FEATURE CORE INNOVATION AREA (CIA) TEAM PRESENTATION:

CIA TEAM

SAFETY

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ROAD DIETS
New Jersey’s Fatalities and Serious Injuries

- Intersection: 25%
- Road Departure: 45%
- Pedestrian & Bikes: 30%

2016
Intersection and Pedestrian Focus State

2015 Focus States

NJ’s % of Pedestrian Fatalities is 2X National Average
### FHWA’s Proven Safety Countermeasures

<table>
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<tr>
<th>Intersection</th>
<th>Roadway Departure</th>
<th>Pedestrian</th>
<th>Crosscutting Strategies</th>
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</thead>
<tbody>
<tr>
<td>• Left- and Right-Turn Lanes at Two-Stop Controlled Intersections</td>
<td>• Longitudinal Rumble Strips and Stripes along Two-Lane Highways</td>
<td>• Medians and Pedestrian Crossing Islands in Urban and Suburban Areas</td>
<td>• Road Safety Audits</td>
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<tr>
<td>• Backplates with Retroreflective Borders</td>
<td>• Median Barrier</td>
<td>• Pedestrian Hybrid Beacon</td>
<td>• Local Road Safety Plans*</td>
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<td>• Corridor Access Management</td>
<td>• SafetyEdgeSM</td>
<td>• Road Diet</td>
<td>• US Limits*</td>
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<td>• Yellow Change Interval</td>
<td>• Enhanced Delineation and Friction for Horizontal Curves</td>
<td>• Walkways</td>
<td>*new countermeasures or strategies introduced this year</td>
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<td>• Roundabouts</td>
<td>• Roadside Design Improvements at Curves*</td>
<td>• Leading Pedestrian Intervals*</td>
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<td>• Systemic Application of Multiple Low Cost Countermeasures at Stop-Controlled Intersections*</td>
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<td>• Reduced Left-Turn Conflict Intersections*</td>
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What is a Road Diet?

- A transportation planning technique that repositions pavement lines to improve safety and add space for other modes.
- Road Diets reduce lanes to allow room for bike lanes, two-way left-turn lanes, parking, curb extensions, etc.
Road Diets

SAFETY BENEFIT:

4-Lane → 3-Lane
Road Diet Conversions
19-47%
Reduction in total crashes

Source: Evaluation of Lane Reduction "Road Diet" Measures on Crashes, FHWA-HRT-10-053.
EDC-3 Road Diet Implementation (Dec 2016)
Road Diet Locations in New Jersey Since 2011
• Provide understanding of how road diets work and how they improve safety

• Show case studies of implemented projects that provide community safety, economic development, tourism benefits

• Use case study peers to address myths and community concerns

• Provide resources for communities to consider road diets
Thank You

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