PEACH Roads Overview

PEACH Roads
Preserving Environment And Community Heritage

Department of Transportation
Bob Galante, P.E., Construction Engineer

Board of Commissioners Work Session
November 23, 2010 at 1:30pm

PEACH Roads

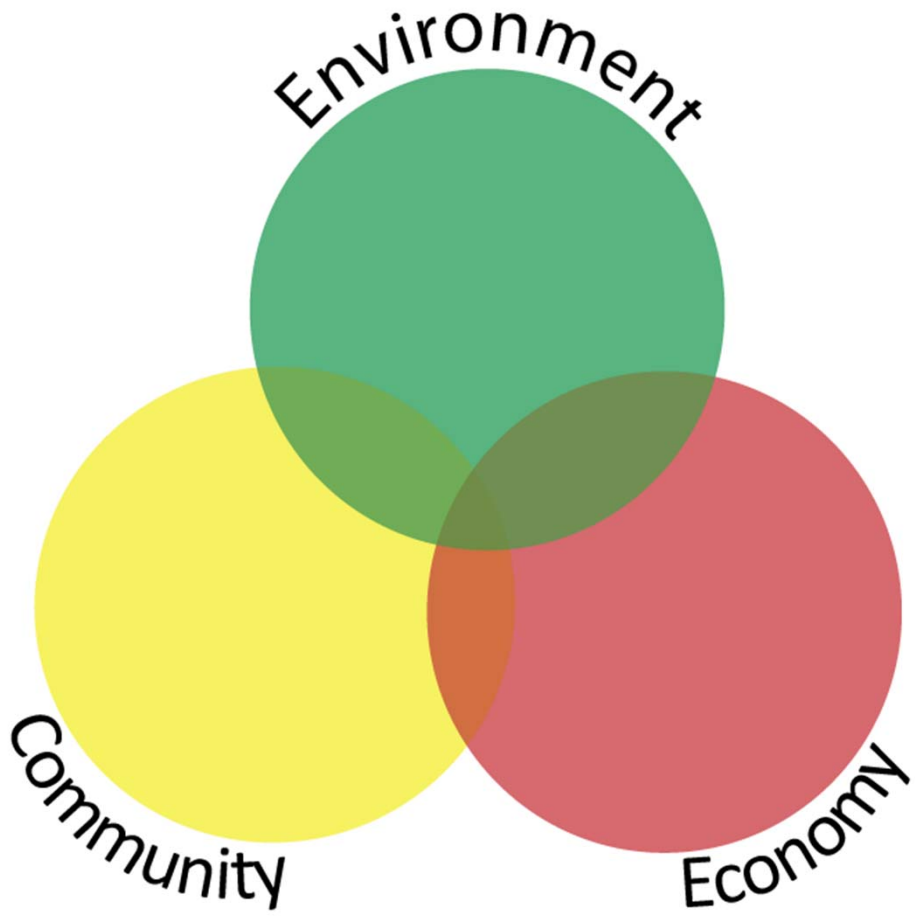
Preserving Environment And Community Heritage

Why implement PEACH Roads?

Cobb County's First Roundabout

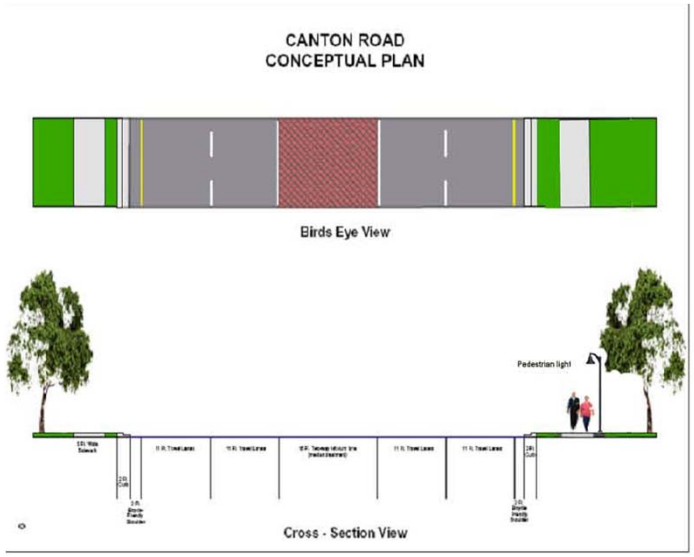
- ✓ Build on Cobb's tradition for cost effective solutions to quality of life issues
- ✓ Minimize negative impacts to the environment and communities
- ✓ Incorporate sustainability principles
- ✓ Recognize transportation projects which meet PEACH Roads certification requirements
- ✓ GDOT Partnership - implement statewide if Cobb pilot program successful

How was PEACH Roads developed?



- ✓ Triple bottom line of Sustainability
- ✓ Balancing Environment, Community and Economy
- ✓ Derived primarily from LEEDs, GreenLITES, AASHTO and other sources
- ✓ Adapted from GreenLITES to provide a custom fit for Cobb County and Georgia

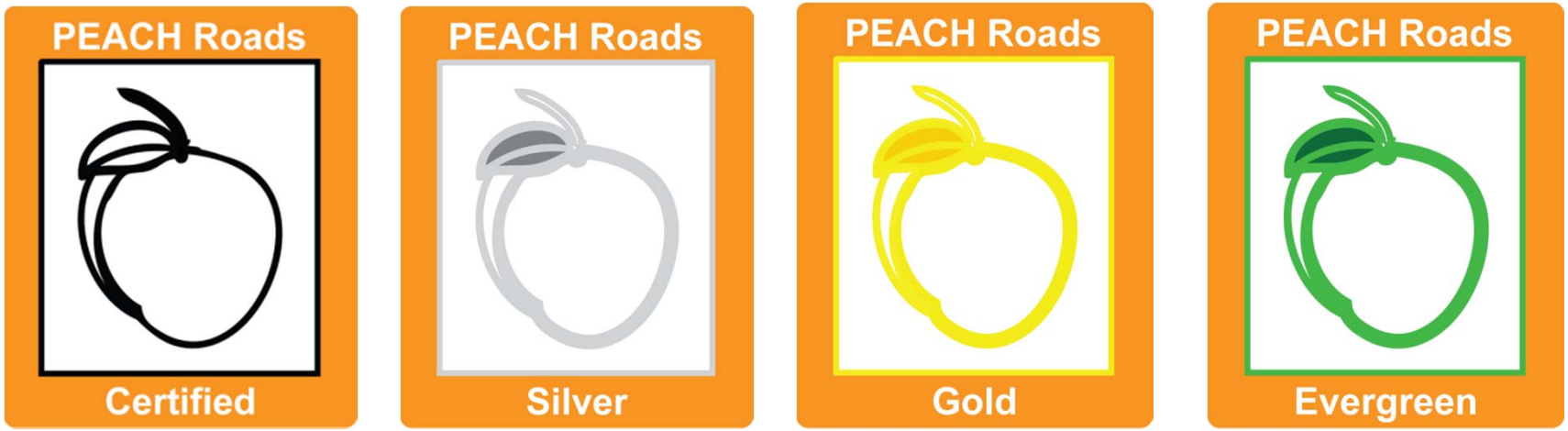
How will PEACH Roads work?



- ✓ A self-assessment, metrics based certification program in partnership with GDOT
- ✓ Similar to LEEDs program, points awarded based on criteria for each project before it bids
- ✓ Implemented in stages:
  Design/Construction, Maintenance and Planning Tools

Certification

Four levels of certification
Certified, Silver, Gold and Evergreen



Practical Examples

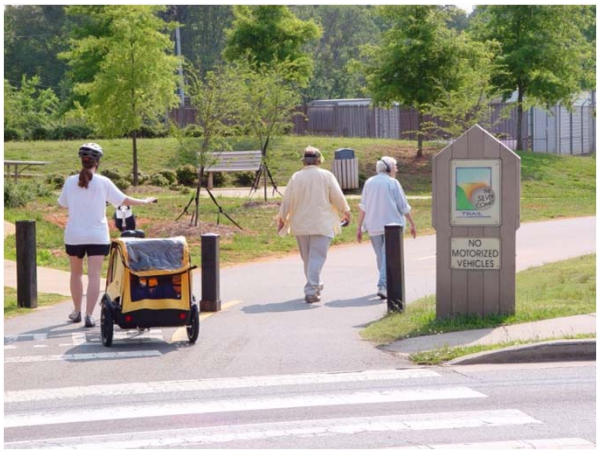
Before/After landscaping improvements at I-285 and Cobb Parkway

Increasing traffic capacity through technology

Using recyclable materials

- ✓ Recyclable materials
- ✓ Context sensitive design
- ✓ Integrated land use and transportation planning
- ✓ Use of Roundabouts, Indirect Left Turns, Queue Jumper Lanes and other innovative road designs
- ✓ Other sustainability innovations including solar power and more use of adaptive signal timing

Benefits



- ✓ Conserve energy, natural resources and promote use of recycled materials
- ✓ Promote effective and efficient use of limited public funds
- ✓ Provide more sidewalks, transit enhancements and other forms of alternate transportation
- ✓ Increase use of roadway materials with longer life and less maintenance
- ✓ Encourage more public involvement in project development
- ✓ Preserve Cobb's Heritage as a quality place to live, work and play

Recommendation

PEACH Roads

Preserving Environment And Community Heritage

Department of Transportation
Bob Galante, P.E., Construction Engineer