Response to Reviewer 1 Comments

**Point 1:** The manuscript is well written and delves into a timely and interesting topic. The research methodology is well thought out and applied via a case study application to demonstrate the concepts.

Incorporating climate change as part of a PMS is important when exploring design and management applications for future pavement projects.

Application to a coastal-road pavement evaluation site resulted in results presented in this research; however, it would be interesting to see how these compare to application to pavements in a different geographic region.

The authors have a very comprehensive (and fairly current) reference list. Overall, a well written paper that should provide new knowledge to pavement stakeholders.

**Response 1:** Thank you for taking the time to review this manuscript and for your positive feedback on this work.

We agree that it would be interesting to see how these results compare to results for pavements in other regions. Our discussion of the general framework in Section 2.1 illustrates how this methodology can be applied to pavements in other geographic regions with other climate stressors. Also, in Section 4. *Discussion and Conclusions*, future research needs are identified that would support incorporating this methodology into Pavement Management Systems (PMS) word wide. This framework is a first step in climate-change adaptation planning for pavements. We are excited to partner with researchers in many different geographic regions to investigate how cost-effective adaptation pathways vary.