

Researching Research

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Technology Center



The Goal

- States want
 - To know who else is doing what
 - Recently completed work
 - Focused on concrete
 - Without having to fight with monster databases



How?

- Information sources
 - RIP monthly email
 - Mixtures
 - Overlays
 - Preservation
 - Recycling
 - CP Road Map interviews
 - You

How?

- Spreadsheets

- State

- Title

- Description

- Keywords

- Sponsors

- Researchers

- Dates

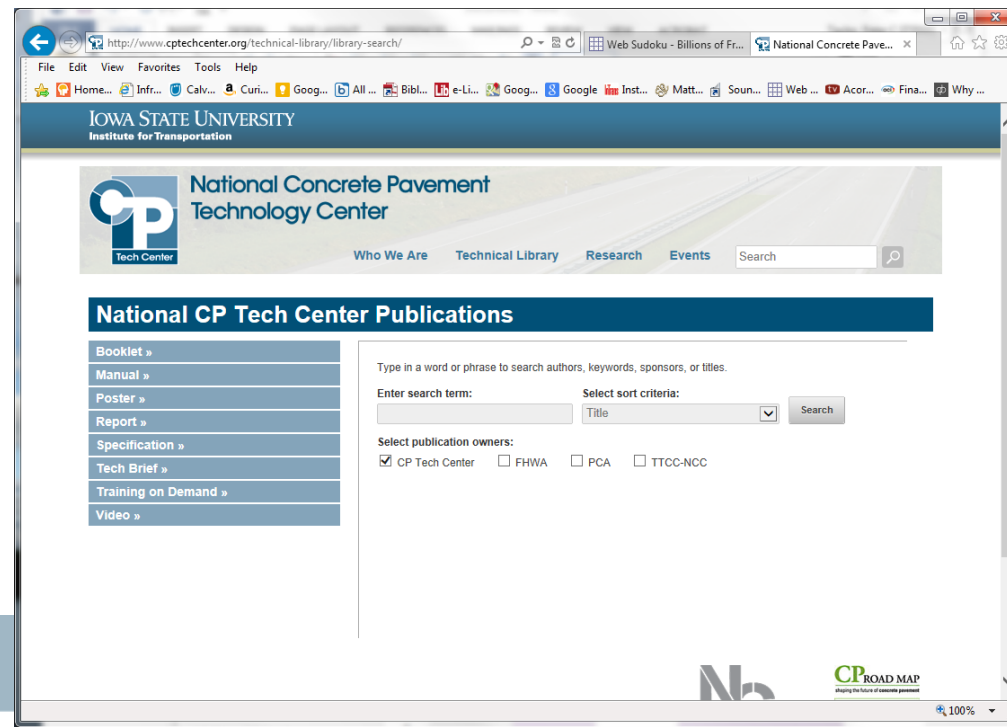
- Links

- Track

State	Title	Description	Keywords	Sponsors	Researchers	Other Parties	Start Date	End Date	Links	Products	Track
AL	Load Rating on Bibb Graves Concrete Arch Bridge	This project serves to determine the bridge load rating of the historic Bibb Graves Bridge. Several spans of the bridge are affected by ASR. Previous research projects have attempted to remediate the problem, to no avail.	bridge load rating, historic bridges, concrete arch bridge	ALDOT	Highway Research Center (Auburn University)			Ongoing			0
AL	Comparative Evaluation of Concrete Bridge Deck Sealers	This project consists of a comparative evaluation of the effectiveness of 3 bridge deck sealers to resist the intrusion of moisture & waterborne chemicals into concrete bridge decks. The Maintenance Bureau of ALDOT currently relies on a penetrating epoxy sealer (SpecSeal) that is manufactured solely for ALDOT. It is critical to identify a potential replacement product of equal or greater effectiveness, should production of the currently-used sealer.	Bridge & other structures; maintenance; preservation; bridge deck; concrete sealers	ALDOT	University Transportation Center for Alabama (UA Campus)		Jan-14	Ongoing	http://utca.eng.ua.edu/research/projects/?id=14401		7
AL	Life Cycle Cost in ALDOT Infrastructure Projects	The objective of this project is to provide ALDOT decision makers with implementable recommendations concerning LCCAs for roadway infrastructure projects. In particular, the research results will address the issue of how the principal paving material - either PCC or asphalt - is selected. The recommendations will address 3 principal areas: recommending when LCCAs should be performed & when the LCCA results may be reviewed by industry; recommending the pavement design & LCCA software packages best suited for the analyses; recommending values for inputs to the LCCA analysis, including (but not limited to) such items as analysis period, discount rates and user costs.	LCCA; economics; finance; materials; pavement	ALDOT	University Transportation Center for Alabama (UA Campus)		Jun-12	Ongoing	http://utca.eng.ua.edu/research/projects/?id=12409		11

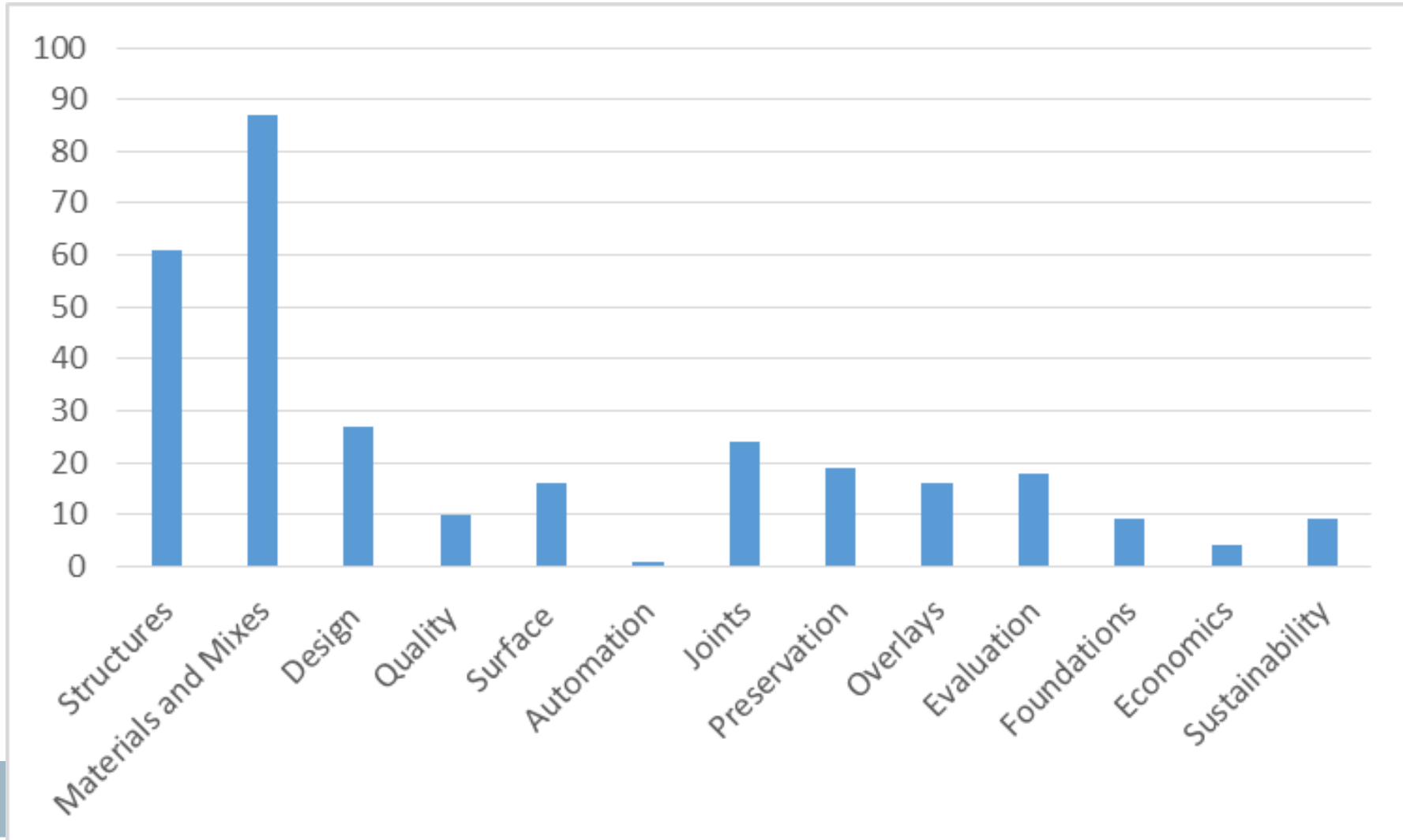
How?

- Search engine (to come)
 - On NC2 website
 - Search on
 - State
 - Title
 - Keywords
 - Sponsors
 - Track



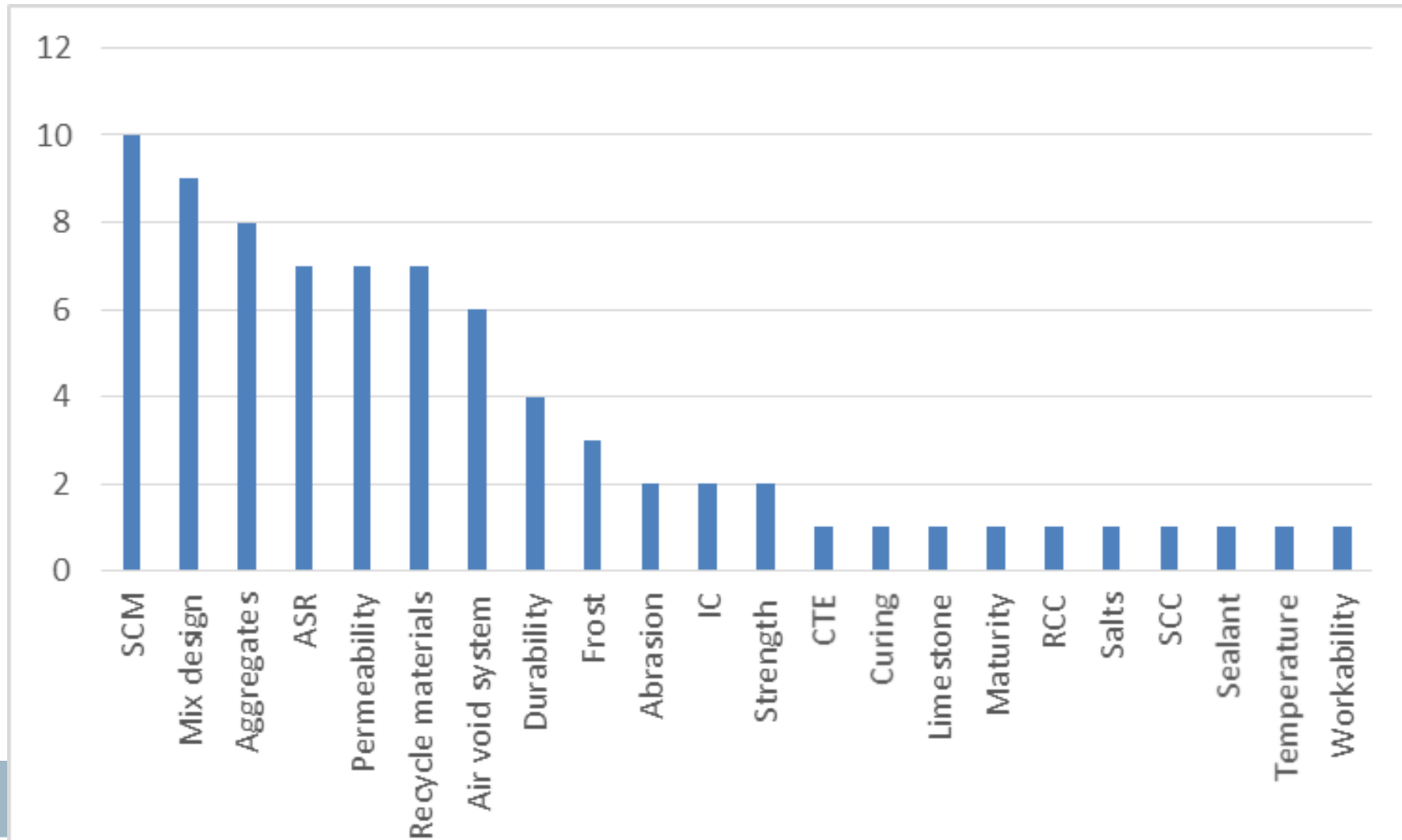
FYI

- From NC2 responses



FYI

- From NC2 responses



How?

- Maintenance

- Keep adding RIP information

- Annually ask states to update

- CP Tech Staff to review every six months

- Remove completed work >5 years old

- Check links

- Insert links to reports

Funding

- Leveraging
 - TTCC
 - CP Road Map

And wait there's more

- Keeping a list of questions raised on the listserve (but not the answers)

Date	State	Question
1/14/2014	ID	What are your states limits on slump consistency during placement? Is it a concern if the slump is variable by more than +/- 1 inch or???
1/29/2014	WI	WisDOT will be implementing a pilot program in 2014 to measure concrete thickness on new pavements using the MIT Scan T2 device and comparing this data with measurements from corresponding cores. The Iowa DOT has shared excellent information on their experience with this equipment and I would like to know if other DOTs have experience with this equipment.
2/6/2014	MN	We have been discussing industry safety concerns related to sampling out of the top of transports. Do any other states sample out of the top of transports at ready-mix plants?
2/12/2014	CO	Does your state have a standard joint layout for round-a-bouts? If so, please provide a link or file for the standard joint layout. Do you install load transfer devices, dowel, for the transverse joints? If so, is there minimum radius that triggers the installation? Are the round-a-bouts isolated or tied to the concrete pavement leading to the circles?
4/1/2014	TX	Does any state currently allow the use of wax-based curing compounds on concrete pavement? Do they perform as well as the resin based ones, and are there any concerns with the use of wax-based curing compounds on concrete pavement?

Discussion

- Is this what you want?

