City and Port of Oakland
Joint Domain Awareness Center

Phase 2 Contract Award
Supplemental Staff Report #2

City Council Meeting – 03/04/14

Port of Oakland
Department of Information Technology
Oakland Fire Department
Oakland Police Department

Overview

- Recap from the last Council meeting/Purpose of DAC
- More Detail on How it Works and the Key Systems
- DAC Phase I Completed July 2013-System Details
    - Operational Benefits for First Responders and Port
- DAC Phase II Statement of Work-Details
    - Operational Benefits for First Responders and Port
- Council Options – Three Options Presented by Staff
- Next Steps
- Questions

Purpose of DAC

- To protect lives, property and the environment
- Improve Operational Coordination and Response by Oakland Police and Fire
- Better decision making and deployment of limited resources in emergencies
- Integrate disparate data systems and provide actionable information

Mission of DAC

- ✓ Secure critical infrastructure, i.e, Port

- ✓ Actionable Information

- ✓ Centralized Command for OPD, OFD, EMSD

- ✓ Real-Time & Statistical Incident Monitoring

- ✓ City-Port Interoperable Communications

- ✓ Proactive Status Awareness

- ✓ Surveillance & Sensor Processing

Benefits of DAC

- First Responder Common Operating Picture

- First Responder Real-time Situational Awareness

- EOC Situational Awareness

- Faster and more efficient prevention of and response to emergencies at Port and City

- Expedite violent and non-violent crime resolution

- Better Decision making

- Better deployment of limited Responder resources
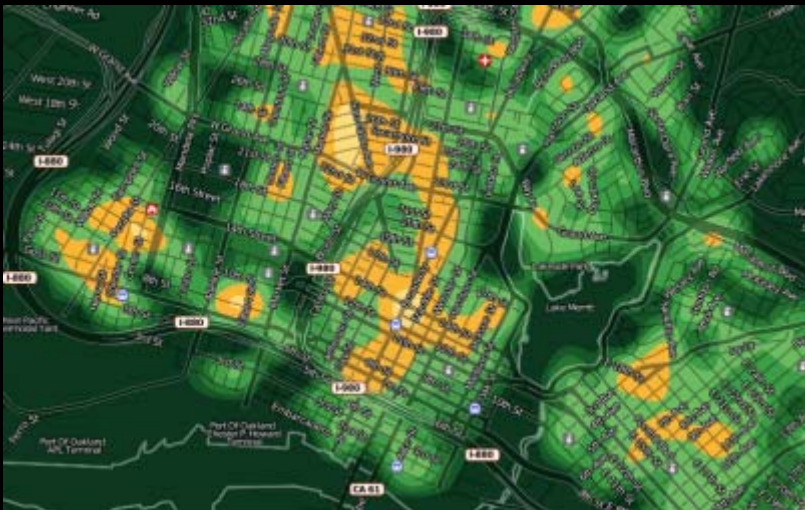
- Integration of disparate data systems

Video Analytics & Intrusion Detection

Active Incident Alarm Monitoring

City CrimeView Data Sharing

CCTV Asset Visibility
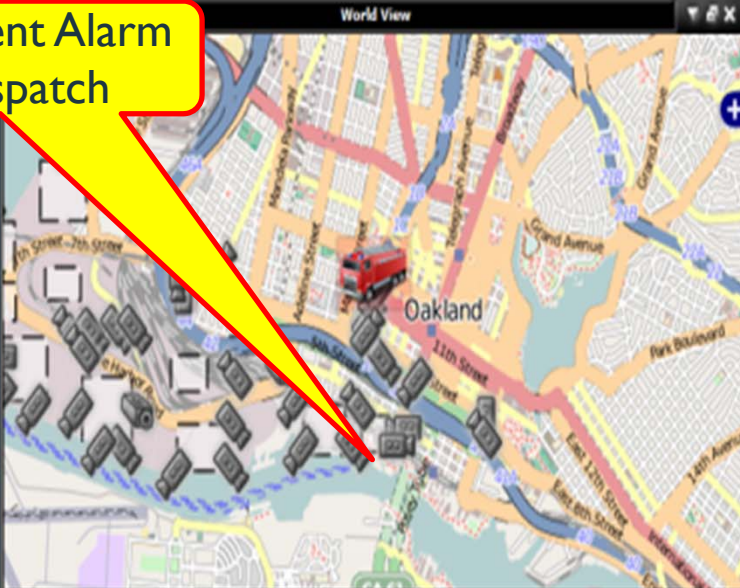
Phase 1 – Accomplishments

- Video Wall and Projection System
- Fiber Optic Connectivity between City and Port networks
- Physical Security Information Management System (PSIM)
- Operational Capabilities
  - Port of Oakland - Security Cameras (approx. 137)
  - Port of Oakland - Intrusion Detection System (IDS)
  - City of Oakland – ShotSpotter System
  - City of Oakland - Traffic Cameras (approx. 40)
  - City of Oakland - Geographical Information Systems
- Video Conferencing with State and REOCs

List of City Traffic Cameras

NO.	LOCATION
1	Broadway & 11th St
2	Broadway & 12th St
3	Broadway & 14th St
4	Broadway & 20th St
5	Broadway & 5th St
6	Broadway & 6th St
7	98th Ave & Airport Access Rd
8	98th Ave & Bigge St
9	98th Ave & Empire Rd
10	Airport Access Rd & Doolittle Dr
11	Hegenberger Rd & Airport Access Rd
12	Hegenberger Rd & Doolittle Dr
13	Hegenberger Rd & Edgewater Dr
14	Hegenberger Rd & Hegenberger Lp (W)

List of City Traffic Cameras (cont)

NO.	LOCATION
15	San Pablo Ave/ MacArthur*
16	San Pablo Ave/ 35th *
17	San Pablo Ave/ 30th *
18	San Pablo Ave/ 20th *
19	San Pablo Ave – W. Grand Ave *
20	W. Grand/ Adeline *
21	W. Grand Ave – Mandela *
22	Grand/ Broadway *
23	Grand/ Webster *
24	Grand/ Valdez *
25	Grand/ Harrison *
26	Grand/ MacArthur *
27	Grand/ Lake Park *
28	MacArthur/ Lakeshore *
29	Lakeshore/ Lake Park *

Table 2 – City Traffic Cameras #15-29, Cameras installed by the I80 ICM project, marked with an (*).

Existing Traffic Cameras
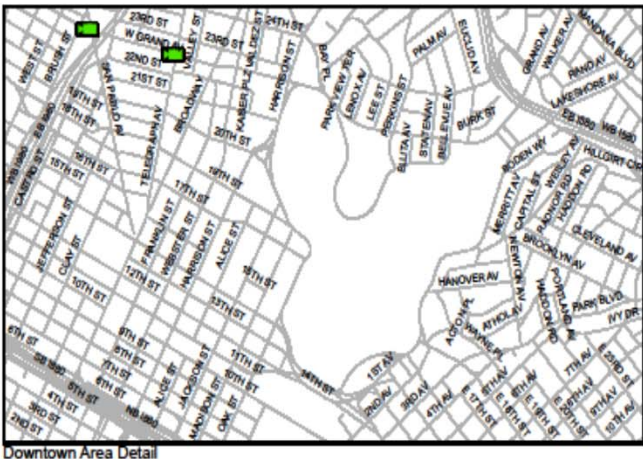**February 24, 2014**

LEGEND

CCTV Cameras

- East Bay Smart Corridor Camera (Fixed)
- Oakland PTZ Camera
- Oakland VIDS Camera
- Both PTZ and VIDS

See Downtown Area Inset

Downtown Area Detail

CITY OF OAKLAND

Kimley-Horn and Associates, Inc.
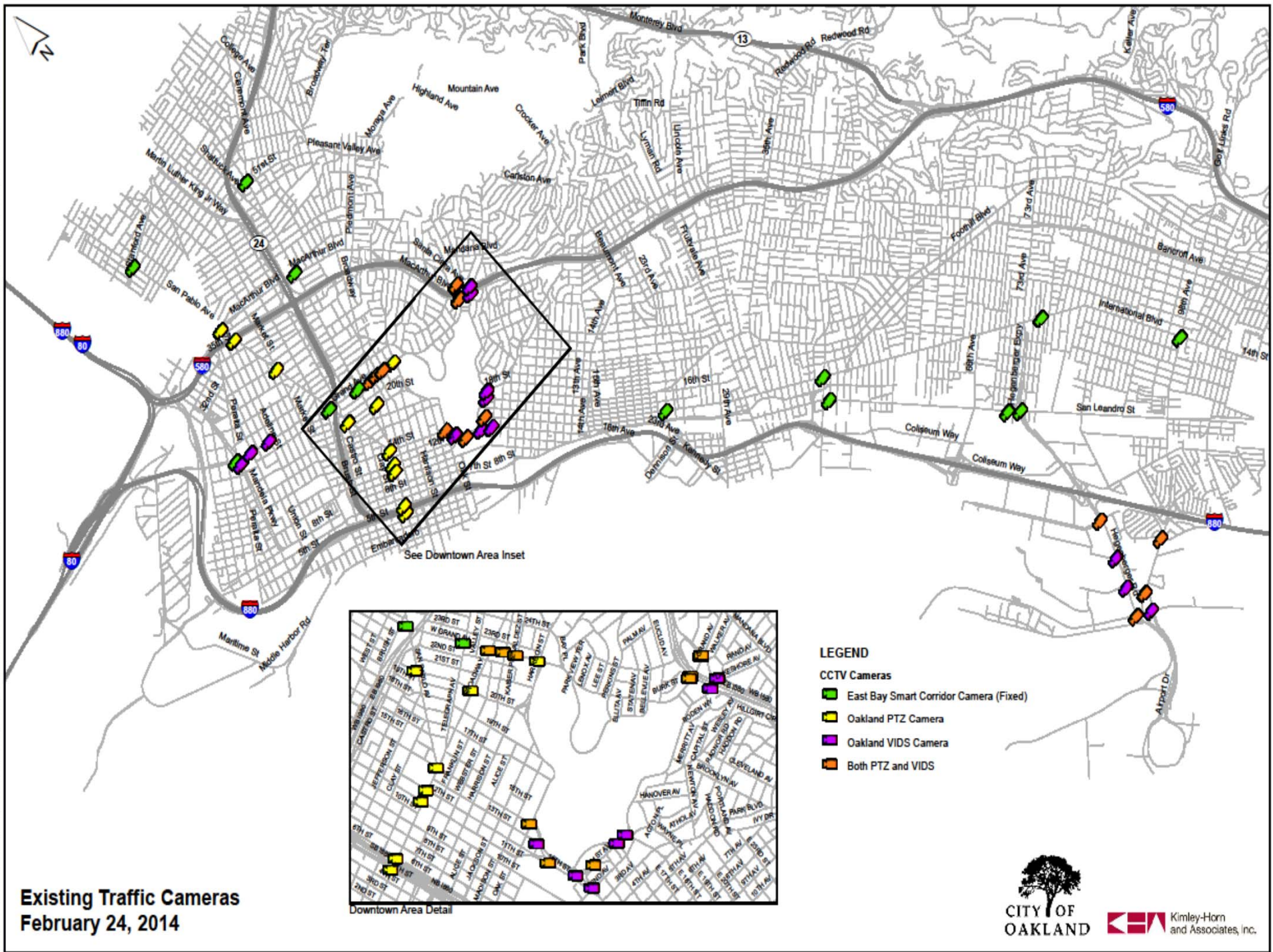
List of Non-City Traffic Cameras

NO.	LOCATION	TYPE	NETWORK
1	* San Pablo Ave – Stanford/ Powell	Fixed	T-1
2	* San Pablo Ave – W. Grand Ave	Fixed	Via Oakland City Fiber
3	* W. Grand Ave – Mandela	Fixed	Via Oakland City Fiber
4	Telegraph Ave – W. Grand Ave	Fixed	T-1
5	Telegraph Ave – MacArthur Ave	Fixed	T-1
6	Telegraph Ave – 51st St	Fixed	T-1
7	International Ave – 22nd Ave	Fixed	T-1
8	International Ave – 42nd Ave	Fixed	T-1
9	International Ave – 73rd Ave	Fixed	T-1
10	International Ave – 98th Ave	Fixed	T-1
11	San Leandro Ave – High St	Fixed	T-1
12	San Leandro Ave – 73rd Ave	Fixed	T-1
13	San Leandro Ave – 75th Ave	Fixed	T-1
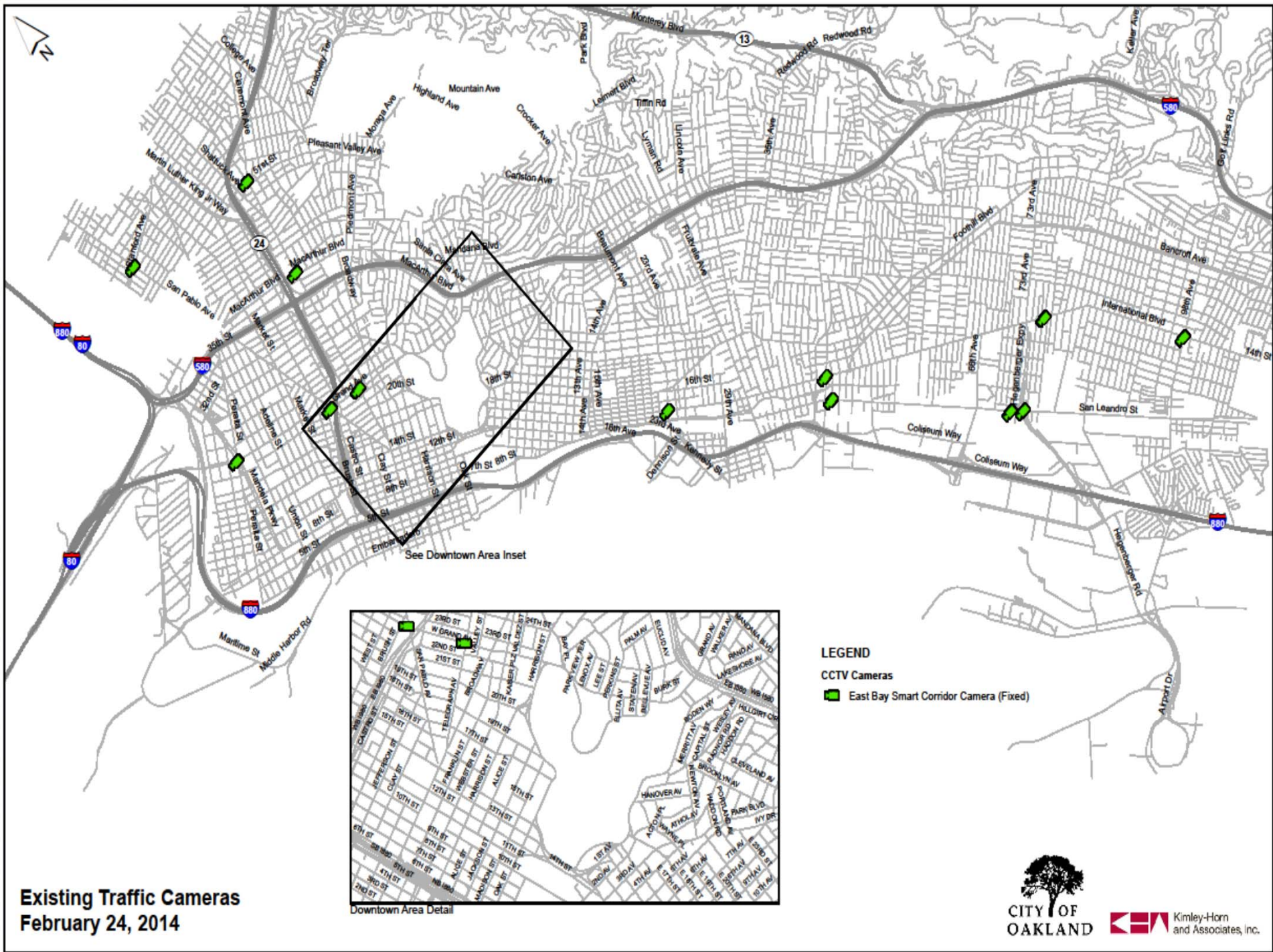
Existing Traffic Cameras
February 24, 2014

LEGEND

CCTV Cameras

East Bay Smart Corridor Camera (Fixed)

See Downtown Area Inset

Downtown Area Detail

CITY OF OAKLAND

Kimley-Horn and Associates, Inc.

Phase 2 – Statement of Work

- Operational Capabilities
  - Port of Oakland – Geographical Information System
  - Port of Oakland – Vessel Tracking System
  - Port of Oakland – Truck Management System
  - City of Oakland – 911 Police and Fire Computer Aided Dispatch Systems
  - City of Oakland – Police and Fire Records Management System
  - City of Oakland - WebEOC Notifications
  - City of Oakland - Fire Vehicles Location
  - Tsunami Alerts
  - NOAA Weather Alerts
  - USGS Earthquake Info
  - News Feeds & Alerts
- Standard Operating Procedures (SOP) for faster responses
- Maintenance and Support

Phase 2 Contract Safeguards

- Indemnification Clause
  - Protection for City against any legal actions

- Liquidated Damages
  - Protection against any delays caused by Vendor and result in grant loss

- Performance Bond
  - Protection of investment

Phase 2 – Council Options

- Option 1:
  - Limit the DAC usage to Port area, and disable one or more Phase 1 integrations

- Option 2:
  - Limit the DAC usage to Port area, and keep the Phase 1 integrations

- Option 3:
  - Don't move forward with the DAC project

Council Policy Direction Request

- **Staff Request Council Policy direction regarding the Phase 1 and Phase 2 system integrations**

- **Proceed with the Phase 2**

  Privacy and Data Retention Policy

  Product Demos

- **Conduct Staffing Assessment and Bring Back Options including Detailed Cost Share and Liability considerations Information**

- **Further Detailed Discussion and Report on Information Sharing Agreements**

Next Phases

- Phase 2 Council Approval – March 2014
- Phase 2 Kick Off – March/April 2014
- EOC/DAC Public, Media Visual Demonstrations & Feedback – Spring 2014
- Public Review, Comments on Policy Framework– February to May 2014 for Citywide Ad Hoc Committee (Add'l Public Meetings)
- Return to PSC and City Council Privacy Policy Recommendations –Mid/Late May 2014
- Staffing Plan Study, DAC O/M and Options to City Council and Accept Grant Funding for DAC staffing – April/May 2014
- EOC/DAC Phase 2 Soft Launch - October 2014
- Informational Report to PSC and City Council re: DAC Operations Every 6 months, next steps, etc.

Questions?