



Smart Growth America
Making Neighborhoods Great Together

Transportation Demand Management

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Nelson\Nygaard Associates

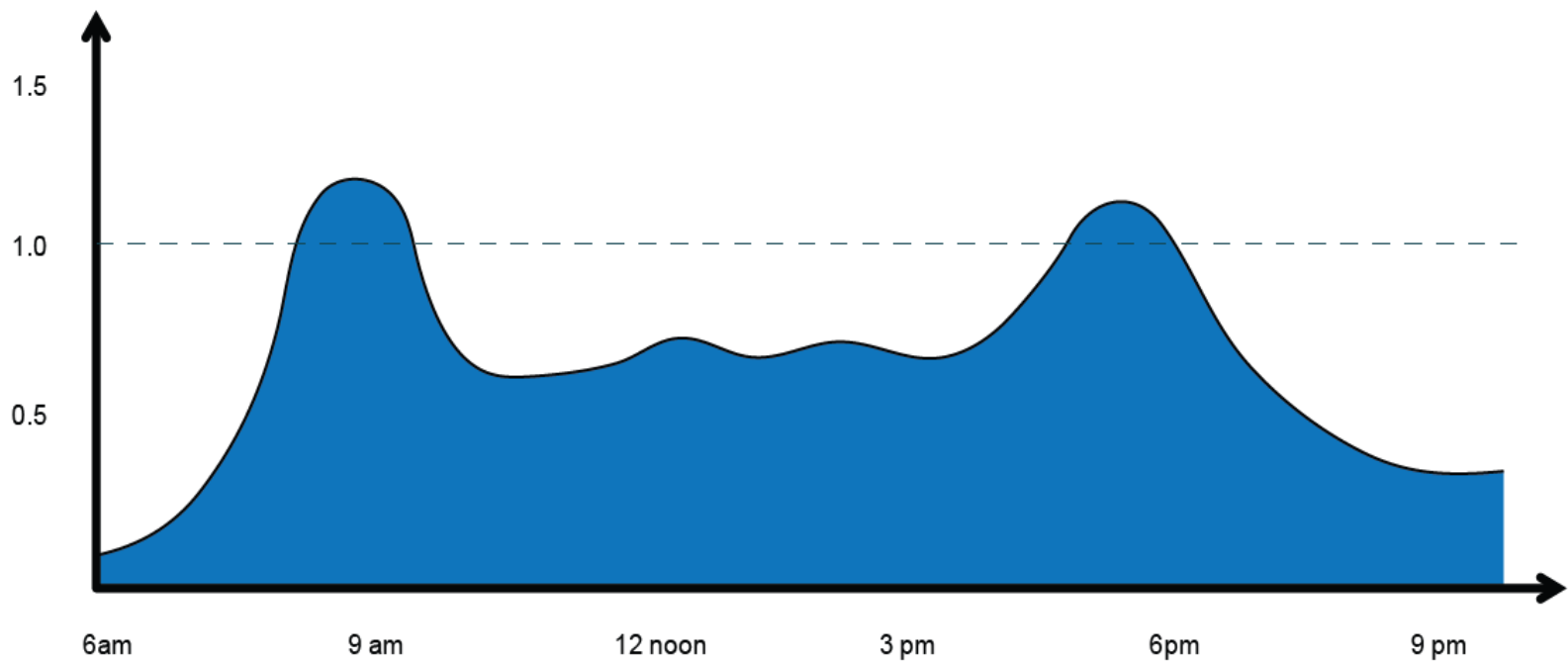
Module 1

WHAT IS TDM AND WHY DO IT?

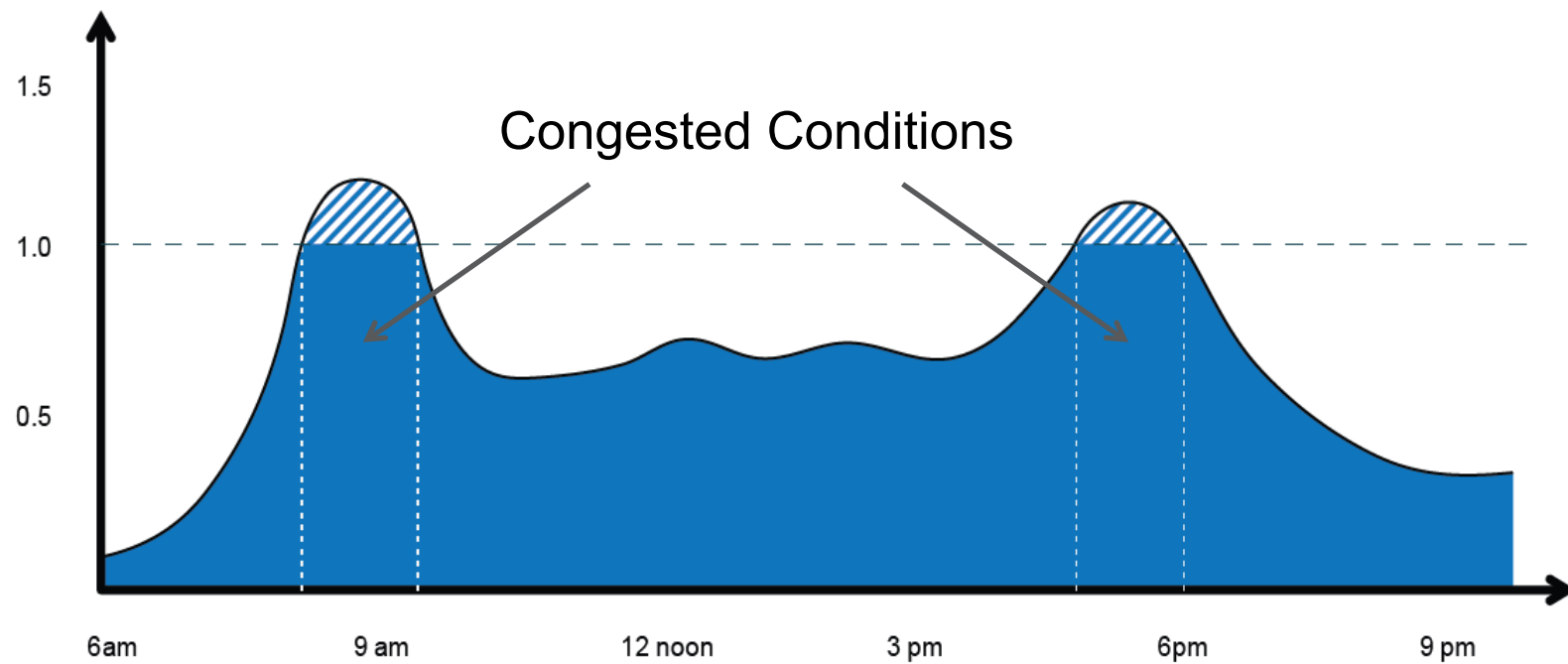


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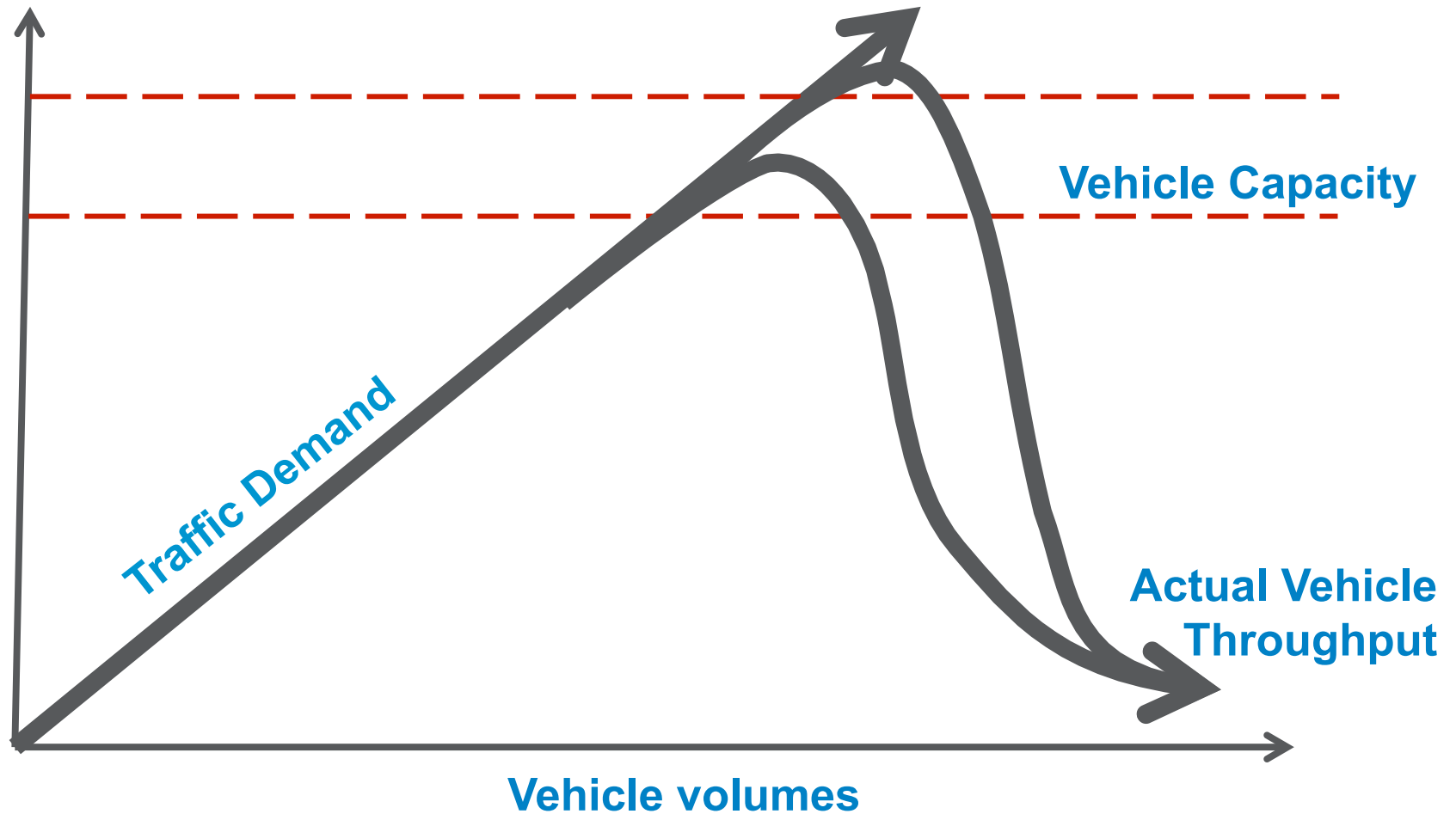
Typical Peak Period Travel



Volume Surpassing Optimal Flow



One solution: Increase capacity



Another Solution: Transportation Demand Management (TDM)



Application of strategies and policies to optimize existing systems and infrastructure by reducing travel demand or redistributing demand in time or space

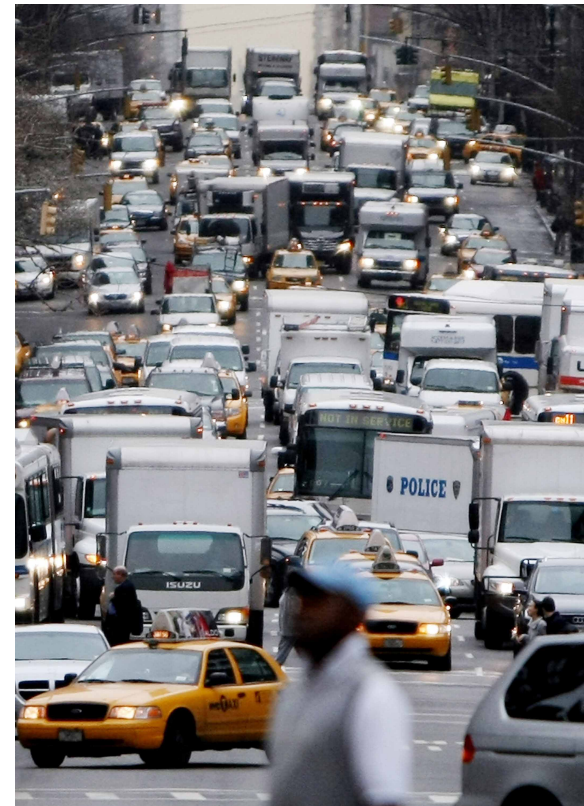
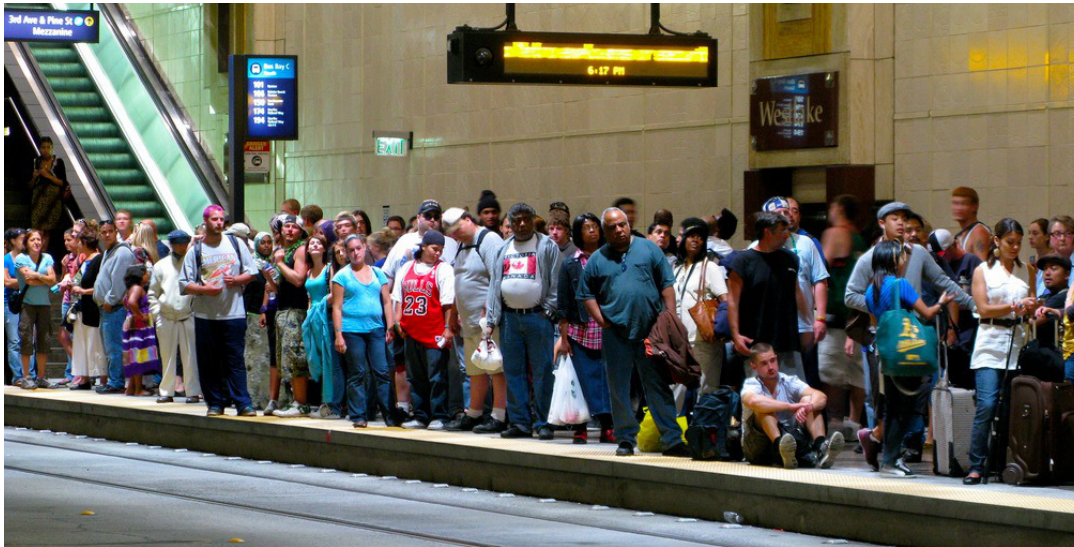
What is transportation demand management?

The ability to accommodate the growth you need with the assets you have while preserving the quality of life you want



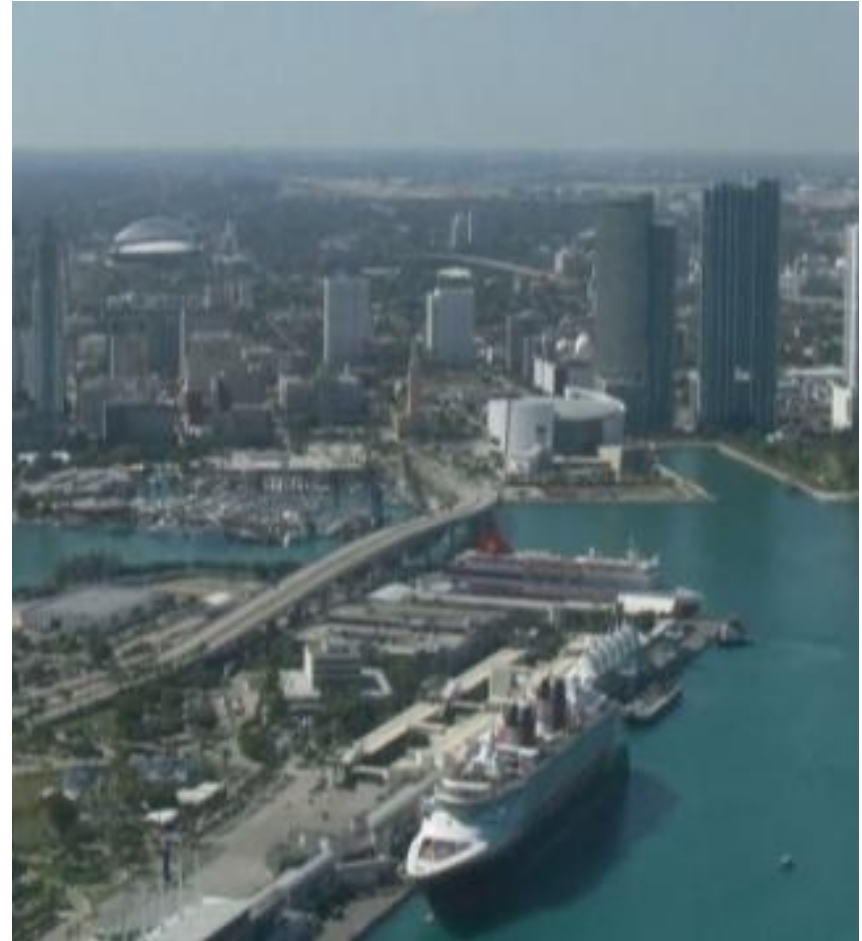
Where is TDM be applied?

- SOV travel
- Transit
- Freight



Why?

- Accommodate growth
- Preserve investments
- Save resources
- Maintain competitiveness
- Enhance quality of life
- Enable choice



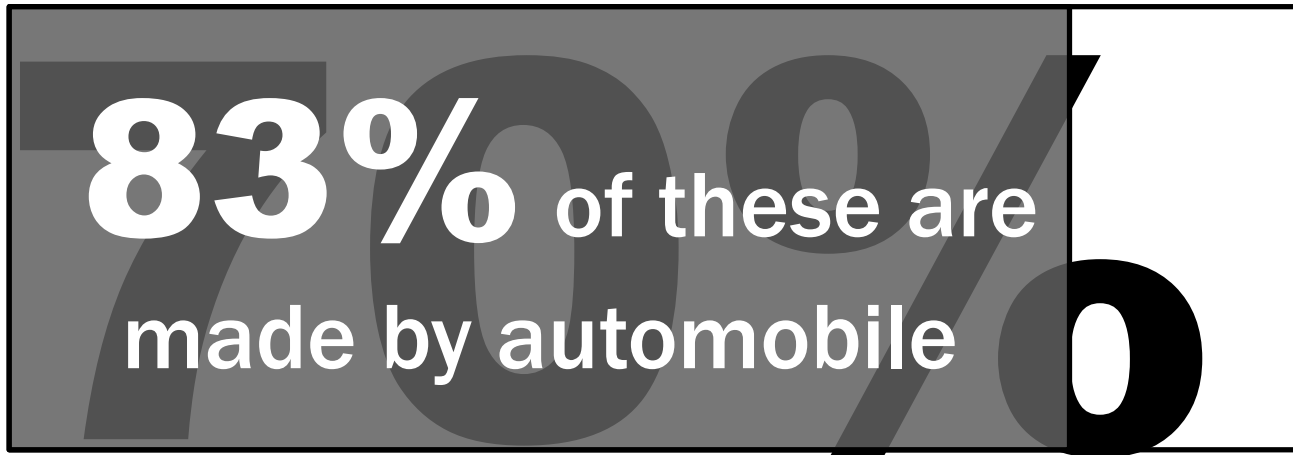
How?

- Shifting trips (different times, different routes)
- Substituting trips (different modes)
- Eliminating trips (telework, flex schedules, freight villages)
- Optimizing more (management, technology)

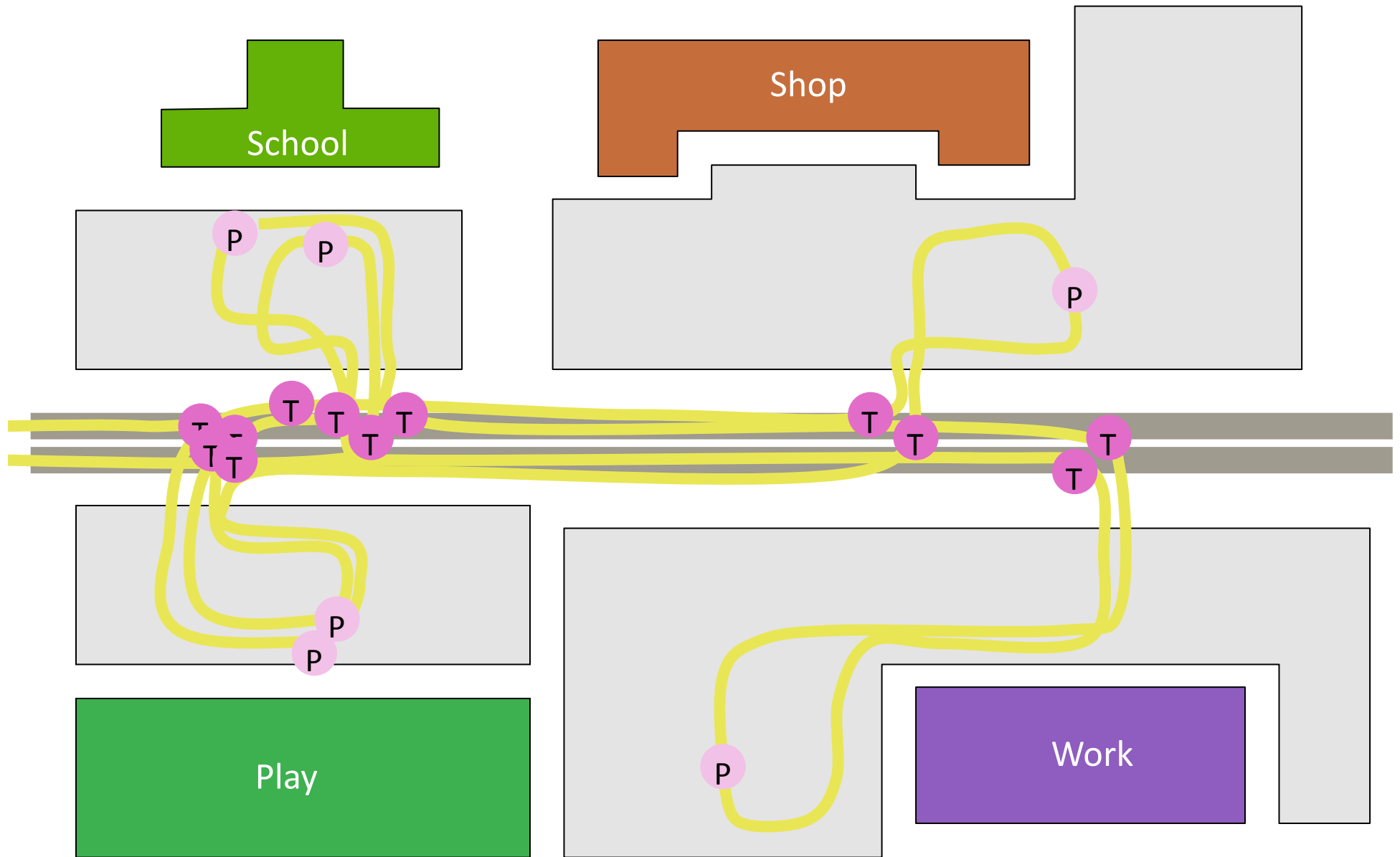
Key to effectiveness

- Easy
- Affordable
- Efficient

The Opportunity



Of household trips are 5 miles long or less



Value of TDM: Choice

Average Annual Wage in Orlando-Kissimmee-Sanford (2013) **\$47,771/year**

Average cost of owning and operating (one) automobile (2013): **\$9,122 /year**

Average Annual Cost of Attendance (University of Central Florida): **\$16,848/year**

Value of TDM: Adaptability

10

Average number of years between transportation project conception and delivery

20

Average financing period for major transportation construction or developments

6

Years before autonomous vehicles will be commercially available

1

year until the next big innovation in transportation

Value of TDM: Responding to Demand

Pop quiz!

Do you typically:

1. Drive to work because you want to?
2. Drive to work because you have to?
3. Get to work some other way than driving?

Value of TDM: Responding to Demand

Convinced & committed

Early adopters, driven by values or budgets (or both!)

Confident but cautious

Use alternate modes on occasion but uncertain of them

Interested, but skeptical

Would use alternate travel if they had knowledge of them and they were of equal value

No way, no how

Voluntarily choose even when other options are viable.

Management

HELP!!!

Seeking carpool from Fort Washington, MD
Admin Bldg/Court House in
are
Marroora

60%

Of drivers would like not to drive
(at least on occasion)

Value of TDM: Responding to Demand



Boomers

Highest wage earners and
greatest amassed wealth
(sustaining economic development)

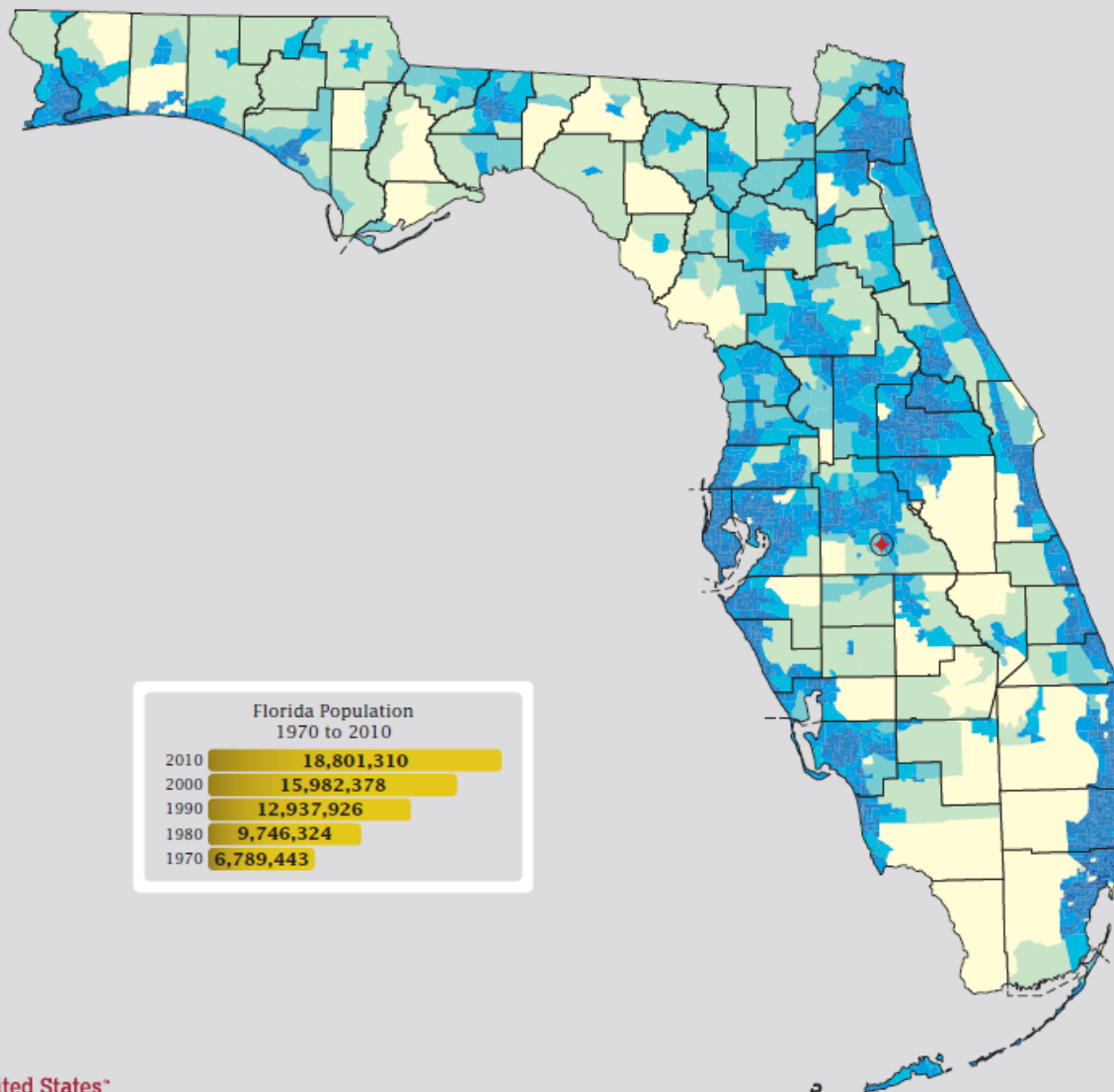
Millennials

Largest generation and rising
workforce
(attracting economic development)



2010 Census: Florida Profile

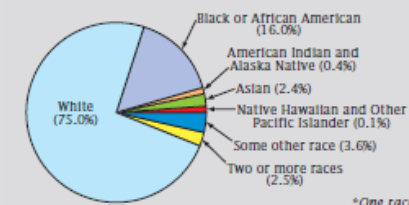
Population Density by Census Tract



Florida Population
1970 to 2010

2010	18,801,310
2000	15,982,378
1990	12,937,926
1980	9,746,324
1970	6,789,443

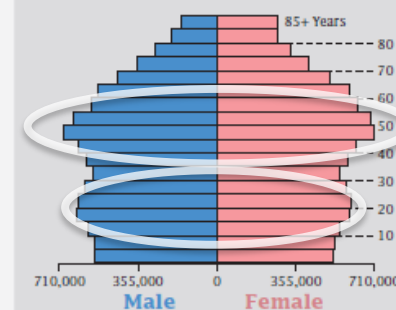
State Race* Breakdown



Hispanic or Latino (of any race)
makes up 22.5% of the state population.

Population by Sex and Age

Total Population: 18,801,310



Housing Tenure

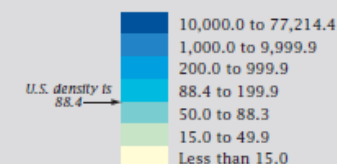
Total Occupied Housing Units:
7,420,802

67.4% Owner Occupied	32.6% Renter Occupied
----------------------	-----------------------

Average Household Size
of Owner-Occupied Units:
2.47 people

Average Household Size
of Renter-Occupied Units:
2.49 people

People per Square Mile
by Census Tract



Value of TDM: Responding to Demand

Boomers - Empty Nesters

- **72%** prefer **shorter commute** and smaller home, over a longer commute and large home
- **49%** want to live near developments **offering a mix** of shopping, dining and offices
- For **52%** access to **public transportation** is important. Older adults increased transit use by **40%** in the last decade
- In the next decade, **1 in 4** drivers will be **over 65 years old**
- **21%** of seniors **will not drive**

Millennials – Digital Natives

- **83%** sleep with their cell phone
- **80%** have texted in the last 30 minutes.
- Average **14.5 hours** of smartphone use per week.
- **2/3** would give up their car before their computer or mobile phone.
- **Over 1/4** do not have a driver's license.
- **88%** want to live in an urban setting.

ULI survey

Value of TDM: Easing the commute

- Workers who have longer commutes are more likely to feel tired, as well as experience greater worry and less enjoyment.
- The number of miles a person drives to work each day has a stronger correlation with obesity than any other factor analyzed.
- When one partner in a marriage commutes longer than 45 minutes a day, the marriage is 40% more likely to end in divorce.
- For every 10 minutes spent commuting, the number of “social connections” decrease 10%.
- Commutes longer than 90 minutes increase the risk of neck problems and chronic back pain.
- Every minute of a commute reduces time spent on healthy lifestyle activities, like preparing meals, resting, and exercising.

SOURCE: Obrella Insurance (<http://www.obrella.com/news/2015/best-commuter-cities-florida/>)



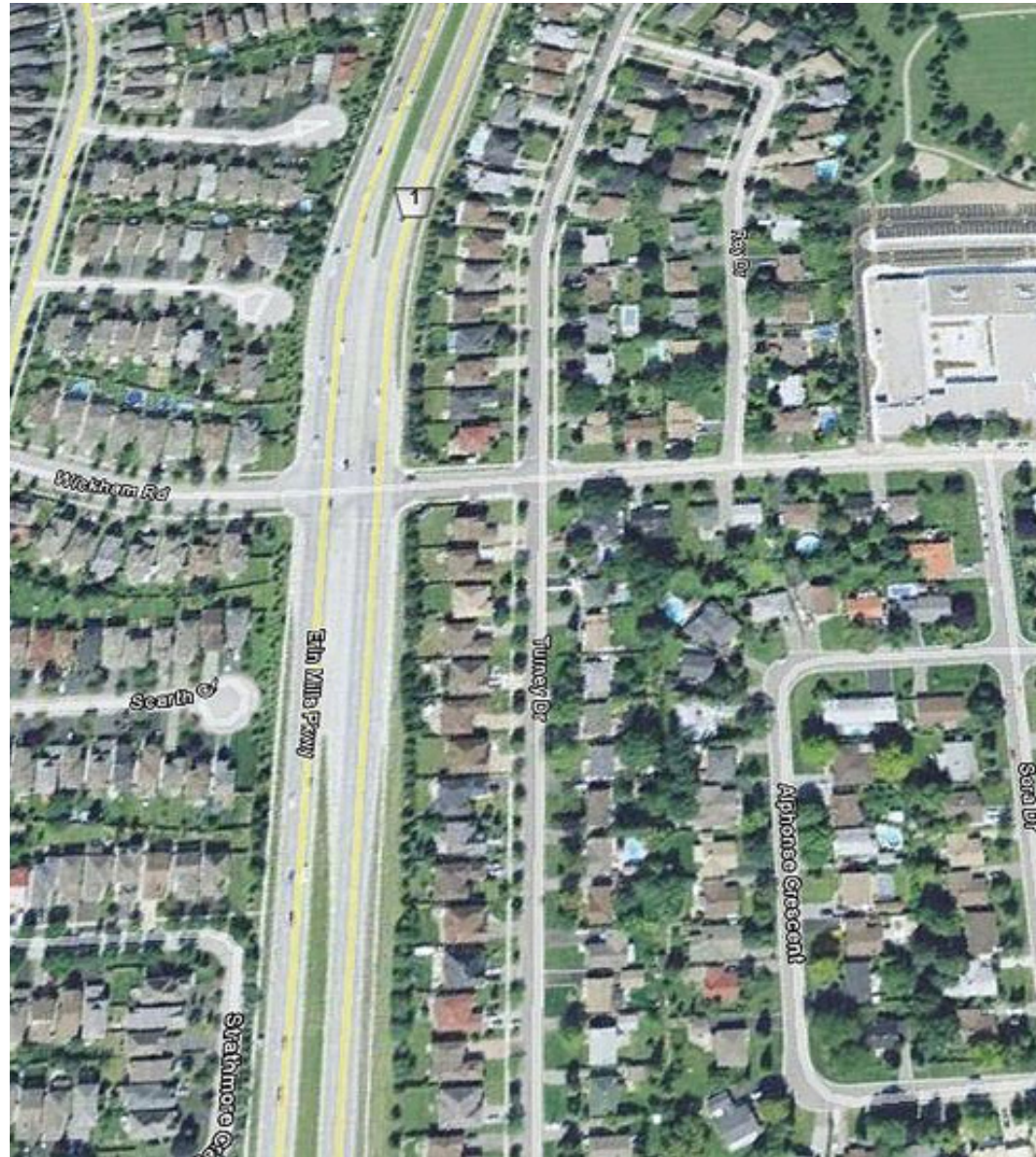
COMPONENTS OF TDM



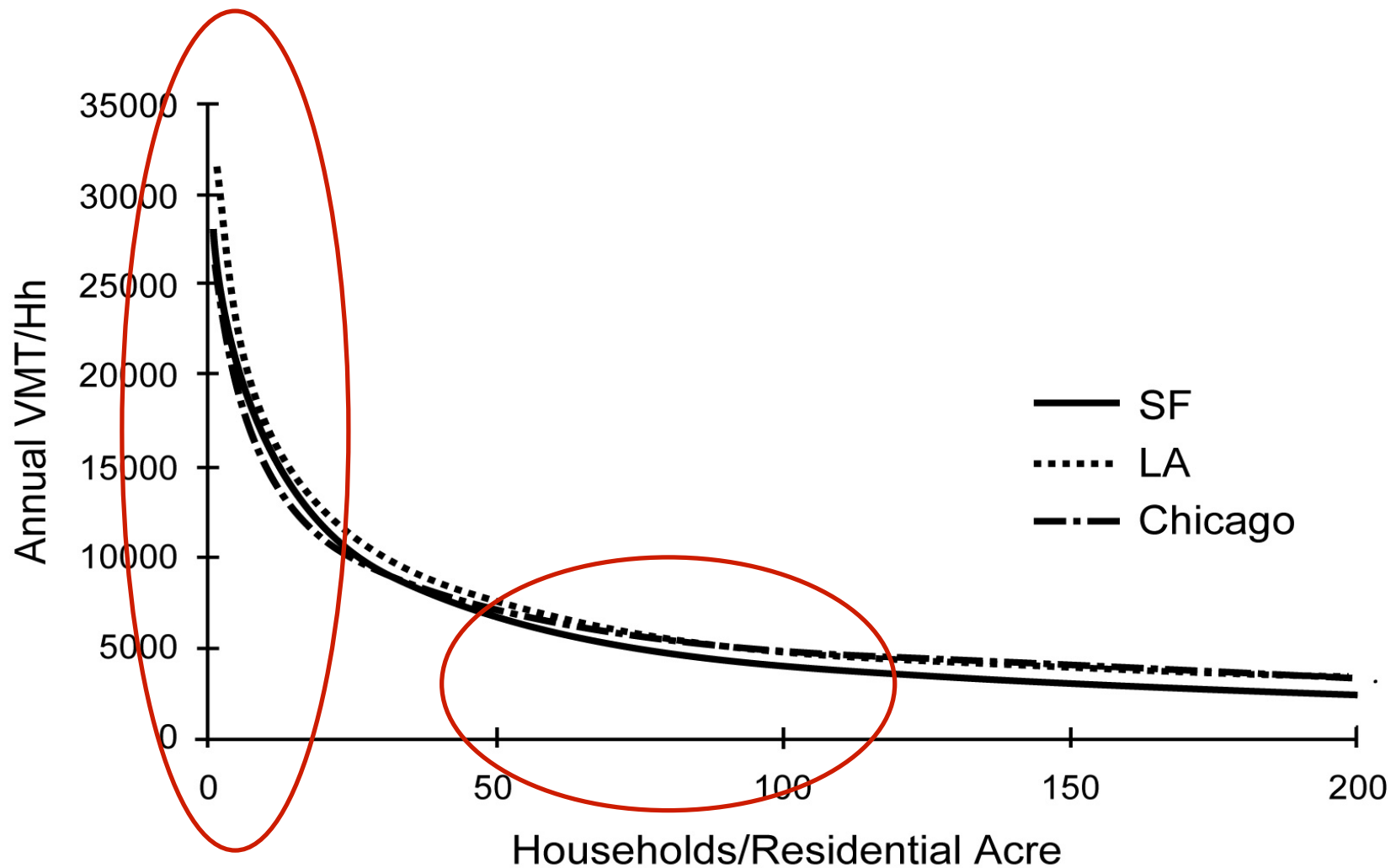
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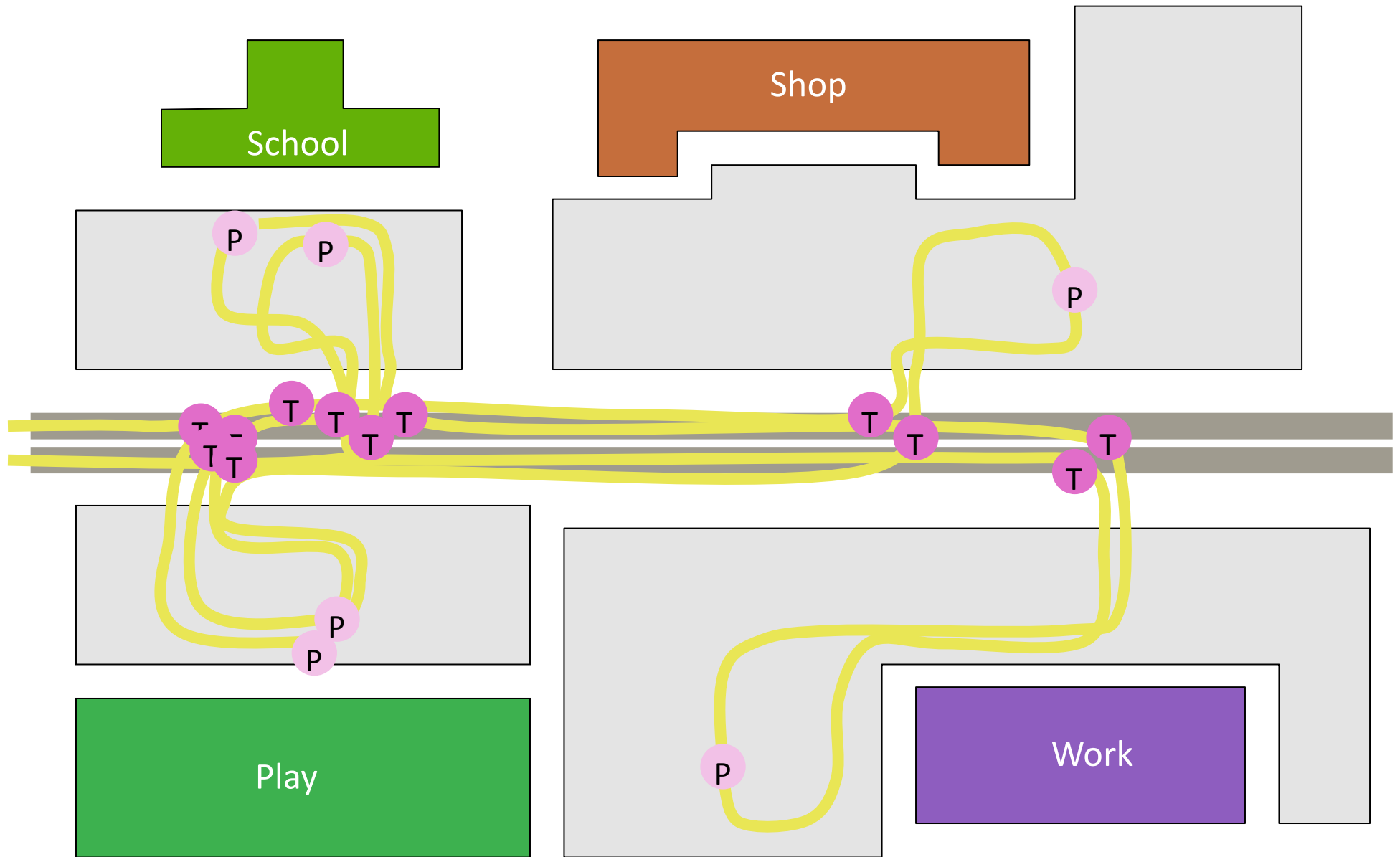
Environment that enables TDM

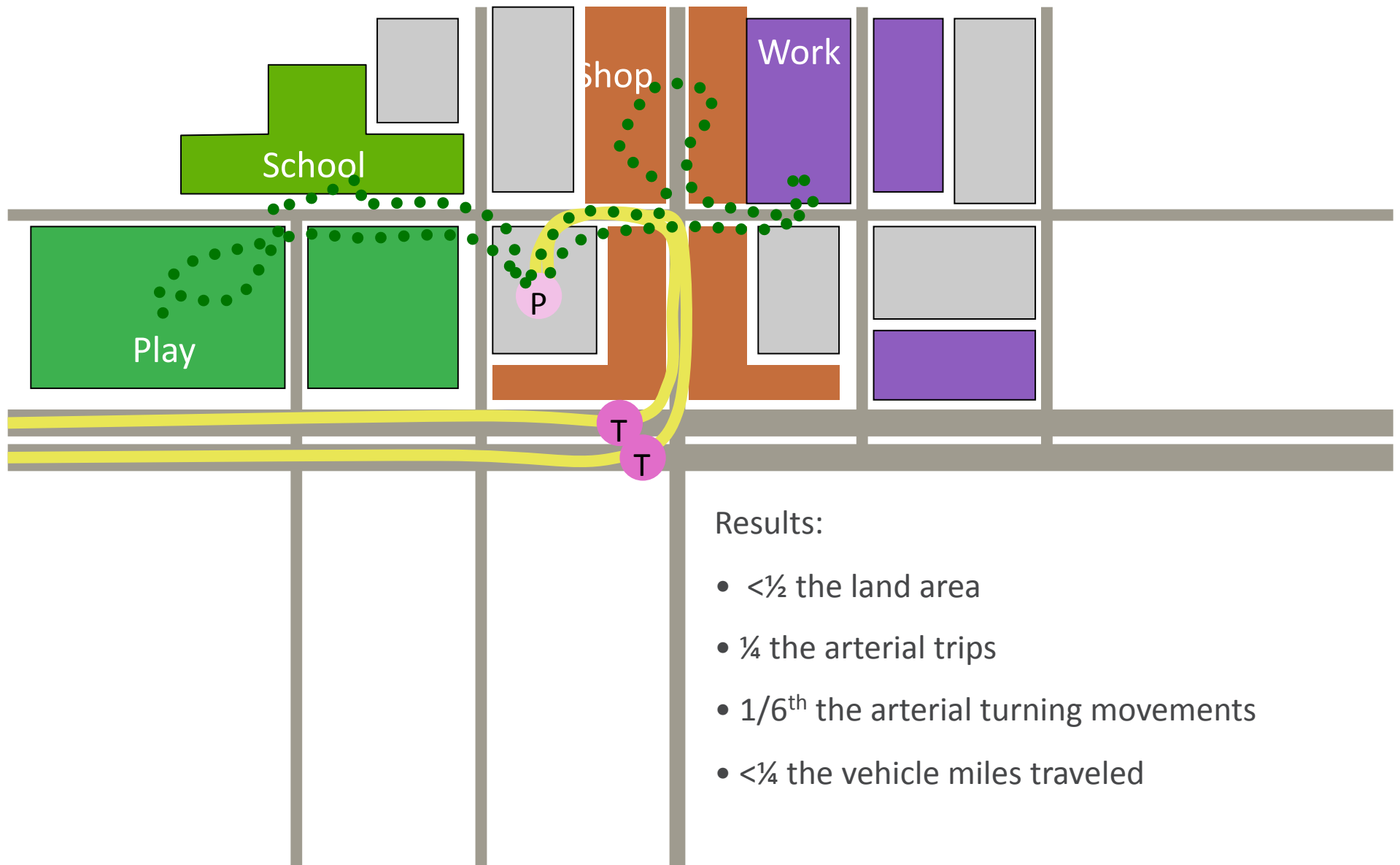
Land use
Network
Systems
Transit
Bicycle
Design



Land Use - Density



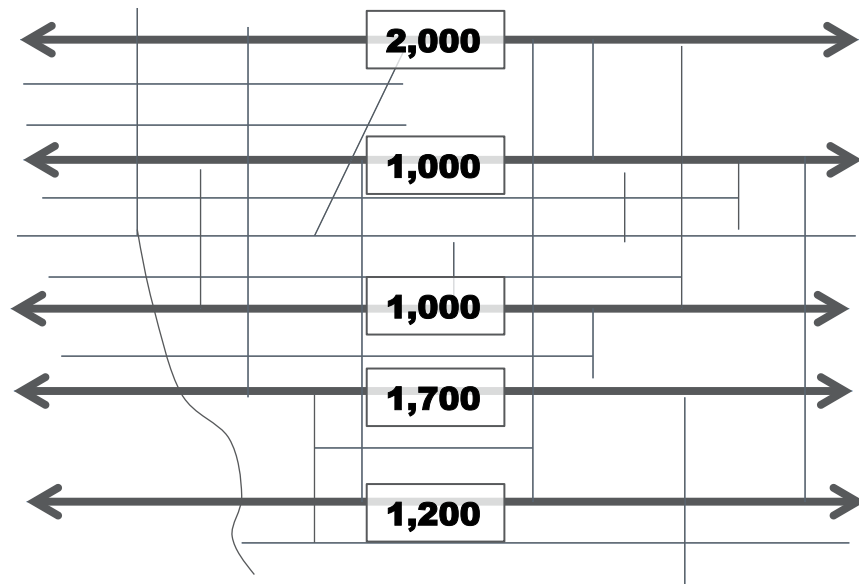




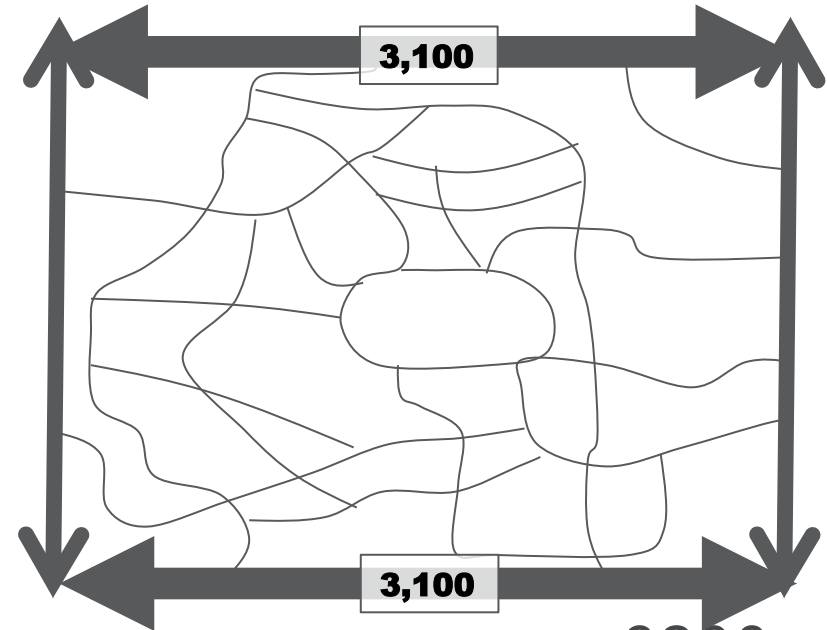
Results:

- $< \frac{1}{2}$ the land area
- $\frac{1}{4}$ the arterial trips
- $\frac{1}{6}^{\text{th}}$ the arterial turning movements
- $< \frac{1}{4}$ the vehicle miles traveled

Network Design



Total Hourly capacity: 6900



Total hourly capacity: 6200

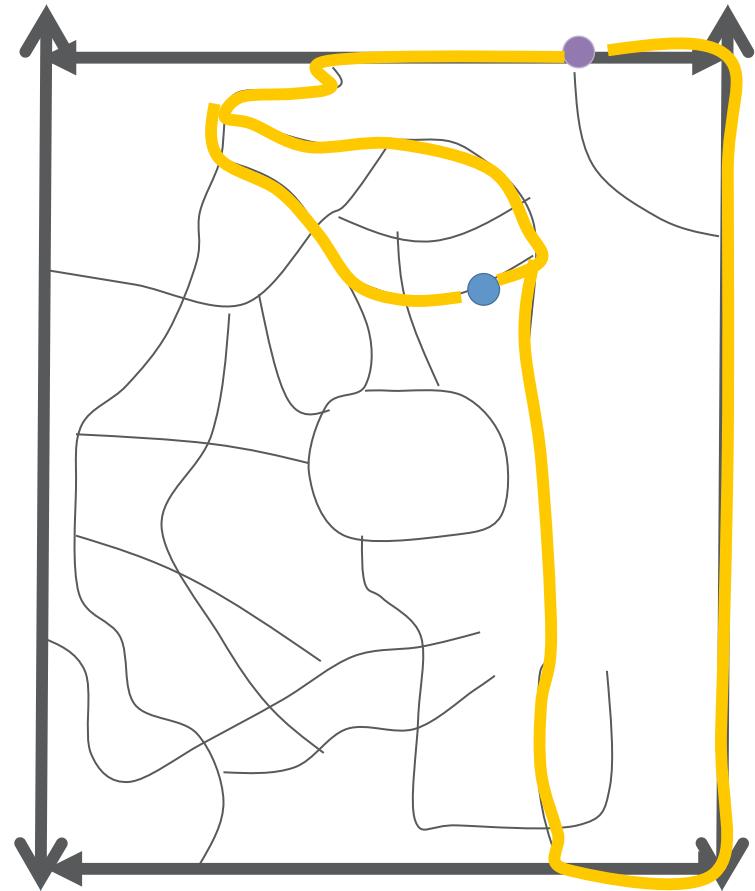
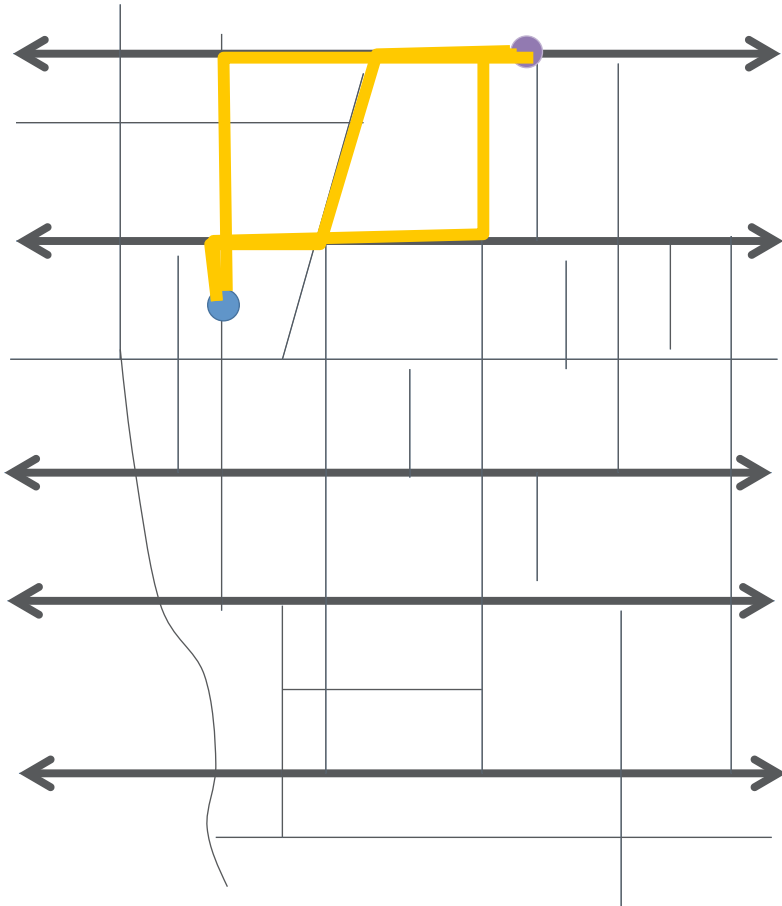


Images: Google Streetview. Dallas Business Journal



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Network Design



Systems



Design



Design



Design

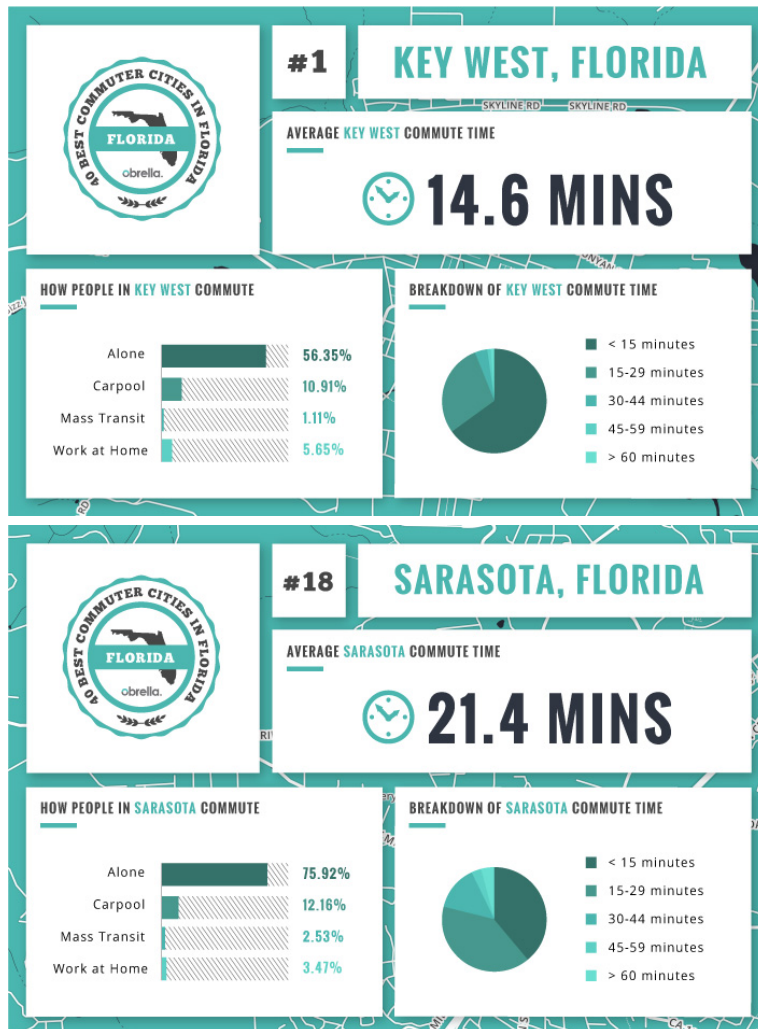


Image Source: Dan Burden

Programs that encourage TDM



How are we doing? Commuting in Florida



How are we doing? (FL commuter behavior 2012 – 2013)



Access to an automobile
92.6% to 92.8% (nationally 91%)



Drive alone commute rate
79.4% to 79.6% (nationally 76%)



Carpooling rate
10.1% to 9.4% (nationally 9.4%)



Walk and bicycle commuting
1.5% (nationally 2.8%)



Transit commuting
2.3% to 2.1% (nationally 5.2%)



Telecommute / work from home
4.8% to 5.1% (nationally 4.4%)

Module II

TDM IN FLORIDA



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Module III

TYPICAL (AND ATYPICAL) TOOLS FOR TDM & IMPLEMENTATION



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Transportation Demand Management (TDM)



Application of strategies and policies to optimize existing systems and infrastructure by **reducing travel demand** or **redistributing** demand in **time** or **space**

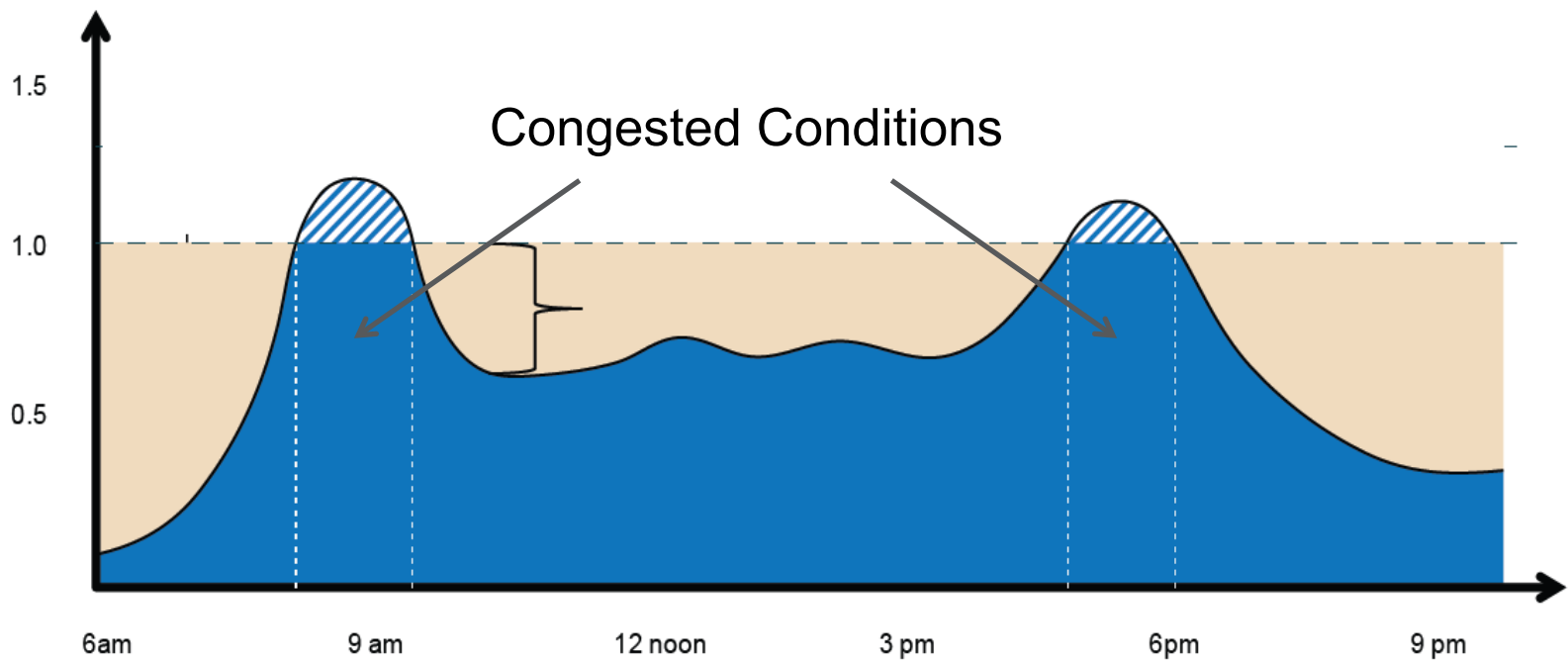
Tools for TDM

...and sticks



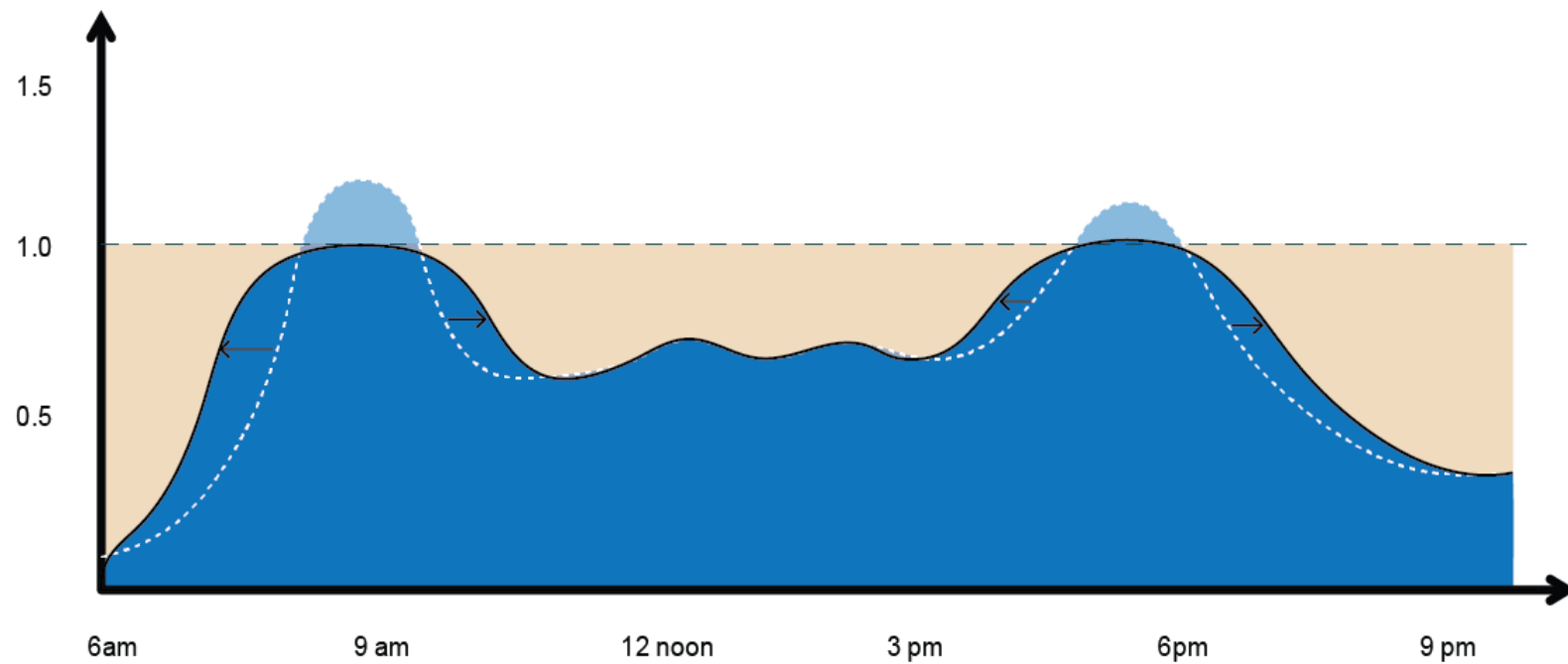
Carrots

Optimizing resources



Option 1: Shift Time

Congestion pricing
Incentives



Strategies for shifting time

- Variable pricing
 - HOT lanes
 - Parking management
No more early bird specials!
- Alternate work schedules
 - Compressed work week
 - Flex schedule



PARKING SPECIAL

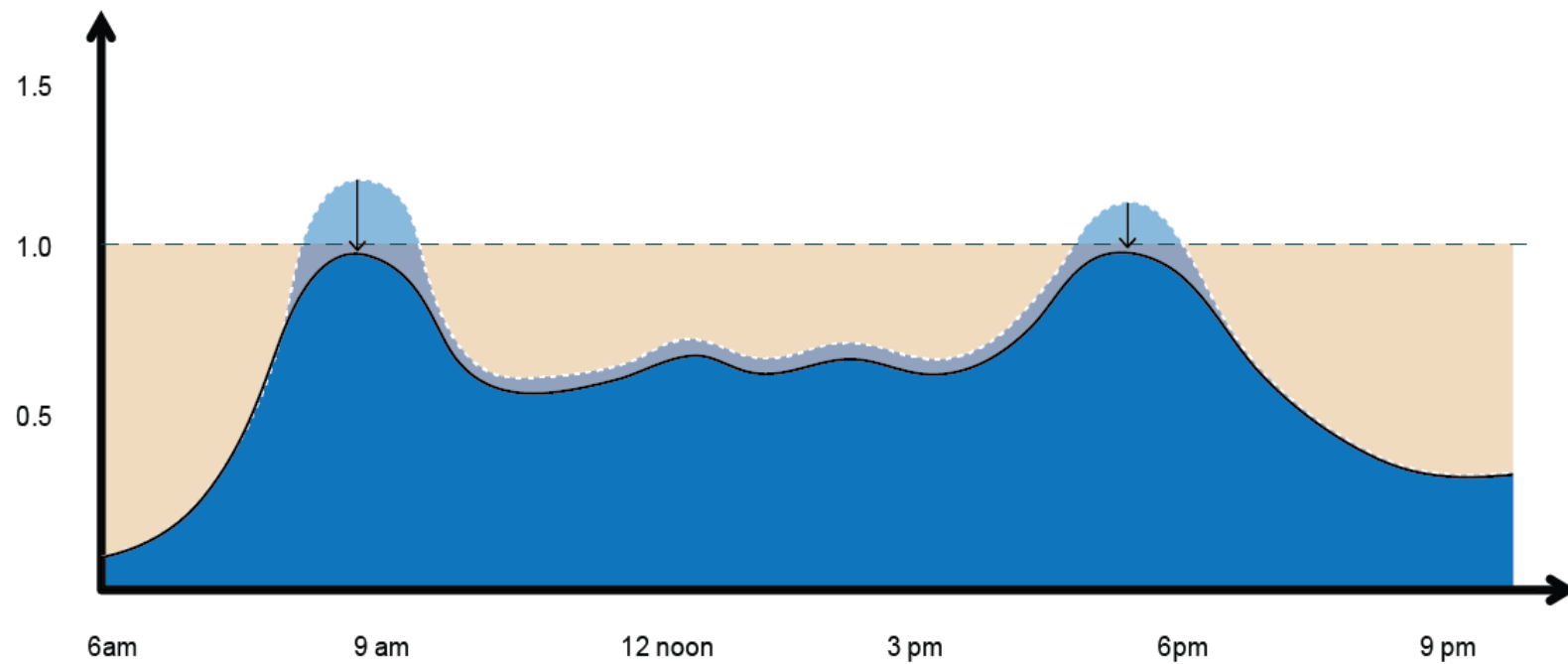
EARLY BIRD SPECIAL

\$10.00

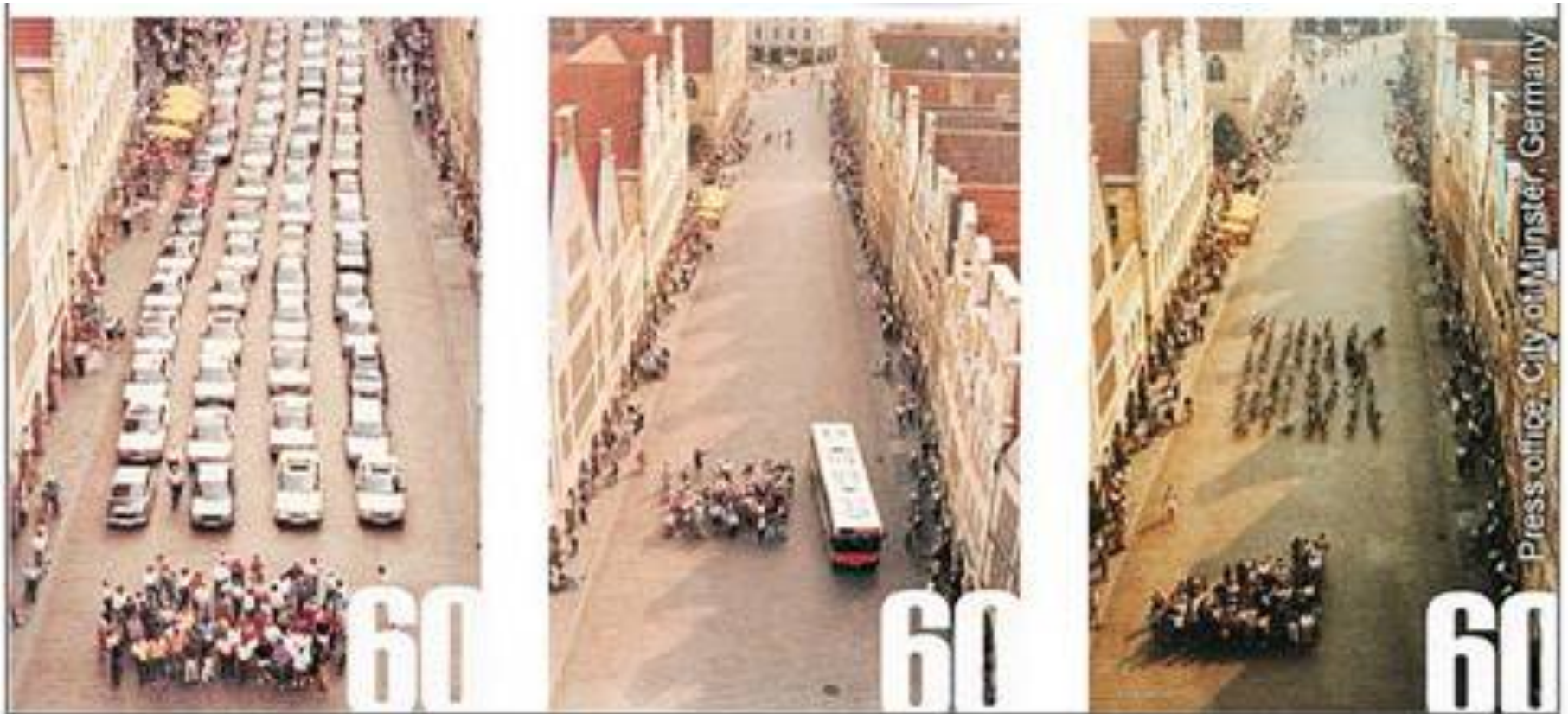
MONDAY-FRIDAY
IN BY 9:30 AM OUT BY 7:00 PM

flexible work scheduling

Option 2: Shift Mode



Mode exercise.....literally



Vanpool

Employer supported
commute reduction
programs

Local, regional, or state
programs may subsidize
vanpool costs

Federal transit eligibility,
or pre-tax employee
benefits

vRide or regional
vanpools



Carpooling

HOV travel lanes

Priority /preferred parking
locations for carpool
vehicles

Free or reduced parking rates

“Occasional use” passes for
carpool participants

Ride share matching
assistance

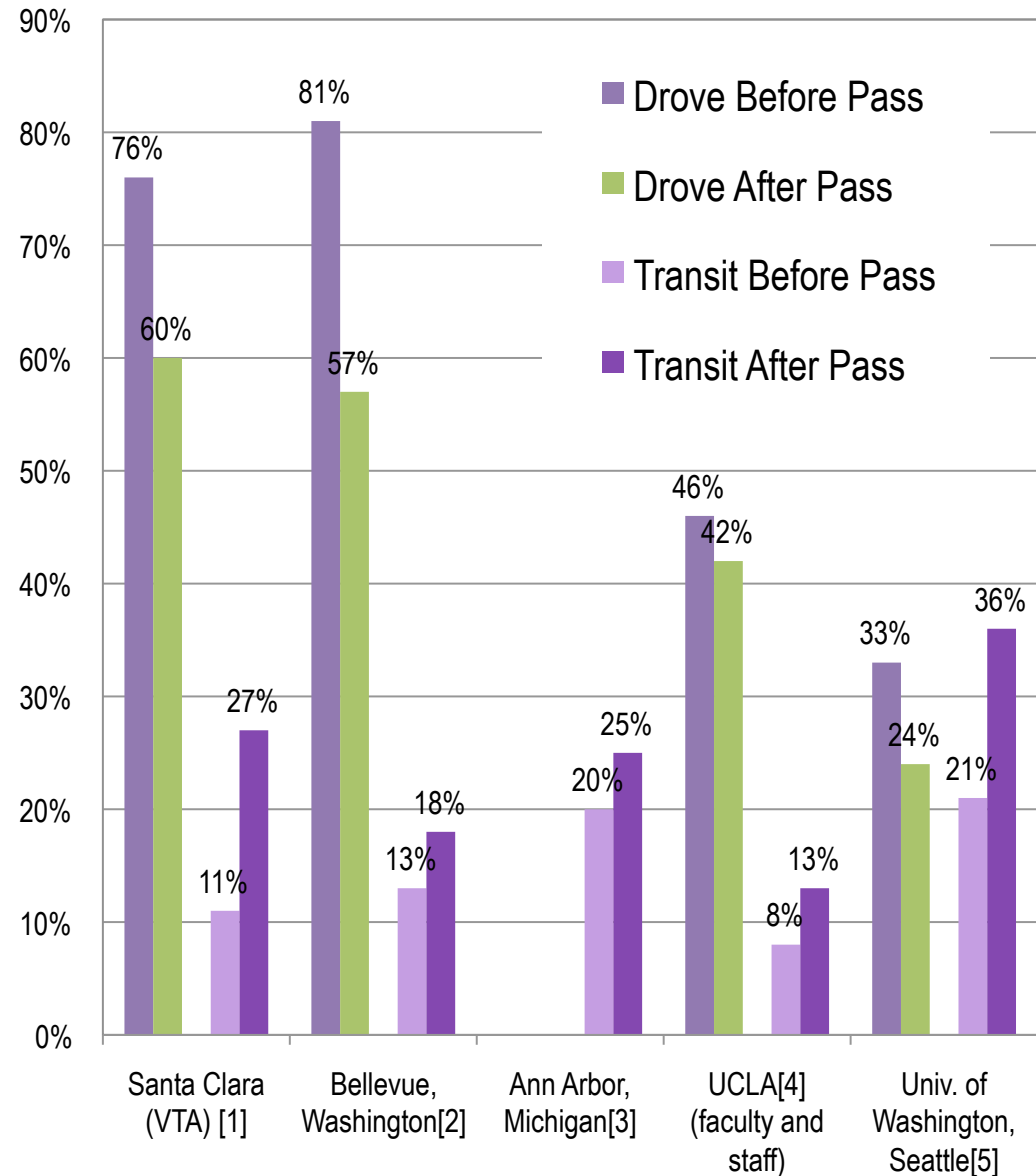


Transit Promotion

Free or reduced passes for students, downtown workers, or other employees

Transit benefits (pre-tax income)

Ride coaching



Transit Promotion cont.

Promotional activities associated
with clean air challenges or
festivals/ holidays

Shuttles or Park and Ride
facilities



Bicycle Support

Comfortable systems

Supportive bicycle facilities
(racks, lockers, showers)

Bike share

Bike stations

Bike benefits (pre-tax)

Good site design

Bike-buddy systems to help
novice riders find routes

Accommodate the WHOLE trip
(travel and parking)



Housing Programs

Live near work

Promotion

Real estate matching

Employer assisted
housing

Employer provided
housing



Long-view policies

Arlington County, VA

4 decades of development

Over 16 million square feet of development

8% of the land area produces 33% of the county's income

5% growth in traffic

	Strategies	Land Use Category			
		A	B	C	D
Rideshare Marketing	Information dissemination				
	Distribute/ Display	X	X	X	X
	Employee Surveys	X	X	X	X
	Operate Vanpools		X		X
	Subsidize Vanpools				
	Match State Subsidies			X	X
	Double Match State Subsidies				X
	Backup, Reserve Maintenance Vehicle				X
	Employee Transportation Coordinator				
	Part-Time	**	X	X	
	Full-Time				X
	On-Site Ride Matching				X
	Transit Store or TMA Contribution				
	\$7,970/ Year	**	X		
	\$15,947/ Year			X	
Parking Management	\$23,911/ Year				X
	Locate/ Operate Transit Store				X
	Emergency Ride Home		***	***	X
	Unlimited Reserved Rideshare Parking	X	X	X	X
	Market Rates for SOV Parking	X	X	X	X
	Outsource Parking Management ⁵		X	X	X
	Reserved Vanpool Parking Space	X	X	X	X
	One-Half Market Rate	X		X	
	Free		X		X
	Variable Rate for Carpools (2+ Employees)				
	Market Rate	X			
	One-Half Market Rate		X	X	
	Free				X

	Strategies	Land Use Category			
		A	B	C	D
Transit Programs	Contribute to Employer Bus Shuttle				
	\$7,970/ Year	**	*	*	*
	\$15,947/ Year	***	**	**	**
	\$23,911/ Year		***	***	***
	Operate Employer Bus Shuttle				X
	Fare Media Subsidy				
	25-50 Percent		X		
On-Site Construction	50-75 Percent			X	
	75+ Percent				X
	Bike Lockers, Racks	X	X	X	X
	Shower Facilities	X	X	X	X
	Van Accessible Garage	X	X	X	X
Off-Site Construction	Off-Street Delivery/ Loading	X	X	X	X
	Roadway Improvements	X	X	X	X
	Pedestrian Systems	X	X	X	X
	Direct Metro Connections				
	Existing Knockout Panels	X	X	X	X
Employee Policies	New Connections			X	X
	Intersection Improvements			X	X
	New Facility Construction				X
	New Metrorail Station				X
	Flex Time	X	X	X	X
Monitoring & Compliance ⁶	Telecommuting	X	X	X	X
	Trip Generation Restrictions		X		X
	Transportation Management Organization	X	X	X	X
	Contribution	**	*	*	*
	\$1,000/ Year	***	**	**	**
	\$5,000/ Year		***	***	***
	\$10,000/ Year				X
Monitoring & Compliance ⁶	Performance Guarantees				X
	Zoning Compliance Fines	X	X	X	X
	Contingent Phasing			X	X

A. Development plan is consistent with the General Land Use Plan (FLUP), and no traffic problems are projected related to the development and its surroundings

B. Development plan is consistent with the GL"UP, however, traffic problems are projected related to the development and its surroundings

C. A GLUP amendment is requested for a non-conforming development plan, no traffic problems are projected however

D. A FLP amendment is requested, and traffic problems are projected

Shifting mode

Pop quiz!

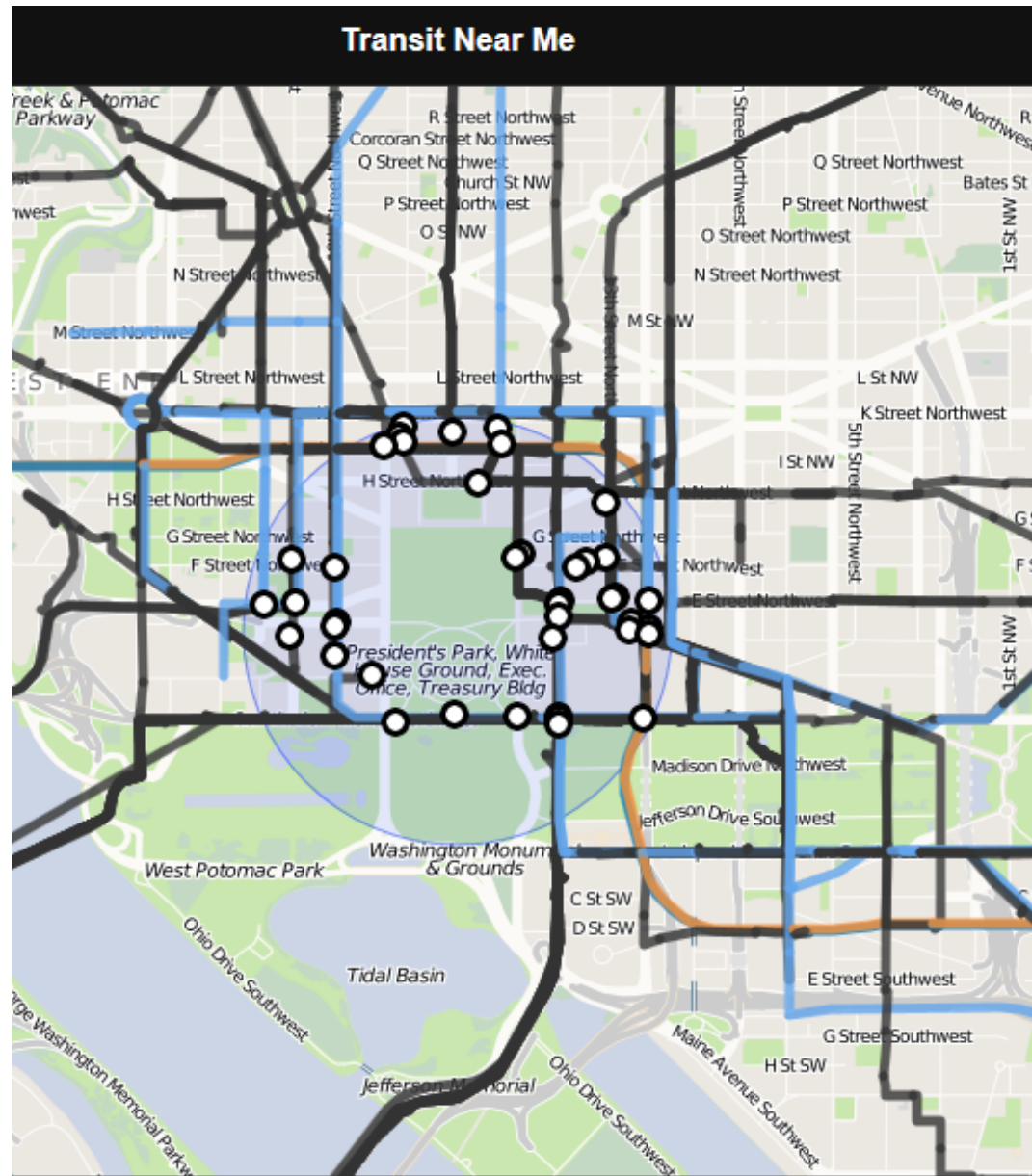
What is the most significant barrier to alternative commuting modes?

Information!

How alternate systems work

Where they go

How to use them



Technology

Online/ App supported
route planning

Real time information -
ubiquitous

Supported ride-matching
services or online forums

Open data access for
innovative apps



Guaranteed Ride Home

Low cost, big impact

Gives travelers confidence
to use other modes

“in case something
happens”

Very rarely called up



Challenges and Events



Bike to Work Day

Car Free Day

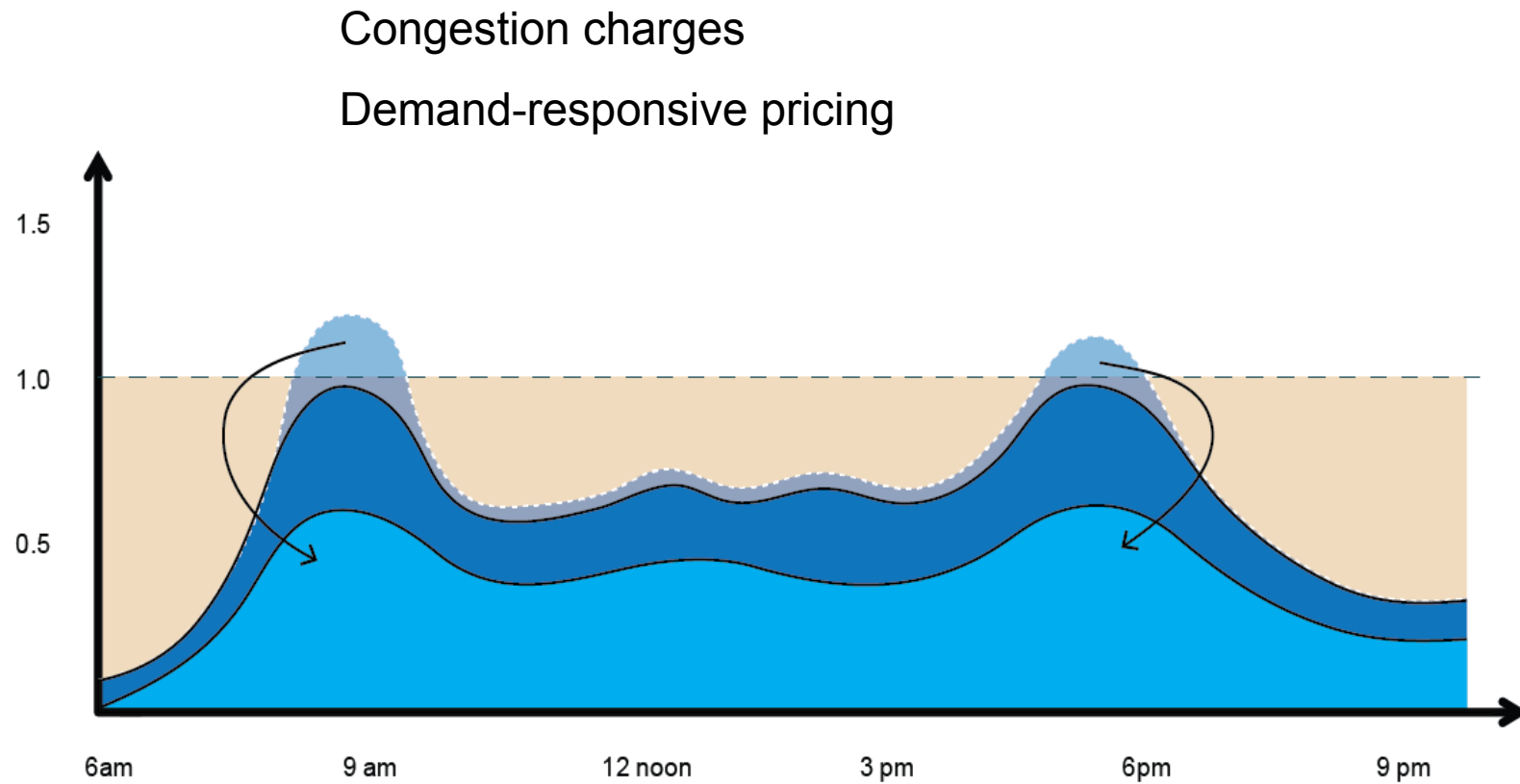
Commuter Challenge



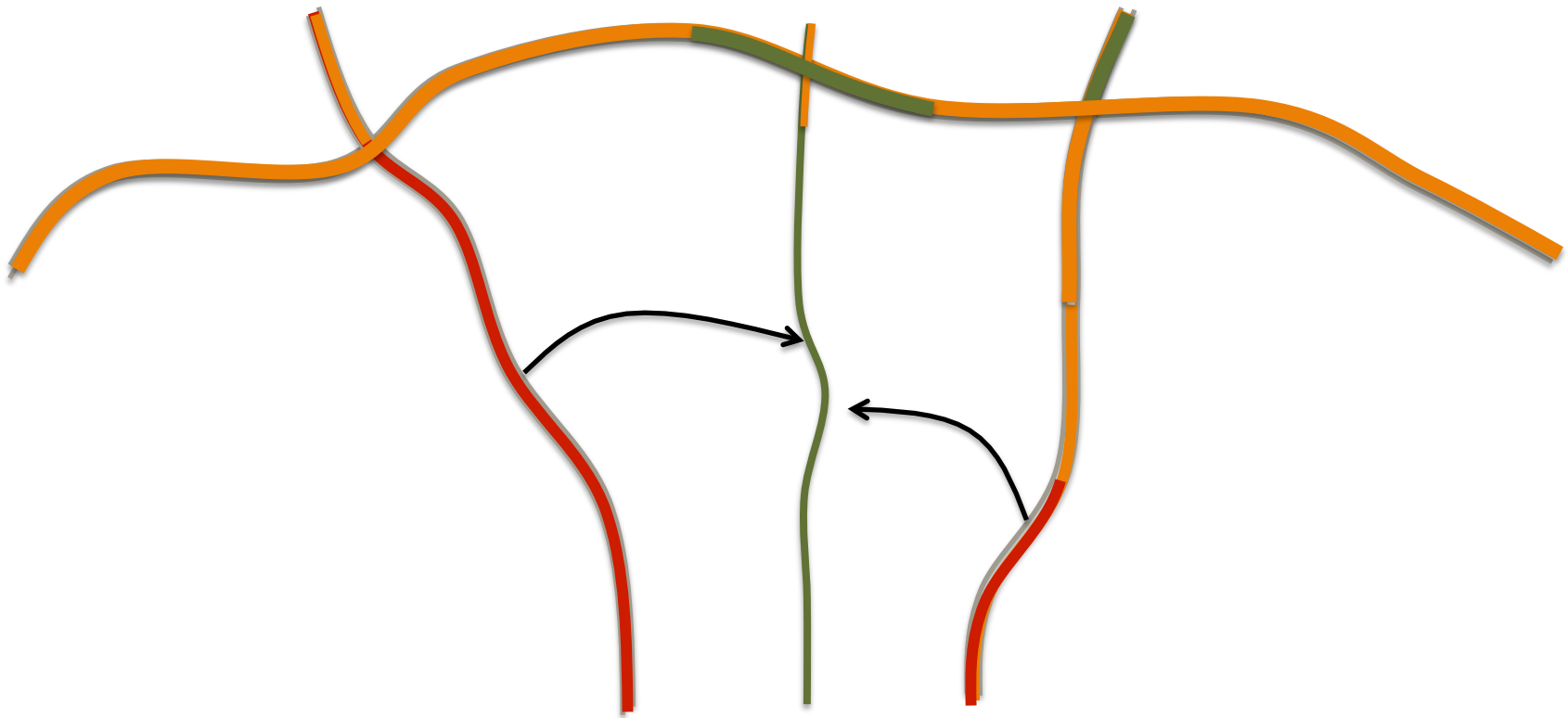
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Option 3: Shift Routes



Option 3: Shift Routes



Strategies for shifting routes

- Tolling
- ITS
- Route planning
- Remote parking and/or variable pricing

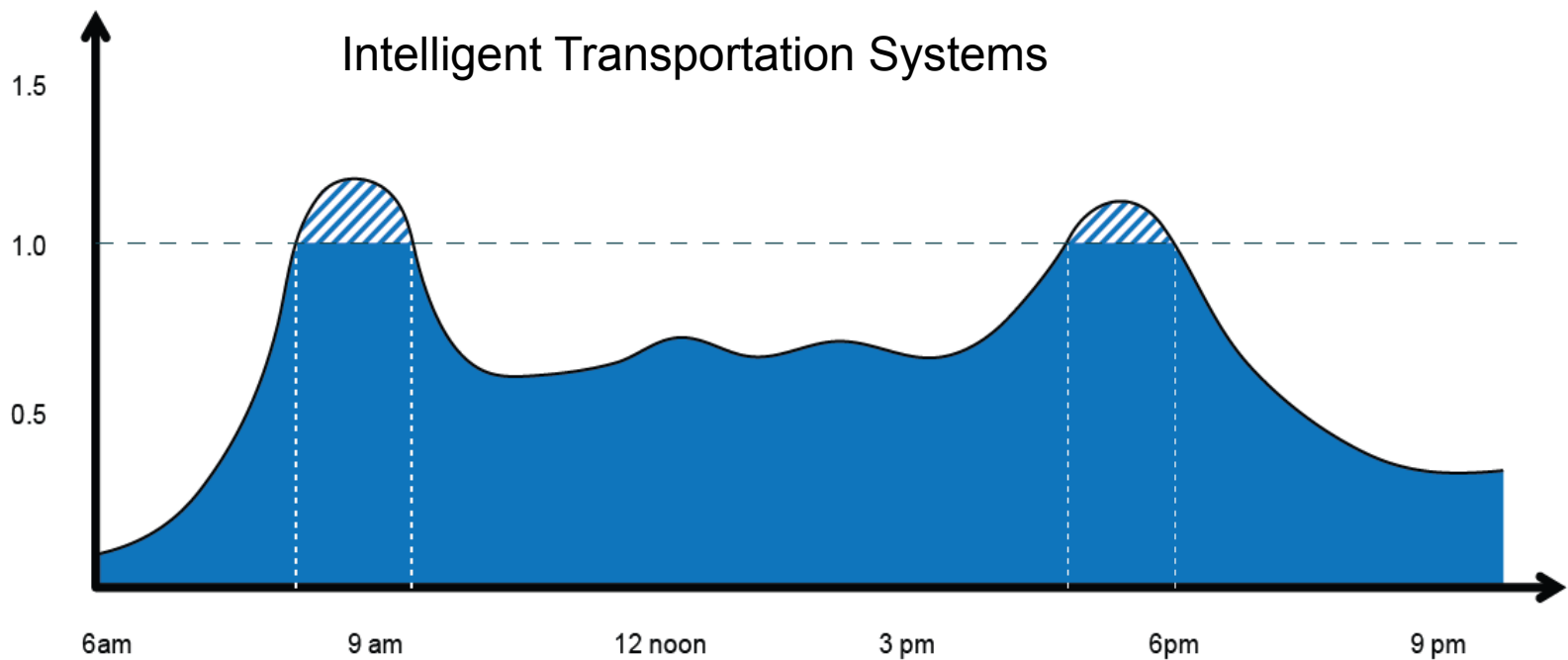


Option 4: Increase Operational Efficiency

Trip not taken

Intelligent Curbside Management Systems

Intelligent Transportation Systems



Telecommuting



Research has shown:

Enhances productivity

Decreases absenteeism

Increases employee morale

Curbside management

- Variable pricing
- Monitoring utilization and occupancy
- Smart meters
 - Smart payment
 - Smart communication



A speedometer with a needle pointing to 10-30%. The needle is white and the background is a light gray. The speedometer has a semi-circular shape with a white border. The needle is pointing to a mark that is labeled '10-30%'.

10-30%

Of traffic congestion in urban areas are cars circling looking for a place to park.

Car Share and TNCs

Autos are parked 90-95% of the time

Shared vehicles reduce necessity of private auto, increase auto availability

Each car share vehicle eliminates demand for 15 private vehicles and each car share member reduces their driving by an average of 50%

Transportation Networking Companies match needs with resources



Photo Credit: Flickr User AFagan

Parking



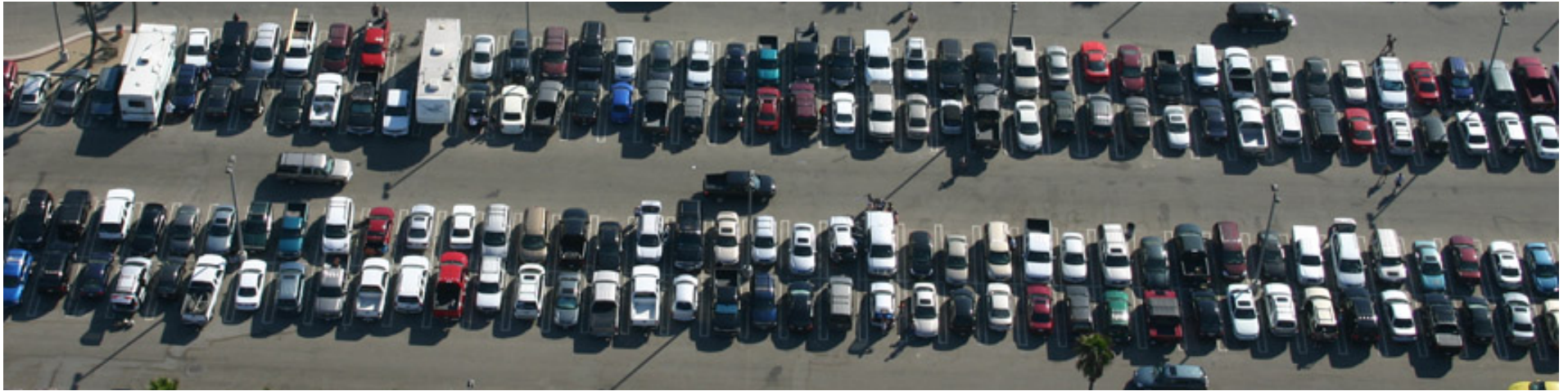
5 to 8

Parking spaces exist for every
1 registered vehicle

Parking is a sunk (and sometimes unrecoverable) cost



Thank you, Don Shoup!



Parking Management

\$20,000/ space construction
@ 5% interest for 20 years

\$31,650/space

\$132/month capital
+ \$ 70/month O&M

**\$200/month/space
to break even**

What would commuters rather have?

- \$200 in “Free” Parking

- \$200



Parking Management

Unbundle parking from leases, contracts or units

Parking cash-out programs

Parking permit reform (buy only what you need)

Demand-based pricing and variable pricing

Tailor parking requirements



TDM Cost Effectiveness v. Alternatives

Strategy	Details	Employee Vehicle Trip Reduction Impact
Parking Charges ¹	Previously Free Parking	20%-30%
Information Alone ²	Information on Available SOV Alternatives	1.4%
Services Alone ³	Ridematching, Shuttles, Guaranteed Ride Home	8.5%
Monetary Incentives Alone ⁴	Subsidies for carpool, vanpool, transit	8-18%
Services + Monetary Incentives ⁵	Example: Transit vouchers and Guaranteed Ride Home	24.5%
Cash Out ⁶	Cash benefit offered in lieu of accepting free parking	17%

Implementation of TDM

- Employers
- Regional bodies (MPOs)
- Transit Authorities
- State programs or support

Quicken Loans®
Engineered to **Amaze®**

COMMUTER CONNECTIONS®
A SMARTER WAY TO WORK

 **TheRide**



BROUGHT
TO YOU BY:



Transportation Management Organizations (or Associations) - TMO

Pooled resources – economies of scale

Organize and disseminate information more broadly

Allow small employers to offer comparable benefits



TDM FOR FREIGHT



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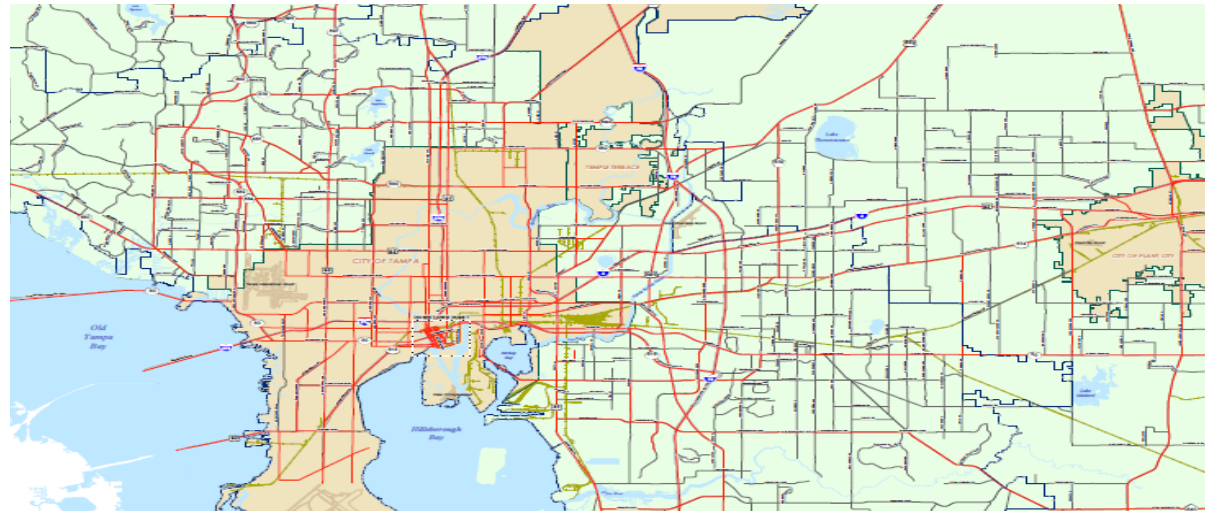
TDM Tools for Freight

- Change route (designate truck routes)
- Change modes (truck or rail)
- Change hours (pick up and delivery)
- Change operations(ITS, facilities, parking)



Change Route

- How: Designated routes
- Benefits:
 - Minimize wear and tear
 - Focus design and maintenance
 - Reduce impacts to residents
 - Separate truck traffic from other users
- Challenges
 - Can have controversy over selection of routes
 - Last mile connections still necessary



Mode Shift

- How
 - Investments in intermodal hubs
 - Protection of rail corridors
 - Rail improvements (CSX National Gateway)
- Benefits
 - Rail is less expensive than truck for long trips
 - Fewer emissions
 - Reduced VMTs and congestion

- Challenges
 - Truck is necessary for last mile
 - Resident resistance to additional train traffic



Time Shift

- How
 - Incentives for off peak deliveries / penalties for peak delivery
 - Education and outreach to receivers
- Benefits
 - Reduce truck congestion, idling and delay and associated costs
 - Reduce shipping costs
 - Improve access to loading zones and docks

- Challenges
 - Residents may resist nighttime deliveries
 - For small business, can be a challenge
 - Need to change distribution center hours in response



Change Operations

- ITS
 - Routing information
 - Real time congestion and bottlenecks
 - Smart dock management and scheduling
- Freight villages
 - Protected area for industrial activity
 - Can enable “trailer drops” reducing trips
 - Can redistribute from larger trucks to smaller.
- Parking and curbside management
 - Adequate loading zones
 - Better locations
 - Longer/appropriately sized
 - Metered for turn-over
 - Enforcement



Photo Credit: Flickr User Kevin Jaako

Freight TDM Strategies

TDM Strategy	External Costs					Private Costs		Difficulty to Implement
	Congestion	Health	Safety	Noise	Livability	Shipper & Receiver Costs	Carrier Costs	
Anti-idling Policies	0	+	0	+	+	0	+	Low
Designation of Truck Routes	+	+	+	+	+	+	~	Medium
Modal Shift	~	~	~	~	~	~	~	High
Off-Peak Pickup and Delivery	+	+	+	-	~	~	+	Medium
Restrictions on Nighttime Delivery	-	-	~	+	~	~	-	Medium
ITS Solutions	+	+	0	0	+	+	+	Low
Land Use Strategies	+	+	+	+	+	+	+	Medium / High
Parking Policies	+	+	+	+	+	+	+	Low
Planning Information Strategies	+	+	+	+	+	+	+	Low

Beneficial Impact	+	Detrimental Impact	-	No Impact	0	Dependent upon other variables	~
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EXERCISE

- **Which tool(s) could have the greatest effect at a reasonable cost?**
- **Who must primarily lead (state, region, municipality, or private)? Who are partners?**
- **What is necessary for implementation?**

Tools

- Peak period pricing
- Route selection / encouragement
- Vanpooling or carpooling
- Ridesharing
- Bicycling
- Transit
- Rail and intermodal hubs
- Street grid / network design
- Land use mix
- Parking management
- Information
- Promotions and events
- Technology and apps

Module III

STATE ROLE IN TDM



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How does the state play a role in TDM?

Funding

Policies

Project Design

Access Approval

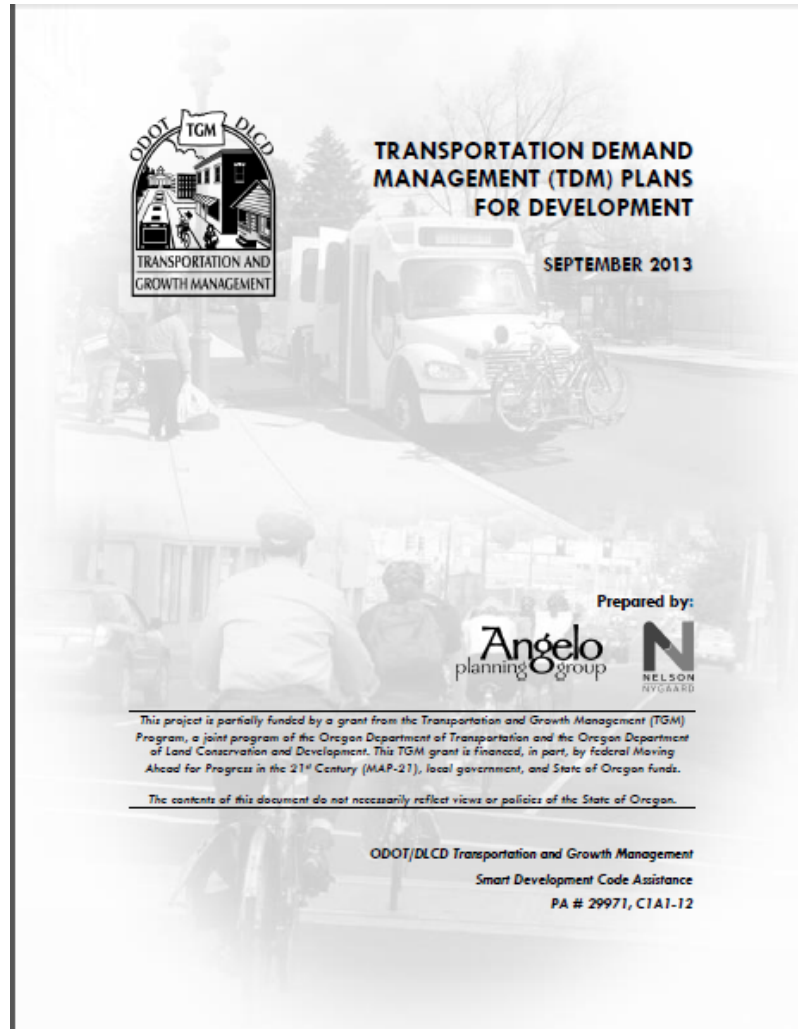
Capital Construction

Technology

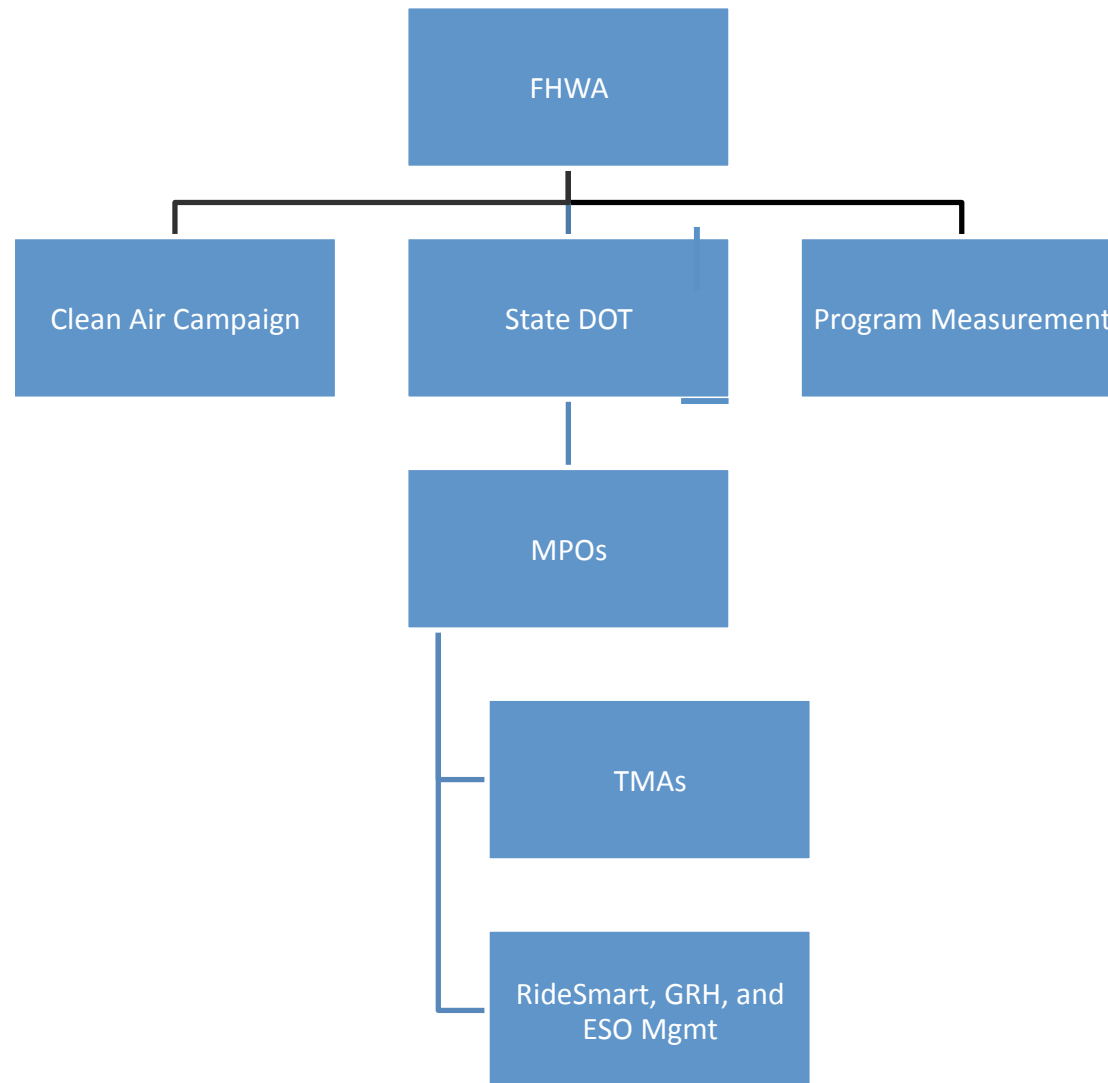
Transit Coordination

Modal Integration

Marketing/ Messaging



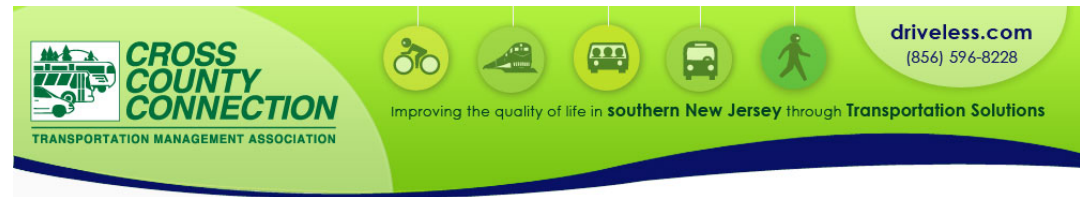
Funding



Funding, Cont.

Statewide Model- New Jersey Transportation Management Associations

Funding passed through to local TMA's whose workplans are approved at the state level



Leverages local knowledge, enables targeted TDM solutions



Pooled resources – economies of scale

More hands-on assistance for local employers/program



Policies

Policy	Example
Modal targets	Increase bicycle commute share to 3%, transit to 15% etc.
CO2 Emissions Reductions	Reduce transportation-related emissions by 15% below year 2000 levels
Accessibility Targets	% of people living within proximity to transit, necessary goods and services
TO integration into planning and construction	Model effect of TO when planning. Inclusion of set-aside funds for TO during large projects with travel disruption

Florida Policies

Florida Transportation Vision for 2060 Goals:

- Economic competitiveness
- Community livability
- Environmental Leadership
- Safety and Security
- Maintenance and Operations
- Mobility and Connectivity

Potential Indicators:

- Number of counties participating in development and implementation of regional visions
- Community polling on livability issues including satisfaction with public transportation and other mobility options
- Combined cost of housing and transportation as percentage of household income
- Travel time
- Walkability indicator

Project Design

Model effect of investment in TDM during alternatives analysis for large projects

EX: I-235 in Iowa

Alternative 1: TDM Investments (new TMA downtown) with IT infrastructure (ramp metering) and capacity improvements

Alternative 2: Significant additional capacity (including taking residences for needed ROW to accommodate)



Access Approval

Institute access management plans to corridors built to capacity

Create policies requiring access management for roads facing reconstruction, or when parcels redevelop



Capital Construction

Incorporate TDM programs and funding into construction budgets to alleviate impact on commuters

EX: S.R. 826 (Palmetto Expressway) and SR 836 (Dolphin Expressway)



Transit Coordination

IGAs and joint agreements for coordinated service planning

Regional fare & transfer policies



Modal Integration

Transit Hubs:

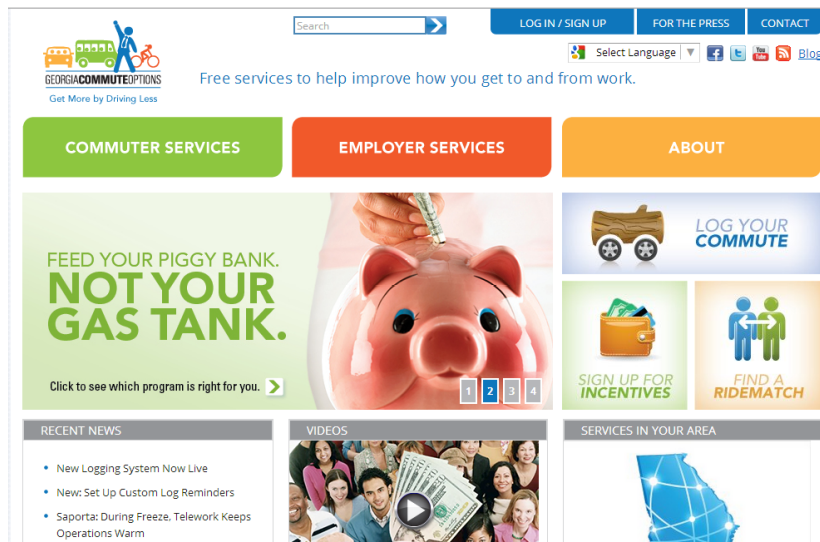
- Where transit, bike facilities, pedestrian-oriented infrastructure, car share and other modes align



Source: <http://ccc-consult.objective.com>

Marketing and Messaging

- Websites
- Print media
- Web ads (Pandora, Hulu, etc)
- Radio
- TV ads

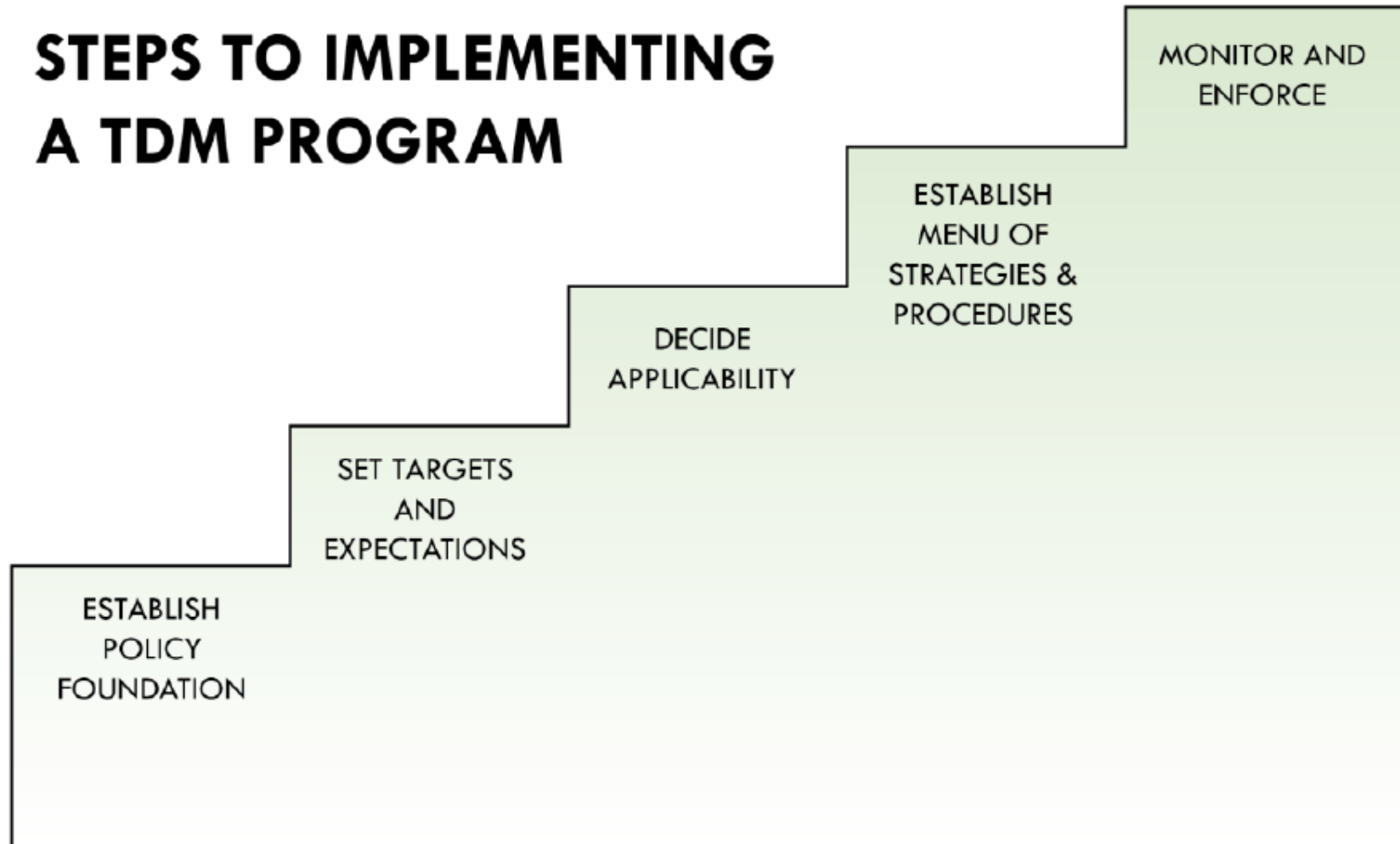


Most common TDM activities encouraged by state DOTs

• Bicycling	95%
• Carpooling	88%
• Promotion of Transit Use	83%
• Walking	80%
• Vanpooling	80%
• Ridematching	68%
• Telecommuting	49%
• TDM Marketing	49%
• Employer-based	
• Outreach/ Programs	46%
• Special Events Planning	41%
• Commuter Incentives	44%
• HOV Lanes/ Priority	44%
• Transit-oriented Dev't	39%
• Trip Chaining	22%
• Congestion/ Road Pricing	12%
• Parking Pricing/ Mgmt	7%
• Pay-As-You-Drive Insurance	2%

Implementing TDM

STEPS TO IMPLEMENTING A TDM PROGRAM





Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE C. KOPELOUSOS
SECRETARY

Implementing TDM FDOT Policy

POLICY

Effective: September 20, 2007
Office: Transit
Topic No.: 000-725-050-h

References: s.341.041, F.S.;

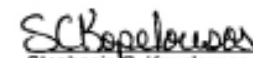
The purpose of this policy is to ensure that the Florida Department of Transportation (Department) considers transportation demand management (TDM) strategies in all studies, plans, programs, functional areas, and in employee benefit programs.

TRANSPORTATION DEMAND MANAGEMENT STRATEGIES

The purpose of this policy is to ensure that the Florida Department of Transportation (Department) considers transportation demand management (TDM) strategies in all studies, plans, programs, functional areas, and in employee benefit programs. TDM is defined as a set of specific strategies that promote increased efficiency of the transportation systems and resources by promoting and providing a range of local or regional travel-related choices to influence individual travel behavior by mode, time, frequency, trip length, cost, or route.

The Department recognizes the benefits of TDM strategies in enhancing the mobility of Florida's residents and visitors and will consider TDM strategies in all appropriate studies, plans, programs, and functional areas. The Department will demonstrate its commitment to TDM by serving as modal employer for public and private business as allowed by law and as provided for in the *Telecommuting Program Procedure (No. 250-000-050)* and in the *Non-Standard Work Schedule Approval Procedure (No. 250-010-003)*, and in other programs as approved.

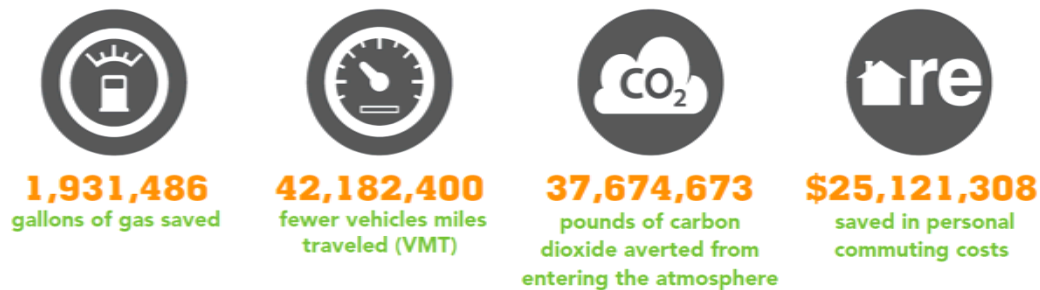
In addition, the Department will encourage and promote single occupancy vehicle trip reduction programs at the local and regional levels, through the guidance and direction provided in the *Commuter Assistance Program Procedure (No. 725-030-008)* and in conjunction with other strategies and activities including Metropolitan Planning Organizations transportation plans and studies, Local Government Comprehensive Plans, locally prepared feasibility studies, and Transit Development Plans.


Stephanie C. Kopelousos
Secretary

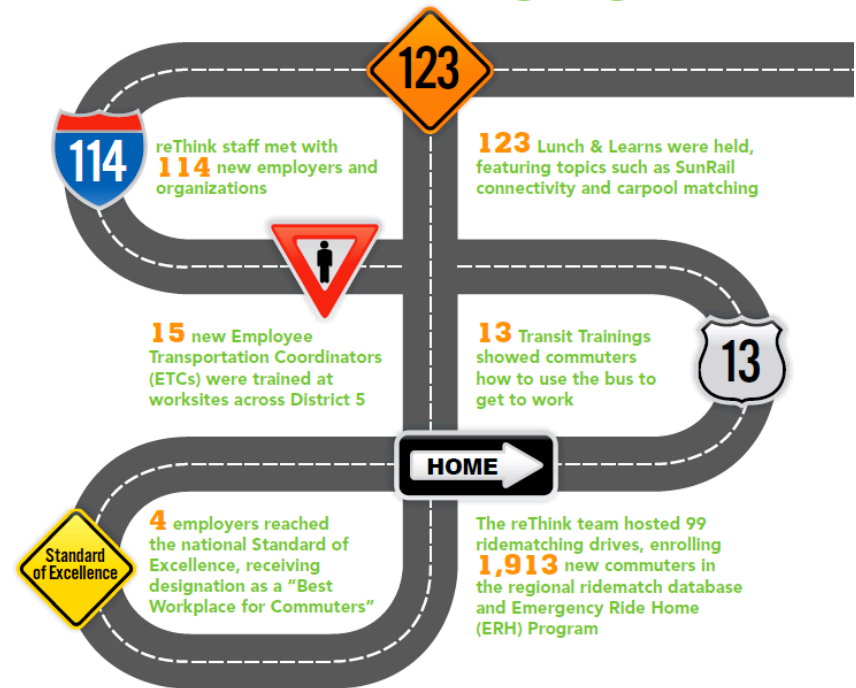


Measuring TDM

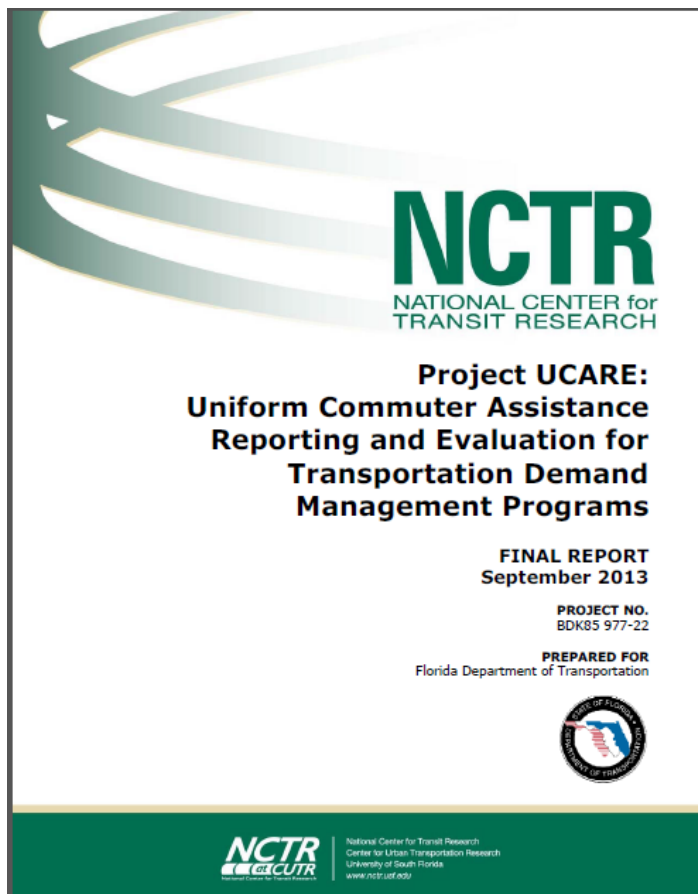
- Challenge: measuring and incorporating impact
- Tracking and recording performance



2012 | 2013 Highlights



Measuring TDM



Smart Growth America
Making Neighborhoods Great Together

Table 11 - Florida CAP Evaluation Results

Performance Measure	Results	
Vehicle miles of travel reduced*	28,289,200	Miles
Vehicle trips reduced*	847,800	Trips
Percent of Drive-alone Customers Switching to a Commute Alternative (the most restrictive definition)	3% to 16%	Net values of customers
Percent of Drive-alone Customers Switching to a Commute Alternative (a more generous definition)	13% to 35%	Gross values for all customers influenced by program
Annual current carpool and vanpool person miles of travel*	35,152,948	Person Miles
Annual current carpool and vanpool person trips*	1,145,385	Person Trips
Customer Round-Trip Commutes Avoided By Use of Telework	601,061	Trips
Customer Round-Trip Commutes Avoided By Use of Alternative Work Schedules	721,537	Trips
Gasoline consumption reduced*	1,243,400	gallons
Carbon Dioxide*	11,050	Metric tons
Carbon Footprint (CO2 Equivalent)*	11,390	Metric tons
Cost Savings to Commuters * (saving based on only fuel, tire, maintenance and reduced depreciation costs)	\$9,847,000	Per year
Customer Satisfaction (1 = Not At All Satisfied and 10 = Very Satisfied)	5.6 to 7.2	
Customer Satisfaction – Would Recommend	Depending on the CAP: 54 to 84 percent would definitely or probably recommend	
Share of customers receiving names of potential ridematches who contacted others	37%	
Share of customers receiving names to pool and contacted other who actually formed a pool	45%	
Overall share of customers who were successful in forming a pool with assistance of CAP	8%	

DISCUSSION

- Which plans, policies and guiding documents relate to TDM?
- How is TDM incorporated into FDOT project planning, design and development?
- How can the state implement or support TDM?
- Are there adopted targets for TDM in Florida? Which targets would be appropriate
- How can FDOT contribute to measurement and evaluation of impact? What are appropriate performance measures?



Smart Growth America
Making Neighborhoods Great Together

Multimodal Development and Delivery (M2D2) is a partnership between the Florida Department of Transportation (FDOT) and Smart Growth America to identify modifications to FDOT policies, guidance, manuals, procedures and general practices needed to implement FDOT's Complete Streets policy in order to promote safety, quality of life, and economic development in Florida.

www.smartgrowthamerica.org