

**City of Lancaster
Cultivating Pennsylvania Future
Cities Now**

December 13, 2019

Transportation Engineering and Safety Conference

City of Lancaster



Status of ongoing efforts



Where we're headed

How are we
or do we
want to be
smart



Municipal Operations Integration



Remote Access to Systems



Automated Water Meter Infrastructure



Safety Camera Network – Lancaster Safety Coalition

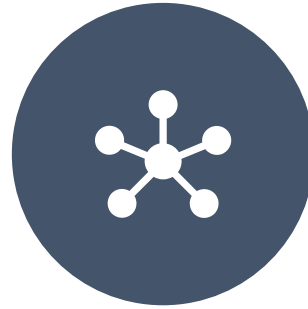


Traffic Signal Integration/Central Control



Data driven decisions – Building Blocks, Bloomberg
Harvard City Leadership Initiative

Smart Cities Need



CONNECTIVITY



EQUIPMENT



SOFTWARE

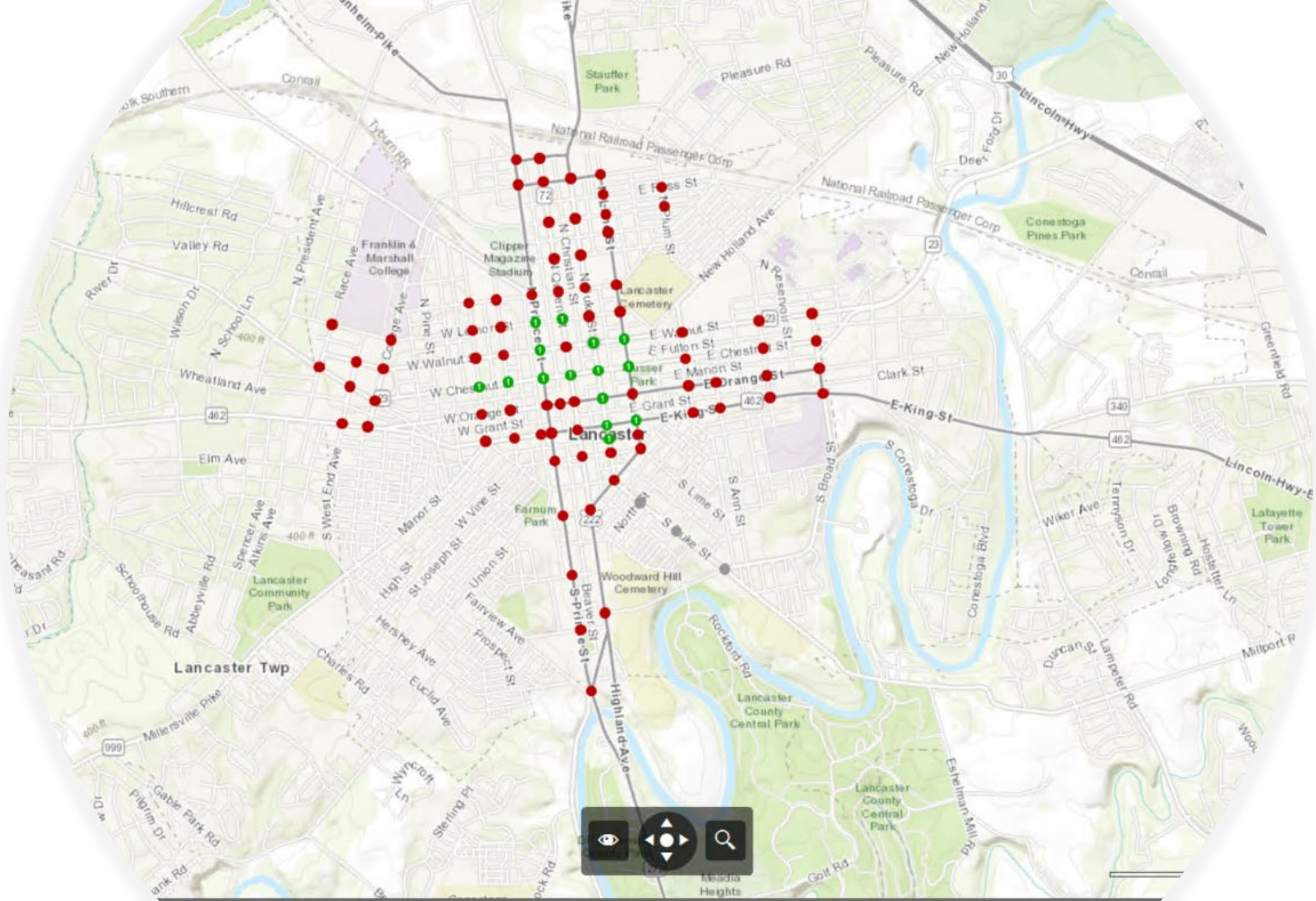
Connectivity

Existing

- Multimode fiber and radios
 - 91 traffic signals
 - 160 security cameras
- Cell/cable service

Proposed

- Replace multimode fiber with single mode and expand the service area
 - Connect municipal buildings
 - Create meter reading fixed network
 - Integrated signal system/central control
- Limit external service needs



Equipment

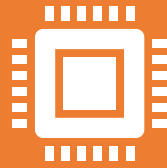
- Traffic signal controllers
- Security cameras
- Meters and transmitters
- Police body/car camera



Software

- Traffic Signal Management
- Asset Management/Work Order
- Building systems
- GIS
- 311
- Meter reading
- Accounting/billing
- Integrations of software systems, Building Blocks
- Police
- Fire

Challenges



Costs – building connectivity, upgrading equipment, setting up and maintaining software



Monitoring of technology/data, no additional staff



Developing meaningful metrics/reports to drive decisions



Where we go from here

- Build out the single mode fiber
- Incrementally add functionality
- Focus on the data, metrics, and reporting

Questions/Contact

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