

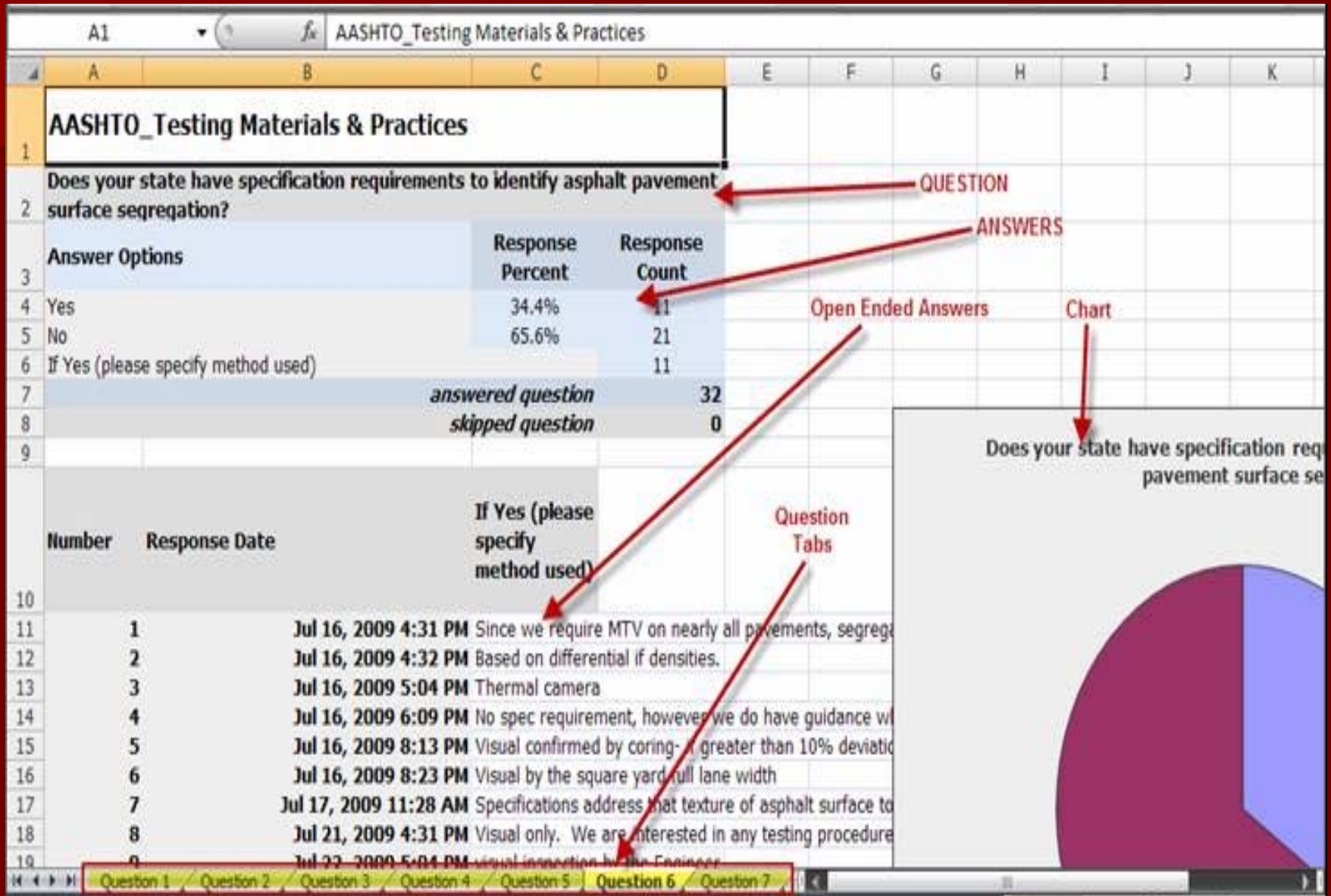
AASHTO Subcommittee on Construction 2009 Annual Meeting

Summary of C&T Section Work
Plan Surveys
Tuesday, August 4, 2009

There were three surveys conducted by the Computers & Technology Section over the past year. The three survey were:

- Testing and Evaluation of Pavement and Bridge Smoothness - identify how different agencies conduct smoothness testing on their construction projects
- Electronic Records - identify how different agencies store and manage documents
- Use of New Technology and Innovation in Testing of Materials and Construction Practices - identify how different agencies conduct testing using innovation on their construction projects

To use the excel summary, each question has a tab in the spreadsheet to make viewing the individual responses easier .



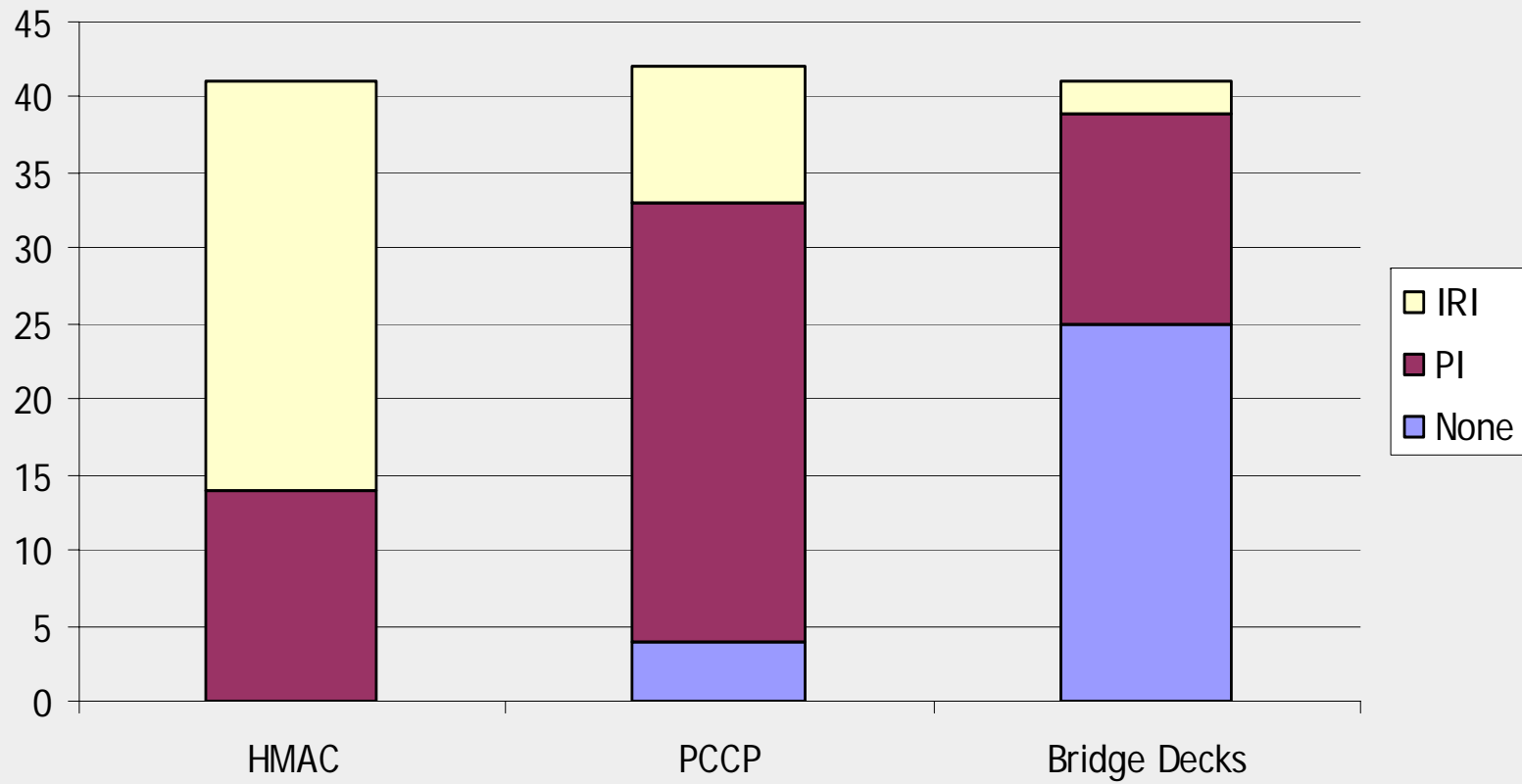
Does your state use International Ride Index (IRI) or Profile Index (PI) in its measurement of newly constructed pavements (HMAC and PCCP) and bridge decks for acceptance purposes:

Answer Options	IRI	PI	None	Response Count
HMAC	27	14	0	41
PCCP	9	29	4	42
Bridge Decks	2	14	25	41
Additional Comments (please specify)				23
<i>answered question</i>				43
<i>skipped question</i>				0

Number	Response Date	Additional Comments (please specify)
1	Apr 22, 2009 3:08 PM	CDOT uses Half Car IRI. We use HRI or PI for bridge decks dependant on the surface material. An include a 10ft straight edge requirement.
2	Apr 22, 2009 3:32 PM	Pavement smoothness special provisions are included in projects determined by a committee. Moving toward IRI for PCCP.
3	Apr 22, 2009 6:26 PM	We check ride on Bridge Deck with a 10' straight edge.
4	Apr 24, 2009 4:59 PM	None.
5	Apr 24, 2009 7:08 PM	Bridge decks are tested with rolling straight edge, a few larger projects have used a PI spec.
6	Apr 27, 2009 2:01 PM	We don't do new PCCP projects and we ommit bridges from the data for pay factors associated with HMA overlays.
7	Apr 27, 2009 6:42 PM	IRI on bridges is experimental but is showing signs of success. The spec covers what we have termed a bridge "encounter" meaning the deck, the approach slabs, and 25' of pavement on either side is all part of the bridge IRI analysis.
8	Apr 28, 2009 12:21 PM	PCCP is moving to IRI, but is only on a few projects at this time.
9	Apr 29, 2009 5:13 PM	For HMAC -- Nebraska is in the process of converting from PI to IRI. For bridge decks -- the Nebraska uses a modified California Profilograph with a 12-ft span in lieu of a 25-ft span.
10	May 1, 2009 8:28 PM	PCCP: California Type Profilographs required.
11	May 20, 2009 6:46 PM	For bridge deck, the pay adjustment is based on simulated straight edge performed using profile data.
12	Jul 13, 2009 6:01 PM	We let 2 projects in with IRI in 2009 and will begin transitioning to IRI in 2010 for Bridge,PCCP and HMAC. Bridge decks must be less than 0.125 inches in 10 feet, this is performed with a straightedge.

13	Jul 13, 2009 6:44 PM	For Hot Mix Asphalt - Hearn Straightedge Ride # or Cumulative Straightedge Index
14	Jul 13, 2009 7:27 PM	see section 402 Pavement Smoothness http://www.maine.gov/mdot/contractor-consultant-information/ss_division_400.pdf
15	Jul 13, 2009 8:24 PM	PI measurement only required when design speed is greater than 45 mph and pavement lanes full width and at least 0.1mi length; for HMA, the receiving surface must be milled or new material must placed at a min rate of 385 lbs/syd; If this criteria is not met then a 16 ft straight edge is used with an 0.25 in tolerance.
16	Jul 13, 2009 9:39 PM	Bridge deck smoothness checked by straightedge only.
17	Jul 14, 2009 2:28 PM	FDOT uses Ride Number (RN)
18	Jul 15, 2009 2:44 PM	TDOT actually uses the half-car IRI on HMA
19	Jul 15, 2009 3:37 PM	1/4" tolerance within a 10' straight edge is used for bridge decks
20	Jul 17, 2009 2:28 PM	Bridge Decks - 15 foot straight edge This survey is being filled out in accordance with the Standard Specifications - which the testing is performed and evaluated by DOT personnel. We also have a Special Provision inserted in the contract where the smoothness would be done by the Contractor.
21	Jul 24, 2009 2:41 PM	We are moving towards using IRI for all surfaces, but have been able to implement the HMA specification only thus far.
22	Jul 28, 2009 6:26 PM	We actually use HCSIRI on AC Pavements not IRI, so we combine both wheelpath IRIs.
23	Jul 29, 2009 10:36 PM	A trial bridge deck specification has been used on a handful of pilot projects, using IRI and/ or Ride Quality Index criteria. (RQI is a similar measure to IRI). PI phased out 2008-2009.

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The response rate averaged over 80% to the surveys. Thanks to all of those who responded.

The results for each survey can be found on the AASHTO Subcommittee on Construction Webpage at:

www.transportation.org/?siteid=58&pageid=2888

BOOMER SOONER!!!