



Executive Committee Meeting

July 21, 2016

Develop ➔ Collaborate ➔ Research ➔ Implement ➔ Sustain.

Mission

***Strategic Implementation Through
Cooperative Pavement Research***

Develop ↪ Collaborate ↪ Research ↪ Implement ↪ Sustain.

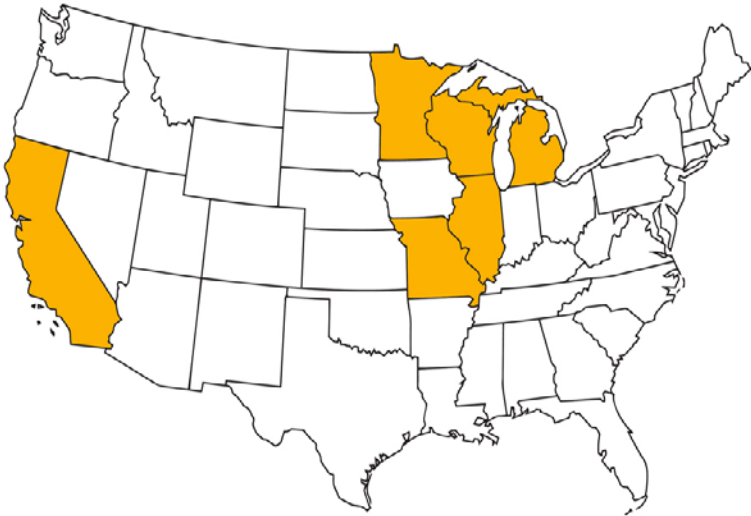
Executive Committee Duties

- Select project teams
- Select projects for Phase 3 at MnROAD
- Set project budgets and timelines
- Insure a collaborative process with all members
- Include training, tech transfer and implementation as a part of each project

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Current Status

Current NRRRA Agency Members



■ Executive Committee

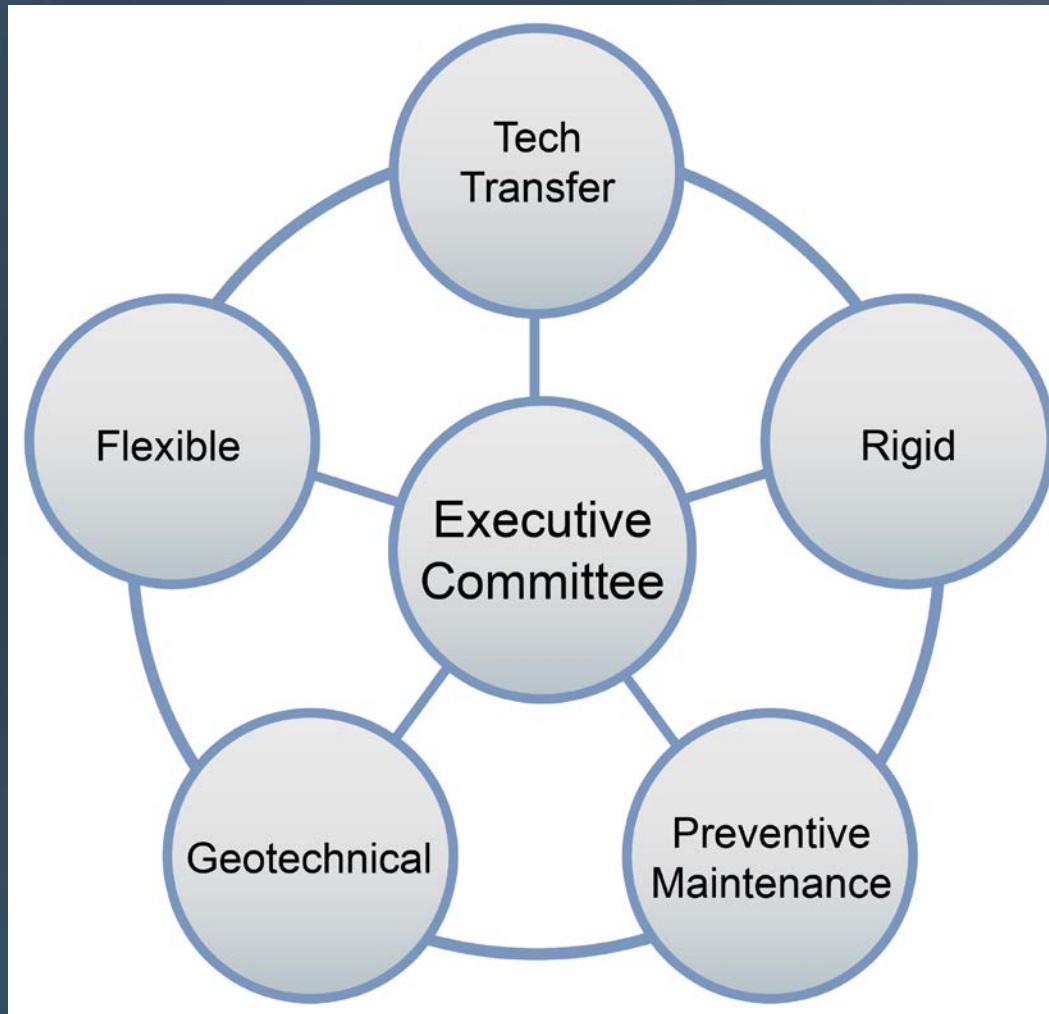
- Caltrans
- Illinois DOT
- Michigan DOT
- Minnesota DOT
- Minnesota LRRB
- Missouri DOT
- Wisconsin DOT
- FHWA (ad hoc member)

Current Status

■ Associate members

- Michigan Tech Transportation Institute
- University of New Hampshire
- MAPA
- Midstate Reclamation
- Aggregate & Ready Mix Association of MN
- Diamond Surface Inc.
- Concrete Paving Association of Minnesota
- Braun Intertec Corporation
- Roadscanners USA Inc.
- Flint Hills Resources, LP
- University of Minnesota - Duluth
- University of Minnesota - Twin Cities
- Minnesota State University Mankato - Center for Transportation Research and Implementation
- Asphalt Pavement Alliance (APA)
- Mathy Construction Co.
- Institute for Transportation at Iowa State University
- International Grooving and Grinding Association
- National Center for Asphalt Technology (NCAT)

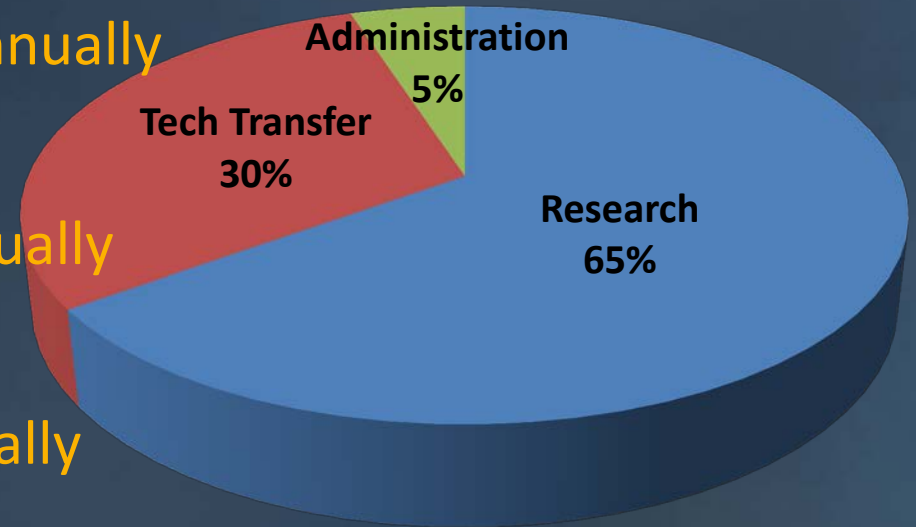
Teams



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Budget

- Given six state involvement and 18 Associate members
 - Research
 - \$1,825,200 or \$608,400 annually
 - Tech Transfer
 - \$842,400 or \$280,800 annually
 - Administration
 - \$140,400 or \$46,800 annually



Administrative Position

- Communication
- Marketing
- Website
- Newsletter
- Membership agreements
- What's next?

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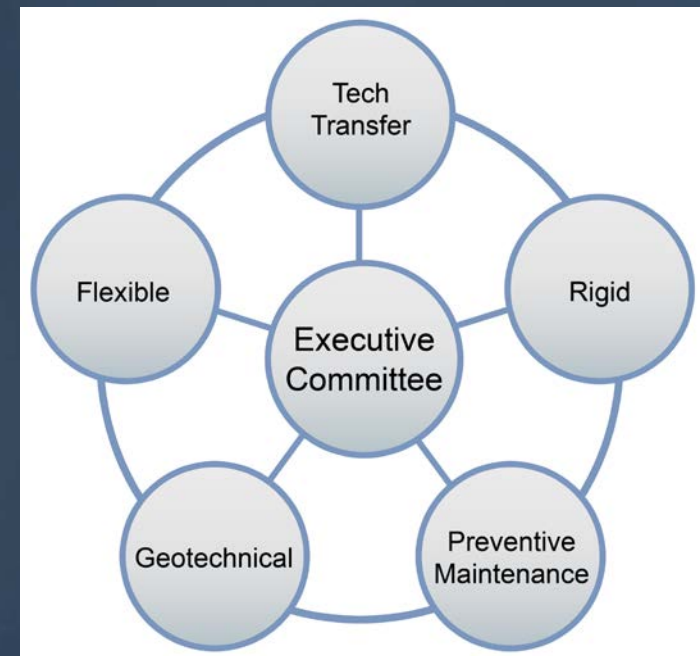
NRRA Pavement Conference

- Date? May or June 2017
- Main Speakers
- Case studies
- Combined meeting of NRRA
- Other Tech transfer opportunities

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Technology Transfer Team

- Steve Krebs (WI - Chair)
- Meeting Observations
 - Approved Budget
 - Tech Transfer Exchange
 - Holding pattern for
 - Tech Transfer Ideas
 - Short Term Analysis
 - Long Term Test Sections



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Technology Transfer Budget

1. EVENTS \$115,000

- Travel for member states to NRRRA sponsored events
- Hosting expenses for NRRRA sponsored events
- Presenter fees for NRRRA sponsored events

2. COMMUNICATION \$40,000

- Written Communication
- Newsletter Development
- Video Development
- Website Development

Technology Transfer Budget

3. RESEARCH IMPLEMENTATION \$160,000

- Short Term Data Analysis – “Mining the Gold”
- Tech Transfer / Implementation Topic Write-Ups
- Specification Development

ASSUMPTIONS

- 4 MnROAD Topics x \$25,000/topic = \$100,000
- 6 Topics x \$10,000/event = \$60,000

4. EQUIPMENT \$25,000

Timelines & Team Meeting Overview

Ben Worel, MnDOT

Overall Team Observations

- Goals / Timelines

Meetings	July (16)	Aug	Sept	Oct	Nov	Dec	Jan (17)	Feb	Mar	Apr	May
Team Meetings	14,28	11,25	8,22	6	TBD	TBD	TBD	TBD			
Executive Committee	21	25	15,25								TBD
Pavement Conf (MN)											TBD

- Observations

- Idea Development

- Tech Transfer
- Short Term Analysis
- Long Term Test Sections
- ~Demonstration Opportunities



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Long Term Test Sections

- MnROAD Test Cell Availability
- Blending of Team Ideas

Long Term MnROAD Test Cells and Research	July (16)	Aug	Sept	Oct	Nov	Dec	Jan (17)	Feb	Mar	Apr	May-Oct
Team Idea Development											
Teams Plan to EC			13								
EC Feedback to Teams			28								
Teams final proposals to MnDOT Designers				15							
Final Design Turn-in						31					
Design											
Letting									24		
2017 Construction											

Flexible Team

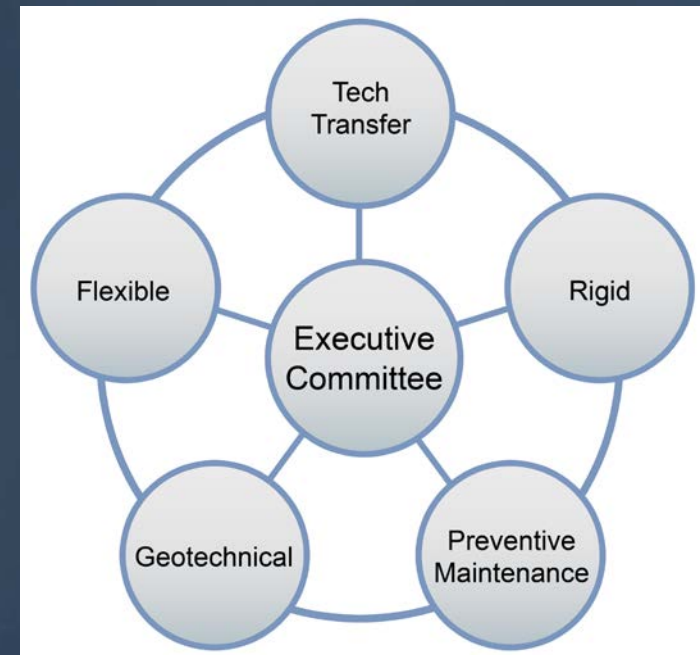
- Barry Paye (WI - Chair)
- Meeting Observations
- Top Ideas
 - Tech Transfer
 - Short Term Analysis
 - Long Term Test Sections



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Rigid Team

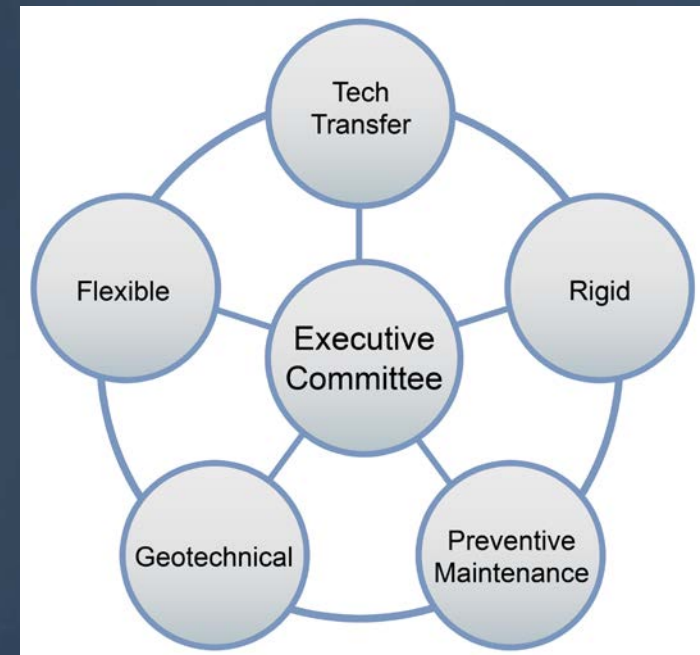
- Brett Trautman (MO - Chair)
- Meeting Observations
- Top Ideas
 - Tech Transfer
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 - Long Term Test Sections



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Rigid Team

- Brett Trautman (MO - Chair)
- Meeting Observations
- Top Ideas
 - Tech Transfer
 - Short Term Analysis
 - Long Term Test Sections



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Geotechnical Team

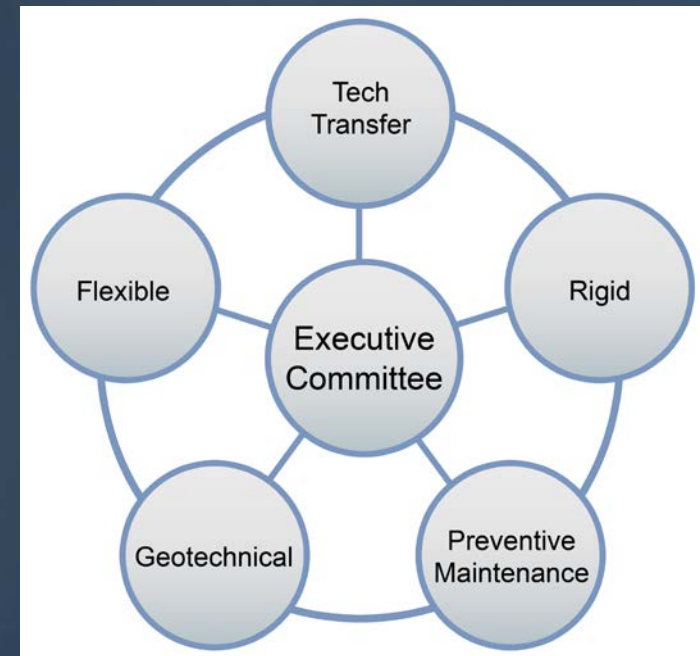
- Terry Beaudry (MN - Chair)
- Meeting Observations
- Top Ideas
 - Tech Transfer
 - Short Term Analysis
 - Long Term Test Sections



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Preventative Maintenance Team

- Jerry Geib (MN - Chair)
- Meeting Observations
- Top Ideas
 - Tech Transfer
 - Short Term Analysis
 - Long Term Test Sections



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Discussion

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Thank You!