

From: Larry Brewster

To: Leann Nguyen

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Subject: FCC File# 0251-EX-PL-2010

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Message:

This system is intended to demonstrate a prototype unit to the Colorado Department of Transportation (CDOT) to verify the ability of the system to measure the surface of rock faces near highways and detect changes that could be indications of dangerous falling rock conditions. This analysis is in support of a trade study in which CDOT will be evaluating different technologies to determine which is the most beneficial for their purpose. Testing is to be conducted during the early June time period. A complete description of the system has been provide within the attachment section of this application as the file Experimental License Support.

An abstract of this document is that the system is a short range, low power radar system that illuminates a rock wall next to a highway and maps the surface profile in detail. Vexcel believes that this technique can be used to detect potential dangerous rockfalls with such a system to prevent injury to live and limb.