Green Infrastructure, Eco-Logical, and Planning and Environmental Linkages (PEL)

Mike Ruth
Federal Highway Administration
November 3, 2014
Agenda

- Transportation Planning
- Green Infrastructure Planning
- Integrated Planning
  - Planning and Environmental Linkages (PEL)
  - Eco-logical
- Putting It All Together
Transportation Planning

- Cooperative, continuing, and comprehensive
- Long-term and short-term
- Large and small geographies
Federal Environmental Laws & EOs Affecting Transportation
Green Infrastructure Planning
Integrated Planning

- **Planning and Environmental Linkages**: Supports the early consideration of environmental issues in transportation planning.
- **Eco-Logical**: Endorses ecosystem-based mitigation through partnerships.

These approaches both relate to and support **green infrastructure**.
Planning and Environmental Linkages (PEL): Traditional vs. Ideal State of the Practice

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<th>Transportation Planning</th>
<th>Programming/Funding</th>
<th>Environmental Review</th>
<th>Right-of-Way, Design</th>
<th>Construction, Maintenance, Operations</th>
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<td>• Environmental Issues</td>
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What is Eco-Logical?

- An ecosystem methodology for planning and developing infrastructure projects
- Developed by eight Federal agency partners and four State DOTs
- Collaboration between transportation, resource, and regulatory agencies to integrate their plans and identify environmental priorities across an ecosystem

www.environment.fhwa.dot.gov/ecological/eco_entry.asp
Eco-Logical and Green Infrastructure: Houston-Galveston Tool

[Map of Brazoria County with color-coded areas for different types of vegetation]

[Image of Galveston Bay]

www.h-gac.com/go/eco-logical
PEL and Green Infrastructure

Maryland

Prince George’s County

www.pgplanning.org/Projects/Ongoing_Plans_and_Projects/Environmental/Green_Infrastructure.htm

www.conservationfund.org/wp-content/uploads/2012/10/Sustainable-Chesapeake-Chapter-3-GI-Planning-PG-County.pdf
Inputs and Outputs

PEL

Improved outcomes and relationships

- Conservation priorities
- Mitigation tools and approaches
- Transportation information

- Green infrastructure
- Mitigation tools and approaches

- Eco-Logical
Mutually Reinforcing Concepts

**Green Infrastructure**
- Ecosystem approach to conservation
- Plans and documents

**Eco-Logical**
- Ecosystem approach to development and mitigation
- Performance management
- Ecosystem approach
- Framework
- Integrated planning
- Proactive contacts
- Information sharing
- Interagency cooperation
- Balanced priorities
- Improved outcomes
- Tools and techniques
- Streamlined processes
- Reduced redundancies

**PEL**
- Streamlined processes
- Reduced redundancies
- Balanced priorities
- Improved outcomes
For More Information

- Planning and Environmental Linkages (PEL): www.environment.fhwa.dot.gov/integ/
- Green Infrastructure: www.americanrivers.org/initiatives/pollution/green-infrastructure/what-is-green-infrastructure/

Contact: Mike Ruth (mike.ruth@dot.gov)