Central Florida Expressway Authority
Toll System Replacement / Change Management Audit
Vulnerability Scanning Results Memo – June 2017

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Memo Description:

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

Objectives:

In accordance with CFX's 2017 Internal Audit ("IA") Plan, IA performed vulnerability scans 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 Vulnerabilities are weaknesses on systems such as missing patches, outdated software, or insecure configurations.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 five (5) locations were ready to be scanned within Fiscal Year 2017. These locations were:

- The Central Processing Center ("CPC") - 24 systems
- Disaster Recovery ("DR") Location – 24 systems
- Coral Hills Mainline – 13 systems
- Beachline Mainline – 13 systems
- Forest Lake Mainline – 18 systems

Results:

The CPC and DR systems were scanned first**,** and there were 30 Critical vulnerabilities and 40 High vulnerabilities in the initial CPC and DR scan results, 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.

The Coral Hills, Beachline, and Forest Lake plaza systems were scanned next. There was one (1) Critical vulnerability on two (2) systems, 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 identified Critical and High vulnerabilities during fieldwork. IA conducted rescans to confirm vulnerabilities had been remediated.