RIO GRANDE BOULEVARD CORRIDOR MASTER PLAN

Dover, Kohl & Partners

tonight's agenda

- introductions
- the schedule this week
- food for thought

welcome

Dover, Kohl & Partners town planning

Hall Planning & Engineering transportation planning

Wilson & Company traffic analysis

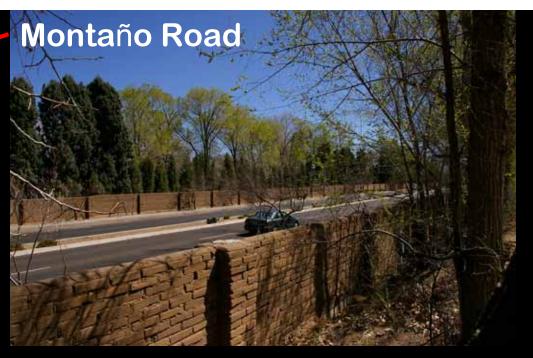
tonight's agenda

- introductions
- the schedule this week
- food for thought

why we are here







Rio Grande Blvd (yellow) 3miles



Rio Grande Boulevard

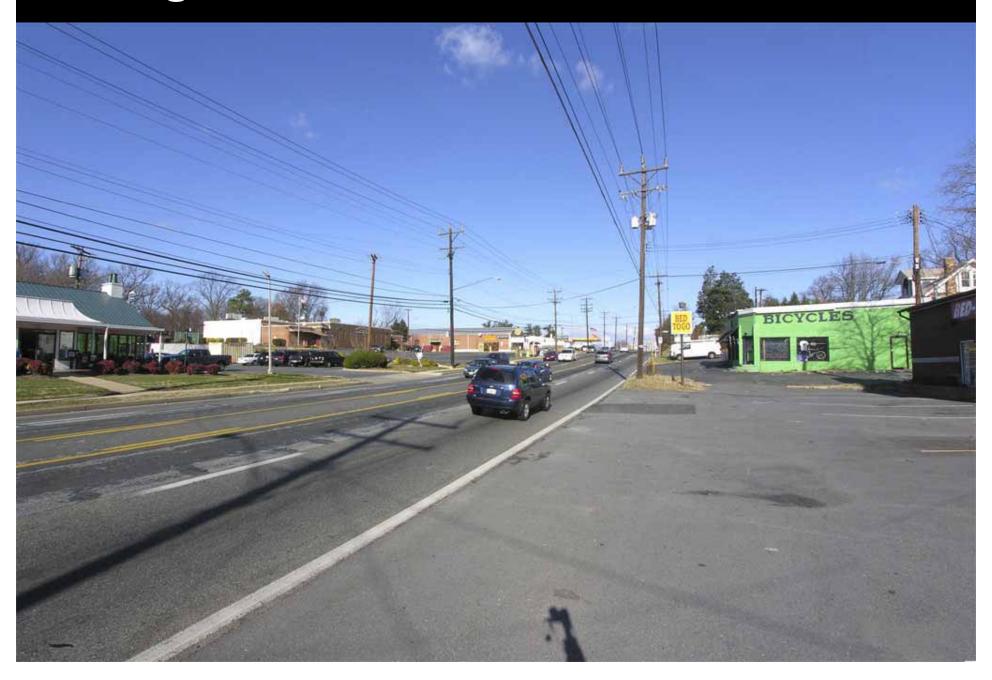








looking to the future



looking to the future



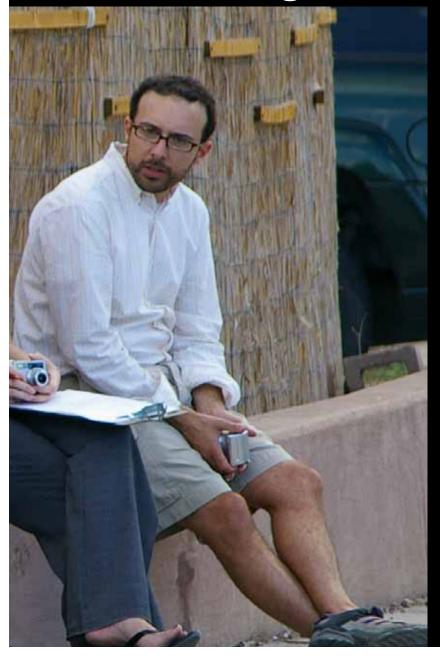
how this plan will be created

barn-raising: neighbors help each other





Justin Falango





Amy Groves

Andrew Georgiadis

Pam Stacy





Kenneth Garcia

Rick Hall





Tracy Hegler



Kick-Off Presentation

Friday July 9 6:00pm Gymnasium - Los Duranes Community Center

2

Hands-On Design Session

Saturday July 10 9:00am – noon Gymnasium - Los Duranes Community Center

3

Open House

Monday July 12 11:30pm – 1:00pm Game Room – Los Duranes Community Center

4

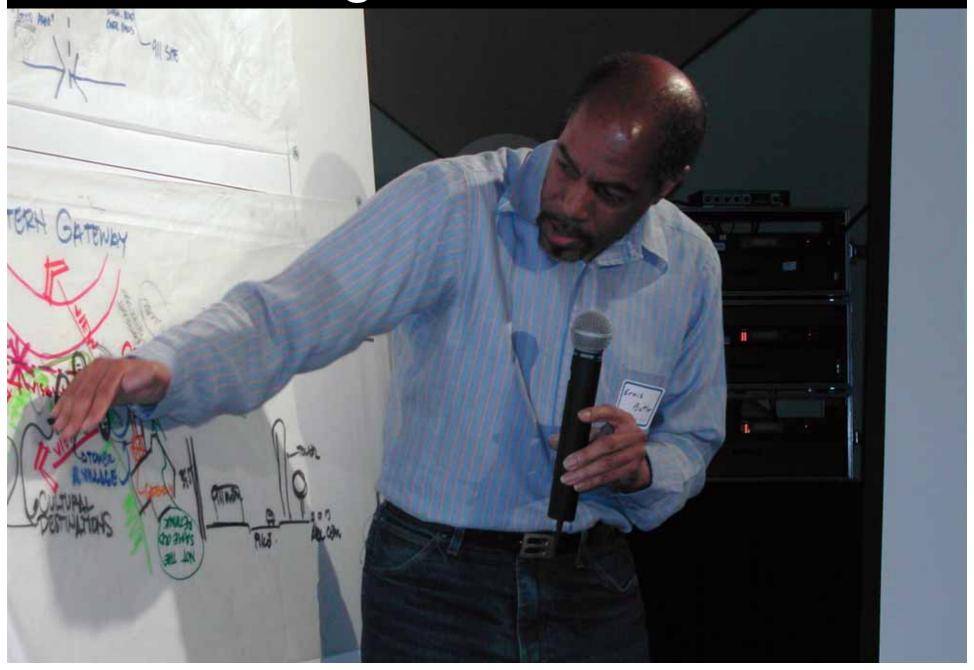
Work-in-Progress Presentation

Wednesday July 14 6:00pm Gymnasium – Los Duranes Community Center

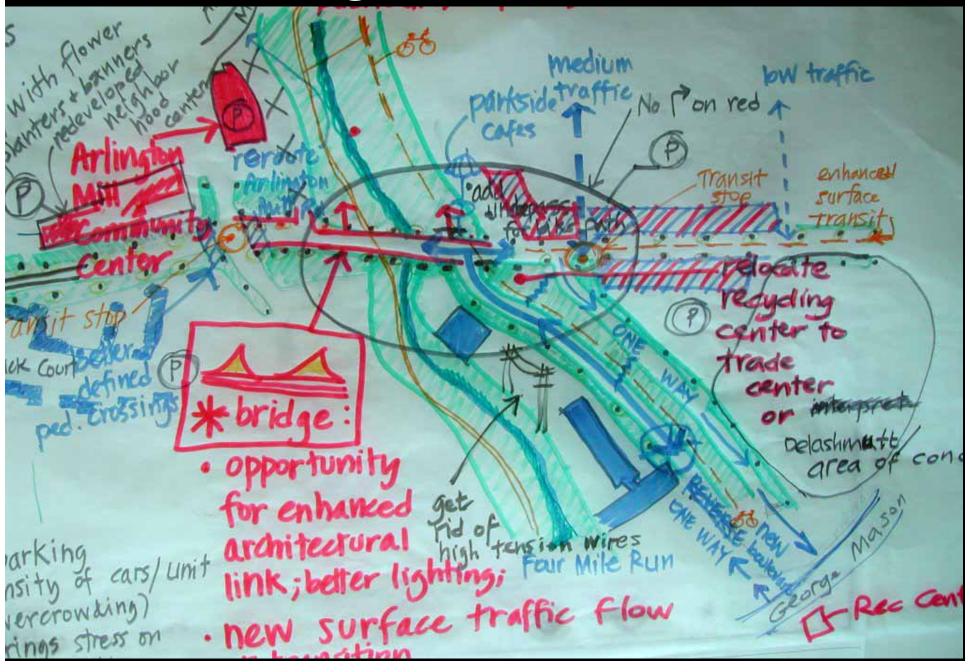
hands-on design session



hands-on design session



hands-on design session



open design studio & open house



open design studio





visualizing change & design



Spring Hill, Mobile, Alabama - today

visualizing change & design

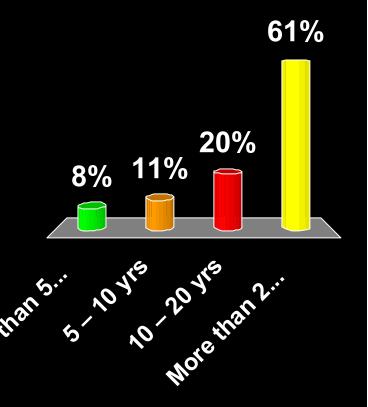


Spring Hill, Mobile, Alabama - tomorrow

quick poll

How long have you lived/worked in Albuquerque?

- 1. Less than 5 yrs
- 2. 5-10 yrs
- 3. 10 20 yrs
- 4. More than 20 yrs



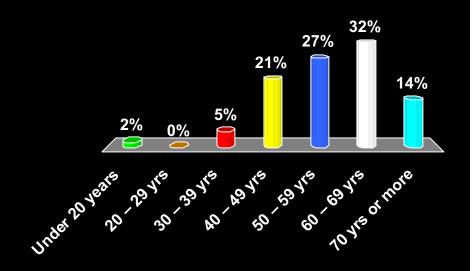
Do you live or work within a mile of Rio Grande Boulevard?

- 1. Live
- 2. Work
- 3. Both
- 4. Neither



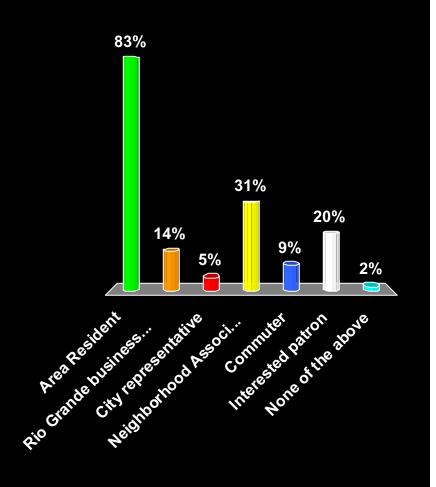
What is your age?

- 1. Under 20 years
- 2. 20 29 yrs
- 3. 30 39 yrs
- 4. 40 49 yrs
- 5. 50 59 yrs
- 6. 60 69 yrs
- 7. 70 yrs or more



What kind of stakeholder are you? (pick all that apply)

- 1. Area Resident
- 2. Rio Grande business owner
- 3. City representative
- 4. Neighborhood Association representative
- 5. Commuter
- 6. Interested patron
- 7. None of the above



getting to know the lay of the land







Looking at what make the corridor unique

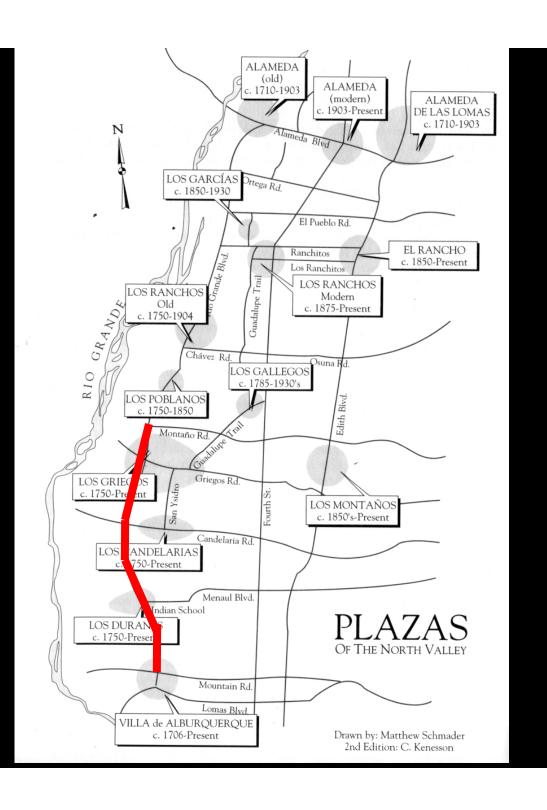


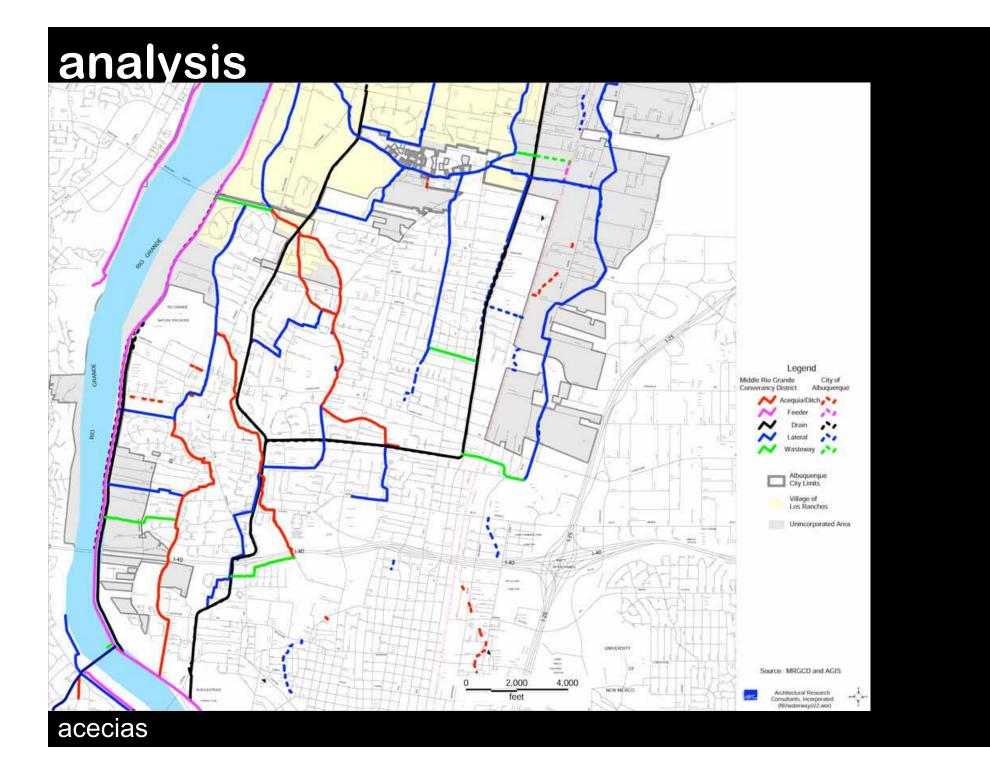


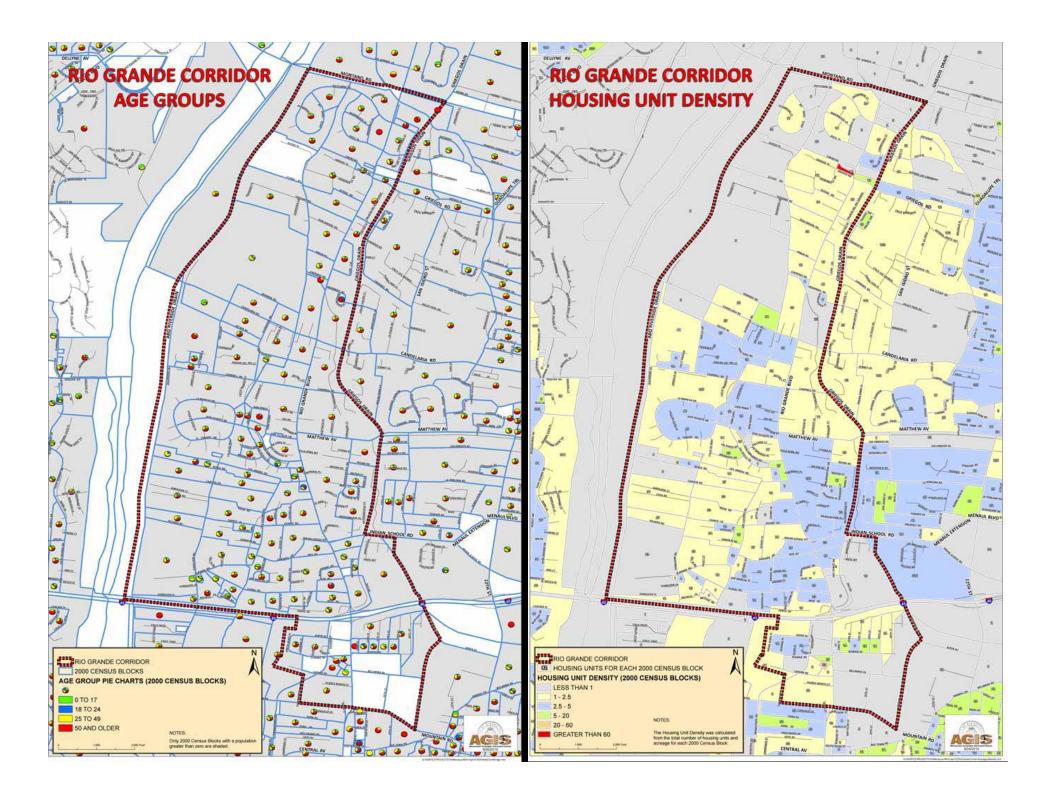
Montaño Road

Rio Grande Blvd (yellow) 3miles

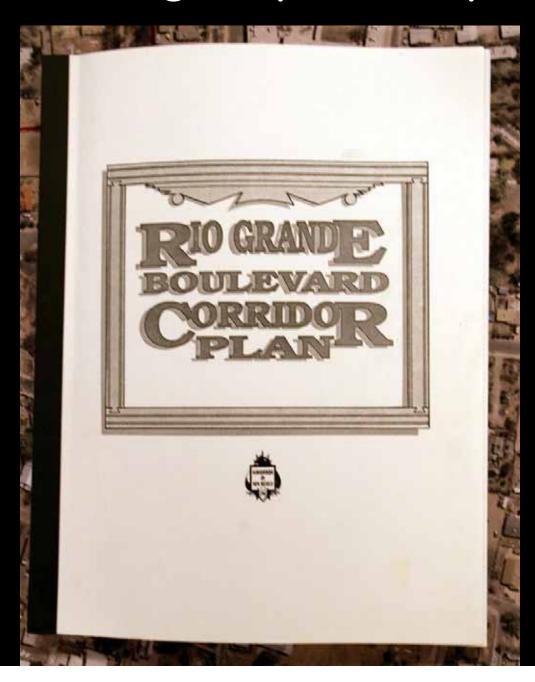
Mountain Road





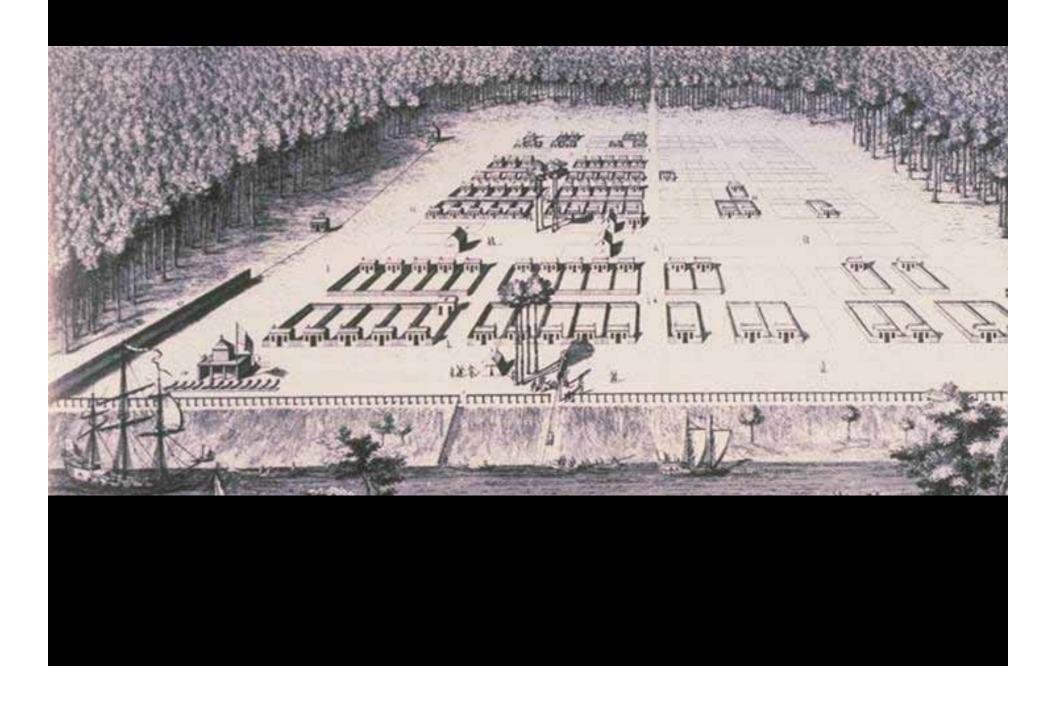


reviewing the previous plan



historic moment

American settlement tradition





Los Griegos



Los Griegos, 2010

Pedestrian friendly features



Shade, shelter, safety, interesting things to see

Pedestrian friendly building fronts



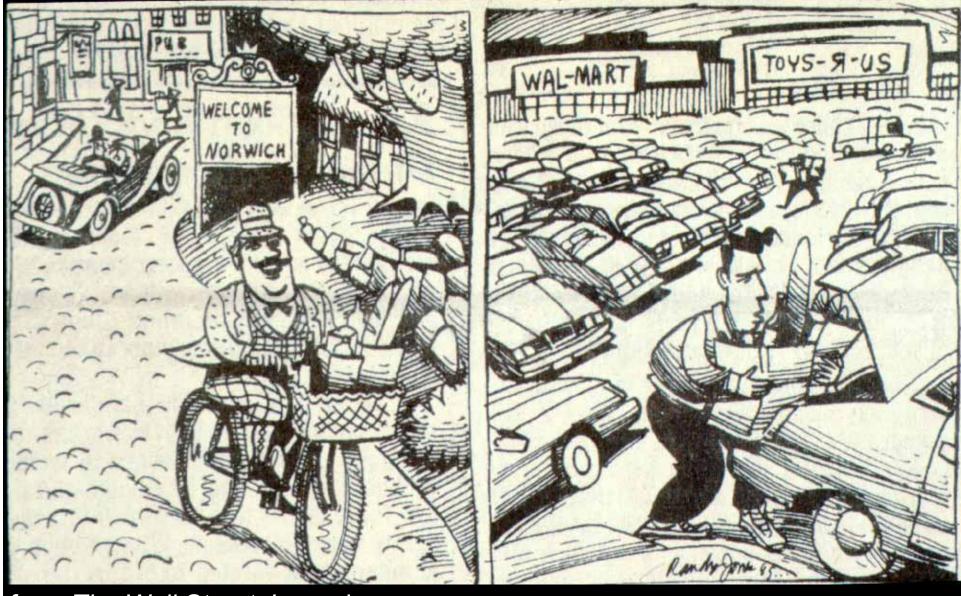
Colonnades and arcades

Pedestrian friendly building fronts



Doors and windows facing the street, on-street parking, wide sidewalks

the interest in livable communities



from The Wall Street Journal

Why walk?



One person walking is exercise. Millions of people walking is a step toward keeping healthcare affordable.

The illness and chronic disease resulting from inactive lifestyles cost as much as \$77 billion a year to treat. That's why Blue Cross and Blue Shield Plans across the nation are launching **WalkingWorks** SM, an unprecedented effort to work with employers to help Americans add physical activity to their daily routines. It's one of the many ways we're doing our part to control rising healthcare costs. For more information, visit our web site at www.bcbs.com.

Healthcare. Affordable. Now.

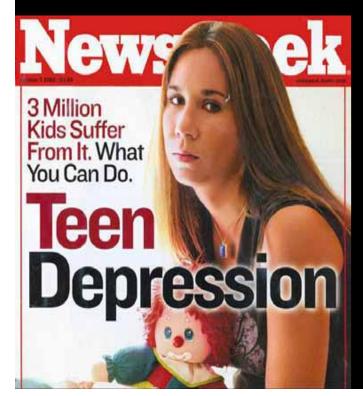


BlueCross BlueShield Association

An Association of Independent Blue Cross and Blue Shield Plans Why walk?











BY THE SEA: Seaside towns have a special lure for travelers. The picturesque sights, the tang in the air and the friendliness of the fishermen make a few days' visit seem like a full vacation.

the ten principles of smart growth

- Mix land uses
- Take advantage of compact building design
- Create a range of housing opportunities & choices
- Create walkable neighborhoods
- Foster distinctive, attractive communities with a strong sense of place
- Preserve open space, farmland, natural beauty, &critical environmental areas
- Strengthen & direct development towards existing communities
- Provide a variety of transportation choices
- Make development decisions predictable, fair, cost effective
- Encourage community / stakeholder collaboration in development decisions

a mix of uses



sidewalk dining, offices, shops, gym, municipal buildings, residential



new mixed uses



Mount Laurel, AL

density without design?



Fawn Creek Apartments

diversity by design





mixing housing types, by design



Dilworth, Charlotte NC

street width – lane width



Rio Grande Blvd at Indian School Road, looking north

street width



Rio Grande Blvd at Indian School Road, looking north

Roadway width



Aix-en-Provence

Public Works Officials Were Once Heroes

Street elements



Width, curb cuts, proximity to moving traffic, landscaping, bike lanes

landscaping



destinations / amenities



Overhead wires



transportation: expanding choices

to walk or not to walk, that is the question.

whether it is nobler...

why walk?

economy

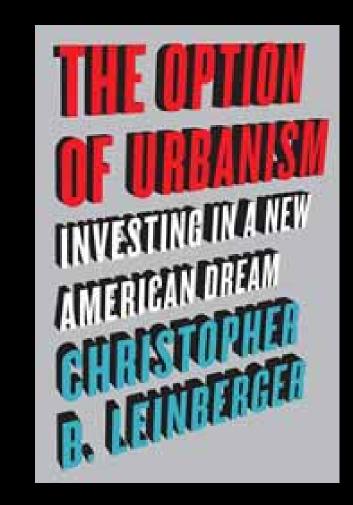
- development projects must sell
- Read Greyfields into Goldfields, CNU Lee Sobel
- TND property values \$\$, 40 to 200% premium

health

- CDC, obesity epidemic
- astounding highway fatality rate 45k/year
- safe walk to school

environment – climate

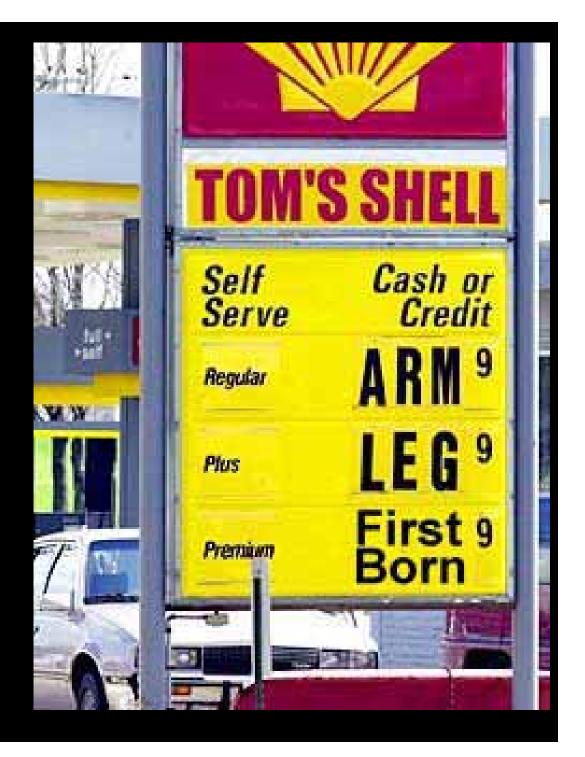
- it's a crisis
- IPCC UN Intergovernmental Panel on Climate Change
- Urban design influences VMT, thus a valid solution

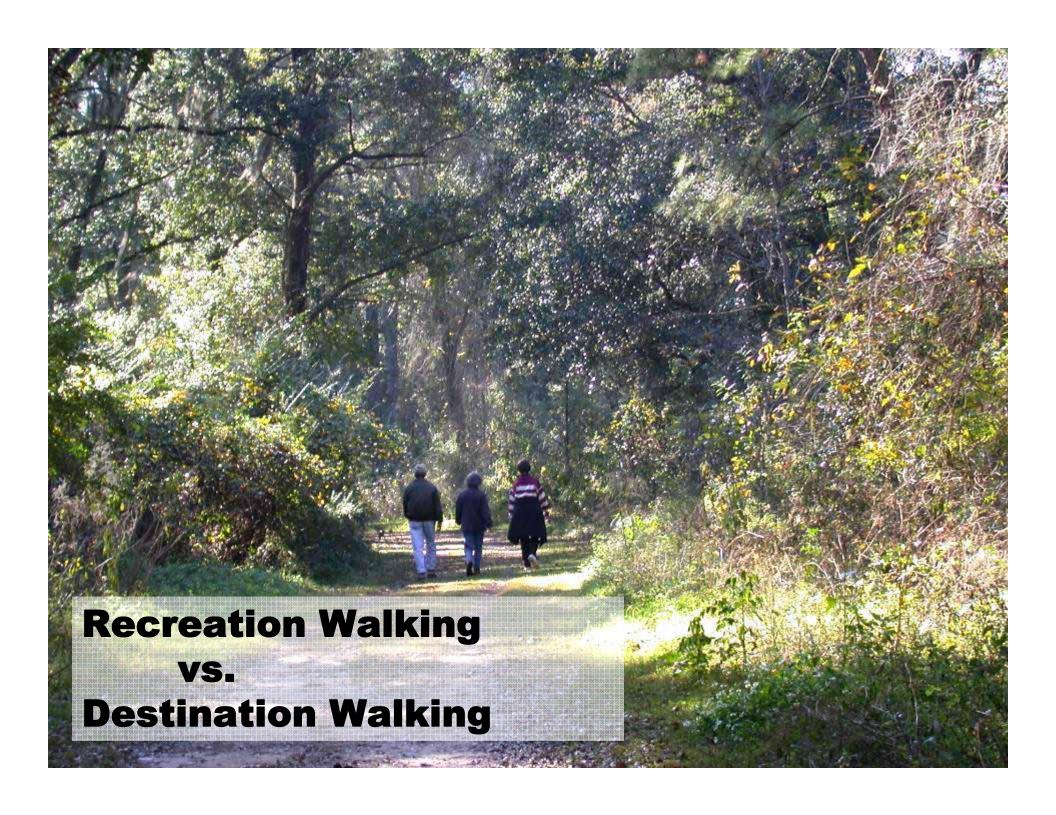




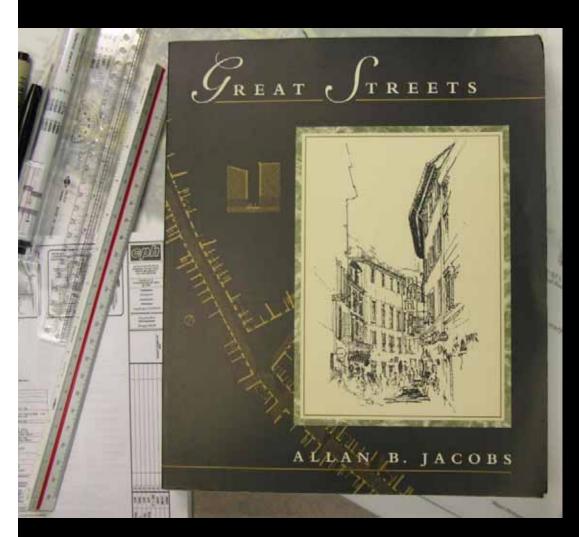


Choice in the matter?





principle 1. urban form first



LU1 – TR 2

plan urban structure & land uses <u>1st</u>

transportation 2nd

Chicken or egg?

top 10 walkability factors

- 10. Street Trees
- 9. Traffic Volumes
- 8. Sidewalks
- 7. Narrow Streets
- 6. Interconnected Streets

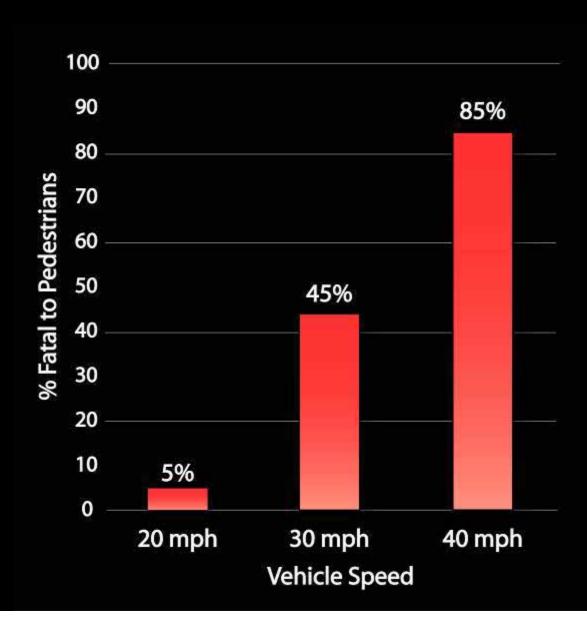
- 5. On Street Parking
- 4. Lower Traffic Speeds
- 3. Mixed Land Use
- 2. Buildings Fronting St.
- 1. Small Block Size!

Key West, FL

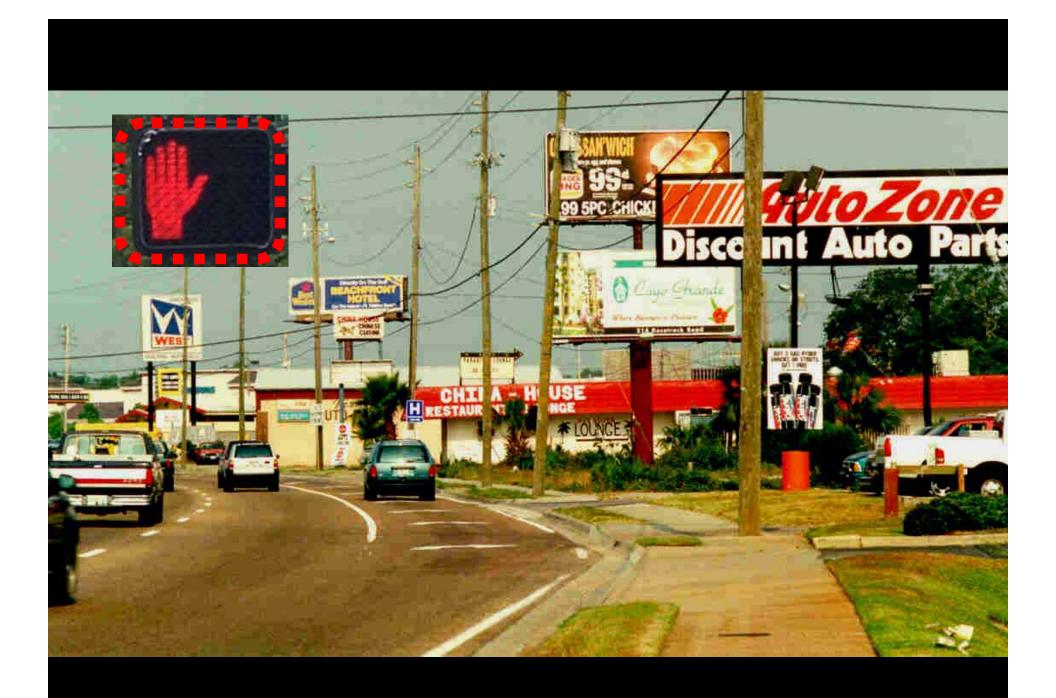


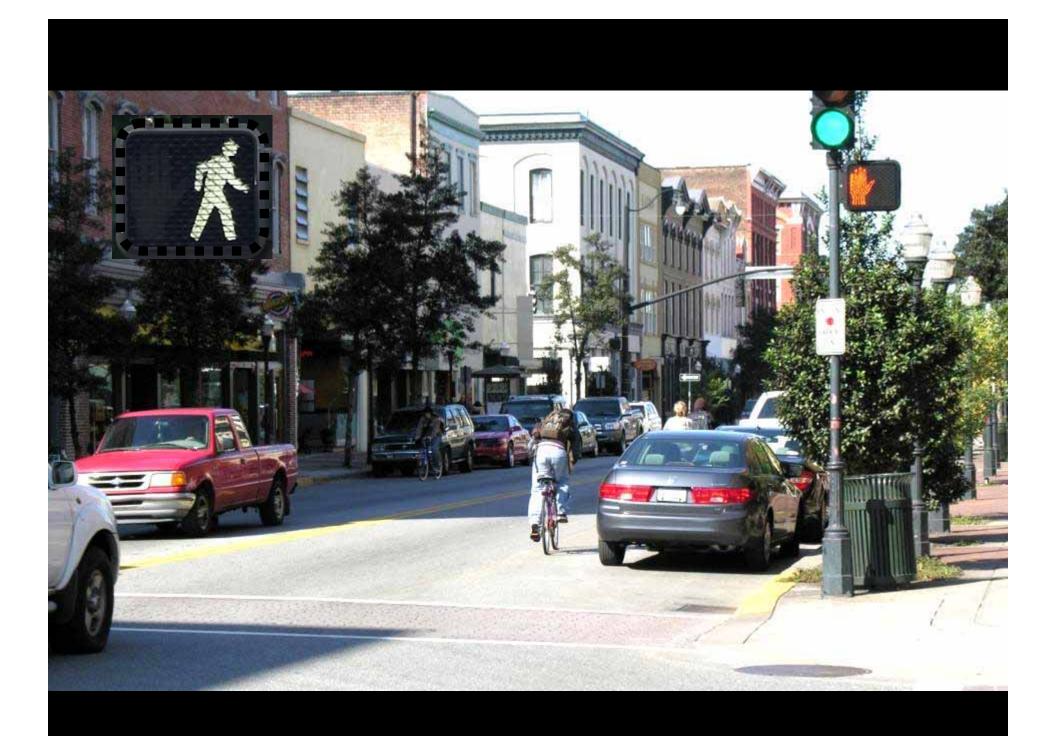
Avg. Free Flow Speed = 28 mph

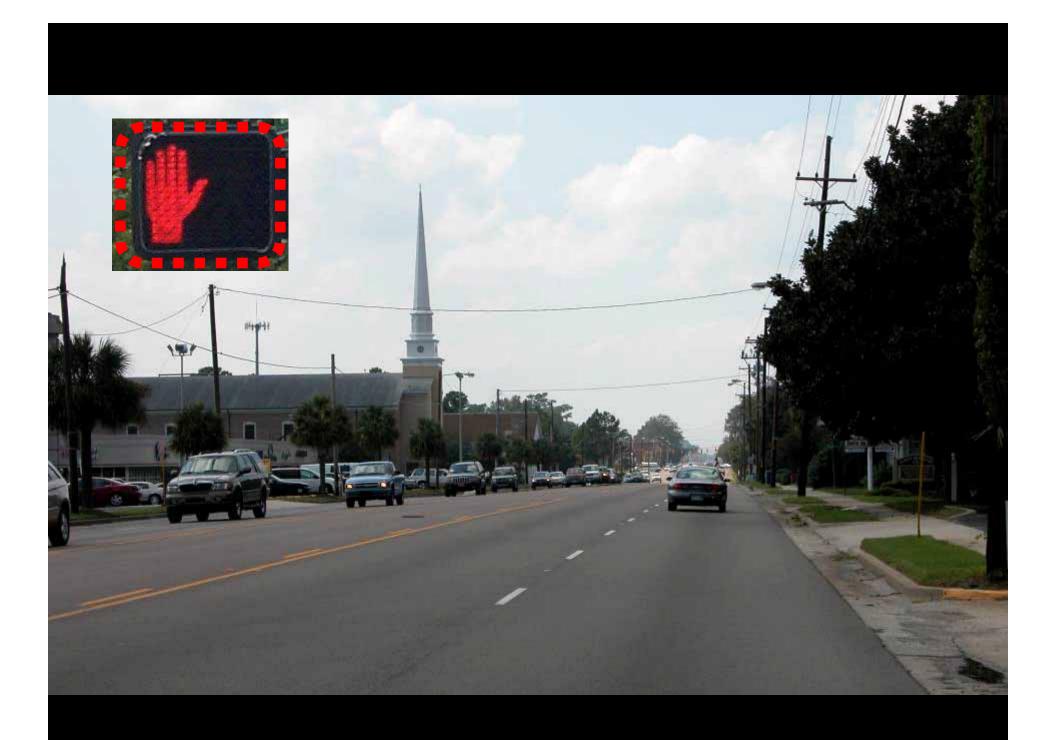
pedestrian fatalities & speed

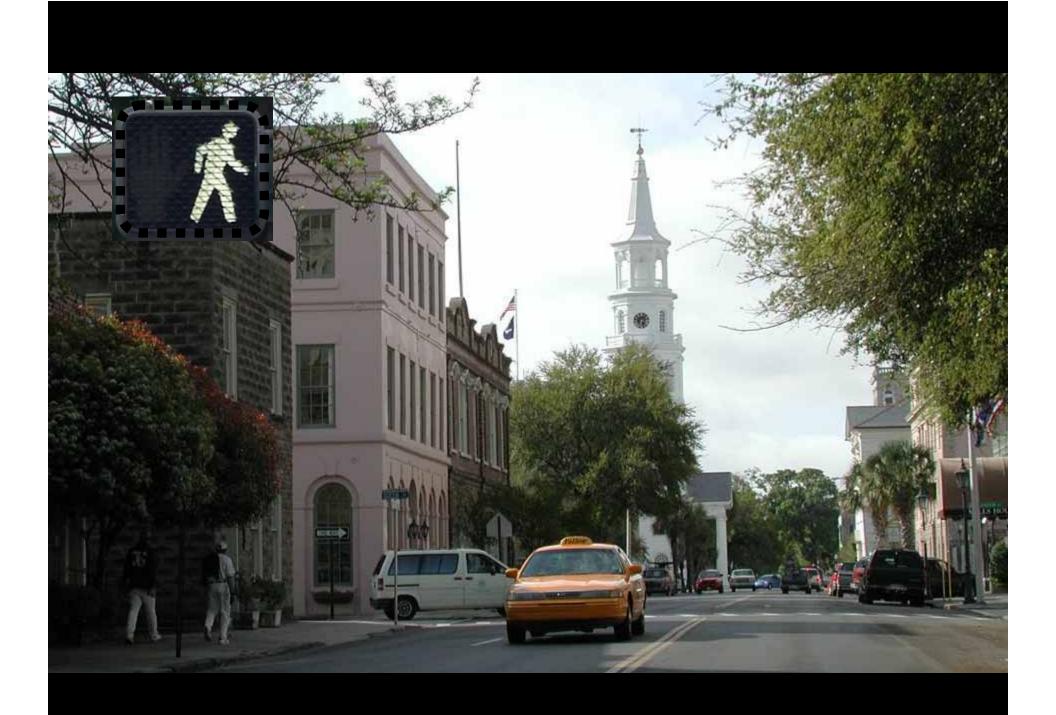


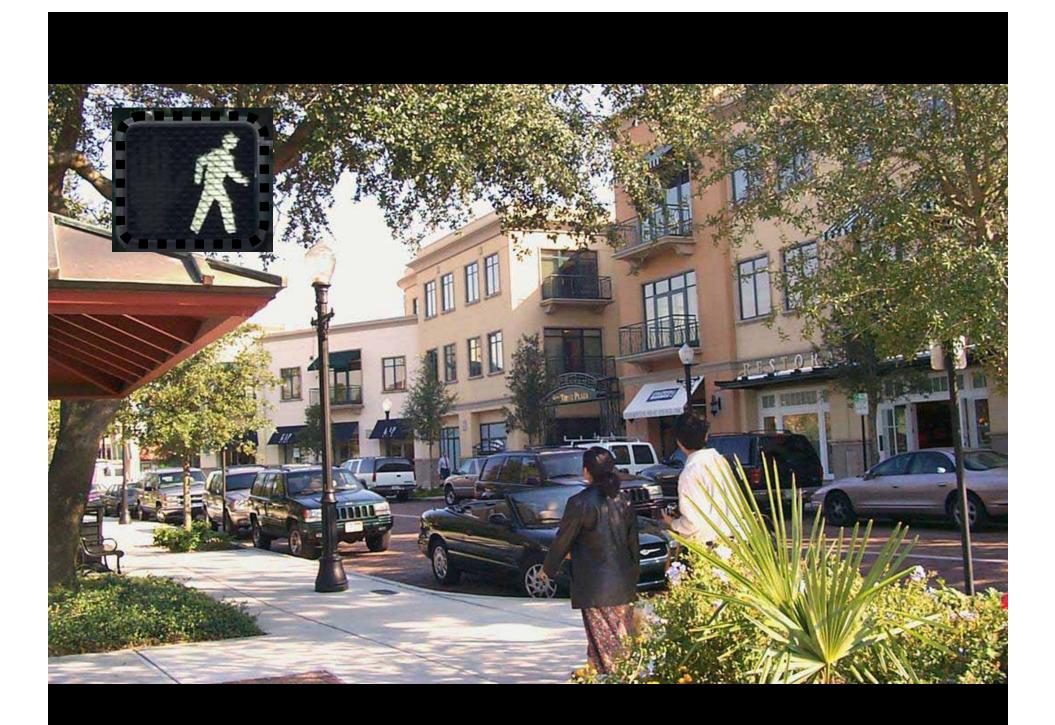












traffic circles and roundabouts



- o large (300' to 800')
- o fast 30 to 50 mph
- o scary
- o high speed merge
- o dangerous 6x more crashes

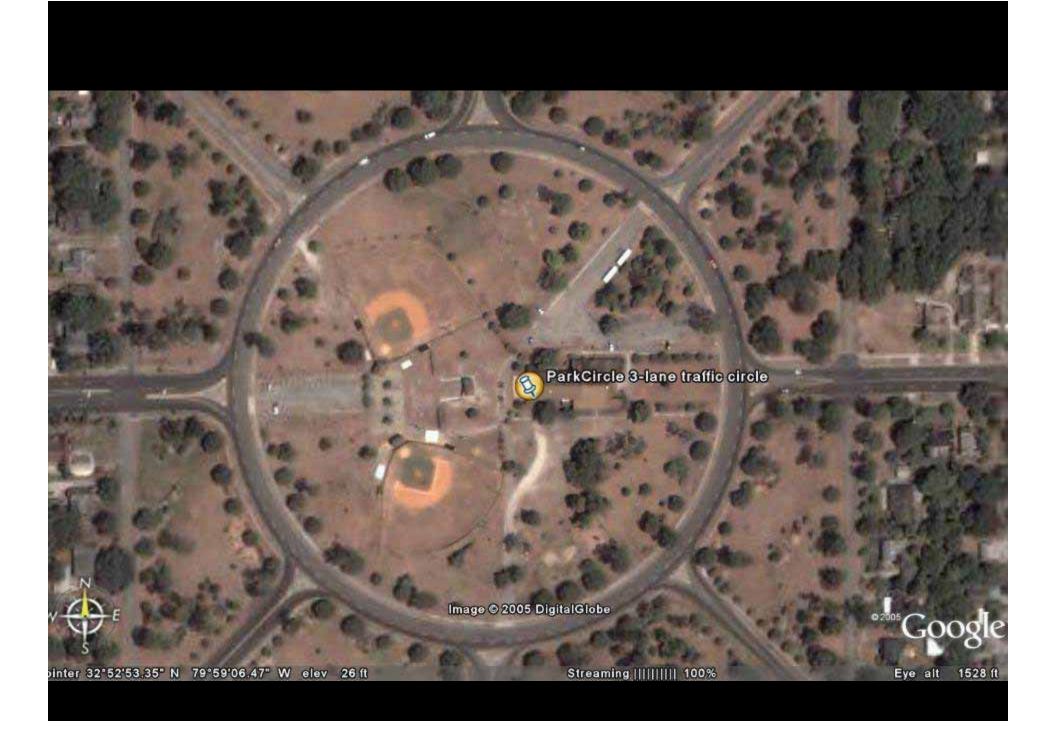


- o smaller < 180'
- o **slower 10 25 mph**
- o friendly
- o yield at entry
- o safer

not traffic circles!



high speed vs. low speed





roundabouts are safer because:

- low speeds allow drivers
 - to see
 - to stop

roundabout safety

decrease in crashes:

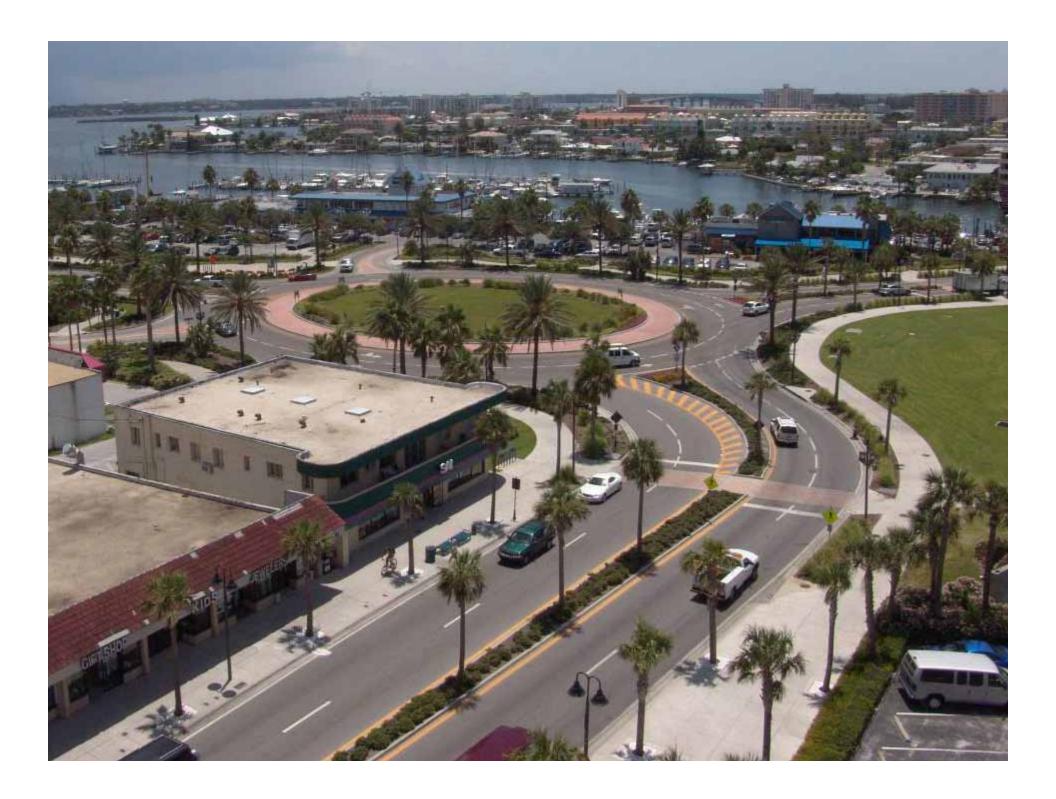
• overall: 39%

• injury-producing: 76%

fatal or incapacitating: 90%

"crash reductions following installation of (40) roundabouts in the united states"

insurance institute for highway safety, march 2000





Roundabouts - voters got one, then asked for more

University Place, WA

Bend, OR

Lenexa, KS

Clearwater, FL

Honolulu, HI

Modesto, CA

Gainesville, FL

- 9 roundabouts in about 9 years

- more than 12 roundabouts

- 10 roundabouts (8 are multi-lane)

- 9 built (15 more in design)

- 6 built (more on the way)

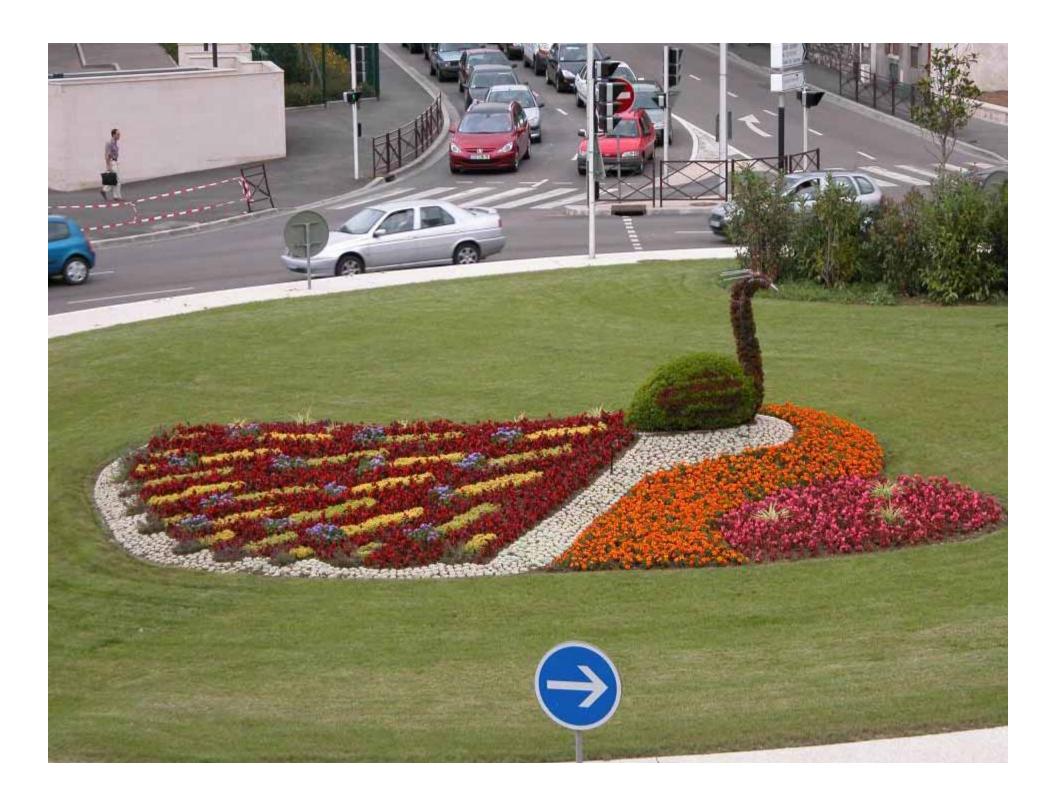
Lacey, WA - 6 multi-lane roundabouts

- 10 multi-lane roundabouts

- 12 built (15 more on the way)

Hundreds of cities have 2, 3 and 4 roundabouts and keep adding more





HPE's Walkability Index

	DAIA	SHEET:					
					Cross Street Name		
n Time: A.M. P.M. (Cittle One)					3		
pleted by:			5.5			3	
resenting						Street Name	
						3 " 8	
led Speed of Street/Road			r S		Cross Street Name		
nsect Zone (Circle One):	T3	14	TS	TG			
LKABILITY MEASUR	F -						
	Criterion			Value	Score Side A	Score Side B	Total Score
EET DESIGN (MAXIMUM		POINTS)			THE WILLIAM TO VENEZA OF THE PARTY.		
peak hour Free Flow Spe							
for this measure: If pos	sible, take	a minimum of		t possible, to 10	ske at least 3 samples	in 10 minutes]	
			£15 mph 20 mph	8			
			25 mph	8			
			30 mph	4			
			Over 30 mph	0	,	Segment Total	
ment Widthcurb face I	n inish form	- Martiner	on Crossina				
ment Width—curb face i e for this measure: Subtr							
			32 or less	10	1		
			33'-42'				
			43' to 54'	0 4			
			55' to 66' Over 66'	0			
			378 30	- 10	,	Segment Total	0
ence of Occupied On-Str	net Parkins	(Parallel or A	ngle Parking)				
			6 of Block Face	. 5	7		
			4 of Block Face	4			
			4 of Block Face 4 of Block Face	3 2			
			n-street parking	ő			
		(10)				Segment Total	0
EWALK DESIGN (MAXIMU	M SCORE	30 POINTS)				46	
rwalk Width: Sidewalk wi		be appropriate		conment (Sci	ore for appropriate tra	neect)	
T3	T4	75	T6			C11000	
>5' >4' to 5'	>6" >5" to 6"	>12" >8 to 12"	>20" >12" to 20"	5 3	_	-	0
>3' to 4'	14" to 5"	>5' to 6'	>8' to 12'	2		1	0
537	54	157	18"	0			ő
	364	- 27				Segment Total	ū
estrian Connectivity: Dist	ance betwe	een intersectio	ns or mid-block o	crossings			34
removed an extra particular			300' or less	5			0
			301' to 400"	4			0
			401' to 500' 501' to 600'	2	_	-	0
			Over 600	0		4 - 1 1 - 4-1 to 1	0
					,	Segment Total	0
ence and quality of pede	strian feats	res (good side	ewalk condition; f	ack of obsta	cles; ADA compliance	shade trees; street	furniture)
			High quality				0
			foderate quality	3		-	0
		Book marks	Low quality y or no features.	0	\vdash	-	0
		Foot quality	you do reasoned.		-	Segment Total	0
AN DESIGN (MAXIMUM S	CORE 10 F	POINTS					
et Enclosure: Ratio of bu			th [building face	to building t	ncel		
	2000		41.1	10	26 I		
			1:110<13				
			1.3 to 1.6	6			
			21.4		,		ő
Use Mix: Presence of d	Morant Land	d use types a	o, retail, entires w	d dripking -	stablishments, botele	and residential units	
re for appropriate transe		Hanny M.	P. Come and a	- annual a	- Committee (Indiana		-
	T4	75	76		9,00		71,5
	3+	4*	4+	5			0
	2	2	3 2	3 2			0
	NIA	1	7	0	J di	E Contractor	0
	0.00	17.7	2.5	22741	100	Segment Total	0
de Design: Presence of	façade arri	angements and	I designs that are	attractive to	pedestrians*	C. C. LOUTE AND	2012
Small units; many doors	(15-20 door	rs/block face); k	ots of character	5			0
Small units; many doors (10-14 doors/block face), many details: Mix of large & small units; (6-9 doors/block face), few details:							0
				3			0
Large units, little variation Large units, few or no do							0
						Segment Total	ő
on from Close Encounters Wil	th Buildings ;	Jen Gehl, Lotte J	ohensen Kaefer and	Salvejg Reigal	ad .	37.700000-300	
NSIT/BICYCLE FEATURE		M SCORE 10	POINTS)				
sit and/or Bicycle Featur	**		a commence de comme				
Presence of special bu	s/bioyde fea	dures (e.g. bus	shelters & bike lockers)	40		1	0
	Presence	of bus stone as	nd bicycle racks	10			0
							Ď.
	resence of	bus stops or bio	Typie racks only				

10 walkability index measures

- 1. off-peak free flow speed 6. pedestrian features
- 2. pavement width
- 3. on-street parking
- 4. sidewalk width
- 5. connectivity

- 7. street enclosure [w:h]
 - 8. land use mix
 - 9. façade design
 - 10. bus stops, bike features

ten points each for potential score of 100

walkability index grades

```
    90 - 100 points High Walkability (A)
```

70 - 89 points Very Walkable (B)

50 - 69 points Moderately Walkable (C)

30 - 49 points Basic Walkability (D)

20 - 29 points Minimal Walkability (E)

 19 points or less Uncomfortable/hazardous for Walking (F)

walkability index application

Broughton Street, Savannah

(6 Blocks from Montgomery Street to Abercorn Street)

94

"A" High Walkability

study area



Broughton Street – Lincoln St. to Abercorn St.



Broughton Street – Abercorn St. to Drayton St.



Broughton Street – Drayton St. to Bull St.



Broughton Street – Bull St. to Whitaker St.



Broughton Street – Whitaker St. to Barnard St.



Broughton Street – Barnard St. to Jefferson St.



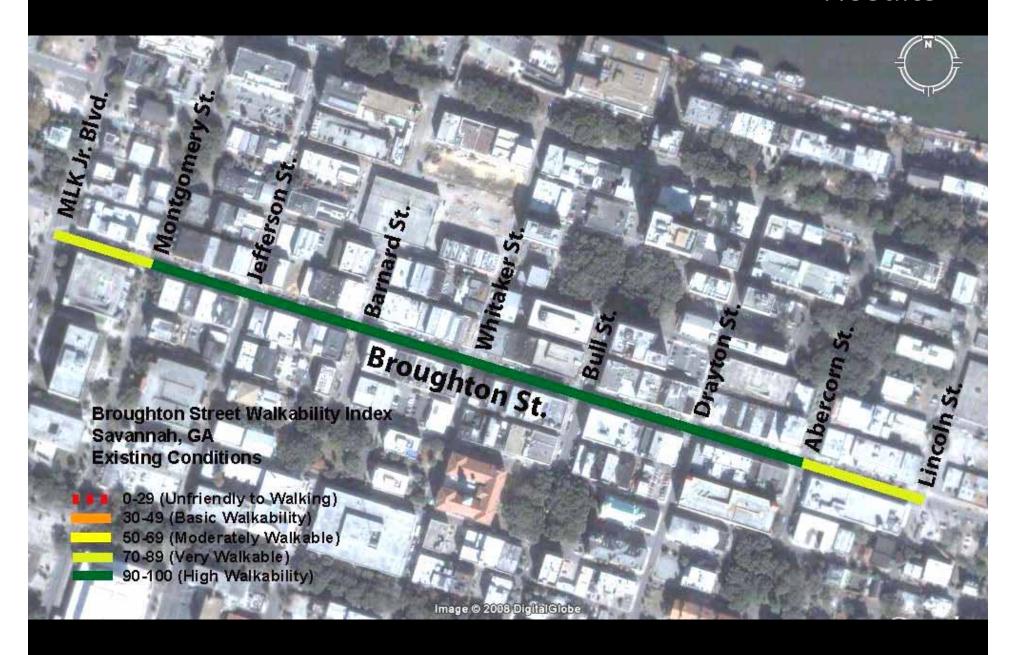
Broughton Street - Jefferson St. to Montgomery St.



Broughton Street - Montgomery St. to MLK Jr. Blvd.

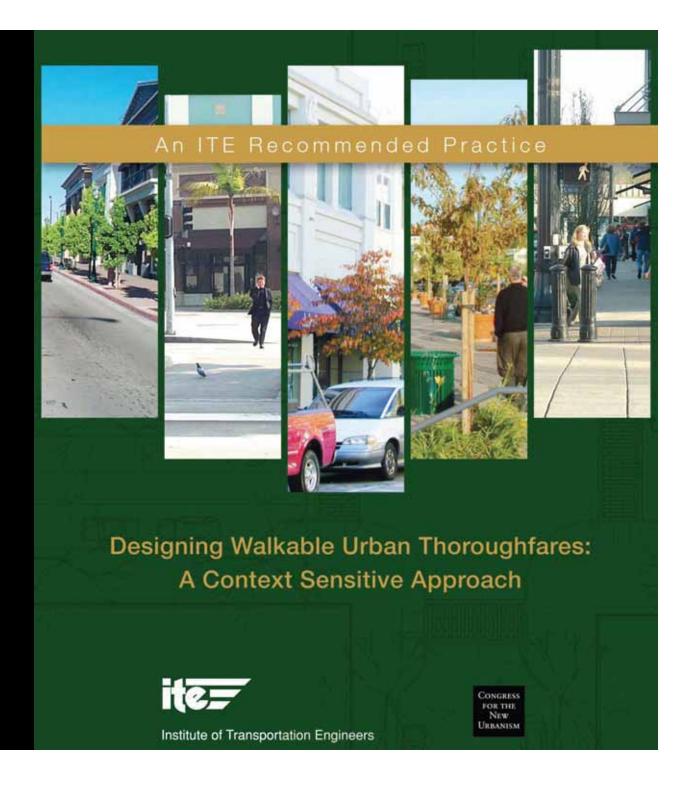


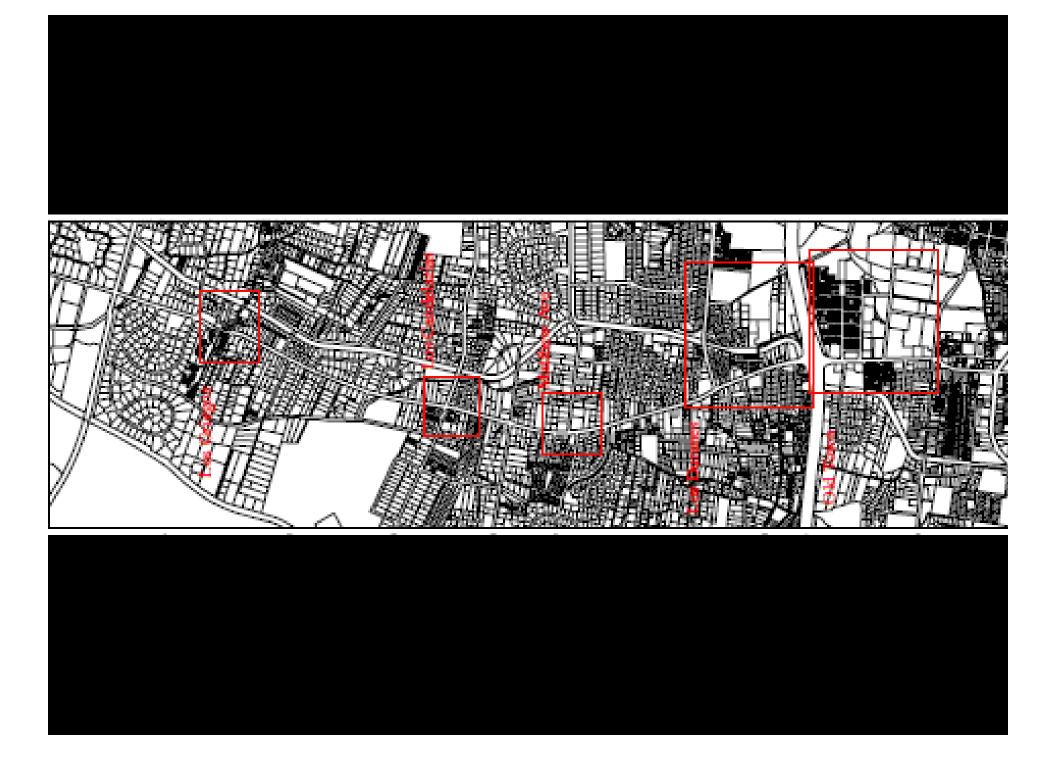
Results

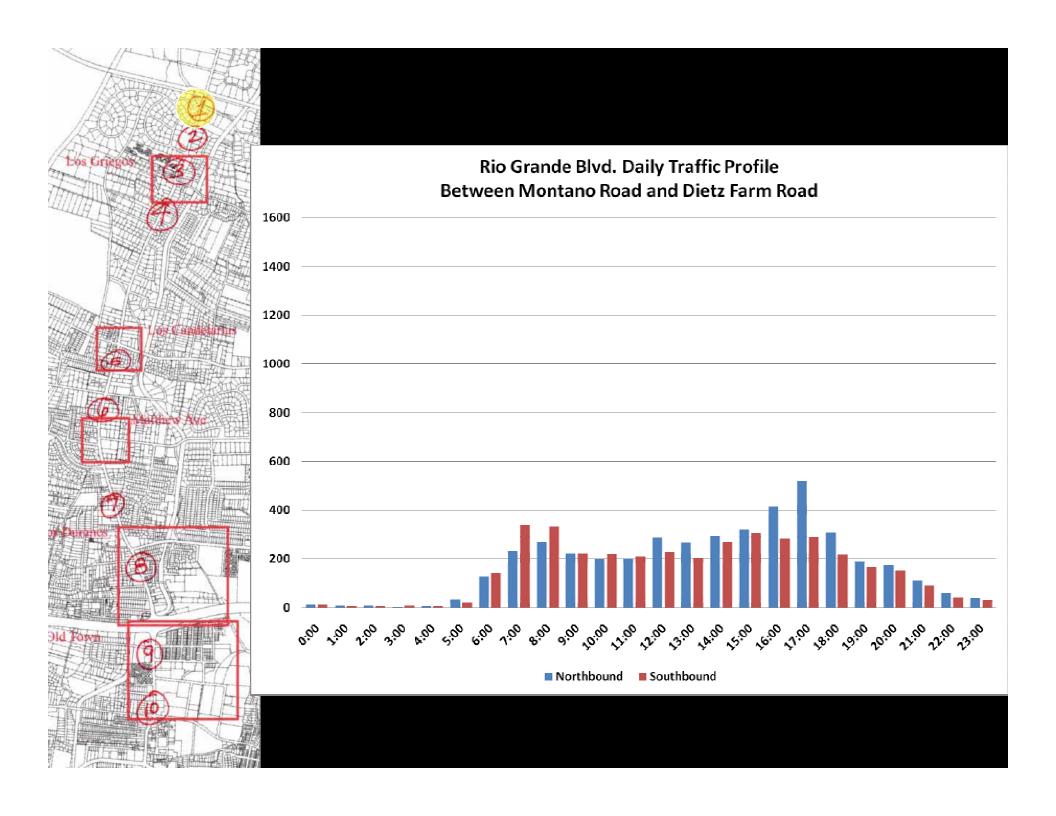


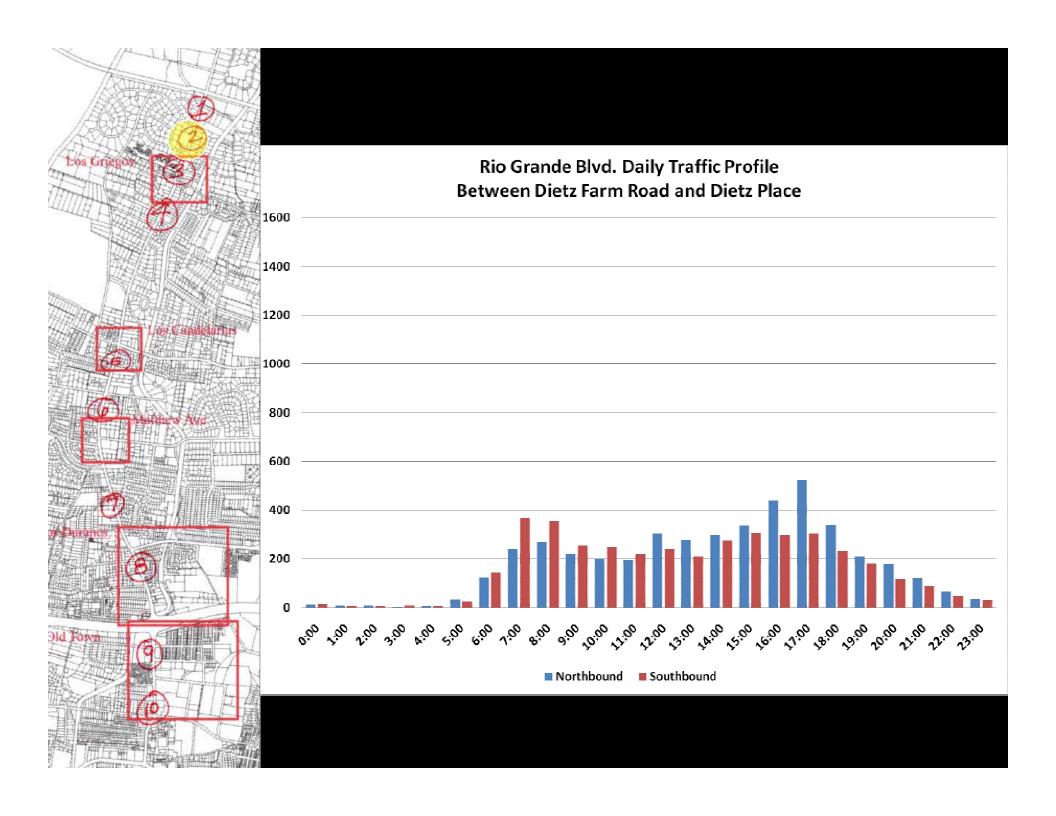
joint CNU / ITE product

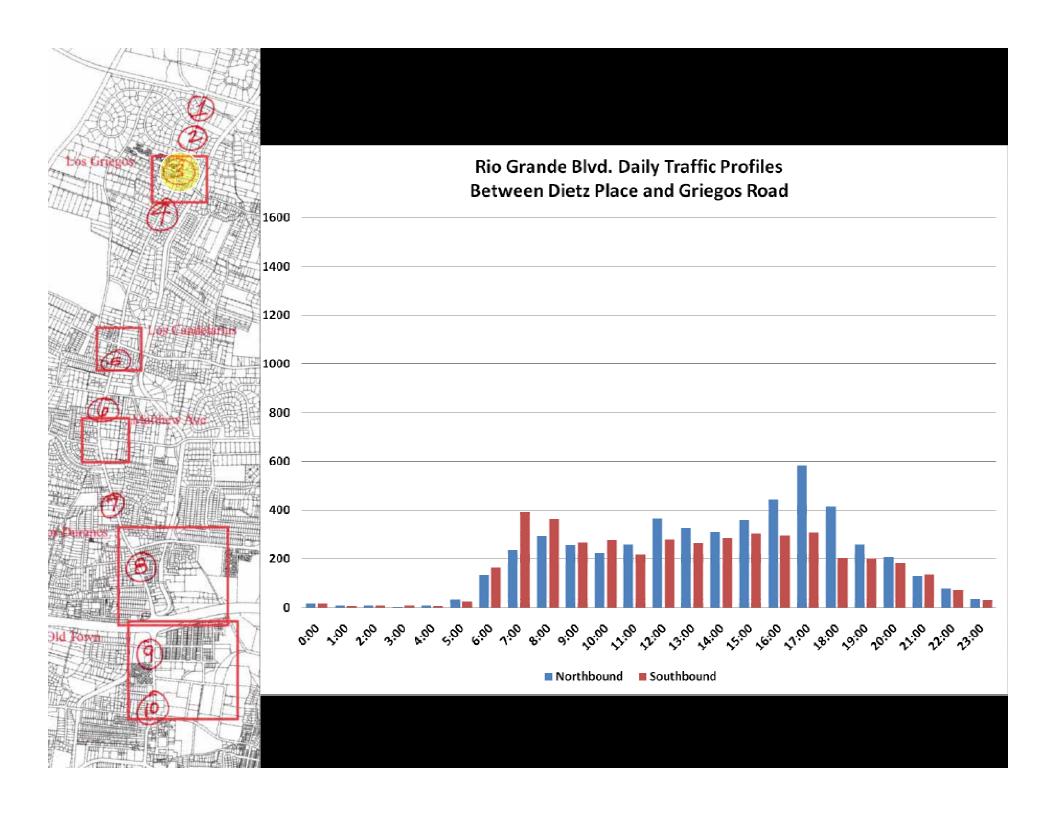
released March 2010

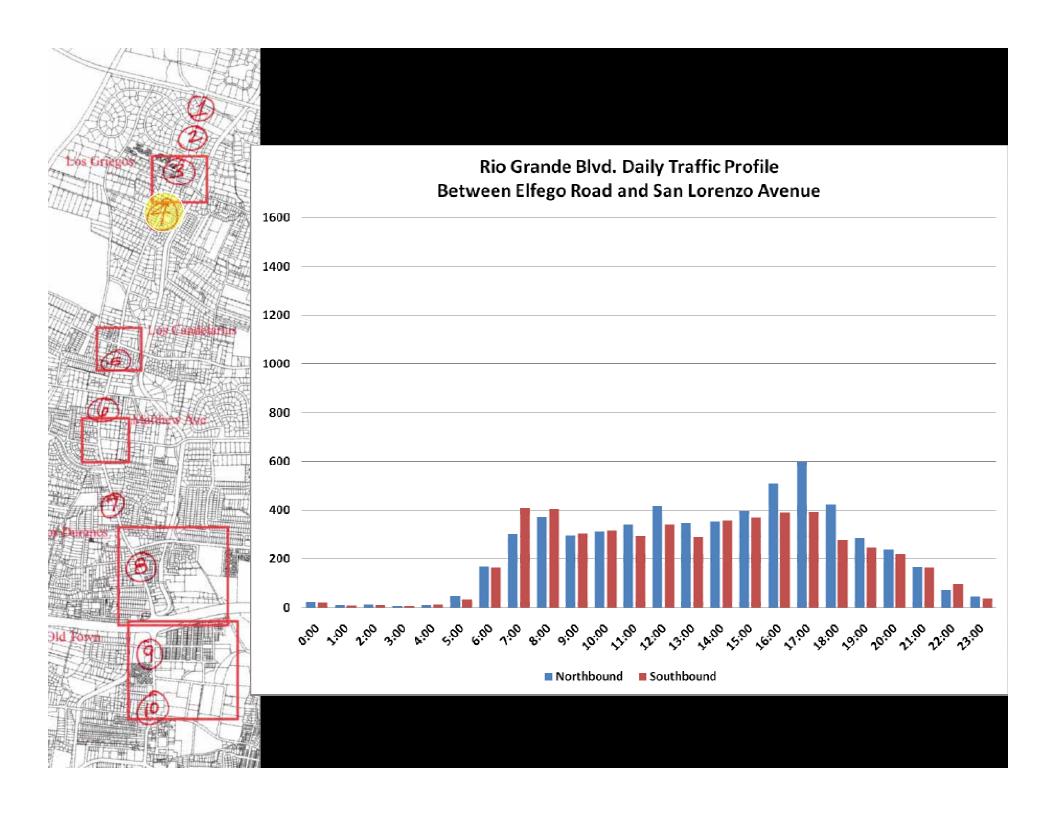


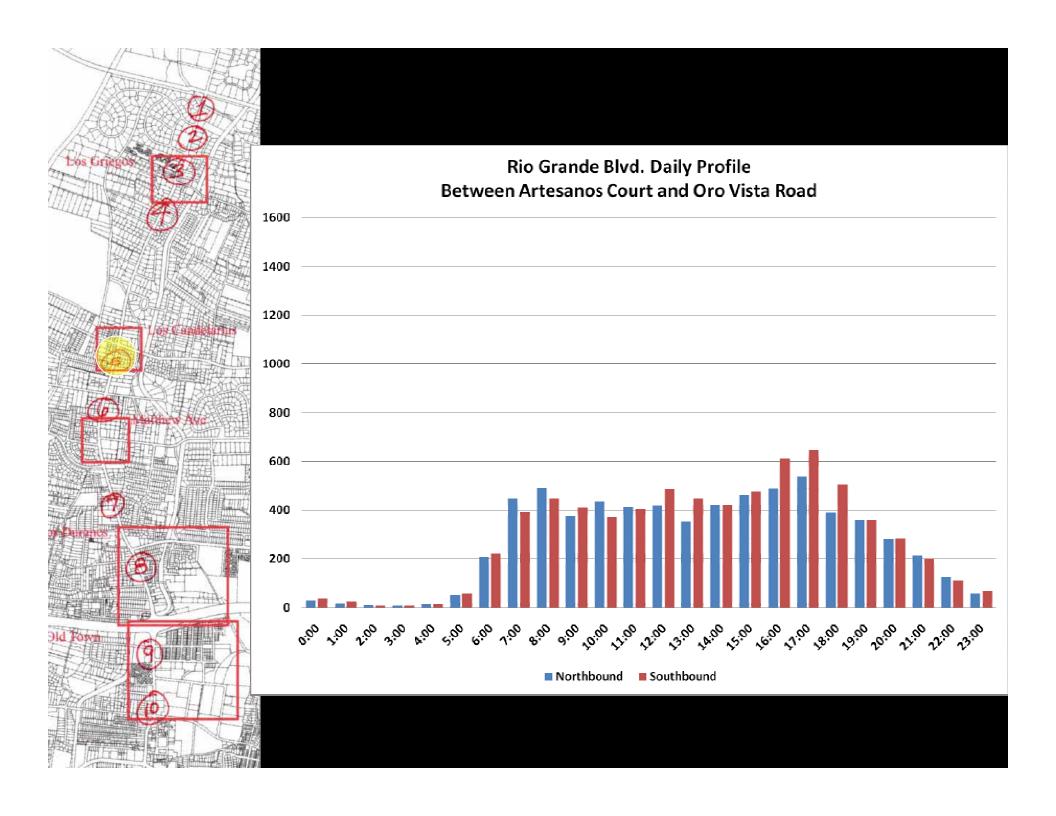


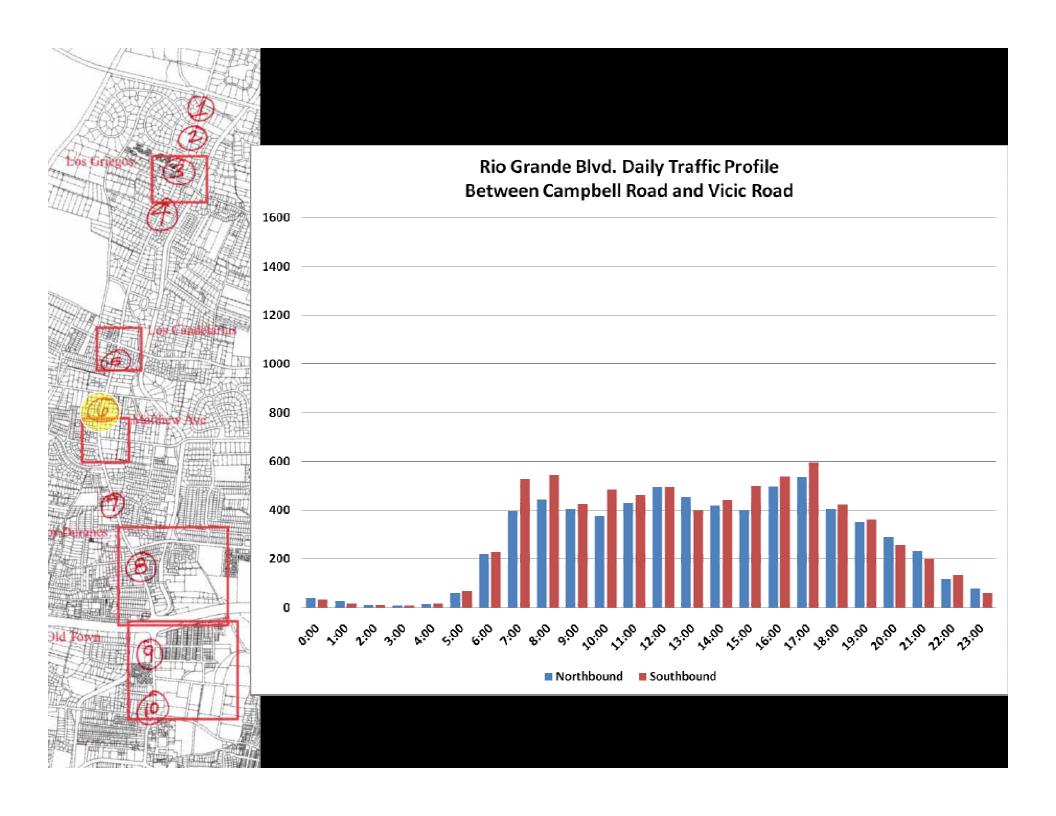


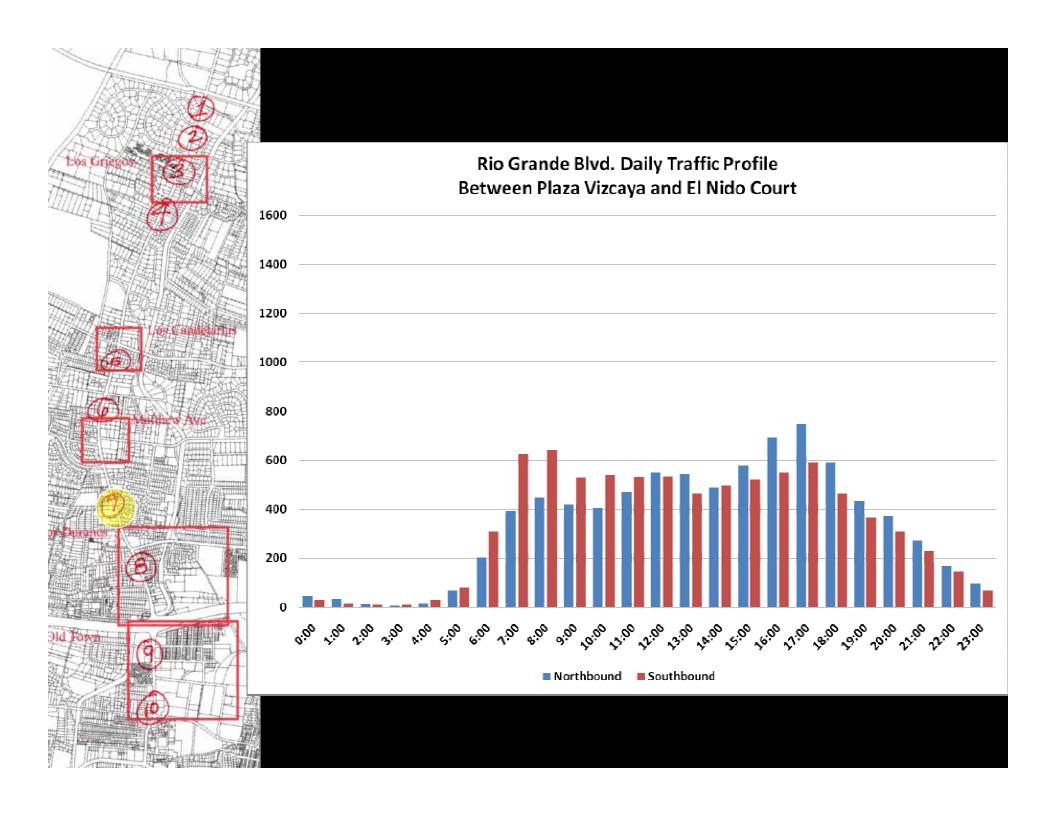


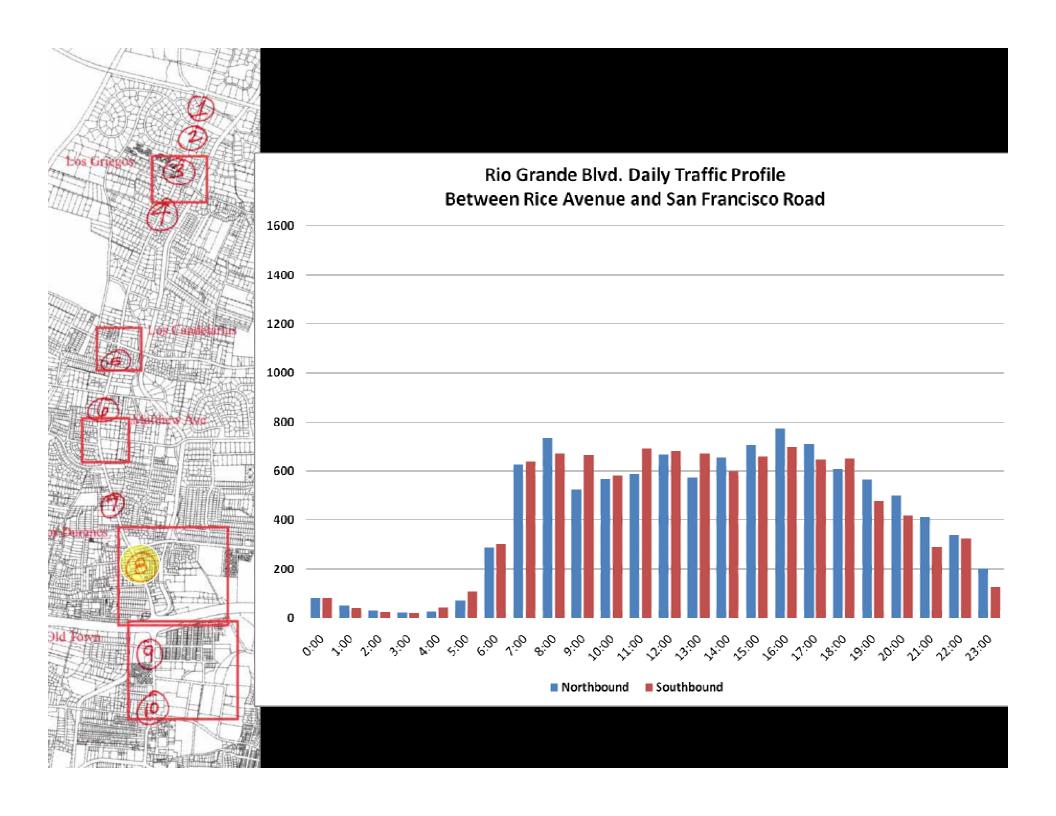


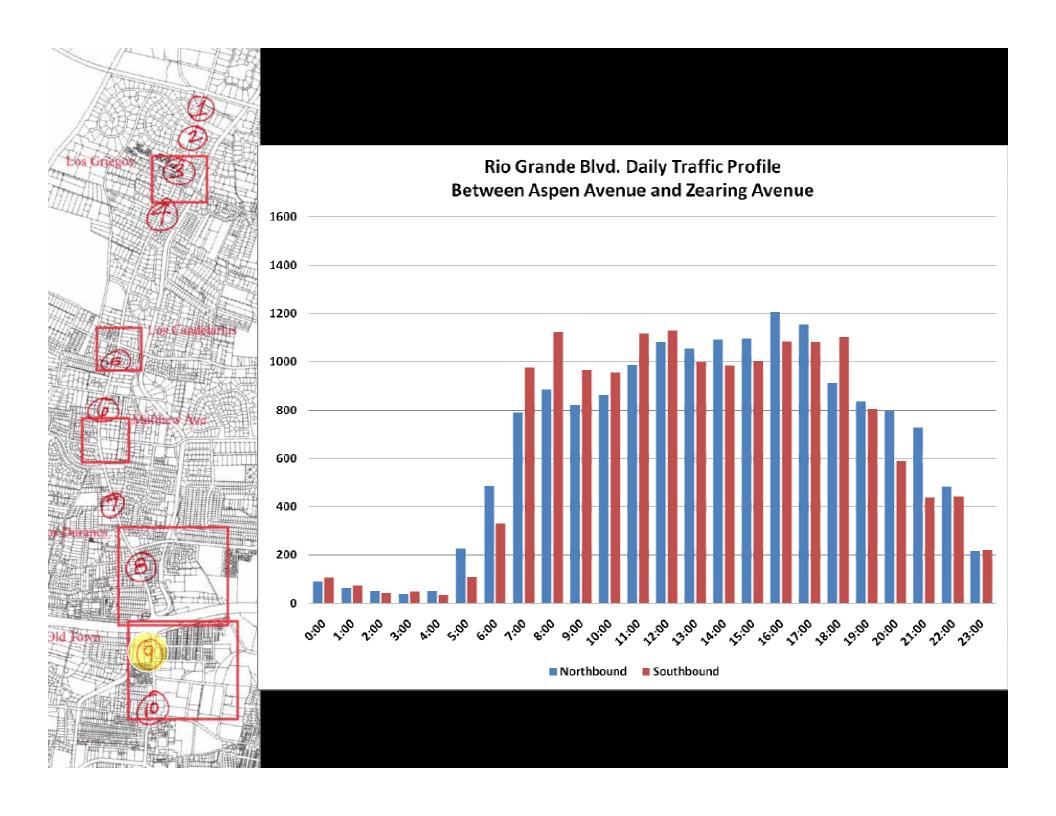


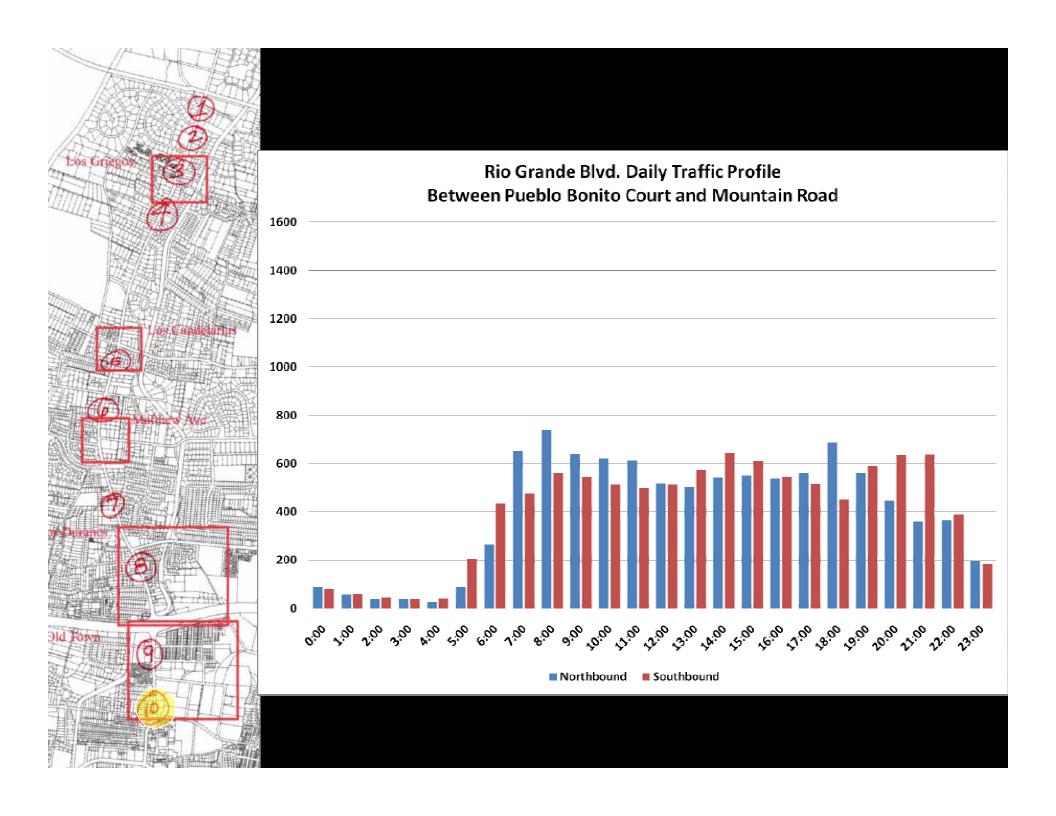








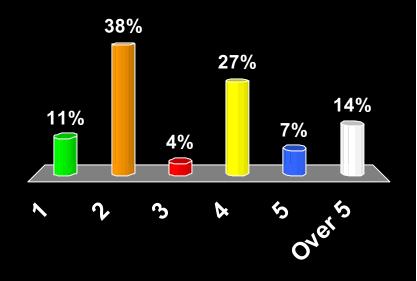




quick poll

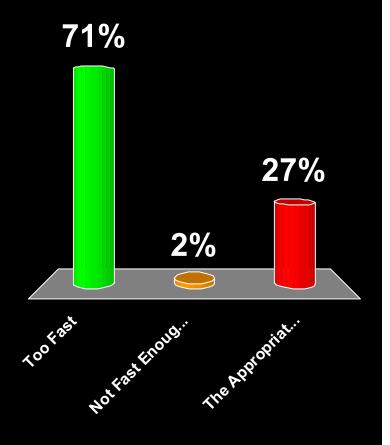
How many car trips per day do you make along Rio Grande Boulevard?

- 1. 1
- 2. 2
- 3. 3
- 4. 4
- 5. 5
- 6. Over 5



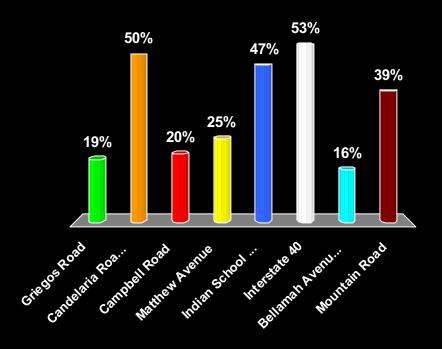
The average car speeds along Rio Grande Boulevard are:

- 1. Too Fast
- 2. Not Fast Enough
- 3. The Appropriate Speed



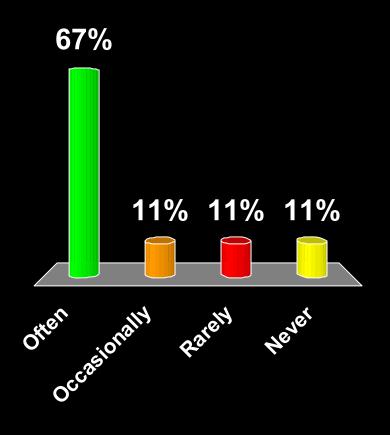
What intersections along Rio Grande Boulevard need the most attention? (pick 3)

- 1. Griegos Road
- 2. Candelaria Road
- 3. Campbell Road
- 4. Matthew Avenue
- Indian School Road
- 6. Interstate 40
- 7. Bellamah Avenue
- 8. Mountain Road



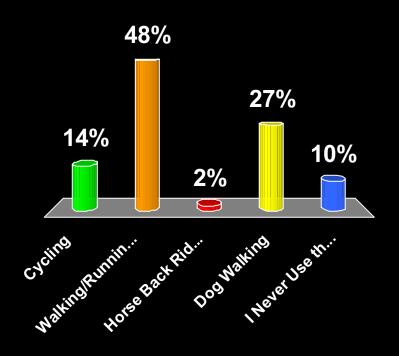
How often do you use the trails along the network of ditches and drains?

- 1. Often
- 2. Occasionally
- 3. Rarely
- 4. Never



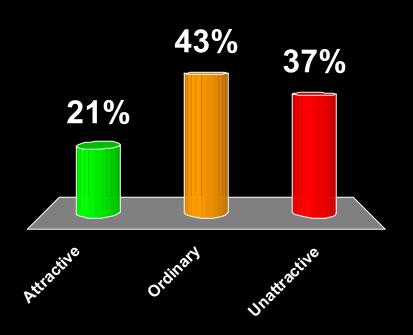
I use the network of trails along the drains and ditches primarily for:

- 1. Cycling
- 2. Walking/Running
- 3. Horse Back Riding
- 4. Dog Walking
- 5. I Never Use the Trails



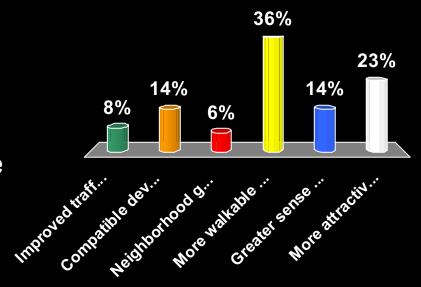
The character of Rio Grande Boulevard today (buildings, streets, public spaces, etc.) can generally be described as:

- 1. Attractive
- 2. Ordinary
- 3. Unattractive



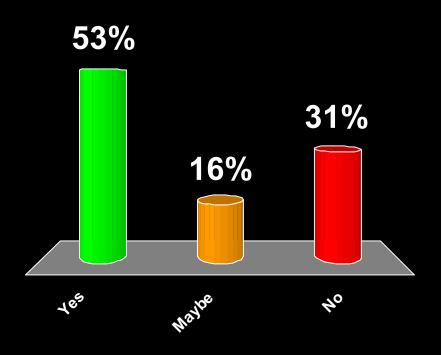
My biggest hope for Rio Grande Boulevard is:

- 1. Improved traffic patterns
- 2. Compatible development with the neighborhood
- 3. Neighborhood gathering place
- 4. More walkable and bicycle friendly
- 5. Greater sense of safety
- 6. More attractive streetscape



Do you plan on attending the Hands-on Design Session tomorrow?

- 1. Yes
- 2. Maybe
- 3. No





Kick-Off Presentation

Friday July 9 6:00pm Gymnasium - Los Duranes Community Center

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