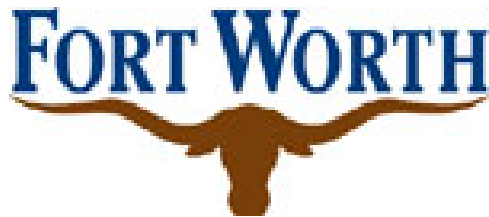

Sidewalk Survey and ADA Pedestrian Curb Ramp Study



**Bicycle and Pedestrian Advisory Council
North Central Texas Council of Governments**

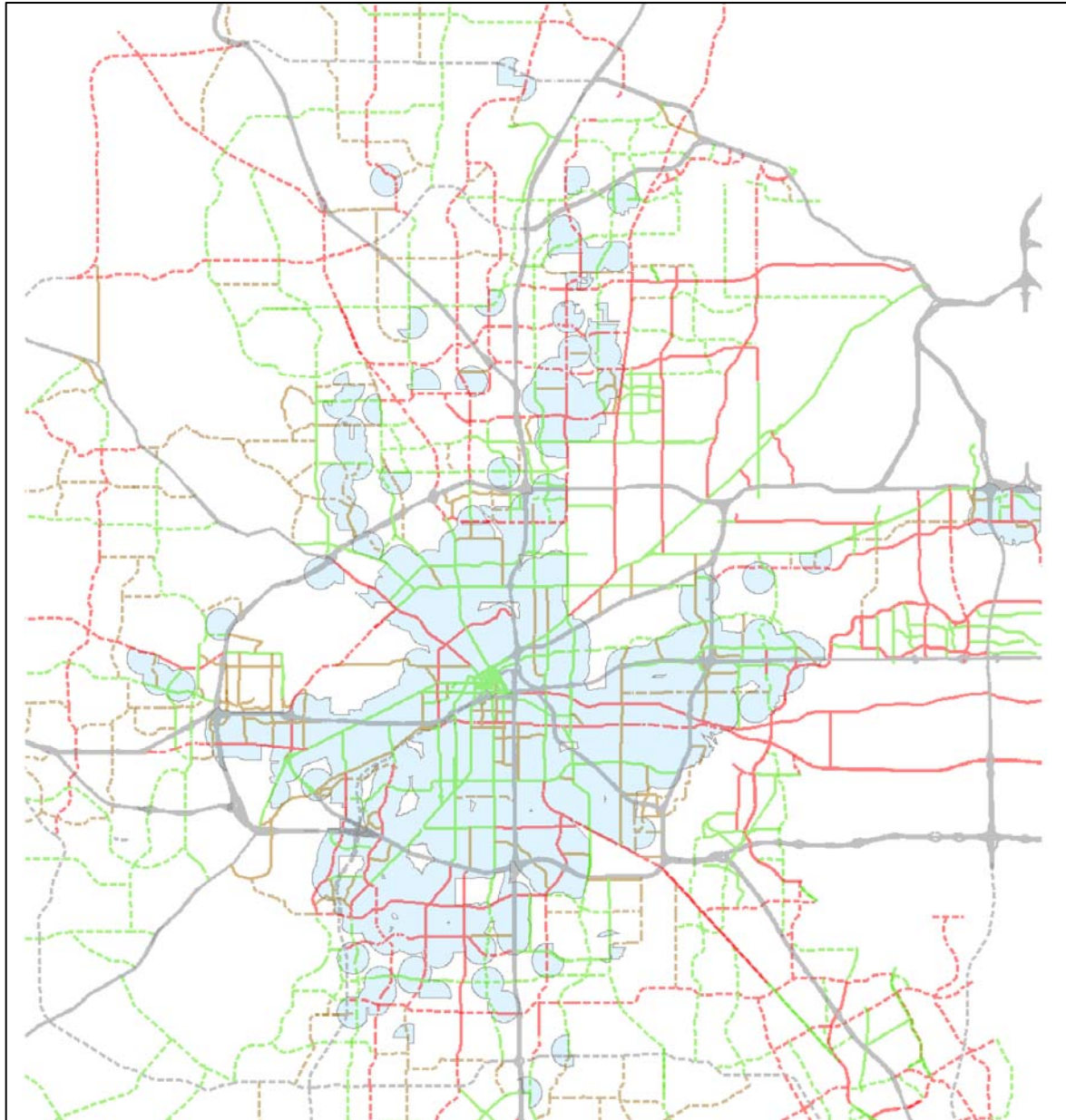
June 17, 2009

Sidewalk Survey Background

- Support City's Sidewalk Program
- Identify sidewalk needs:
 - New and Replacements (Repair)
- Study area
 - All public streets within the CBD
 - All arterials within Loop 820
 - All public streets within one half mile of all transit stops and public schools
 - Approximately 169 square miles (50% of City)



Sidewalk Survey Study Area



Survey Findings

- 55% of the study area is without sidewalks
- Projected Citywide need over next 20 years is \$41.9 million
- Cost for only arterial projects is approx. \$17.8 million
- Some neighborhoods have elected not to construct sidewalks

Summary of Sidewalk Study Deficiencies

Summary of Sidewalk Study						
Sidewalk Condition	Arterial			Non-Arterials		Total
	Principal	Major	Minor	Collector	Local	
No Sidewalk Present (ft)	358,854	587,230	370,833	2,053,101	7,998,375	11,368,393
Sidewalk needs Repair (ft)	784	4,540	920	12,202	28,662	47,108
Total Length (ft)	359,638	591,770	371,753	2,065,303	8,027,037	11,415,501
Total Length (miles)	68.1	112	70.4	391.1	1520.2	2,162

20-year Strategic Sidewalk Program Cost Projection

Road Type	Length (miles)	Projected Cost
Arterials	188 miles	\$17,862,750
Collectors	117 miles	\$11,152,500
Locals	152 miles	\$12,840,960
Totals	457 miles	\$41,856,210

- Assumes 5' standard sidewalk width for collectors/arterials; 4' width along locals.

ADA Pedestrian Curb Ramp Study – Why?

Legislative Background

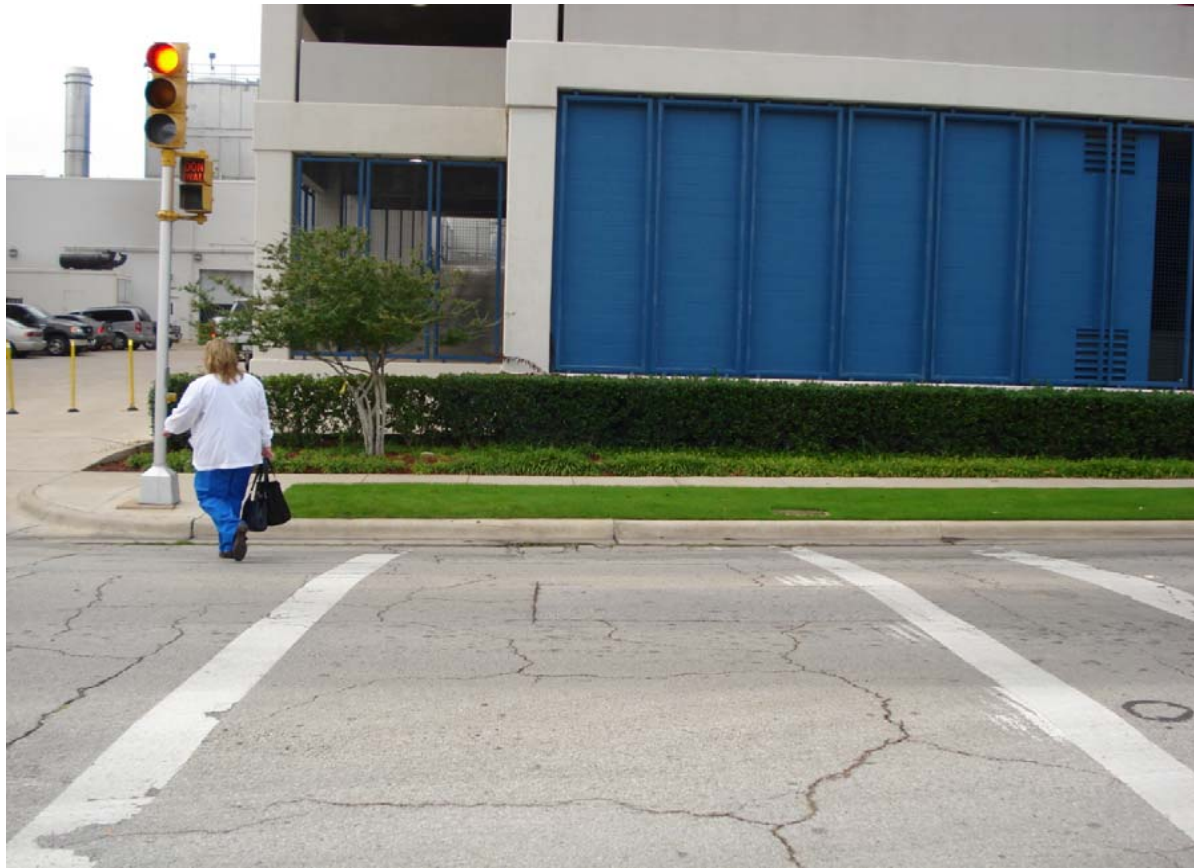
- Federal - Americans with Disabilities Act (ADA)
 - Transition Plan
 - Accessibility Guidelines
 - State of Texas
 - Architectural Barriers Act
 - Texas Accessibility Standards
- **Compliance is not a choice - and reduces City's liability risks**

ADA Pedestrian Curb Ramp Study – Why?

Key Issues/Concerns

- Pedestrian Safety
- Aesthetic/Functionality Effect
 - Advances Strategic Initiative of becoming “Most Livable City”
- Compliance with State and Federal Accessibility Regulations

Examples of Non-Compliant Designs



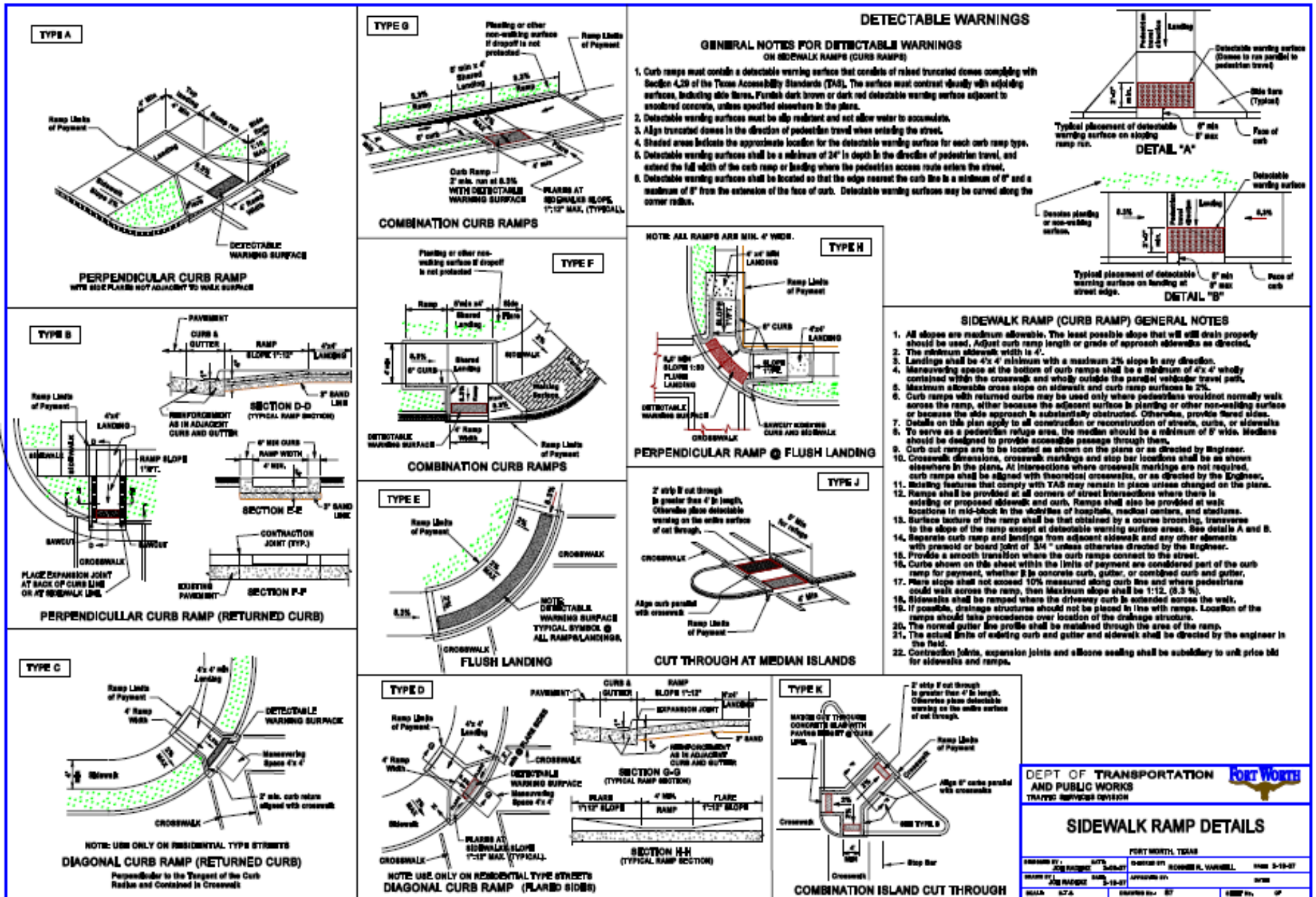
Examples of Non-Compliant Designs



Examples of Non-Compliant Designs



Current City Curb Ramp Designs



Summary of All Study Areas

Total ADA Ramp Study Results	
High Priority	
# of Ramps	Total Cost
202	\$627,100
Medium Priority	
# of Ramps	Total Cost
103	\$311,700
Low Priority	
# of Ramps	Total Cost
30	\$75,700
Total Cost to Repair all Ramps	\$1,014,500

Citywide Curb Ramp Cost Projection

- High Priority - \$41 million*
- Medium Priority - \$20 million
- Low Priority - \$5.7 million
- TOTAL - \$66.7 million

* 16 Curb Ramps recently completed via City's ADA Facility Program

Sidewalk & Curb Ramp Programs: Policy/Implementation Recommendations

- Increase sidewalk standard to 5-feet
 - **Arterials/Collectors**
- Inspection procedures/training
- Secure program/project funding
 - **Focus on high priority areas**
 - **Cost Efficiencies**
- Identify future ADA Curb Ramp study areas
 - **Equitable Funding Distribution Citywide**
- Utilize consultant methodology for future requests/evaluation

Next Steps

- Develop Work Plan
- Seek Partnership & Funding Opportunities



FORT WORTH



Bike Fort Worth

Cinnamon Hill



Bicycle Transportation Study

**A Comprehensive Bicycle
Transportation Plan
City of Fort Worth**

June 17, 2009

Bicycle and Pedestrian Advisory Council
NCTCOG

Study Overview

Why a new bicycle plan?

Build upon previous efforts

- 1999 Bicycle Blueprint – Phase I complete
- Bike rack installation
- Success of bike racks on buses (The T)
- Implementation of wide outside lane on arterials



Increased public emphasis on:

- Gas price volatility
- “Green” movement and sustainability initiatives
- Air quality and mobility/alternatives to traffic congestion
- Public health: obesity/sedentary lifestyles

Supportive of City’s “Most Livable City” Goal

and results from 2008’s *Let’s Talk Fort Worth*



Study Overview

Why a new bicycle plan?

Bicycle Transportation Has Tremendous Potential

Trips in the U.S.:

- 24% - < 1 mile
- 40% - < 2 miles

1/3 of Americans

do not or cannot drive



Study Overview

How did we get here?

2007

- **Internal kick-off**
- **Bicycle Study Technical Committee (BSTC) established**
- **Conducted surveys**
- **Initial public meetings/workshops/event displays**

2008

- **Research of guidance and best practices**
- **BSTC guidance developing plan recommendations**

2009

- **Draft recommendations finalized**
- **Public meetings**



Study Overview

Purpose and Goals



Purpose

- Identify projects, policies and programs that will increase the use, safety and convenience of bicycling as an integral component of the City's transportation system



Goals – by 2020

- Triple the level of bicycle transportation
- Decrease the level of bicyclist-related crashes by 10%
- Attain official designation as Bicycle Friendly Community (League of American Bicyclists)



Recommended Bikeways System Development

System Priorities

- Use and expand upon **1999 Blueprint** system
- **Provide links** to existing and planned facilities in **neighboring cities**
- Provide routes along **major travel corridors**
- **Avoid** existing **Principal Arterials**; seek alternative parallel routes
- **Fill gaps** and address/overcome barriers
- Provide **connections to major bicycling destinations**
 - Transit centers
 - Existing and planned rail stations
 - Urban villages
 - Downtown Fort Worth
 - Schools, colleges & universities
 - Major employers
 - Trinity Trails
 - Parks and recreation areas

Recommended System Components

System Facility Types

On-street Signed/Marked Routes



Dedicated Bicycle Lanes (Striped)



Off-street Mixed Use Paths (Trails)



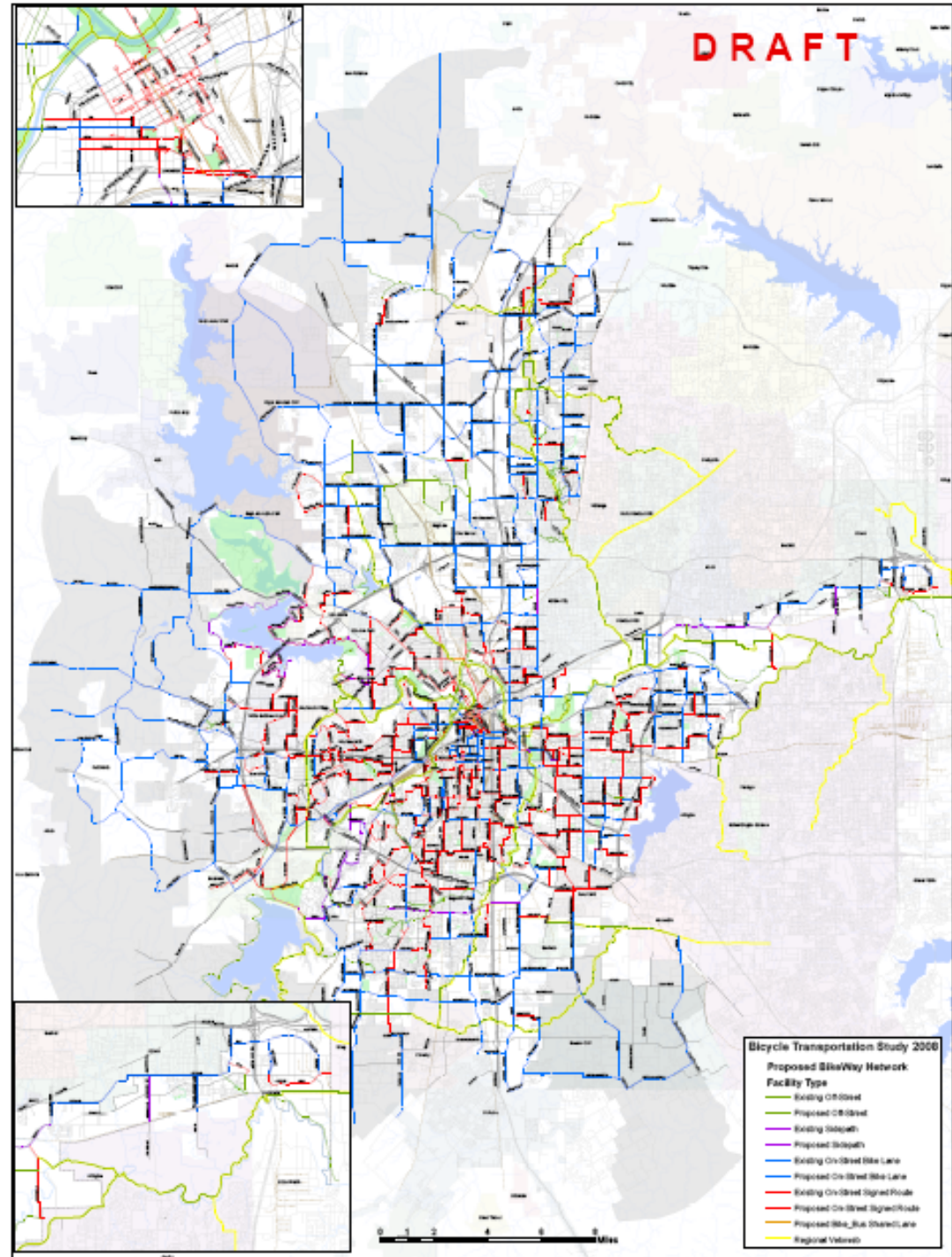
Draft Bikeways Map

Existing Facilities

Facility Type	Miles
Bike Route	39.6
Bicycle Lane	7.5
Off-street Path	58.4
Sidepath	3.9
TOTAL	109.4

Recommended Facilities

Facility Type	City	ETJ	Total
Bike Route	221.1	3	224.1
Bus/Bike Lane	1.75	0	1.75
Bicycle Lane	369.3	109.6	478.9
Total On-Street	592.15	112.6	704.75
Off-street Path	120	33.3	153.3
Sidepath	43.1	0	43.1
Total Off-Street	163.1	33.3	196.4
TOTAL	755.25	145.9	901.15



Proposed Bikeways System Summary and Planning-Level Capital* Cost Projection

Recommended Facilities – Within City Limits – 2008 Dollars

Facility Type	Miles	Cost/Mile	Cost
Signed/Marked bike routes	221.1	\$5,700	\$1,260,270
Signed bus/bike lanes	1.75	\$2,300	\$4,025
Bicycle Lane	295.5	\$13,600	\$4,018,800
Lane w/Road Diet	36.9	\$60,000	\$2,214,000
Lane w/Widening	36.9	\$250,000	\$9,225,000
Total On-Street	592.15		\$16,722,095
Off-street Path	120	\$660,000	\$79,200,000
Sidepath	43.1	\$400,000	\$17,240,000
Total Off-Street	163.1		\$96,440,000
GRAND TOTAL	755.25		\$113,162,095

* Maintenance costs not included

Draft Policy and Program Recommendations

- Educational/Enforcement/Safety/Promotional **Bicycle Programs**
 - **Safe Routes to School**
 - **Share the Road** educational campaign on motorist/bicyclist interaction and other safe riding campaigns
 - Publish **new bike map**
 - **Community events:** Bike to Work Day, Clean Air Bike Rally, Sunday Parkways, etc.
- Changes to street design **standards**, subdivision standards, development review
- Policy on accommodating bicyclists and other travel modes in street planning, design and construction (**Complete Streets**)



Draft Policy and Program Recommendations

- **City facilities and large businesses:** Implement incentives and/or requirements for shower/change facilities, bike parking and storage
- **Bicycle Parking:**
 - Adopt bike parking requirements for new and remodeled commercial, office, industrial and multi-family development
 - Implement significant bike rack installation program
 - Preferred bike rack designs, placement and number
- Downtown Bicycle **Commuter Station**
- Bicycle facility **maintenance** program
- **Enforcement and outreach** programs
- Bicycling **count** program
- Bicycle-related **crash data/reporting** program

Next Steps

- **Revise plan** based on public input
- City Council **public hearing and adoption**
- Develop **implementation and financial strategy**
- **Implement** recommendations



- **QUESTIONS ?**
- **COMMENTS ?**

