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**Memo Description:**

This memo provides a summary of the vulnerability scans conducted for Phase II of the Toll System Replacement (“TSR”) / Change Management Audit.

**Objectives:**

In accordance with CFX’s 2018 Internal Audit (“IA”) Plan, IA performed vulnerability scans to attempt to determine if vulnerabilities existed on systems planned to support the new tolling system. Vulnerabilities are weaknesses on systems such as missing patches, outdated software, or insecure configurations.

**Scope and Approach:**

As part of this review, IA reviewed documentation regarding the systems planned to support the new tolling system. The systems supporting four (4) locations were ready to be scanned within Fiscal Year 2018. These systems were:

- Boggy Creek Mainline – 11 systems
- Pine Hills Mainline – 11 systems
- Conway Mainline – 12 systems
- Shingle Creek Mainline – 13 systems

**Results:**

Across the four (4) groups of systems, there were 10 Critical vulnerabilities and one (1) High vulnerability, in addition to other Medium and Low vulnerabilities. IA suggested the Critical and High vulnerabilities be remediated prior to deploying the systems into the CFX environment. Transcore remediated the Critical and High vulnerabilities during fieldwork. IA conducted rescans to confirm vulnerabilities had been remediated.