

2018-20 National Strategic Winter Maintenance Plan
Adopted January 2018

Strategic Issue: 7 – Winter operations in moderate weather zones for resiliency		
Description of the selected strategies	Planning for and conducting operations in moderate weather zones is a difficult proposition. Balancing the need for specific equipment and materials against the probability of events and the range of events from snow/ice to flooding can place strain on budgets. <ul style="list-style-type: none"> - NCHRP research project to ... - Case studies of best practice ... - ... 	
Champion	Heath Patterson, Region 2 representative, Mississippi DOT	
Cooperation with other organizations	<ul style="list-style-type: none"> - TRB Winter Maintenance - States with best practices. Tennessee, Alabama, Oklahoma, ...(?) 	
Outputs		Schedule
Technical reports or summary document	<ul style="list-style-type: none"> - Case studies from states who have best practices - Summary document of findings 	AASHTO Spring Meeting 2020
Articles for Publication		
AASHTO Conferences or other events	Present findings at TRB committee meetings (<i>what committees</i>)	
Other events	Webinar on best practices	
Session at AASHTO Annual Meeting		
Remarks		

Strategic Initiative Activity

July 2018

Activity Update:

During the TRB Annual Meeting Rick Nelson connected with representatives from the Arkansas DOT and subsequently was invited to make a presentation at the Arkansas Transportation Conference in May 2018 regarding planning for winter maintenance in moderate weather zones. Other presentations on the topic might become either good case studies or webinar material for other states in the moderate zone. This presentation was well attended.

During the AASHTO Spring meeting initial discussions were held with a SASHTO state to explore opportunities for a small team of winter maintenance experts to evaluate their winter operations and suggest opportunities for deployment of strategies appropriate for the region (RN)

Future Work:

Awareness of strategies, this is an infrequent activity so how to make wise investment decisions, rate of return.

Webinars – smaller, recorded entry-level information, 101 – where do I find these resources. How do we encourage the migration of strategies from north to south? There are scalability issues that must be considered, both from infrastructure as well as regional aspect. APWA can provide certification training if a member asks. This can help.

Could a susceptibility assessment be developed to factor in frequency of event, return on investment, infrastructure... could the CMF help or a business improvement process (TSMO) road weather management business process?

Southeast regional conference held every year. There are 3-4 delegates from each state. Devote time to winter maintenance and have each state prepared to make a state of the state in winter maintenance.

Many of the products being developed under other Sis will be helpful under this SI.

MaC talks = TED talks only for maintenance.

What forecasting – private forecast use, providers, NWS opportunities for response planning are available for weather response? Who's using what? Can private forecasting services be tailored to be responsive to specific parameters like pavement temperature, freeze line, etc. What data are important for treatment strategies in transitional zones?

May 2019

There has been a southeast regional conference with winter operations on the agenda. Some data on operational capacity and what other partners in the region were doing during enclement weather. This information could be rolled into a webinar or other tech transfer vehicle.