- Mg cations did not exhibit any direct effect on the deicer corrosion.
- Corrosion of the truck part was attributed to the chloride anions in the deicer.

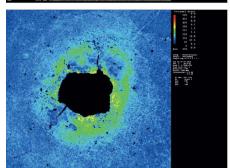
Acknowledgments

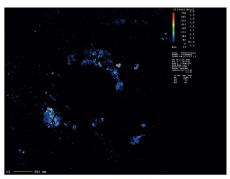
The authors would like to acknowledge the Butte Department of Transportation for providing information on the chemical components of deicer and deicer sample, and Bill Field Trucking, LLC for access to their trucks, steel sample, and mixture of deicer and sand.

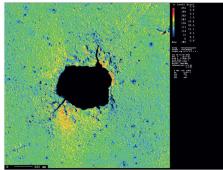
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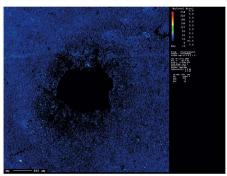


FIGURE 3 EPMA maps of the steel corroded by deicer. The size of analyzed area was 50 μm by 50 μm.

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Mehdi Honarvar Nazari is a research assistant at Washington State University, Pullman, Washington, USA, email: m.honarvrnazari@wsu.edu. He is a corrosion engineer and is pursuing his second Ph.D. in civil engineering with a focus on environmental engineering. His research ranges from anti-corrosion coatings to roadway deicers and their implications for infrastructure and the environment. He has a Ph.D. in metallurgical and materials engineering and received the AASHTO

High Value Research Supplemental Award in 2020. He has been a member of NACE International (now AMPP) since 2006.

Xianming Shi is a professor at Washington State University, email: xianming.shi@wsu. edu. A corrosion scientist and polymer chemist by training, he is currently a professor in civil and environmental engineering. His team continues to work on durability of infrastructure and other assets. He has a Ph.D. in chemistry and is a Fellow of ASCE. He has been a member of AMPP since 2002.

