



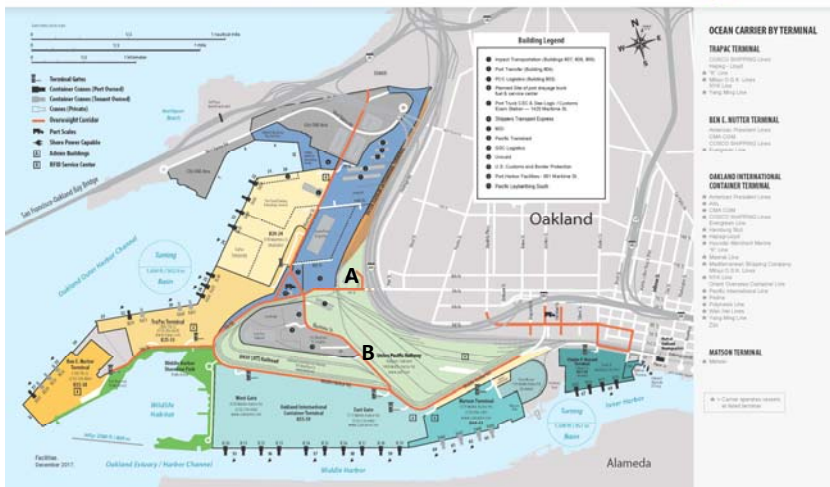
ALAMEDA COUNTY TRANSPORTATION COMMISSION

# Freight Intelligent Transportation System (FITS) Project

## FITS Contracting Opportunities

April 10, 2019

# GoPort Program SEAPORT FACILITIES



A. Truck stuck at the 7th Street underpass



B Middle Harbor Rd/Maritime St/OICT East Gate



<https://www.alamedactc.org/programs-projects/goport-program/>

FITS Contracting Opportunities

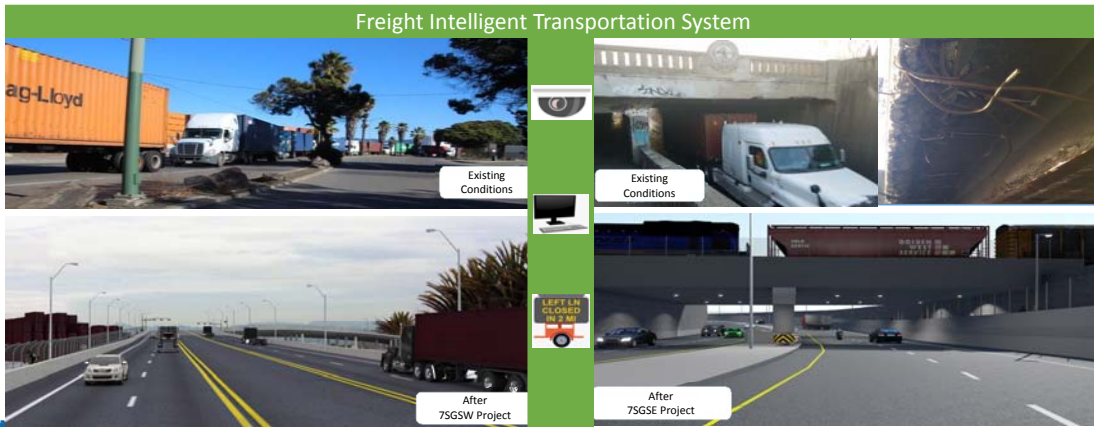
# GoPort Program

## 7th Street Grade Separation West

Construct a grade separation with a rail spur underneath and improve shared pedestrian/bicycle pathway.

## 7th Street Grade Separation East

Reconstruct existing, aging railroad underpass and improve shared pedestrian/bicycle pathway at Port of Oakland gateway.



FITS Contracting Opportunities

# FITS Components

- Closed Circuit Television Video ("CCTV") Upgrade to High Definition
- Communications ("Fiber")
- Communications ("WiFi")
- GoPort Freight ITS Information System/Application ("GoPort App")
- Queue Detection
- Supplementation Vehicle Detection
- Weigh-in-Motion ("WIM") Technology



- Adaptive Signal System
- Advanced Traffic Management System ("ATMS")
- Advanced Rail Grade Crossing System
- Basic Smart Parking System
- Center to Center ("C2C") Communications
- Changeable Message Signs ("CMS")



<https://www.alamedactc.org/programs-projects/goport-program/>

FITS Contracting Opportunities

# Funding and Schedule

**Total Project Cost** **\$30.6 Million**



|                       |                           |
|-----------------------|---------------------------|
| OVERSIGHT<br><br>CTC  | OVERSIGHT<br><br>FEMA     |
| OVERSIGHT<br><br>FHWA | OVERSIGHT<br><br>Caltrans |



| FUNDING   |           |                    |  |
|---|-----------|--------------------|--|
| Fund Source   | Fund Type | Amount (\$ X1,000) |  |
| Measure BB  | Local     | \$6,600            |  |
| Advanced Transportation and Congestion Management Technologies Deployment | Federal   | \$9,720            |  |
| Port Security Grant Program   | Federal   | \$1,824            |  |
| SB 1 Trade Corridor Enhancement Program                                   | State     | \$12,456           |  |
| TOTAL:  |           | \$30,600           |  |

| SCHEDULE and COST ESTIMATE BY PHASE |             |             |                           |
|-------------------------------------|-------------|-------------|---------------------------|
|                                     | Begin       | End         | Cost Estimate (\$ X1,000) |
| PE/Environmental                    | Fall 2016   | Summer 2018 | \$2,500                   |
| Final Design                        | Fall 2018   | Early 2019  | \$4,100                   |
| Right-of-Way                        | Fall 2018   | Early 2019  | -                         |
| Construction                        | Summer 2019 | Late 2021   | \$24,000                  |
| TOTAL:                              |             |             | \$30,600                  |

FITS Contracting Opportunities

# FITS Delivery Strategy

| Package No. | Contract Package  | Implementing Agency | Advertisement Timing | Type               |
|-------------|---|---------------------|----------------------|--------------------|
| 1           | Radio Frequency Identification Device (RFID) Readers                | Port of Oakland     | April 17, 2019       | Construction (IFB) |
| 2           | Emergency Operations Center (EOC) / Traffic Management Center (TMC) | Port of Oakland     | April 17, 2019       | Construction (IFB) |
| 3           | Advanced Traffic Management System (ATMS)                           | Alameda CTC         | May 28, 2019         | Construction (IFB) |
| 4           | GoPort Application  | Alameda CTC         | June 2019            | Services (RFP)     |
| 5           | Basic Smart Parking System  | Alameda CTC         | June 2019            | Services (RFP)     |
| 6           | System Integrator   | Alameda CTC         | June 2019            | Services (RFP)     |
| 7           | System Manager  | Alameda CTC         | June 2019            | Services (RFP)     |



FITS Contracting Opportunities

# Port of Oakland Site



[https://www.alamedactc.org/wp-content/uploads/2019/04/SCA-MMRP\\_GoPort\\_20190110\\_FINAL.pdf](https://www.alamedactc.org/wp-content/uploads/2019/04/SCA-MMRP_GoPort_20190110_FINAL.pdf)

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# Port of Oakland Packages for FITS

- 1 Radio Frequency Identification (RFID) Reader
- 2 Emergency Operation & Traffic Management Center (EOC/TMC)



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## Other Considerations

- **Construction Timeline Considerations**

- Construction Completion: April 2020 (EOC/TMC) / June 2020 (RFID)

- **Port's Non-Discrimination and Small Local Business Utilization Policy**

- Preference points will be awarded for the utilization of Port certified companies in the local impact (LIA) and local business area (LBA)
- LIA – 4 cities (Oakland, Alameda, San Leandro and Emeryville)
- LBA – all other cities in Alameda and Contra Costa County



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## Summary Overview: RFID Reader Package

- **Function/Purpose**

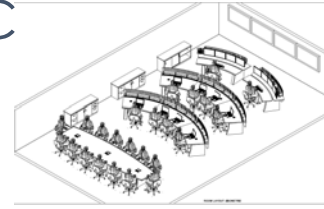
- Equipment monitors vehicle movements in Seaport (including truck turn times)
- Data enhances security, operational productivity, and management of traffic

- **Development Overview**

- Installation of RFID readers at all marine terminal entry and exist gates, as well as at strategic locations throughout the Seaport
- Will connect to Port's existing fiber optic network
- Will integrate into other portions of the FITS Program (i.e. queue detection)



# Summary Overview: EOC/TMC Package



- **Function/Purpose**

- Improve safety by enhancing current security and traffic management facilities and infrastructure
- Physical site where FITS and other data is transmitted, reviewed, and distributed
- Will simultaneously serve as the Port's 24x7 situation unit

- **Development Overview**

- Reconfigure existing watch stander site at Port's Harbor Facilities Complex to accommodate a scalable, multi-agency EOC/TMC
- Update command, control, and communications technology to better support and streamline local and interagency response and prevention operations



# Timing/Release of Packages

- **Advertisement Posting**

- Tentatively Scheduled for April 17, 2019
- Contract Bid Documents available at <https://www.portfoakland.com/business/bids-rfps/bid-engineering/>

- **Optional Pre-Bid Meeting for the 2 Packages**

- Tentatively Scheduled for April 24, 2019
- Port Offices: ~~530 Water Street, Exhibit Room~~ (11:00am) **651 Maritime Street (Harbor Facility)**

- **Estimated Timeframe for Contractor Selection/Award**

- RFID Contract Notice to Proceed September 2019
- EOC/TMC Contract Notice to Proceed September 2019





# Alameda CTC Construction Package for FITS

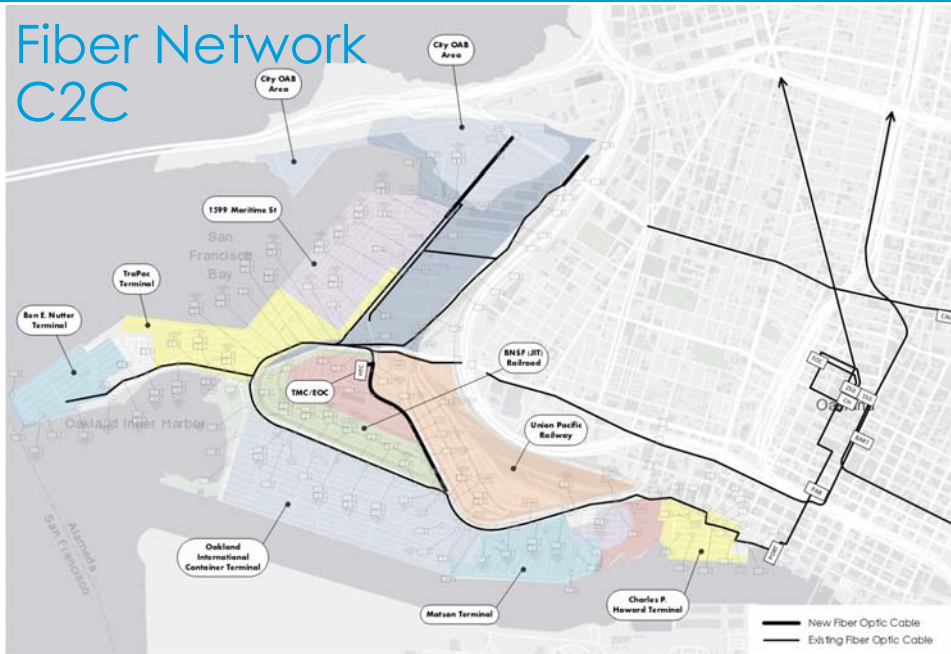
## 3 Advanced Transportation Management System (ATMS)



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## Fiber Network C2C



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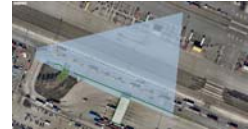
## Closed-Circuit Television (CCTV) Cameras

- Enables increased incident detection and surveillance capabilities
- HD cameras will enhance camera resolutions, viewing angles, and camera control capabilities



## Queue Detection (QD)

- Uses fixed cameras and video analytics to report roadway conditions
- Detects long queues on port arterial roads
- Provides understanding of real-time operating conditions
- Allows for improved logistics planning



## Advanced Train Detection System

- Camera detection system
- Provides warnings of long-trains and delays at at-grade rail crossings
- Information disseminated through CMS / GoPort application



## Changeable Message Signs (CMS)

- Disseminates general and critical information to Port users





## Other Considerations

- **Advertisement Posting**

- Tentatively Scheduled for June 2019
- Contract Information available at <https://www.alamedactc.org/get-involved/contracting-opportunities/>

- **Mandatory Pre-Bid Meeting**

- **Estimated Timeframe for Contractor Selection/Award**

- Requires approval by Commission... after September 2019
- Caltrans review and approval

- **DBE requirements**

- Up to 10%
- Good Faith Efforts Documentation



## Qualifications based selection

- Technical evaluation
- Interviews
- Utilization
- Advertising/Award

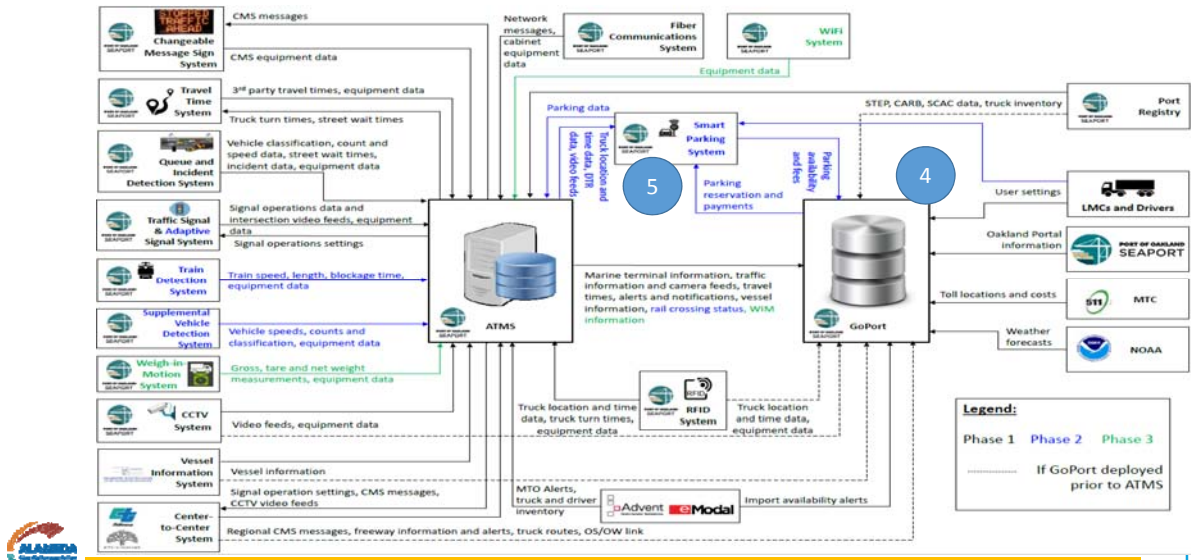
|                            |
|----------------------------|
| GoPort Application         |
| Basic Smart Parking System |
| System Integrator          |
| System Manager             |



<https://www.alamedactc.org/get-involved/contracting-opportunities/>



# 6 System Integration and Management 7



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# Thank You

For more information, visit  
[www.AlamedaCTC.org](http://www.AlamedaCTC.org)

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