



Joint Meeting of the AASHTO Committee on Design and Council on Active Transportation

In collaboration with
TRB Roadside Safety Design Committee

July 21–26, 2019

Peppermill Reno | Reno, Nevada



AGENDA

Joint Main Agenda | Page 3

Flexible Design Workshop Agenda | Page 9

Council on Active Transportation Agenda | **CAT** | Page 10

Committee on Design Agenda | **COD** | Page 11

Joint Technical Committee on Non-Motorized Transportation Agenda | **JTCNMT** | Page 12

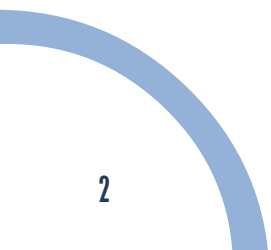
Technical Committee on Environmental Design Agenda | **TCED** | Page 13

Technical Committee on Project Management Agenda | **TCPM** | Page 14

Technical Committee on Geometric Design Agenda | **TCGD** | Page 16

Technical Committee on Hydrology & Hydraulics Agenda | **TCHH** | Page 18





Day 1 | Sunday, July 21

Noon–5:00 p.m.

JOINT Registration—*Tuscany Foyer*

1:00 p.m.–5:30 p.m.

TRB TRB Roadside Safety Design Committee Meetings—*Tuscany 1&2*
 1:00 p.m.–3:30 p.m. **AFB20(2) International Research Activities Subcommittee**
 3:30 p.m.–5:30 p.m. **AFB20(1) Computational Mechanics Subcommittee**

Day 2 | Monday, July 22

7:00 a.m.–5:00 p.m.

JOINT Registration—*Tuscany Foyer*

7:00 a.m.–8:00 a.m.

JOINT Breakfast—*Tuscany E&F*

8:00 a.m.–Noon

JOINT CAT|COD|TCGD|JTCNMT|TCED
Flexible Design Workshop—*Tuscany 5*
TCHH Technical Committee on Hydrology & Hydraulics—*Tuscany 11*
TCEE Technical Committee on Electronic Engineering Standards—*Tuscany 4*
TCPM Technical Committee on Project Management—*Tuscany 12*
JOINT Technical Committee on Roadside Safety|TRB Joint Meeting—*Tuscany 1&2*

9:45 a.m.–10:15 a.m.

JOINT Break—*Tuscany Foyer*

Noon–1:00 p.m.

JOINT Lunch—*Tuscany E&F*

1:00 p.m.–2:45 p.m.

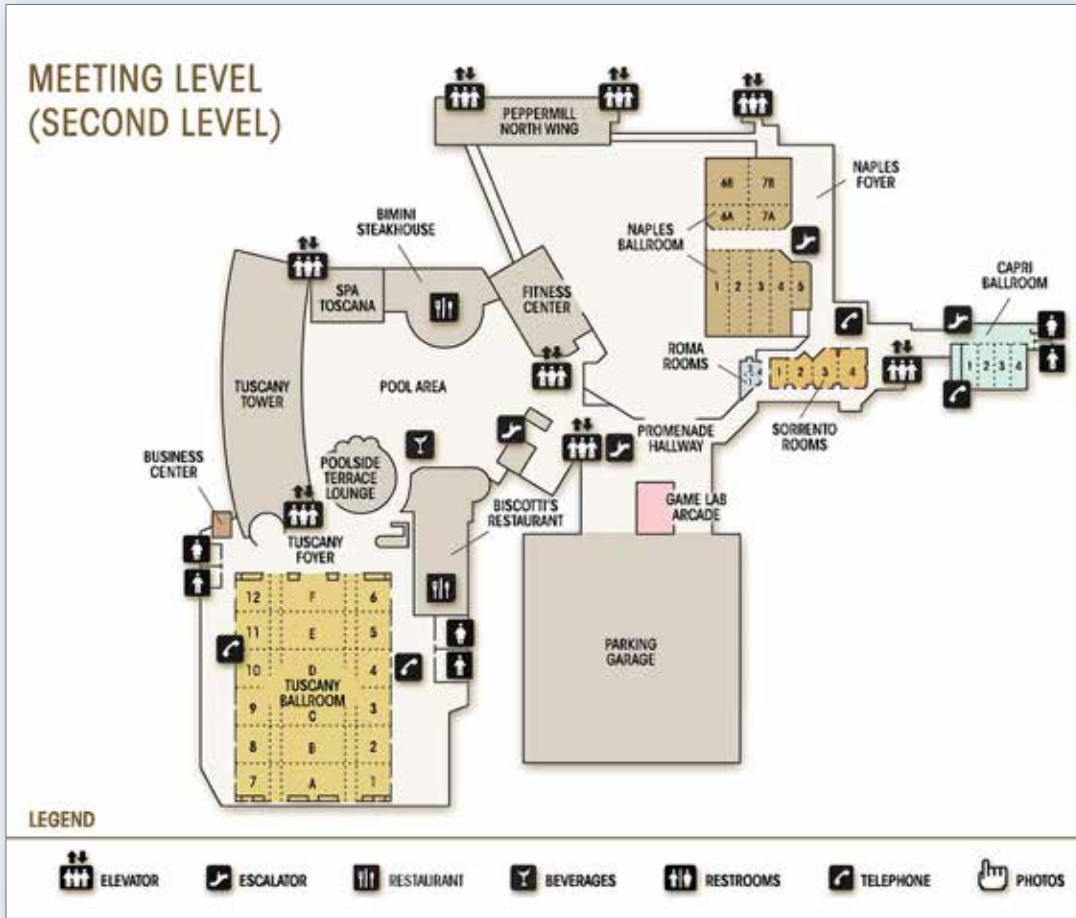
JOINT Opening Session—*Tuscany C&D*
 Host State Welcome: **Cole Mortenson**, *Deputy Director, Nevada DOT*
 Panel Moderator: **Jim Tymon**, *Executive Director, AASHTO*
 Panel Members: **Leslie Richards**, *Secretary, Pennsylvania DOT; Chair, Council on Active Transportation*
Joyce Taylor, *Chief Engineer, Maine DOT; Vice Chair, Committee on Design*
Nicole Nason, *Administrator, FHWA*
Cole Mortenson, *Deputy Director, Nevada DOT*
Jim Tymon, *Executive Director, AASHTO*

2:45 p.m.–3:15 p.m.

JOINT Break—*Tuscany Foyer*

3:15 p.m.–5:00 p.m.

JOINT CAT|COD|TCGD|TCED
Concurrent Session: Design Flexibility—*Tuscany 6*
 Session Moderator: **Faisal Hameed**, *Vice President, EXP; Chair, TRB Subcommittee on Context Sensitive Design/Solutions AFB001*
Completing Florida's Streets | *Paul Hiers, Manager, Production Support Office, Florida DOT*
Next-Gen CSS: An Agency Perspective | *Andrew Beagle, Engineer, City of Olympia, WA (formerly Washington State DOT)*
VDOT Common Sense Design Approach | *Susan Keen, State Location and Design Engineer, Virginia DOT*



COMMITTEE KEY

COD Committee on Design	TCGD Technical Committee on Geometric Design
CAT Council on Active Transportation	TCHH Technical Committee on Hydrology & Hydraulics
JTCNMT Joint Technical Committee on Non-Motorized Transportation	TCPM Technical Committee on Project Management
TCEES Technical Committee on Electronic Engineering Standards	TCRS Technical Committee on Roadside Safety
TCED Technical Committee on Environmental Design	TRB Transportation Research Board

Concurrent Session: Multi-Modal Safety—Tuscany 5

Session Moderator: **Toks Omishakin**, Deputy Commissioner, Tennessee DOT;
Vice Chair, Council on Active Transportation

Heads Up! | Patrick Adams, Active Transportation Planner, Maine DOT

Safe Systems Approach | Jeanie Ward-Waller, Sustainability Program Manager, California DOT

How to Develop a Pedestrian and Bicycle Safety Action Plan | Keith Harrison, Senior Safety & Design Engineer, FHWA

Human Factors Guide | Kohinoor Kar, Transportation Engineer Manager, Arizona DOT

Studying Visual Experience to Inform Infrastructure Design | Carrie Sauer, Director, Center for Safety Mobility,
University of Pennsylvania

JTCNMT Joint Technical Committee on Non-Motorized Transportation—Tuscany 10

TCHH Technical Committee on Hydrology & Hydraulics—Tuscany 11

TCEES Technical Committee on Electronic Engineering Standards—Tuscany 4

TCPM Technical Committee on Project Management—Tuscany 12

JOINT Technical Committee on Roadside Safety|TRB Joint Meeting

Breakout Session A: Roadside Safety Research Needs—Tuscany 3

Breakout Session B: State Processes for Determining Systems Eligibility—Tuscany 1&2

Breakout Session C: Non-Standard Barrier Locations—Tuscany 9

5:30 p.m.–7:00 p.m.

JOINT Welcome Reception—Edge

Edge is located inside Bimini Steakhouse; take elevator up one floor.

Day 3 | Tuesday, July 23

7:00 a.m.–5:00 p.m.

JOINT Registration—Tuscany Foyer

7:00 a.m.–8:00 a.m.

JOINT Breakfast—Tuscany E&F

8:00 a.m.–Noon

TCHH Technical Committee on Hydrology & Hydraulics—Tuscany 11

TCEES Technical Committee on Electronic Engineering Standards—Tuscany 4

TCPM Technical Committee on Project Management—Tuscany 12

TCED Technical Committee on Environmental Design—Tuscany 5

8:00 a.m.–9:45 a.m.

JOINT CAT|COD|TCGD|JTCNMT

Joint Session—Tuscany C&D

Welcome & Opening Remarks | Carlos Braceras, Executive Director, Utah DOT; AASHTO President; Chair,
Committee on Design; and Leslie Richards, Secretary, Pennsylvania DOT; Chair, Council on Active Transportation

Liability, Accountability, and Roadway Design | Jay L. Smith, Assistant Chief Counsel, Missouri DOT

PROWAG | Elizabeth Hilton, Geometric Design Program Manager, FHWA

Designing Pedestrian Facilities to Meet ADA Compliance | Jeff Jasper, Research Engineer, Kentucky Transportation
Center

NCHRP 15-63 Guidance to Improve Pedestrian and Bicycle Safety at Intersections | Libby Thomas, Senior Research
Associate, University of North Carolina

Right-Sizing Streets | Jim Rosenow, Design Flexibility Engineer, Minnesota DOT

Discussion: Pedestrian and Bicycle Safety | Toks Omishakin, Deputy Commissioner, Tennessee DOT; Vice Chair,
Council on Active Transportation

JOINT Technical Committee on Roadside Safety|TRB Joint Meeting—Tuscany 1&2

AGENDA

9:45 a.m.–10:15 a.m.

JOINT Break—*Tuscany Foyer*

10:15 a.m.–Noon

JOINT CAT|COD|TCGD|JTCNMT

Joint Session—*Tuscany C&D*

Session Moderator: **Leslie Richards**, *Secretary, Pennsylvania DOT; Chair, Council on Active Transportation*

Bicycle Guide Update | *Charlotte Claybrooke, Active Transportation Programs Manager, Washington State DOT*

Green Book 8 Update | *Jeff Jones, Assistant Chief Engineer, Tennessee DOT*

Review & Ballot Process for Joint Publications | *Patricia Bush, AASHTO*

Research Ranking Processes | *Sofie Rhoads, AASHTO; Patricia Bush, AASHTO*

NCHRP Research | *Ray Derr, Senior Program Officer, TRB*

Discussion: Potential Research Topics of Mutual Interest | *Joyce Taylor, Chief Engineer, Maine DOT;*

Vice Chair, Committee on Design

JOINT Technical Committee on Roadside Safety|TRB Joint Meeting

Breakout Session D: Third-Party Review and Evaluation Process—*Tuscany 1&2*

Breakout Session E: Roadside Hardware for Non-Standard Locations—*Tuscany 3*

Breakout Session F: MASH Update Research Needs—*Tuscany 9*

Noon–1:00 p.m.

JOINT Lunch—*Tuscany E&F*

12:30 p.m.–6:00 p.m.

JOINT CAT|COD|JTCNMT|TCHH

Tour of SR-28 Shared Use Path (Optional)—*Peppermill Lobby*

Pre-registration required, and box lunch provided. Be sure to arrive in the hotel lobby by 12:30 p.m. for departure at

12:45 p.m.

1:00 p.m.–5:00 p.m.

TCGD Technical Committee on Geometric Design—*Tuscany 6*

TCEES Technical Committee on Electronic Engineering Standards—*Tuscany 4*

TCPM Technical Committee on Project Management—*Tuscany 12*

TCED Technical Committee on Environmental Design—*Tuscany 5*

1:00 p.m.–2:45 p.m.

JOINT Technical Committee on Roadside Safety|TRB Joint Meeting—*Tuscany 1&2*

2:45 p.m.–3:15 p.m.

JOINT Break—*Tuscany Foyer*

3:15 p.m.–5:00 p.m.

JOINT Technical Committee on Roadside Safety|TRB Joint Meeting

Breakout Session G: International Roadside Safety Conference—*Tuscany 3*

Breakout Session H: Improving Collaborative Decision Making Using ISPE—*Tuscany 1&2*

Breakout Session I: Motorcycles and Roadside Hardware Research Needs—*Tuscany 9*

Day 4 | Wednesday, July 24

7:00 a.m.–4:00 p.m.

JOINT Registration—*Tuscany Foyer*

7:00 a.m.–8:00 a.m.

JOINT Breakfast—*Tuscany E&F*

8:00 a.m.–Noon

CAT Council on Active Transportation—*Tuscany D*

COD Committee on Design Regional Meetings

Region 1—*Tuscany 5*

Region 2—*Tuscany 1*

Region 3—*Tuscany 12*

Region 4—*Tuscany C*

TCGD Technical Committee on Geometric Design (*By Invitation Only*)—*Tuscany 6*

JTCNMT Joint Technical Committee on Non-Motorized Transportation—*Tuscany 3*

TCHH Technical Committee on Hydrology & Hydraulics—*Tuscany 11*

TCEES Technical Committee on Electronic Engineering Standards—*Tuscany 4*

JOINT Technical Committee on Roadside Safety | TRB Joint Meeting—*Tuscany 2*

9:45 a.m.–10:15 a.m.

JOINT Break—*Tuscany Foyer*

Noon–1:00 p.m.

JOINT Lunch—*Tuscany E&F*

1:00 p.m.–2:45 p.m.

CAT Council on Active Transportation—*Tuscany D*

COD General Session—*Tuscany C*

TCGD Technical Committee on Geometric Design—*Tuscany 6*

JTCNMT Joint Technical Committee on Non-Motorized Transportation—*Tuscany 3*

TCHH Technical Committee on Hydrology & Hydraulics—*Tuscany 11*

TCRS Technical Committee on Roadside Safety (*By Invitation Only*)—*Tuscany 12*

2:45 p.m.–3:15 p.m.

JOINT Break—*Tuscany Foyer*

3:15 p.m.–5:00 p.m.

CAT Council on Active Transportation—*Tuscany D*

JOINT COD | TCRS Joint Business Meeting (*Closed Meeting | State DOTs Only*)—*Tuscany C*

TCGD Technical Committee on Geometric Design—*Tuscany 6*

JTCNMT Joint Technical Committee on Non-Motorized Transportation—*Tuscany 3*

TCHH Technical Committee on Hydrology & Hydraulics—*Tuscany 11*

5:30 p.m.

JOINT First Bus Departs for Host State Night—*Peppermill Lobby*

Bus continuously loops until 6:15. Don't forget your ballpark tickets!

6:00 p.m.–10:00 p.m.

JOINT Host State Night: Reno Aces—*Greater Nevada Field*

Buses begin departing the game at 8:30 p.m. and continuously loops until 10:00 p.m.

AGENDA

Day 5 | Thursday, July 25

7:00 a.m.–Noon

JOINT Registration—*Tuscany Foyer*

7:00 a.m.–8:00 a.m.

JOINT Breakfast—*Tuscany E&F*

8:00 a.m.–9:45 a.m.

COD Committee on Design Regional Meetings

Region 1—*Tuscany 5*

Region 2—*Tuscany 1*

Region 3—*Tuscany 12*

Region 4—*Tuscany 7&8*

TCGD Technical Committee on Geometric Design—*Tuscany 6*

TCHH Technical Committee on Hydrology & Hydraulics—*Tuscany 11*

TCRS Technical Committee on Roadside Safety—*Tuscany 3*

9:45 a.m.–10:15 a.m.

JOINT Break—*Tuscany Foyer*

10:15 a.m.–Noon

COD General Session—*Tuscany C&D*

TCGD Technical Committee on Geometric Design—*Tuscany 6*

TCHH Technical Committee on Hydrology & Hydraulics—*Tuscany 11*

TCRS Technical Committee on Roadside Safety—*Tuscany 3*

Noon–1:00 p.m.

JOINT Lunch—*Tuscany E&F*

1:00 p.m.–2:45 p.m.

COD Business Meeting—*Tuscany C&D*

TCHH Technical Committee on Hydrology & Hydraulics—*Tuscany 11*

TCRS Technical Committee on Roadside Safety—*Tuscany 3*

2:45 p.m.–3:15 p.m.

JOINT Break—*Tuscany Foyer*

3:15 p.m.–5:00 p.m.

TCHH Technical Committee on Hydrology & Hydraulics—*Tuscany 11*

TCRS Technical Committee on Roadside Safety—*Tuscany 3*

Day 6 | Friday, July 26 | Meetings will be located in the Peppermill Tower

7:00 a.m.–8:00 a.m.

JOINT Breakfast—*Sorrento Foyer*

8:00 a.m.–Noon

TCHH Technical Committee on Hydrology & Hydraulics—*Sorrento 1&2*

TCRS Technical Committee on Roadside Safety—*Sorrento 3&4*

9:45 a.m.–10:15 a.m.

JOINT Break—*Sorrento Foyer*

Noon

JOINT Lunch on Your Own

CENTER FOR ENVIRONMENTAL EXCELLENCE

FLEXIBLE DESIGN WORKSHOP

Monday, July 22, 2019 | Tuscany 5

7:30 a.m.–8:00 a.m.

Networking Breakfast

8:00 a.m.–8:30 a.m.

Welcome, Overview and Setting the Stage | Moderator: Joyce Taylor, Maine DOT

FHWA (Shari Schaftlein) and TRB (Faisal Hameed) will give an overview of the current state of the practice. Nancy Boyd (TRB) will address practical design and the Green Book. The speakers will also provide information on available resources and explain the rules of the workshop.

8:30 a.m.–10:00 a.m.

Facilitated Roundtables | Facilitators: Andrew Beagle, Nancy Boyd, Faisal Hameed, Keith Harrison

Workshop participants will break into small groups. Each roundtable will be assigned a facilitator and a notetaker. Participants will discuss the current state of the practice, how to measure the benefits of practical design, and training and resource needs at state DOTs. A list of discussion topics will be provided.

10:00 a.m.–10:15 a.m.

Break

10:15 a.m.–11:45 a.m.

Roundtable Report Out and Discussion

Each group will have 2–3 minutes to summarize the key points discussed during the facilitated discussions.

11:45 a.m.–Noon

Moving Forward and Next Steps

COUNCIL ON ACTIVE TRANSPORTATION MEETING

Wednesday, July 24 | Tuscany D

8:00 a.m.–9:45 a.m.

Welcome | *Leslie Richards, Secretary, Pennsylvania DOT; Chair, Council on Active Transportation*

Bikeway Selection Guide | *Shari Schaftlein, Director, Office on Human Environment, FHWA*

NCHRP Report 893: Systemic Pedestrian Safety Analysis | *Libby Thomas, Senior Research Associate, University of North Carolina*

Evaluation of Walk and Bicycle Demand Modeling | *Robert Chamberlin, Senior Director, RSG Inc.*

Jack A. Markell Trail | *Jeff Niezgoda, Planning Division Assistant Director, Delaware DOT*

10:15 a.m.–Noon

Demonstration of the Bicycle Safety Map | *Laura Crawford, UD Bicycle Route System Coordinator, Adventure Cycling Association*

Great American Rail Trail & Transportation Alternatives | *Kevin Mills, Vice President of Policy, Rails to Trails*

2018 Benchmarking Report on Walking and Bicycling | *Bill Nesper, Executive Director, The League of American Bicyclists*

America Walks Overview, Pedestrian Safety, and Micro-Mobility | *Toks Omishakin, Deputy Commissioner, Tennessee DOT; Vice Chair, Council on Active Transportation*
Kevin Mills, Vice President of Policy, Rails to Trails

COUNCIL ON ACTIVE TRANSPORTATION BUSINESS MEETING

Wednesday, July 24 | Tuscany D

1:00 p.m.–2:45 p.m.

Active People, Healthy Nation, Active Routes to Everyday Destinations | *Ken Rose, Senior Policy Advisor, CDC*

Review of FY19 Work Plan and Development of FY20 Work Plan | *Shannon Eggleston, Program Director for Environment, AASHTO*

Center Active Transportation Funding | *Melissa Savage, Director, Center for Environmental Excellence, AASHTO*
Sofie Rhoads, Associate Program Manager for Environment, AASHTO

Priority Research Discussion | *Sofie Rhoads, Associate Program Manager for Environment, AASHTO*

3:15 p.m.–3:45 p.m.

Council Research Roadmap | *Ann Hartell, Senior Program Officer, NCHRP*

3:45 p.m.–5:00 p.m.

NCHRP 20-123 Task 02 CAT Research Roadmap Panel Meeting | *Closed Meeting | Panel Members Only*

COMMITTEE ON DESIGN GENERAL SESSION

Wednesday, July 24 | Tuscany C

1:00 p.m.–2:45 p.m.

Welcome | Carlos Braceras, Executive Director, Utah DOT; AASHTO President; Chair, Committee on Design

Host State Welcome | Scott Hein, Chief Road Design Engineer, Nevada DOT

Introductions

FHWA Update | Rob Mooney, Preconstruction Team Leader, FHWA; Committee on Design Liaison

AASHTO Update | Patricia Bush, Program Manager, AASHTO

TRB Update | Ray Derr, Senior Program Manager, TRB

Mini-Presentations | Maine and Utah

Michigan DOT Use of Project PDF to Step Into Digital Delivery | John Wilkerson, Engineering Support Manager, Michigan DOT

Mini-Presentations | Montana and Connecticut

Thursday, July 25 | Tuscany C&D

10:15 a.m.–Noon

Welcome | Carlos Braceras, Executive Director, Utah DOT; AASHTO President; Chair, Committee on Design

Regional and National Awards | Joyce Taylor, Chief Engineer, Maine DOT; Vice Chair, Committee on Design

Strategies for Accelerating Multimodal Project Delivery | Shari Schaftlein, Director, Office on Human Environment, FHWA

UDOT Open Roads Transition | George Lukes, State Standards and Design Engineer, Utah DOT

Mini-Presentations | New Jersey, Nevada, and South Carolina

Performance Based Practical Design | Rob Mooney, Preconstruction Team Leader, FHWA; Committee on Design Liaison

Progressive Design Build at UDOT | Kris Peterson, Director of Project Development, Utah DOT

COMMITTEE ON DESIGN BUSINESS MEETING

Thursday, July 25 | Tuscany C&D

1:00 p.m.–2:45 p.m.

Welcome | Joyce Taylor, Chief Engineer, Maine DOT; Vice Chair, Committee on Design

Roll Call | Rob Mooney, Preconstruction Team Leader, FHWA; Committee on Design Liaison

Technical Committee Updates | Roadside Safety
 Hydrology & Hydraulics
 Environmental Design
 Electronic Engineering Standards

Regional Meeting Reports | Region 1
 Region 2
 Region 3
 Region 4

Open Discussion

2020 Committee on Design Meeting—Philadelphia, PA | Melissa Batula, Highway Delivery Division Chief, Pennsylvania DOT

JOINT TECHNICAL COMMITTEE ON NON-MOTORIZED TRANSPORTATION AGENDA

Dial: 1-888-585-9008 | Conference #: 261-892-381

Monday, July 22, 2019 | Tuscany 10

- 8:00 a.m. Joint Flexible Design Workshop
- 9:45 a.m. Break
- Noon Lunch
- 1:00 p.m. Joint Opening Session
- 2:45 p.m. Break
- 3:15 p.m. Opening Remarks & Roll Call
- 3:30 p.m. Update to the *Guide for Planning, Design, and Operation of Pedestrian Facilities* | Ingrid Potts and Doug Harwood, MRI Global

Tuesday, July 23, 2019 | Tuscany C&D

- 8:00 a.m. Council on Active Transportation and Committee on Design Joint Session
- 9:45 a.m. Break
- Noon Lunch
- 1:00 p.m. Bike Tour/Attend COD/CAT meetings
- 2:45 p.m. Break
- 5:00 p.m. End of Day

Wednesday, July 24, 2019 | Tuscany 3

- 8:00 a.m. Project Updates | Ray Derr, TRB
- 9:00 a.m. FHWA Update | Darren Buck and Shari Schaftlein, FHWA
- 9:45 a.m. Break
- 10:00 a.m. NCHRP 15-60 Update of the AASHTO *Guide for the Development of Bicycle Facilities* | Bill Schultheiss, Toole Design will join via webinar at 3:00 p.m.
- Noon Lunch
- 2:45 p.m. Break
- 5:00 p.m. Closing Remarks and Adjournment

TECHNICAL COMMITTEE ON ENVIRONMENTAL DESIGN (TCED) SUMMER 2019 BUSINESS MEETING AGENDA

Tuesday, July 23rd | Tuscany 5

8:00 a.m.–Noon | 1:00 p.m.–5:00 p.m.

- **Welcome and Introductions**
- **Discuss Challenges Facing Our TC Membership**
 - Filling vacancies
 - Welcoming/engaging new members
 - Level of effort/participation
- **Share Insights from Monday's Flexible Design Workshop and Peer Exchange**
- **Possible Meet & Greet Opportunity with**
 - TRB CSS Subcommittee Members
 - Committee on Active Transportation (CAT) members
- **Finish Work on *Visualization Guide***
 - Address comments submitted by COD and PennDOT
 - Make necessary changes on-site wherever practical
 - Identify additional short term fixes (newer Case Study, for example)
 - Document our response to comments
- **Revisit Each of the Four Existing Strategic Focus Areas (SFAs)**
 - Review progress and current and future milestones
 - Rebalance small work group assignments
 - Assess need to refine or replace any of the existing SFAs
- **Identify Specific Work Items for Next 12 Months and Long Term**
 - Opportunity to work with TCGD or other TCs?
 - Targeted assistance to individual states?
 - Continue/expand SFAs?
- **Membership Roundtable**
 - 10–15 minute presentations from individual members
 - Showcase local projects
 - Share best practices
- **Solicit Input on TCED Report to COD (Thursday Business Meeting)**

TECHNICAL COMMITTEE ON PROJECT MANAGEMENT MEETING AGENDA

Monday, July 22 | Tuscany 12

8:00 a.m.–Noon | 3:15 p.m.–5:00 p.m.

Old Business

- *CMGC Manual* review
- Updating the literature document
- Re-visiting the research topic submittal

Continuing Business

- Consultant survey progress
- Committee work plan review and discussion
- TxDOT PM roundtable

Tuesday, July 23 | Tuscany 12

8:00 a.m.–Noon | 1:00 p.m.–5:00 p.m.

Project Management Roundtable and Best Practices Discussion

- Each state will talk about what they are doing for different topics including:
 - Cost estimating
 - Setting budgets
 - Schedule and schedule management
 - Improving on time and on budget delivery
 - Alternative delivery methods and project management
 - Scoping of projects
 - NEPA and determining purpose and need

Continuation of Project Management Roundtable and Best Practices Discussion

Round Robin

Open Discussion

AASHTO TECHNICAL COMMITTEE ON GEOMETRIC DESIGN MEETING

Monday, July 22

8:00 a.m.–Noon

Flexible Design Workshop—Tuscany 5

In advance of the AASHTO Committee on Design meeting there will be a Flexible Design Workshop and Peer Exchange. This workshop will provide an opportunity to share current practices about incorporating flexible design into the decision-making process, and raise awareness about context and design flexibility. Other topics will discuss challenges associated with flexible design implementation; including gaps in training, technical assistance, and capacity building needs.

1:00 p.m.–2:45 p.m.

Opening Session for the AASHTO Committee on Design Meeting—Tuscany C&D

3:15 p.m.–5:00 p.m.

Opportunity to Attend One of Two Concurrent Sessions Related to Flexible Design or Safety Related Topics—Tuscany 5 or 6

5:30 p.m.–7:00 p.m.

Evening Host State Welcome Reception—Edge

Tuesday, July 23

8:00 a.m.–Noon

Joint Meeting with Council on Active Transportation, Joint Technical Committee on Non-Motorized Transportation, Technical Committee on Geometric Design, and the TRB Roadside Safety Design Committee—Tuscany C&D

1:00 p.m.–5:00 p.m.

Technical Committee of Geometric Design Meeting—Tuscany 6

1. Welcome/Introductions
2. General Business/Membership Update/Vacant Positions
3. Status of TCGD Publications
4. *Green Book* 7th Edition Chapter Discussion

Chapter Update Team Leads to provide an overview of any known technical corrections needed. An open discussion of any potential technical corrections, unfinished business, and current or future punchlist items will follow.

Wednesday, June 24 | Tuscany 6

8:00 a.m.–5:00 p.m.

Technical Committee of Geometric Design Meeting

1. Closed Technical Committee Meeting

The purpose of the closed meeting is for the Technical Committee Members to have an open discussion and capture comments or concerns related to the recommendations from the Green Book, 8th Edition visioning project. The intent is to provide technical committee feedback to AASHTO leadership including the Committee on Design Members.

2. Continued Discussion of Green Book, 7th Edition Technical Corrections (as needed)

3. NCHRP Project 7-27, An Update of the Green Book Design Vehicles | *Doug Harwood and Ingrid Potts, MRI Global*

4. NCHRP Project 15-56, Guidelines for Selecting Ramp Design Speeds | *Darren Torbic, MRIGlobal*

5. Implementation of Green Book, 7th Edition Context Classifications

- *Presentation on the Florida DOT approach by Paul Hiers, FDOT*
- *Presentation on the Minnesota DOT approach by Jim Rosenow, MNDOT*

Thursday, June 25 | Tuscany 6

8:00 a.m.–Noon

Technical Committee of Geometric Design Meeting

1. NCHRP 15-50 (01), Implementation Assessment of 3R Design Guidelines | *Doug Harwood, MRI Global*

Overview of the project including a status of the state's piloting the implementation of this updated 3R guidance.

2. Potential Research Needs Statements

TECHNICAL COMMITTEE ON HYDROLOGY & HYDRAULICS MEETING AGENDA

Monday, July 22 | Tuscany 11

8:00 a.m.–Noon

Internal Business Meeting

- **Welcome and Housekeeping** | *Steve Sisson, Delaware DOT*
 - Meeting Minutes Volunteers! | *Carl Spirio, Florida DOT; Nick Wark, Vermont AOT; Dave Hedstrom, Montana DOT*
 - Introductions | Attendees
 - TCHH Annual Business
 - Update TCHH Member Areas of Expertise and Contact Info
 - Future Meetings (TRB)
 - Past Meeting Minutes | *Carl Spirio, Florida DOT; Steve Sisson, Delaware DOT*
 - Friends of the Committee | *Steve Sisson, Delaware DOT; Patricia Bush, AASHTO*
 - TCHH Awards | *Steve Sisson, Delaware DOT; Patricia Bush, AASHTO*
- **FHWA Update** | *Joe Krolak, FHWA*
- **AASHTO Update** | *Patricia Bush, AASHTO*

Noon | **Lunch**

1:00 p.m.–2:45 p.m. | **Opening Session**

2:45 p.m.–3:15 p.m. | **Break**

3:15 p.m.–5:00 p.m.

Internal Business Meeting | *Closed Meeting*

- **Concerns of the States/Lessons Learned—Round Robin** | *All TCHH members*
- **Web Page Brain Storming**

Tuesday, July 23 | Tuscany 11

8:00 a.m.–Noon

FHWA Updates/Climate

- **FHWA Climate Update** | *Brian Beucler, FHWA*
- **HEC-25 Update** | *Brian Beucler, FHWA*
- **FHWA Hydraulics Research Activities** | *Kornel Kerényi, FHWA*
 - Scour modeling/In-situ Scour Testing Device Demonstrations (10–15 Minutes)
 - Curb Inlet Modeling (10–15 Minutes)
 - Physics-Based Approach to Estimate Bank Full Width (10–15 Minutes)
- **2020 National Hydraulic Engineering Conference** | *Cynthia Nurmi, FHWA*
- **9:45 a.m. Break and Group Photo**
- **Discussion of Questions Brought up During Concerns of the State**

Noon | **Lunch**

1:00 p.m.–5:00 p.m.

Field Trip: Lake Tahoe Bikeway

Wednesday, July 24 | Tuscany 11

8:00 a.m.–11:45 a.m.

Extreme Events 2018 Recap

- Matt Lauffer, North Carolina DOT
 - Randel Mungo, South Carolina DOT
 - Carl Spirio, Florida DOT
 - Charles Hebson, Maine DOT
-

11:45 a.m. | **Lunch**

1:00 p.m.–5:00 p.m.

Research/Hydrolink | *Open Meeting*

- **COE/TRB Update and Coordination** | *Jeff Syer, Ohio DOT*
 - Research Strategic Plan
 - **Hydrolink Articles Ideas** | *Andrea Hendrickson, Minnesota DOT*
 - **Work Group/Work Plans**
 - **Fish Passage** | *Julie Heilman, Washington State DOT*
-

Thursday, July 25 | Tuscany 11

8:00 a.m.–11:45 a.m.

Research Status Reports & Topics

- **NCHRP Update** | *Waseem Dekelbab, Senior Program Officer, NCHRP; Jeff Syer, Ohio DOT*
 - Workshops
 - **Active NHCHRP Project Updates from Panel Members**
 - 20-07/417 ADM Reorganization | *Andrea Hendrickson, Minnesota DOT*
 - 15-61 Climate | *Dave Claman, Iowa DOT*
 - 25-60 Watershed Approach | *Brad McManus, Georgia DOT*
 - 20-59 Flood Cast | *Saul Nuccitelli, Texas DOT*
 - 50-02 Hydraulic State of Practice Synthesis | *Saul Nuccitelli, Texas DOT*
 - **TRB AFB60 Hydraulics Activities** | *Jeff Syer, Ohio DOT or Designee*
 - **Research Plan and Proposals** | *Jeff Syer, Ohio DOT*
 - TCHH FY 2019 and FY 2020 Research Submittals
 - Remaining research topics—TCHH
 - Research Needs Statements—consider topics from week's discussions
-

11:45 a.m. | **Lunch**

12:45 p.m.–5:00 p.m.

Information Exchange | *Open Meeting*

- **SWM Retrofits** | *Julie Heilman, Washington State DOT*
 - **Partnering with Local Communities** | *Carl Spirio, Florida DOT*
 - **Work Groups**
 - **Team Building Activity**
-

Friday, July 26 | Sorrento 1&2

8:00 a.m.–11:30 a.m.

TCHH Meeting

- **Work Groups**
- **Recap**

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