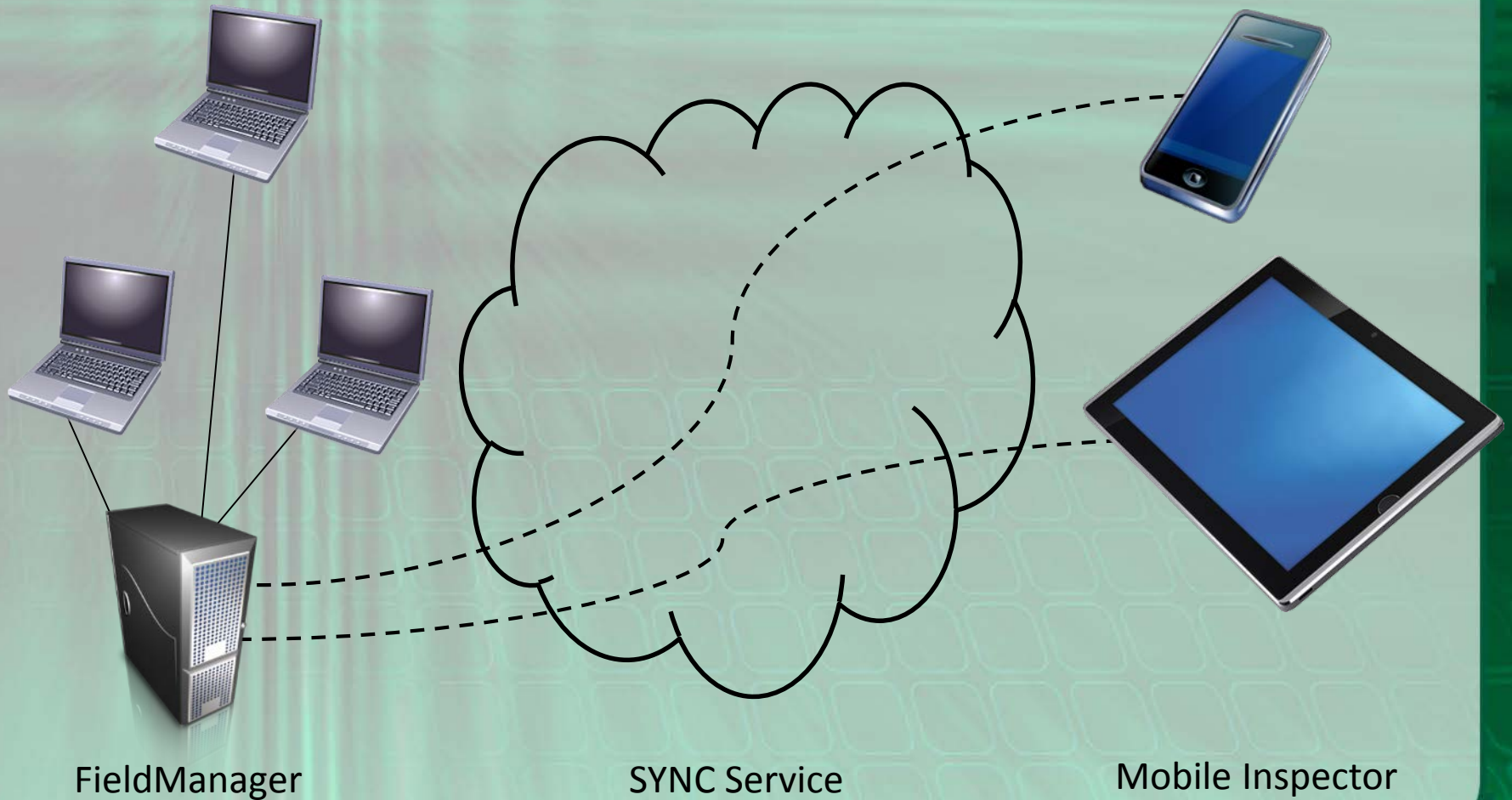# Mobile Inspector

FieldManager & Contract Management Conference

April 1, 2015

What Is Mobile Inspector?

- Mobile Inspector is an app designed to run on tablets and smart phones
- The functional purpose of the app is to allow inspectors in the field to create IDRs using a mobile device
- Mobile Inspector
  - Runs on any device running Apple's iOS or Android
  - Is designed to be as simple to use as possible
  - Interfaces with FieldManager
    - Contracts selected in FieldManager are sent to specified Mobile Inspector devices
    - IDRs completed in Mobile Inspector are automatically sent to FieldManager
    - Contract refreshes are automatically sent from FieldManager to Mobile Inspector
  - Requires connectivity to interface with FieldManager
  - Does not require connectivity to enter IDRs
  - App is free, but SYNC Service license is required to use with FieldManager
- Developed and owned by Info Tech, Inc.

Architectural Overview

FieldManager

SYNC Service

Mobile Inspector

Mobile Inspector Pilot Project

- MDOT conducted Mobile Inspector pilot project in 2013
- The purpose was to determine the viability of using Mobile Inspector to create IDRs on smart phones and tablets
- Pilot goals included seeking answers to the following questions:
  - Is Mobile Inspector practical on a tablet
  - Is Mobile Inspector practical on a smart phone
  - Do inspectors prefer using Mobile Inspector instead of FieldBook to create IDRs
- Piloted the app on 5 contracts at 3 field offices
- 19 inspectors participated and were asked to recreate their live IDRs on their mobile device(s)
- Mobile devices used were mainly iPads and iPhones
- Many pilot participants used both an iPad and iPhone so they could determine their preference

Pilot Results

- Mobile Inspector is:
  - Easy to learn
  - Intuitive and easy to use
- Allows users to create and view IDRs:
  - Anywhere at job site
  - While walking around
- Mobile Inspector running on a tablet:
  - Excellent tool
  - Most preferred using on tablet over smart phone due to larger screen
  - More difficult to carry a tablet than a smart phone
  - Many preferred using over FieldBook

Pilot Results (cont)

- Mobile Inspector running on a smart phone:
    - Good tool but difficult for many to enter comments due to screen size
    - Very good tool for projects that do not require significant comments (such as pavement marking or chip seal projects)
    - Easier to carry a smart phone then a tablet
    - Many inspectors already carry smart phones
    - Most did not prefer using over FieldBook
- IDR tool of preference will vary depending on individual inspector
- Some critical enhancements were needed before software could be used in production
- Based on results of pilot, decision was made to move forward with using Mobile Inspector in production on MDOT let projects

Mobile Inspector Implementation

- Worked with Info Tech to complete critical enhancements identified during pilot
- Authorized use of Mobile Inspector on all MDOT let contracts
- Purchased SYNC Service license to cover devices used on contracts where the FieldManager working copy of the contract is on MDOT equipment
- Implemented at MDOT offices in two phases:
  - Staff at Brighton TSC, Lansing TSC, and Marshall TSC began using in Sept, 2014
  - Staff at remaining MDOT offices were given go ahead to begin using in Dec, 2014
  - Did not conduct any training
  - Approximately 90 MDOT devices used the app during the month of Feb

SYNC Service

- SYNC Service provides automatic synchronization of data between devices running the Mobile Inspector app and FieldManager
- SYNC Service license required to use Mobile Inspector with FieldManager
- Your license will cover all contracts where the FieldManager working copy of the contract is on your equipment
  - Includes both MDOT let contracts and non-MDOT let contracts
  - Does not include contracts where the FieldManager working copy of the contract is not on your equipment
- For further information, pricing, and to order, contact Info Tech at 352-381-4400 or sales@infotechfl.com
- MDOT considering funding SYNC Service license for local agencies under MDOT's FieldManager Services to Locals contract
  - Do not yet have final decision on funding or potential timeframe for completing a contract amendment
  - Local agencies willing to purchase a license on their own can do so

Questions?

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