

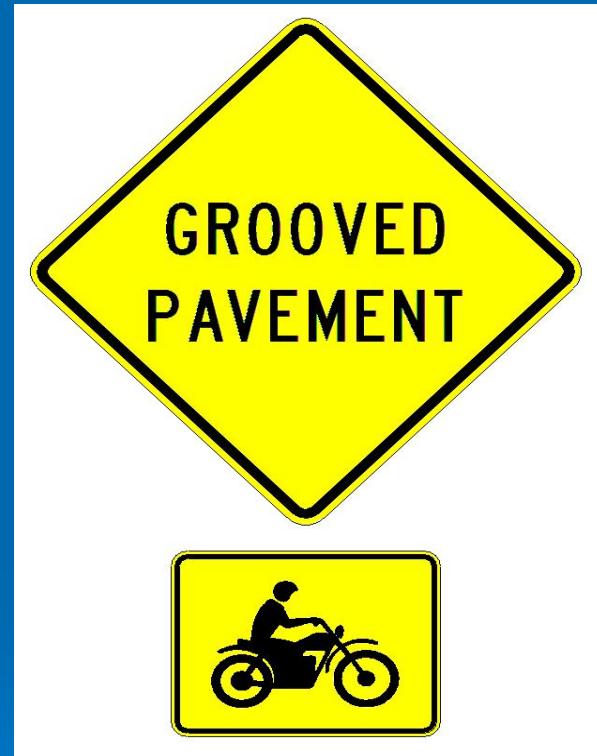
# Motorcycle Symbol Research for the MUTCD NPA

Presentation to the  
Motorcycle Advisory Council  
December 5, 2007

# Designs for 1989 Study



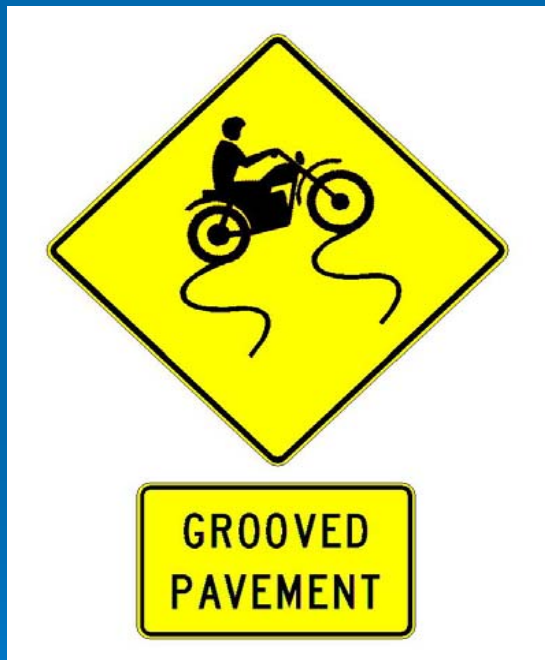
Design 1



Design 2



# Designs for 1989 Study

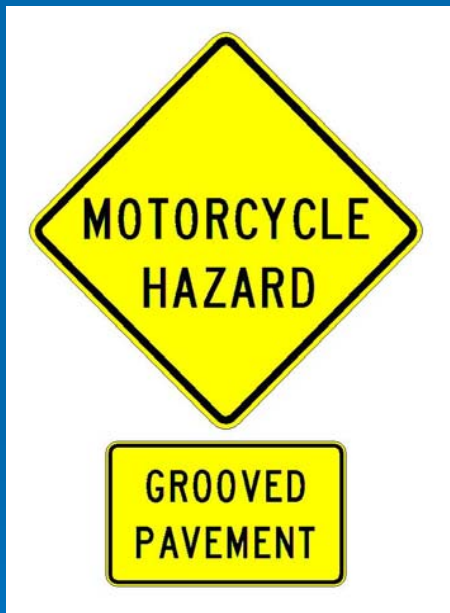


Design 3



Design 4

# These designs from 1989 study tested the best



Design 5



Design 6



Design 7

# Designs for 2007 Study



# Results of 2007 Study

## Motorcycle Warning



	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Mean Legibility Distance	199	204	187	184
Open-Ended Response				
Clearly Understood	36%	40%	48%	36%
Maybe Understood	8%	10%	36%	24%
Not Understood	32%	33%	16%	40%
Meaning				
Wear Helmet for Safety	0%	0%	4%	8%
Motorcycle Warning	84%	81%	87%	75%
Motorcycles Permitted	4%	9%	4%	8%
Watch for Motorcyclists	12%	9%	4%	8%
Motorcycle Parking Ahead	0%	0%	0%	0%
Average Rating	4.99	4.78	5.19	5.42

# Rulemaking Process

Proposed changes are based on:

- Research/Guidelines/Best Practices
- Experimentations and Interim Approvals
- Pooled Fund Studies
- National Committee
- Congressional Direction
- Public Input from Interested Parties



# Process for Changes to the MUTCD

- Notice of Proposed Amendment published in the Federal Register (see link to NPA at <http://mutcd.fhwa.dot.gov>)
- 6-7 month docket comment period is designed to encourage public involvement (see <http://dmses.dot.gov>).



# Next Notice of Proposed Amendment

- Scheduled for publishing by end of 2007.
- Comment period closes in July 2008.
- FHWA reviews all comments submitted.
- Publishing the NPA provides an opportunity for FHWA to gather comments on proposed changes and make informed decisions.



# Final Rule Published March 2009

The final rule process involves:

- analysis and summary of all comments
- develop Federal Register preamble
- develop text and figures for MUTCD
- internal (FHWA) & inter-agency (OMB) approval



# Compliance Dates

- 23 Code of Federal Register (CFR) Part 655 provides States 2 years to adopt changes to the MUTCD.
- FHWA can establish longer compliance dates for some changes.

# Questions?

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