PennDOT's 2008
Sound Land Use Implementation Plan
Building a Strategic Agenda for Smart Transportation

Edward G. Rendell, Governor
Allen D. Biehler, P.E., Secretary of Transportation

Pub 572 (4-08)
For more information regarding PennDOT’s Sound Land Use Program, visit www.dot.state.pa.us/Internet/Bureaus/CPDM.nsf/LandUseHomepage

Prepared by PB
Letter from the Secretary

Dear Pennsylvania Resident:

2007 was a significant year in engaging PennDOT’s internal and external partners in the Smart Transportation process. Most notable was a series of workshops held to identify areas where PennDOT can most effectively focus its efforts in advancing a strategic agenda for Smart Transportation.

PennDOT’s Long-Range Transportation Plan, the Pennsylvania Mobility Plan, was also realized in 2007, with the plan’s implementation activities integrated with the Department’s strategic and business planning processes. The actions not only unify the priorities pursued by PennDOT, but also focus on how time and money are to be invested to strike a balance among quality of life, efficient land use, environmental stewardship, security, etc.—all essential ingredients of Smart Transportation.

The 2008 Sound Land Use Transportation Plan will continue to serve as a monitoring tool for land use and Smart Transportation-related activities in Pennsylvania. This year’s plan provides an update on the land use-related activities in which PennDOT has been engaged, and begins to solidify the relationship between these activities and the Smart Transportation priorities identified during the workshops.

Smart Transportation at PennDOT is more than just a popular phrase—it is being integrated into existing policies and processes, and shaping the way PennDOT does business. I invite you to read through this report, and learn more about the activities that are underway. Each of the actions identified reflects in some way the dedication of PennDOT and its partners to sound land use and the variety of results that are anticipated.

PennDOT remains committed to developing and implementing innovative transportation solutions with the help of partners and stakeholders. We look forward to building on the successes of our Smart Transportation initiatives, and welcome you to join us in advancing infrastructure projects that will positively affect quality of life and address the transportation needs of Pennsylvanians.

Thank you for your continued interest in Smart Transportation and support of PennDOT.

Sincerely,

Allen D. Biehler, P.E.
Secretary of Transportation
Commonwealth of Pennsylvania
April 2008

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Building on the linkages between land use and transportation

The past several years have seen the development and/or release of several new initiatives within PennDOT, including the Mobility Plan, Right-sizing, and Linking Planning and NEPA. Inherent in all of these initiatives is the necessity to do more with less. Weaving these initiatives together is the commitment to integrate Smart Transportation into PennDOT’s principles, policies, and actions.

In addition to its internally-focused programs, PennDOT is continuing to partner with other state agencies to build upon the relationship between transportation and land use. PennDOT continues to work toward achieving the actions identified in the Commonwealth Action Plan resulting from the 2003 Conference on Transportation and Land Use for Economic Development.

Partnering with other agencies continues to be a significant element of many of PennDOT’s ongoing projects and initiatives. It is realized that the problems and solutions for moving people and goods are larger than transportation and extend beyond PennDOT. As reported in this document, PennDOT is working to increase outreach and support to municipalities, and strengthen the benefits from connecting local and regional plans.

These partnerships are also being carried out on a statewide level. Together with the Departments of Community and Economic Development (DCED), Environmental Protection (DEP), Conservation and Natural Resources (DCNR), and Agriculture (AG), PennDOT is working to improve the integration of transportation, land use, and economic development in Pennsylvania.

Many of the policies, investments, and actions PennDOT is undertaking are described in this seventh annual update of the Sound Land Use Implementation Plan. For the fourth year in a row, certain action items include targets and performance measures. As Smart Transportation policy continues to be implemented throughout PennDOT’s existing functions, additional tools will be deployed to help measure success. As PennDOT’s commitment to progress continues, having transportation and land use work together plays a huge role in the statewide partnership to generate economic growth, improve quality of life, and support sustainable land use practices.

Pennsylvania’s Sound Land Use Milestones

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<th>Date</th>
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<tr>
<td>July 1997</td>
<td>Executive Order (E.O.) 1997-4 established 21st Century Environment Commission</td>
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<td>January 1999</td>
<td>“Land Use Planning” E.O. 1999-1 issued and Interagency Land Use Team commenced</td>
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<td>May 1999</td>
<td>PennDOT Sound Land Use Strategies (SLUS) Team formed</td>
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<td>January 2000</td>
<td>Pennsylvania’s Long-Range Transportation Plan, “PennPlan MOVES,” published</td>
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<tr>
<td>June 2000</td>
<td>Acts 67 and 68 amend Municipalities Planning Code (MPC)</td>
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<td>August 2000</td>
<td>Governor’s Center for Local Government Services of the Department of Community and Economic Development (DCED) released the “Interagency Land Use Team Supplementary Report” calling for agency implementation plans</td>
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<td>November 2000</td>
<td>First PennDOT Sound Land Use Implementation Plan published</td>
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<td>May 2003</td>
<td>“Conference on Transportation and Land Use for Economic Development” held, sponsored by DCED, DEP, DCNR, and PennDOT</td>
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<td>February 2004</td>
<td>“Action Plan resulting from the May 2003 Conference” released by state agencies</td>
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<td>May 2005</td>
<td>Nine Regional Conferences on Transportation and Land Use for Economic Development held across the state, building on the February 2004 Action Plan</td>
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<td>June 2007</td>
<td>The Pennsylvania Mobility Plan is released with Smart Transportation as a major breakthrough</td>
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<td>June 2007</td>
<td>Smart Transportation External Partner Workshop is held</td>
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<td>October 2007</td>
<td>Smart Transportation Internal Staff Workshop is held</td>
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PennDOT’s efforts continue to be guided by Smart Transportation themes—a quality of life approach to transportation solutions which, similar to Smart Growth, supports economic, social, and environmental goals. The 10 interrelated Smart Transportation themes are a part of PennDOT’s approach for keeping Pennsylvania’s transportation network on a sustainable path. These 10 themes are:

1) Money counts
2) Choose projects with high value to price ratio
3) Enhance the local network
4) Look beyond level-of-service
5) Safety first, and maybe safety only
6) Accommodate all modes
7) Leverage and preserve existing investments
8) Build towns and not sprawl
9) Understand the context; plan and design within the context
10) Develop local governments as strong land use partners

As identified in the Mobility Plan, Pennsylvania’s Long-Range Transportation Plan, as a “Breakthrough,” PennDOT is utilizing a new approach to capital planning and project development. In practice, implementing Smart Transportation means that projects will be:

- Planned in a way that considers a host of factors, not solely transportation priorities.
- Designed using a “right-sizing” approach that addresses real needs in an appropriate and sustainable manner.
- Developed within the context of larger community and regional initiatives.

Embracing Smart Transportation is vital to making the most of limited funding. Smart Transportation emphasizes planning and designing projects to meet a clearly defined purpose and need as simply as possible, thereby conserving resources and enhancing the surrounding community. PennDOT will continue to advance numerous right-sizing initiatives including skill building, technology transfer between Central and District offices, and promoting associated cultural change, so that these concepts occur with greater frequency well in advance of final design.

A series of internal staff and external partner Smart Transportation workshops was held in 2007. Participants identified top areas needing attention:

- Understanding what Smart Transportation is.
- Addressing the reality that different entities are responsible for land use and transportation decisions.
- Planning for movement of both people and goods.
- Connecting local plans with regional plans.
- Aligning the Highway Occupancy Program and Smart Transportation.
- Determining how to measure success for Smart Transportation.
Many of the actions described in this report reflect Smart Transportation’s more efficient approach to planning, designing, building, and maintaining projects, further stretching the benefit of transportation investments—but there is more to be done. PennDOT will be working throughout 2008 to address the five major categories of action that were identified at the two workshops, specifically in the areas of:

- Refining the definition for Smart Transportation.
- Developing a communications plan and related tools.
- Developing a training program for staff and partners.
- Revising the Highway Occupancy Permit (HOP) process.
- Implementing the Linking Planning and NEPA strategy.

Specific activities, including the development of the Smart Transportation Solutions Guidebook and the formation of PennDOT’s Smart Transportation Action Team, will be underway in 2008 and reflect the desire to incorporate Smart Transportation principles into everyday decision-making for both internal and external partners.

Progress for these actions and others will be monitored through both the annual Sound Land Use Implementation Plan and Mobility Plan reporting, as the strategic agenda for Smart Transportation is further developed and integrated into PennDOT’s business and long-range planning.

Smart Transportation will continue to be revisited in future updates of this plan, especially in how the policy is being translated to individual transportation projects, lessons learned, and success stories to be emulated.
Implementation of this Plan

Since 1999, PennDOT’s Sound Land Use Strategy Team has made considerable progress toward incorporating land use considerations into its programs, policies, and activities.

PennDOT continuously evaluates its programs, policies, and procedures according to how well they guide the integration of sound land use principles. In the future this will be broadened to cover the Smart Transportation themes. This year’s Implementation Plan presents the ongoing and near-future action items in a manner that clearly highlights linkages among various activities, and the progress made since the enactment of Pennsylvania’s Land Use Planning Executive Order (E.O.) 1999-1.

Though the format and method of reporting on activities evolves with the annual updates, the three components required by E.O. 1999-1 remain fundamental to this year’s plan:

1. Education of Agency Staff
2. Incorporation of Local Land Use Planning Into Agency Decisions
3. Identification of Actions Likely to Have Significant Impact on Land Use

The goals and results of the original plan are revisited each year, with the intent of increasing awareness of sound land use principles and the achievements of PennDOT. In the future, as Smart Transportation policy is developed and advanced, its strategic agenda will become fully integrated with the ongoing policies and actions, which will be reported on in this document.

How to Use this Report

The report has been reorganized this year into six broad topic areas that represent a combination of the components required by the Executive Order and the action items identified at the Department’s Smart Transportation workshops. The first four areas are the same as the 2007 report. The last two are new to the 2008 report and reflect the Department’s increased attention to working with local governments and considering all modes when developing transportation solutions.

1.0 Education and Training
2.0 Tools and Resources
3.0 Interagency Coordination
4.0 Reinvestment in Communities
5.0 Partnerships with Local Governments
6.0 Accommodate all Modes

Each section contains action items for land use-related strategies to be implemented during 2008. Performance measures and implementation targets have been identified for action items where tangible progress allows for measurement of the activity against a quantifiable target. In order to clearly report on PennDOT’s progress, these measurable action items are reported in tables at the bottom of the pages on which they are described to show the reader at a glance whether the activity is completed, on schedule, or has fallen behind its target. The rating of the various activities is represented in the key below:

Key for Rating Action Items

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<th>Icon</th>
<th>Description</th>
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<tr>
<td>✓</td>
<td>Target met</td>
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<tr>
<td>⬤</td>
<td>Target on schedule</td>
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<tr>
<td>✗</td>
<td>Target not met</td>
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A summary list of completed action items to date, and a table illustrating timeframes for completion of ongoing action items, are provided in the following pages.
Supported the statewide “Growing Smarter Conference.”
Established a full-time Land Use Coordinator position at PennDOT.
Published the “Greenway Action Plan.”
Modified applications for items such as the Highway Occupancy Permit (HOP), Transportation Enhancements, and the Pennsylvania Infrastructure Bank to consider local land use planning.
Reviewed and strengthened the Rail Freight Assistance Grant Review Process.
Surveyed PennDOT’s 11 districts to establish a database of potential projects and/or issues that may significantly impact land use.
Published the “Traffic Calming Handbook” and made it available to municipalities and others who wish to develop a well-organized traffic calming program.

Conducted an “Introduction to Land Use Planning Issues” seminar for District permitting staff.
Released “The Final Report on Statewide Highway Access Management and Growth Accommodation,” identifying strategies to improve mobility and access to the state’s roadway network.
Identified 17 congested corridors throughout the state as part of a “Congested Corridor Improvement Program,” in an effort to improve how the roadways function.
Developed the “Partnering for Better Communities” Program as part of PennDOT’s aviation public involvement program.
Evaluated and prioritized several intercity rail corridors as part of a Statewide Passenger Rail Needs Assessment with respect to their relative need and potential for development.
Improved the HOP process to promote coordination between PennDOT District permitting staff and local jurisdictions.
The Bureau of Aviation updated the State Aviation System Plan (SASP) under the Continuous Aviation System Plan (CASP) process.

2003
Completed a walkability checklist for assessing a neighborhood’s walking safety and comfort. The checklist is available on PennDOT’s web site and in hard copy.
Held a conference on Transportation and Land Use for Economic Development. The conference report and “Action Plan” resulting from the conference can be found at www.landuseinpa.com.
Produced data sets, trends, and tools for statewide use as part of corridor-level intermodal transportation planning.

2004
Completed the PennPlan Corridor Assessment Study to identify future trends and issues that may impact the PennPlan Corridors or the entire state.
Released the “Sound Land Use Planning for Your Community: Model Ordinance Language for Addressing Traffic Noise” publication. This publication is available online at www.dot.state.pa.us/Internet/Bureaus/CPDM.nsf/LandUseHomepage.
Conducted training for designers and planners throughout the state on the Bicycle/Pedestrian Checklist to enhance the opportunities for considering these modes in upcoming projects.

2005
Held nine regional conferences on Transportation and Land Use for Economic Development across the state in May and June to develop goals and objectives necessary to reach regional visions for improving the integration of transportation, land use, and economic development.
FHWA assessed PennDOT’s achievement of the bicycle/pedestrian goals outlined in TEA-21 and established milestones for PennDOT.
As a signatory of the Chesapeake 2000 agreement, Pennsylvania was a member of the Transportation Workgroup of the...
Chesapeake Bay Program Land, Growth, and Stewardship Subcommittee (LGSS).

- Partnered with the Department of Conservation and Natural Resources in the development of a State Greenways Plan.
- Developed strategies, guidelines, and a handbook for conducting community impact assessments.
- Finalized nine regional intelligent transportation systems (ITS) architectures, and provided information on ITS activities, needs, and ideas on a region-by-region basis to establish a framework for future ITS planning and programming activities.
- Initiated four right-sizing pilot studies: US Route 202, Section 700 in Bucks and Montgomery Counties; PA 41 in Chester County; Erie Bayfront project in Erie County; and PA 23 in eastern Lancaster County.
- The Interagency Land Use Team developed the “Interagency Letter of Understanding Regarding Consistency in Implementation of 2000 Amendments to Pennsylvania Municipalities Planning Code.” Secretary Biehler was one of 10 state agency signatories.
- Completed Airport Hazard Zoning and Land Use Compatibility Study.
- The Community Impact Assessment Handbook was published, providing a process to help evaluate the impacts of proposed transportation actions on a community and its quality of life. ftp://ftp.dot.state.pa.us/public/bureaus/BEQ/finalciahandbook10-05.pdf

2006

- “Access Management: Model Ordinances for Pennsylvania Municipalities Handbook” was updated and published. Training on the purpose and use of access management techniques was available through the Local Technical Assistance Program (LTAP).
- PennDOT’s Sound Land Use Implementation Plan and related initiatives were presented in poster sessions at the American Planning Association (APA) annual conference in San Antonio, Texas and the Pennsylvania Planning Association (PPA) annual conference in Harrisburg.

2007

- Completed the Transportation Impact Fee Handbook that summarizes the pros and cons of using impact fees in Pennsylvania and outlines the process required by the Municipalities Planning Code to establish an impact fee ordinance. www.dot.state.pa.us/Internet/Bureaus/CPDM.nsf/CPMDHomepage?openframeset
- Rail Freight/Aviation Properties Directory Update completed providing a current listing of business and industrial properties at airports and areas served by rail. www.dot.state.pa.us/Internet/Bureaus/pdBRF.nsf/infoRFPWProperties?OpenForm
- Transportation and Land Use Toolkit developed as an educational package providing guidance on linking transportation and land use planning.
- PennDOT released its update to the statewide Long-Range Transportation Plan, the Pennsylvania Mobility Plan.
- Statewide Bicycle and Pedestrian Master Plan approved analyzing the existing system and outlining future maintenance and enhancements necessary to bring comprehensiveness to bicycle and pedestrian modes in Pennsylvania. www.dot.state.pa.us/Internet/Bureaus/pdBikePed.nsf/infoMasterPlanGoals?ReadForm&Click=
- Strike-off letter issued incorporating the Bicycle and Pedestrian Facilities Checklist into PennDOT’s Design Manuals. This checklist is now part of the needs analysis of all PennDOT construction and reconstruction projects. ftp://ftp.dot.state.pa.us/public/pdf/BikePedTrainingManual.pdf
- The PA Byways Guidance Manual was completed, describing the PA Byways Program and how communities can participate. www.dot.state.pa.us/Internet/Bureaus/CPDM.nsf/HomePageByways?OpenForm&AuAutoFrame&BaseTarget=main
Action Summary - At a Glance

Expected Completion
0-1 year  2-5 years  Ongoing

1.0 Education and Training
- 1.1 Linking Planning and NEPA
- 1.2 Right-sizing
- 1.3 Smart Transportation Action Team
- 1.4 Smart Transportation Solutions Guidebook
- 1.5 Environmentally-Sensitive Maintenance

2.0 Tools and Resources
- 2.1 MPO/RPO Long-Range Plan/Program Development
- 2.2 Transportation and Comprehensive Planning Handbook
- 2.3 Transportation and Land Use Information Series
- 2.4 Agility Initiatives
- 2.5 Context-Sensitive Solutions *
- 2.6 Pennsylvania Mobility Plan *
- 2.7 Operations Planning
- 2.8 Municipal Technical Assistance *
- 2.9 Statewide Airport System Plan (SASP) Update
- 2.10 Bicycle and Pedestrian Development

3.0 Interagency Coordination
- 3.1 Keystone Principles & Criteria for Growth, Investment, and Resource Conservation
- 3.2 Agency Coordination Meetings (ACMs)
- 3.3 Interagency Support of Municipal Comprehensive Planning
- 3.4 Work with Governor’s Action Team (GAT)
- 3.5 Collaborative Planning Initiatives

Action items marked with an asterisk (*) have an associated performance measure and implementation target.
### 4.0 Reinvestment in Communities

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<td>0-1 year</td>
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- 4.1 Transportation Enhancement Projects
- 4.2 Transportation Funding and Reform Commission (TFRC) Recommendations
- 4.3 Rail Freight Capital Budget Program
- 4.4 Transportation Project/Land Use Planning Coordination Initiative
- 4.5 Home Town Streets and Safe Routes to School Programs
- 4.6 Pennsylvania Infrastructure Bank
- 4.7 Rail Freight Assistance Program (RFAP)
- 4.8 Transit Revitalization Investment District (TRID) Planning Study Funding

### 5.0 Partnerships with Local Governments

- 5.1 Airport Hazard Zoning and Land Use Compatibility Plan Implementation
- 5.2 Highway Occupancy Permits and Access Covenants
- 5.3 Highway Transfer Program *
- 5.4 Liquid Fuels Funding
- 5.5 Aviation Public Involvement
- 5.6 Land Use, Transportation and Economic Development (LUTED)
- 5.7 Pennsylvania Byways *

### 6.0 Accommodate all Modes

- 6.1 Airport Master Plans *
- 6.2 Yield to Pedestrian Channelizing Device Program
- 6.3 Comprehensive Goods Movement Plan (CGMP)
- 6.4 Intermodal Facilities

Action items marked with an asterisk (*) have an associated performance measure and implementation target.
1.0 Education and Training

1.1 Linking Planning and NEPA
Bureau of Design and Center for Program
Development and Management
PennDOT is updating its transportation project
development and environmental review procedures
to reflect process enhancements and modifications
required by federal legislation as well as PennDOT
departmental initiatives and programs. From the
planning phase through construction, the process
is being made more efficient through early identifi-
cation and coordination on key issues and through
earlier consideration of National Environmental
Policy Act (NEPA) items in the Planning phase,
thereby streamlining project delivery. As part of
this process, project proposals are now examined
for consistency with the Keystone Principles and
Criteria, Right-sizing, and Smart Transportation.
The department will officially rollout the imple-
mentation process in 2008 along with related train-
ing.

1.2 Right-sizing
Center for Program Development and Management
and Bureau of Design
The Right-sizing philosophy involves developing
a “best fit” transportation program or project
(all modes) that meets transportation needs and
considers community and regional goals/objec-
tives, quality of life concerns, economic devel-
velopment initiatives, fiscal constraints, and other
social/environmental criteria. The philosophy of
right-sizing should be carried through all planning,
programming, and project development phases.
Right-sizing does not dismiss meeting the project’s
purpose, need, and objectives, but rather, helps
shape the alternatives/options under consideration.
It is an assessment of whether the project’s scope
is cost-effective and efficient to accomplish. A
Department Strike-Off Letter with the policy was

1.3 Smart Transportation Action Team
Bureau of Design
The Smart Transportation Action Team was formed
in response to recommendations identified during
two Smart Transportation workshops held in 2007.
This Team develops and oversees an overall imple-
mentation plan to incorporate Smart Transportation
principles and decision-making into the everyday
business of PennDOT, and regularly reports to a
Leadership Team on status and progress. The Ac-
tion Team is responsible for initiating five activities
in 2008. These activities include:
- Refine the definition for Smart Transportation.
- Develop a communications plan and related
tools.
- Develop a training program for staff and
partners.
- Revise the Highway Occupancy Permit (HOP)
process.
- Implement the Linking Planning and NEPA
strategy.

1.4 Smart Transportation Solutions Guidebook
Bureau of Design and Center for Program
Development and Management
The Smart Transportation Solutions Guidebook,
a collaborative effort of PennDOT, NJDOT,
and DVRPC, will be finalized and available
for distribution in early 2008. This guidebook
provides both designers and planners with useful
information to improve the coordination of
roadway improvements with community context.
The guidebook offers suggested design criteria
and other Smart Transportation recommendations.
The Department will examine how to include the
guidebook into both its planning and design policies
and procedures.

1.5 Environmentally-Sensitive Maintenance
Bureau of Planning and Research
During 2007, PennDOT’s Local Technical Assistance
Program offered 227 classes and trained 3,905
students. These students are elected and
appointed municipal officials from throughout
Pennsylvania. The training classes are on a
wide variety of topics that are presented with
a sensitivity to environmental concerns and
issues. For example, students are exposed to best
practices in the areas of vegetation control and
management, dirt and gravel road maintenance,
erosion control, bridge maintenance, and
embankment stabilization.
2.0 Tools and Resources

2.1 MPO/RPO Long-Range Plan/Program Development
Center for Program Development and Management
PennDOT published “Developing Regional Long-Range Transportation Plans: A Guide for Pennsylvania Planning Partners” in 2006. This document provides Metropolitan and Rural Planning Organizations a framework to strengthen the long-range transportation plan and to better coordinate planning in tandem with the state, neighboring regions, and localities. The document will be updated in 2008 to reflect revisions to state planning requirements and the current policy directions of PennDOT and other state agencies. The 2006 document is available on the PennDOT website at: ftp://ftp.dot.state.pa.us/public/Bureaus/Cpdm/FinalLRTPGuide.pdf.

2.2 Transportation and Comprehensive Planning Handbook
Center for Program Development and Management
As the fourth of a series of transportation handbooks for Pennsylvania municipalities, the Transportation and Comprehensive Planning Handbook will be developed in 2008. This handbook will serve as a reference guide for local governments in preparing comprehensive plans that better link transportation needs with the future vision for their community. Other handbooks available on the web include access management, transportation impact fees, and noise compatibility. www.dot.state.pa.us/Internet/Bureaus/pdBRF.nsf/Comprehensive%20Rail%20Freight%20Study?ReadForm&Click=

2.3 Transportation and Land Use Information Series
Center for Program Development and Management
In 2008, PennDOT will provide a series of fact sheets for use by municipal officials and other leaders. These fact sheets will be housed on the Department’s website and will offer information on various transportation and land use topics, including Transportation Impact Fees, Transit-Oriented Development (TOD), and Traditional Neighborhood Design.

2.4 Agility Initiatives
Bureau of Municipal Services
The first impression most people (about 125 million annually) form about Pennsylvania is based on the aesthetic conditions of our highways. To date, the award-winning Pilot Roadside Beautification Project has established and recruited private, public, and non-profit groups to maintain nine appealing gardens which are located along state highway right-of-ways for the enjoyment and safety of the traveling public. Products of note are: Publication 461-A, a layperson’s guide on how to work with PennDOT to beautify their local communities; Publication 461, which outlines vegetation appropriate for planting in various areas of Pennsylvania; and an interactive CD entitled Beautify PA Safely which explains how volunteers can stay safe while beautifying our highways.

2.5 Context-Sensitive Solutions
Bureau of Design
Developing Context-Sensitive Solutions (CSS) involves taking a proactive approach to transportation planning, design, and implementation that considers the broad influence of roadways in enhancing communities and natural environments. The focus is on transportation system users, communities, and the surrounding environment, whether it is urban, suburban, rural, and/or scenic or historic. Context-Sensitive Design was originally an initiative of the Federal Highway Administration (FHWA), aimed at improving the way highway projects across the U.S. are developed, constructed, and maintained. PennDOT has embraced FHWA's guidance and continues to provide CSS training and resource materials to Department staff and other transportation professionals. More information and project highlights can be found through PennDOT's website: 65.207.30.22/css/www/.

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<th>Lead Sections/Owner</th>
<th>Performance Measure</th>
<th>Implementation Target</th>
<th>Rating</th>
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<tr>
<td>2.5 Provide CSS training to staff and others</td>
<td>Bureau of Design</td>
<td>Number of design staff trained in CSS</td>
<td>Train at least 50 people in PennDOT and various design-related professionals in 2008</td>
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2.6 Pennsylvania Mobility Plan

**Center for Program Development and Management**

The Pennsylvania Mobility Plan was completed in 2007 and serves as the Commonwealth’s long-range transportation plan. The plan is a decision-making tool to guide future transportation investments and ultimately improve the linkage between transportation, land use, economic development, and environmental stewardship. Several supporting reports are under development including a State of the System Report planned for release in 2008 as part of the Mobility Plan’s integration with the Department’s Strategic Agenda and business planning efforts. The Plan’s Executive Summary, Direction Document, and User’s Guide are available on the web at [www.pamobilityplan.com](http://www.pamobilityplan.com).

2.7 Operations Planning

**Center for Program Development and Management and Bureau of Highway Safety and Traffic Engineering (BHSTE)**

PennDOT has recently developed the Transportation Systems Operations Plan (TSOP) Update 2007 which builds on the foundational 2005 TSOP report. TSOP 2007 focuses on highlighting the current program’s achievements and new statewide directions. Projects include Intelligent Transportation System (ITS) deployments, as well as operations policy development and planning efforts.

During 2007, Pennsylvania’s nine operations regions mainstreamed operations by developing and executing their own Regional Operations Plans (ROPs). In constructing the ROP, each region used TSOP as a starting point, but “right-sized” short and long-term projects to its own specific local needs. These planning efforts support smart transportation by implementing technology and other improvements to minimize congestion, rather than solely focusing on capacity-adding solutions. TSOP statewide projects and ROP priorities will continue to be implemented in the coming year. TSOP and ROP information can be found at [http://paits.org](http://paits.org).

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<th>Action Item</th>
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<tr>
<td>2.6</td>
<td>Center for Program Development and Management</td>
<td>Prepare and distribute the following Mobility Plan documents on an annual basis: (1) Dashboard Report (2) State of the System Report (3) Progress Report</td>
<td>(1) November 2007 (2) December 2008 (3) June 2009</td>
<td>✓</td>
</tr>
</tbody>
</table>
2.8 Municipal Technical Assistance  
Bureau of Planning and Research and Bureau of Municipal Services  
One-on-one technical assistance was provided through the Local Technical Assistance Program (LTAP) to 320 municipalities in 2007. This technical assistance was split between maintenance topics which accounted for 60 of the assists, with the remaining 260 technical assists being on safety-related topics. Many of the technical assistance visits were actually made on-site, in the municipality requesting the assistance. Other responses were made via telephone or email. On-site visits provided assistance on signing concerns, pavement issues, and drainage topics as well as many other maintenance and safety challenges.

2.9 Statewide Airport System Plan (SASP) Update  
Bureau of Aviation  
SASP provides a framework for Pennsylvania aviation and is a valuable tool for the Bureau of Aviation as they promote and preserve the Commonwealth’s aviation resources. In an effort to ensure critical elements of this plan reflect the most current data, the SASP was completed in December 2007 and includes: 1) Enhancements to the Airport Classification structure 2) An evaluation of Pennsylvania National Plan of Integrated Airport System (NPIAS) airports, 3) A new method for evaluating the benefits of potential aviation investments, and 4) A recommended method to identify ideal aviation funding levels. www.dot.state.pa.us/Internet/Bureaus/pdBOA.nsf/AviationHomepage?openframeset

2.10 Bicycle and Pedestrian Development  
Bureau of Highway Safety and Traffic Engineering (BHSTE)  
Advancing the goals of bicyclists and pedestrians is a continuous and varied effort of PennDOT. A range of projects has been initiated through collaboration with regional and community partners in bicycle and pedestrian development. For 2007, PennDOT continued to integrate bicycle and pedestrian modes into the transportation development processes, promote sidewalk construction and use, develop techniques for addressing the intermodal needs of cyclists and pedestrians, provide training courses in both general pedestrian transportation facilities design and ADA facilities design, and include land use awareness in training conducted by the Bureau of Highway Safety and Traffic Engineering, among other initiatives. For 2008, PennDOT will continue its outreach to municipalities with the Walkable Communities Program. Also scheduled for 2008 is a new policy on sidewalk construction, a new policy on ADA accommodation, new enhancements in pedestrian signalization, and additional training on pedestrian facilities design.

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<tr>
<td>2.8</td>
<td>Bureau of Municipal Services</td>
<td>Biennial survey of all municipalities conducted</td>
<td>Maintain 50 percent response rate</td>
<td></td>
</tr>
</tbody>
</table>
3.0 Interagency Coordination

3.1 Keystone Principles & Criteria for Growth, Investment, and Resource Conservation

PennDOT continues to implement the Keystone Principles & Criteria for Growth, Investment, and Resource Conservation as adopted by the Commonwealth in May 2005. These principles and criteria are being used by state agencies to guide investment and support local growth and economic development throughout Pennsylvania. PennDOT will continue to implement the principles and criteria throughout relevant funding programs. In addition, the principles have been included in TIP evaluation guidance for MPO/RPO use as part of the Department’s Linking Planning and NEPA initiative. The Keystone Principles & Criteria can be found in the Appendix or at ftp://ftp.dot.state.pa.us/public/bureaus/ProgCenter/KeystonePrinciplesandCriteria.pdf

3.2 Agency Coordination Meetings (ACMs)

Environmental issues and mitigation alternatives will continue to be discussed and coordinated on a project-by-project basis through monthly ACMs, which bring together PennDOT staff and state and federal resource and regulatory agency representatives. The importance of ACMs will continue to be emphasized as PennDOT rolls out its updated Project Development Process in 2008 (see Action Item 1.1). Through ACM meetings held during the various planning phases, consultation on project alternatives and mitigation requirements can be coordinated as part of the long-range planning and TIP development processes.

3.3 Interagency Support of Municipal Comprehensive Planning

PennDOT coordinates with DCED and other state agencies through the PennDOT Transportation Project/Land Use Planning Coordination Initiative to provide federal transportation planning funds to county and multimunicipal comprehensive planning efforts. These transportation planning funds can be used toward the development of the transportation element of the comprehensive plan. Two comprehensive plan efforts were funded in the 2007-2008 Coordination Initiative round.

3.4 Work with Governor’s Action Team (GAT)

PennDOT works closely with agencies such as DCED in coordination with PennPorts and the Governor’s Action Team on the bio-fuels panel, economic coordinating permit reviews on rail grant projects, and participation on the Fuels Panel. Recently, PennDOT has started working with the Department of Agriculture as a member of the Governor’s Renewable Energy Council. These partnership efforts help PennDOT coordinate economic development opportunities with rail access abilities for better freight movement throughout the Commonwealth.

3.5 Collaborative Planning Initiatives

Efforts are ongoing and expanding to move ahead with collaborative planning initiatives to build multi-jurisdictional, corridor-level, public/private partnerships. The Bureau is coordinating with MPOs, RPOs, PennDOT Districts, and other public and private entities (e.g., railroads) on goods movement efforts throughout Pennsylvania. It is important to continue this type of public/private coordination to encourage freight planning and implementation activities. Freight studies are currently being conducted by the Delaware Valley Regional Planning Commission, SEDA COG, the South Central PA Regional Goods Movement Task Force, and the Williamsport MPO. Others are also beginning to formulate plans to complete studies and develop long-term committees.
DVRPC’s Delaware Valley Goods Movement Task Force is seen as a best practice in the area of collaborative planning, in terms of modes addressed, as well as the regional focus it has beyond just the MPO. These best practices include:

- Executive Leadership promoting direction, importance, agency-wide commitments, and collaboration.

- Data, Planning, and Shippers Subcommittees led by industry chairs spearheading private sector participation, enhancing support for MPO initiatives, and communicating with Task Force members.

- A designated champion mobilizing MPO resources, providing a focal point for the freight community, representing the agency and task force outside of the region, and demonstrating institutional commitment.

- Established meeting schedule, mailing list, and a recurring format.

- Provides recommendations for the Long-Range Plan, TIP, Work Program, Management Systems, Corridors Studies, ITS, and Travel Modeling and Forecasting which are transmitted to the proper Committees.
4.0 Reinvestment in Communities

4.1 Transportation Enhancement Projects
Center for Program Development and Management
With funding from the Federal Highway Administration, PennDOT’s Transportation Enhancements Program has enabled projects totaling $371 million to be awarded over the past decade, enhancing the quality of life in hundreds of communities across Pennsylvania. These projects focus on providing viable and appealing “alternative transportation” options, reducing dependence on motorized forms of transportation, and making it easier and more inviting for Pennsylvanians to get exercise.

Pedestrian and bicycle paths are among the Transportation Enhancement Projects that have been completed by local governments and non-profit corporations. The program has also funded historic preservation, transportation museums, and streetscapes that enrich lives and encourage people to explore sites on foot.

To ensure that funds produce results, the application process favors projects that are well scoped, adequately funded, and ready to be built. Applications can be completed and evaluated online, which simplifies the process for all entities and facilitates statistical analyses.

4.2 Transportation Funding and Reform Commission (TFRC) Recommendations
Center for Program Development and Management
Established by Governor Rendell to investigate and make recommendations to address transportation funding issues of the Commonwealth, the Pennsylvania Transportation Funding and Reform Commission issued its final report and recommendations in 2006. One of the five guiding principles for this work was that transportation must be integrated with land use; economic development; and environmental policies, programs, and goals. As outlined in the commission report executive summary, the commission recommends that PennDOT “Develop an incentive-based funding program to link land use and multimodal community investments through collaboration with partners including municipalities, Metropolitan Planning Organizations, Rural Planning Organizations, and other interested parties.” The Department will form a work group in 2008 to investigate developing such a program in conjunction with ongoing efforts to further advance the Department’s Strategic Agenda for Smart Transportation.

4.3 Rail Freight Capital Budget Program
Bureau of Rail Freight, Ports & Waterways
Since January 2007, twelve (12) Rail Technical Assistance Program (TAP) Capital Budget grants, totaling $20 million, have been awarded for rail freight rehabilitation and construction projects. The projects, when complete, will ensure safety in operations, provide efficient and more reliable service to businesses on the rail lines, create economic development opportunities in the Commonwealth, and reduce long-haul truck traffic on highways. An additional $5 million has also been appropriated for the current grant year Rail TAP grant program. The Bureau is now in the process of evaluating project applications for these additional grant monies.
4.4 Transportation Project/Land Use Planning Coordination Initiative

**Center for Program Development and Management**

PennDOT provides federal transportation planning funds on an annual basis to planning partners for studies that help to coordinate transportation and sound land use planning. More than $3.6 million has been provided for this initiative over the last seven years, with $600,000 to be made available for FY 2008-09. Study requests should be made to the applicant’s respective MPO or RPO. For more information, please visit PennDOT’s Land Use webpage, [www.dot.state.pa.us/Internet/Bureaus/CPDM.nsf/LandUseHomepage](http://www.dot.state.pa.us/Internet/Bureaus/CPDM.nsf/LandUseHomepage).

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**Harrisburg Pike Land Use and Transportation Corridor Study**

The purpose of this study is to develop a vision for the Harrisburg Pike that will accommodate the various planned projects along this corridor over the next 10 to 20 years. This corridor is one of several gateways into Lancaster City. Additional growth and development is anticipated in this area and will put additional traffic demand onto the existing highway. This transportation study is a year-long process, which will wrap up by early summer 2008 at which time the project team will release the findings. The meetings have involved many different stakeholders and have consisted of two public outreach meetings for the public to weigh in on the corridor. The Harrisburg Pike study corridor stretches from Lancaster City westward to State Road, which is Route 722, a distance of 4.5 miles. This stretch crosses several different municipalities. The corridor makeup contains commercial, retail, office buildings, retirement communities, and residential properties.

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**2008-2009 Transportation/Land Use Coordination Initiative Studies:**

- US 322 Corridor in Chester County from Downingtown to Lancaster County line
- Southeast Pennsylvania Regional Transportation, Land Use and Economic Development Integration Strategy and Action Plan
- Delaware Valley Smart Growth Alliance support
- DVRPC Transportation and Community Development Initiative support
- Strategic Conservation Plan for Northern Tier’s five-county region
- Northern Tier Multi-county Greenway Plan
- West Busway/Airport Corridor Transit Oriented Development Assessment
- Regional Growth Management Plan Update for Dauphin, Cumberland, and Perry Counties
- Northern York County Comprehensive Regional Plan
4.0 Reinvestment in Communities (cont’d.)

4.5 Home Town Streets and Safe Routes to School Programs

Center for Program Development and Management

The condition and character of Pennsylvania’s many Main Streets through towns and cities are crucially important to attracting businesses, employees, and customers to town centers, and encouraging safe pedestrian activity. Similarly, the nature of the routes children travel to school influences how many students walk or ride a bike—and how safely they can do so. Encouraging students to walk to school reduces traffic congestion and enhances their health in the near- and long-term. To achieve these benefits, PennDOT established the Home Town Streets and Safe Routes to School Programs in 2004 to expend $200 million on these types of projects. Several projects have been advanced through these programs, which continue to support quality of life enhancements. Specifically, the Home Town Streets program (HTS) funds streetscape improvements within a defined “downtown” area, including sidewalk improvements, planters, benches, street lighting, pedestrian crossings, transit bus shelters, traffic calming, bicycle amenities, signage, and other visual elements. Safe Routes to School, bolstered nationally by SAFETEA-LU, funds projects such as sidewalks, crosswalks, bike lanes or trails, traffic diversion improvements, curb extensions, traffic circles, raised median islands, and walking paths that make it safer for school children to travel to and from school.

For the 2004-2008 Home Town Streets/Safe Routes to School Program period, PennDOT funded 350 projects totaling over $207 million, meeting its implementation target. Two notable examples include:

1. Providence Square Redevelopment Project: This streetscape project included sidewalk, underground vault, and beautification improvements at West Market Street in the City of Scranton. The project also included additional necessary street lighting.

A Phase II for this project is currently underway.

HTS award in the amount of: $375,000
Project Sponsor: North Scranton Neighborhood/Businessmen’s Association

2. State Street Streetscape Improvements: The goal of this project was to return the promenade between the State Capitol Building and the Susquehanna River to a grand vista that will serve to beautify the City and attract visitors.

HTS award in the amount of: $1,000,000
Project Sponsor: City of Harrisburg
4.6 Pennsylvania Infrastructure Bank

*Center for Program Development and Management*

The Pennsylvania Infrastructure Bank (PIB) provides low interest loans to assist in funding transportation projects. The goal of the PIB is to leverage state and federal funds to accelerate priority projects and spur economic development. The PIB can be a useful community reinvestment tool for municipalities.

PIB loans can be used to leverage Home Town Streets/Safe Routes to School and other community projects such as bicycle/pedestrian improvements. The loans are available for highway, bridge, aviation, rail freight, and public transit projects. In 2007, 23 loans were approved with a total value of $20.1 million. These loans leveraged an additional $53.7 million of federal, state, local, and private funds.

4.7 Rail Freight Assistance Program (RFAP)

*Bureau of Rail Freight, Ports & Waterways*

Forty-three grants totaling $10.4 million were awarded for rail freight rehabilitation and construction projects under the 2007 RFAP. The funded projects, when completed, are expected to create new jobs, maintain existing jobs, and help reduce the number of truck trips on the highways annually.

4.8 Transit Revitalization Investment District (TRID) Planning Study Funding

*Center for Program Development and Management and Bureau of Public Transportation*

Act 238 of 2004 promotes community revitalization and transit ridership around existing and planned transit stations by stimulating public/private partners to encourage private sector investment within the designated TRID area. As required by Act 238, planning studies must be undertaken to support the designation and implementation of a TRID. PennDOT assists the Department of Community and Economic Development (DCED) in the review and funding of TRID planning study applications. To date, the state has funded nine TRID studies. The Rochester Borough TRID study was completed in 2007. Guidelines for TRID study funding are available on DCED’s website at www.newpa.com/download.aspx?id=819.
| 5.0 Partnerships with Local Governments |

| 5.1 Airport Hazard Zoning and Land Use Compatibility Plan Implementation |

**Bureau of Aviation**

Pennsylvania’s Bureau of Aviation (BOA) continues efforts to increase the adoption of airport hazard zoning ordinances within the Commonwealth and encourage land development that is compatible with airport operations. These efforts have focused on conveying the importance of airport hazard zoning to those that could effect changes—local officials, representatives, and government associations. A recent PA Supreme Court ruling validated the mandatory nature of the Airport Zoning Act, and as a consequence has encouraged many municipalities to pursue the development of airport hazard zoning ordinances. The Bureau is committed to extending this trend into 2008 as they work with airport sponsors and their municipalities to achieve the ultimate goal—enactment of airport zoning ordinances that protect Pennsylvania’s aviation resources.

| 5.2 Highway Occupancy Permits and Access Covenants |

**Bureau of Traffic Engineering and Operations**

Limiting the number of driveways that connect to state highways improves safety and reduces traffic congestion. PennDOT works closely with municipalities to coordinate access management and related land use issues on state roadways. For example, the land use questionnaire (M950 MPC) was introduced in 2000 as both a requirement of the Municipalities Planning Code for local land use consideration and as a tool for reaching out to communities.

Since January 2004, when the access covenant was implemented (Chapter 7 of PennDOT Publication 170), PennDOT has been successful in requiring applicants for Highway Occupancy Permits to execute an access covenant. This enables PennDOT to prohibit future requests for additional access points along property frontage. As part of PennDOT’s Smart Transportation initiative, the HOP process will be examined and revised to support Smart Transportation principles.
5.3 Highway Transfer Program

Bureau of Municipal Services

In Pennsylvania, nearly 40,000 miles of roadway are owned by the Commonwealth. In some cases, those roadways currently serve a local transportation function and are better suited to being under local jurisdiction. Through the Highway Transfer “Turnback” Program, PennDOT works with municipalities to identify the most appropriate ownership for roads and, when agreed upon, to transfer ownership of state highways to local governments. Putting municipal officials in control of the roads that are high importance to the community, supports Smart Transportation through closer coordination of planning, land use, and community investment decisions. PennDOT provides annual maintenance support to minimize the financial burden on municipalities. In 2006 that support was nearly doubled, to $4,000 per mile, resulting in a more robust program. In 2007, 21.6 miles of roadway were turned back to local governments.

5.4 Liquid Fuels Funding

Bureau of Municipal Services

PennDOT’s Bureau of Municipal Services assists county and municipal governments in managing and prioritizing the use of funds they receive through Liquid Fuels Taxes and in identifying additional sources of revenue for specific projects. Allocations from Liquid Fuels Taxes can be used for reconstruction, maintenance, and repair of local roads and bridges. Eligible uses include other Smart Transportation themes such as land use-related applications including traffic calming activities and congestion management, crosswalks markings, environmentally-sensitive maintenance, promoting local land use planning, and reinvestment in older urban areas. In 2008, in addition to the $301,918,000 in regular Liquid Fuel Funds, a total of $35 million in Act 44 of 2007 funds will be distributed to local governments and counties.

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<tr>
<td><strong>5.3</strong></td>
<td>Bureau of Municipal Service</td>
<td>Total turned-back miles</td>
<td>25 road miles turned back annually</td>
<td>✗</td>
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*Target Implementation Date*
5.5 Aviation Public Involvement

Bureau of Aviation

The Bureau of Aviation actively and formally encourages the involvement of the public in the development of Pennsylvania’s airports. Throughout the initial planning phase of Airport Master Plan development, public and stakeholder input is gathered through several Technical Advisory Committee (TAC) and Citizens Advisory Committee (CAC) meetings. The committees are comprised of local residents, pilots, county and local officials, MPOs, RPOs, and PennDOT District staff. The TAC and CAC meetings aim to ensure that planned airport development is consistent and current with local, regional, and statewide transportation objectives. The public has another opportunity to discuss ideas and concerns with Bureau of Aviation planners, committee members, and community leaders individually during public information work fairs conducted during master plan development. Working with the community is essential to help ensure that planned airport development is consistent with local plans and visions.

5.6 Land Use, Transportation and Economic Development (LUTED)

Center for Program Development and Management

PennDOT is one of five state agencies (Agriculture, Conservation and Natural Resources, Community and Economic Development and Environmental Protection) involved in the LUTED regional planning process. Nine regions across the state are represented by rural and metropolitan planning organizations and are developing regional action plans to better coordinate land use and transportation decision-making for improved economic development opportunities. The regional action plans are expected to be finalized and ready for implementation in 2008.
5.7 Pennsylvania Byways

Center for Program Development and Management

As of January 2008 there are 15 State Highway routes designated as Pennsylvania Byways. In support of local planning efforts, the Department will continue to designate Pennsylvania Byways to enhance and improve the visual quality of specific routes, and to maintain the qualities—natural, archaeological, cultural, scenic, historical, and recreational—that are most valued by the community. Outreach to and education of municipal officials and local groups will take place in 2008 to provide training, using the Revised PA Byways Guidance Manual completed in 2007. This manual includes an electronic form and process for municipal and local groups to use in nominating a particular corridor for inclusion in the program.

The goal of the byways manual is to encourage the inclusion of the Pennsylvania Byways and the Byways Program in County Comprehensive Plans and in Smart Growth, Land Preservation, and Context Sensitive Design initiatives. The Department will continue to partner with municipal and local groups to elevate these routes to obtain national scenic byways designation. The PA Byways Guidance Manual and other related resources can be found at: www.dot.state.pa.us/Internet/Bureaus/CPDM.nsf/HomePageByways?OpenForm&AutoFramed&BaseTarget=main.

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<tr>
<td>5.7</td>
<td>Center for Program Development and Management</td>
<td>Conduct training on new guidelines and Byways Manual</td>
<td>Complete training by fall 2009</td>
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</table>
6.0 Accommodate all Modes

6.1 Airport Master Plans

*Bureau of Aviation*

PennDOT’s Bureau of Aviation assists the owners of all public use airports in Pennsylvania in updating their Airport Layout Plans and supporting documents every five years according to federal requirements. While ensuring compliance with the Federal Aviation Administration (FAA), accurate and complete Airport Layout Plans (ALP) are important tools that support the Airport Master Plan process and other planning activities. In addition, an annual planning session is held to help airport sponsors develop their Twelve-Year Plan, which is a tool to program and fund airport development projects. The session encourages stakeholders to contribute to the airport planning process.

6.2 Yield to Pedestrian Channelizing Device Program

*Bureau of Highway Safety and Traffic Engineering (BHSTE)*

Since the program was launched in 2001, PennDOT has distributed approximately 4,500 Yield to Pedestrian Channelizing Devices (YTPCD) to municipalities. The devices are placed at non-signalized intersections and mid-block crosswalks to bring drivers’ attention to crossing pedestrians. These devices can promote walkability in a community by enhancing safety for pedestrians. Over 700 devices were distributed in 2007. Demand is still strong and another 900 devices have been ordered for 2008, with the supply being replenished as needed. The program is managed and funded by BHSTE with substantial managerial assistance from the District bicycle and pedestrian coordinators.

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<tr>
<td>6.1</td>
<td>Have current approved Airport Layout Plan (ALP) on file for all Advanced, Intermediate, and Basic public airports in Pennsylvania</td>
<td>Bureau of Aviation</td>
<td>Update all ALPs more than five years old including supporting documentation</td>
<td>80 percent complete</td>
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</table>
6.3 Comprehensive Goods Movement Plan (CGMP)  
*Bureau of Rail Freight, Ports & Waterways*

The Comprehensive Rail Freight Study and State Rail Plan were completed in 2003. Increasing congestion and demand on our transportation resources has made apparent the need for a Comprehensive Goods Movement Plan to address freight movement by all transportation modes in the Commonwealth that will:

1. Identify significant freight issues, trends, and forecasts, and the implications and impacts for the Commonwealth.
2. Advance an implementation package of multimodal and intermodal freight goals, strategies, and actions in partnership with carriers, shippers, economic developers, and other significant stakeholders.
3. Identify ways to improve freight development in support of Pennsylvania economic development.
4. Refine the Core PA Transportation System with respect to strategic freight facilities, and identify related short-term and long-term priority investments with a companion funding plan.
5. Comprehensively address the full range of institutional aspects of freight integration within PennDOT and its planning partners.

6.4 Intermodal Facilities  
*Bureau of Public Transportation*

PennDOT is working to make public transit more accessible and coordinated with other modes. Constructing intermodal facilities brings multiple modes together in a central location, making connections easier for users and supporting sound land use strategies.

County of Lackawanna Transit System (COLTS) will start construction of their Intermodal Facility in May 2008. The facility will serve as a hub for COLTS, Martz Group inter-city buses, and the Steamtown National Park trolley excursions. In the future, COLTS hopes to serve commuter trains to Hoboken, New Jersey. The design is a replica of a 1900 train station. Estimated cost for the facility is $12 million. The estimated completion date for construction is Summer 2009.

Hazelton Public Transit (HPT) plans to start construction of their Intermodal Facility in Spring 2008. The facility will serve as a hub for HPT and inter-city buses. Estimated cost for the facility is $10 million. The estimated completion date for construction is Summer 2009.

In addition to public transportation intermodal facilities, PennDOT and its Planning Partners (MPOs/RPOs) are developing and improving other types of intermodal facilities. One example is DVRPC’s Freight Planning Program. This program includes a number of freight planning efforts, including the National Highway Systems Connectors to Freight Facilities study and Good Neighbor Practices. Respectively, these tools identify and evaluate key first/last mile connector roads to/from 11 intermodal facilities, and a matrix of good planning practices to balance freight transportation and operations with community concerns. [http://www.dvrpc.org/transportation/multimodal/freight.htm](http://www.dvrpc.org/transportation/multimodal/freight.htm)
Realizing the Benefits of Smart Transportation

PennDOT will continue to use Smart Transportation themes in its programs, policies, and actions. In terms of projects, these themes can be applied to corridor and access management, street design, network connectivity and capacity issues, preservation of open space and farmland, and developing the best transportation solutions for communities and regions. The growing recognition of transportation’s relationship to global climate change and public health will also receive increased attention as the built environment can encourage or discourage alternative forms of transportation, such as walking, bicycling, and transit use.

PennDOT is fully invested in realizing the benefits of Smart Transportation and implementing improvements that all of Pennsylvania can learn from. Many of the pilot projects and initiatives have reinforced the importance of involving the public early and often in the planning process. Public involvement has encouraged coordination between municipalities, and an opportunity for open discussion about and education on Smart Transportation themes, in a variety of communities.

In 2008 PennDOT will further work to integrate Smart Transportation into its existing programs, policies, and actions. Champions and Pro-Teams will be established for internal and external assistance, additional financial incentives and flexibility will be offered to PennDOT’s partners, and the Highway Occupancy Program will be better aligned with Smart Transportation. Education, both internal and external, will continue to take place, to build a common understanding on what Smart Transportation is and how it can be incorporated into a project, policy, or action.

Measuring success with Smart Transportation starts with the action items identified in this report. It continues with a process of building up buy-in, and enlisting help from a variety of partners, each identifying their own measure of Smart Transportation success in their project development and selection process.

Though these efforts will not be without challenges, with the help of PennDOT’s diverse and numerous partners, the strategic agenda for Smart Transportation will serve as the cornerstone program for realizing the benefits of linking land use and transportation.
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<td>Work with Governor’s Action Team (GAT)</td>
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<td>Yield to Pedestrian Channelizing Device Program</td>
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Appendix


PREAMBLE

The Keystone Principles & Criteria for Growth, Investment, and Resource Conservation were adopted by the Economic Development Cabinet on May 31, 2005. They were developed by the Interagency Land Use Team, a working group of the Cabinet, over two years. The Principles & Criteria are designed as a coordinated interagency approach to fostering sustainable economic development and conservation of resources through the state’s investments in Pennsylvania’s diverse communities.

The Principles lay out general goals and objectives for economic development and resource conservation agreed upon among the agencies and programs that participated in their development. The Criteria are designed to help measure the extent to which particular projects accomplish these goals.

The Criteria do not replace agency program guidelines or criteria. Rather, at each agency’s discretion, they will either be integrated into existing program criteria (preferable), or used as additional, favorable considerations in the scoring or decision-making process. The Principles & Criteria are designed to encourage multifaceted project development that will integrate programs and funding sources from a variety of state agencies, into a comprehensive strategy to address issues affecting whole communities.

There are two categories of criteria:

Core Criteria, where relevant, should be given primary consideration in all investment decisions made by Commonwealth agencies when making grants or loans to public or private projects using agency funds.

Preferential Criteria should be used by Commonwealth agencies in all programs to which they are applicable to evaluate projects and make decisions on grants or loans using agency funds. Projects are to be evaluated with the recognition that rural, suburban, and urban areas have different characteristics and needs, and that what might work in an urban area might not work in a rural area (the “Be Fair” standard).


1. Redevelop first
2. Provide efficient infrastructure
3. Concentrate development
4. Increase job opportunities
5. Foster sustainable businesses
6. Restore and enhance the environment
7. Enhance recreational and heritage resources
8. Expand housing opportunities
9. Plan regionally; implement locally
10. Be fair
## Criteria for Growth, Investment, and Resource Conservation
Implementing the Keystone Principles & Criteria

### I. Core Criteria

1. **Project avoids or mitigates high hazard locations** (e.g., floodplain, subsidence, or landslide-prone areas).
2. **Project/infrastructure does not adversely impact** environmentally-sensitive areas, productive agricultural lands, or significant historic resources.
3. **Project in suburban or rural area**: Project and supporting infrastructure are consistent with multi-municipal or county and local comprehensive plans and implementing ordinances, and there is local public/private capacity, technical ability, and leadership to implement project.
4. **Project in “core community”** (city, borough, or developed area of township): Project is supported by local comprehensive vision and plan, and there is local public/private capacity, technical ability, and leadership to implement project.
5. **Project supports other state investments and community partnerships**.

### II. Preferential Criteria

1. Development/site location
2. Efficient infrastructure
3. Density, design, and diversity of uses
4. Expand housing opportunities
5. Increase job opportunities
6. Foster sustainable businesses
7. Restore/enhance environment
8. Enhance recreational/heritage resources
9. Plan regionally; implement locally
List of Terms and Acronyms

ACMs - Agency Coordination Meetings
ACMs are monthly meetings for PennDOT staff and state and federal representatives to discuss and coordinate environmental issues and mitigation alternatives.

ADA - Americans with Disabilities Act
The Americans with Disabilities Act was signed into law on July 26, 1990. The ADA is a wide-ranging civil rights law that prohibits, under certain circumstances, discrimination based on disability.

APA - American Planning Association
A non-profit public interest and research organization committed to advancing the art and science of planning to meet the needs of people and society.

CAC - Citizens Advisory Committee
A CAC typically gathers public and stakeholder comments and questions for projects or programs during their development, to provide input and help evaluate consistency and currency with local, regional, and statewide transportation objectives.

CIA - Community Impact Assessment
CIA is a process used by PennDOT to evaluate the impacts of proposed transportation actions on a community and its quality of life.

CSS - Context-Sensitive Solutions
CSS is an interdisciplinary approach to improve a transportation project that fits its physical and environmental setting while maintaining and enhancing communities and the natural environment.

DVRPC - Delaware Valley Regional Planning Commission
DVRPC is the interstate MPO for Philadelphia, Bucks, Montgomery, Delaware, and Chester Counties in Pennsylvania, and Mercer, Burlington, Camden, and Gloucester Counties in New Jersey.

DCED - Department of Community and Economic Development
Department of state government which fosters opportunities for businesses and communities to succeed and thrive in Pennsylvania.

FHWA - Federal Highway Administration
Agency of the U.S. Department of Transportation responsible for providing financial and technical support to the nation’s roads and highways.

HOP - Highway Occupancy Permit
PennDOT is authorized under Chapters 441 and 459 of the State Highway Law to issue Highway Occupancy Permits for occupancy of state highway right-of-way, including opening the surface, placing a facility or structure, or opening an access.

ITS - Intelligent Transportation Systems
An integrated system of technical devices to improve the efficiency of transportation services for a region.

LTAP - Local Technical Assistance Program
LTAP provides training and information to local governments on their transportation maintenance responsibilities.

MPO - Metropolitan Planning Organization
Identified in federal transportation authorization legislation as a forum for cooperative transportation decision-making and designated by the governor for metropolitan areas with population of at least 50,000. MPOs are PennDOT planning partners, and in cooperation with PennDOT and other transportation providers, are responsible for the preparation of a metropolitan transportation plan and a transportation improvement program.

NEPA - National Environmental Policy Act
Federal legislation passed in 1970 which mandates that environmental impacts of actions and alternatives to actions be considered for projects receiving federal funding.

Planning Partners
PennDOT works in partnership with regional planning entities throughout Pennsylvania; partners include the MPOs, RPOs, and Franklin County.

PPA - Pennsylvania Planning Association
Pennsylvania’s chapter of APA.

RFAP - Rail Freight Assistance Program
PennDOT grant program which provides financial assistance for investment in rail freight infrastructure, preserving essential rail freight service where economically feasible, and stimulating economic development through the generation of new or expanded rail freight service.

Regional Freight Capital Budget Grants
PennDOT grants which provide investment in rail freight rehabilitation and construction projects.

ROP - Regional Operations Plan
Nine operations regions in Pennsylvania develop and execute their own ROP that describes short and long-term programs and projects to improve transportation options and fit specific local needs.
List of Terms and Acronyms (cont’d.)

Right-sizing
Right-sizing is PennDOT’s “best fit” approach to design and construct projects that meet transportation needs and consider community and regional goals and objectives, quality of life concerns, economic development initiatives, fiscal constraints, and other social and environmental considerations. The purpose of right-sizing is to create a reasonable constructible and rightsized project alternative that balances costs and environmental and property impacts, while still satisfying the area’s transportation, land use, and socioeconomic goals.

RPO - Rural Planning Organization
A rural area regional planning body that can consist of one or more rural counties or other jurisdictions, but does not include any metropolitan areas. RPOs are PennDOT planning partners with a modified list of planning requirements.

SAFETEA-LU - Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users

SASP - Statewide Airport System Plan
The SASP provides a framework for Pennsylvania aviation. It includes enhancements to the Airport Classification structure, an evaluation of Pennsylvania National Plan of Integrated Airport System (NPIAS) airports, a new method for evaluating the benefits of potential aviation investments, and a recommended method to identify ideal aviation funding levels.

SEDA-COG - Susquehanna Economic Development Association-Council of Governments
SEDA-COG is the RPO for Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties.

TRID - Transportation Revitalization Investment District
State legislation, Act 238 of 2004, gives state support to municipalities and transit agencies who partner to establish Transportation Revitalization Investment Districts to achieve transit-oriented development, redevelopment, and community revitalization.

TOD - Transit-Oriented Development
Mixed-use, higher density, pedestrian scale development centered around transit stops and transportation centers, usually within a one-quarter- to one-half-mile radius.

TEA-21 - Transportation Equity Act for the 21st Century
Federal authorizing legislation before SAFETEA-LU.

TFRC - Transportation Funding and Reform Commission
Nine-member commission created by Executive Order of Governor Rendell in 2005 to investigate and make recommendations concerning the state of transportation funding in Pennsylvania.

TIP - Transportation Improvement Program
A TIP is a program of transportation projects for highway/bridge and transit improvements. In Pennsylvania, TIPs cover a four-year timeframe and are developed by MPOs and RPOs in cooperation with PennDOT and other transportation providers. They are fiscally constrained by year, updated at least every two years, and conform to the State Implementation Plan for air quality and the air quality standards established by the Environmental Protection Agency (EPA), where applicable.

TRID - Transportation Revitalization Investment District
State legislation, Act 238 of 2004, gives state support to municipalities and transit agencies who partner to establish Transportation Revitalization Investment Districts to achieve transit-oriented development, redevelopment, and community revitalization.

TSOP - Transportation Systems Operations Plan
TSOP focuses on the foundational elements that support operational activities statewide. It emphasizes projects and actions most likely to improve transportation system reliability and customer satisfaction. The 19 projects identified in the plan constitute an initial, five-year program focused on incident management, congestion mitigation, and traveler information. Project priorities include operations mainstreaming, ITS maintenance, standards and procedures, resource management, information technology, and intermodal support.
Appendix

PennDOT Districts and Planning Partners
### PennDOT Districts and Planning Partners (cont’d.)

<table>
<thead>
<tr>
<th>District</th>
<th>Address</th>
<th>Bicycle/Pedestrian Coordinator</th>
<th>TE/HTS/SRTS * Coordinator</th>
<th>Byways Coordinator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-0</td>
<td>255 Elm Street Oil City, PA 16301</td>
<td>Christine Boyer-Krantz <a href="mailto:chboyer@state.pa.us">chboyer@state.pa.us</a> (814) 678-7379</td>
<td>Christine Boyer-Krantz <a href="mailto:chboyer@state.pa.us">chboyer@state.pa.us</a> (814) 678-7379</td>
<td>Erin Wiley <a href="mailto:ewiley@state.pa.us">ewiley@state.pa.us</a> (814) 678-7006</td>
</tr>
<tr>
<td>2-0</td>
<td>1924-30 Daisy Street Clearfield, PA 16830</td>
<td>Ray Kauffman <a href="mailto:rakauffman@state.pa.us">rakauffman@state.pa.us</a> (814) 765-0502</td>
<td>Vickie Rusnak <a href="mailto:virusnak@state.pa.us">virusnak@state.pa.us</a> (814) 785-0441</td>
<td>Vickie Rusnak <a href="mailto:virusnak@state.pa.us">virusnak@state.pa.us</a> (814) 785-0441</td>
</tr>
<tr>
<td>3-0</td>
<td>715 Jordan Avenue Montoursville, PA 17754</td>
<td>Chris King <a href="mailto:chriking@state.pa.us">chriking@state.pa.us</a> (570) 368-4222</td>
<td>Chris King <a href="mailto:chriking@state.pa.us">chriking@state.pa.us</a> (570) 368-4222</td>
<td>Chris King <a href="mailto:chriking@state.pa.us">chriking@state.pa.us</a> (570) 368-4222</td>
</tr>
<tr>
<td>4-0</td>
<td>P.O. Box 111 Scranton, PA 18501</td>
<td>April Hannon <a href="mailto:ahannon@state.pa.us">ahannon@state.pa.us</a> (570) 963-4076</td>
<td>April Hannon <a href="mailto:ahannon@state.pa.us">ahannon@state.pa.us</a> (570) 963-4076</td>
<td>April Hannon <a href="mailto:ahannon@state.pa.us">ahannon@state.pa.us</a> (570) 963-4076</td>
</tr>
<tr>
<td>5-0</td>
<td>1002 Hamilton Boulevard Allentown, PA 18103</td>
<td>Steve Pohowsky <a href="mailto:spohowsky@state.pa.us">spohowsky@state.pa.us</a> (610) 871-4490</td>
<td>James McGee, P.E. <a href="mailto:jamcgee@state.pa.us">jamcgee@state.pa.us</a> (610) 871-4550</td>
<td>Amanda Leindecker <a href="mailto:Aleindecke@state.pa.us">Aleindecke@state.pa.us</a> (610) 871-4552</td>
</tr>
<tr>
<td>6-0</td>
<td>7000 Geerdes Boulevard King of Prussia, PA 19406</td>
<td>Steve Dunlop <a href="mailto:sdunlop@state.pa.us">sdunlop@state.pa.us</a> (610) 205-6996</td>
<td>Linda Guarini <a href="mailto:lguarini@state.pa.us">lguarini@state.pa.us</a> (610) 205-6950</td>
<td>Linda Guarini <a href="mailto:lguarini@state.pa.us">lguarini@state.pa.us</a> (610) 205-6950</td>
</tr>
<tr>
<td>8-0</td>
<td>2140 Herr Street Harrisburg, PA 17103</td>
<td>David Holcombe <a href="mailto:dholcombe@state.pa.us">dholcombe@state.pa.us</a> (717) 783-2560</td>
<td>David Holcombe <a href="mailto:dholcombe@state.pa.us">dholcombe@state.pa.us</a> (717) 783-2560</td>
<td>David Holcombe <a href="mailto:dholcombe@state.pa.us">dholcombe@state.pa.us</a> (717) 783-2560</td>
</tr>
<tr>
<td>9-0</td>
<td>1620 N. Juniata St. Hollidaysburg, PA 16648</td>
<td>Tom Holsinger <a href="mailto:tholsinger@state.pa.us">tholsinger@state.pa.us</a> (814) 696-7154</td>
<td>Dave Lybarger <a href="mailto:dlybarger@state.pa.us">dlybarger@state.pa.us</a> (814) 696-7178</td>
<td>Randy Hillegass <a href="mailto:rhillegass@state.pa.us">rhillegass@state.pa.us</a> (814) 696-7166</td>
</tr>
<tr>
<td>10-0</td>
<td>P.O. Box 429 Indiana, PA 15701-0429</td>
<td>James Vautar <a href="mailto:jvautar@state.pa.us">jvautar@state.pa.us</a> (724) 357-2550</td>
<td>Alicia Kavulic <a href="mailto:akavulic@state.pa.us">akavulic@state.pa.us</a> (724) 357-7614</td>
<td>James Vautar <a href="mailto:jvautar@state.pa.us">jvautar@state.pa.us</a> (724) 357-7989</td>
</tr>
<tr>
<td>11-0</td>
<td>45 Thoms Run Road Bridgeville, PA 15017</td>
<td>Malek Francis <a href="mailto:mfrancis@state.pa.us">mfrancis@state.pa.us</a> (412) 429-4949</td>
<td>Bob Slagel <a href="mailto:rslagel@state.pa.us">rslagel@state.pa.us</a> (412) 429-4926</td>
<td>Patrick Roberts <a href="mailto:paroberts@state.pa.us">paroberts@state.pa.us</a> (412) 429-4857</td>
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* TE - Transportation Enhancements, HTS - Home Town Streets, SRTS - Safe Routes to School
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<tr>
<td>Altoona</td>
<td>Blair County Planning Commission</td>
<td>Wes Burket Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>Valley View Home Wing E</td>
<td>(814) 940-5980</td>
</tr>
<tr>
<td></td>
<td>301 Valley View Boulevard, East Wing</td>
<td><a href="mailto:wlbcbcpc@atlanticbbn.net">wlbcbcpc@atlanticbbn.net</a></td>
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<tr>
<td></td>
<td>Altoona, PA 16602-6409</td>
<td></td>
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<tr>
<td>Centre</td>
<td>Centre Region Planning Commission</td>
<td>Tom Zilla Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>2643 Gateway Drive, Suite #4</td>
<td>(814) 231-3050</td>
</tr>
<tr>
<td></td>
<td>State College, PA 16801</td>
<td><a href="mailto:tzilla@crcog.net">tzilla@crcog.net</a></td>
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<tr>
<td>Erie</td>
<td>Erie County Department of Planning</td>
<td>Jacob Morgan Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>Erie County Court House, Room 119</td>
<td>(814) 451-6012</td>
</tr>
<tr>
<td></td>
<td>140 West 6th Street</td>
<td><a href="mailto:jmorgan@eriecountygov.org">jmorgan@eriecountygov.org</a></td>
</tr>
<tr>
<td></td>
<td>Erie, PA 16501</td>
<td></td>
</tr>
<tr>
<td>Hagerstown, MD</td>
<td>Hagerstown/Eastern Pandle MPO</td>
<td>Jill Baker Planner</td>
</tr>
<tr>
<td>(partially in</td>
<td>Washington County Administrative Annex</td>
<td>(240) 313-2433</td>
</tr>
<tr>
<td>Franklin County)</td>
<td>80 West Baltimore Street</td>
<td><a href="mailto:jbaker@washco-md.net">jbaker@washco-md.net</a></td>
</tr>
<tr>
<td></td>
<td>Hagerstown, MD 21740-6003</td>
<td></td>
</tr>
<tr>
<td>Harrisburg</td>
<td>Tri-County Regional Planning Commission</td>
<td>Diane Myers-Krug Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>Dauphin County Veterans Memorial Office Building</td>
<td>(717) 234-2639</td>
</tr>
<tr>
<td></td>
<td>112 Market Street, 2nd Floor</td>
<td><a href="mailto:dkrug@tcrpc-pa.org">dkrug@tcrpc-pa.org</a></td>
</tr>
<tr>
<td></td>
<td>Harrisburg, PA 17101-2015</td>
<td></td>
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<tr>
<td>Johnstown</td>
<td>Cambria County Planning Commission</td>
<td>Dave Belz Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>401 Candelight Drive, Suite 213</td>
<td>(814) 472-2108</td>
</tr>
<tr>
<td></td>
<td>Ebensburg, PA 15931</td>
<td><a href="mailto:dbelz@co.cambria.pa.us">dbelz@co.cambria.pa.us</a></td>
</tr>
<tr>
<td>Lancaster</td>
<td>Lancaster County Planning Commission</td>
<td>David Royer Director for Transportation</td>
</tr>
<tr>
<td></td>
<td>50 North Duke Street</td>
<td>Planning</td>
</tr>
<tr>
<td></td>
<td>P O Box 83480</td>
<td>(717) 299-8333</td>
</tr>
<tr>
<td></td>
<td>Lancaster, PA 17608-3480</td>
<td><a href="mailto:royerd@co.lancaster.pa.us">royerd@co.lancaster.pa.us</a></td>
</tr>
<tr>
<td>Scranton-Wilkes Barre</td>
<td>Lackawanna County Regional Planning Commission</td>
<td>Steve Pitioniak Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>507 Linden Street, 5th Floor</td>
<td>(570) 963-6826</td>
</tr>
<tr>
<td></td>
<td>Scranton, PA 18503</td>
<td><a href="mailto:pitioniak@lackawannacounty.org">pitioniak@lackawannacounty.org</a></td>
</tr>
<tr>
<td></td>
<td>Luzerne County Planning Commission</td>
<td>Nancy Snee Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>Penn Place, Suite 208</td>
<td>(570) 825-1564</td>
</tr>
<tr>
<td></td>
<td>20 North Pennsylvania Avenue</td>
<td><a href="mailto:nancy.snee@luzernecounty.org">nancy.snee@luzernecounty.org</a></td>
</tr>
<tr>
<td></td>
<td>Wilkes-Barre, PA 18701</td>
<td></td>
</tr>
<tr>
<td>Lehigh Valley</td>
<td>Lehigh Valley Planning Commission</td>
<td>Joe Gurinko Chief Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>961 Marcon Boulevard, Suite 310</td>
<td>(610) 264-4544</td>
</tr>
<tr>
<td></td>
<td>Allentown, PA 18109</td>
<td><a href="mailto:jlg@lvpc.org">jlg@lvpc.org</a></td>
</tr>
<tr>
<td>DVRPC</td>
<td>Delaware Valley Regional Planning Commission</td>
<td>Elizabeth Schoonmaker Manager, Office of</td>
</tr>
<tr>
<td></td>
<td>190 North Independence Mall West 8th Floor</td>
<td>Capital Programs</td>
</tr>
<tr>
<td></td>
<td>Philadelphia, PA 19106-1520</td>
<td>(215) 238-2938</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="mailto:eschoonmaker@dvrpc.org">eschoonmaker@dvrpc.org</a></td>
</tr>
<tr>
<td>SPC</td>
<td>Southwestern Pennsylvania Commission</td>
<td>Ken Flack Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>425 Sixth Avenue, Suite 2500</td>
<td>(412) 391-5590 ext 311</td>
</tr>
<tr>
<td></td>
<td>Pittsburgh, PA 15219-1819</td>
<td><a href="mailto:kflack@spcregion.org">kflack@spcregion.org</a></td>
</tr>
<tr>
<td>Reading</td>
<td>Berks County Planning Commission</td>
<td>Alan Piper Transportation Planner</td>
</tr>
<tr>
<td></td>
<td>Berks County Services Center</td>
<td>(610) 478-6300</td>
</tr>
<tr>
<td></td>
<td>633 Court Street, 14th Floor</td>
<td><a href="mailto:apiper@countyofberks.com">apiper@countyofberks.com</a></td>
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### PennDOT Districts and Planning Partners (cont’d.)

<table>
<thead>
<tr>
<th>MPO</th>
<th>Address</th>
<th>Contact Information</th>
</tr>
</thead>
</table>
| Shenango Valley | Mercer County Regional Planning Commission  
2491 Highland Road  
Hermitage, PA 16148 | Matthew Stewart  
Transit Planner  
(724) 981-2412  
mstewart@mcrpc.com |
| Lebanon | Lebanon County Planning Department  
Municipal Building, Room 206  
S. 8th Street  
Lebanon, PA 17042-6794 | Jonathan Fitzkee  
Transportation Planner  
(717) 274-2801  
jfitzkee@lebcnty.org |
| Williamsport | Lycoming County Planning Commission  
Court House, 4th Floor  
48 West 3rd Street  
Williamsport, PA 17701 | Mark Murawski  
Transportation Planner  
(570) 320-2138  
mark.marawski@lyco.org |
| York | York County Planning Commission  
28 East Market Street  
York, PA 17401-1580 | Donald Bubb  
Sr. Chief of Transportation Planning & Traffic Engineering  
(717) 771-9870  
dbubb@ycpc.org |

<table>
<thead>
<tr>
<th>RPO</th>
<th>Address</th>
<th>Contact Information</th>
</tr>
</thead>
</table>
| Franklin County | Franklin County Planning Commission  
218 North Second Street  
Chambersburg, PA 17201 | Sherri Clayton  
(717) 261-3855  
sclayton@co.franklin.pa.us |
| NEPA | Northeastern Pennsylvania Alliance  
1151 Oak Street  
Pittston, PA 18640-3795 | Alan Baranski  
Community and Government Vice President  
(570) 655-5581  
abaranski@nepa-alliance.org |
| Southern Alleghenies | Southern Alleghenies Planning and Development Commission  
541 58th Street  
Altoona, PA 16602 | Chris Allison  
Transportation Planner  
(814) 949-6520  
callison@sapdc.org |
| SEDA-COG | SEDA-COG  
201 Furnace Road  
Lewisburg, PA 17837 | Mark Duceman  
AICP Programs Director  
Transportation Planning  
(570) 524-4491  
mduceman@@seda-cog.org |
| Northern Tier | Northern Tier Regional Planning and Development Commission  
312 Main Street  
Towanda, PA 18848 | Rick Biery  
Transportation Planner  
(570) 265-9103  
bierynortherntier.org |
| Northwest | Northwest Pennsylvania Regional Planning and Development Commission  
395 Seneca Street - PO Box 1127  
Oil City, PA 16301 | Bob Skarada  
Transportation Planner  
(814) 677-4800  
bobs@nwcommission.org |
| North Central | North Central PA Regional Planning and Development Commission  
651 Montmorenci Avenue  
Ridgway, PA 15853 | Amy Kessler  
Transportation Planner  
(814) 773-3162  
amy@ncentral.com |
| Adams | Adams County Office of Planning and Development  
19 Baltimore Street, Suite 101  
Gettysburg, PA 17325 | Andy Merkel  
Transportation Planner  
(717) 337-9824  
amerkel@adamscounty.us |