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**Executive Summary**

The Montana Department of Transportation (MDT) is responsible for serving the public by establishing and maintaining a transportation system that emphasizes safety, environmental preservation, cost-effectiveness, economic vitality, and quality. MDT operates a datacenter that houses approximately \$1.2 million of hardware designated to manage data and applications used by MDT to facilitate its business operations. A primary objective of the datacenter is to secure the hardware and information systems where data resides. The security of the datacenter creates the foundation for business continuity by ensuring data and information systems are available.

Information systems residing in the datacenter are used to collect and disburse revenue. During fiscal year 2005, MDT collected approximately \$2 million a day in revenue and disbursed approximately \$1.5 million in expenditures. Systems residing in the datacenter also provide safety information to the traveling public on road and weather conditions, and assist maintenance crews in maintaining safe driving conditions.

A datacenter must keep high standards for maintaining the integrity and functionality of the computer environment through the implementation of complete and effective security measures. The scope of this audit focused on the effectiveness of controls implemented to safeguard the datacenter from physical, environmental, and logical threats. Audit work included interviews and observations with MDT personnel to confirm: physical access points to the datacenter are secure, unrestricted physical access to datacenter resources is prevented, the existence and proper operation of environmental safeguards (i.e. fire suppression/detection systems, backup power supplies, etc.) and datacenter hardware is maintained. Review of entry logs and cardholder reports was conducted to confirm individual physical access to the datacenter is authorized and individual accountability is maintained when accessing the datacenter. Documentation review and an automated network assessment tool were used to confirm logical access to datacenter resources is limited to authorized users.

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Based on our work, we determined that logical access controls limit access to datacenter resources to authorized users. While MDT has implemented environmental and physical safeguards, controls can be strengthened by implementing a process to identify and address environmental threats to the datacenter including water, power outages, and natural disasters, eliminating excessive physical access to the datacenter, and defining datacenter physical access security requirements