

NORTHLAND TRAILS VISION PLAN

Clay/Platte Counties

PROJECT PRIORITIES AND COST ESTIMATES

The Plan identifies 613.31 total miles of trails in the two counties, including:

Clay County Total Miles

Paved Shoulder	75.28
Bike Lane	8.11
Shared Use Path	90.26
Combined Use	112.88
Equestrian	19.81
TOTAL	306.34

Platte County Total Miles

Paved Shoulder	76.04
Bike Lane	0
Shared Use Path	124.73
Combined Use	70.14
Equestrian	36.06
TOTAL	306.97

Of the overall total of 613.31 miles, priority projects in both counties of 152.63 miles are as follows:

Clay County Priority Projects

Paved Shoulder	14.48
Bike Lane	0
Shared Use Path	37.38
Combined Use	21.05
Equestrian	0
TOTAL	72.91

Platte County Priority Projects

Paved Shoulder	27.78
Bike Lane	0
Shared Use Path	30.61
Combined Use	21.33
Equestrian	0
TOTAL	79.72

Project priorities and cost estimates for each county have been determined as an outcome of the planning process. In the final analysis, this report gives recommendations on priorities based on opportunity, citizen involvement, steering committee review, field observations and consultant expertise.

Opportunity (Platte County) – Trail design and construction in Platte County was supported by its citizens on August 8, 2000 with the successful passage of the sales tax referendum. The tax plan specifies \$9,000,000 for trails over 10 years. Leveraging of the sales tax proceeds with grants presents an opportunity for Platte County.

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Opportunity (Clay County) – Although a funding source has not yet been identified in Clay County to implement the priority trails, this Trail Vision Plan presents an opportunity for public discussion of the topic. Citizens will have the information they need to discuss the value of trails, location of trail corridors, types of trails and cost estimates.

Citizen and Steering Committee Involvement – The steering committee reviewed consultant data collected through field observations, citizen input from a mail survey, 6 public meetings and other information to assign priorities to each trail. The steering committee focused on trails to key destinations and attractions, including Weston Bend State Park, Weston, Watkins Mill State Park, Jesse James Farm, Smithville Lake and Parkville.



Trail Priorities – The map defines priority routes as follows:

Red – 1st priority
Purple – 2nd priority
Orange – 3rd priority

1st priority – Established based upon community input and evaluation of trail corridors that are build-able without major land acquisition or extensive construction. The corridors have been selected due to the opportunity to adapt existing roadway right-of-way to bike traffic allowing a quicker use of the system. Additionally, trail corridors that are already in the planning and design stage for new parkway systems have been included.

2nd priority – This category includes routes that have been identified based on the estimated cost for construction, or anticipated timeline for trail development through another agency such as Weston Bend State Park.

3rd priority – This category has been identified as the most expensive trail to develop due to land costs, or location issues, such as rural areas of the two counties and also the least requested by users.

PROJECT PRIORITIES AND COST ESTIMATES

UNIT COST PER MILE OF TRAIL DEVELOPMENT

The following descriptions identify the estimated cost per mile for development of each type of trail for the Northland Trails Vision Plan. The cost for each type of trail does not include specialty items such as trailhead development, bridges, excessive excavation work, engineering, attorney fees, design, construction administration and land acquisition documents.

The Unit Cost per Mile of trail type provides an estimated cost for the development of the trail for planning and budgeting purposes only.

1. Paved Shoulder: \$ 145,000

Estimated cost includes a paved bike lane with signage; grading and paving work along the roadway shoulder necessary to create a 5' wide bike lane on each side of the roadway. All work is within the existing right of way.

2. Bike Lane 20,000.00

Estimated costs include striping, signage and pavement markings designating that portion of roadway to be used by bicycles. Other costs may include cleaning, surfacing repair, curb repair and drainage grate replacement.

3. Shared Use Path: \$ 250,000

A stand alone paved trail within a 20' permanent easement with signage. Cost includes 10' wide paved asphalt surface over 8" gravel base.

4. Combined Use: \$ 402,000

Combined trails within a single 100' easement corridor to include a 10' paved asphalt surface and separate natural surface equestrian trail.

5. Equestrian: \$ 152,500

A "stand alone", 5' to 10' wide, soft surface trail within a 20' permanent easement with signage.

6. Primary Trailhead: \$ 148,000

Cost includes land acquisition, utility extensions, construction, landscaping and signage.

7. Secondary Trailhead: \$ 50,000

Cost includes land acquisition, signage construction and site amenities.

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- Trailhead descriptions by level are included in the Design Criteria Section of this report.

NORTHLAND TRAILS VISION PLAN TRAILS SECTION ESTIMATE/MILE					
TRAIL DESIGNATION	Paved Shoulder	Shared Use Path	Combined Use	Cost	Other Sponsors (*)
**Unit Cost Per Mile	\$145,000.00	\$250,000.00	\$402,000.00		
P-2	27.78***	9.02		\$6,283,100.00	
P-3		3.72		\$ 930,000.00	*
P-4		4.63		\$1,157,500.00	
P-6			10.47	\$3,664,500.00	
P-7		9.39		\$2,347,500.00	
P-8			10.86	\$3,801,000.00	
P-10		3.85		\$ 962,500.00	*
SUBTOTAL	27.78***	30.61	21.33	\$19,146,100.00	
C-1		14.53		\$3,632,500.00	
C-2			21.05	\$7,367,500.00	
C-3		4.55		\$1,137,500.00	
C-4	14.48***	5.69		\$3,522,100.00	
C-5		12.61		\$3,152,500.00	*
SUBTOTAL	14.48***	37.38	21.05	\$18,812,100.00	
TOTAL	42.26***	67.99	42.38	\$37,958,200.00	
*An asterisk in this column indicates anticipated financial or construction participation by other sponsors.					
* **Unit cost per mile for respective categories					
***Number includes mileage for paved shoulder in both directions.					