Memorandum



DATE 20 September 2013

The Honorable Members of the Transportation and Trinity River Project Committee: Vonciel Jones Hill (Chair), Lee Kleinman (Vice Chair), Deputy Mayor Pro Tem Monica Alonzo, Mayor Pro Tem Tennell Atkins, Sandy Greyson, Sheffie Kadane

SUBJECT Dallas Complete Streets Design Manual

The committee will be briefed on the Dallas Complete Streets Design Manual on 24 September, 2013. A copy of the presentation is attached. The draft Dallas Complete Streets Design Manual has been developed over the last year and a half with extensive community input and technical review. This manual is intended as a policy guide and reference for street design standards. Please feel free to contact me at (214) 671-9195 should you have any questions.

Theresa O'Donnell

Interim Assistant City Manager

C: A.C. Gonzalez, Interim City Manager
Warren M. S. Ernst, Interim City Attorney
Judge Daniel F. Solis, Administrative Judge
Rosa A. Rios, City Secretary
Craig D. Kinton, City Auditor
Ryan S. Evans, Interim First Assistant City Manager
Jill A. Jordan, P. E., Assistant City Manager
Forest E. Turner, Assistant City Manager
Joey Zapata, Assistant City Manager
Charles M. Cato, Interim Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Frank Librio, Public Information Officer
Elsa Cantu, Assistant to the City Manager — Mayor and Council

Dallas Complete Streets Design Manual

Dallas Complete Streets Design Manual

Council Transportation and Trinity River Project Committee

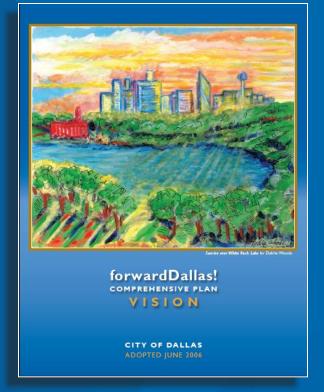
24 September 2013





Background

- 2006 ForwardDallas! recommendation: Develop a "context sensitive street design manual"
- 2011-2012 Council Strategic Action Plan objective: "Bring a citywide complete street vision to reality"
- 2011 Transportation and Community and System Preservation (TCSP) grant awarded to Dallas
- 2011 -2013 Community
 engagement, pilot and
 demonstration projects, and drafting
 of design manual





Community Workshops

Eight interactive workshops held July through December, 2011



Visual Essay Contest



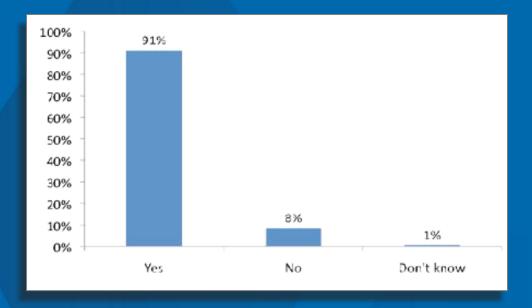


 Students, amateurs and professionals were engaged in proposing creative ideas for better streets

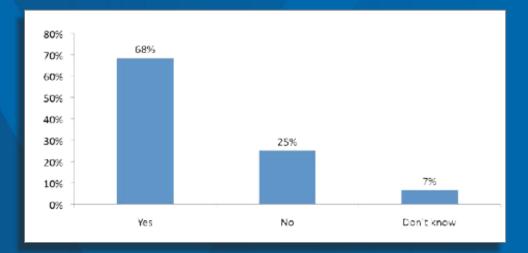


Public Opinion Sample Survey

Do you want your elected officials to work towards more sustainable communities?



Do you feel that kids walking or biking to school, and adults walking or biking to shop and eat would be better for the Dallas economy?





Pilot Projects

The City has been gaining experience from implementing pilot complete street projects





Dallas Complete Streets Design Manual

COMPLETE STREETS ARE NOT ALL THE SAME









Dallas Complete Streets Design Manual

MAKING COMPLETE STREETS A REALITY



A New Way of Designing Streets

- Start with a vision
 - Planning Vision
 - Organizational Vision
- Policies to guide change
 - Implementation procedures: working with established processes
 - Design guidance
 - Process and guidelines for addressing trade-offs



Manual Chapters

- 1. How To Use The Manual
- 2. The Dallas Complete Streets Vision
- 3. Complete Streets Policy Framework
- 4. Pedestrian Zone Design Elements
- 5. Street Zone Design Elements
- 6. Intersection Design Elements
- 7. Green Streets

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AT GOT THE AT THE STOCK TO SEE	Federal and State Design Manuals
Introduction 3	Chapter 2 - The Dallas Complete Streets Vision
Datlas Complete Streets Goals and Objectives	Complete Streets Contest and Development Policy Classifying Complete Streets Maxed-Use Streets Commercial Streets Residential Streets Industrial Streets Industrial Streets Patkways Dallas Complete Streets Vision Maps Joint the Use of Mary Deserver
Complete Streets Tools Summarized	Chapter 3- Complete Streets Policy Framework
Complete Steet Valors Maps	General Complete Streets Valory Guidance Intersection Zone Polity Guidance The Pedestrian Zone Deffred. Pedestrian Zone Deffred. Pedestrian Zone Deffred. Street Zone Deffred. Street Zone Deffred. Street Zone Polity Guidance Trade-offs in Limited Right-of-Way. Street Elements Widths. Complete Streets Design Elements Design Element Widths. Complete Streets Design Elements Design Element Pilotities Chart Incorporating Bicycle and Inanti-Facility Network Within Street Cross Sections For Various Street Types and Rights Of-Way Springles Mixed Use Street Examples Commercial Street Examples Residential Street Examples Industrial Street Examples Palsway Examples Palsway Examples

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AUGUST TOTS DALLAS COMPLETE STREETS DESIGN MANUAL | |



Design Guidance



Pedestrian zone and street zone design elements



Intersection design elements



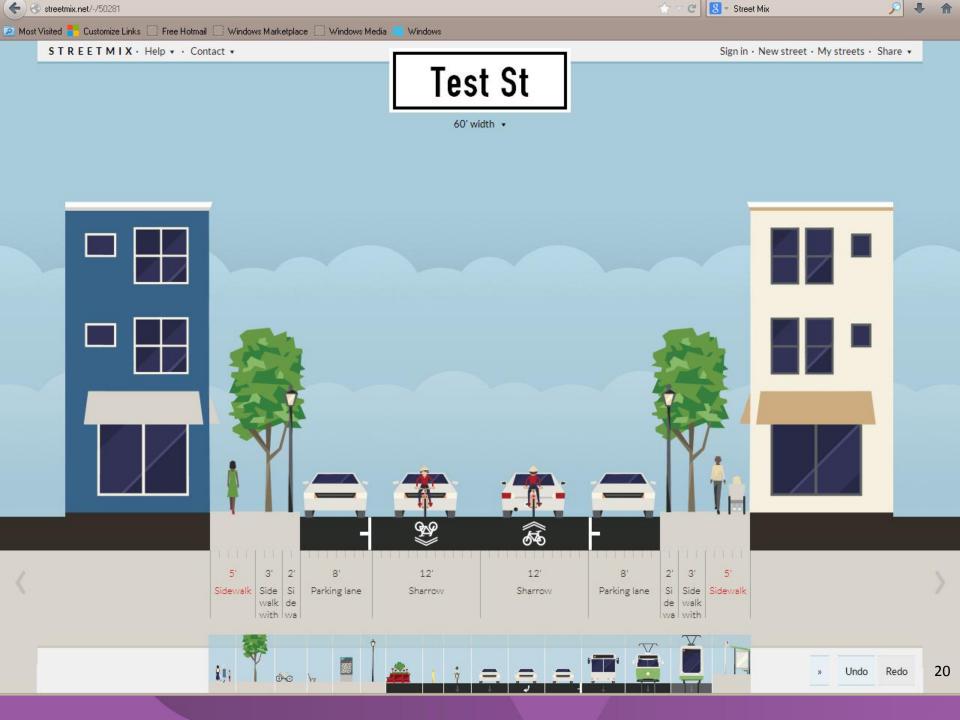
Green street design elements



Assessing Trade-Offs

DESIGN ELEMENT PRIORITIES CHART

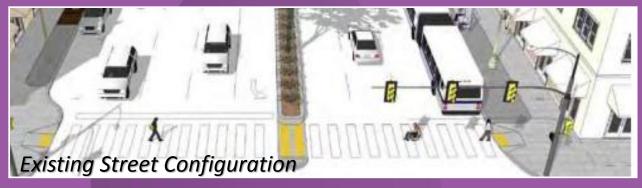
	Pe	dest	rian	Zor	ne												Stre	et 2	Zon	9							Inte	erse	ctio	n Zo	ne				
Primary Consideration				Stre	eet F	urni	iture							Wayfinding		ling				Π	Γ				9Se	П						Tables		Γ	Т
Secondary Consideration Optional Consideration Not Desirable NR Not Relevant	Wide Sidewalks	Shared Use Paths	D D	Seating	Bicycle Parking Facilities	Bollards	Newspaper Racks	Recycling/Garbage Cans	Transit Stops	Limited Curb Cuts and Driveways	Plazas/PocketParks/Parklets	Sidewalk Cafes	Pedestrian Lighting	Information Kiosks	Pedestrian Signage	Bicycle Signage	Slip Streets	Couplets	Shared Streets (Woonerfs)4	Trees and Greenscape (Median)	On-street Parking	Road/Lane Diet ⁶	Chicanes	Midblock Pedestrian Crossings	Special Pavement Treatment/Speed Tables	Street Lighting	Multimodal Intersection Design	Curb Extensions/Bulbouts	Modem Roundabouts	Traffic Circles	Crossing Islands ²	Special Pavement Treatment/Speed Tab	Special Pedestrian Signals	Special Bicycle Treatments ³	Special Transit Treatments
Contextual Street Type	Ove	lays																																	
Mixed-Use Streets																																		<u> </u>	
Commercial Streets																																			
Residential Streets																																			
Industrial Streets																																			
Parkways																																			
Bike and Transit Networ	k Ov	erla	ys.																													1	9		
Bike Network Overlay									N/R																							1			N/I
Transit Network Overlay ¹		N/R														N/R																		N/R	



The Grand Boulevard

Case Study in Assessing Trade-offs

- Six (6) travel lanes
- Bus Rapid Transit
 [BRT] in mixed flow lanes
- On-street parking
- BRT in dedicated lanes
- Four (4) travel lanes
- On-street parking
- Shared bicycle lanes
- BRT in dedicated lanes
- Four (4) travel lanes
- No on-street parking
- Bicycle lanes

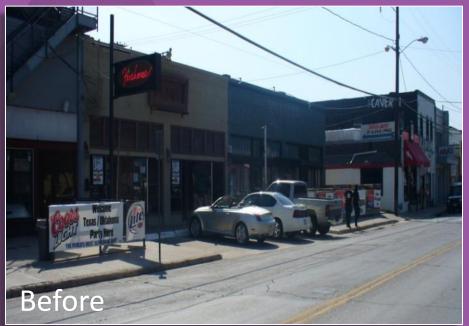


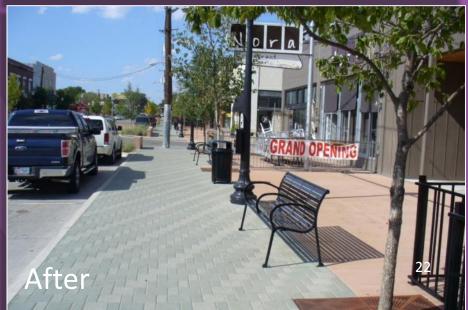




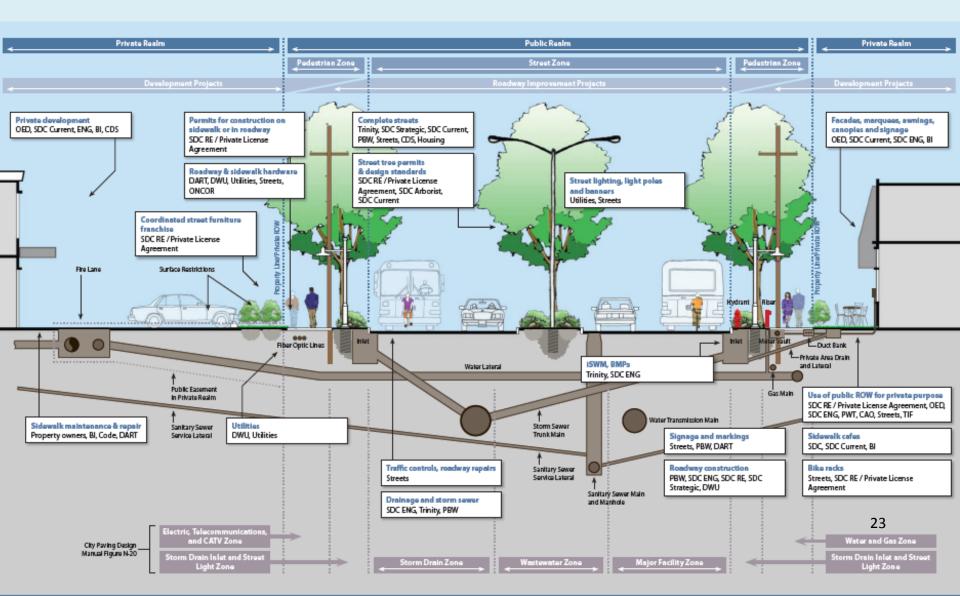
Greenville Avenue Example

- Trade-Offs
 - Indented parallel parking replaced angled parking to allow more space for outdoor patios
 - Reduced traffic lanes enabled wider sidewalks and street furniture





Complete Street Implementation

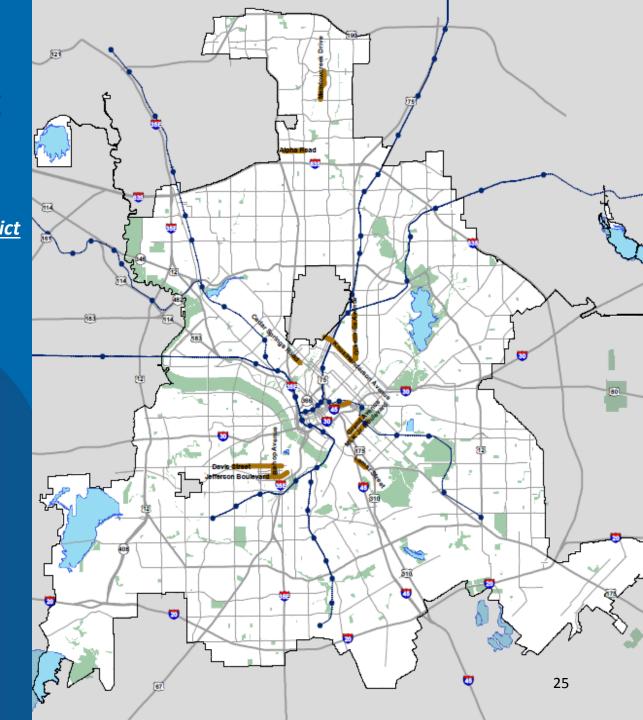


Implementation Opportunities Public Projects

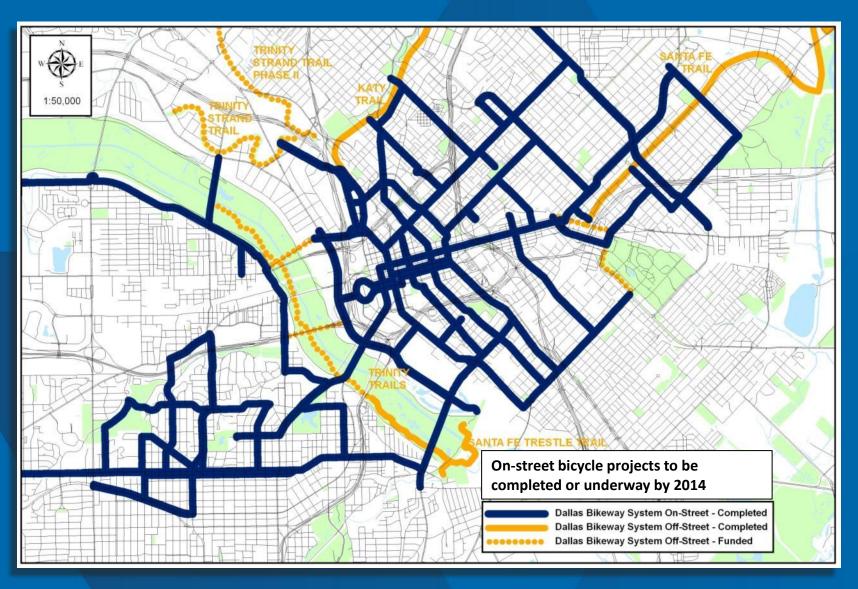
- ☐ Different types of public projects present different opportunities and challenges :
 - Street Reconstruction or New Construction Projects
 - Street Resurfacing or Restriping Projects

Bond Program Complete Street Projects

<u>Project</u>	<u>Distri</u>
Bishop Avenue	1
Cedar Springs	14
Davis Street	1
Grand Avenue	7
Greenville	14
Henderson Avenue	2
Jefferson	1
Knox Street	14
Lamar Street	7
Main Street	2
Meadowcreek Drive	12
MLK Boulevard	7
Alpha Road	11



On-Street Bikeway Implementation



Operation And Maintenance

- ☐ Complete Streets will introduce new operation and maintenance considerations:
 - Need for maintenance of enhanced pedestrian, bicycle facilities and landscaping
 - Need for creative solutions through public-private partnerships
 - Need for testing, monitoring and evaluation through ongoing pilot projects

Implementation Opportunities

Private Development Projects

Opportunity for incremental improvements along street frontages

Code amendments will be necessary to facilitate more widespread implementation through private

development

Zoning and subdivision regulations

Regulations for use of City right-of-way



Implementation Strategies

- > Adopt the Complete Streets Design Manual by Council resolution
- Task a staff team with leadership, resources and responsibility for Complete Street policy implementation across departments
- Enhance inter-departmental coordination on street improvement projects
- Implement Thoroughfare Plan amendments
- Amend related policies and regulations for consistency and linkage to the Complete Streets manual
- Explore alternative funding mechanisms for Complete Streets capital, operation and maintenance costs
- > Expand Dallas' current offering of neighborhood-initiated street improvement programs to incorporate new design options and considerations
- Initiate a monitoring & evaluation program to assess effectiveness of complete street improvements

Dallas Complete Streets Design Manual

Discussion

Council Transportation and Trinity River Project Committee

24 September 2013



Dallas Complete Streets Design Manual

APPENDIX

Dallas Complete Streets Design Ivianual

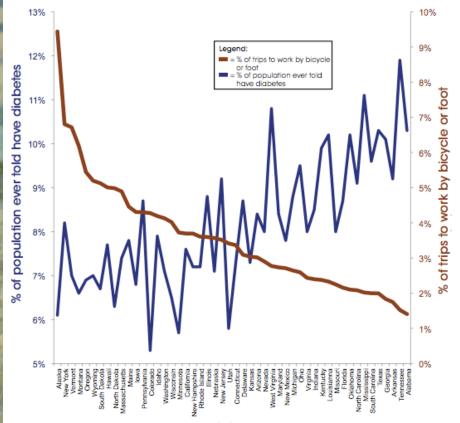
FIVE REASONS WHY THE CITY OF DALLAS
SHOULD ADOPT A COMPLETE STREETS POLICY

Benefits the Elderly, Disabled and Children



Benefits Long Term Health



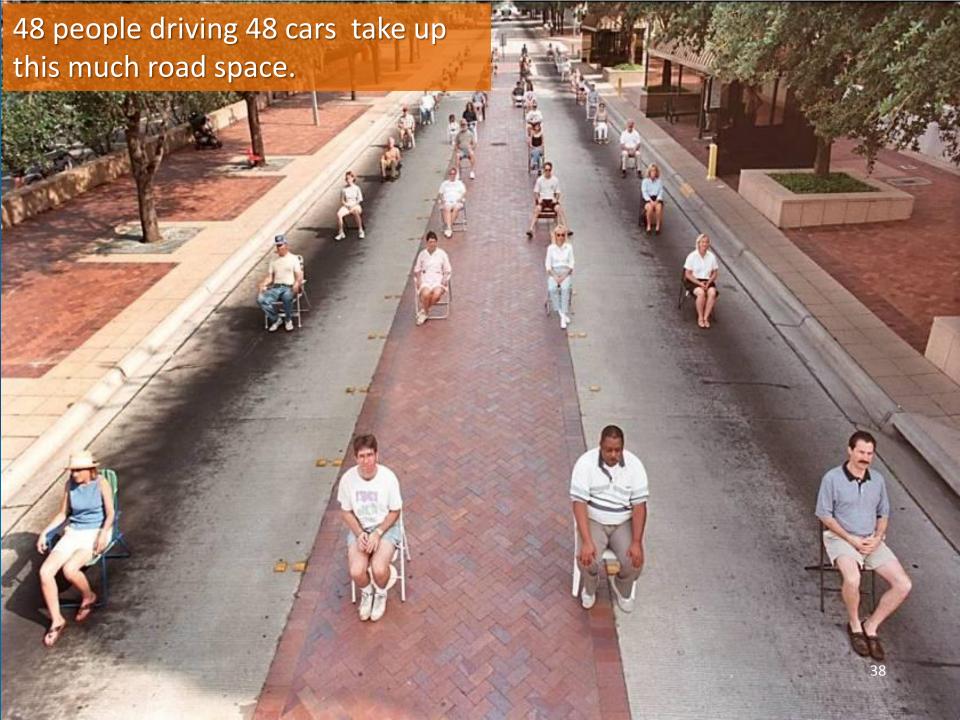


2 States with the lowest levels of biking and walking have, on average, the highest rates of obesity and diabetes. Complete streets promote a healthy lifestyle.













The Other Reason....

A traditional economic development tool

- Serves as a catalyst for private development
- Helps create places where people want to be
- Adds value to neighborhoods
- Promotes community support for projects









Complete Streets as an Economic Development Catalyst

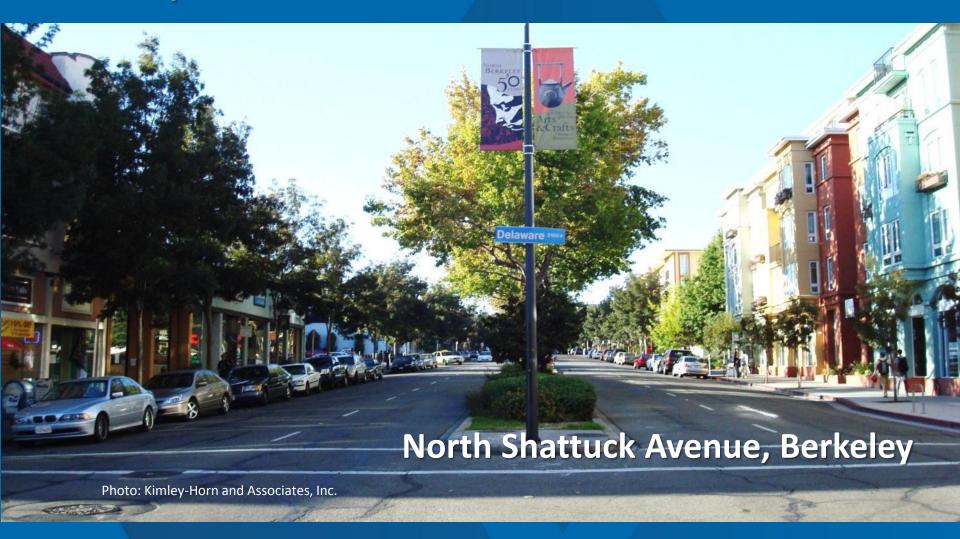
Washington, DC
Barracks Row/8th Street SE

- Public street investment: \$8 million
- Results:
 - Private investment over two(2) years: \$8 million
 - Thirty two (32) new businesses and \$80,000 in annual sales tax
 - Increased property values



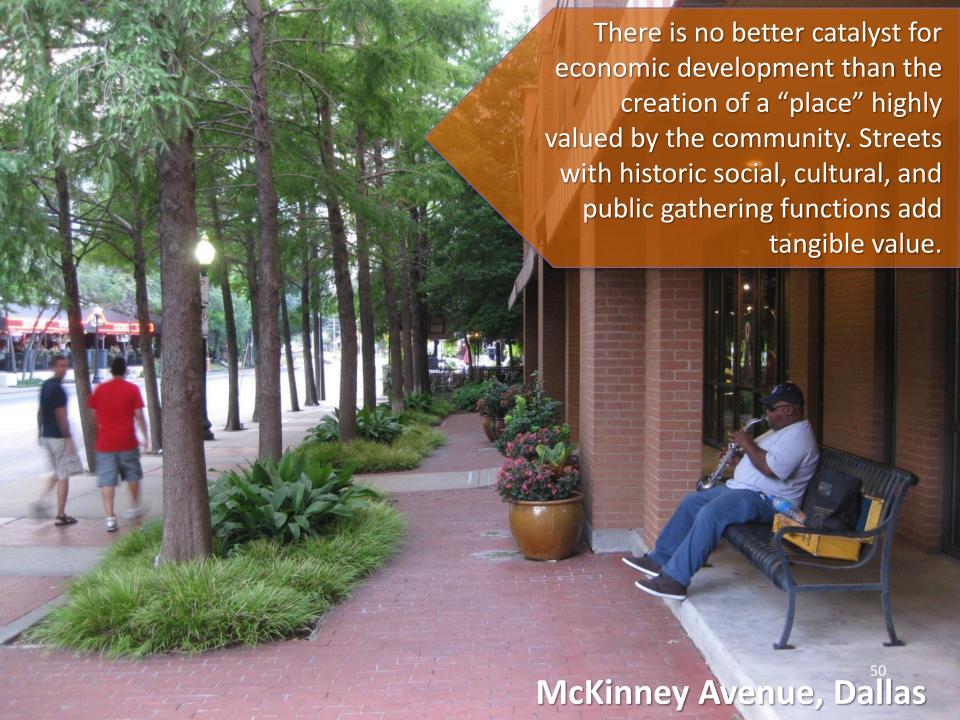


Revitalizing Corridors with Complete Streets











COMPLETE STREETS ARE NOT ALL THE SAME











Residential Street (minor) Clay Academy Boulevard, Capella Park





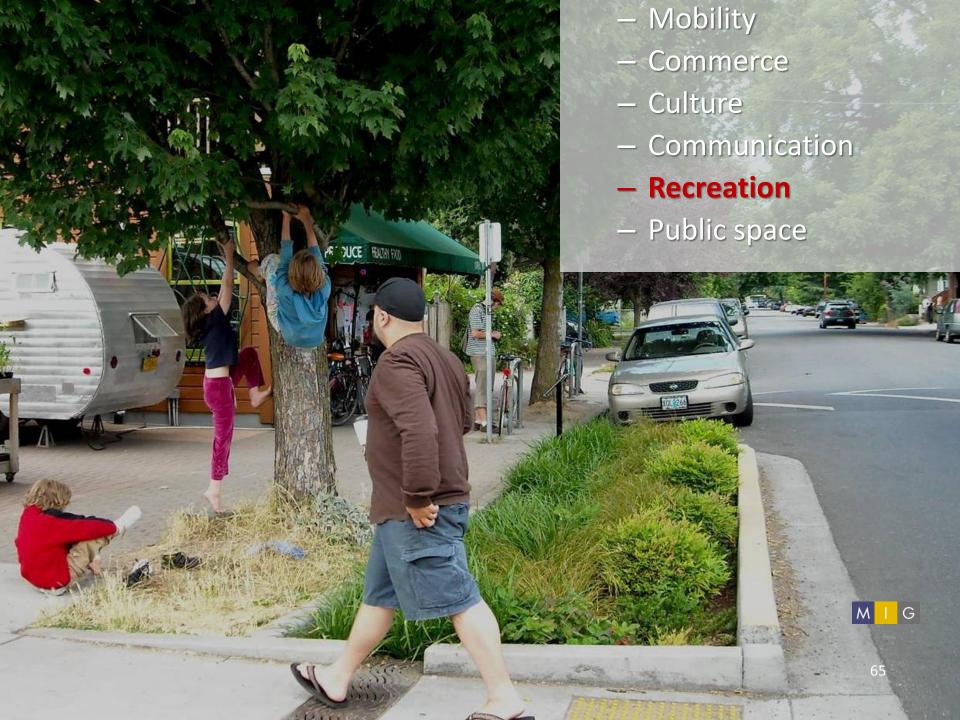


Dallas Complete Streets Design Manual

MULTIPURPOSE STREETS: BLENDING THE HISTORIC AND THE MODERN













WHAT ARE THE TOP THREE UNDERVALUED STREET ASSETS?

- On-street parking
- Sidewalk buffer zone
- Alleys













