SHRP2 Naturalistic Driving Study
Safety Countermeasures from Big Data

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FHWA Office of Safety R&D
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NDS DATA

3,000 + Participants

5.4 Million trips – 30+ million miles

Passenger car, Van, SUV, Pickup

1,465 crashes

1 Million hours continuously recorded video (exposure data)
MAKING PRACTICAL USE OF SHRP2 DATA

8 BAA Projects awarded; 6 projects ‘advanced’ to Phase 2

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<th>Performing Organization</th>
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<td>Speed</td>
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<td>CUBRC</td>
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<td>University of Michigan</td>
<td>Work Zones</td>
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<td>TransAnalytics, Inc.</td>
<td>Vulnerable Road Users</td>
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http://www.pooledfund.org/Details/Study/613

Six State DOTs to date: AL, CT, IA, IL, NV, WA

Three FHWA Offices (Office Safety R&D; Office Operations; Office Planning, Environment &Reality)

> $2M to date; 5 years (Until 2022)

Naturalistic Driving Study
Pooled Fund Program
AI TOOLS FOR ANALYSIS

In-Cab Automated Feature Extraction

External Automated Feature Extraction

NDS Subject Automated Identity Masking