

# FHWA Resilience Peer Exchange

## Pre-Meeting Survey

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### Introduction

You have registered for one of FHWA’s virtual peer exchange meetings on the topic of pavement resilience. To help us understand your background and interests, and to better plan and organize the meetings, we have prepared a short series of questions on resilience that we would like you to answer by **September xx**. The survey should take no more than 10 minutes to complete.

For consistency in completing the survey, the following definition of resilience is provided (in accordance with FHWA Order 5520, *Transportation System Preparedness and Resilience to Climate Change and Extreme Weather Events*, 15 December 2014):

***Resilience or resiliency is the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions.***

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**Q1: Name, Title, Organization, email**

**Q2: Which virtual meeting are you planning on attending?**

- October 6-7, 2020
- December 16-17, 2020

**Q3: What is your specific interest in pavement resilience that made you want to attend one of the virtual meetings? (check all that apply)**

- I address resilience (pavement or otherwise) as a primary job duty
- I address pavements as a primary job duty and resilience is a pavement topic of interest/concern to me
- I want to learn more about pavement resilience efforts
- I address other topics that have to do with resilience (for example, drainage) as a primary job duty
- I would like to network with others interested in and addressing pavement resilience
- I have worked on resilience efforts that are worth sharing
- I have questions about resilience that I hope to get answered here
- Other - Write In: \_\_\_\_\_

**If “I have questions about resilience that I hope to get answered here” is selected, then:**

**Q3a: What question(s) are you hoping to get answered? (fill in as many as you like)**

- Question 1: \_\_\_\_\_
- Question 2: \_\_\_\_\_
- Question 3: \_\_\_\_\_
- Question 4: \_\_\_\_\_

**Q4: Please respond to the following questions to indicate how your organization is currently addressing *general resilience*. Note that this question is about resilience in general, not specifically pavements.**

	I Don't Know	No action yet.	Taking initial steps to begin work on these items.	Work is underway, but is not complete.	Partial completion or implementation, but we are still working on it.	Complete, we have moved on to the next step.
<b>Scope definition.</b> Define how each asset is threatened, identify key climate parameters that may cause damage.						
<b>Assess vulnerability.</b> Determine which assets are exposed to damage, how that asset would respond and its impact to the network.						
<b>Analyze Risk</b> Assess cost of potential threats to assets (quantitative or qualitative) using vulnerability assessment results.						
<b>Consider alternatives.</b> Investigate adaptation solutions, see what others have done.						
<b>Prioritize and plan.</b> Evaluate feasibility of						

solutions, program adaptation solutions for implementation.						
<b>Take action.</b> Implement the adaptation and monitor for resilience improvement.						

**Q5: What relative priority does resilience have in your organization right now? Please note that this question is about resilience in general and not specifically about pavement resilience.**

- Very Low
- Low
- Medium
- High
- Very High

**Q6: Please respond to the following questions to indicate how your organization is currently addressing *pavement resilience*. This means the organizational efforts on resilience in this area (if any) specifically include pavements and specific items addressed by pavement expertise.**

	I Don't Know	No action yet.	Taking initial steps to begin work on these items.	Work is underway, but is not complete.	Partial completion or implementation, but we are still working on it.	Complete, we have moved on to the next step.
<p><b>Scope definition.</b> Define how each pavement asset is threatened, identify key climate parameters that may cause damage to pavements.</p>						
<p><b>Assess vulnerability.</b> Determine which pavements are exposed to damage, how that pavement asset would respond and potential disruption to the network.</p>						
<p><b>Analyze risk</b> Assess cost of potential threats to pavement (quantitative or qualitative) using vulnerability assessment results.</p>						
<p><b>Consider alternatives.</b> Investigate adaptation options, see what others have done.</p>						
<p><b>Prioritize and plan.</b> Evaluate feasibility of solutions, program adaptation solutions for implementation..</p>						

<b>Take action.</b> Implement the adaptation and monitor for resilience improvement.						
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**Q7: What relative priority does *pavement resilience* have in your organization right now?**

- Very Low
- Low
- Medium
- High
- Very High

**Q8: Has your organization done something you consider successful in the area of general resilience or, specifically, pavement resilience? This could be anything, such as design modifications, material modifications, additional steps for project review, creating an information campaign to inform others, providing training on resilience, etc.**

- NO
- YES - Write in what it is: \_\_\_\_\_
- YES - a 2nd thing. Write in what it is: \_\_\_\_\_
- YES - a 3rd thing. Write in what it is: \_\_\_\_\_

**Q9: Has your organization done something you consider unsuccessful in the area of general resilience or, specifically, pavement resilience?**

- NO
- YES - Write in what it is: \_\_\_\_\_
- YES - a 2nd thing. Write in what it is: \_\_\_\_\_
- YES - a 3rd thing. Write in what it is: \_\_\_\_\_

**Q10: Can you add any more description of these successful/unsuccessful things or, perhaps provide a link to a document, website, video, or other item?**

**Q11: If there is any relevant file (say, a report, a design modification, a spreadsheet, a calculation, etc.) that you would like to share, please upload the file here.**