PUBLIC MEETING
November 29, 2016
Malibu City Hall

PCH Parking Study
Tonight’s Agenda

- Presentation (6:30-7pm)
  - Study goals
  - Existing parking conditions
  - Collision analysis
  - Parking improvement concepts
- Break-out session (7-8pm)
- Wrap up and next steps (8-8:30pm)
Study Goals

• Promote improved safety and mobility for all modes of travel along PCH within Malibu
• Prepare an inventory of existing parking conditions and parking regulations
• Analyze collisions related to parking
• Develop recommendations to enhance parking where needed for residents, businesses, and the public
• Address requirements of the Local Coastal Program, Caltrans and other stakeholders
Competing Priorities

- City of Malibu
  - Local focus
  - Must balance other local needs
- Caltrans
  - State focus
  - Comply with Highway Design Standards
- Coastal Commission
  - Maximize parking

- Overall goal to work together to improve safety
Potential Recommendations

- No changes without justification
- Modify roadway conditions to improve parking
- Relocate parking to more desirable locations
- Modify parking regulations to reduce likelihood of collisions
Parking Usage on PCH

- Heavy at all times in central Malibu & pier area
- Heavy on ocean side south east of central area
- Heavy near popular businesses
- Variable demand west of central Malibu
  - Heavy near beaches and accesses
  - Heavy near mountain trailheads
  - Light where not close to beaches, trailheads, businesses
Parking Usage on PCH

Parking Demand
- Regularly Used Parking
- Intermittent or Seasonally Used Parking
- Prohibited or Lightly Used Parking

West end

Central Malibu

East end
Field Observations

- Parking is already prohibited in many areas
- Many striped shoulders are too narrow to accommodate parked cars
  - Blocking travel way is illegal but difficult to enforce without signs
Field Observations

- Free on-street parking near beaches fills before paid lots
- High speed travel lanes are adjacent to parking
- Missing and inconsistent parking signs can cause confusion
- Bus Stop prohibition signage is inconsistent

- Parking Collisions
  - Collision with parked vehicles
  - Involved vehicles while parking
  - Impaired line of sight due to parked cars
  - Involved Bicyclists

- 310 total parking-related collisions
  - <13% of all collisions
  - Includes 2 fatalities & 99 injuries

- Pedestrian Considerations
Parking-Related Collisions

- 230 (74%) involved hitting a parked car
- 66 (21%) involved vehicles while parking
- 7 (2%) involved bicyclists
- 4 (2%) were classified as “other”
- 3 (1%) reported obscured sightlines due to parked cars
Collision Locations

- Collision rates higher on east end where parking is more utilized
Collisions Can Occur Anywhere

- Heavy parking areas experience more collisions
- Areas with lightly used parking also experience collisions
  - Often at higher speeds
Safety Benefits of Parking

- Parked cars can shield pedestrians
- Many collisions with parked cars do not result in severe injuries or fatalities
  - Lower speeds
  - Airbags and seat belts
- Speeds may increase if parking is prohibited
Improvement Concepts

- Consider restriping PCH to:
  - Narrow lanes and widen shoulders
  - Increase separation between moving and parked vehicles
  - Improve line of sight for entering motorists
  - Improve line of sight for vehicles leaving parking
  - Provide improved area for pedestrians and bicyclists
Improvement Concepts

- Consider restriping PCH to:
  - Remove parking on the inland side and improve parking on the ocean side
  - Increase separation between moving and parked vehicles
  - Improve line of sight for entering motorists
  - Improve line of sight for vehicles leaving parking
  - Provide improved area for pedestrians and bicyclists
Improvement Concepts

- Consider widening shoulders to improve parking areas:
  - Increase separation between moving and parked vehicles
  - Improve line of sight for entering motorists
  - Improve line of sight for vehicles leaving parking
  - Provide improved area for pedestrians and bicyclists
Improvement Concepts

- Consider posting uniform, clear parking signage
- Consider modifying parking for safety
  - Areas with low parking demand
  - Address line of sight concerns
  - Areas that are too narrow to allow parking
  - Bus stops, where not already posted
  - Other areas, where necessary
- Can loss be replaced at other locations?
North/West of Trancas Canyon

- Low Frequency of Collisions
- Heavy seasonal parking for State/County Beaches
- Surplus width in lanes
- Some narrow shoulders

4.8 miles
8 collisions
50% ocean side*

*Collision data from 2011-2015
Zuma Beach to Pepperdine

- Moderate Frequency of Collisions
- Heavy seasonal parking for State/County Beaches
- Shoulder widening options are limited

8.4 miles
76 collisions
49% ocean side*

*Collision data from 2011-2015
Central/East Malibu

- High Frequency of Collisions (parking & others)
- Heavy parking at all times
- Surplus width in lanes
- Some narrow shoulders

7.4 miles
226 collisions
46% ocean side*

*Collision data from 2011-2015
Next Steps

- Gather Stakeholder and Community Input (2016)
- Draft Recommendations (1/2017)
- Coordinate with Coastal Commission (1-2/2017)
- Present to Public Safety and Public Works Commission (2/2017)
- Present to City Council (4/2017)
Please provide your input

- Where is parking necessary for you?
- Where is parking causing problems for you?
- Please suggest improvements you would like to see

- Please be specific. Your input is important
Improvement Concepts

- Consider restriping to narrow lanes & widen shoulders
  - Increases separation between moving and parked vehicles
  - Improves line of sight for entering motorists
  - Improves line of sight for vehicles leaving parking stalls
  - Provides better space for walkers and bicyclists

- Consider widening shoulder to provide improved parking areas
  - Same benefits as above

- Consider posting uniform, clear parking signage

- Consider modifying parking regulations to eliminate potential collisions
  - Areas with low parking demand
  - Line of sight concerns
  - Other areas

- Consider modifying parking regulations in low demand areas to provide more room in desirable areas (including relocate from inland to ocean side)
Your Input is Critical to this Study!

www.malibucity.org/PCHParkingStudy

Submit comments by December 16, 2016

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