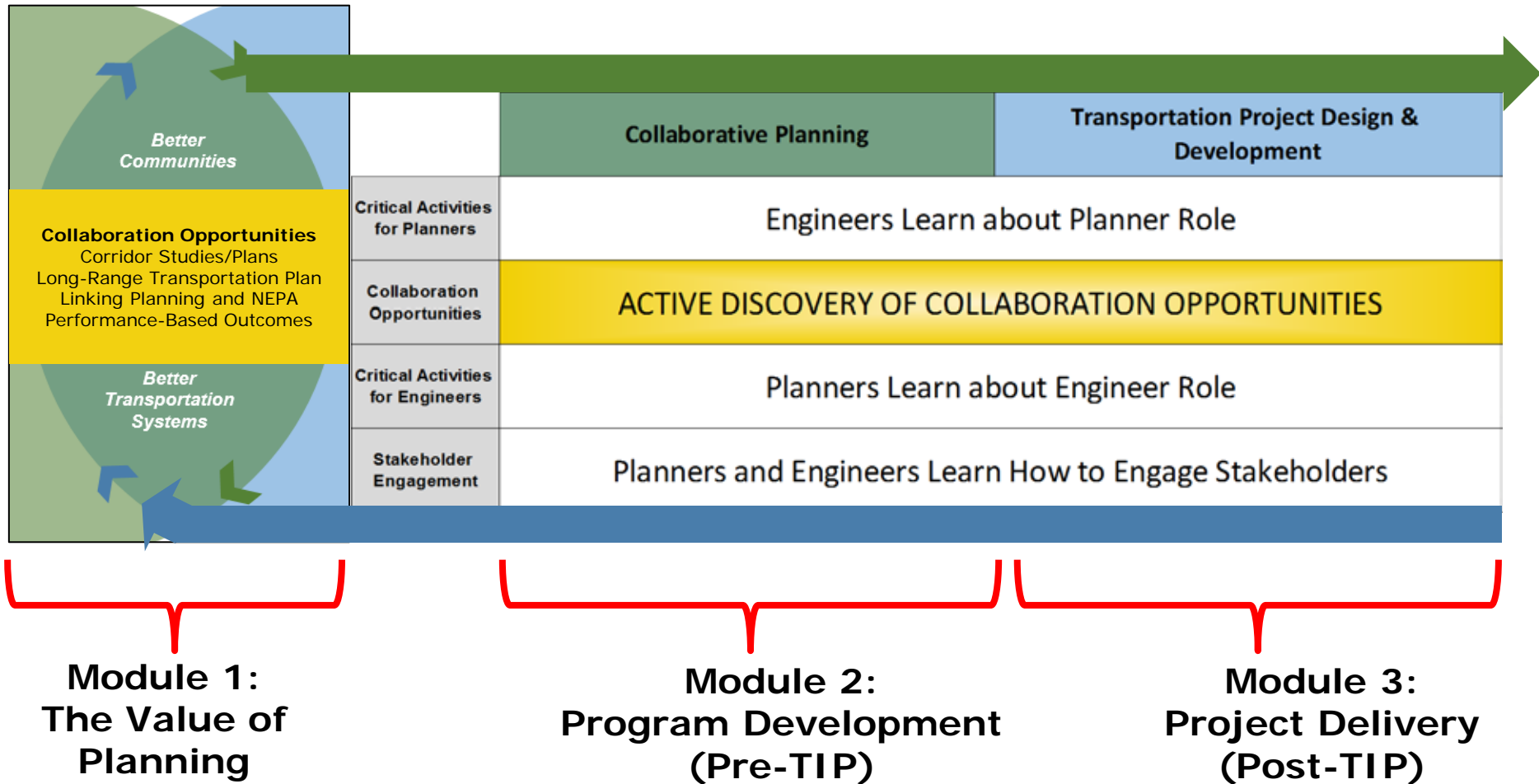
PLANNING & ENGINEERING 360°



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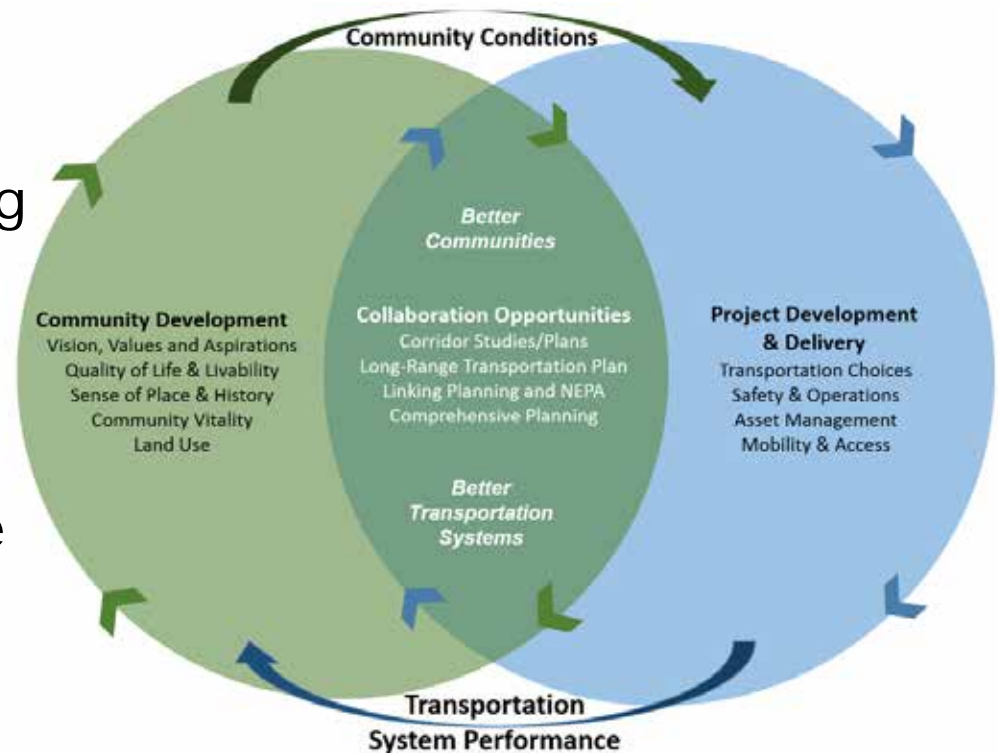
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Course Structure



Module 1: The Value of Planning

- Introduction
- What is Planning?
 - § Understanding Planning
 - § Local Comprehensive Planning
 - § Data Collection
- Changing Our Culture
- Action Plan





Module 1: Sample Activity

Examples of excellent local comprehensive plans



Montgomery
County
Comprehensive
Plan



Dormont
Borough
Comprehensive
Plan





Module 2: Program Development (Pre-TIP)

- Introduction
- Roles and Ramifications during Pre-TIP
 1. Problem Assessment
 2. Project Proposal Identification
 3. Project Proposal Evaluation
 4. Project Addition to TIP/STIP
- Changing Our Culture
- Action Plan

Module 2: Sample Activity

Problem Assessment Phase Case Study:



**SR 3018 Whitehall Road/
University Drive Widening**

**College and Ferguson Townships
State College Borough
Centre County**



	1) PROBLEM ASSESSMENT	2) PROJECT PROPOSAL IDENTIFICATION	3) PROJECT PROPOSAL EVALUATION	4) ADDITION TO THE TIP/STIP
Critical Activities for Planners	<ul style="list-style-type: none"> • Prepare Community & Transportation Plans • Consider the following: <ul style="list-style-type: none"> - Existing/desired community character - Existing/future land use and growth areas - Anticipate changes in traffic and mode - Active modes of travel - Public input - Concerns of local officials • Categorize problems and needs for highway, bridge, safety, multimodal, maintenance, etc. • Analyze problems and needs with a broad perspective and qualitative emphasis • Obtain local municipal input 	<ul style="list-style-type: none"> • Identify proposed projects that are locally sponsored • Meet with municipal stakeholders • Obtain local sponsor commitment • Review proposal(s) with MPO/RPO committees • Advocate to design project to support community context and vision, as well as accommodate all users (bike, ped, transit, freight) • Refine proposed project scope 	<ul style="list-style-type: none"> • Complete LPN Level 1 • Begin LPN Level 2 • Prioritize proposed projects • Review proposal(s) by MPO/RPO committees • Fill out project screening forms (then the project is considered for LRP, TIP, etc.) • Identify funding strategy based on all available funding options and types of projects (TAP, multimodal program, bridge, highway safety, transit) • Prioritize proposed projects 	<ul style="list-style-type: none"> • Update regional model • Perform Air Quality Conformity analysis • Prioritize projects *Complete LPN Level 2 • Encourage early and consistent collaboration between MPO/RPO and PennDOT
Collaboration Opportunities to Mitigate Problems and Maximize Success	<p>Share qualitative and quantitative data for validation (condition, land use, multimodal, economic development)</p> <p>Identify impacting external issues and stakeholders</p> <p>Collaborate on types of problems encountered</p>	<p>Share data</p> <p>Gain better awareness of one others' priorities</p> <p>Coordinate bike/ped issues</p> <p>Evaluate project's regional impact</p>	<p>Get involved in MPO/RPO committee meetings</p> <p>Share program funding information</p> <p>Collaborate to determine funding eligibility</p>	<p>Coordinate early during TIP update process</p>
Critical Activities for Engineers	<ul style="list-style-type: none"> • Monitor condition of: <ul style="list-style-type: none"> - Facilities - Infrastructure - Crash rates and traffic volumes - Structure condition - Pavement condition - Signing and lighting - LOS traffic studies • Focus on current operations • Analyze problems and needs for highway, bridge, safety, multimodal, maintenance, etc. • Analyze problems and needs with a specific, objective perspective and quantitative emphasis • Review data to determine needs (traffic, safety, condition, performance, etc.) 	<ul style="list-style-type: none"> • Identify State priority projects • Remedy quantitative needs • Select from candidate projects, keeping in mind constraints, and being sensitive to cost design for public reaction/ public safety • Maintain federally required EJ program • Conduct evaluation (typically cursory) of potential multimodal aspects of project • Determine responsible project lead organization/department 	<ul style="list-style-type: none"> • Complete LPN Level 1 • Begin LPN Level 2 • Prioritize proposed projects • Estimate costs • Identify specific data proactively to help justify funding • Provide data (IRI, LOS, Delay, condition, and performance) 	<ul style="list-style-type: none"> • Develop engineering and construction cost estimates • Complete LPN Level 2 • Maintain program budget • Refine project scope • Commit funding



Module 3: Project Delivery (Post-TIP)

- Introduction
- Roles and Ramifications during Post-TIP
 - 5. PE/NEPA Decision
 - 6. Final Design & Construction
- Changing Our Culture
- Action Plan

Module 3: Sample Activity

Final Design & Construction Phase Case Study:



**Route 322
Potters Mill Gap**

**Potter Township
Centre County**



	5) PE/NEPA DECISION	6) FINAL DESIGN AND CONSTRUCTION
<p>Critical Activities for Planners</p>	<ul style="list-style-type: none"> • Inform design to respect context/previous planning • Provide multimodal reviews • Maintain project status • Track project commitments (environmental, stakeholder, local issues) • Screen LPN Level 3 (if required) • Remain primarily regionally focused • Help identify who owns adjacent ROW • Help identify potential conflicts • Review Smart Transportation Guidebook (Land Use and Road Typologies) 	<ul style="list-style-type: none"> • Monitor project status • Establish and initiate a review of performance measures • Collect and review performance data
<p>Collaboration Opportunities to Mitigate Problems and Maximize Success</p>	<p>Refine/finalize project scope</p> <p>Hold 1:1 discussions with stakeholders</p> <p>Participate in environmental scoping meetings</p> <p>Work together to finalize environmental documents</p> <p>Share updated economic development, land use and multimodal data</p> <p>Share cost and schedule information</p> <p>Display plans</p>	<p>Shape design to respect context and previous planning</p> <p>Participate in HOP meeting</p> <p>Share cost and schedule information</p> <p>Participate in public meetings</p> <p>Provide condition data</p> <p>Share performance data</p> <p>Participate in performance critique</p>
<p>Critical Activities for Engineers</p>	<ul style="list-style-type: none"> • Conduct public meetings • Refine/validate problem statement using traffic counts, O&D Study, etc. • Focus on specific environment impacts and constraints • Complete LPN Level 3 (if necessary) • Fulfill NEPA process • Determine right of way needs (primary role) • Coordinate utilities (primary role) 	<ul style="list-style-type: none"> • Design project • Prepare contract documents, project cost E5:U5, and schedule • Submit application to review agencies, site view, drawings for approval of HOP • Prepare plans, schedule, and cost • Manage construction (inspection, QA/QC, scheduling, environmental commitments, etc.) • Monitor effectiveness of project • Collect data • Analyze performance (pavement condition, traffic flow, etc.)

Emphasis on Application

Throughout the course, participants will be encouraged to think about how to apply the collaboration opportunities to current and/or upcoming projects.

In some cases, participants can share a project challenge and the group will brainstorm collaborative solutions.

Course Outcomes

- Committing to work together
- Being open to collaboration opportunities
- Being creative in finding ways to work together
- Leveraging one another as resources
- Informing leadership of new approaches
- Aligning participant follow-up with pending policy

Success: What Does it Look Like?

• Expanded leadership role for MPO/RPOs

- PennDOT seen as a leader
- Willingness to modernize laws to support new transportation trends or adopted national standards
- Condition of our assets don't decline

• Community satisfaction

- Shared responsibility/ownership (results)
- Agreed-upon expectations
- New R/W should be municipal or partner's (public transportation provider)

• Better communication/response from municipalities

- Quantitative: cost/benefit analysis
- Expanded skills (education process – all levels)
- AAR – continue learning – assess value-add
- Better communication/response from municipalities

• Improved project delivery and more accurate programming

Planning and Engineering 360°

Central Office Briefing

October 6, 2016

