

North Central Texas
Council of Governments

ACTIVE TRANSPORTATION PROGRAM OVERVIEW

REGIONAL PLANNING FOR OFF-STREET PATHS AND ON-STREET BICYCLE FACILITIES

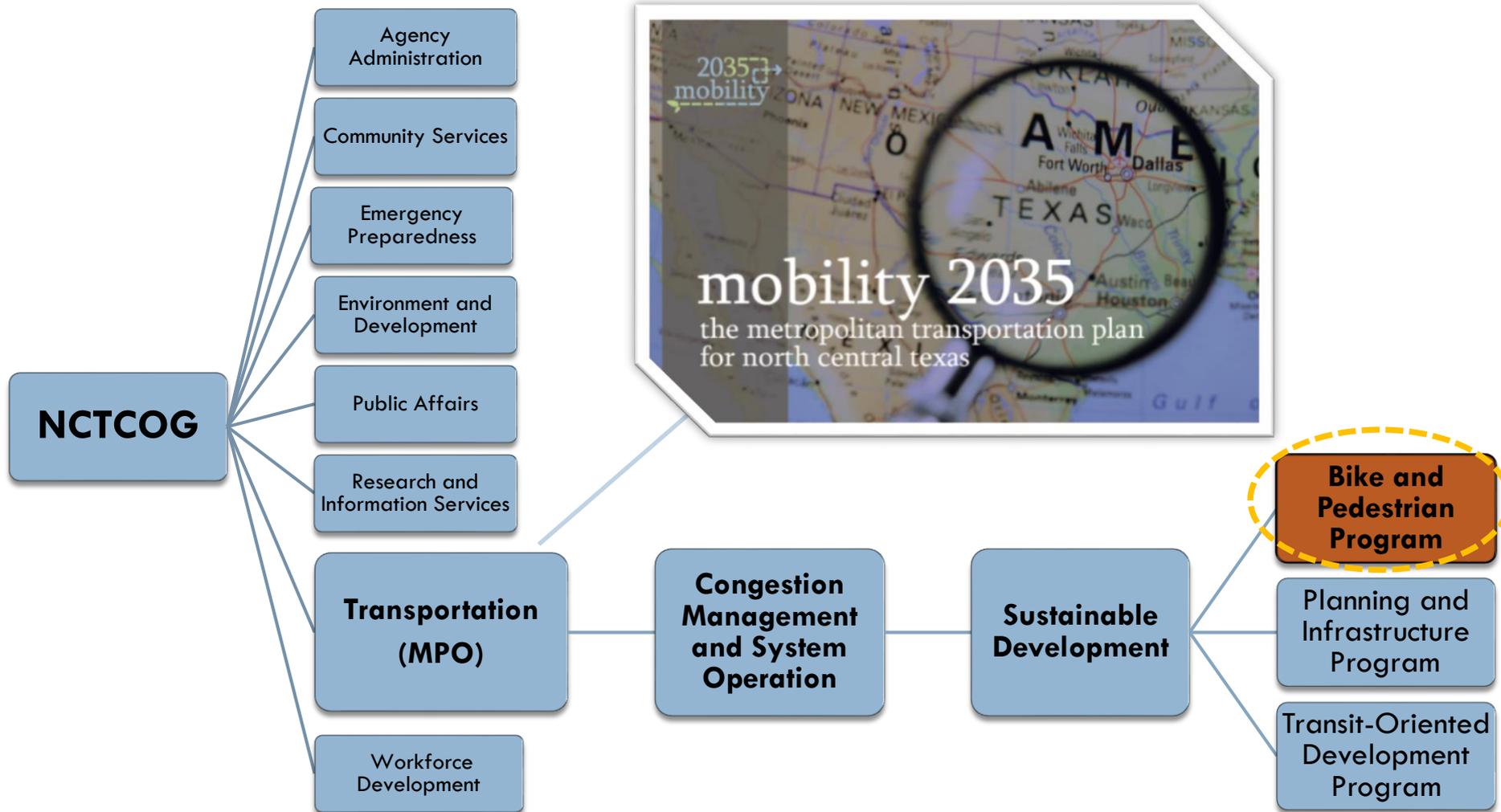


Oct. 16, 2014

Greater Fort Worth TextTE Section Meeting

Who We Are

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NCTCOG Region

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Land Area / Population

□ Region

16 Counties = 12,800 sq. mi.

□ MPA

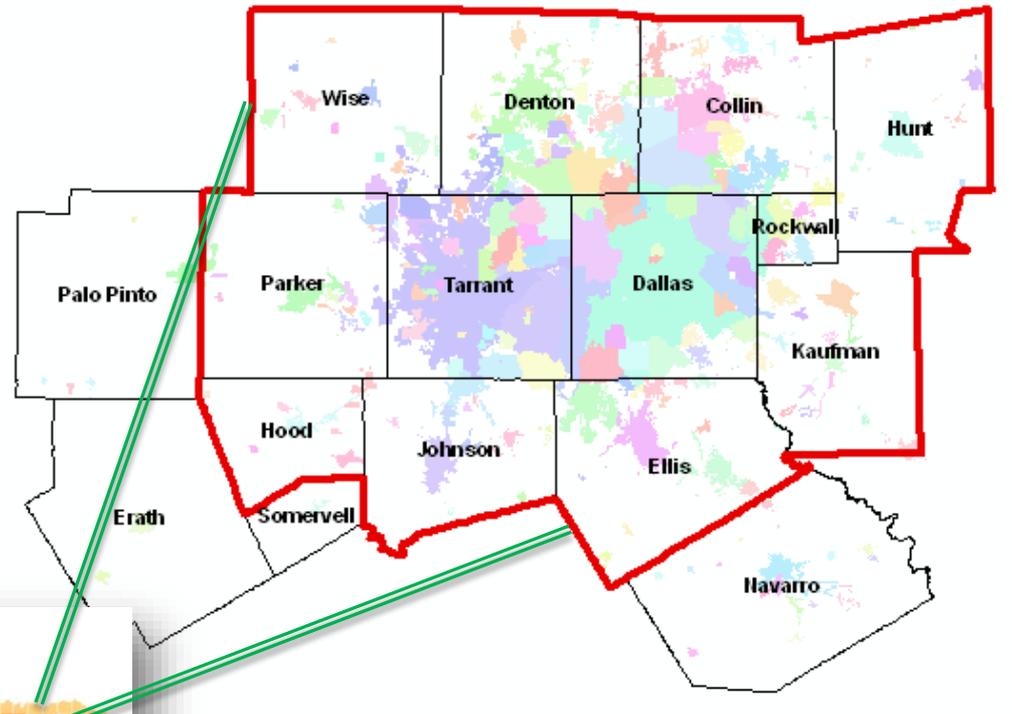
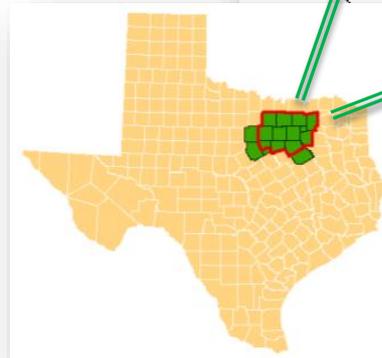
12 Counties = 9,441 sq. mi.

209 cities

□ MPA Population

2013 = 6,778,201

2035 = 9,833,378



What is Active Transportation?

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Human-Powered (Non-Motorized) Transportation

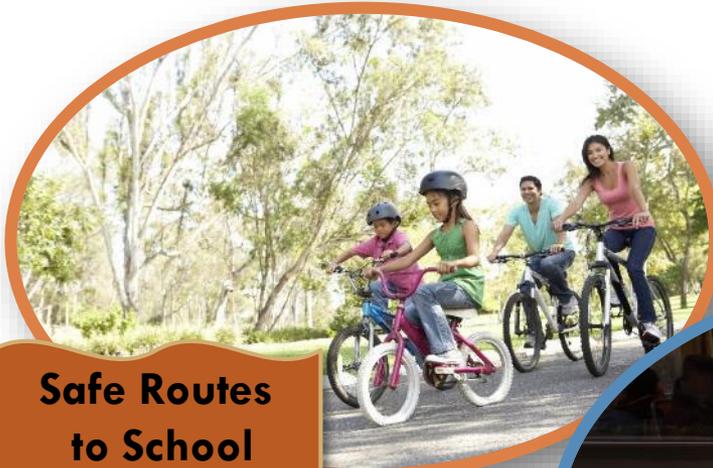
- Active Transportation includes many active modes of travel:
 - Walking/Jogging/Running
 - Cycling
 - Skating
 - Skateboarding

- Active Transportation Facilities Include:
 - Off-street Paths (Trails) and Sidewalks
 - On-street Dedicated Bikeways

Planning for Active Transportation Users

All Ages and Abilities

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**Safe Routes
to School**



Walking



Commuting



Cycling

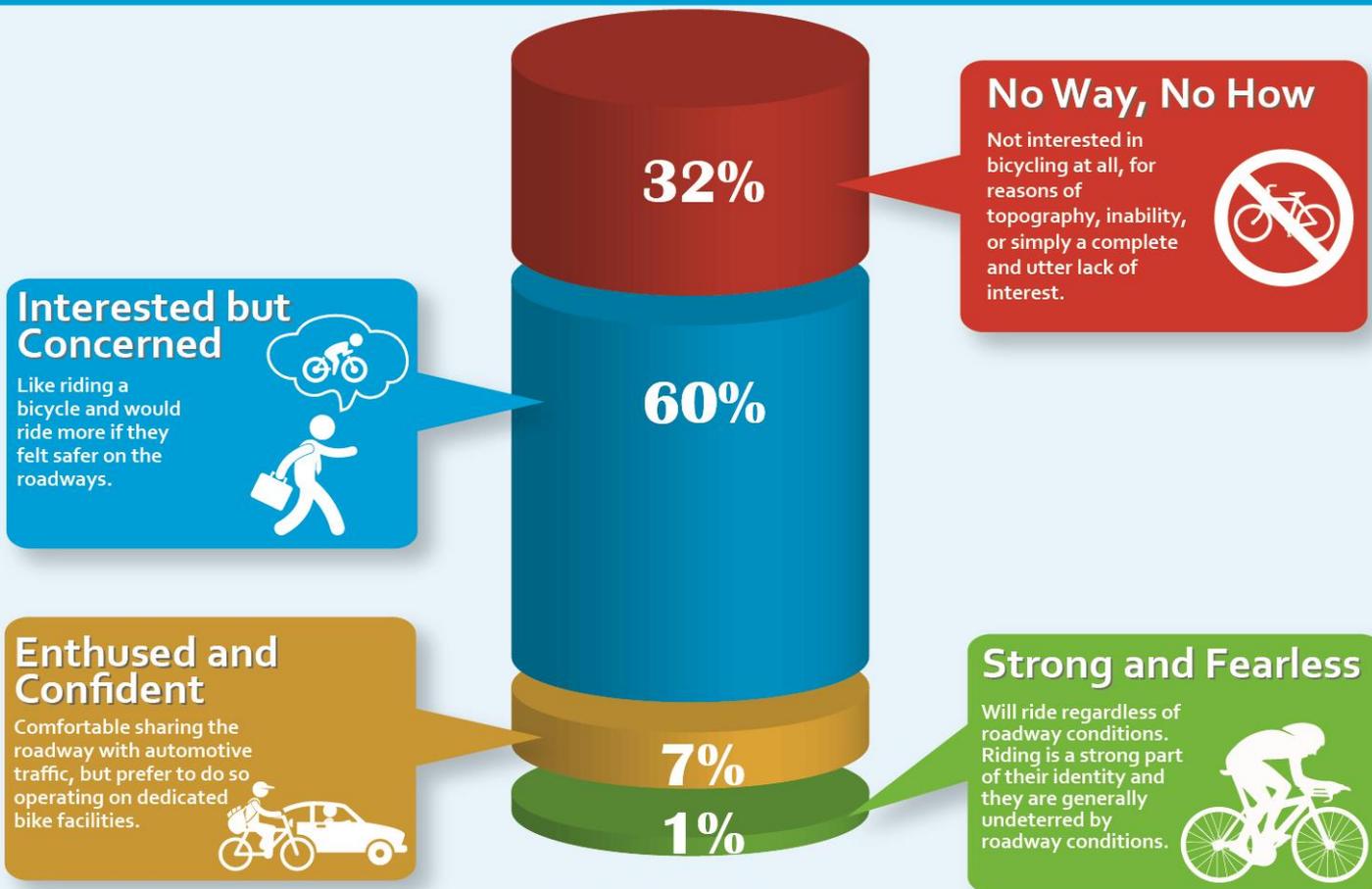


**Recreation
and Exercise**

Planning for Bicycle Users

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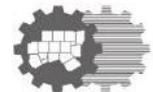
Four Types of Potential Cyclists



Source: Portland Bureau of Transportation

Planning for Regional Active Transportation Facilities

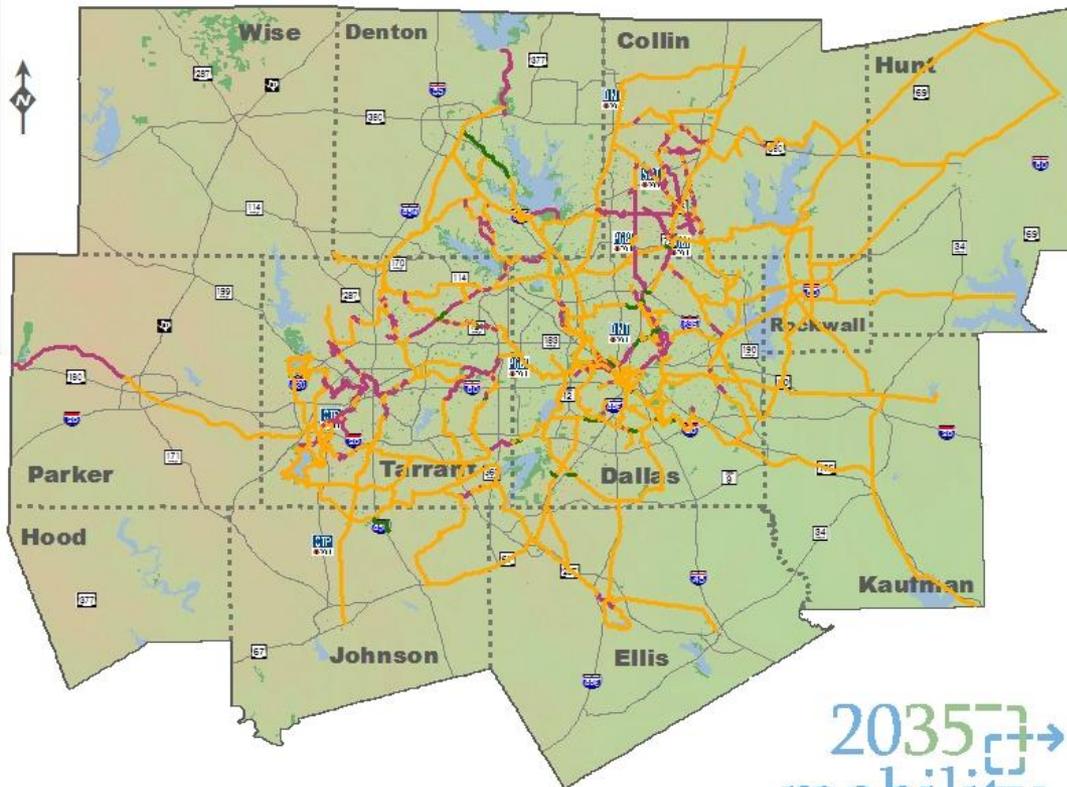
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Regional 'Veloweb'

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Bicycle and Pedestrian Off-street Facilities



- Off-Street Paths (trails)
- Approx. 350 miles existing/ funded and 1,377 miles planned

Facility recommendations indicate transportation need. Corridor specific alignment, design, and operational characteristics for the Regional Veloweb system will be determined through ongoing project development.

2035
mobility
2013 amendment

What is a Shared-Use Path (Trail)

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Examples

Photo: Tilley Bridge

West Fork Trinity River, Fort Worth



Photo: River Legacy Trail, Arlington



Photo: Bluebonnet Trail, Plano

Regional 'Veloweb' Overview

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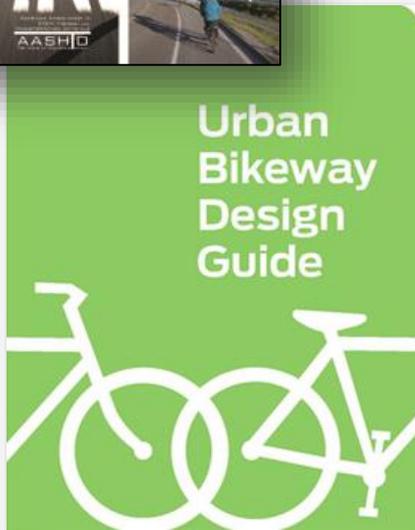
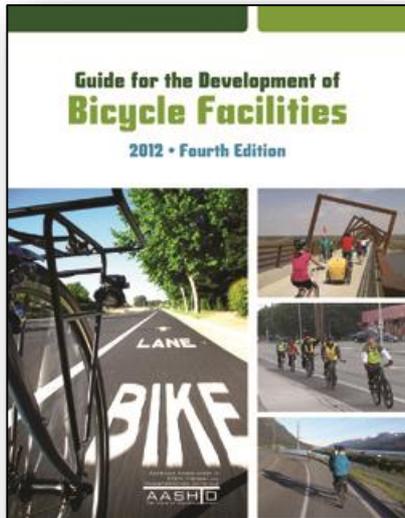
- Design Considerations
 - ▣ Off-Street Shared-Use Paths
 - ▣ Long-lasting Impervious Surfaces
 - ▣ Recommended Width of **12' (min)**
 - ▣ Easy Access from Roadways, Especially On-Street Bikeways
 - ▣ Easy Access to Common Trip Destinations
 - ▣ Few, if any, Signalized Stops or Intersections



Photo: Cotton Belt Rail Trail,
North Richland Hills

Bikeway Facilities Terminology and Design

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Design Considerations

AASHTO

(American Association of State Highway and Transportation Officials)

Guide for the Development of Bicycle Facilities (2012)

NACTO

(National Association of City Transportation Officials)

Urban Bikeway Design Guide (2012)

Bikeway Facility Types

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Off-Street (Non-Motorized Users)

- Shared-Use Path
(trail with independent ROW)
- Sidepath
(parallel to roadway)
- Raised Cycle Track
(sidewalk level adjacent to street)



On-Street Bicycle Facilities

- Bike Lanes
- Marked Shared Lanes
(sharrows)
- Shared Lanes
(wide outside lanes)
- Paved Shoulders
- Cycle Tracks (street level)
- Bicycle Boulevard

'Other' Types of Local Facilities

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Off-Street (Non-Motorized Users)

- Nature trails
- Equestrian trails
- Private paths and sidewalks (office parks, subdivisions, etc.)
- Wide (Enhanced) sidewalks

On-Street Bicycle Facilities

- Signed Bike Routes
- Shared Lanes with no special provisions (local streets with less than 1,000 vehicles per day)

Regional 'User' Count Program

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- Why count users of Active Transportation facilities?
 - ▣ Provide Data About Actual Non-motorized Travel Volumes (Mobility Plan Performance Measures)
 - ▣ Inform the Public and Decision Makers About Actual Usage and Travel Patterns
 - ▣ Analyze Trends
 - ▣ Evaluate the Impacts of Specific Projects (before/after)
 - ▣ Help Prioritize Funds for Bicycle and Pedestrian Infrastructure

Count Technology

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Permanent
Infrared and Inductive
Loop Combination



Inductive Loop



Tubes



Infrared Sensor Box



Infrared Sensor with
Direction Detection

Count Technology

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□ Mobile Equipment (short term counts)



Tubes

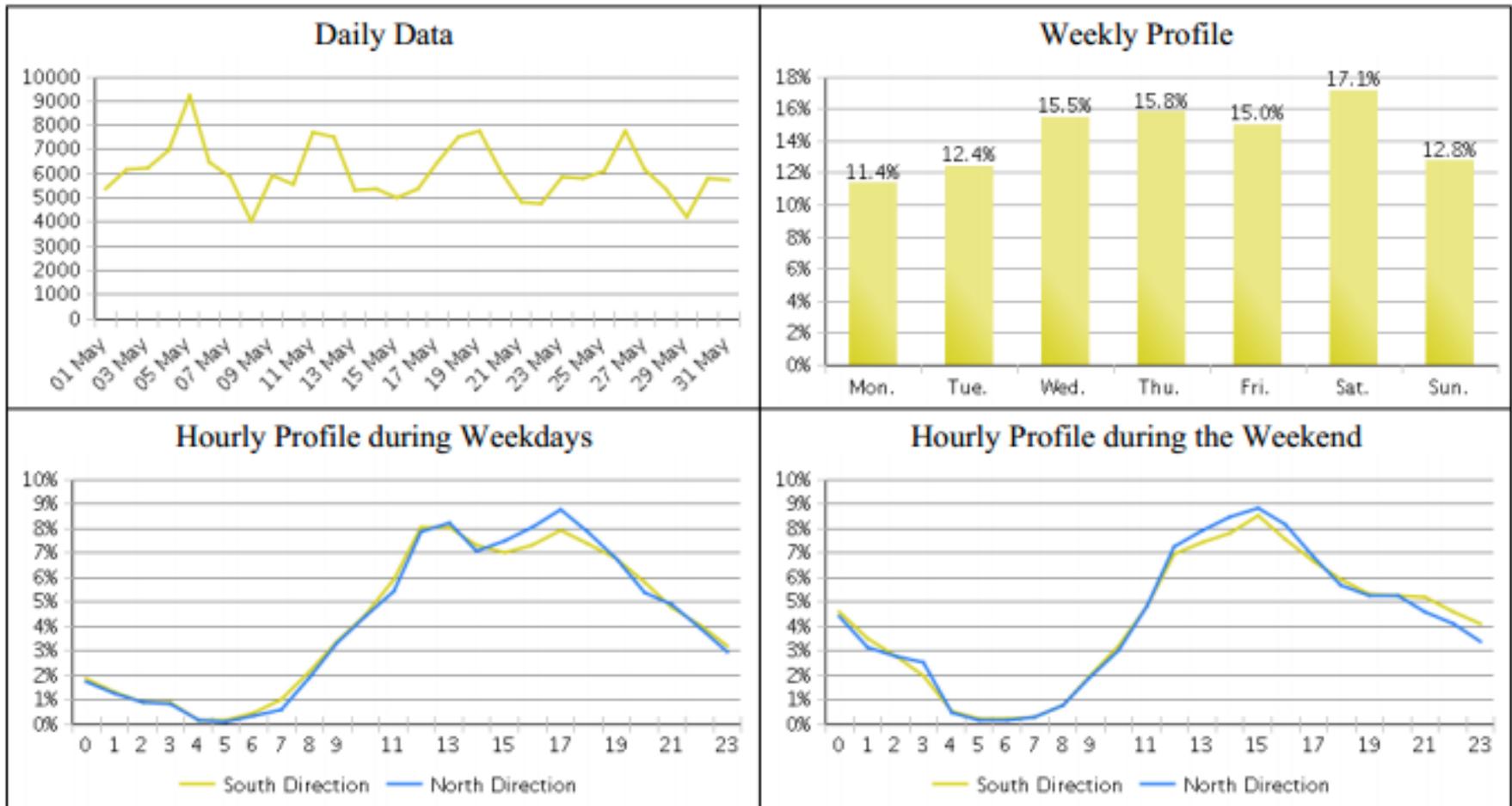


Tubes with
Infrared Sensor Box
Installed

Travel Data

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Data Profiles for reporting and display on web sites.



Resources and Outreach

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- Safety / Education Brochures
- Links to Web Resources
- Bicycle and Pedestrian Advisory Committee (BPAC)
- Training

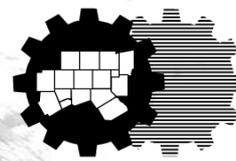


nctcog.org/bikeweb

A screenshot of the website nctcog.org/bikeweb. The page has a blue header with navigation links: 'Bicycle and Pedestrian Healthy Initiatives', 'Bicycle and Pedestrian Meetings and Events', 'Bicycle and Pedestrian Mobility Plan Chapter', 'Bicycle and Pedestrian Safety', 'BikeWeb (Trail Information System)', 'Regional Veloweb', 'Links and Resources', 'Presentations', and 'Transportation Home'. The main content area is titled 'DFW Maps' and includes a sub-header 'Use the interactive map to determine routes/trails (look under Transportation -> Transportation -> Trails section for layer controls and legends)'. Below this is a grid of links to trail information by county:

Collin County	Dallas County	Dallas County (cont.)
<ul style="list-style-type: none">Collin CountyAllen TrailsFrisco TrailsMcKinney TrailsPlano On-Street Bicycling SystemPlano Trail System	<ul style="list-style-type: none">Addison TrailsCottonwood Trail, DallasCedar Hill State Park TrailsCedar Trails Green Belt, Cedar HillCoppell Trail SystemDallas County TrailsDallas Bikeway SystemDallas TrailsFarmers Branch Trails	<ul style="list-style-type: none">Grand Prairie TrailsIrving TrailsKaty Trail, DallasLancaster TrailsPreston Ridge Trail, DallasRichardson Bicycle FacilitiesRichardson Trail SystemSanta Fe Trail, DallasTrinity Strand Trail, DallasWhite Rock Trail, Dallas
Hunt County	Tarrant County	Tarrant County (cont.)
<ul style="list-style-type: none">Northeast Texas Trail - 132 miles	<ul style="list-style-type: none">Fort Worth TrailsColleyville TrailsEufless TrailsGrapevine TrailsHurst Trails PlanKeller TrailsTrails of Denton CountyTrophy Club Nature Trails	<ul style="list-style-type: none">River Legacy Trails, ArlingtonSouthlake Nature TrailsTarrant County Trails - Texas Department of HealthTrinity River Trails, Fort WorthWalnut Creek Linear Park Trail, Mansfield
Denton County	Rockwall County	Local/State Links
<ul style="list-style-type: none">Corinth TrailsDenton TrailsFlower Mound TrailsHighland Village TrailsLewisville TrailsThe Colony TrailsTrails of Denton CountyTrophy Club Nature Trails	<ul style="list-style-type: none">Rockwall Trails	<ul style="list-style-type: none">BikeDFWBike Friendly ArlingtonBike Friendly Deep EllumBike Friendly DentonBike Friendly Downtown DallasBike Friendly DuncanvilleBike Friendly Farmers BranchBike Friendly Fort WorthBike Friendly GarlandBike Friendly Knox-HendersonBike Friendly LakewoodBike Friendly McKinneyBike Friendly North Dallas
Local/State Links		<ul style="list-style-type: none">Bike Friendly Oak CliffBike Friendly Oak LawnBike Friendly PlanoBike Friendly West DallasBike TexasCarrollton Cycling ClubCorinth Cycling ClubDallas Off Road Bicycle Association (DORBA)Friends of the Katy TrailFort Worth Bicycling AssociationGreater Dallas Bicyclists
		<ul style="list-style-type: none">LMRA Bicycling ClubLone Star CyclistsLone Star RandonneursMatrix Cycle ClubPegasus FlyersPlano Bicycle AssociationTeam Bicycles, Inc.Texas Active Living NetworkTexas Bicycle CoalitionTexas Bicycle Racing AssociationTexas FlyersTexas Trails Network

Contact Us



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