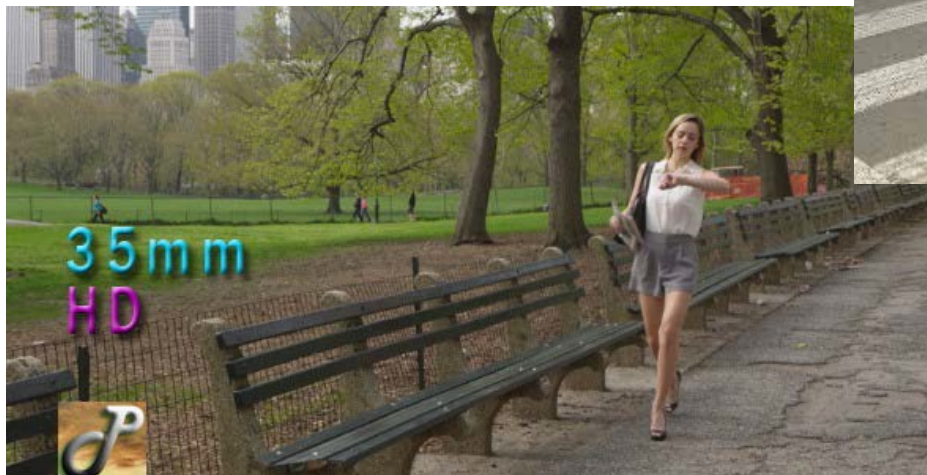
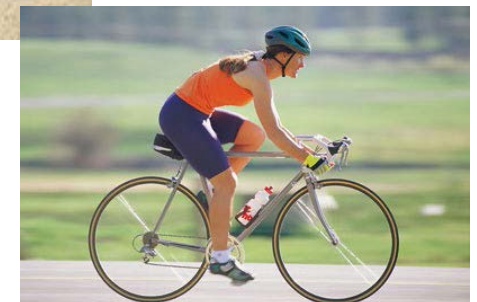


-What does sustainable transportation mean for your community?

Are there any specific concerns you are seeking to improve or demographics you are purposefully trying to engage or assist?



Types of Walkers/Bicyclists in Athens

Type of Walker/Bicyclist	Percentage of User in Athens	Grants Available to Help	Key Characteristics
Health/ Fun	Highest percent	Greenways/Rails to Trails/Multimodal/ Safe Route to Schools	Live in median to high income housing, will help support, politically active.
Can't afford cars	2 nd Highest percent	Multimodal	Live in housing projects or low income housing. Silent politically.
Too young to drive	3 rd Highest percent	Safe Route to Schools	Live in neighborhoods close to schools or with high percentage of children. More common in low income housing.
Choose to do the more sustainable option/ save money	Smallest percent	Multimodal/ Enhancement	All areas. Active proponents.

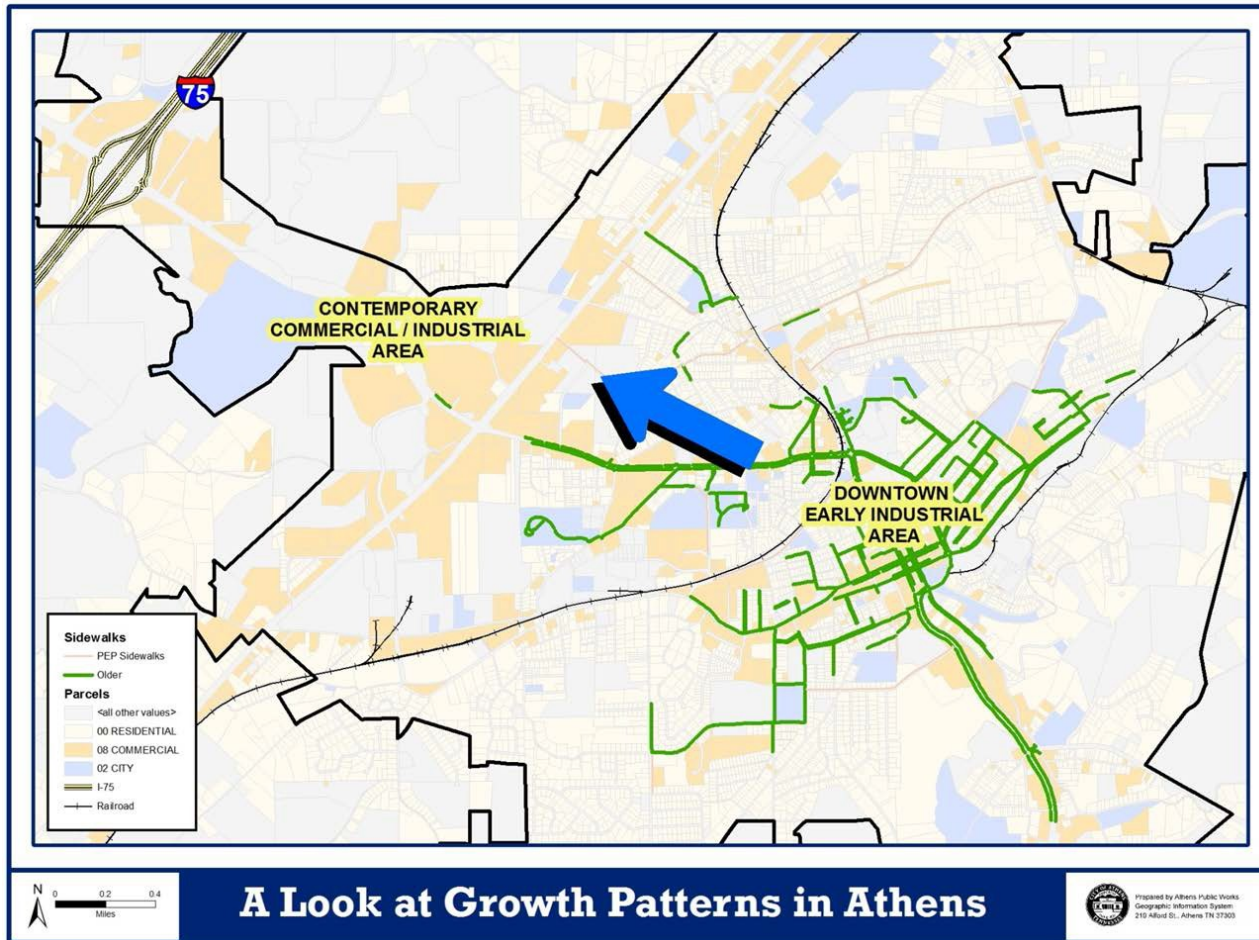
1. For Sustainable Transportation Program - Get Community Support

Athens Alive in 2035 was a 2 day work shop that anyone from the community could participate in and decide what Athens would look like in 2035. The first priority identified was new recreational facilities and the 8th priority identified was pedestrian and non-motorized vehicles.

2. Look at the Needs and Assets

1. We inventoried all our sidewalks and counted about 30 miles.
2. We identified most sidewalks as being built 50 years ago when Athens was centered around our downtown. Now jobs, housing, and commercial base have moved toward interstate.
3. We added an additional 6 miles to the system using Enhancement Grants, ARRA Funding.
4. We are adding an additional 3 miles in the next few years with Safe Route To Schools Grant and a Multimodal Grant.

Sidewalks needed to meet needs



3. Link Issues

Our Children will not live longer than us,
which is the first time this has happened in the
US.



We linked several issues in Athens to bring supporters together on Sustainable Transportation issues:

1. Diabetes and Health - More sidewalks, trails, parks, and access to healthy food and community gardens. Also opened up more money and partners like McMinn Living Well.
2. Community gardens and parks created partnerships with churches, food banks, and opened up Days of Service with hundreds of volunteers.
3. Built parks and started partnership with area industries like Denso who wanted Eco Park and gave ¼ million in help for more grants.
4. Partnered with horse groups that wanted more trails.
5. Built green parking lots and led to fixing drainage problems with pervious pavers which allowed hidden bio-retention areas to be built.
6. Fixed safety issues with sidewalks and landscaping.

4. Identify

Identified areas where sidewalks or bike trails could be built including:

- Abandoned railways
- Unused/undevelopable industrial properties
- Public owned lands where we had environmentally sensitive areas that needed protection
- Existing streets with enough right-of-way
- Areas of overly wide streets that needed a road diet, or narrowing the road to allow sidewalks or bike lanes.

5. Identify Funding

1. Look at raising money through private donors or groups.
2. Look for TDEC and TDOT grants for greenways, sidewalks, or bicycle facilities.
3. Links to cities means link to different governments contributing.
4. Get partners to look for grants.

6. Build it/ Use Cutting Edge Technology

Build using a combination of contract work, donated work, in-house work, and volunteers.



Sustainability also means the ability to maintain what you have affordably.

1. Developed the first in-house Liquid Road application. Which is a double slurry seal equivalent to a micro surface that can allow you a perpetual pavement. Overlays cost almost 300% more than they did 10-15 years ago, but liquid road if done in house, is about a 1/10 of the cost and is better for the environment.
2. Started in-house sidewalk grinding. In the past sidewalks with trip hazards were replaced, but crews are now grinding them smooth to get a longer life out of them and saving 10's of thousands of dollars per year.

Take a look at our projects

Projects completed in Athens in the last 10 years:

1. Wetland Park with Trail
2. Eagle Trail at undeveloped industrial site
3. Completed first phase of Denso Eco Park including trail
4. Completed first phase of Eureka Trail a rails to trails program connecting Athens to Englewood
5. Complete repurposing Knox Park into a nature park with trail system & renamed Prof Powers Park.
6. Built 6 miles of new sidewalks with Enhancement and ARRA funds
7. Building another 3 miles of new sidewalks with Multimodal and Safe Route to Schools Funds
8. Build North City Community Garden
9. Build City Park Community Garden
10. Build TWC Community Orchard
11. Build Coordinated Charities Community Garden

Cook Drive - Sidewalks fixed perceived Safety issues

One of the first sidewalks was on Cook Drive which links SR 39 to SR 30 through a low income housing area and a medical district. The area was considered unsafe because of past drug issues, and violence on the sidewalk. A major book was written about it called, “Tragedy in Tin Can Holler”. By adding a sidewalk, benches, and beautiful landscaping along with fruit trees the areas is now used by many to walk. Nurses and doctors are often seen walking on their lunch breaks.



First mile of pervious pavers



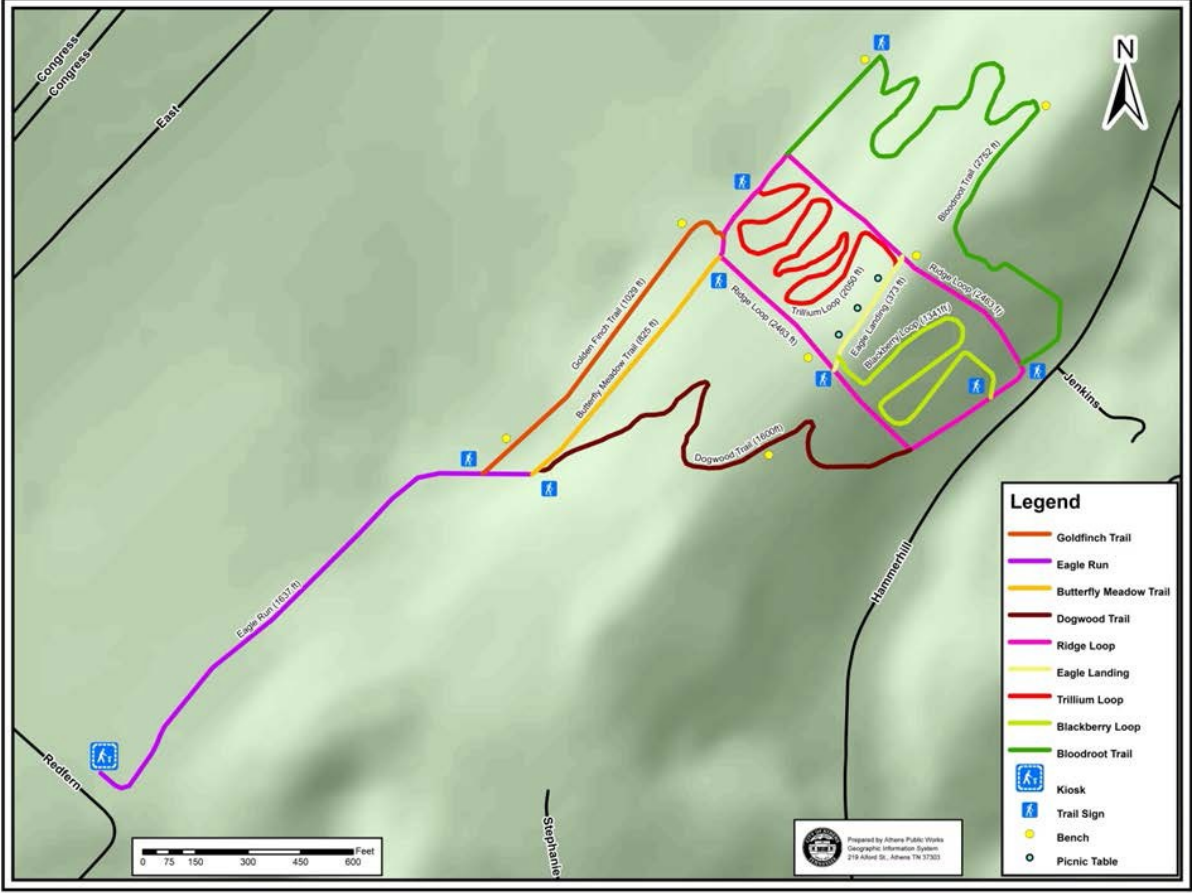
Built Wetland in Library's flood zone and made it into a walking trail and outdoor classroom



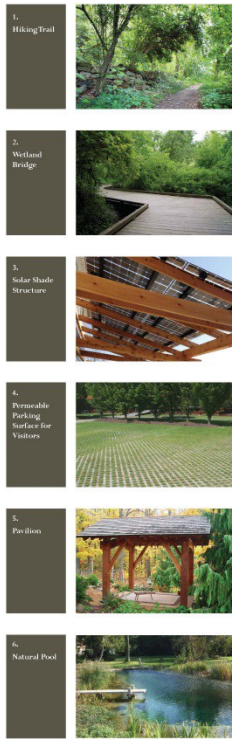
Community Gardens and Orchards



Eagle Trail built on unusable Industrial Property



Denso Eco Park



- Legend**
1. Hiking Trail
 2. Wetlands Bridge
 3. Solar Shade Structure
 4. Permeable Parking Surface for Visitors
 5. Pavilion
 6. Natural Swimming Pool
 7. Entrance Sign
 8. Visitor Center with Restrooms
 9. Japanese Fruit Orchard
 10. Garden Shed
 11. Existing Wetlands
 12. Landscape Screen
 13. Restroom/ Outbuilding
 14. Site Steps
 15. Nature Outlook
 16. Existing Specimen Tree to Remain
 17. Creek
 18. Existing Pump Station Screen
 19. Beach with Rock Garden
 20. Bonsai Garden
 21. Windmill
 22. Existing Sewer Line
 23. Existing Water Line
 24. Existing gas Line



City of Athens/DENSO Eco Park
Athens, Tennessee

These drawings are for communication of design intent only and are not intended for construction or fabrication

DENSO



STUDIO
FOUR
DESIGN inc.

The Secret to Effective Partnerships lies with this Dog.



The UGLY DOG PHENONMENON

1. Some one loves this dog or someone else would have killed it.
2. Our Programs are ugly dogs and we need love in order to sustain and prosper our programs.
3. People love the dog because they feed it, clean it, name it, put collars and clothes on it. And go around and clean up its Boo.
4. People will love your programs for the same reasons.
5. Then those that are not involved will love your program as well because they love those that are involved.



Applause

