



# ***Fire Alarm System Upgrade Project Authorization***

***Committee on Capital Planning, Execution and  
Asset Management***

*May 28, 2014*

# Overview

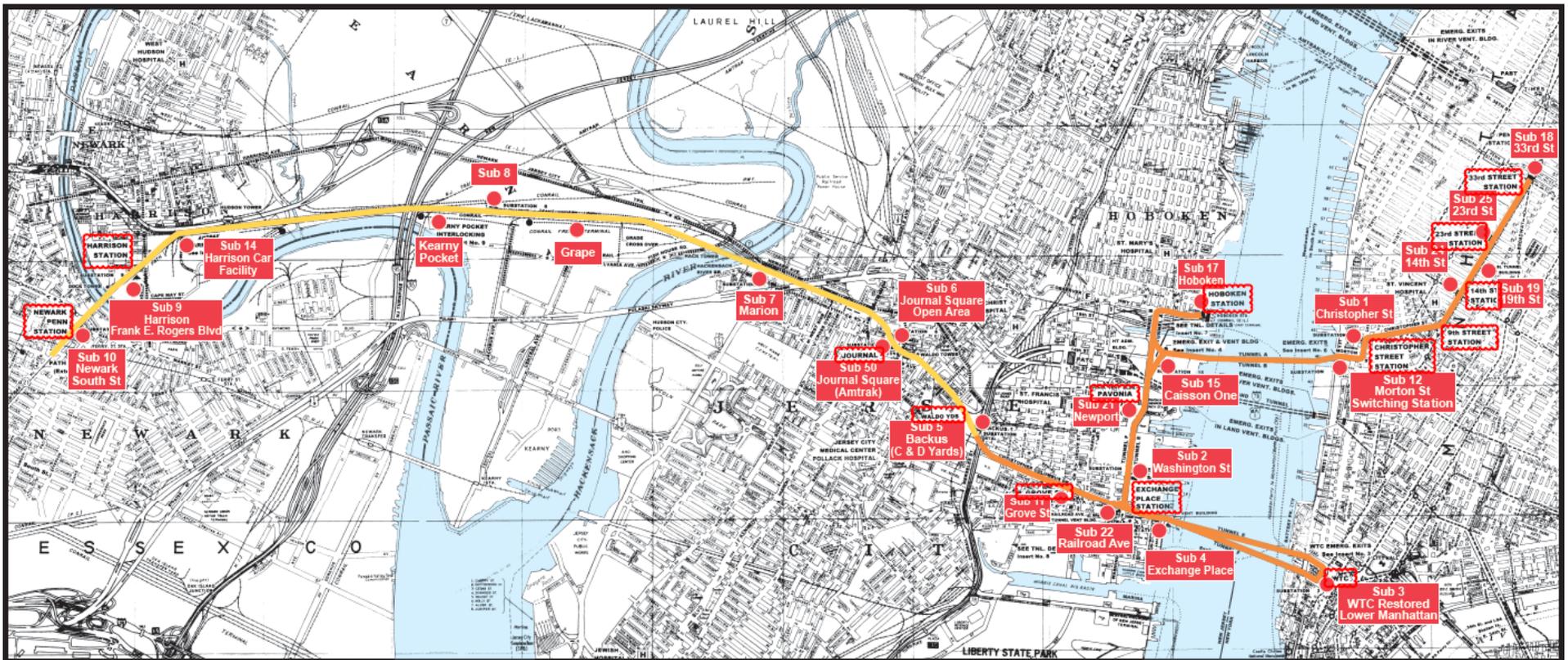
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## Most of PATH's Fire Alarm Systems:

- Were installed from 12 to 27 years ago and have exceeded its useful life
- Expensive to maintain
- Difficult to obtain replacement spare parts

# Overview – PATH System Map

## PATH System Map



## *Project Goals \ Recommendations*

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- Recommendations
  - Upgrade to required Federal and State building and fire codes and standards that were not in place when existing systems were implemented
  - Upgrade and/or replacement of fire alarm systems including control panels, detection devices, signaling devices (horns & strobes), pull stations, etc.
  - Expanded 24/7 reporting to external monitoring station
  - Report alarms to PATH's two control centers, PATH police & certain PATH offices
  - Emergency voice evacuation systems
  - Annunciations for Fire Department \ Firefighters
  - Interface with other Fire Safety Systems (Fire Suppression, HVAC Vents, etc)
- Build a PATH-wide Fire Alarm System that meets the above recommendations to include the following:
  - Upgrade \ Replace \ Install New Fire Alarm Systems
  - Provide interface with existing code compliant Systems
  - Provide interface with New Systems presently under construction
  - Expand Existing PATH Fiber Optics Network to support Fire Alarms communications

## *Economic Impact*

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- 260 Total Job-Years
- \$17 million in Wages
- \$94 million in Economic Activity

## ***Estimated Costs & Schedule***

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- Total Project Cost: **\$65.7 million**  
*(includes \$4 million in previously authorized planning)*
- Award of Contracts
  - Construction Contracts: \$30.9 million
  - Engineering Services: \$5.9 million
- Staff Cost Estimates
  - In-house: \$3.6 million
  - Consultants: \$8.1 million
- Schedule (Design & Construction):  
Start: June 2014; End: December 2019