



A Common Thread.... Linking People & Places

1st Open House

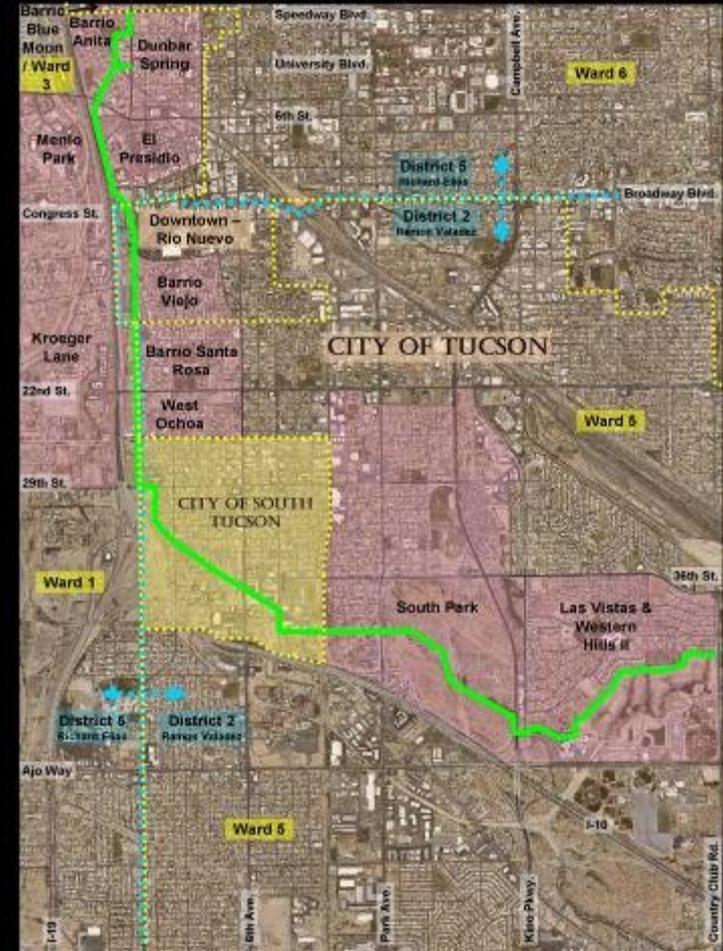
December 17, 2008





Stakeholder History

- Community stakeholders
 - Municipal Groups
 - Government Officials
 - Neighborhoods
 - Development Groups
 - Interest Groups
 - Utilities



El Paso and Southwestern Greenway



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Project History

The El Paso and Southwestern Greenway Tucson, Arizona

Introduction

The El Paso and Southwestern Greenway is a public-private partnership project to create the backbone of a multi-modal transportation system in Tucson, Arizona. The project is a public-private partnership between the City of Tucson and the El Paso and Southwestern Railroad Company. The project is a public-private partnership between the City of Tucson and the El Paso and Southwestern Railroad Company. The project is a public-private partnership between the City of Tucson and the El Paso and Southwestern Railroad Company.

Principles, Goals and Guidelines

- 1. Provide a multi-modal transportation system that is safe, efficient, and accessible to all.
- 2. Enhance the quality of life in Tucson by providing a scenic and recreational corridor.
- 3. Support the economic development of Tucson by providing a link between the city and the surrounding region.
- 4. Preserve the natural and cultural resources of Tucson and the surrounding region.
- 5. Provide a link between the city and the surrounding region.

CASE STUDIES

History

1880 The Southern Pacific rail arrives in Tucson
 1911 Phoenix Ordinance authorizes extension of the El Paso to Tucson
 1912 EP&SW arrives in Tucson and Orpheus' sons
 1913 Southern Pacific acquires EP&SW and operates extension to its "back" line
 1914 EP&SW passenger and freight stops are closed and Southern Pacific routes built to its SP route

Urban Greenways

Urban Greenways

1. The Phoenix Suburb Trail, Phoenix, Arizona
 2. The High Line, New York City, New York
 3. The Merion Rail Trail, Indianapolis, Indiana
 4. Salt Creek Recycled Greenway, Cary, North Carolina

Rails to Trails

Rails to Trails

1. The El Paso and Southwestern Greenway
 2. The High Line, New York City
 3. The Merion Rail Trail, Indianapolis
 4. Salt Creek Recycled Greenway, Cary, North Carolina

COMMUNITY INVOLVEMENT

Community Involvement

1. Public meetings and workshops
 2. Community advisory committees
 3. Outreach and public information campaigns
 4. Stakeholder interviews and focus groups

SITE INVENTORY

Neighborhoods

1. BARRO ANITA
 2. DUNBAR SPRING
 3. EL FERRO
 4. BARRO VIEJO
 5. BARRO SANTA ROSA
 6. WEST OCHOA

Schools & Libraries

Schools & Libraries

1. Schools
 2. Libraries
 3. Community centers

Obstructions and Ownership

Obstructions and Ownership

1. Obstructions
 2. Ownership
 3. Summary of Challenges

DESIGN RECOMMENDATIONS

Design Recommendations

1. Street Crossings
 2. Development Opportunities
 3. Trail Sections

Trail Sections

Trail Sections

1. Narrow - 19.5'
 2. Scenic - 18'
 3. Underspace - 18'
 4. Wide A - 42'
 5. Wide Historic - 50'

Before & After: Trail Character Simulation

Before & After: Trail Character Simulation

1. Funding Sources
 2. Phasing Strategy

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Our Team

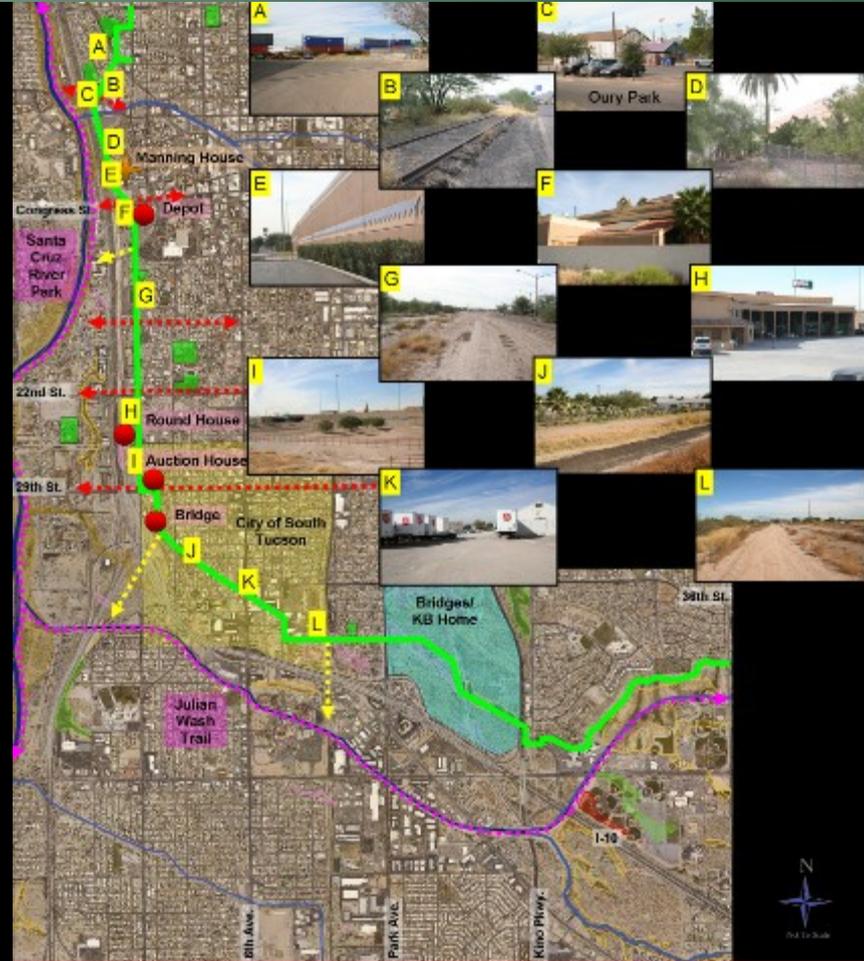


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General Background



El Paso and Southwestern Greenway

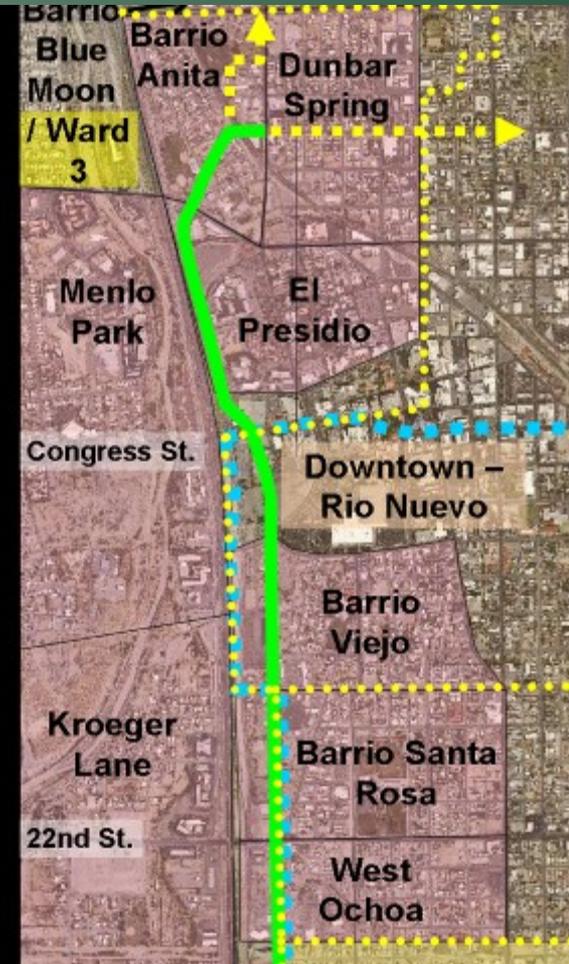


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1st Open House Focus Area

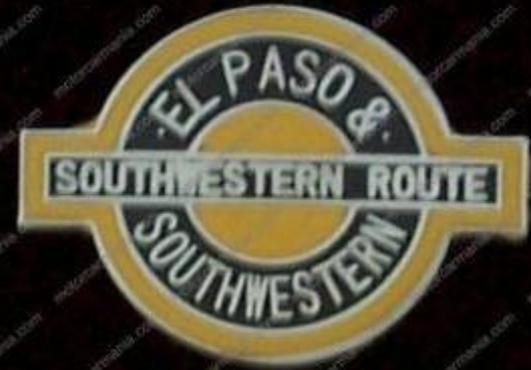
- University Blvd. & Main Ave. Intersection to the northern boundary of the City of South Tucson
 - Barrio Anita
 - Dunbar/Spring
 - El Presidio
 - Barrio Viejo
 - Barrio Santa Rosa
 - West Ochoa





Purpose of Open House

- Benefits of Trails
- Vision
- Known Areas of Concern
- Neighborhood Stories
- Project Process
- Schedule





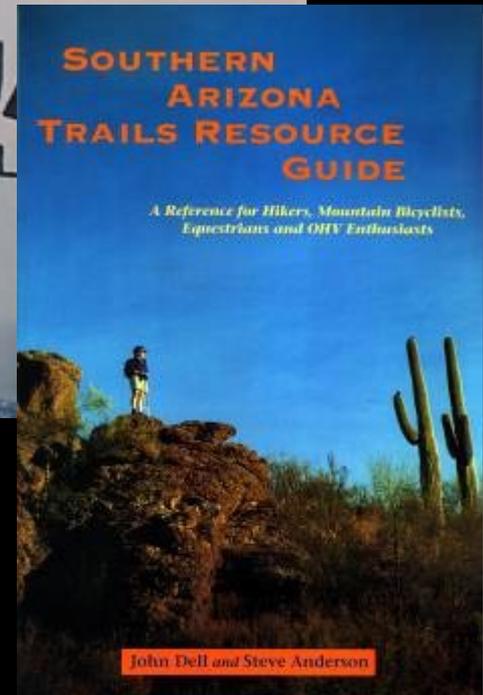
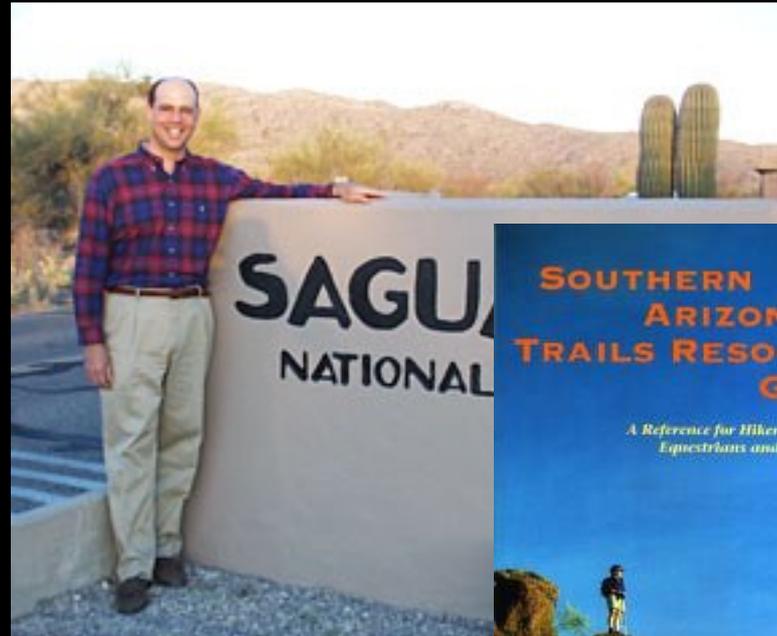
Benefits of Trails

**Presentation by
Charles A. Flink, FASLA
Greenways Incorporated
December 17, 2008**



Wishing a Speedy Recovery

- We are all hoping that Steve Anderson will make a speedy recovery!



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Multi-Objective Trails





Wonderful Array of Local Tra



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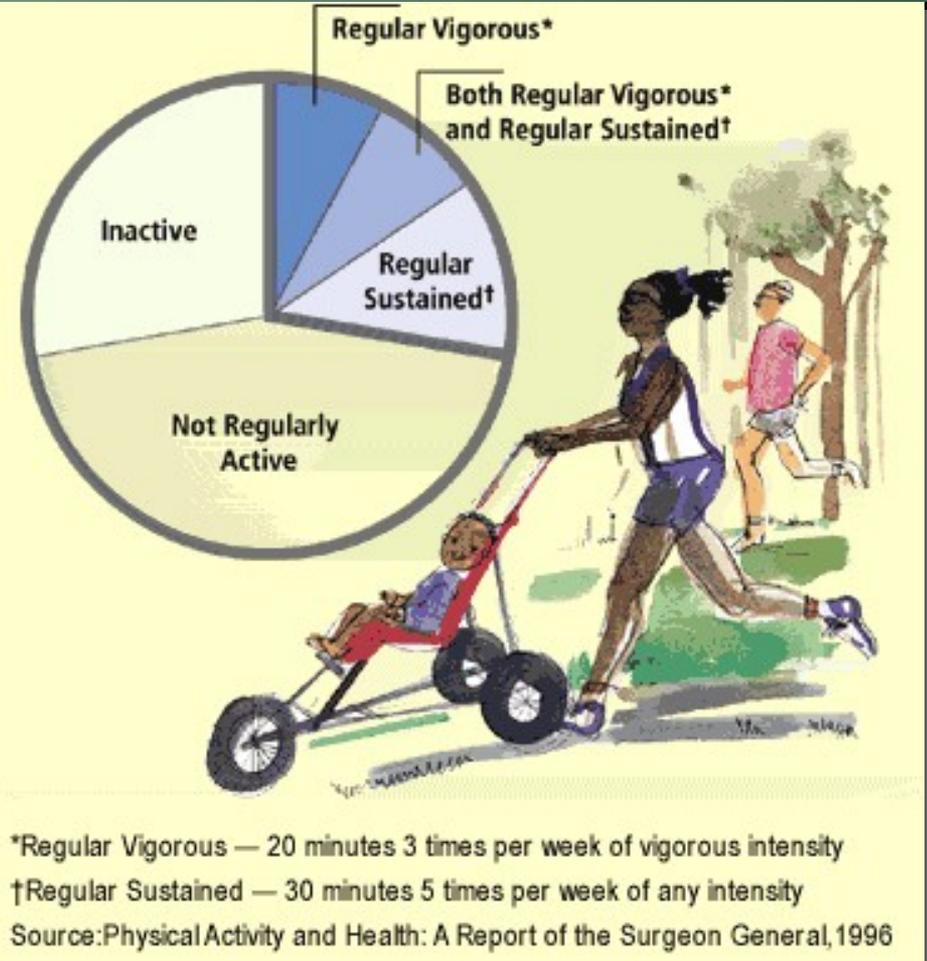
CENTER FOR THE
SOUTHWEST



Trails, Health & Wellness

Cost of Managing Health

The US spent \$1.7 trillion in health care costs in 2003, which is 15% of our GDP, and 4.3 times what we spent on National Defense.



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Health Benefits of Trail Use

Greenspace offers Low-Cost Health Care to all Americans

- Reduce obesity
- Increase physical activity
- Control hypertension
- Protect against developing non-insulin dependent diabetes
- Improve symptoms of mild-to-moderate depression and anxiety
- Reduces the chance of premature death
- Reduce arthritis pain
- Prevent osteoporosis



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Center for the Study of Health, Environment, and Society



Addressing Child Obesity

- Cardiac Risk Factors
- Type 2 Diabetes Risk Factors
- Orthopedic Problems
- Skin disorders
- Psychological / Psychiatric Issues



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SCIENCE AND
TECHNOLOGY
CENTRE



Trails = Healthy Americans

- Surgeon General is asking American communities to install trail systems
- President's Council on Physical Fitness - "build more trails"



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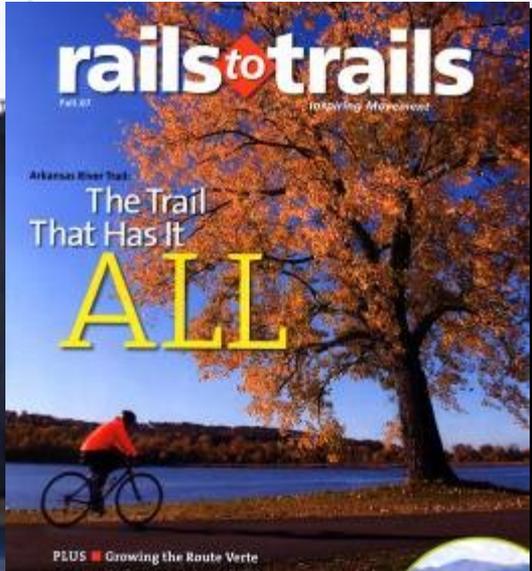
CENTER FOR THE STUDY OF
HEALTH, ENVIRONMENT, AND SOCIETY

Arkansas River Trail

Little Rock, Arkansas



Arkansas River Trail



- PEDS ■ Growing the Route Verte
- Happy Trails for H
- Little Trails That C
- Can and Do

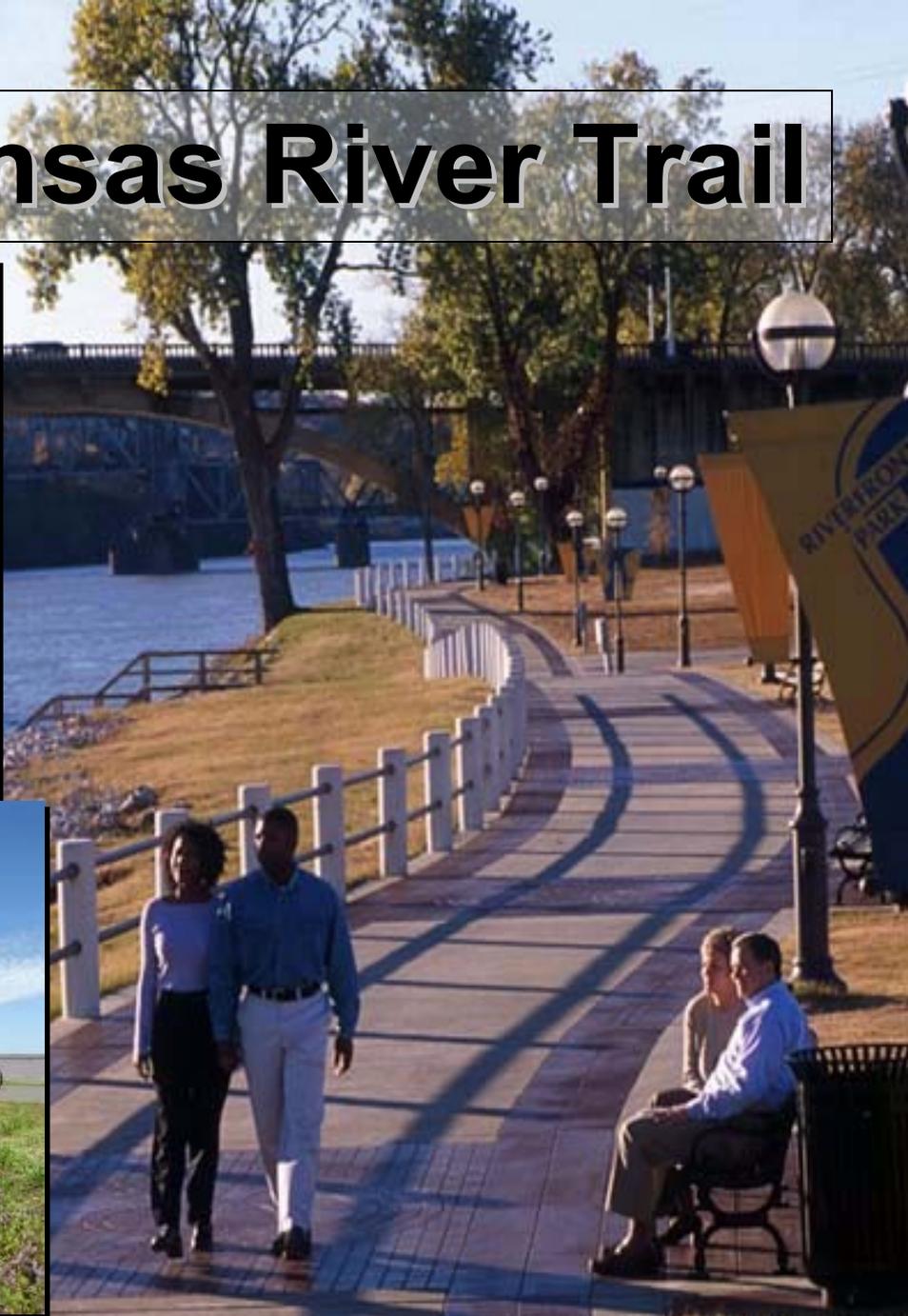


Photo Courtesy of Arkansas D

arks & Tourism

Arkansas River Trail



Photo Courtesy of Arkansas Dept of Parks & Tourism



Photo Courtesy of Arkansas Dept of Parks & Tourism



Trails & Economic Development



Key Economic Benefits

- **Value Added:** Greenspace and trails creates improved values throughout communities.
- **New Revenues:** Greenspace and trail facilities have been proven to generate new income streams in American communities.





Real Estate Values



National Homebuilders Association - residential properties will realize a 10 to 20% gain in value the closer they are located to greenspace.

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GROWTH



Jobs and Economic Growth

Outer Banks of North Carolina

“North Carolina Transportation Secretary Lyndo Tippet announced the results of a new study that shows bicycling facilities boost tourism dollars and jobs. The study focused on the northern Outer Banks, where it was projected that bicycling tourists make an annual economic impact of \$60 million and generate support for 1,400 jobs for the region.”





Greenways Attract Business

Ability of Greenways to Attract New Businesses

"We heard the jogging trails were **great** — never mind the airport and the universities and the fact that the area is friendly to chemical developers. We wanted the jogging trails."

Steve Brechbiel, Spokesperson Reichold Chemical

Health care is one of the leading concerns of American businesses

The way in which communities managed natural resources matters to the business community.



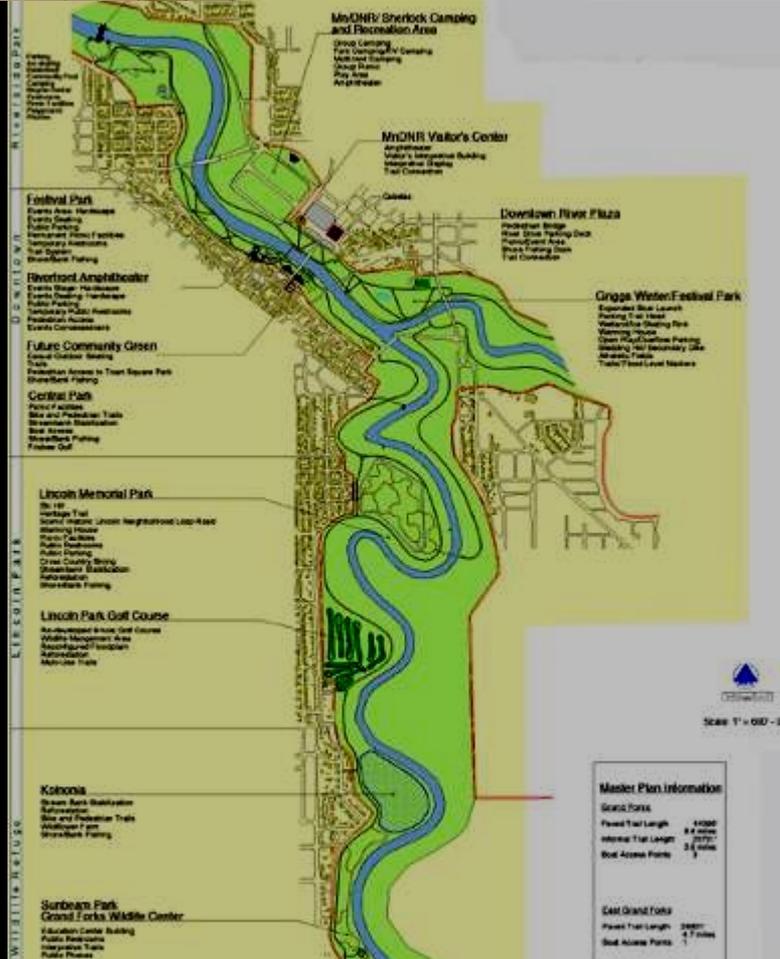
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Grand Forks Greenway



April 1997 Flood

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 SOUTHWESTERN GREENWAY
 GRAND FORKS, NORTH DAKOTA



Revenue Projections



Fishing



Camping



Picnicking



Watch Wildlife



Skiing



Racing

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Revenue Projections

Grand Forks and East Grand Forks Greenway

Base Dollars

Total Dollars

(multiplier effect)

Direct Revenue	\$28,860	\$50,148
Indirect Revenue	\$600,660	\$1,081,188
Community Revenue	<u>\$8,580,863</u>	<u>\$15,445,553</u>
Grand Totals	\$9,209,383	\$16,576,889

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SEARCH

Grand Forks Greenway

Greenway Day, June 2004 attracted more than 50,000 tourists to downtown Grand Forks





Downtown Greenville, SC



More than \$200 million in private sector investment

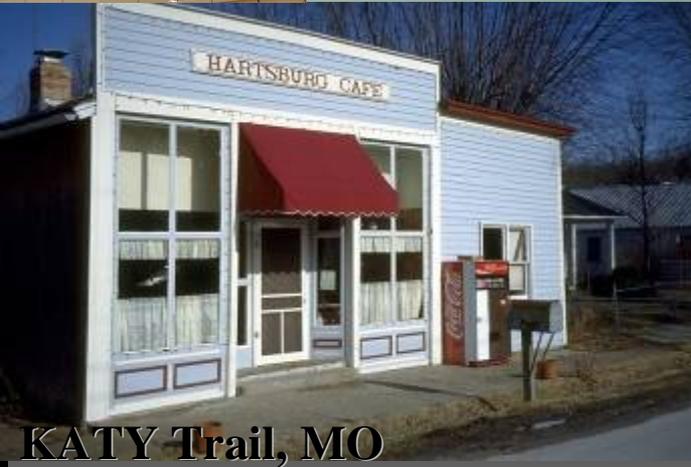


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SOUTHWESTERN GREENWAY
ARCHITECTURE

Greenspace = Greenbacks (\$)



KATY Trail, MO



Little Miami Trail, OH



Augusta Riverwalk, GA

Greenway systems generate millions each year in new revenue from local tourism operations. Many systems will return \$3 in revenue for every \$1 in expenditure invested.



Trails as Transportation





Solutions to Traffic Congestion



Offer an equivalent quality choice

Striving to make America more multi-modal



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SOUTHWESTERN GREENWAY AUTHORITY



Connect us with the Outdoors, Popular Destinations, and Each Other



Trails Stewardship

Thank You !

For more information visit
www.greenways.com



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SOUTHWESTERN GREENWAY
EL PASO, TEXAS



Vision

- To create a common thread connecting the greater Tucson community while embracing the local spirit of the Greenway history



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SOUTH ARIZONA GREENWAY
EL PASO AND SOUTHWESTERN GREENWAY



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COMMUNITY
DESIGN



A Common Thread....

Linking People & Places

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SOUTHWESTERN AREA
GREENWAY ENTITY



Fire Central Update



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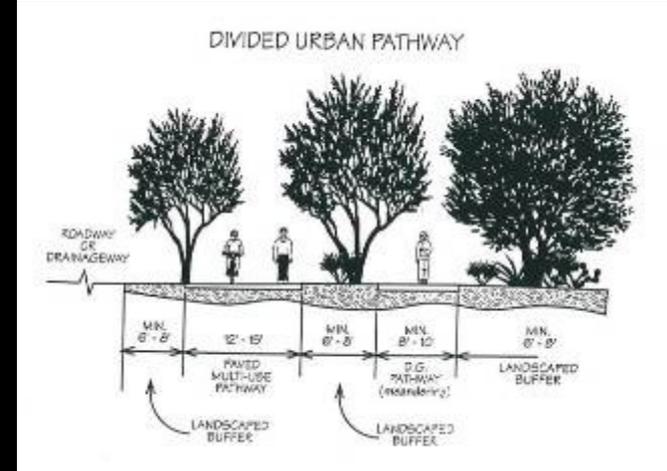


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Known Areas of Concern

- Crossings
- Limited R.O.W.
- Drainage
- Lighting & Security
- Sustainability



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Southwestern Greenway Alliance



Neighborhood Stories

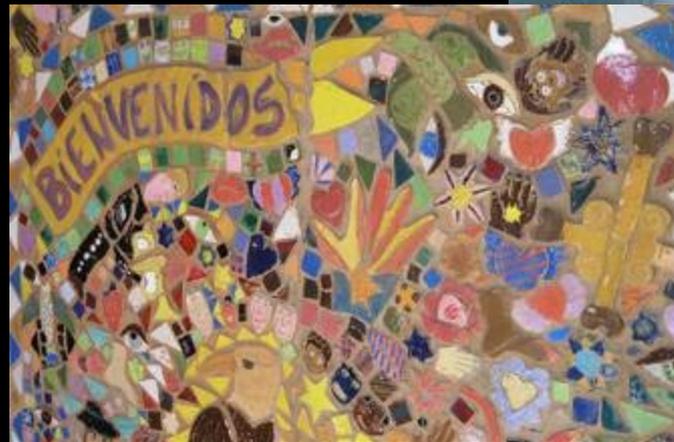
- Barrio Anita





Neighborhood Stories

- Barrio Anita
 - Importance of Community
 - Mexican Heritage & the Spanish Language
 - El Arroyo
 - Baseball & Recreation





Neighborhood Stories

- Dunbar Spring





Neighborhood Stories

- Dunbar Spring

- African-American Heritage
- Innovation & Sustainable Design
- Native Plants of the Sonoran Desert
- Community Art





Neighborhood Stories

- El Presidio



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Neighborhood Stories

- El Presidio

- Presidio San Agustin del Tucson
- Hohokam Culture
- The Railroad
- Spanish – Mexican Heritage



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Neighborhood Stories

- Barrio Viejo



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Neighborhood Stories

- Barrio Viejo
 - Carrillo Gardens
 - El Tiradito
 - Bright Colors & Flowers
 - Mexican Heritage & Music



Neighborhood Stories

- Barrio Santa Rosa



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Neighborhood Stories

- Barrio Santa Rosa
 - Gateways & hope
 - Bright, colorful tilework
 - Cultural diversity
 - Local artists



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Neighborhood Stories

- West Ochoa



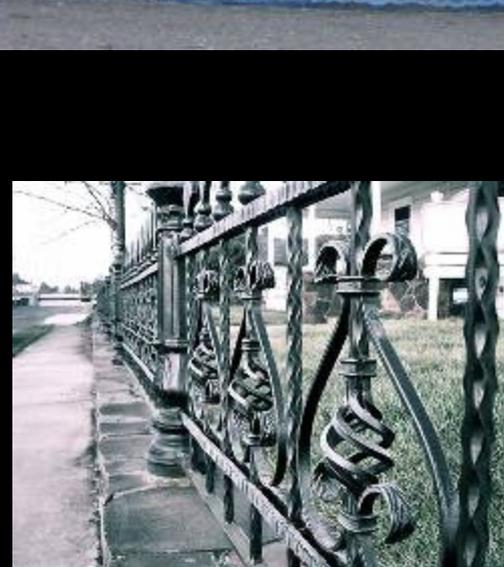
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Neighborhood Stories

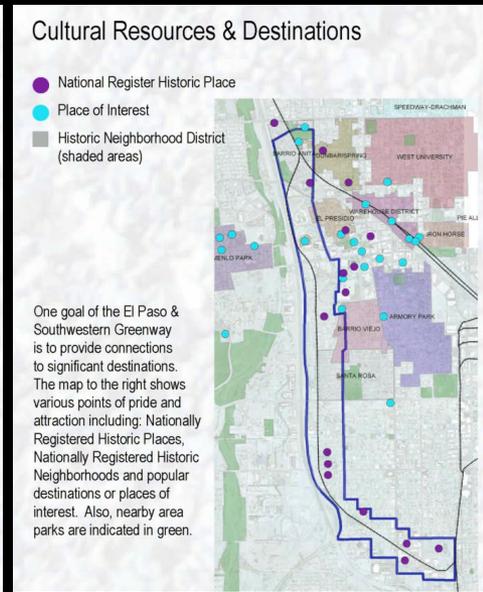
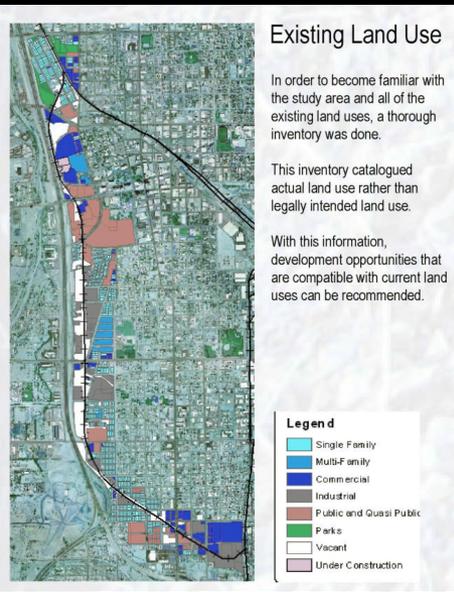
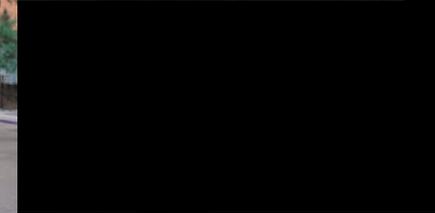
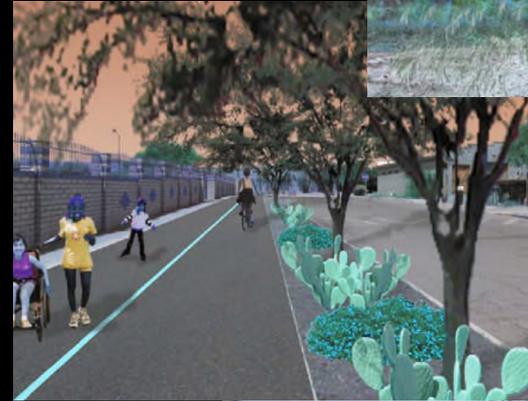
- West Ochoa
 - Iron-work
 - Religion
 - Tohono O'odham Culture
 - Education





Project Process

- Analysis
- Master Planning
- Phased Construction



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Project Schedule

July 2008

April 2009

January 2010

August 2010

Public Outreach

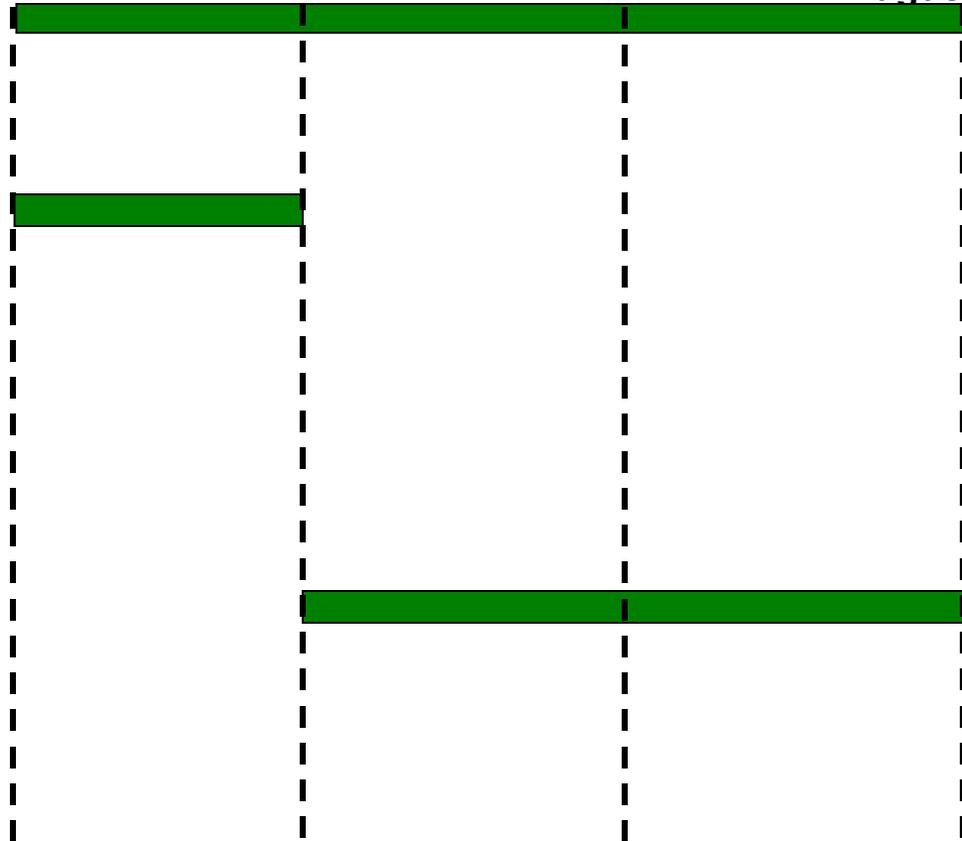
- * Community Outreach
- * Stakeholder Outreach
- * Development Outreach

Site Analysis

- * Review of Documentation
- * Aerial Survey
- * Evaluate Natural Resources
- * Evaluate Land Use & Linkages
- * Evaluate Infrastructure Assets & Conflicts
- * Determine Properties of Interest
- * Review of Development Activities & Potential

Masterplan Development

- * Final Alignment
- * Preferred Cross-section
- * Design Standards
- * Art Theme
- * Cost Analysis



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