



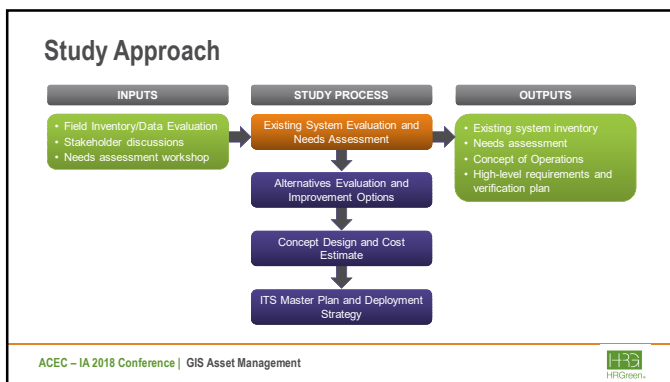


Project Overview

- The City of Des Moines initiated the Intelligent Transportation Systems (ITS) Master Plan project to identify innovative, phased approaches to developing advanced systems for improved traffic management.
- Evaluation of existing ITS systems is necessary to carry forward into future project phases.





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Field Inventory

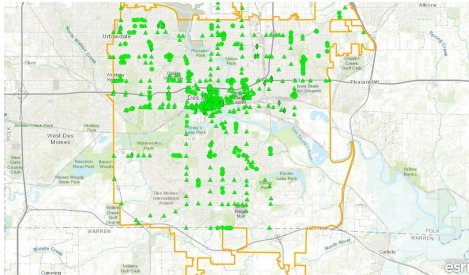
- Three field teams used ESRI's ArcGIS Data Collector app to inventory intersections existing components. The City currently operates around:
 - 390 traffic signals;
 - 35 pedestrian signals;
 - 95 school flashers;
 - and 8 DMS.

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Field Inventory



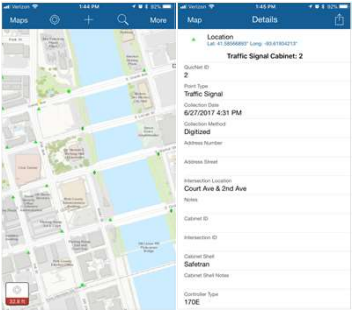
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Field Inventory

- ESRI's ArcGIS Data Collector app offered the following benefits:
 - Use of pre-built collection forms
 - Geo-tagging of photos
 - Live data upload
 - Intersection collection management
 - Adaptable to new equipment model fields




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Field Inventory

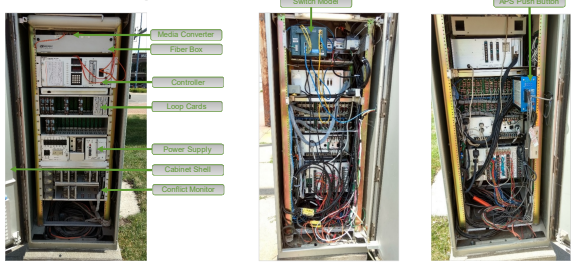
- Cabinet Shell
- Controller
- Switch Model
- Conflict Monitor
- Power Supply
- Closed-Circuit Television (CCTV) Detection
- Closed-Circuit Television Pan-Tilt-Zoom (CCTV PTZ)
- Loop Detection
- Radar Detection
- Battery Backup
- Accessible Pedestrian Signals (APS) Push Button
- Media Converter
- Fiber




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Field Inventory

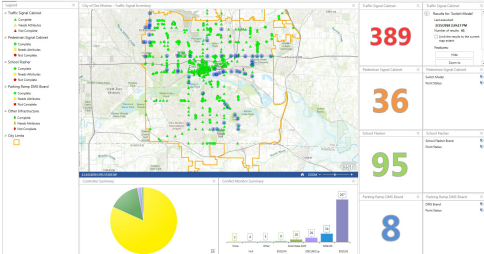


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Field Inventory

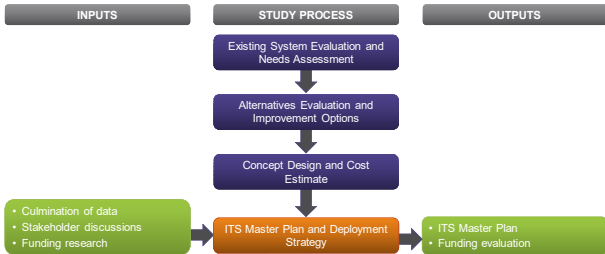
- Data from App instantly syncs with Dashboard
- Consultant team and City staff have access to Dashboard




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Study Approach



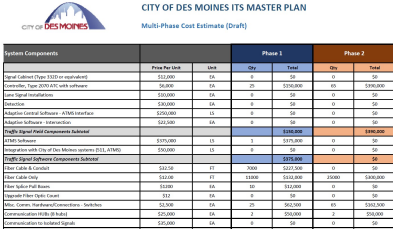
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ITS Master Plan and Deployment Strategy

Agency specific Master Plan that is based upon:

- Multi-year / Budget
- Priority
- Communication
- Field equipment
- Software
- Integration

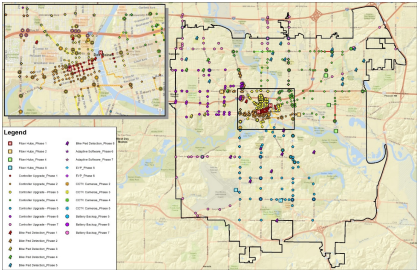


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ITS Master Plan and Deployment Strategy

- GIS based
- Multi-year/phase based



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Questions?



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