



City of Fayetteville Trails Program

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Trails Coordinator

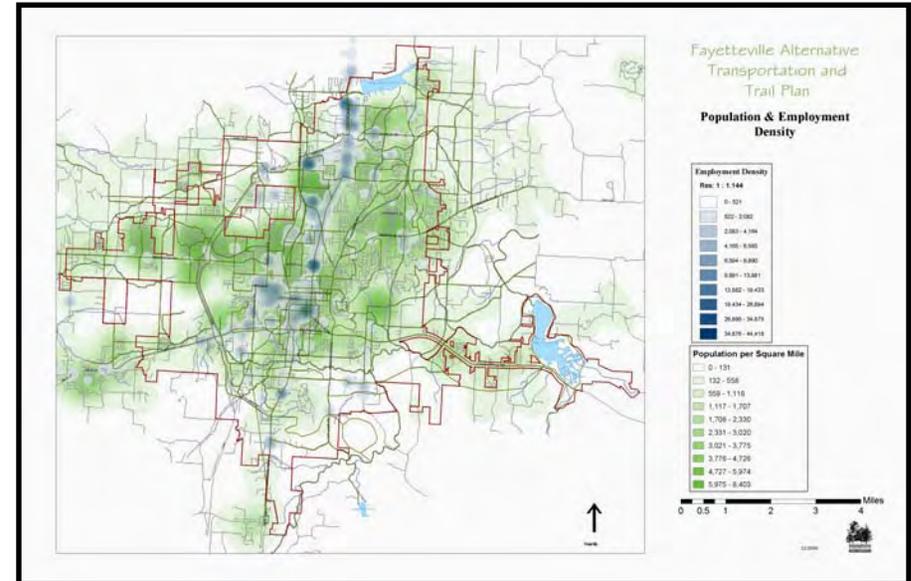


Fayetteville Alternative Transportation and Trails (FATT) Master Plan

Adopted by City Council July 2003
Updated September 2009



Public Planning Workshops



Population & Employment Density

Vision:

Establish alternative modes of transportation and active recreation as an integral part of daily life in the City of Fayetteville



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Current Trail Status

- Existing: 18 miles of multi-use trails
- Proposed: 100 miles of trails throughout the City of Fayetteville
- Goal: 2-3 miles completed annually
- Funding Sources:

2006 Sales Tax bond approved by voters allocating 2.1 million dollars for trail development

1.3 million annual funding from capital improvement project local sales tax revenue

AHTD Recreational Trails Program



Implementation of the FATT Plan

Trails Construction Crew Created in 2005



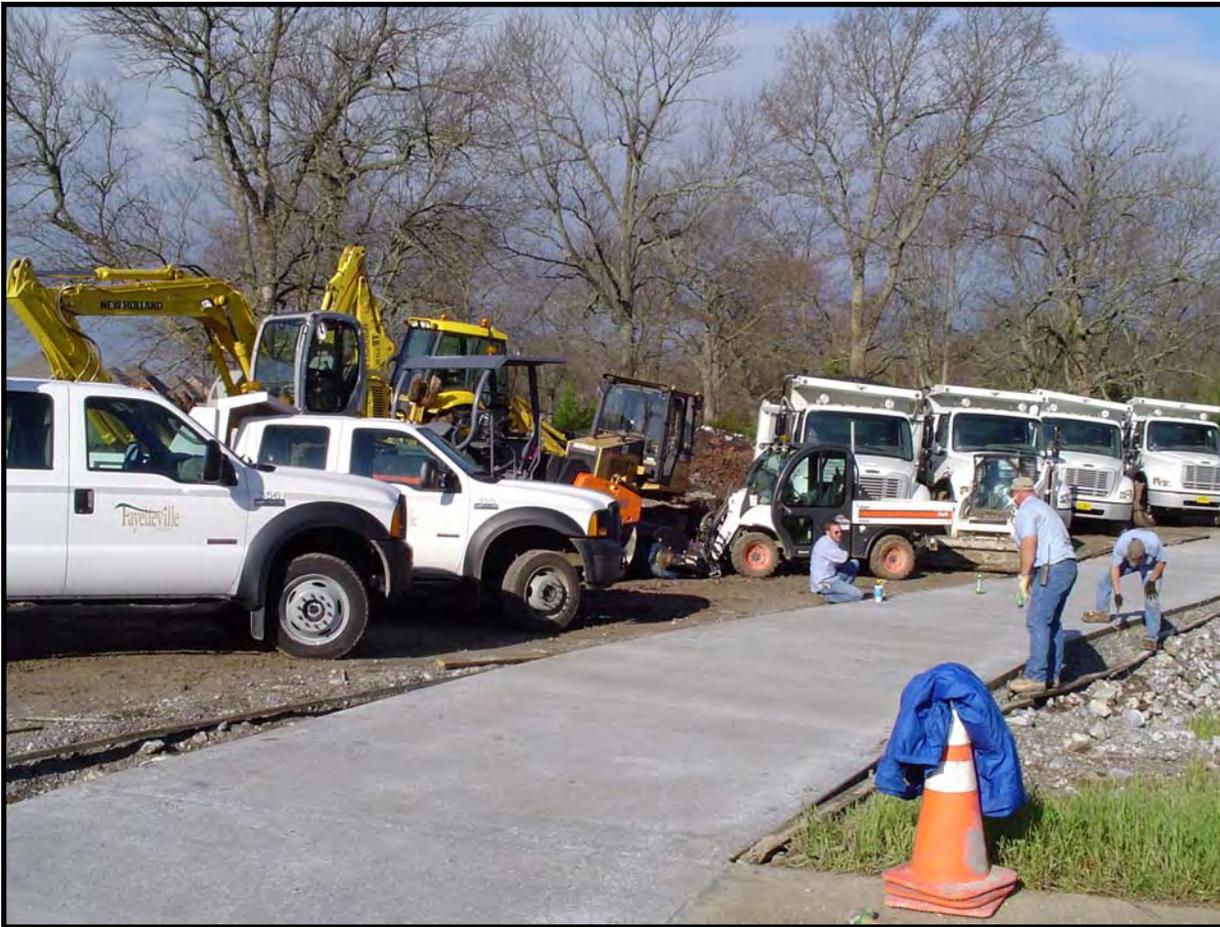
9 Member City Crew within the Transportation Division dedicated to building Trails



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Trails Construction Equipment



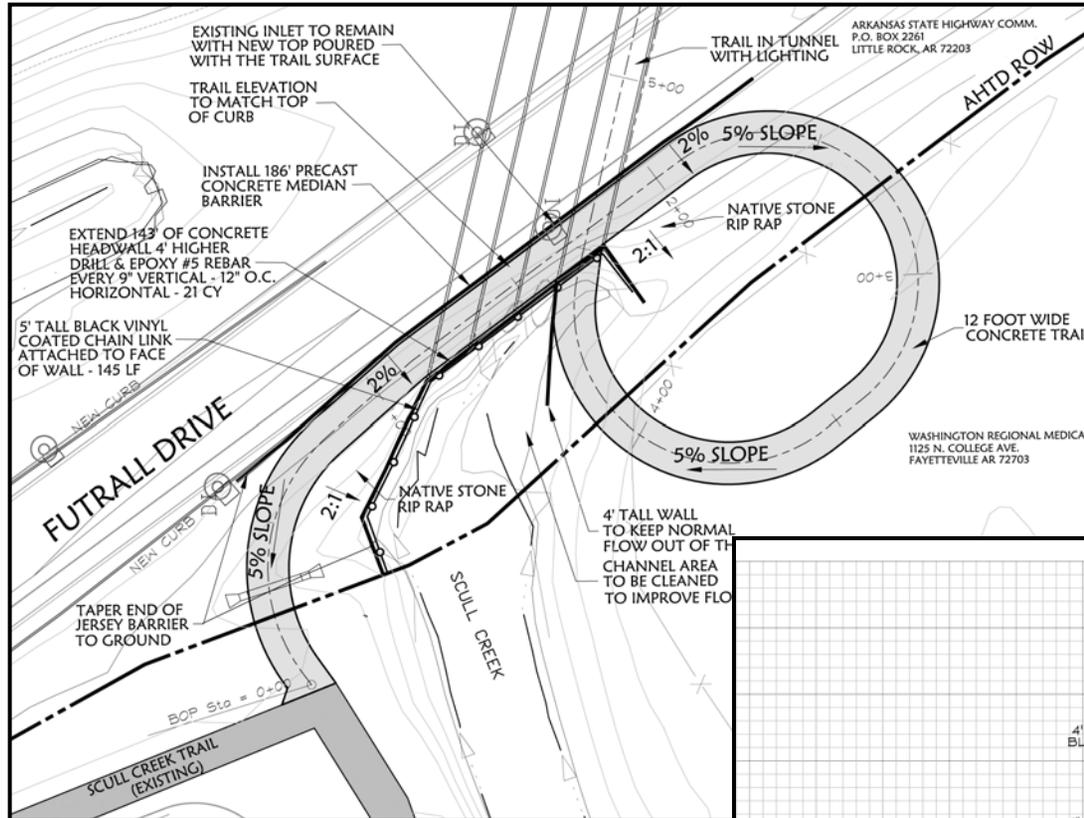
- 1 Trackhoe
- 1 Backhoe
- 1 Bobcat ToolCat
- 1 Bobcat Skid Steer
- 4 Dump Trucks
- 2 Crew Trucks
- 1 Roller
- 1 Small Dozer

Other Equipment borrowed within the Transportation division including asphalt lay-down machine and grader

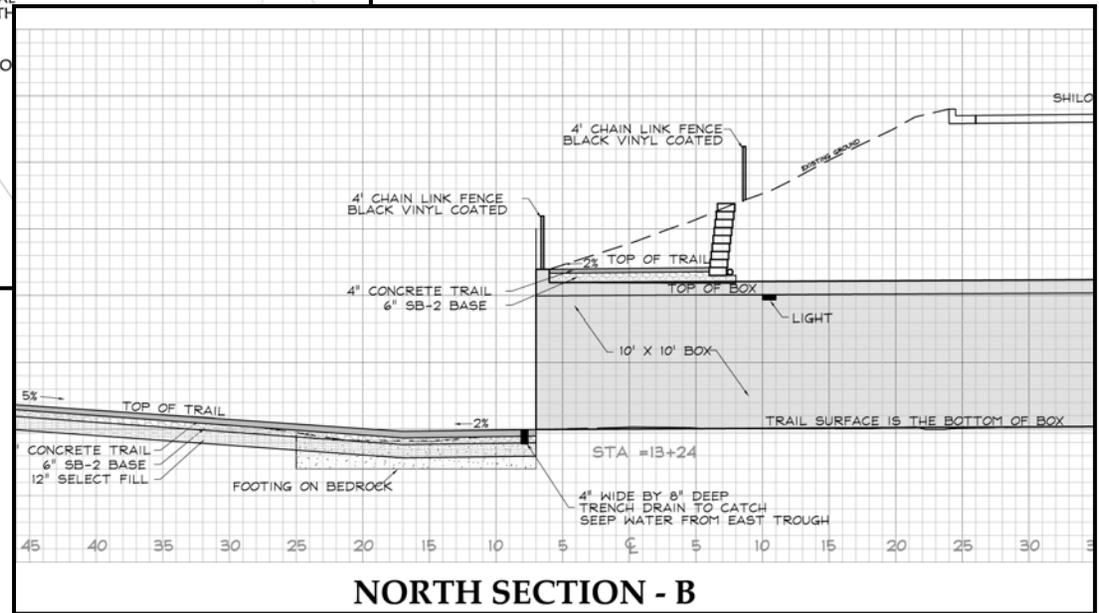


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Trail Design



Trail Design, Property Acquisition, Permits and Construction Observation conducted by the Trails Coordinator and the City Engineering Division



On-Site Design



Trails Coordinator Works Closely with Construction Crew

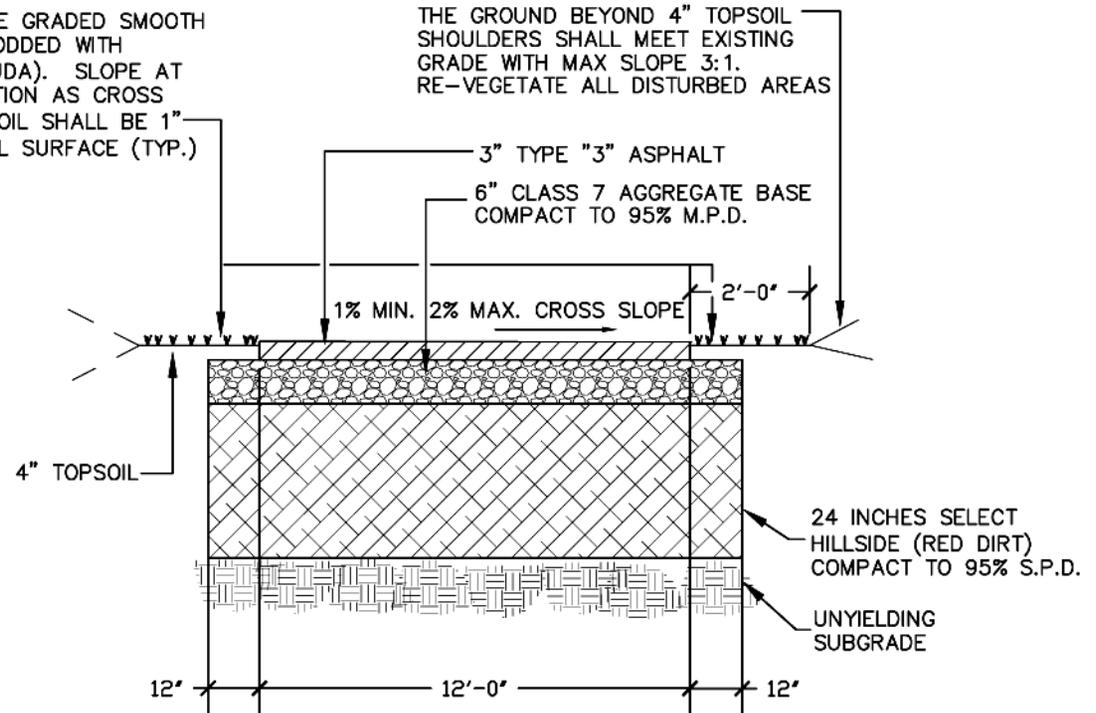
Typical Trail Construction Details

NOTES:

- 1.) CONSTRUCT 2% MAXIMUM CROSS SLOPE IN SAME DIRECTION AS EXISTING GRADE UNLESS OTHERWISE DESIGNATED.
- 2.) LONGITUDINAL TRAIL GRADE SHALL NOT EXCEED 5%.
- 3.) TESTING REQUIREMENTS ARE THE SAME AS FOR PUBLIC STREETS

2' SHOULDER TO BE GRADED SMOOTH AND SEEDED OR SODDED WITH FESCUE (NO BERMUDA). SLOPE AT 2% IN SAME DIRECTION AS CROSS SLOPE OF TRAIL. SOIL SHALL BE 1" LOWER THAN TRAIL SURFACE (TYP.)

THE GROUND BEYOND 4" TOPSOIL SHOULDERS SHALL MEET EXISTING GRADE WITH MAX SLOPE 3:1. RE-VEGETATE ALL DISTURBED AREAS



SECTION-12' WIDE ASPHALT TRAIL STANDARD DETAIL

NOT TO SCALE

First Step – Undercut



18" to 24" of Undercut
– Depth depends on subgrade conditions

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Select Fill



Select Fill (Red Dirt Hillside)

Compact to 95% S.P.D.



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Fine Grading



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6" Aggregate Base



Placed with asphalt laydown machine

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3” Asphalt



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We utilize the same asphalt lay down machine for trails and roads

Paving



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Concrete Paving



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Colored Concrete At-Grade Crosswalk



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Grade Separated Crossings



Trail Bridges



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Trail Bridges



Scull Creek Trail

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Trail Bridges



08/8/13 9:02am

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Scull Creek Trail

Trail Lighting



Scull Creek Trail

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Trail Lighting



Scull Creek Trail

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In-House Trail Construction Costs

12 foot wide multi-use trail

Trail Name	Distance In Miles	Total Cost	Cost per Linear Foot	Cost per Mile	Amenities
St. Paul	0.78	\$111,708.00	\$27.12	\$143,193.60	Basic Asphalt Trail
Lake Fayetteville	2.44	\$445,073.00	\$34.49	\$182,107.20	Asphalt Trail - 1 Bridge
Hamestring Creek	0.68	\$198,476.00	\$55.00	\$290,400	Drainage Structures & 1 Bridge
Clabber Creek	0.65	\$330,808.00	\$96.39	\$508,939.20	Concrete Trail – Wet Soils
Scull Creek	4.39	\$3,171,157.00	\$136.50	\$720,720	Lighting, Concrete, 6 Bridges

Basic 12' wide asphalt trail - \$27.12 per linear foot
\$143,193.60 per mile



Shared Lane Application

- Used when road lane is too narrow for a 5' wide bike lane on both sides.

- Cars must pass bikes when there is no oncoming traffic giving a minimum of 3 feet of space.

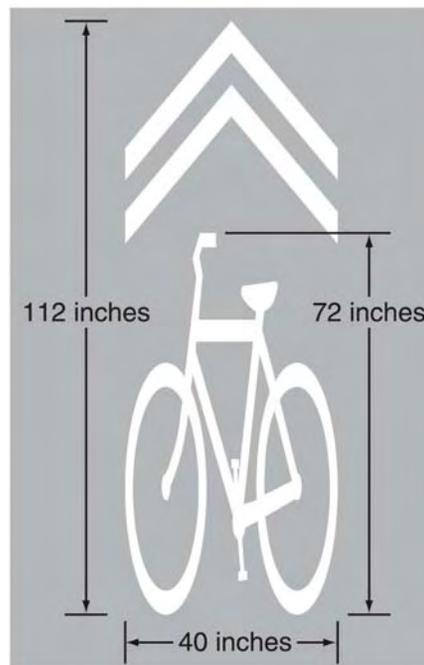
- Used on roads with a maximum speed limit of 35 MPH.



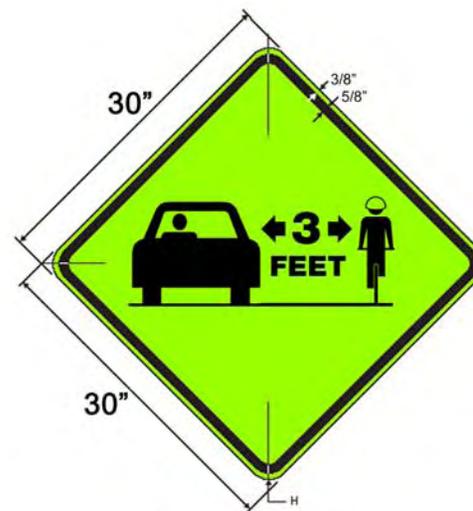
D11-1



D1-1a



Sharrow Symbol



W 16-1 Fluorescent Yellow Green

3.5 Miles of Sharrows



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Sharrows on Lafayette



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Sharrows on Sycamore

Bike Lane Application

- Used when road lane width is sufficient for a 5' wide bike lane on both sides.

- Can be used on higher speed roads – Typically used on Arterials.



D11-1



D1-1a



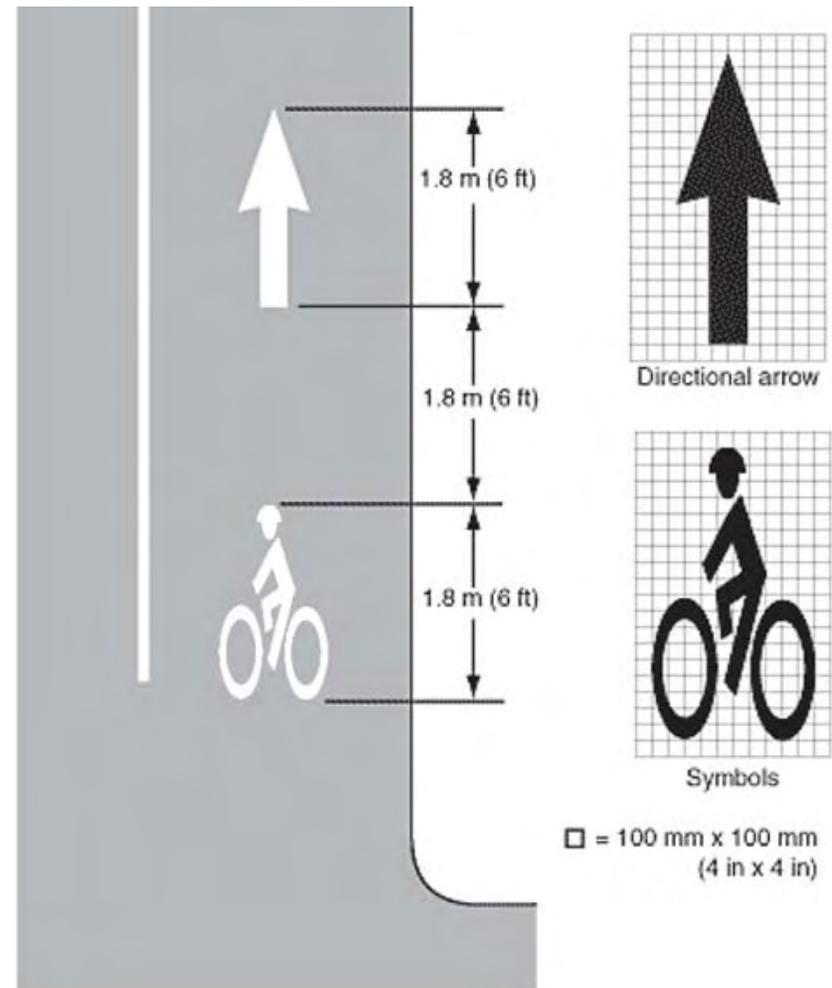
R3-17



R3-17a



R3-17b



4.2 Miles of Bike Lanes

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Bike Lane on Appleby



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Bike Lane on Front St.



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Bike Lane on Front St.

Scull Creek Trail & Mud Creek Trail



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Trail Pictures



Bike to Work Ride - Scull Creek Trail

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Trail Pictures



Scull Creek Trail

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Trail Pictures



Mud Creek Trail

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Trail Pictures



Scull Creek Trail

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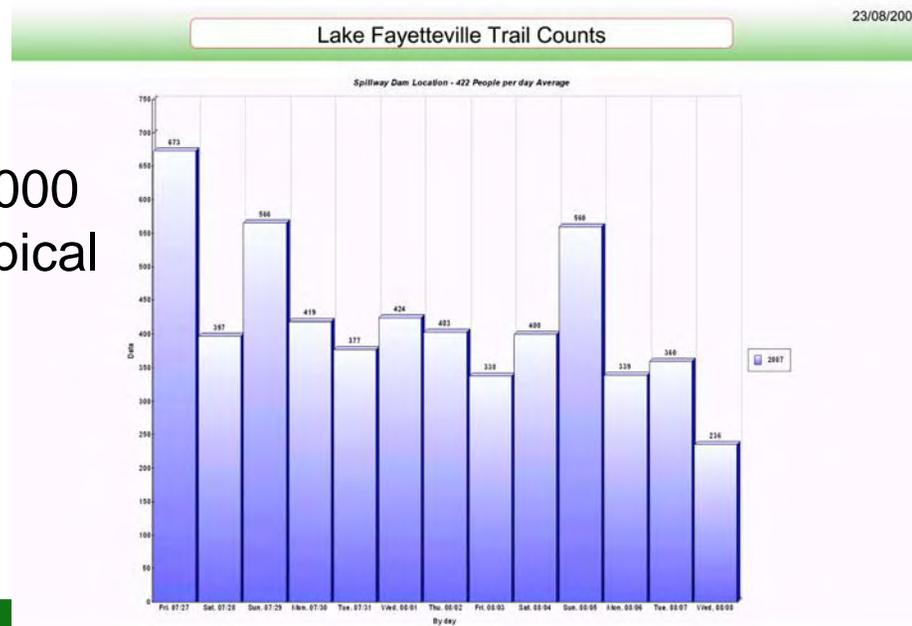
Trail User Counts

Trail Name	Counter Location	Start Date	End Date	Average Daily Counts
Lake Fayetteville Trail	On the Dam, near Kiosks	7/27/07	8/8/2007	416
Frisco Trail	At Maple Street	6/30/09	8/3/09	302
Mud Creek Trail	Butterfield Village	9/11/07	10/16/2007	226
Wilson Park Trail	East of Block St.	2/27/08	3/27/08	576
Scull Creek Trail	Poplar Street	9/30/08	10/20/08	2,070
Lake Fayetteville Trail	North of Spillway Bridge	6/30/09	8/3/09	460
Scull Creek Trail	North of North Street	6/16/10	8/26/10	686

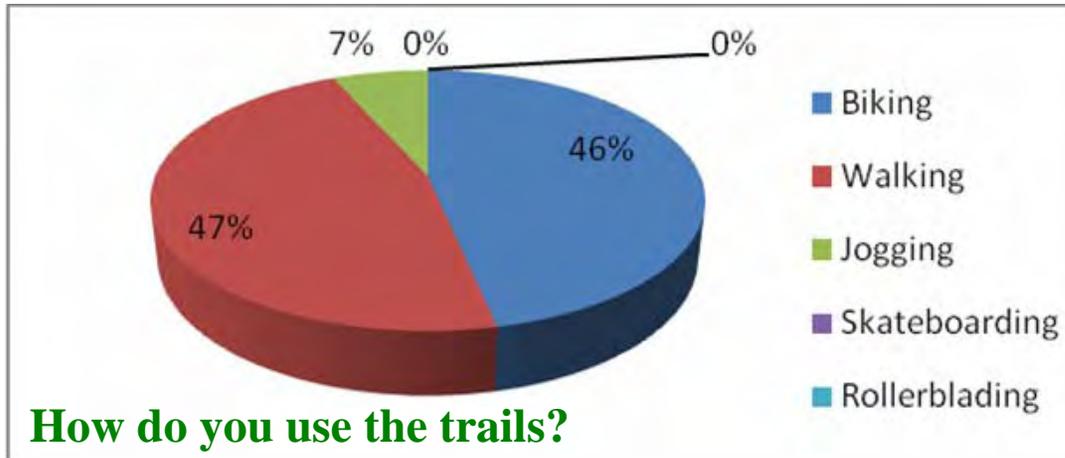
Scull Creek Trail experiences over 1,000 people per day on typical weekend days



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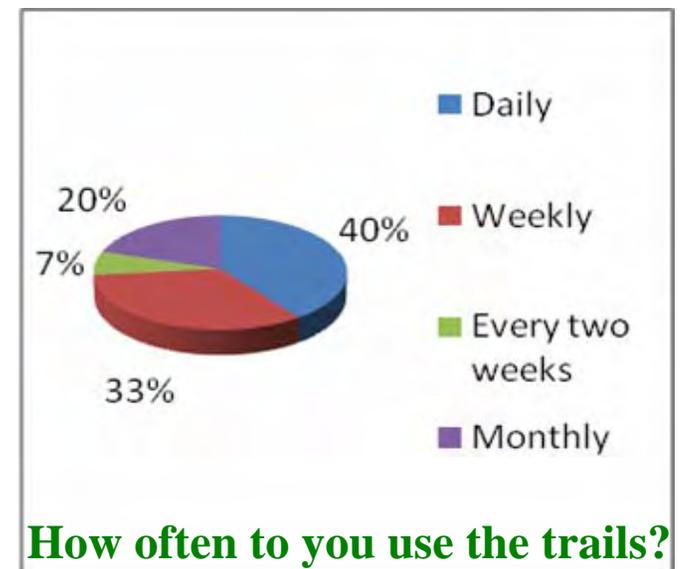


Trail Survey Data



2009 Fayetteville Trail Survey
By Arun Sriram
University of Arkansas - Walton
School of Business.

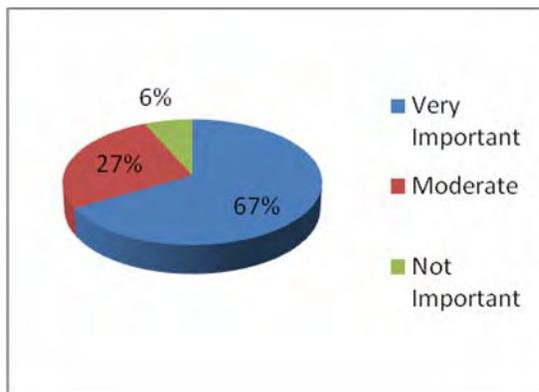
Questionnaire given to people living near a Trail in Fayetteville.



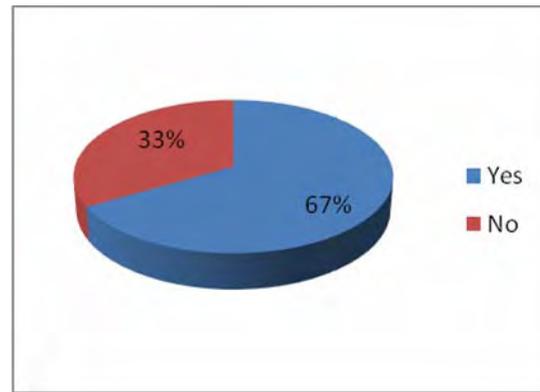
Economic Development

Survey of 3 apartments located by the trail system

Appleby	200 apartments	5-7% increase in occupancy rate
Sweetser properties	250 apartments	
Jordon Rentals, LLC	150 apartments	Increased Rent \$20 One Bedroom \$40 Two Bedroom



How important is living near a trail?



Would You Pay More to Live Near a Trail?



Increase in occupancy rate and rental values is entirely owed to the Trail System.

Economic Development



Sweetser Apartments on Scull Creek Trail



South Creekside Apartments on Scull Creek Trail

Economic Development



**New Phat Tire Bike Shop on
Mud Creek Trail**



**Trailside Café and Tea Room
Frisco Trail**



Walmart Connection to Mud Creek Trail

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Economic Development



New Snack Shack on Scull Creek Trail



Funnel Cake Business on Scull Creek Trail with adjacent Laundry and Convenience Station.

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Location on Scull Creek Trail

Razorback Regional Greenway

- 36 Mile trail connecting Bella Vista to south Fayetteville

- Many trail sections already constructed.

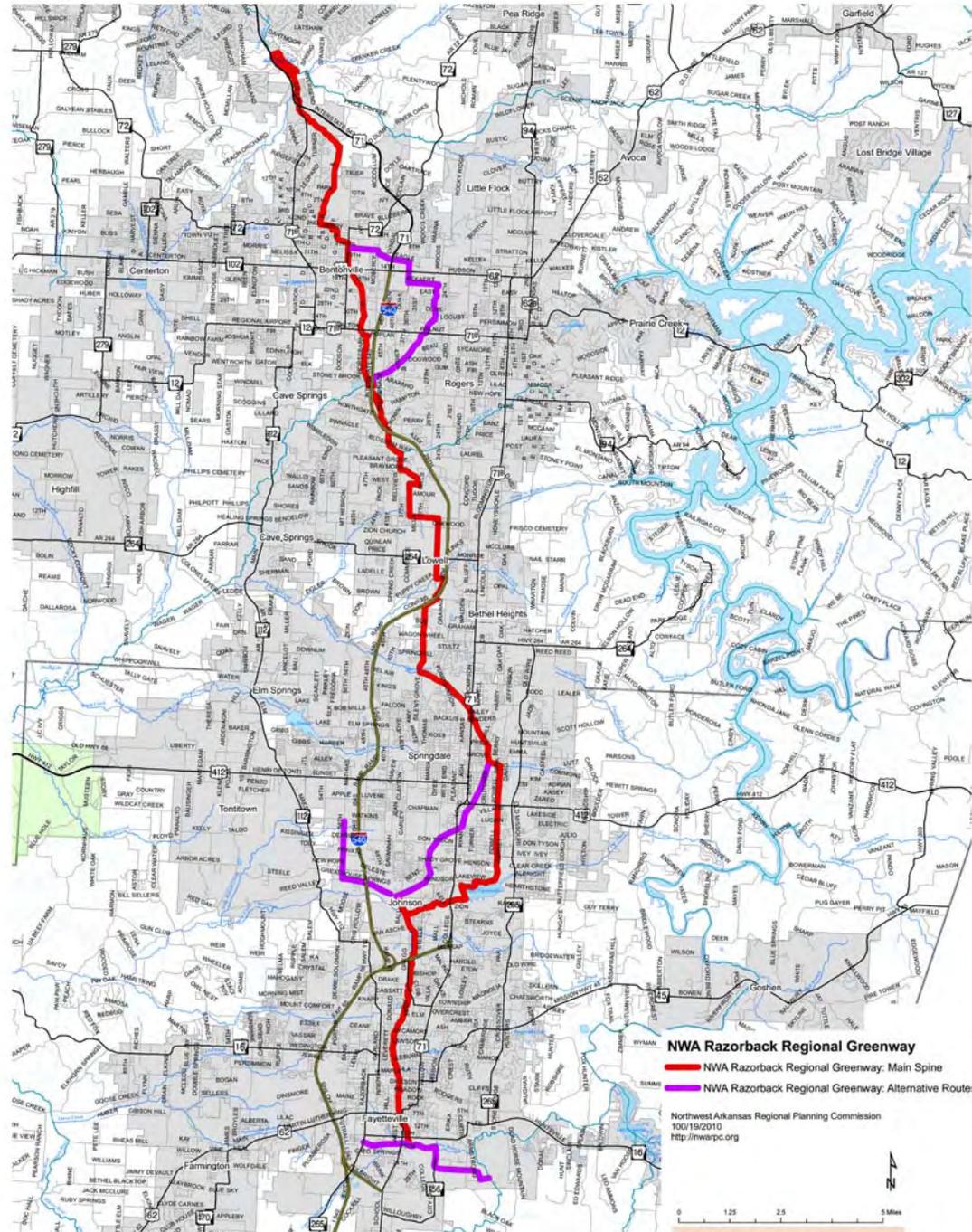
15 Million in TIGER II Federal Funding

Scheduled completion 2014



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Northwest Arkansas Razorback Regional Greenway



Fayetteville Trails Awards/Recognition



In 2006 the Lake Fayetteville Spillway Bridge was awarded an Engineering Excellence Award from the American Council of Engineering Companies of Arkansas and the Public Works Small Project of the Year from the American Public Works Association of Arkansas.

Bronze Bicycle Friendly Community Award by the League of American Bicyclists – September, 2010



In July of 2007, the City of Fayetteville was awarded the first Mayors' Climate Protection Award sponsored by the United States Conference of Mayors and Wal-Mart for the FATT master plan and efficient trail construction program



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