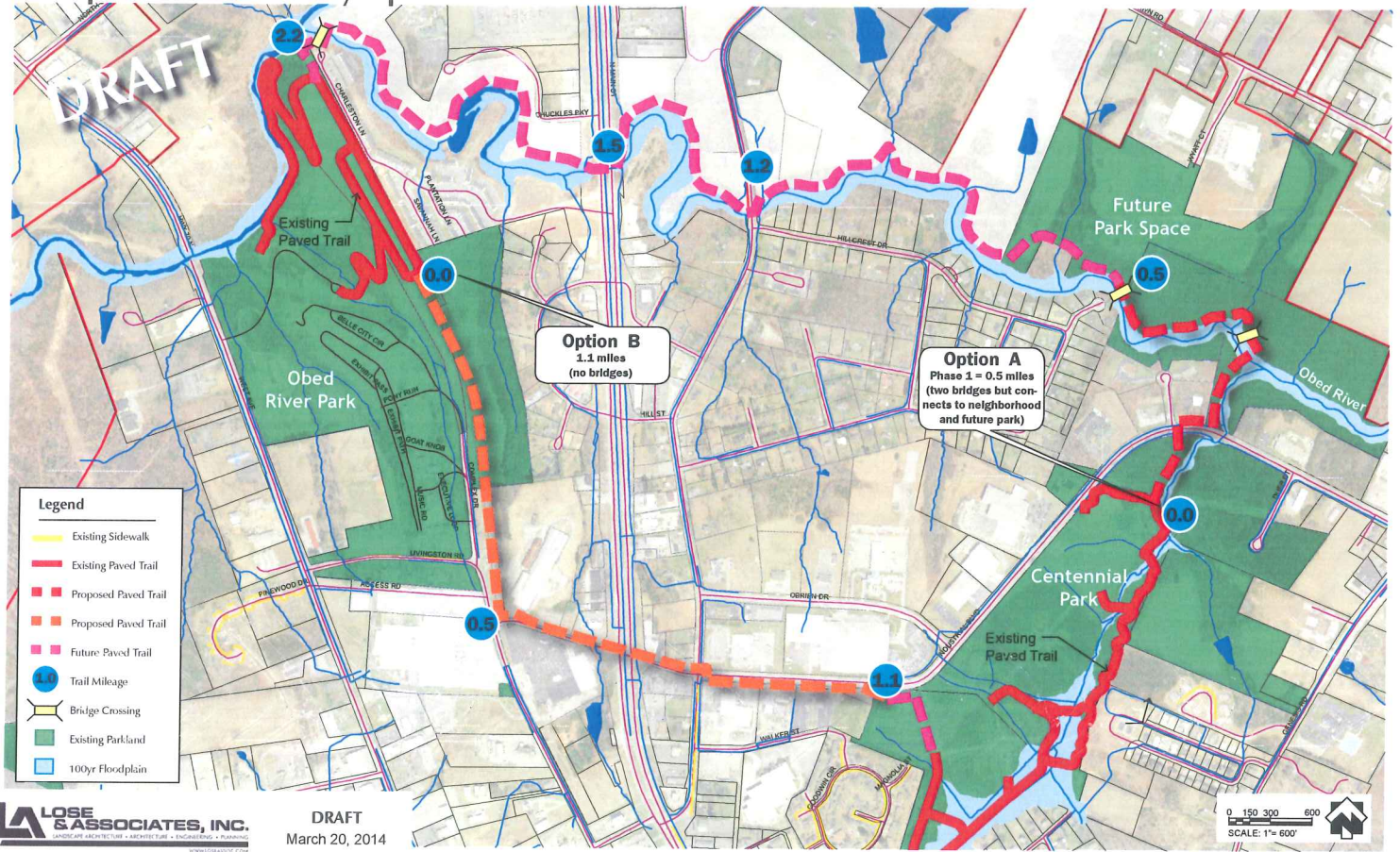


Concept Plan for Greenway Options



DRAFT March 20, 2014

CROSSVILLE MULTI-USE PATHWAY GRANT - OPTIONS SUMMARY

Option A: Obed River Greenway (10' wide Multi-use Pathway) from Centennial Park

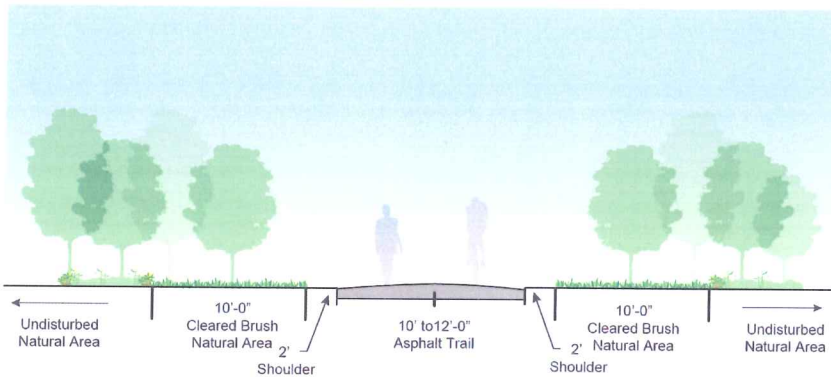
Advantages:

1. Connects to existing trails in Centennial Park
2. Utilizes City owned land
3. Could connect to existing neighborhood
4. Opens up access to the north for future improvements on City owned property
5. Makes a great “story” for a more competitive grant application

Disadvantages/Concerns:

1. Requires an easements from two property owners
2. The two bridges could push the project over budget (Note: nature trail on the north side of the river will help reduce costs)

Examples of a Multi-use Pathway



Option B: Obed River Park Trail Extension to Downtown

Advantages:

1. Connects to existing trails in Obed River Park
2. Utilizes County and City owned land
3. Relatively flat trail with little to no grading
4. Trail along Industrial Blvd connects to Centennial Park
5. More feasible given the budget and could allow for more signage and site furnishings
6. Could eventually connect to the Train Depot and other downtown businesses
7. Provides a competitive application

Disadvantages/Concerns:

1. Does not connect to existing residential neighborhoods
2. Has not been discussed with residents until now
3. Requires property acquisition

Lose & Associates, Inc.

Preliminary Opinion of Probable Cost

Option A: Crossville Obed River Greenway - Phase 1

Crossville, Tennessee

Preliminary Opinion of Probable Construction Cost

Date: March 20, 2014

Description	Qty.	Unit	Unit Price	Subtotal
Phase I (Trail from Centennial Park to Turner's property)				
General Site Work				
Clearing and grubbing	1	LS	\$7,500	\$7,500
Erosion control	2,645	LS	\$3.25	\$8,596
Seeding of disturbed areas (approx. 10ft each side)	52,900	SF	\$0.3	\$15,870
Site Utilities				
Site Drainage	1	LS	\$18,000	\$18,000
Trail				
Asphalt trail 10 ft wide including earthwork	1,403	LF	\$60	\$84,180
Nature trail 6-10 ft wide (connecting bridges)	1,242	LF	\$20	\$24,840
Bridge				
Pedestrian Bridge (90ft x 10 ft)	1	EA	\$90,000	\$90,000
Pedestrian Bridge (110ft x 10 ft)	1	EA	\$110,000	\$110,000
Pedestrian bridge approach (boardwalk and handrails)	2	LS	\$15,000	\$30,000
Pedestrian bridge abutments	4	EA	\$10,000	\$40,000
Pedestrian Crossing				
At-grade pedestrian crossing w/signage and striping	1	EA	\$5,000	\$5,000
Signage				
	1	LS	\$4,500	\$4,500
Phase 1 Subtotal				\$438,486
A/E Design Fees at 8%				\$35,079
10% Contingency				\$43,849
Project Total				\$517,414

Opinions of Probable Cost and Materials Estimates

This opinion of probable cost is based on GIS information. Estimates of construction quantities and opinion of probable costs provided by us are made on the basis of our experience and the level of design. They represent our best judgment as design professionals. We cannot and do not, however, guarantee that the actual construction quantities or costs will not vary from our quantities and cost estimates. Lose & Associates makes no warranty, expressed or implied, for the accuracy of such opinions as compared to bid or actual costs.

Lose & Associates, Inc.

Preliminary Opinion of Probable Cost

Option B: Crossville Obed Park Trail Extension South

Crossville, Tennessee

Preliminary Opinion of Probable Construction Cost

Date: March 20, 2014

Description	Qty.	Unit	Unit Price	Subtotal
Phase 1 (Trail from Obed River Park to Centennial)				
General Site Work				
Clearing and grubbing	1	LS	\$1,500	\$1,500
Earthwork and grading along Industrail Blvd)	1	LS	\$35,000	\$35,000
Seeding/landscaping of disturbed areas	1	LS	\$15,000	\$15,000
Site Utilities				
Site Drainage	1	LS	\$10,000	\$10,000
Trail				
Asphalt trail 10 ft wide including earthwork	2,640	LF	\$60	\$158,400
Asphalt path 8 ft wide including earthwork	3,000	LF	\$48	\$144,000
Pedestrian Crossing				
At-grade crossing w/signage and striping (3 areas)	1	LS	\$15,000	\$15,000
Pedestrian signals at Main Street	1	LS	\$10,000	\$10,000
Signage and Site Furnishings				
	1	LS	\$20,000	\$20,000
			Phase 1 Subtotal	\$408,900
			A/E Design Fees at 8%	\$32,712
			10% Contingency	\$40,890
			Overall Project Total	\$482,502

Opinions of Probable Cost and Materials Estimates

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Option C: Meadow Park Lake – idea for Nature Trails

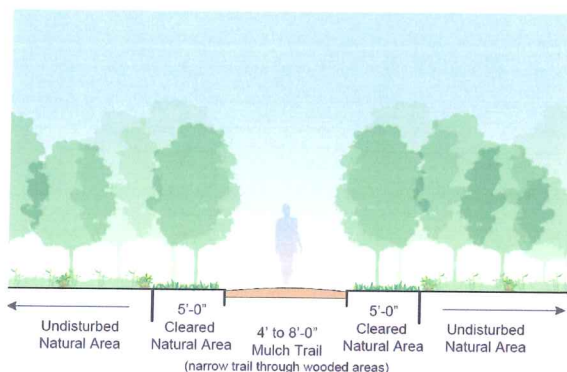
Advantages:

1. Desire from the community for improvements
2. Nature trails could be built with volunteers

Disadvantages/Concerns:

1. Located further away from the existing resident and commercial properties or other destinations
2. Master plan needed and funding has not been discussed until recently
3. Nature trails do not qualify for LPRF grant because trails are not accessible

Examples of a Nature Trail



While both multi-use pathways and nature trails are beneficial, having a paved multi-use pathway that could eventually become a downtown loop, accessible to all, could have a variety of economic benefits including:

- Tourism (5K races, bike tours, etc.)
- Increase in property values (private dollars follows good public investment)
- Health care savings (by providing alternative transportation routes and opportunities to exercise)
- Jobs related to construction and future tourism
- General consumer spending (local restaurants, hotels, etc.)