ON ROAD NETWORKS: URBAN & RURAL

Non-motorized Transportation Networks

Madison County Council of Governments

16 E. 9th Street
Anderson, IN 46016
PRESENTATION OVERVIEW

Background Information

2005 Bicycle & Pedestrian Master Plan

2014 Update

Next Steps
**Background Information**

- Madison County, Indiana Metropolitan Planning Area
  - 130,000 population
  - 450 square miles
  - 3 cities, 11 towns
I live in Pendleton. I would love to be able to ride my bike to work everyday instead of driving, if I could do it safely. I would do it in a minute.
September 06, 1996.

We like it. It is a great idea and would improve the quality of life in this part of Indiana.
Roadway inventory

- 1500 miles of roads
- All county roads and highways inventoried
- Checklist
Design Considerations

- Pavement
- Lane widths and design speed
- Horizontal alignment and grade
- Sight distance
- Signs and marking
Level-of-Service Map

- ArcView GIS
- Values for criteria
- Some items will be weighed more heavily than others
Photographic inventory

- Photos of existing facilities in the county
  - Indian Trails Greenway
  - Falls Park trails
  - Shadyside trails
  - County Roads
  - Attractions/nodes
Field Study

- Accompanied by Spoke and Wheel Club
- Valuable to experience roads from cyclists viewpoint
Community Outreach

- Citizen Advisory Committee
- Public meetings
- Meetings with municipalities
  - Alexandria, Anderson, Chesterfield, Daleville, Edgewood, Elwood, Fortville, Frankton, Ingalls, Lapel, Markleville, Orestes, Pendleton, Summitville, and Madison
Support facilities

- Trailheads
- Rest and water stops
- Restrooms
- Bicycle racks
- Information kiosks
- Stops in all municipalities
Route: State Road 38
From: State Road 9/67 to County Road 300 East
Segment Length = 5.2 mile

Background
The analysis of State Road 38 shows there is great potential for the road to be part of the county wide plan for bicycle and pedestrian facilities. The land along this route is mainly farmland and residential near the town of Markleville. This segment of the proposed county wide trail is currently part of the Spoke and Wheel route.

Existing Conditions
The analysis studies State Road 38 from County Road 300 East to State Road 9/67, an overall corridor length of 5.2 miles. This two way asphalt road has a lane width of 11 feet, 6 inches. A shoulder with a width of 2 feet, 10 inches exists, and there is no parking permitted. The posted speed is 50 miles per hour, while the observed speed is 55 miles per hour. The traffic volume is around 4,553 vehicles per day. The surface condition was rated in very good condition (5). The right-of-way on the north side is 25 feet. The road crosses a part of Lick Creek.

Concerns
Acquiring right-of-way
Vehicle travel speed

Recommendations
The trail should be constructed on the north side of the road and physically separated from vehicle travel lanes. Minimum trail width should be 12’.
Implementation Strategy

1. Prioritize routes
2. Select design treatments
3. Identify potential funding sources
4. Develop public interest
5. Implement route
6. Develop and distribute route brochure
7. Maintain and monitor
Roadway Improvements

- Drainage grates and utility covers
- Traffic control devices
- Bicycle lanes
- Shoulders
- Railroad crossings
- Structures
- Intersections
- Traffic calming
2005 Bicycle & Pedestrian Master Plan

Quick Facts
Artesian Bikeway: 15.56 miles
Bikeway is one-way, clockwise (see arrows). This allows for right-turns only.
Links to Lenape Bikeway & Delaware County

Bikeway Highlights
A. Artesian Well
B. Camp Chesterfield
C. Anderson Christian School
D. East Side Middle School
E. Shadyside Park & White River
F. Killbuck Creek
2005 Bicycle & Pedestrian Master Plan

Summit Circle Bikeway

Quick Facts
- Summit Circle Bikeway: 21.39 miles
- Bikeway is one-way, clockwise (see arrows). This allows for right turns only.
- Links to Oak Tree Trail & Gas Well Track bikeways

Bikeway Highlights
- Downtown Alexandria
- Lilly Creek
- Mud Creek
- Oldest oak tree in Indiana
- Orestes
- Pipe Creek
- Red Gold
- Summitville
White River Road Bikeway

Quick Facts
White River Road Bikeway: 21.69 miles
Bikeway is one-way, clockwise (see arrows). This allows for right-turns only.
Links to Lenape & Turnpike Bikeways

Bikeway Highlights
- City of Anderson
- Edgewood
- Historic cemeteries
- Lapel
- Perkinsville
- Stony Creek
- White River
2014 Update

- Electric Vehicles/Golf Carts
- Long Range Transportation Plan
Next Steps

Funding

- Private Foundations
- Transportation Enhancement
- STP
Lessons Learned

- Lack of Awareness
- Poor Road Maintenance
- Souvenir/Damaged Signs
- Tracking Users
- Funding
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March 15-16, 2013
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