Standing Committee on Highways

Technical Meeting—Saturday, May 4, 2013, 8:00 a.m.—Noon, and
Sunday, May 5, 2013, 8:00 a.m.—Noon
Business Meeting—Sunday, May 5, 2013, 1:00 p.m.—5:00 p.m.
STANDING COMMITTEE ON HIGHWAYS (SCOH)
TECHNICAL MEETING AGENDA
Providence Ballroom – Providence, Rhode Island
Saturday, May 4, 2013 8:00AM-12:00 Noon and Sunday, May 5, 2013 8:00 AM-12:00 Noon
Conference Call Number 1-866-299-7945 – Passcode: 4370119#

Saturday, May 4, 2013

8:00 AM – 8:30 AM

I. CALL TO ORDER............................................................................................................. Vice-Chair Paul Degges, TN

II. INTRODUCTIONS – OPENING REMARKS............................................................................................................. P. Degges
   A. New SCOH Chair
   B. SCOH Members, AASHTO Staff, and Rhode Island Room Monitors
   C. Selection of TRAC Judges (up to six)

III. Presentation – Orientation for New SCOH Members............................................................ Marty Vitale, AASHTO

8:30 AM – 10:00 AM

IV. SCOH SUBCOMMITTEE REPORTS AND PROPOSED RESOLUTIONS
   A. OVERVIEW OF AASHTO PRESIDENT’S EMPHASIS AREAS FOR 2013 ......................... Michael Lewis, RI
   B. REPORTS (5 MINUTES EACH)
      1. Bridges and Structures ........................................................................................................................................... Gregg C. Fredrick, WY
      2. Construction .............................................................................................................................................................. Michael Lewis, RI
      3. Design .......................................................................................................................................................................... Barry Schoch, PA
      4. Highway Transport ....................................................................................................................................................... Mark Gottlieb, WI
      5. Maintenance ............................................................................................................................................................... Randy Park, UT, for Carlos Braceras, UT
      6. Materials ....................................................................................................................................................................... Mostafa Jamshidi, NE
         a. Proposed Resolution: DRAFT TITLE: Transportation Curriculum Coordination Council
      7. Right-of-Way, Utilities, and Outdoor Advertising Control ...................................................................................... Mark Van Port Fleet, MI
         a. Update on Buy America ........................................................................................................................... Mark Van Port Fleet, MI
      8. Systems Operations and Management ..................................................................................................................... Gummada Murthy, AASHTO, for Don Hunt, CO
         a. Proposed Resolution: DRAFT TITLE: Support for Proposed Operations Center of Excellence
      9. Traffic Engineering ...................................................................................................................................................... Bernie Arseneau, MN
   10. Asset Management .................................................................................................................................................. Ananth Prasad, FL

V. “HOT TOPIC” DISCUSSION (LED BY VICE-CHAIR DEGGES, TN)
   A. Cross-Training Personnel ........................................................................................................................................ Vice-Chair Degges
      Are State DOTs cross-training their personnel? In what areas? Have you gained any efficiencies from cross-training and/or consolidating field revive personnel? What lessons have been learned?

10:00 AM – BREAK

10:15 AM – 12:00 NOON

VI. TRIENNIAL REVIEW OF TECHNICAL SERVICE PROGRAMS ......................................................... Vice-Chair Degges
   A. LRFD Specification Maintenance ......................................................................................................................... Gregg Fredrick, WY
B. Transportation System Preservation (TSP2) ................................................................. John Barton, TX

VII. PROPOSED ADMINISTRATIVE RESOLUTION ON FCC RULE ON 5.9 GHZ SPECTRUM .................. Jim McDonnell, AASHTO

VIII. ROUND TABLE TOPICS (AS TIME ALLOWS) ................................................................. P. Degges, TN

12:00 NOON  ADJOURN PART 1

SUNDAY, MAY 5, 2013

8:30 AM CONVENE SCOH TECHNICAL AGENDA PART 2 ..................................................... Paul Degges, TN

8:30 AM – 10:00 AM

VIII. SHRP2 IMPLEMENTATION TASK FORCE UPDATE ......................................................... Carlos Braceras, UT

IX. MAP-21 REAUTHORIZATION UPDATE ............................................................................... Bud Wright, AASHTO

X. SCOH STRATEGIC PLAN LIAISON UPDATES
   A. Cutting Fatalities in Half by 2030 .................................................................................... Tom Cole, ID
   B. Climate Change ............................................................................................................... Rick Land, CA

XI. ROUND TABLE TOPICS .................................................................................................. P. Degges, TN

10:00 AM – Break

10:15 AM – 11:45 AM

XII. PRESENTATIONS
   A. Domestic Scan 11-01 Best Practices in Privatization of Maintenance Functions .......... Greg Duncan, TN
   B. ARTBA Survey of Deteriorating Bridges ..................................................................... Dr. Alison Black, ARTBA
   C. ASCE Infrastructure Report Card .................................................................................. Rob Victor, ASCE
   D. Update on MAP-21 Performance Measures .................................................................. P. Degges, TN

12:00 NOON  ADJOURN
### Americans with Disabilities Act (ADA)

<table>
<thead>
<tr>
<th>Member</th>
<th>Name:</th>
<th>Topics and Presentations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware</td>
<td>Natalie Barnhart</td>
<td>ADA compliance, how to establish best practices that are appropriate to the scope of the project that also meet legal requirements.</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Scott Christie</td>
<td>ADA – How is FHWA making progress in getting the Board to move away from the vertical building criteria for ADA? This single issue is causing our paving costs to skyrocket.</td>
</tr>
</tbody>
</table>

### Contracting

<table>
<thead>
<tr>
<th>Member</th>
<th>Name:</th>
<th>Topics and Presentations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Louisiana</td>
<td>Richard Savoie</td>
<td>Bidding Alternate pavement types with the new FHWA directive</td>
</tr>
<tr>
<td>Kansas</td>
<td>Jerry Younger</td>
<td>Consultant Contracting - QBS</td>
</tr>
<tr>
<td>Kansas</td>
<td>Jerry Younger</td>
<td>Consultant Contracts - overhead rates</td>
</tr>
<tr>
<td>Michigan</td>
<td>Gregory C. Johnson</td>
<td>Use of Alternate Dispute Resolution, How many DOTs are using it to resolve contractor construction claims and what is the level of satisfaction?</td>
</tr>
</tbody>
</table>

### Emergency Management

| Pennsylvania    | Scott Christie      | Is AASHTO looking at how national transportation emergencies are handled and which committee is handling issues related to this?                      |

### Design

| Louisiana       | Richard Savoie      | Use of Practical Design by State DOTs                                                                                                                    |
| Alaska          | Roger Healy          | LED Highway Lighting - Technical Lighting committee status and schedule                                                                                   |

### Construction

<p>| Louisiana       | Richard Savoie      | States experience with Roller Compacted Concrete                                                                                                         |
| Ohio            | James A. Barna      | Epoxy/Non-Epoxy Sealers/Corrosion Inhibitors                                                                                                               |</p>
<table>
<thead>
<tr>
<th>State</th>
<th>Name</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kansas</td>
<td>Jerry Younger</td>
<td>Equipment - Purchasing vs. Renting or lease/buyback</td>
</tr>
<tr>
<td>Arizona</td>
<td>Jennifer Toth</td>
<td>How are states communicating the need for preservation activities?</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(NCHRP Report 742)</td>
</tr>
<tr>
<td>Louisiana</td>
<td>Richard Savoie</td>
<td>How are states dealing with the cost of maintaining Median Cable Barrier?</td>
</tr>
<tr>
<td>Delaware</td>
<td>Natalie Barnhart</td>
<td>Cost saving measures taken either on operating (maintenance) or capital side.</td>
</tr>
<tr>
<td>Ohio</td>
<td>James A. Barna</td>
<td>Performance Measures</td>
</tr>
<tr>
<td>Delaware</td>
<td>Natalie Barnhart</td>
<td>Performance Management -- where states are in the process, any information regarding where FHWA is heading with establishing measures</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Scott Christie</td>
<td>Truck Loads - we continually get lobbied to support increasing truck loads over our roads and bridges. It would be nice to know the current thinking across the county on this.</td>
</tr>
<tr>
<td>Ohio</td>
<td>James A. Barna</td>
<td>ODOT’s TIMS System</td>
</tr>
<tr>
<td>Ohio</td>
<td>James A. Barna</td>
<td>Staff Attrition/Succession Planning</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Terry Gibson</td>
<td>MAP 21 Overview</td>
</tr>
<tr>
<td>All Members</td>
<td>Jim McDonnell</td>
<td>Is the theft of copper and other materials from construction sites and transportation facilities a concern for your member department?</td>
</tr>
</tbody>
</table>
I. Call to Order and Opening Remarks ...............................Vice-Chair Paul Degges, TN

II. Roll Call and Minutes from Pittsburgh, PA, November 16, 2012........Secretary John Baxter, FHWA

III. Call for Agenda Amendments ..........................................................Vice-Chair Degges

CONSENT AGENDA: A single Motion to accept all the items on this Consent Agenda is in order. After such a Motion is made and seconded, any member may remove an item for separate action. The Consent Agenda Motion will then be voted upon for the balance of the reports. After the Consent Agenda Motion for item IV. and V.A. through D. has been acted upon, the items removed will be taken up in order.

IV. Summary of SCOH Ballots from November 2012 to May 2013 (information) ..........Vice-Chair Degges

V. Work Plans (action) ..............................................................................Vice-Chair Degges

A. Future Meetings, Conferences, or Workshops of Interest to SCOH Members (information)

B. Subcommittee
   1. Bridges and Structures ................................................................. Gregg C. Fredrick, WY
   2. Construction .................................................................................Michael P. Lewis, RI
   3. Design ...........................................................................................Barry Schoch, PA
   4. Highway Transport ........................................................................ Mark Gottlieb, WI
   5. Maintenance ...................................................................................Carlos Braceras, UT
   6. Materials ......................................................................................... Mostafa Jamshidi, NE
   7. Right-of-Way, Utilities and Outdoor Advertising Control .........Matthew Delong, MI
   8. Systems Operation and Management ...........................................Don Hunt, CO
   9. Traffic Engineering ........................................................................ Bernie Arseneau, MN

C. Joint Committee
   1. Technology Implementation Group (TIG) .................................Ken Sweeney, ME
   2. AASHTO/ACEC ............................................................................Paul Mattox, WV
   3. SCOP-Asset Management (SCOP/SCOH) .................................Ananth Prasad, FL

D. Special Committee
   1. NTPEP Oversight Committee ....................................................... Dan Grasser, WI
   2. Special Committee on U.S. Route Numbering .......................Ken Sweeney, ME
   3. Special Committee on Wireless Technology .............................William A. Brown, VA

VI. Technical Service Program Reviews (action to continue programs) ...............Vice-Chair Degges

A. LRFD Specification Maintenance
B. Transportation System Preservation (TSP2)

VII. Motions — PROPOSED RESOLUTIONS........................................ Vices-Chair Degges

A. PROPOSED POLICY RESOLUTIONS
   1. DRAFT TITLE: Support for Proposed Operations Center of Excellence........Don Hunt, CO

B. PROPOSED ADMINISTRATIVE RESOLUTIONS
   1. DRAFT TITLE: Transportation Curriculum Coordination Council.........Mostafa Jamshidi, NE
VIII. Reports
A. NCHRP 20-7 .......................................................... Paul Degges, TN, and Chris Jenks, TRB
B. Special Committee on U.S. Route Numbering (action) ........................................ Ken Sweeney, ME
C. Technology Implementation Group (TIG) .................................................................. Ken Sweeney, ME
D. AASHTO/ACEC Joint Committee ........................................................................ Paul Mattox, WV

IX. Presentations
A. Executive Director’s Report .................................................................................. Bud Wright, AASHTO
B. FHWA Activities .................................................................................................. John Baxter, FHWA

X. Updates
A. Transportation Association of Canada, Chief Engineers’ Council Update ............. Greg Johnson, MI
B. Domestic Scanning Programs .............................................................................. Glenn Roberts, NH
C. Standing Committee on Research (SCOR) Update ............................................ Floyd Roehrich, AZ
D. Center for Environmental Excellence ................................................................... Carlos Braceras, UT
E. Special Committee on Transportation Security and Emergency Management (SCOTSEM) ................................................................. Brian Ness, ID
F. TRAC Program .................................................................................................... Julie VanPortfliet, MI

XI. Old Business ...................................................................................................... Vice-Chair Degges

XII. New Business ................................................................................................... Vice-Chair Degges
A. TRAC Awards ..................................................................................................... AASHTO President Mike Lewis, RI

XIII. Adjourn
<table>
<thead>
<tr>
<th>Tennessee Department of Transportation</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vice Chair - Voting</strong></td>
<td></td>
</tr>
<tr>
<td>Paul Degges</td>
<td></td>
</tr>
<tr>
<td>Chief Engineer</td>
<td></td>
</tr>
<tr>
<td>Tennessee Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>505 Deaderick Street James K. Polk Building Suite 700</td>
<td></td>
</tr>
<tr>
<td>Nashville, Tennessee 37243-0339</td>
<td></td>
</tr>
<tr>
<td>615 741-0791; <a href="mailto:paul.degges@tn.gov">paul.degges@tn.gov</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Federal Highway Administration</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Secretary - Non-Voting</strong></td>
<td></td>
</tr>
<tr>
<td>John Baxter</td>
<td></td>
</tr>
<tr>
<td>Associate Administrator for Infrastructure</td>
<td></td>
</tr>
<tr>
<td>Federal Highway Administration</td>
<td></td>
</tr>
<tr>
<td>1200 New Jersey Avenue S.E. Southeast Federal Center Bldg HIF-1</td>
<td></td>
</tr>
<tr>
<td>Washington, Dist of Columbia 20590-0001</td>
<td></td>
</tr>
<tr>
<td>202 366-0370; <a href="mailto:john.baxter@dot.gov">john.baxter@dot.gov</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>American Association of State Highway and Transportation Officials</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Liaison - Non-Voting</strong></td>
<td></td>
</tr>
<tr>
<td>James McDonnell</td>
<td></td>
</tr>
<tr>
<td>Program Director for Engineering</td>
<td></td>
</tr>
<tr>
<td>American Association of State Highway and Transportation Officials</td>
<td></td>
</tr>
<tr>
<td>444 N Capitol St NW Suite 249</td>
<td></td>
</tr>
<tr>
<td>Washington, Dist of Columbia 20001</td>
<td></td>
</tr>
<tr>
<td>202 624-5448; <a href="mailto:jimm@aashto.org">jimm@aashto.org</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Alabama Department of Transportation</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Member - Voting</strong></td>
<td></td>
</tr>
<tr>
<td>Ronald Baldwin</td>
<td></td>
</tr>
<tr>
<td>Chief Engineer</td>
<td></td>
</tr>
<tr>
<td>Alabama Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>1409 Coliseum Boulevard</td>
<td></td>
</tr>
<tr>
<td>Montgomery, Alabama 36110</td>
<td></td>
</tr>
<tr>
<td>334-242-6319; <a href="mailto:baldwinr@dot.state.al.us">baldwinr@dot.state.al.us</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Alaska Department of Transportation and Public Facilities</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Member - Voting</strong></td>
<td></td>
</tr>
<tr>
<td>Roger Healy</td>
<td></td>
</tr>
<tr>
<td>Chief Engineer</td>
<td></td>
</tr>
<tr>
<td>Alaska Department of Transportation and Public Facilities</td>
<td></td>
</tr>
<tr>
<td>P.O. Box 112500</td>
<td></td>
</tr>
<tr>
<td>Juneau, Alaska 99811-2500</td>
<td></td>
</tr>
<tr>
<td>907 465-6958; <a href="mailto:roger.healy@alaska.gov">roger.healy@alaska.gov</a></td>
<td></td>
</tr>
</tbody>
</table>
Arizona Department of Transportation

Member - Voting
Jennifer Toth
State Engineer
Arizona Department of Transportation
206 South 17th Avenue  MD 102A Mail Drop 102A
Phoenix, Arizona  85007-3213
602 712-7391; JToth@azdot.gov

Arkansas State Highway and Transportation Department

Member - Voting
Frank Vozel
Deputy Director and Chief Engineer
Arkansas State Highway and Transportation Department
P.O. Box 2261 10324 Interstate 30 State Highway Building
Little Rock, Arkansas  72203-2261
501 569-2214; frank.vozel@arkansashighways.com

California Department of Transportation

Member - Voting
Karla Sutliff
Deputy Director Project DeliveryChief Engineer
California Department of Transportation
1120 N Street
Sacramento, California  95814
9166544923; karla.sutliff@dot.ca.gov

Colorado Department of Transportation

Member - Voting
Timothy Harris
Chief Engineer
Colorado Department of Transportation
4201 East Arkansas Avenue Suite 262
Denver, Colorado  80222-3406
303 757-9204; timothy.harris@state.co.us

Connecticut Department of Transportation

Member - Voting
Thomas Harley
Chief Engineer
Connecticut Department of Transportation
P.O. Box 317546  2800 Berlin Turnpike
Newington, Connecticut  06131-7546
860 594-2701; Thomas.Harley@ct.gov
Delaware Department of Transportation

*Member - Voting*
Natalie Barnhart
Chief Engineer
Delaware Department of Transportation
P.O. Box 778
Dover, Delaware 19903-0778
302 760-2305; natalie.barnhart@state.de.us

District of Columbia Department of Transportation

*Member - Voting*
Ronaldo Nicholson
Chief Engineer
District of Columbia Department of Transportation
55 M Street N.E.
Washington, Dist of Columbia 20003
202 671-4691; Ronaldo.Nicholson@dc.gov

Florida Department of Transportation

*Member - Voting*
Thomas Byron
Chief Engineer
Florida Department of Transportation
605 Suwannee Street MS 57
Tallahassee, Florida 32399-0450
850 414-5240; Tom.Byron@dot.state.fl.us

Georgia Department of Transportation

*Member - Voting*
Russell McMurry
Director of Engineering
Georgia Department of Transportation
600 West Peachtree Street NW
Atlanta, Georgia 30308-3607
404 631-1519; rmcmurry@dot.ga.gov

Hawaii Department of Transportation

*Member - Voting*
Alvin Takeshita
Interim Highways Administrator
Hawaii Department of Transportation
869 Punchbowl Street Room 513
Honolulu, Hawaii 96813-5097
808 587-2221; alvin.takeshita@hawaii.gov
Idaho Transportation Department
*Member - Voting*
Tom Cole
Chief Engineer
Idaho Transportation Department
P.O. Box 7129
Boise, Idaho 83707-1129
208 334-8802; tom.cole@itd.idaho.gov

Illinois Department of Transportation
*Member - Voting*
Omer Osman
Deputy Director of Highways Region 5 Engineer
Illinois Department of Transportation
2300 South Dirkesen Parkway
Springfield, Illinois 62764
217-782-2151; Omer.Osman@illinois.gov

Indiana Department of Transportation
*Member - Voting*
Mark Miller
Director and Chief Engineer Construction Management and District Support
Indiana Department of Transportation
100 N. Senate Avenue Room N925
Indianapolis, Indiana 46204-2273
317 232-5456; mmiller@indot.in.gov

Iowa Department of Transportation
*Member - Voting*
John Adam
Director Highway Division
Iowa Department of Transportation
800 Lincoln Way
Ames, Iowa 50010-6915
515 239-1124; john.adam@dot.iowa.gov

Kansas Department of Transportation
*Member - Voting*
Jerome Younger
Deputy Secretary and State Transportation Engineer
Kansas Department of Transportation
700 SW Harrison Eisenhower State Office Building
Topeka, Kansas 66603-3754
785 296-3285; jerome@ksdot.org
<table>
<thead>
<tr>
<th>Kentucky Transportation Cabinet</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Member - Voting</strong></td>
<td></td>
</tr>
<tr>
<td>Steve Waddle</td>
<td></td>
</tr>
<tr>
<td>State Highway Engineer</td>
<td></td>
</tr>
<tr>
<td>Kentucky Transportation Cabinet</td>
<td></td>
</tr>
<tr>
<td>200 Mero Street Suite 614 Mail Code E6-S1-00</td>
<td></td>
</tr>
<tr>
<td>Frankfort, Kentucky 40622</td>
<td></td>
</tr>
<tr>
<td>502 564-3730; <a href="mailto:steve.waddle@ky.gov">steve.waddle@ky.gov</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Louisiana Department of Transportation and Development</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Member - Voting</strong></td>
</tr>
<tr>
<td>Richard Savoie</td>
</tr>
<tr>
<td>Chief Engineer</td>
</tr>
<tr>
<td>Louisiana Department of Transportation and Development</td>
</tr>
<tr>
<td>P.O. Box 94245</td>
</tr>
<tr>
<td>Baton Rouge, Louisiana 70804-9245</td>
</tr>
<tr>
<td>225 379-1384; <a href="mailto:Richard.Savoie@la.gov">Richard.Savoie@la.gov</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maine Department of Transportation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Member - Voting</strong></td>
<td></td>
</tr>
<tr>
<td>Kenneth Sweeney</td>
<td></td>
</tr>
<tr>
<td>Chief Engineer</td>
<td></td>
</tr>
<tr>
<td>Maine Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>16 State House Station Transportation Building</td>
<td></td>
</tr>
<tr>
<td>Augusta, Maine 04333-0016</td>
<td></td>
</tr>
<tr>
<td>207 624-3011; <a href="mailto:Ken.Sweeney@maine.gov">Ken.Sweeney@maine.gov</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maryland Department of Transportation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Member - Voting</strong></td>
<td></td>
</tr>
<tr>
<td>Douglas Simmons</td>
<td></td>
</tr>
<tr>
<td>Deputy Admin. and Chief Eng. For Planning Engineering Real Est. Environment</td>
<td></td>
</tr>
<tr>
<td>Maryland Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>707 North Calvert Street Mail Stop C-411</td>
<td></td>
</tr>
<tr>
<td>Baltimore, Maryland 21202</td>
<td></td>
</tr>
<tr>
<td>410 545-0411; <a href="mailto:dsimmons@sha.state.md.us">dsimmons@sha.state.md.us</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Massachusetts Department of Transportation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Member - Voting</strong></td>
<td></td>
</tr>
<tr>
<td>Thomas Broderick</td>
<td></td>
</tr>
<tr>
<td>Chief Engineer</td>
<td></td>
</tr>
<tr>
<td>Massachusetts Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>10 Park Plaza Room 6340</td>
<td></td>
</tr>
<tr>
<td>Boston, Massachusetts 02116-3973</td>
<td></td>
</tr>
<tr>
<td>857-368-8999; <a href="mailto:Thomas.F.Broderick@state.ma.us">Thomas.F.Broderick@state.ma.us</a></td>
<td></td>
</tr>
<tr>
<td>Department of Transportation</td>
<td>Member - Voting</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Michigan Department of Transportation</td>
<td>Gregory Johnson</td>
</tr>
<tr>
<td>Minnesota Department of Transportation</td>
<td>Bernard Arseneau</td>
</tr>
<tr>
<td>Mississippi Department of Transportation</td>
<td>Mark McConnell</td>
</tr>
<tr>
<td>Missouri Department of Transportation</td>
<td>David Nichols</td>
</tr>
<tr>
<td>Montana Department of Transportation</td>
<td>Dwane Kailey</td>
</tr>
</tbody>
</table>

**Michigan Department of Transportation**

**Member - Voting**
Gregory Johnson  
Chief Operations OfficerChief Engineer  
Michigan Department of Transportation  
P.O. Box 30050  
Lansing, Michigan  48909-7550  
517 373-4656; johnsong2@michigan.gov

**Minnesota Department of Transportation**

**Member - Voting**
Bernard Arseneau  
Deputy CommissionerChief Engineer  
Minnesota Department of Transportation  
395 John Ireland Boulevard Transportation Building MS 110  
St. Paul, Minnesota  55155-1899  
651 366-4800; bernie.arseneau@state.mn.us

**Mississippi Department of Transportation**

**Member - Voting**
Mark McConnell  
Deputy Executive DirectorChief Engineer  
Mississippi Department of Transportation  
P.O. Box 1850  
Jackson, Mississippi  39215-1850  
601 359-7004; mmcconnell@mdot.ms.gov

**Missouri Department of Transportation**

**Member - Voting**
David Nichols  
Director  
Missouri Department of Transportation  
P.O. Box 270  
Jefferson City, Missouri  65102-0270  
573 751-4586; david.nichols@modot.mo.gov

**Montana Department of Transportation**

**Member - Voting**
Dwane Kailey  
Administrator Highway and EngineeringChief Engineer  
Montana Department of Transportation  
P.O. Box 201001  
Helena, Montana  59620-1001  
406 444-6414; dkailey@mt.gov
<table>
<thead>
<tr>
<th>Nebraska Department of Roads</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Member - Voting</em></td>
<td></td>
</tr>
<tr>
<td>Mostafa Jamshidi</td>
<td></td>
</tr>
<tr>
<td>Deputy Director Operations</td>
<td></td>
</tr>
<tr>
<td>Nebraska Department of Roads</td>
<td></td>
</tr>
<tr>
<td>P.O. Box 94759</td>
<td></td>
</tr>
<tr>
<td>Lincoln, Nebraska 68509-4759</td>
<td></td>
</tr>
<tr>
<td>402 479-4671; <a href="mailto:Moe.Jamshidi@nebraska.gov">Moe.Jamshidi@nebraska.gov</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nevada Department of Transportation</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Member - Voting</em></td>
<td></td>
</tr>
<tr>
<td>John Terry</td>
<td></td>
</tr>
<tr>
<td>Assistant Director EngineeringChief Engineer</td>
<td></td>
</tr>
<tr>
<td>Nevada Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>1263 S. Stewart St.</td>
<td></td>
</tr>
<tr>
<td>Carson City, Nevada 89712</td>
<td></td>
</tr>
<tr>
<td>775-888-7440; <a href="mailto:jterry@dot.state.nv.us">jterry@dot.state.nv.us</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New Hampshire Department of Transportation</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Member - Voting</em></td>
<td></td>
</tr>
<tr>
<td>Jeff Brillhart</td>
<td></td>
</tr>
<tr>
<td>Assistant Commissioner and Chief Engineer</td>
<td></td>
</tr>
<tr>
<td>New Hampshire Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>P.O. Box 483</td>
<td></td>
</tr>
<tr>
<td>Concord, New Hampshire 03302-0483</td>
<td></td>
</tr>
<tr>
<td>603 271-1484; <a href="mailto:dbrillhart@dot.state.nh.us">dbrillhart@dot.state.nh.us</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New Jersey Department of Transportation</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Member - Voting</em></td>
<td></td>
</tr>
<tr>
<td>Eli Lambert</td>
<td></td>
</tr>
<tr>
<td>Director of Bridge Engineering and Infrastructure Management</td>
<td></td>
</tr>
<tr>
<td>New Jersey Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>P.O. Box 600</td>
<td></td>
</tr>
<tr>
<td>Trenton, New Jersey 08625-0600</td>
<td></td>
</tr>
<tr>
<td>609 530-4235; <a href="mailto:Dave.Lambert@dot.state.nj.us">Dave.Lambert@dot.state.nj.us</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>New Mexico Department of Transportation</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Member - Voting</em></td>
<td></td>
</tr>
<tr>
<td>Max Valerio</td>
<td></td>
</tr>
<tr>
<td>Chief Engineer</td>
<td></td>
</tr>
<tr>
<td>New Mexico Department of Transportation</td>
<td></td>
</tr>
<tr>
<td>P.O. Box 1149</td>
<td></td>
</tr>
<tr>
<td>Santa Fe, New Mexico 87504-1149</td>
<td></td>
</tr>
<tr>
<td>505 827-3213; <a href="mailto:max.valerio@state.nm.us">max.valerio@state.nm.us</a></td>
<td></td>
</tr>
</tbody>
</table>
New York State Department of Transportation

*Member - Voting*
Phil Eng
Chief Engineer Engineering Division
New York State Department of Transportation
50 Wolf Road Executive Suite
Albany, New York 12232-5401
518 457-4430; peng@dot.state.ny.us

North Carolina Department of Transportation

*Member - Voting*
Terry Gibson
State Highway Administrator
North Carolina Department of Transportation
1536 Mail Service Center
Raleigh, North Carolina 27699-1536
919 707-2500; tgibson@ncdot.gov

North Dakota Department of Transportation

*Member - Voting*
Grant Levi
Deputy Director for Engineering
North Dakota Department of Transportation
608 E. Boulevard Avenue
Bismarck, North Dakota 58505-0700
701 328-2584; glevi@nd.gov

Ohio Department of Transportation

*Member - Voting*
James Barna
Assistant Director of Transportation PolicyChief Engineer
Ohio Department of Transportation
1980 West Broad Street
Columbus, Ohio 43223-1102
614 466-8990; Jim.Barna@dot.state.oh.us

Oklahoma Department of Transportation

*Member - Voting*
Gary Evans
Deputy DirectorChief Engineer
Oklahoma Department of Transportation
200 N.E. 21st Street
Oklahoma City, Oklahoma 73105-3204
405 521-2688; gevans@odot.org
Oregon Department of Transportation

*Member - Voting*

Catherine Nelson
Manager Technical Services
Chief Engineer
Oregon Department of Transportation
4040 Fairview Industrial Drive SE MS 1
Salem, Oregon  97302-1142
503 986-3305; catherine.m.nelson@odot.state.or.us

Pennsylvania Department of Transportation

*Member - Voting*

R. Scott Christie
Deputy Secretary for Highway Administration
Pennsylvania Department of Transportation
P.O. Box 3541 Keystone Building 8th Floor
Harrisburg, Pennsylvania  17103-3541
717 787-6875; rchristie@pa.gov

Puerto Rico Department of Transportation and Public Works

*Member - Voting*

Harold Cortãs-Laclaustra
Deputy Executive Director for Infrastructure and Chief Engineer
Puerto Rico Department of Transportation and Public Works
P.O. Box 42007 Minillas Station
San Juan, Puerto Rico  00940-2007
787 729-1540; hcortes@act.dtop.gov.pr

Rhode Island Department of Transportation

*Member - Voting*

Kazem Farhoumand
Chief Engineer
Rhode Island Department of Transportation
2 Capitol Hill State Office Building
Providence, Rhode Island  02903-1124
401 222-2492; Kazem.Farhoumand@dot.ri.gov

South Carolina Department of Transportation

*Member - Voting*

John Walsh
Deputy Secretary for Engineering
South Carolina Department of Transportation
P.O. Box 191
Columbia, South Carolina  29202-0191
803 737-7900; walshJV@scdot.org
<table>
<thead>
<tr>
<th>State Department of Transportation</th>
<th>Member - Voting</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Dakota Department of Transportation</td>
<td>Joel Jundt</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Director of Planning and Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>South Dakota Department of Transportation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>700 East Broadway Avenue</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pierre, South Dakota  57501-2586</td>
<td></td>
</tr>
<tr>
<td></td>
<td>605 773-5105; <a href="mailto:joel.jundt@state.sd.us">joel.jundt@state.sd.us</a></td>
<td></td>
</tr>
<tr>
<td>Texas Department of Transportation</td>
<td>John Barton</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Deputy Executive DirectorChief Engineer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Texas Department of Transportation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>125 East 11th Street</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Austin, Texas  77701-2483</td>
<td></td>
</tr>
<tr>
<td></td>
<td>512 305-9504; <a href="mailto:John.Barton@txdot.gov">John.Barton@txdot.gov</a></td>
<td></td>
</tr>
<tr>
<td>Utah Department of Transportation</td>
<td>Carlos Braceras</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Deputy Director Interim Executive Director</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Utah Department of Transportation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P.O. Box 141250</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Salt Lake City, Utah  84114-1250</td>
<td></td>
</tr>
<tr>
<td></td>
<td>801 965-4030; <a href="mailto:cbraceras@utah.gov">cbraceras@utah.gov</a></td>
<td></td>
</tr>
<tr>
<td>Vermont Agency of Transportation</td>
<td>Richard Tetreault</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Director of Program Development</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vermont Agency of Transportation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>National Life Building Drawer 33</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Montpelier, Vermont 05633-5001</td>
<td></td>
</tr>
<tr>
<td></td>
<td>802 828-2663; <a href="mailto:richard.tetreault@state.vt.us">richard.tetreault@state.vt.us</a></td>
<td></td>
</tr>
<tr>
<td>Virginia Department of Transportation</td>
<td>Garrett Moore</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northern Virginia District Administrator</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Virginia Department of Transportation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1401 East Broad Street</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Richmond, Virginia  23219</td>
<td></td>
</tr>
<tr>
<td></td>
<td>804 786-4798; <a href="mailto:garrett.moore@vdot.virginia.gov">garrett.moore@vdot.virginia.gov</a></td>
<td></td>
</tr>
</tbody>
</table>
Washington State Department of Transportation

Member - Voting
Jerry Lenzi
Chief Engineer Assistant Secretary
Washington State Department of Transportation
P.O. Box 47315
Olympia, Washington 98504-7315
360 705-7032; lenzijc@wsdot.wa.gov

West Virginia Department of Transportation

Member - Voting
Darrell Allen
Deputy State Highway Engineer Construction
West Virginia Department of Transportation
1900 Kanawha Boulevard East Building 5 Room 148
Charleston, West Virginia 25305-0430
304-558-6266; Darrell.W.Allen@wv.gov

Wisconsin Department of Transportation

Member - Voting
Daniel Grasser
Administrator
Wisconsin Department of Transportation
P.O. Box 7965
Madison, Wisconsin 53707-7965
608 266-6885; daniel.grasser@dot.wi.gov

Wyoming Department of Transportation

Member - Voting
Delbert McOmie
Chief Engineer
Wyoming Department of Transportation
5300 Bishop Blv
Cheyenne, Wyoming 82009
307-777-4484; delbert.mcombe@wyo.gov
I. Call to Order and Carry Over Items

The Standing Committee on Highways convened at 1:21 PM. Chair Paula Hammond called the meeting to order. The meeting consisted of a quorum of 44 representatives.

Two carry over items were presented from the SCOH Technical Meeting. Lloyd Brown and Toney Dorsey of AASHTO presented information on AASHTO communications, including the latest on Transportation TV, featuring a short video presentation. Butch Wlaschin of FHWA presented a summary of the Managing Pavements and Monitoring Performance International Scan.

II. Roll Call and Minutes from Previous Meeting

Chair Hammond called for a motion to approve the minutes from the May 19, 2012 Traverse City meeting. Virginia made the motion and Utah seconded. The motion was approved.

III. Call for Agenda Amendments

A motion was made by Michigan and seconded by Massachusetts to accept the Consent Agenda. The motion was approved. Virginia representative Malcolm Kerley was recognized by Chair Hammond for his leadership and significant contributions to the Committee and Sub-committee on Bridges and Structures, representing AASHTO on numerous occasions at the national level and guiding the industry forward through many challenges.

IV. Summary of SCOH Ballots from May 2012 to November 2012 (information)

A summary of ballots was provided to the members as a handout for their information.

V. Activity Reports

Committee reports were provided and accepted under the consent agenda.

VI. Motions

A. There were no proposed Administrative Resolutions.

B. Proposed Policy Resolutions: The following actions were taken:

- **Actions to Reduce Impediments to Interstate Commerce, Harmonizing Requirements for Truck Permits.** The motion to approve was made and seconded by Wisconsin and Maryland, and amended with a motion and second by Alabama and Mississippi. The amendment removes the last four words of the last Resolved statement, to “provide regular progress reports”, and replace it with “present additional initiatives to SCOH for submission to the AASHTO Board of Directors for implementation.” The motion, as amended, was approved.

- **Promotion of Highway Bridge Measurement Criteria that Promotes Bridge Preservation.** The motion was made by Utah, seconded by Virginia, and approved.

- **Equipment Fleet Management Performance Measures.** The motion was made by Utah, seconded by Tennessee, and approved.

- **Establish a Schedule for Alternating Biennial Regional and National AASHTO EMTSP Partnership Meetings.** The motion was made by Utah, seconded by Arizona, and approved.
Express the AASHTO Subcommittee on Maintenance support for the FHWA Pavement Preservation Expert Task Group and Requesting Semi-Annual Meetings for the Group. The motion was made by Utah, seconded by Alabama, and approved.

Institute the Use of AASHTO Standards. The motion was made by North Dakota, seconded by Ohio, and approved.

C. Proposed Amendments to the AASHTO Governing Documents

Inclusion of External Stakeholders as Non-Voting Members of the Subcommittee on Materials. The motion for approval was made by North Dakota and seconded by Nebraska. Discussion then followed. Virginia and Maine expressed concern that this could lead to special interest influence. It was also noted that external stakeholders to not pay dues. Other states felt that it is important to bring industry interests to the table to discuss issues. The Chair and AASHTO clarified that these external stakeholders would have a voice but not a vote. Decisions would still be made by member departments only, through the ballot process. Chair Hammond called for the vote, and declared that the "I's" had the majority to pass the amendment.

Proposed National and State Interagency Leadership Teams. The motion was made by North Carolina and seconded by Montana to approve this amendment. After discussion, it was determined that the next step would be to coordinate this with the Standing Committee on Environment. The motion was withdrawn and will be re-submitted at the Spring Meeting.

VII. Reports

Paul Degges and Chris Jenks, TRB, presented the status of NCHRP 20-7 efforts. The Committee met the previous evening and selected 7 tasks to move forward, representing $685,000 in funding. The balance of funds will be carried over for future proposals. The motion was made by the District of Columbia to accept, and seconded by Montana. The motion was approved.

Ken Sweeney reported on the Special Committee on U.S. Route Numbering. A motion was made to accept the report by Maine, seconded by Louisiana, and approved.

A motion was made by Virginia, and seconded by Arizona, to accept the Technology Implementation Group report. The motion was approved.

A summary was provided by Paul Mattox of the AASHTO/ACEC Meeting held the previous evening. Topics discussed included the quality of environmental documents, revenue challenges post MAP-21, SHRP-2, comments on FHWA’s Consultant Services Rule, and liability and risk allocation. A motion was made by West Virginia to accept the report, seconded by Michigan, and approved.

Pam Hutton reported on the status of the Strategic Highway Research Program, SHRP-2. An investment of $218 Million has resulted in 65 products to move forward. While there is $168 Million available for funding SHRP-2 implementation activities, there is a need of almost $400 Million. Pam provided the preliminary schedule for moving SHRP-2 forward, working closely with FHWA and TRB.

VIII. Presentations

John Horsley, Executive Director of AASHTO, noted that this was his “swan song.” He congratulated the committee on its traditional of excellence, and stated that he is proud of what SCOH has accomplished. He recognized AASHTO staff and their incredible success story. He had three items to report. First, MAP-21 represents the most substantive change in our industry in 20 years. Performance management is an important part of that change. AASHTO created 8 working groups to provide analysis and recommendations to FHWA as they move the legislation forward. Second, the SHRP-2 program is transitioning from research to implementation. AASHTO members approved the use of SP&R funding for
SHRP-2 by ballot vote of 45 to 3. There are four components to SHRP-2: Renewal, Reliability, Capacity and Safety. AASHTO is working with FHWA on establishing a schedule to move forward, including the application process for states to receive funding to support SHRP-2 initiatives. Third, Hurricane Sandy was a reminder of the importance of transportation to our daily lives. As we learn more about these extreme weather events, we need to adapt our designs and plans. In closing, Executive Director Horsley stated that it has been an honor to serve, and he is also proud of the excellent service Tony Kane has delivered. Chair Hammond expressed the Committee's thanks to John, Tony and Jack Basso for their many important contributions.

Other presentations included AASHTOWare Rebranding by Mike Bousliman, the AMRL program by Steve Lenker (who noted that comparable is not equivalent”, the FHWA Activities report by John Baxter (with a brief mention of Every Day Counts, MAP-21, SHRP-2, the consultant service Rule status, the tunnel Rule status, and the Sika grout status), a brief update on Transportation Association Canada by Greg Johnson, and the PIARC report by Tony Kane. Other reports will be provided to the Committee in writing (e.g. SCOR, the Special Committee on Transportation Security and Emergency Management, and the Special Committee on Wireless Technology and Communication), given time constraints.

IX. Old Business

Randy Beatty made a brief presentation on the TRAC and RIDES programs. Participating states contribute $7000 to support educational programs.

X. New Business

Mark Chaput provided an update on the Transportation Curriculum Coordinating Council. The curriculum will be transitioning from an FHWA pooled fund model to an AASHTO technical service or a special committee model.

XI. Adjourn

The meeting was adjourned at 4:50 PM.
## TABLE OF CONTENTS – SCOH WORK PLANS FOR 2012-2013

<table>
<thead>
<tr>
<th>Committee</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIGHWAYS SUBCOMMITTEE ON BRIDGES AND STRUCTURES (SCOBS)</td>
<td>2</td>
</tr>
<tr>
<td>HIGHWAYS SUBCOMMITTEE ON CONSTRUCTION (SOC)</td>
<td>4</td>
</tr>
<tr>
<td>HIGHWAYS SUBCOMMITTEE ON DESIGN</td>
<td>6</td>
</tr>
<tr>
<td>HIGHWAYS SUBCOMMITTEE ON HIGHWAY TRANSPORT</td>
<td>8</td>
</tr>
<tr>
<td>HIGHWAYS SUBCOMMITTEE ON MAINTENANCE</td>
<td>10</td>
</tr>
<tr>
<td>HIGHWAYS SUBCOMMITTEE ON MATERIALS</td>
<td>12</td>
</tr>
<tr>
<td>HIGHWAY SUBCOMMITTEE ON RIGHT-OF-WAY, UTILITIES AND OUTDOOR ADVERTISING CONTROL</td>
<td>14</td>
</tr>
<tr>
<td>HIGHWAYS SUBCOMMITTEE ON SYSTEMS OPERATIONS AND MANAGEMENT (SSOM)</td>
<td>15</td>
</tr>
<tr>
<td>HIGHWAYS SUBCOMMITTEE ON TRAFFIC ENGINEERING</td>
<td>16</td>
</tr>
<tr>
<td>TECHNOLOGY IMPLEMENTATION GROUP</td>
<td>18</td>
</tr>
<tr>
<td>SCOP-ASSET MANAGEMENT (SCOP/SCOH)</td>
<td>19</td>
</tr>
<tr>
<td>NTPEP OVERSIGHT COMMITTEE</td>
<td>20</td>
</tr>
<tr>
<td>SPECIAL COMMITTEE ON US ROUTE NUMBERING</td>
<td>22</td>
</tr>
<tr>
<td>SPECIAL COMMITTEE ON WIRELESS COMMUNICATIONS TECHNOLOGIES (SCOWCT)</td>
<td>23</td>
</tr>
</tbody>
</table>
HIGHWAYS SUBCOMMITTEE ON BRIDGES AND STRUCTURES (SCOBS)

Officers
Chair        Fredrick C. Gregg (Wyoming)
Vice Chair   Bruce Johnson (Oregon)
Secretary    M. Myint Lwin (FHWA)
Assistant Secretary  Raj Ailaney (FHWA)
AASHTO Liaisons Keith Platte and Kelley Rehm

Annual Meeting
The 2012 Annual SCOBS Meeting was held from July 8-12 in Austin, Texas. During this period, each of the 20 SCOBS’ Technical Committees met to conduct technical committee business, followed by a two-day general session meeting of the full Subcommittee to review and ballot required changes and additions to the specifications and guide documents maintained by the Subcommittee. Also during this period, SCOBS’ Executive Committee met to participate with SCOBS Officers in making business decisions, planning, and setting priorities, as well as to improve communications between the technical committee leadership and chairs to resolve issues of importance to SCOBS.

Current Activities
Several technical committees have been working on updating the current LRFD design, construction and LRFR rating specifications and assisting in completing bridge research within the SHRP2 Program and its implementation. Samples of relevant activities are:

- Reorganization of Section 5, Concrete Structures, of the AASHTO LRFD Bridge Design Specifications
- Working with TSP2 Regional Partnerships to assess maintenance painting practices and address durable paint systems for steel bridges
- Provide independent review of the FHWA Long Term Bridge Program through TRB Oversight Panel
- Evaluate the results of NCHRP 10-80 and prepare the new LRFR Specifications on Structural Supports for Signs, Luminaires, and Traffic Signals for ballot at the 2014 SCOBS Annual Meeting
- Work with TRB on research project NCHRP 20-59(47) Emergency Exit Signs and Marking Systems for Highway Tunnels and oversee a project to develop a new guide for the preservation of highway tunnels
- Work on the NCHRP 12-89 project to develop new LRFD Design and Construction Specifications for Highway Tunnels
- Update the 2005 Strategic Plan for Bridge Engineering that will help the bridge community to identify, prioritize, and conduct research in concert with the new transportation bill Moving Ahead for Progress in the 21st Century (MAP-21).
- Work on addressing recommendations from National Transport Safety Board (NTSB), specifically recommendations H-08-03 to update “Manual of Bridge Evaluation”, and H-04-31 to provide guidance to States on using “Advanced Motorist Warning System”

Goals for the Next Five Years
SCOBS main focus continues to be the successful implementation of the LRFD and LRFR design and rating specifications. The Subcommittee intends to continue its activities for implementation facilitation of LRFD for other structures and culverts, improving and maintaining all LRFD specifications and guide documents, and ensuring proper training is provided to States. Accomplishments of this focus will be overseen by the SCOBS Executive Committee, the membership of which includes SCOBS and FHWA Officers, AASHTO Liaisons, and technical committee chairs.

SCOBS will continue to focus on the development and deployment of new technologies and materials to better utilize investments in the nation’s bridges and other highway structures. High performance materials (including high performance steel, concrete, and fiber reinforced polymer composites), accelerated construction methods (using prefabricated bridge elements and systems), and rapid construction technologies that are among the innovative features which should be considered in bridge design and construction practices and specifications. SCOBS will also work to ensure the use of improved bridge inspection, evaluation, and management technologies for the existing inventory of bridges and other highway structures. Among these are improved technologies related to non-destructive evaluation and assessment of bridge components, and in data acquisition and management.

Following is the schedule of various publications that are either complete or on theballoting for approval and
## Schedule of Publications (work done and in progress for FY 2013)

<table>
<thead>
<tr>
<th>2011 Queue Order</th>
<th>Pub Code</th>
<th>Pub Title</th>
<th>New Title/ New Edition/ Interim</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MBE-2-12</td>
<td>2012 Interim Revisions to the Manual for Bridge Evaluation, 2nd Edition</td>
<td>Interim</td>
<td>Completed</td>
</tr>
<tr>
<td></td>
<td>LRFDFRP-1</td>
<td>LRFD Guide Specifications for Design of Concrete-Filled FRP Tubes for Flexural and Axial Members</td>
<td>New Edition</td>
<td>Completed</td>
</tr>
<tr>
<td></td>
<td>FRPS-1</td>
<td>Guide Specifications for Design of Bonded FRP Systems for Repair and Strengthening of Concrete Bridge Elements</td>
<td>New Edition</td>
<td>Completed</td>
</tr>
<tr>
<td></td>
<td>LRFDCONS-3-I3</td>
<td>2012 Interim Revisions to AASHTO LRFD Bridge Construction Specifications, 3rd Edition</td>
<td>Interim</td>
<td>Completed</td>
</tr>
<tr>
<td></td>
<td>LRFDMOV-2-I4</td>
<td>2012 Interim Revisions to the AASHTO LRFD Movable Highway Bridge Design Specifications, 2nd Edition</td>
<td>Interim</td>
<td>Completed</td>
</tr>
<tr>
<td></td>
<td>BWC-6-I2</td>
<td>2012 Interim Revisions to the AASHTO/AWS D1.5M D1.5:2010, Bridge Welding Code, 6th Edition</td>
<td>Interim</td>
<td>Completed</td>
</tr>
<tr>
<td></td>
<td>LRFDUS-6-I1</td>
<td>2013 Interim Revisions to the AASHTO LRFD Bridge Design Specifications, 6th Edition</td>
<td>Interim</td>
<td>To print in March</td>
</tr>
</tbody>
</table>

**Future Meetings** - Future meetings of the Subcommittee have been scheduled in the following states: 2014 in Ohio and 2015 in New York.
HIGHWAYS SUBCOMMITTEE ON CONSTRUCTION (SOC)

Officers
Chair: Mike Lewis, RIDOT
Vice Chair: David Hoyne, VAOT
Secretary: Butch Wlaschin, FHWA
AASHTO Liaison: Greta Smith, AASHTO

General
- Develop the program for the SOC 2013 summer meeting in Detroit, Michigan, August 11 through August 16, 2013.
- Adopt SOC Strategic Plan
- Identify and disseminate information regarding the impacts of the application of Buy America to utility relocations.
- Assess the need to update the 2008 Guide Specifications for Highway Construction.
- Prepare resolution regarding AASHTO assuming responsibility for TCCC.
- Develop statements for and participate in the NCHRP research and synthesis programs and International and Domestic Scans.

Upcoming Meetings
- 2013, Detroit, Michigan
- 2014, Portsmouth, New Hampshire
- 2015, Little Rock, Arkansas

Computers and Technology Section (Emanuel Banks, Arkansas DOT)
- Continue to provide information to AASHTO website as well as updates and input as needed to enhance AASHTO Subcommittee on Construction National website and the National Highway Specification Website.
- Provide input to FHWA activities related to Civil Integrated Management and other construction technology related EDC2 initiatives.
- Support implementation of SHRP2 deliverable products with focus on technology based equipment.
- Provide leadership and guidance for the development of AASHTOWare web based project construction and materials software.
- Continue to provide leadership and guidance for the development of the web based version of the AASHTO TmsPort-Site Manager Construction and Materials module and the Civil Rights and Labor Management System (CRLMS).
- Provide representation to the following committees:
  - NCHRP 10-77 Use of Automated Machine Guidance (AMG) within the Transportation Industry
  - TRB AFB80 Committee Geospatial Technologies for Design and Construction
  - NCHRP 10-81 Fuel Usage Factors in highway and Bridge Construction
- Finalize a quick reference guide to assist States with Automated Machine Guidance preconstruction requirements, construction specifications, data exchange protocol, etc. Will include examples in use by states of their written processes, specifications, GPS web-based training, etc.
- Survey States on electronic signatures.
- Identify best practices regarding work zone technologies, e.g. automated work zone speed enforcement and ITS smart work zones.
- Explore European technologies.

Contract Administration Section (Brenda O’Brien, Michigan DOT)
- Survey the States regarding best practices on the administration of construction schedules and types of schedules that are currently being used.
- Collect and compile State DOT internet resources for oversight of local public agency projects.
- Compile alternative contracting web pages and best practices.
- Survey the States regarding approaches for dealing with unsatisfactory contractor performance.
- Post results of surveys on website.
Environmental and Human Resource Section *(Mark Leja, CalTrans)*

- Conduct a survey to promote standardized development of erosion and sediment control products.
- Finalize and disseminate survey regarding ancillary waste.
- Develop and disseminate survey regarding construction inspection training and certifications.
- Conduct survey of best practices for managing environmental commitments.
- Conduct survey on selection and implementation of work zone physical barriers.
- Conduct survey on required safety training, enforcement and OSHA involvement.
- Conduct survey on effect and utilization of ITS technology in work zones.
- Coordinate with SCOE to identify mutual areas of guidance, procedures and research.

Roadway and Structures Section *(David Ahlvers, MoDOT)*

- Continue the “Guideline for Development and Implementation of Comprehensive QA Programs”.
- Develop requirements for IRI to be incorporated into the Construction Guide Specification publication.
- Survey States on best practices or specifications to prevent cracking in mass pour concrete structures.
- Survey States to determine best practices for thin bridge overlays.
- Investigate the effect of rumble strips/stripes on pavement durability.
- Survey States on the use and availability of IRI performance indicators.
- Survey States on best practices to inspect prefabricated bridge elements.
- Survey States on standards for inspector certification.
- Draft position statement on Buy America addressing applicability to size and scope along with administrative burden.
- Develop guidelines for risk based construction inspection.

**Goals**

The SOC’s 1 to 5 year goals are as follows:

- Align the annual meeting and section work plans with the SOC Strategic Plan.
- Identify performance measures (relative to construction) and work to integrate these measures nationwide.
- Enhance relationships between the SOC and the other subcommittees involved with project delivery.
- Update documents in the SOC purview (Guide Specifications for Highway Construction).
HIGHWAYS SUBCOMMITTEE ON DESIGN

Officers
Chair Barry Schoch, Pennsylvania
Vice Chair Richard Land, California
Secretary David Nichol, FHWA
AASHTO Liaison Keith Platte, AASHTO

Proposed Schedule

New or Updated Publications
- Design guides published in 2012 and responsible committees:
  - Pavement Management Guide – Joint Technical Committee on Pavements
- Coming up in 2013 for committee ballot:
  - Pavement Handbook – Joint Technical Committees on Pavements
  - Transit Guide – SCOD
  - Highway Drainage Manual – SCOD

Other Activities For The Coming Year

Technical Committee on Cost Estimating
- Work continues to improve the TCCE webpage to create a web-based clearinghouse for cost estimating guidance and resources, including a contact list of state DOT estimating experts, and links to research, publications, and estimating guidance and tools.

Technical Committee on Electronic Engineering Data
- Continue efforts to formalize a process to approve XML data schemas.
- Work on NCHRP 20-94

Technical Committee on Environmental Design
- Continue the process of updating the Landscape Guide via 20-7 Task 346.
- Will look at the update of Guide on Evaluation and Abatement of Traffic Noise

Technical Committee on Geometric Design
- Continue the process of revising the Low Volume Road documents via 20-7 Task 343.

Technical Committee on Roadway Lighting
- Continue the process of updating the Roadway Lighting Guide.
- Champion research to identify current best practices being used by DOTs and local agencies to design and deliver lighting projects.

Technical Committee on Hydrology and Hydraulics
- Development of Research Requests - The TCHH has historically been very active and successful in targeting research needs. In the past, bridge scour has been the dominant topic of our proposed research, but recently, difficult environmental stormwater and environmental stream stabilization issues are provoking needed research. Thus, the TCHH collaborated actively with the Standing Committee on the Environment (SCOE) and the TRB AFB60 Committee in submitting the last round of research needs statements. Several topics suggested by TCHH are also topics highly recommended by SCOE. TCHH invited member of AASHTO Center for Environment (CEE) to its fall meeting with intent to collaborate its work with CEE and SCOE.

Technical Committee on Non-motorized Transportation –
- Look to revitalize the committee.
- Will meet at the 2013 SCOD Meeting in Montana
Joint Technical Committee on Pavements
- The Pavement Handbook will be reviewed by the JTCOP as a committee of the whole and its purpose is to provide transfer of knowledge and information to practitioners as state agencies change in the future.
- Development of two or three research needs statements is anticipated. Part of this development process is a discussion of research being conducted within the states and the research roadmaps that have been developed by industry and by collections of states. FHWA funded research is also discussed in the development of research needs. Prioritization will occur by email following the May meeting and the top research needs statements will be submitted to SCOD and SCOM with a request for support.

Technical Committee on Preconstruction Engineering Management
- Continue work on NCHRP project 15-51 entitled Preconstruction Services Cost Estimating Guide.

Technical Committee on Roadside Safety
- Will meeting jointly with TRB in summer 2013.
- Begin the process of reviewing and update the Manual on Hardware Assessment Manuel (MASH) document.

Technical Committee on Value Engineering
- Continue the planning for the 2013 AASHTO Value Engineering Conference hosted by Minnesota Department of Transportation.
- Review new Federal laws and the updated AASHTO Guidelines for Value Engineering, where appropriate.

Upcoming Meetings
- 2013 – Bozeman, Montana
- 2014 – Georgia
- 2015 – Region 3, to be determined
- 2016 – Region 1, to be determined
SCOH BUSINESS AGENDA — 8 OF 23
V. WORK PLANS 2013-2014
PROVIDENCE, RHODE ISLAND – MAY 5, 2013

HIGHWAYS SUBCOMMITTEE ON HIGHWAY TRANSPORT

Officers
Chair: Mark Gottlieb, Wisconsin
Vice-Chair: Jeff Honefanger, Ohio
Secretary: Tom Kearney, FHWA
AASHTO Liaison: Leo Penne

Task Force Chairs:
Jan Skouby, MO, Operations
Randy Braden, AL, Size and Weight
Bill Gardner, ME, Highway Freight Movement
Ken Sweeney, ME, Infrastructure

Review of Subcommittee Charge Statement:
No changes to charge statement.

Proposed
No proposed changes.

Schedule of New/Updated Publications (printed and online)
• Highway Freight Movement Bottom Line Report, TBD
• Best practices for High Wide and Heavy Corridors, spring 2014
• Catalog of State Organization to Carry out Commercial Vehicle Functions, fall 2013
• Best Practices for Assessing Proposals for Changes in Truck Size and Weight Laws, winter 2013
• Compendium of Smart Roadside Technologies, spring 2014

Activities for 2013-2014

Priority Activity Areas
Implementing Board Resolution PR3-12, Actions to Reduce Impediments to Interstate Commerce: Harmonizing Requirements for Truck Permits, will be the highest priority for SCOHT in this program year. In addition, the implementation of MAP-21 (PL 112-141), in particular the three truck studies and more generally the freight provisions, will be a high priority with the potential for dramatic and unpredictable impact on the Work Plan. SCOHT will also continue to carry out and adapt the Procedures for Coordinating Oversize/Overweight Truck Movements For Emergency Response and Relief.

Specific Activities
• Implement “harmonization initiative” (PR3-12) and report to BOD 2013 Annual Meeting.
• Develop best practices guide for high, wide, and heavy corridors.
• Work with U.S. DOT trucking industry and GPS providers to reduce number of bridge hits by commercial vehicles.
• Produce report on how states are organized to carry out commercial vehicle functions.
• Develop best practices guide for high, wide, and heavy corridors.
• Produce compendium of Smart Roadside technologies in use.
• Develop guidance on coordinating permitting processes with local governments.
• Continue to implement and adapt Procedures for Coordinating Oversize/Overweight Truck Movements for Emergency Response and Relief.
• Work with the AASHTO Standing Committee on Rail to improve practices for the prevention of rail-truck crashes.
V. WORK PLANS 2013-2014

PROVIDENCE, RHODE ISLAND – MAY 5, 2013

Goals for Next 5 Years:

- Strive to continually improve and maximize the participation of partners in the commercial vehicle industry with the intent of finding joint solutions.
- Link SCOHT activities to other AASHTO activities in the areas of safety, security, operations and freight transportation.
- Identify potential research projects surrounding the subcommittee's charge that would have a high degree of probability for implementable results.
- Work with AASHTO Freight Transportation Leadership Group (chairs of freight mode committees) to develop an integrated freight transportation effort.

General and Routine Tasks:

- Update membership list at least quarterly.
- Get Freight Movement and Infrastructure Task Forces well-established.
- Encourage more representation on SCOHT from the freight transportation, planning, and infrastructure divisions of State DOTs.
- Strengthen working relationships with SCOHT Subcommittees
- Monitor and respond to commercial vehicle legislative and regulatory proposals.
- Continue promoting communication with industry.
- Provide guidance to SCOH and BOD on legislative proposals for change in Federal truck size and weight laws

Upcoming Meetings:
Subcommittee on Highway Transport Annual Meeting
Dates: July 8-11, 2013
Location: Wilmington, NC
OFFICERS:
Chair: Carlos Braceras, UT
Vice Chair: Jennifer Brandenburg, NC
Vice Chair: Chris Christopher, WA
Secretary: Bryan Cawley, FHWA
Liaison: Gummada Murthy, AASHTO
Jameelah Hayes, AASHTO

2013 Highest Priority Work Plan Activities by SCOM Technical Work Group (TWG)

Bridge TWG:
• Promote transition away from the use of structurally deficient measurement and toward the use of a condition-based bridge health index (remove the cost dependency from the current HI calculation)
• Promote the use of “Good, Fair, Poor” measurements or similar grading system across all State DOTs
• Survey the State DOTs to identify current measures used in bridge maintenance, i.e. work backlog; flag systems, etc.
• Identify strategies and practices that promote environmentally sustainable bridge maintenance practices.

Equipment TWG:
• Continue implementation of findings from final report of Research Project 20-07/Task 309 as prioritized by attendees of 2012 National Equipment Management Conference with focus on equipment utilization for this year.
• Update the Equipment Management Technical Services Program (EMTSP) website to provide similar information as the AASHTO Equipment Reference book to eliminate the need of continuing that publication and create a website “clearinghouse” for equipment specifications, surveys, and other links to trade publications and relevant articles.
• Collaborate with Equipment Management Technical Services Program Regional Partnerships to schedule and conduct the 2014 National Equipment Fleet Management Conference
• Continue working with the Equipment Management Technical Services Program National Performance Measurement Working Group to develop definitions, a format, and a process to share the Equipment Performance Measures from each State DOT fleet and posting each State’s performance measures on the EMTSP website.

Pavement TWG
• Assist in the development and implementation of performance measures that can be effectively utilized by member agencies and to meet the requirements of MAP-21.
• Assist in the implementation of SHRP-2 products that are useful to pavement preservation and maintenance, especially R-26 and R-23.
• Support the development and promotion of life cycle assessment methodologies that demonstrate the environmental-friendliness and sustainability benefits of pavement preservation techniques and strategies.
• Coordinate and support the development of guidelines, specifications, terminology and best management practices relative to pavement preservation and maintenance;

Roadway/Roadside TWG
• Host two telecommunication technical events to share information on TWG activities
• Promote Maintenance Management and Asset Management best practices
• Perform surveys and write problem statements to further the TWG mission
• Develop performance measures and input that relate to Roadway and Roadsides

Highway Safety & Reliability TWG
• Address the challenges outlined in MAP-21, Section 1203, Performance Management
• Collaborate with the AASHTO Standing Committee on Performance Management in their focus to maximize the performance of transportation systems using performance based, results-driven management

§ Promote findings from NCHRP 6-17, Performance Measures for Snow and Ice Control Operations and NCHRP 20-68A Best Practices in Winter Maintenance

- Collaborate with the Subcommittee on System Management and Operation in their focus to promote effective operations of transportation networks
- Organize and support the 2013 Winter Maintenance Peer Exchange in collaboration with the Aurora and Clear Roads Consortiums
- Complete the integration of the 2013 web-based AASHTO Suite of eight winter maintenance training CBTs with state DOTs Learning Management Systems

2012 Key Accomplishments:

- Worked with the FHWA Bridge Preservation Expert Task Group (BPETG), AASHTO Subcommittee on Bridges and Structures (SCOBS), and AASHTO regional bridge preservation on the definition of bridge preservation approved by the Standing Committee on Highways
- Completed NCHRP Project 20-7 –Task 309: Challenges and Opportunities: A Strategic Plan for Equipment Management Research
- Published AASHTO Equipment Reference Book for 2012
- Published AASHTO guide, Decision Making for Outsourcing and Privatization of Vehicle and Equipment Fleet Maintenance
- Held Peer Exchange – Best Practices in Privatization of Maintenance Functions (August 2012 in Anaheim, CA)
- Coordinating first NHI Maintenance Leadership Academy held 10/1/2012 – 11/9/2012 via on-line training and some class room training in Chattanooga, TN.
- Updated the Equipment Management Technical Services Program Strategic Plan and assigned responsibilities for each task.
- Promoted FHWA’s Sustainable Highway Self-Evaluation Tool

Resolutions

- None at this time. Four resolutions from the 2012 SCOM Annual Meeting held July 2012 in Seattle were approved by the Standing Committee on Highways on November 16, 2012.

Other Activities for the Coming Year

The Subcommittee Summer Meeting will be held jointly with the AASHTO Subcommittee on Asset Management in Burlington, Vermont from July 20–25, 2013.
OFFICERS:
Chair: Moe Jamshidi, Nebraska
Vice-Chair: Georgene Geary, Georgia
Secretary: Jack Springer, FHWA
AASHTO Liaison: Greta Smith

REVIEW OF SUBCOMMITTEE CHARGE STATEMENT:
Currently there is no change needed to the existing Charge Statement for the Subcommittee on Materials

SCHEDULE OF NEW/UPDATED PUBLICATIONS AND OTHER ACTIVITIES FOR 2012:
List of activities for the current year and anticipated milestones or dates of completion (Name in parentheses indicates SOM member or AASHTO staff representative with lead responsibility):

PUBLICATIONS & MEETINGS
- Publish 33rd Edition of Standard Specifications for Transportation Materials and Methods of Sampling and Testing – July 2013 (Smith)
- Work with TRB to establish formal liaisons between SOM and TRB committees by working through the TRB Committee Research Coordinators Council (CRCC). (Springer/Smith/Geary)
- Manage SOM Technical Service Program to assist in the development of AASHTO Materials Standards (DAMS) (Smith)
- Developing a training presentation for the SOM on how to write new specifications and test methods (SOM)
- Development of on-line training, to include streaming media, for the SOM website and e-ballot. (Springer/Smith)
- Continue updates to the electronic balloting system to make it more user friendly.
- Conduct mid-year technical section meetings by webinar as needed. (Springer/Smith)
- Begin to implement the recommendations from Cecil Jones’s report on the structure of the SOM. (Executive Committee) Report Attached
- Begin planning for the 100th meeting of the SOM (Executive Committee)

RECYCLING
- Continue to promote recycled products in our standards.
- Continue with yearly survey of states best practices in recycling.

AMRL
- SOM state representatives will continue to hold discussions with FHWA concerning accreditation bodies that have been found comparable to the AMRL and being allowed to accredit laboratories. The SOM is concerned about how this will affect the quality of materials used in highway construction.
- Report on AMRL effort to clarify requirements in AASHTO standards for equipment calibrations, standardizations, and checks.
- Report on AMRL research program to continue the development of precision statements for a number of HMA test methods.
- Advise SOM on how to specify replacement equipment that does not contain mercury, as needed.
- Provide comments on AASHTO standards by May 1.
- AMRL will have increased presence on the Technical Sections and will also provide assistance to the Technical Section chairs when requested.

INTERNATIONAL
- International Scan on hold

RESEARCH
- Submission of the proposed studies for NCHRP 20-7 (Springer/Smith)
- Submission of the proposed studies for NCHRP. Require submittal of research proposals by July 1st so Committee members have time to review before Annual meeting. (Springer/Smith)
Goals for Next 5 Years:
Outline of what the subcommittee expects to accomplish in the next 5 years.
- Update SOM Operating Guidelines (Springer/Executive Council)
- Annually publish the Standard Specifications for Transportation Materials and Methods. (Smith/Grady)
- SOM will work on aligning its work activities with SCOH’s 2010 – 2014 Strategic Plan and work towards accomplishing SCOH’s goals (Levi/Felag/Springer/Smith)
- Continue working with FHWA Recycling Task Force and the Recycled Materials Resource Center to support evaluation, research, and design/use standards for recycled materials in highway applications through 2013 (Pappas).
- Implement the findings of Cecil Jones’ report on the SOM as needed. (Executive Committee)
- Increase use of Internet and AASHTO Website in standards development, SOM organization and operations, and sharing of technical information through 2013 (Smith/Springer).
- Bring all standards into conformance with standard practice for establishing requirements for and performing equipment calibrations, standardizations, and checks by 2013 (Lenker/Lutz)
- Maintain comprehensive and up-to-date information on existing State materials management systems on SOM Website through 2013 (Geary).
- Work with AASHTO’s publication office to determine the best way for AASHTO to distribute the Standard Specifications for Transportation Materials and Methods through the internet. (Geary/Springer/Smith/Grady).
- Improve and increase the interaction between the SOM and other subcommittees. (Executive Committee/SCOH)
- Work more closely with the JTCoP and include them in our annual meeting.
- Increase the participation of non-DOT SOM meeting participants in the ballot process.

Upcoming Meetings:
- List of all upcoming meetings for the Subcommittee and its task forces, including dates, locations, duration, and frequency of occurrence.
  Subcommittee on Materials meeting
  August 4 - August 8, 2013, Stateline, NV
  2014: AASHTO Region 3 (100th meeting)
  2015: AASHTO Region 1

Duration: 5 days (Sunday to Friday noon) held the first full week of August
Note: Meetings of the subcommittee’s 21 technical sections are included as part of this meeting (3 days)
Frequency: Subcommittee meeting occurs once per year, but a brief second meeting is held during the Transportation Research Board meeting in January to update subcommittee members on important issues.
HIGHWAY SUBCOMMITTEE ON RIGHT-OF-WAY, UTILITIES AND OUTDOOR ADVERTISING CONTROL

Officer:
Chair: Matthew Delong, Michigan DOT Area Administrator, Real Estate
Vice Chair: Right of Way: Phil Copeland, Georgia
Utilities: Nelson Smith, Maryland SHA Statewide Utility Engineer
Secretary: Nelson Castellanos, FHWA Director Office of Real Estate Services
AASHTO Liaison: Keith Platte
FHWA Utilities Liaison: Charles "Ken" Leuderalbert, FHWA

Work Planned for Year 2013-2014

• Continue working on NCHRP 20-84, “Improved Right of Way Procedures and Business Practices.” The objectives of this research are to develop: (1) improved right of way procedures and business practices for the project development and delivery process, and (2) best practices for the long-term management of right of way assets. A Peer Review related to this research will be held in association with the Subcommittee’s 2013 Annual Meeting.

• Continue active participation in the SHRP2 implementation Efforts including work on R15B and the selection and prioritization of SHRP2 products for implementation.

• Continue working with FHWA on the Every Day Counts initiative to identify and resolve key issues effecting Right of Way, Utilities, and Outdoor Advertising Control.

• Continue to provide strategic communication and information exchange through the Subcommittee website, located at http://rightofway.transportation.org/, and the online “Clearinghouse” resource for query, compilation, and distribution of results from topic-specific surveys submitted by the member states.

• Continue efforts to integrate Outdoor Advertising Control into the Subcommittee operating structure.

• Continue the process of reestablishing and restructuring the Subcommittee’s Technical Councils on Utilities, Right of Way, and Outdoor Advertising Control.

• Continue working on bringing active members to the Subcommittee and to the Executive Board.

Upcoming/Recent Meetings

The annual meeting of the Subcommittee will convene in Savannah, Georgia, April 14-18, 2013. The Theme of this year’s annual meeting is “Navigating to the Future – MAP-21 and Beyond.”

The Subcommittee’s 2014 Executive Board Meeting will be held in Salt Lake City in January.
HIGHWAYS SUBCOMMITTEE ON SYSTEMS OPERATIONS AND MANAGEMENT (SSOM)

**Officers**
- **Chair**: Don Hunt, Colorado
- **Vice Chair**: John Corbin, Wisconsin
- **Secretary**: Jeff Lindley, FHWA
- **AASHTO Liaison**: Gummada Murthy

**Completed Projects:**
- After a 2 year gap the 2013 SSOM Annual Meeting was held during April 9-10, 2013 in Phoenix, Arizona. The meeting was well attended. 35 State DOT SSOM members attended the meeting.
- SSOM SHRP 2 Reliability Special Task Force was also established that provided the lead coordination with other SCOH Operations subcommittees (SCOM, SCOTE, SCOTSEM and SCOWCoT) and completed the balloting of SHRP2 Reliability Products and made recommendations to the AASHTO SHRP2 Implementation Task Force.
- SSOM SHRP2 reliability Taskforce has coordinated with FHWA and TRB and conducted several implementation planning workshops for SHRP2 reliability products.
- SSOM also provided review support in developing the white paper on MAP21 Systems Operations performance measures.

**Work Planned for Year 2013 - 2014**

**Work Plan for Task Force 1 Systems Operation Strategies:**
- Develop a Network of Peers and central repository of information in coordination with the Center of Excellence
- Survey Task Force for Snapshot/Scorecard of what research, best practices are out there
- Develop methods to share information based on topic – likely webinars or workshops/peer exchanges in conjunction with annual meetings. Conference Call to discuss outcomes and develop next steps

**Work Plan for Task Force 2 Systems Operation Performance Measures:**
- Develop a process and protocol for developing consensus recommendations to SSOM, SCOH and FHWA on High Level National Operations Performance Measurement topics. This could include: a) appointment of a smaller working group to develop initial recommendation b) a standard process for sharing this initial recommendation and solicit input from the full task force.
- Develop a process to assist any state members in a new or specific working level Performance Measurement needs is generated at the task force level or any state level

**Work Plan for Task Force 3 Transportation Systems Management and Operation CoE:**
- Advocate for AASHTO support of TSM&O CoE by passing TSM&O CoE resolution (SSOM approved the resolution and coordination with SCOH Ops Committees is underway.)
- Guide TSM&O CoE Business Plan development
- Review & concur on TSM&O CoE NCHRP 20-7 report – 5/1/13
- Advise SHRP 2 L17 Knowledge Transfer System Implementation Plan (Enhanced KTS) – 6/1/13
- Facilitate AASHTO approvals of TSM&O CoE Resolution – 11/1/13
- Initiate AASHTO approvals of TSM&O CoE Business Plan development – 2/1/14

**Annual Meeting**

The 2014 Subcommittee on System Operations and Management Meeting is being scheduled
SCOH BUSINESS AGENDA — 16 OF 23
V. WORK PLANS 2013-2014
PROVIDENCE, RHODE ISLAND – MAY 5, 2013

HIGHWAYS SUBCOMMITTEE ON TRAFFIC ENGINEERING

Officers:

Chair
Bernard Arseneau, Chief Engineer, Minnesota Department of Transportation

Vice Chair
Mark Wilson, State Traffic Operations Engineer, Florida Department of Transportation

Secretary
Mark Kehrli, Director of Transportation Operations, FHWA

AASHTO Liaison
Jameelah Hayes

Proposed Schedule

Plans for 2013-2014 include continuing work with the NCUTCD, including the mid-year meeting in January, summer meeting in June, and proposed changes to the MUTCD. The Subcommittee on Traffic Engineering will work with other AASHTO Committees/Subcommittees, other partners, and stakeholders in the areas of interest and importance.

The five Technical Teams have the following work plans:

A. Work Zone

Technical Team Chair: Sue Groth, Minnesota Department of Transportation

The following items are being considered by the SCOTE Work Zone Technical Team for advancing safety and mobility in the work zone. It is expected that these items will be pursued by the Team working closely with other AASHTO Committees and Subcommittees, partner associations, and US DOT - particularly FHWA.

1. Working with FHWA, the team submitted a research problem statement to NCHRP in September, 2010 titled, “Effect of Work Zones on Crash Risks and Guidance on Countermeasures”. The team will monitor the progress over the life of the project to be completed in March, 2015.
2. Review and provide feedback about additions to the FHWA best practices guide
3. Apply the results of the work zone domestic scan which may include submission of an additional research problem statement and training webinar
4. Provide feedback on the work zone training grant
5. Provide input to FHWA’s research “Applying the Principles of the Work Zone Rule to Design-Build Projects,”
6. Work hand-in-hand with AASHTO committees/subcommittees, outside partners, and SCOTE Technical Teams regarding work zone technology, materials, process and programs.

B. Signing and Marking

Technical Team Chair: Bruce Ibarguen, Maine Department of Transportation

The Signing and Marking Technical Team met in Orlando, Florida on June 18, 2012. Two issues dominate the work effort of this team; Airport Wayfinding and the AASHTO Guideline for Selection of Supplemental Guide Signs for Traffic Generators Adjacent to Freeways.

Airport Wayfinding

In late 2012 and during the first few months of 2013, some progress has been made with regard to addressing the basic desire to create some consistency of airport signing with MUTCD signing for “highways open to public travel.” This “progress” includes the recommendations in Airport Cooperative Research Program(ACRP) Report 07-06 (“Wayfinding and Signing Guidelines for Airport Terminals and Landside”) to create a section in the MUTCD that specifically addresses the conditions and needs of vehicular traffic at airports. The report further recommends research to develop standard symbols for various airport facilities and services. The SCOTE Team has discussed the need to create a Task Force within the Guide and Motorists Information Technical Committee for the MUTCD (GMITC), who will look at the issue of creating a section in the manual and will work with the airport community through their associations.

AASHTO Guideline for Selection of Supplemental Guide Signs

The SCOTE Team has struggled to get this document revised. What appeared to be a doable task, early in 2011, has become a real challenge as the issues have increased as the effort has progressed. The insertion of the ATTRACTIONS logo in the MUTCD has both assisted and compounded the ability of states to regulate the proliferation of supplemental signs. It has become crystal clear that the demand for freeway signing for various sites, specific destinations and non-profit entities has become a major concern for every state. Thus, the
approach that a given state may have taken to address their issue may not coincide with another state’s approach. The Task Force, who are working on this document, have generated a draft that will be reviewed and hopefully voted upon at the June SCOTE meeting.

Work Plan for 2013
1. Continue to work on airport wayfinding, in conjunction with the MUTCD National Committee (NCUTCD) and airport associations.
2. Continue to pursue a new Guideline for Supplemental Signs on Freeways.
3. Work with the NCUTCD on the reformatting proposals by FHWA, providing guidance and input on the needs of the states for that important document.
4. Begin the process of naming a new chair, as Bruce Ibarguen will be retiring right after the June meeting in Portland, Maine.

C. Traffic Signals and Roadway Lighting

Technical Team Chair: Mark Luszcz, Delaware Department of Transportation

Status and Work Plan
The SCOTE Traffic Signal Technical Team has two active NCHRP 20-7 projects that the team is continuing to provide input and guidance on:

NCHRP 20-7 / Task 283 – Evaluation of Flashing Yellow (FYA) Permissive Left Turn in Shared Left Turn in Shared Yellow Signal Sections
This project began in the fall of 2012 and is scheduled to be complete by spring 2014.

NCHRP 20-7 / Task 305 - Analysis of New Highway Lighting Technologies
This project began in May 2012 and is scheduled to have a final report in spring 2013.

AASHTO JTC on Roadway Lighting
1. The JTC is continuing to work on an updated version of the AASHTO Roadway Lighting Design Guide. Our goal is to have a draft approved by the JTC by the end of 2013.
2. The JTC continues to discuss research and current practices in new technologies in roadway lighting, such as LED, plasma, etc.
3. The JTC is monitoring the progress and providing input on NCHRP 20-7 / Task 305.

The goals for the Traffic Signal and Roadway Lighting Technical Team for 2013 and the next three to five years will be to continue providing oversight for the ongoing NCHRP 20-7 projects and see them completed. We will also continue participation with the JTC to update the AASHTO Roadway Lighting Design Guide (October 2005).
In addition to our meetings held at the annual summer SCOTE meeting, we plan to meet via conference call at least once a year to further the goals of the task force. Our first such meeting was scheduled for the fall of 2012 but need to be rescheduled to March 13, 2013.

D. Safety and Security

Technical Team Chair: J. Kevin Lacy, North Carolina Department of Transportation

No work plan submitted.

E. Traffic Design, Regulation and Management

Technical Team Chair: Mark Wilson, Florida Department of Transportation

No work plan submitted.

Upcoming Meetings

June 2013, Portland, ME – State Host Bruce Ibarguen, Maine Department of Transportation
TECHNOLOGY IMPLEMENTATION GROUP

Officers:
Chair: Ken Sweeny, Maine DOT
Vice Chair: VACANT
Secretary: Byron Lord, FHWA
AASHTO Liaison: Keith Platte (Greta Smith)

Review of Subcommittee charge statement

Existing
No change to existing charge statement

New Implementation Activities:
- Selection of One to Three New Focus Technologies
- Selection of One to Two Additionally Selected Technologies
- Assist on the implement for SHRP2 products which do not file the Lead State deployment model
- Roll out re-branding initiative for the program

Other Activities:
- Close out Focus Technologies that have accomplished their team objectives. The follow projects have closed out this year.
  - TowPlow (TP)
  - Utility Relocation Electronic Document Management System (UREDMS)
  - Grade Crossing Electronic Document Management System (GCEDMS)

Goals for Next Five Years:
- Expand TIG’s technology forecasting ability by strengthening ties with State, Federal, and AASHTO research entities.
- Promote coordination with Transportation partners (FHWA, SHRP2, Industry, etc) to implement TIG Technologies within in the transportation community.
- Be the leading voice of technology transfer activities in the transportation community.

Future Meetings:
- Spring 2013, Rhode Island
- October 2013, Denver
- Spring 2014, Kentucky
V. WORK PLANS 2013-2014

SCOP-ASSET MANAGEMENT (SCOP/SCOH)

Officers:
Chair: Ananth Prasad, Florida DOT
Vice Chair: Tim Henkel, Minnesota DOT
Secretary: Butch Wlaschin, FHWA
Research Coordinator: Cory Pope, Utah DOT
Liaison: Matthew Hardy, AASHTO

Review of Subcommittee charge statement:
Existing—No change to existing charge statement.

Review of Previous Year Successes

The Subcommittee on Asset Management Subcommittee marked several important accomplishments last year. The subcommittee has established an on-going series of webinars focused on implementing transportation asset management within State DOTs. These webinars are co-hosted by AASHTO and FHWA and occur on a bi-monthly basis. To date, each webinar has had 200 connections, representing over 600 people. The subcommittee also held two different business meetings at both the AASHTO Annual Meeting and the TRB Annual Meeting. Both were well-attended with good discussion. Finally, the subcommittee has been providing FHWA with input regarding the MAP-21 asset management requirements.

Activities for the Coming Year:

2013
Continued promotion of the Transportation Asset Management Guide: A Focus on Implementation

2013
On-going AASHTO/FHWA Transportation Asset Management Bi-Monthly Webinar Series

July 2013
Joint Summer Meeting between Subcommittee on Maintenance and Subcommittee on Asset Management

July 2013
Peer Exchange on Implementation of MAP-21 Asset Management Requirements.

Summer 2013
Organize NCHRP Project Panels for NCHRP 08-093 Guidebook on Agency Risk Management Strategies, Methods, and Tools

October 2013
Subcommittee meeting at AASHTO Annual Meeting. Possible workshop on Transportation Asset Management Plans

January 2014
Joint AASHTO/TRB Asset Management Meeting at TRB Annual Meeting.

April 2014
10th National Conference on Transportation Asset Management

The subcommittee had one major project approved by SCOR called the Guidebook on Agency Risk Management Strategies, Methods, and Tools ($500,000). The subcommittee will be working with its members to identify project panels for TRB consideration. The subcommittee will be working closely with the TRB Asset Management Committee on joint activities throughout 2013. The initial effort will be Transportation Asset Management Action Plan developed during the 9th National Transportation Asset Management Conference that will enable TRB, FHWA and AASHTO to work together in a more coordinated fashion. We will continue to work jointly on developing research problem statements for submission to NCHRP and various standing committee research programs. Matt Hardy will also work with other stakeholder organizations (APTA/AMPO) in promoting transportation asset management principles and the Implementation Guide.
Organizational and Administrative Framework

NTPEP is a pooled fund engineering technical service program which operates from AASHTO headquarters in Washington, DC. It is staffed by three full-time engineers who are responsible for day-to-day operations, administration and coordination of the NTPEP program. The program coordinates testing and auditing of the manufacturing process of a wide array of highway safety devices, construction materials and maintenance products. Whenever possible, cooperative agreements are entered into with Industry Associations who are expert in their respective industries. For each class of product category under NTPEP, a Technical Committee of state DOT and Industry membership convenes annually in person and quarterly on conference calls to discuss the status of the ongoing and pending evaluations.

The NTPEP Committee is composed of up to three members from each AASHTO member department. They provide technical guidance to the program. Chairman and Vice Chairman of the NTPEP Committee are appointed by the AASHTO Executive Director. For administrative matters and industry appeals an NTPEP Executive Committee (EC), representing each of the AASHTO regions, is selected by the NTPEP Chairman. The NTPEP Committee regularly communicates with the Federal Highway Administration (FHWA) for technical guidance and input.

The AASHTO Product Evaluation Listing (APEL) was officially assigned to the NTPEP committee in the fall of 2011. This program assists states in the review and evaluation of proprietary products. With the APEL system there is an online reporting function for states to share information on products that have been certified for use according to 23 CFR 635.411(a)(2). The program also permits the manufacturers of these products an opportunity for independent evaluation and reporting through the AASHTO APEL process. Currently there are 10 products in various stages of the evaluation process. AASHTO staff coordinates this program with the APEL council that is made up of representatives from the AASHTO regions and a chairman appointed by the NTPEP Executive council. Staff also coordinates activities to include the product evaluation coordinators in all highway agencies.

Proposed Schedule of Activities for Upcoming Year:

During the 2013 fiscal year, NTPEP intends to conduct major field product evaluation projects and nationally-coordinated laboratory testing and audit programs in the following product categories:

1. Concrete Admixtures
2. Concrete Curing Compounds
3. Reflective Signing Materials
4. Construction Zone Roll Signing Materials
5. Temporary Traffic Control Devices (Drums, Cones, Flexible Delineators)
6. Pavement Marking Materials
7. Raised Pavement Markers (Snow-Plowable and Non-Plowable)
8. Rapid Set Concrete Patching Materials
9. Portable Changeable Message Signs and Flashing Arrow Panels
10. Erosion Control Products
11. Geotextile Materials
12. Reinforced Geosynthetic Products
13. Asphalt Release Agents
14. Protective Coatings for Structures (Steel and Concrete Coatings)
15. High Density Polyethylene Pipe
16. PVC Pipe
17. Reinforcing Steel
18. Welded Wire Reinforcement
19. Polymer Overlay Materials (High Friction Surfacing and Bridge Deck Overlay materials)
20. Epoxy and Resin Based Adhesive Bonding Systems
21. Elastomeric Bridge Bearing Pads
22. Warm Mix Asphalt

Ongoing Activities supporting NTPEP and APEL expansion and promotion:
NTPEP staff has revised the committee website and maintain data and information for the committee, http://www.ntpep.org. The program’s success is largely due to public-private partnerships, demonstrating the added value from testing and auditing materials under a national program which produces independent unbiased data for product evaluations by our member departments. AASHTO staff and members make regular presentations at various regional and national conferences and liaison reports are provided to other AASHTO committees.

Goals for Next 3 Years:

- Continue to increase the use of NTPEP results through speaking engagements, training opportunities, and peer exchanges.
- Promote the use of the APEL program to facilitate consistent review of innovative and proprietary products for the highway market.
- Coordinate additional collaborative online communication for committee correspondence.
- Establish a greater presence in the AASHTO community. Work with the SCOH Subcommittees to increase awareness and add additional product evaluations relevant to any unmet needs of these groups.
- Structure the NTPEP organization to handle program growth – two additional technical committees are being formed by NTPEP; one for the evaluation of Guardrail manufacturing and one for the evaluation of Metal Pipe fabrication facilities. These programs should be ready for product evaluations to begin in 2014.

Upcoming Meetings:
NTPEP 2014 annual meeting of the NTPEP Committee
- Dates: April 20th through April 25th – Location: Greenville, South Carolina
OFFICERS:
Chair: Ken Sweeney, ME - Region 1
Members: Mark McConnell, MS, Region 2
Gregory Johnson, MI - Region 3
Cathy Nelson, OR - Region 4
Marty Vitale, AASHTO, Secretary

REVIEW OF SUBCOMMITTEE CHARGE STATEMENT:
- The charge statement has been reviewed and determined to be relevant. The policy statements are current and relevant. No changes necessary.

SCHEDULE OF NEW/UPDATED PUBLICATIONS AND OTHER ACTIVITIES FOR 2012-2013:
 Continue progress with the online database. Several states need to utilize and update their records.

EXPECTED GOALS FOR NEXT 5 YEARS:
- Find a permanent location for the historical data and files for the Special Committee that dates back to 1926. These files should be scanned and saved on some type of disc for backup of all these records. We are looking at vendors and will make a decision before the end of 2013.
- Begin to create a database for the U.S. Bicycle Route Systems since states are beginning to see the benefits and are applying for permanent numbers.

UPCOMING MEETINGS:
- Special Committee USRN
  - 2013 Spring Meeting Rhode Island
  - 2013 Annual Meeting Colorado
  - 2014 Spring Meeting Kentucky
  - 2014 Annual Meeting North Carolina
SPECIAL COMMITTEE ON WIRELESS COMMUNICATIONS TECHNOLOGIES (SCOWCT)

Officers
Chair  William A. Brown, VA  
Vice Chair  David S. Chase, NH  
Secretary  William Brownlow, AASHTO  
AASHTO Liaison  William Brownlow  
U.S. DOT Ex Officio Member  James Arnold

Review of Subcommittee charge statement

Existing
No change to existing charge statement.

Proposed Schedule

New or Updated Publications

Other Activities For The Coming Year

- Participate in the Joint Committee meeting with the Special Committee on Transportation Security and Emergency Management.

The Committee will sponsor a booth at the International Wireless Communications Expo in March 2013. This is the largest event for the Public Safety Communications community, attended by more than 350 vendors, organizations, and several thousands of public safety communications officials.

Upcoming Meetings

- August 19 – 22, 2013, Joint Committee meeting with the Special Committee on Transportation Security & Emergency Management, Irvine, California

GOALS

The Special Committee on Wireless Communications Technologies will continue to raise the awareness of the Committee in two fronts. First, it will continue to participate and conduct joint meetings with other committees within AASHTO and the Transportation community. This will raise the value of the Committee’s members and of wireless communications technologies within the member organizations. Second, elevate the posture of the states’ DOTs and the transportation community within the Public Safety Community and at the Federal Communications Commission. Such visibility is critical to ensure that the emergency response communications needs of DOTs, transit, and critical infrastructure are known and appreciated by those responsible for planning communications systems. Examples are the continuing participation by Bill Brownlow on various national Public Safety Communications Organizations, and the participation of several state DOT Wireless personnel on national committees dealing with Homeland Security and Technical Standards.

The Committee will continue to represent the best interests of AASHTO and the transportation community by providing recommendations and comments to the FCC on Notices of Proposed Rule Making and at other opportunities to provide input to FCC policy. The SCOWCOT has been heavily involved in defending the 5.9 GHz band for Connected Vehicle technologies and supported ITS-America on several occasions on the same issue to prevent interference to this critical program.

The Committee emphasizes the need for all departments to maintain a trained staff of wireless and communications professionals, with the necessary visibility within the organizational structure to be incorporated in their department’s current and long range programs that can benefit from modern wireless communications technologies. This includes the need to support their attendance at AASHTO events and relevant trade shows that will help maintain currency of technical expertise in this most rapidly changing field.
WHEREAS, Effective Transportation System Management and Operations (TSM&O) is a major component of addressing highway system congestion, safety, and reliability; and

WHEREAS, The effectiveness of TSM&O can be significantly improved through technical leadership, sharing of best practices, research, and professional education & training to practitioners; policymakers and researchers; and

WHEREAS, AASHTO has adopted a Guide to System Operations and Management which recognizes the importance of organizational and workforce development to effective performance-oriented state TSM&O programs; and

WHEREAS, In light of the success of similar services provided by the AASHTO Center for Environmental Excellence and the AASHTO Center for Excellence in Project Finance, the Subcommittee on Systems Operation and Management (SSOM) sponsored a NCHRP 20-7 project to outline the needs and desired capabilities for an Operations Center of Excellence (Operations CoE), relationships with other initiatives and resources, assess alternative business models for development and support; and

WHEREAS, The SHRP2 Reliability research program has completed several products including a Knowledge Transfer System that is foundational to the establishment of an Operations CoE; and

WHEREAS, The SHRP2 Reliability research program is developing a mechanism of Regional Operations Forums to enhance the continued development of national peer networks that will both support and benefit from an Operations CoE; and

WHEREAS, SSOM supports the AASHTO member departments who recognize and anticipate the benefits and value of an Operations CoE; and

WHEREAS, SSOM met at the 2013 SSOM Annual Meeting from April 9-10, 2013, in Phoenix, Arizona, and agreed by consensus to adopt a resolution to collectively work towards establishment of Operations CoE now therefore be it

RESOLVED, That SSOM strongly recommends the establishment of a dedicated Operations CoE to mainstream and improve the TSM&O programs and practices through technical leadership, sharing of best practices, research and professional education and training to practitioners, policymakers and researchers; be it further

RESOLVED, That SSOM recommends and commits to support the completion of a business plan to incorporate a specific implementation approach for an Operations CoE; and be it further

RESOLVED, That SSOM will collaborate with other Standing Committee on Highways (SCOH) operations subcommittees including the Highways Subcommittee on Maintenance (SCOM), Subcommittee on Traffic Engineering (SCOTE), Subcommittee on Highway Transport (SCOHT), Special Committee on Transportation Security and Emergency Management (SCOTSEM) and the Special Committee on Wireless and Technology (SCOWCoT), and requests their review, concurrence and comments; and be it further

RESOLVED, This Resolution be adopted by SSOM and forwarded to SCOM, SCOTE, SCOTSEM, SCOWCoT and SCOHT for review, concurrence and approval and finally be it further

RESOLVED, This SSOM approved Resolution be submitted to SCOH for approval and forwarded to the AASHTO Board of Directors for final approval and implementation.

Approved April 10, 2013
SSOM – Phoenix, Arizona
WHEREAS, The purpose of the TC3 is to improve training opportunities for transportation technical workers, while applying innovative measures to reduce cost and duplication of effort, and

WHEREAS, TC3 was initially developed as a partnership among State Departments of Transportation, the Federal Highway Administration (FHWA) and AASHTO, and

WHEREAS, The federally administered pooled fund will sunset in FY2014, and

WHEREAS, The TC3 combined resources and knowledge to develop standardized technical training materials for all stakeholders

WHEREAS, Courses provided by the TC3 are developed through a collaboration of national best practices and content matter experts, and

WHEREAS, Over the first ten years of its history, the TC3 gathered momentum by developing high-quality products for its customers; responding to the curriculum needs of the DOTs; and establishing a proven course development process, and

WHEREAS, The TC3 now has more than 80 online training courses available, covering relevant topics in the areas of construction, maintenance, and materials, and

WHEREAS, TC3 is dedicated to help protect against the loss of knowledge for the transportation workforce as the current workforce retires, and

WHEREAS, TC3’s mission, vision and commitment to training are aligned with AASHTO’s strategic plan, goals 3D and 4C, and

WHEREAS, After successful establishment as an AASHTO Technical Services Program, TC3 is intended to transition to a self-supporting training program through implementation of subscription and/or course fees now, therefore, be it

RESOLVED, That the AASHTO Board of Directors recommends the establishment of the Transportation Curriculum Coordination Council (TC3) as a voluntary AASHTO Technical Service Program for the development and maintenance of high quality training for the transportation technical workforce; and further be it

RESOLVED, The TC3 AASHTO Technical Service Program will support the participation of member departments at an annual meeting, which is convened for the development of new training courses, collaboration on needed curriculum revisions, and updates to current training courses; and further be it

RESOLVED, The TC3 AASHTO Technical Service Program may support the involvement of professional technical writers and training development experts in the development of new training courses or major revisions of current training courses; and finally, be it

RESOLVED, That TC3 AASHTO Member Departments will be asked to sponsor this Technical Service Program by contributing a voluntary assessment of $20,000 per sponsor annually to fund the establishment and ongoing activities of the program.