AASHTO Technical Committee on Environmental Design (TCED)

Report to AASHTO Subcommittee on Design
Baltimore, Maryland
June 21, 2016

Presented by
Louis E. Feagans, P.E.
Statewide Technical Services Director
Indiana DOT
TCED Membership

REGION 1
S. DiNezio (MA)
P. Bell (NY)
~ Vacant ~
~ Vacant ~

REGION 2
J. Caster (FL)
A. Johnson (MS)
~ Vacant ~
~ Vacant ~

REGION 3
L. Feagans (IN)
L. Hilden (IN)
B. Hofer (IA)
D. Larson (MN)

REGION 4
K. Robinson (CA)
G. Vitley (ID)
E. Thunstrom (MT)
N. Boyd (WA) *

AASHTO
P. Bush

FHWA
K. Harrison
Current Priorities

• Balloting and publication of two new guides

Replaces 2003 Edition

Replaces 1991 Document
The Visualization Guide Update, consisting of 110 pages, is ready for submission to AASHTO for voting. Final image credits are being confirmed.
Greatly Expanded Table of Contents

- Expanded Types of Visualization and Technologies
- Expanded Processes and Methodologies
- Expanded Glossary of Terms
- Benefits/Constraints
- Expanded Output Delivery Methods

Relevant Case Studies Were Added

- Georgia Department of Transportation (GDOT): US-19 / State Route 9 & State Route 60
- Wisconsin Department of Transportation (WisDOT): Zoo Interchange Project
- Minnesota Department of Transportation (MnDOT) and Wisconsin Department of Transportation (WisDOT): St. Croix River Crossing
- Connecticut Department of Transportation (CTDOT): I-95 New Haven Harbor Crossing
- New York State Thruway Authority (NYSTA): New NY Bridge (Tappan Zee) Replacement
AASHTO Visualization Guide Update
Proposal for Alternative Guide Delivery Development for the AASHTO Visualization Guide

Future Possibilities

An Online Web-based Portal

- Proposal to develop & provide research results, case-study examples and guidance material as a more effective resource for providing complex information

- Web-based Portal would enable periodic and more cost-effective updates (general content, case-studies, animations, progress reporting through construction completion)

http://choosingviz.org/
"Landscape" Guide Reimagined
## Future Priorities

### TOP 5 ISSUES and Challenges Facing the TCED

<table>
<thead>
<tr>
<th>Category</th>
<th>Ranking</th>
<th>Votes Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SWM/Hydraulic Design/Env. Permitting</strong></td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td><strong>CSS / Flexible Design/ Environmental Design</strong></td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td><strong>Sustainability</strong></td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>SWM/Hydraulic Design/Env. Permitting</strong></td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>Climate change</strong></td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td><strong>Tracking Environmental Commitments</strong></td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td><strong>ROW Issues Related to Project Requirements</strong></td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td><strong>Change Management</strong></td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>(e.g. Changes that occur relative to project development from design to construction completion)</td>
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<tr>
<td><strong>Complete Streets</strong></td>
<td>5</td>
<td>3</td>
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Of the 24 total items proposed in the Fall of 2015, the 5 listed above (in **Bold Italics**) were selected as having the most potential value to AASHTO.
Future Priorities

• Goals for 2016 and beyond
  – Continue to seek out opportunities to work collaboratively with other TCs
  – Establish formal ties to SCOE (in addition to SCOD)
  – Pursue action items in support of the priority issues identified by TCED members
Needs & Concerns

– Need to fill 2* vacant positions to bring TC back up to full strength

– As has been the case for many years, States restrictive travel budgets and policies continue to hamper members ability to travel to face-to-face meetings
Thank You!