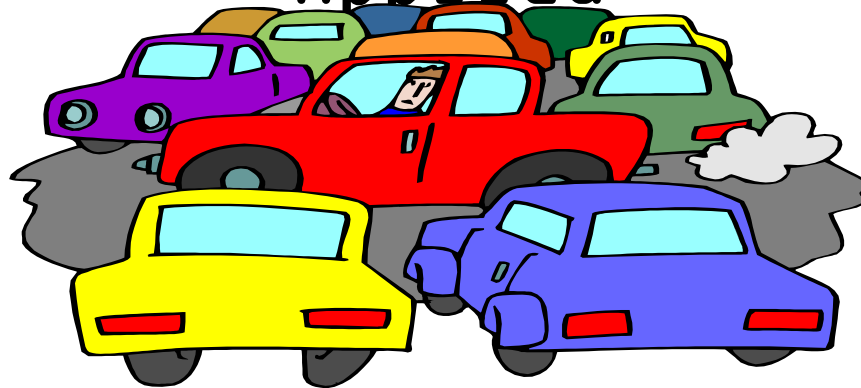


L. A. Metro's Parking Management Program Principles Applied



October 17, 2011

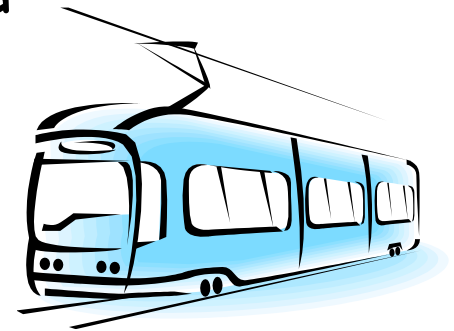
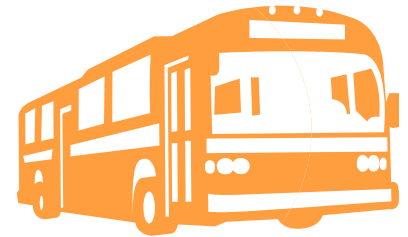
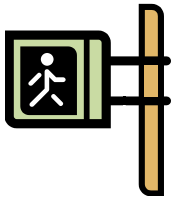
Rail-Volution, Washington D.C.



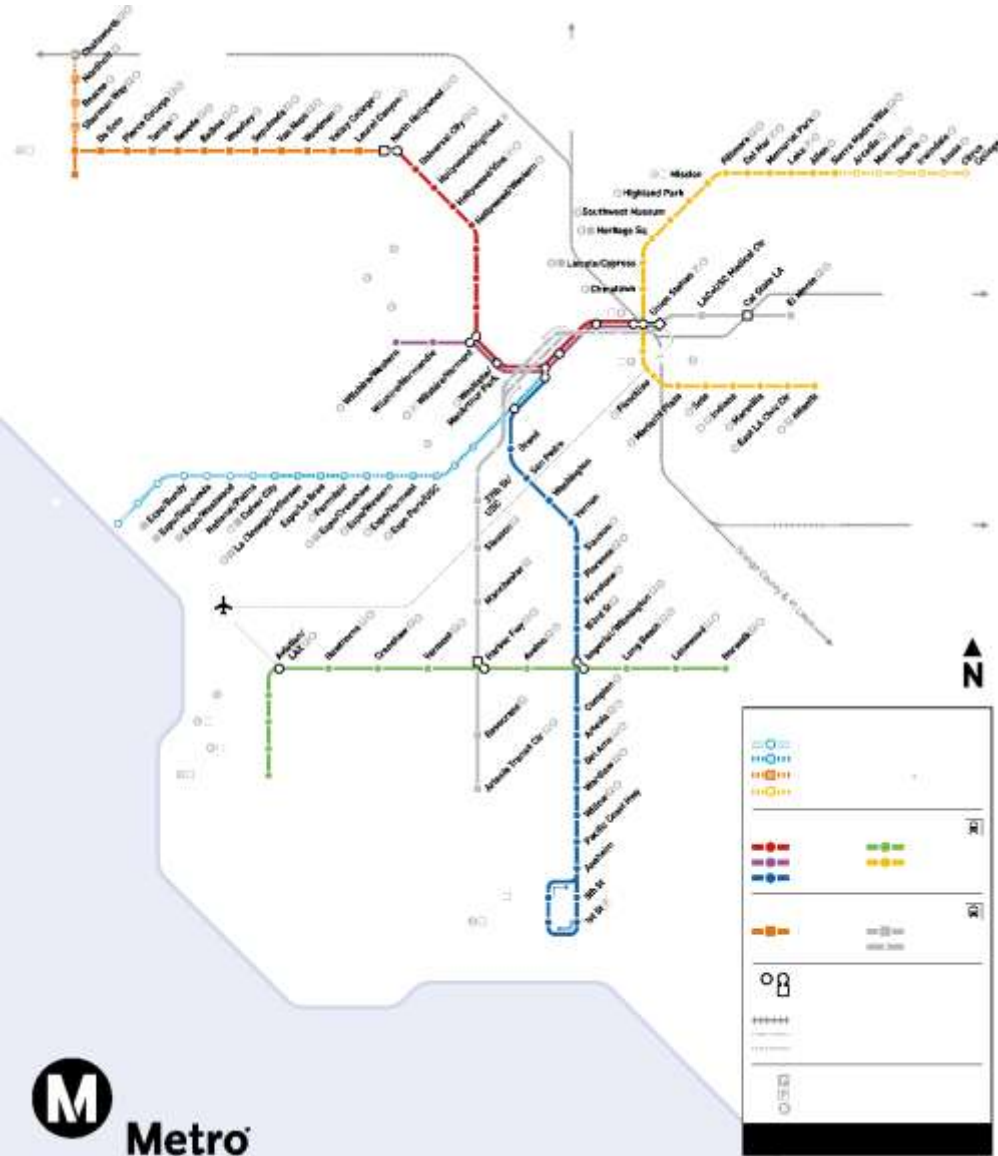
Metro

What is Parking Management?

- Various policies and programs that result in more efficient use of parking resources
- Developing optimal parking management in a particular situation
- Essential component of a transportation system



Parking: Ease of Transit Network Accessibility



Los Angeles County Metro System

Rail

- 79.1 miles of existing rail lines
- 350,000 Average Weekday Boardings

Bus - Orange Line BRT included

- 183 routes
- 1,433 sq mi service area
- 1.1 mil Average Weekday Boardings

Combined Bus & Rail Ridership

Parking Management Principles Applied

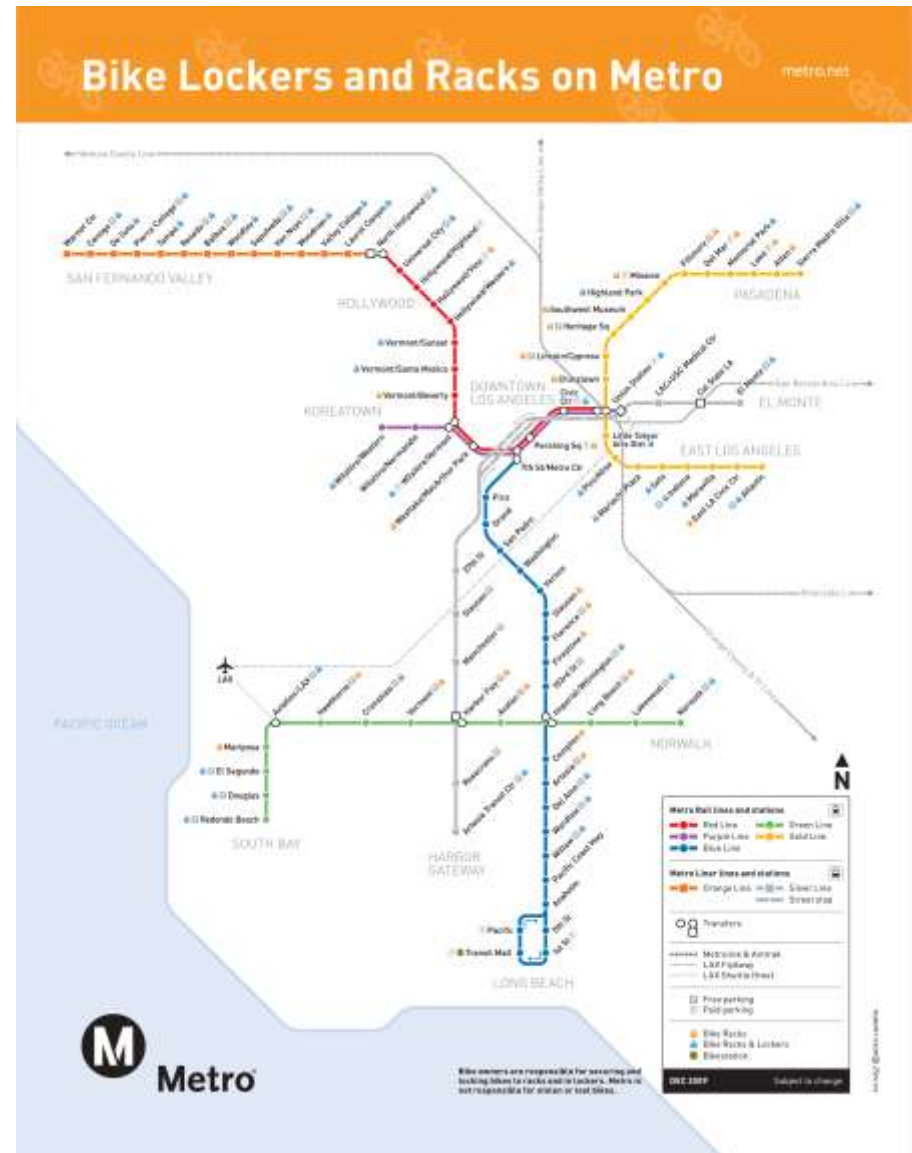
- Guiding planning principles

- Customer Choice
- User Information
- Sharing
- Efficient Utilization
- Flexibility
- Prioritization
- Pricing
- Peak Demand Management
- Quality vs. Quantity
- Comprehensive and Ongoing Analysis

Bikeway Planning and Parking Considerations

Metro funds bicycle routes in Los Angeles County

- Bike Routes 520 miles
- Bike Lanes 481 miles
- Bike Paths 251 miles
- Bike Lockers 526
- Bike Racks All Locations



In Terms of Parking Inventory

- Metro has developed or funded 60,000+ park and ride spaces in Los Angeles County
- Operates approximately 20,000 parking spaces near transit facilities
- ...and growing...Inventory Increasing in 2011-2013



Metro Parking Management

- 43 Stations with parking amenities
- Over 16,000 free parking spaces
- Reserved Paid Parking Program (R3P) at 8 Metro stations w/ 431 R3P spaces
- 3,000 paid parking spaces at Union Station
- Shared Parking

(Lake Ave, Fillmore, Mission, Del Mar



MADE TO COME

Parking Challenges

- Parking demand approaching or exceeding capacity at many key transit stations
- Designing Mobility and Accessibility improvements for existing stations & for future station locations for all modes
- Improving information for users to access transit stations & parking
- Using existing parking resources more efficiently



Parking Management Strategies

- Reduced development costs
- More compact, multi-modal community planning
- Encourage use of alternative modes
- Improved user options
- Improved Design flexibility
- Ability to accommodate new uses
- Environmental and Aesthetic benefits

PARKING MANAGEMENT:

M THE BEST SOLUTION TO PARKING PROBLEMS
Metro

Increasing Options...Increasing Efficiency

- Increase /Decrease

Parking Supply

- Off-street

- Expand shared parking program
- Install mechanical systems
- Buy or lease land to build more parking
- Integrate transit parking in joint development projects

- On-Street



Metro

- Explore opportunities for lifting parking



Metro L.A. Plans for the Future

Parking Task Force

- Ethics
- Planning - County Wide
- Bicycle Station Design & Parking
- Joint Development
- Operations
- Engineering
- Maintenance
- Safety / Enforcement
- Marketing & Design



GOAL:

Parking Management
Program Development,
Implementation &
Enforcement

Parking Enhancements

- Enhance parking and access information for users
 - Website, signage, brochures, maps...Concise, Consistent, & Capturing
 - Station parking availability
 - Alternative off-site parking locations
 - Coordinated way-finding system

Improving Efficiency...

- **Improve efficiency of existing parking resources**
 - Install innovative parking technology
 - Device to count cars and monitor demand
 - Electronic signage/parking space availability
 - Web and wireless real time parking information
 - Increase parking enforcement
 - License Plate Recognition - LPR

Safety & Enforcement

- Los Angeles Metro Protective Services
 - Transit Security
 - L. A. County Sheriffs
 - California Highway Patrol

Citation at Stations Owned By Others (Caltrans)

Common Citation Issued include but are not limited to...

- 15.20.070: Failure to obey signs/markings
- 22507.8 (a): *CVC - No parking without handicapped placard
- 22514: *CVC - Fire Hydrant - No parking on crosshatch

Technology Implementation

- **License Plate Recognition**
 - **Safety / Enforcement**
 - **Notifying law enforcement of vehicles on the Terrorist Early Warning Group's Watch List as well as any noteworthy vehicles, as designated by any government entity**



Metro's License Plate Recognition

- Decrease the threat of terrorism within the entire regional public transportation system.

- Enhance law enforcements response giving immediate notification when a vehicle on the terrorist watch list enters a monitored parking lot or

- Establish criteria unique to a single parking lot or structure or for multi location specific parking pattern behaviors and alert the security monitoring center when a pattern is broken or unusual parking habits are detected

Parking Management Benefits for All

- **Supports transit**
- **Facility Cost Savings**
- **Improved quality of service**
- **More flexible facilities locations and designs**
- **Revenue generation**
- **Reduces land consumption**
- **Supports mobility management**
- **Supports Smart Growth**
- **Improved walkability**
- **Reduced storm water management costs**
- **Supports equity objectives**
- **More livable communities**

Thank You for Your Participation!

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