

# Kalihi, Liliha, Nuʻuanu, Paoua, Puʻunui Transportation Forum

Department of Transportation Services  
City & County of Honolulu

January 10, 2012

Transportation Forum





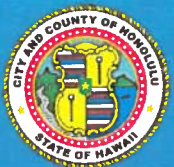
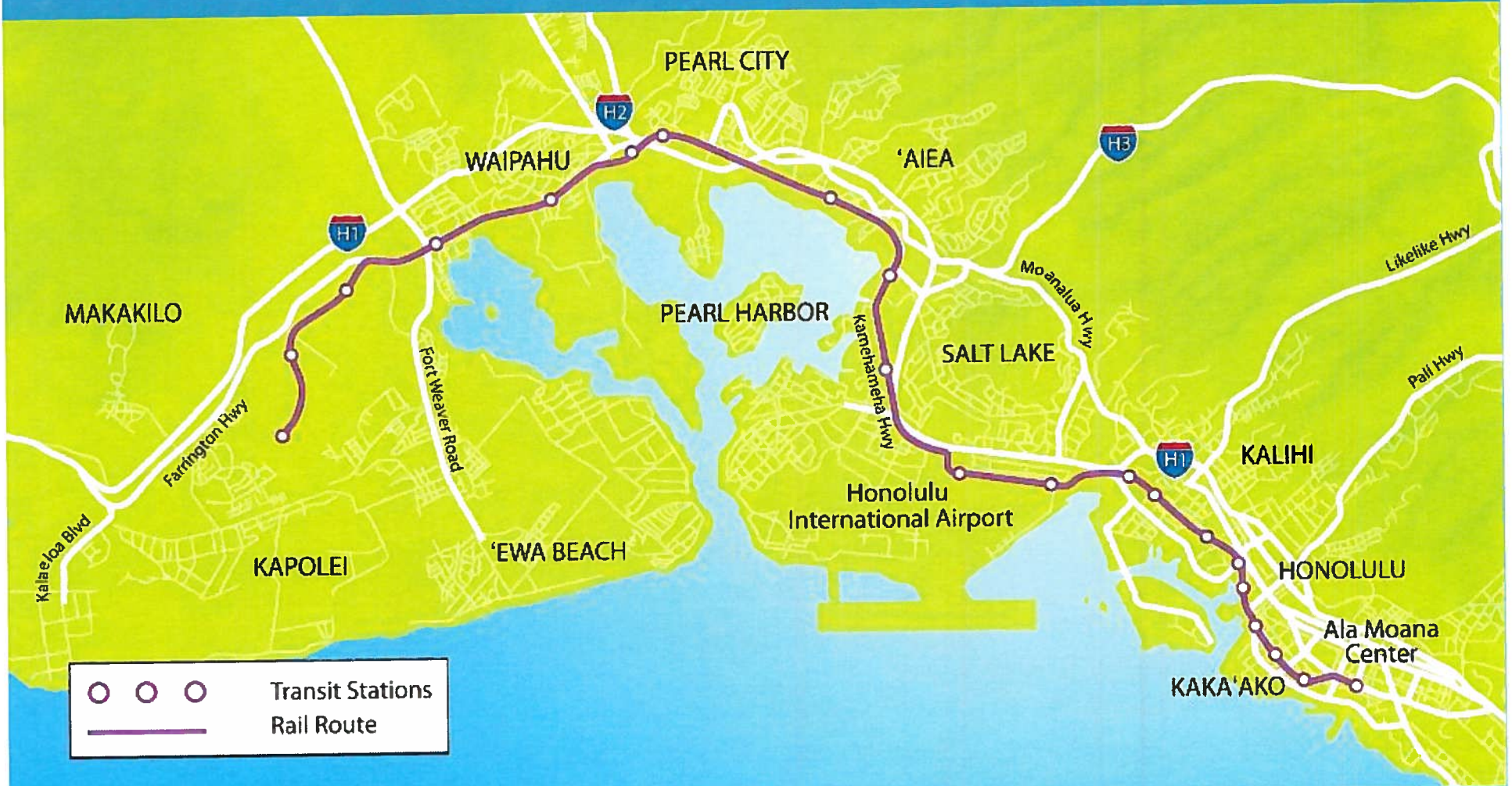
# HART UPDATE



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# 20-Mile Alignment

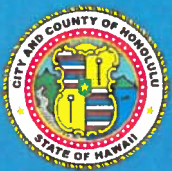




# West Oahu Update



Utility and Tree Relocation





# Kamehameha Highway Update

- Soil and Shaft Testing

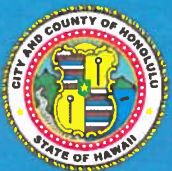




# Urban Honolulu Update

City Center  
Archaeological  
Inventory Survey  
(AIS)

Kalihi to Ala Moana  
Center





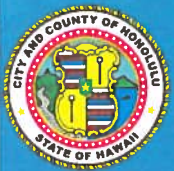
# Contracts Awarded

| Contract                                    | Awarded To                       | Amount                             | Under Budget               |
|---|----------------------------------|------------------------------------|----------------------------|
| <b>WOFH Guideway Design-Build</b>           | Kiewit                           | \$482 million                      | \$90 million               |
| <b>Maintenance and Storage Facility</b>     | Kiewit/<br>Kobayashi             | \$195 million                      | \$60 million               |
| <b>Farrington Hwy Station Group Design</b>  | HDR/<br>Hawaii Pacific Engineers | \$5.5 million                      | —                          |
| <b>Kamehameha Hwy Guideway Design-Build</b> | Kiewit                           | \$372 million                      | (\$53 million over budget) |
| <b>Core Systems DBOM</b>                    | Ansaldo                          | \$574 million<br>not including O&M | \$218 million              |





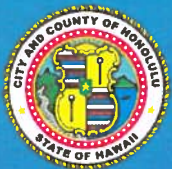
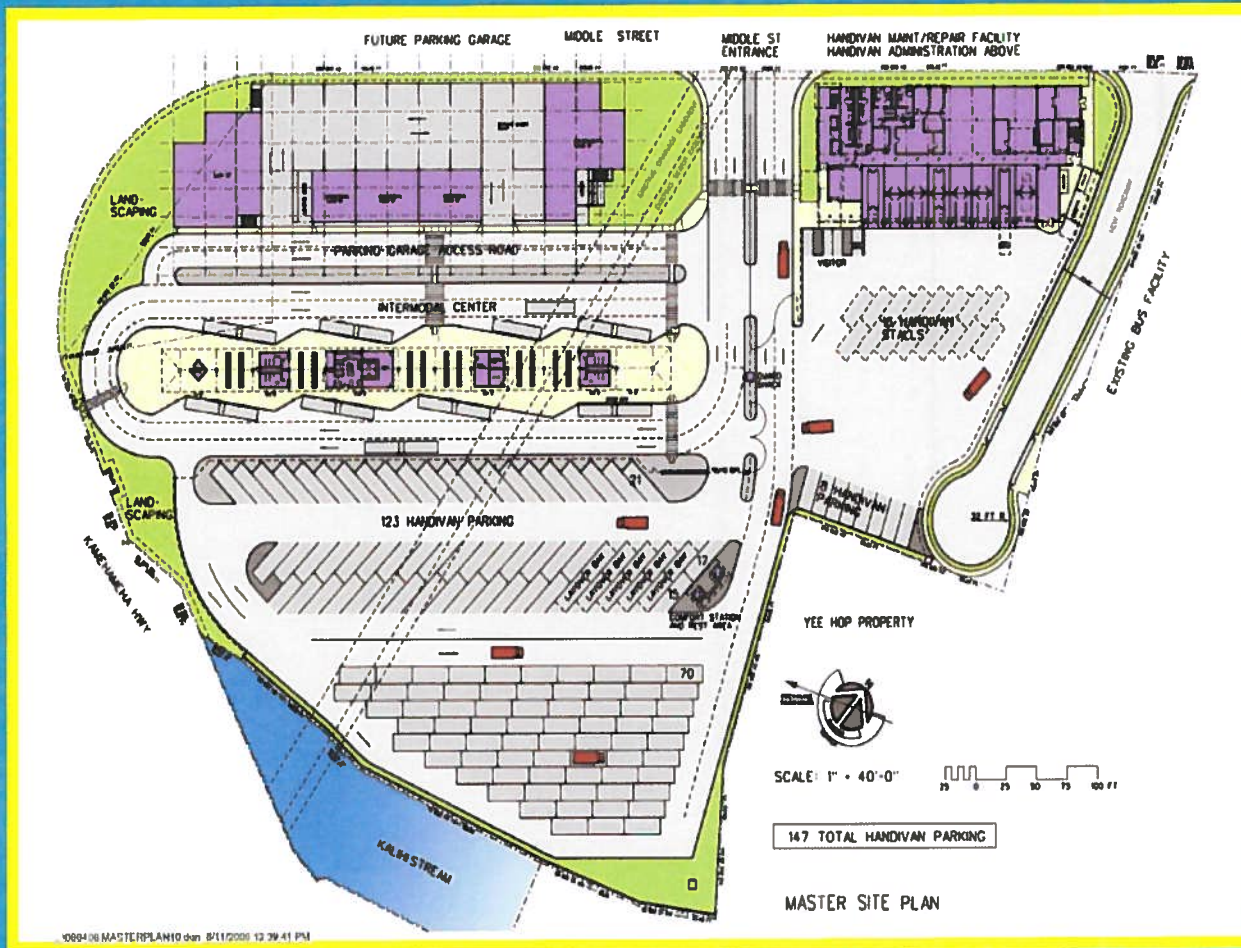
# PUBLIC TRANSIT



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# Middle Street Intermodal Center



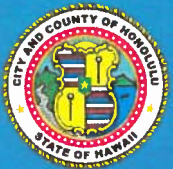


# On-Bus Cameras





# On-Bus Cameras





# ACTION: Manage Demand More Efficiently



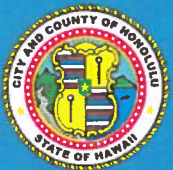
- ┌ 100% in-person Eligibility Assessments
- ┌ Agency-provided trips
- ┌ Ride Scheduling Optimization





# 100% In-Person Eligibility Assessments

- ┌ Improved accuracy of the Handi-Van eligibility screening process
- ┌ Allows an applicant to fully describe their transportation needs.
- ┌ Started October 2009

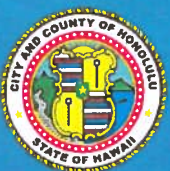




# Agency-Provided Trips



- Help human service agencies provide rides for their day program participants.
- Increases seats during peak hours for demand riders
- Current partner: Goodwill Industries
- Upcoming new partner: Salvation Army





# Scheduling & Dispatch Optimization

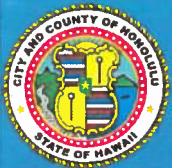


- Software available to schedule Handi-Van rides.
- Consultant team providing technical assistance to show Handi-Van staff how to effectively use ride reservations and vehicle dispatch functions.
- Handi-Van riders will receive more realistic scheduled ride reservation times when they make their reservations.





# TRAFFIC ENGINEERING



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# PROJECTS

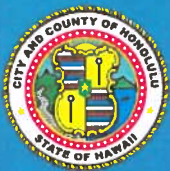


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# Nuuanu Avenue Corridor Safety

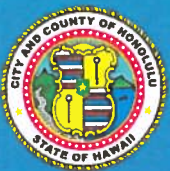
- Improve pedestrian and school safety in busy collector street corridor
- Multiple schools located along this segment
  - Kawananakoa Intermediate School
  - Hawaii Baptist Academy Lower School
  - Cathedral School
  - Soto Academy
  - Hongwanji Mission School





# Nuuanu Avenue Corridor Safety

- Proposed Projects
  - Upgrade crosswalk warning signs
  - “School” warning in pavement
  - Driver speed feedback signs
  - Selected parking restrictions





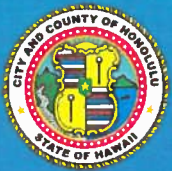
# Nuuanu Avenue Corridor Safety Driver Speed Feedback Signs







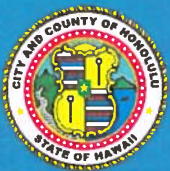
- Numbers flash
- White Strobe flash
- Cost: \$24,000





# Kalihi Street Shoulder Improvements

- ┌ Kalihi Uka Elem (Monte St) to Nalanieha St
- ┌ Improve shoulder to enhance traffic safety for pedestrians and vehicles
- ┌ Project information:
  - Contractor: Henry's Equipment and Sales
  - Construction Cost: \$150,790
  - Construction NTP: March 2012
  - Completion: Early 2013





# Kuakini Street Extension

- Plans Completed
- Utility agreement in progress (HECO)
- TIP amendment: March 2012
- ROW issues in discussion





# Dillingham/Waiakamilo Intersection Improvements

- ┌ Implement Makai-bound Left-turn Lane and Left-turn Signal on Waiakamilo Road
- ┌ Project Information
  - Design consultant: Austin Tsutsumi Assoc.
  - Design NTP: Feb 2012
  - Construction NTP: Mid 2013
  - Completion Estimate: End 2013





# COMPLETE STREETS



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# Complete Streets

- Act 54 and Hawaii Revised Statutes 264-20.5 require the State of Hawaii and the City and County of Honolulu and the Counties of Hawaii, Maui, and Kauai to adopt a Complete Streets Policy.





# Complete Street Concepts

## Completing a Street Some ideas that work

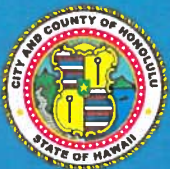
- 1 Resting places
- 2 Ramps to crosswalks
- 3 Pedestrian-friendly medians
- 4 Visible signs
- 5 Recessed bus stops
- 6 Raised crosswalks
- 7 Advanced stop lines
- 8 Bike lanes
- 9 On-street parking
- 10 Wide, raised sidewalks





# Issues

- Challenge to retro-fit older area infrastructure to incorporate complete streets elements
- Disagreement among people on what elements should be implemented
- Paradigm shift for auto-centered society





# Current Efforts

- DTS working with AARP and Council Transportation Committee to craft Complete Streets Policy for Honolulu
- DTS/DDC/DFM working cooperatively to coordinate projects to maximize opportunities to incorporate Complete Streets concepts into projects.





# Future Efforts

- Transit Oriented Development (TOD) holds the greatest promise of implementing Complete Streets through redevelopment of existing areas.
- New developments will incorporate Complete Streets elements through subdivision standards.





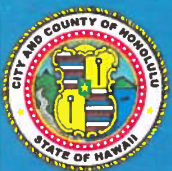
# TRAFFIC SIGNALS & TECHNOLOGY



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# DOWNTOWN/CHINATOWN STREET USAGE PERMIT

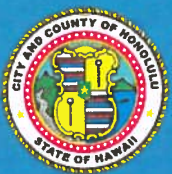


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# Downtown/Chinatown Events

- Number of Events
- Timing of Events
- Application Process
- Notification Requirements





# JOINT TRAFFIC MANAGEMENT CENTER

(JTMC)

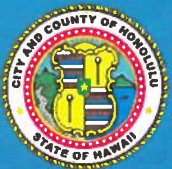


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# Active Traffic Management

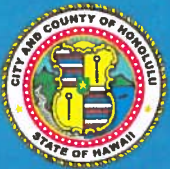
- ATM is a combination of people and systems to improve traffic operations
  - 24/7 for typical operations
  - Traffic incidents
- The JTMC creates the environment for Active Traffic Management





# Joint Traffic Management Center

- Upgrades our Honolulu Traffic Management Center
- Potential Integration with EOC
- Integrate Incident Response
- Active Traffic Management





# Current TMC: 740 Kinalau Place



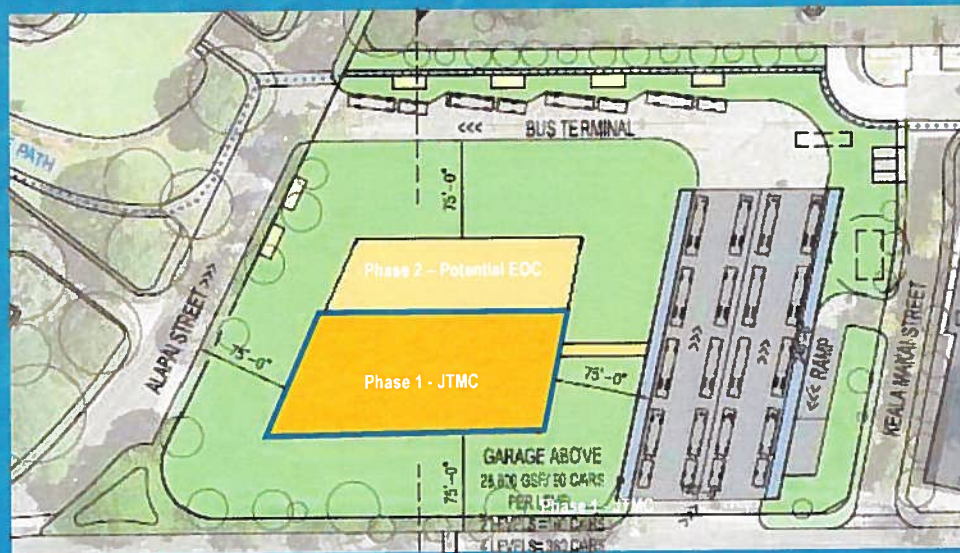
- Bldg. #1: 2500 SF
- Bldg. #2: 1600 SF
- 12 Parking Stalls
- Lot: 17,260 SF
  - TMC is over capacity today
  - Site cannot accommodate expansion





# Alapai Site Plan & JTMC Footprint

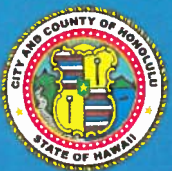
- Total Buildable Area: 27,530 gsf/floor
- Proposed JTMC: 18,000 gsf/floor (Footprint)
  - Total 39,300 GSF 2 floors plus a mezzanine
- Expansion Area: 9,530 gsf/floor





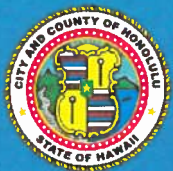
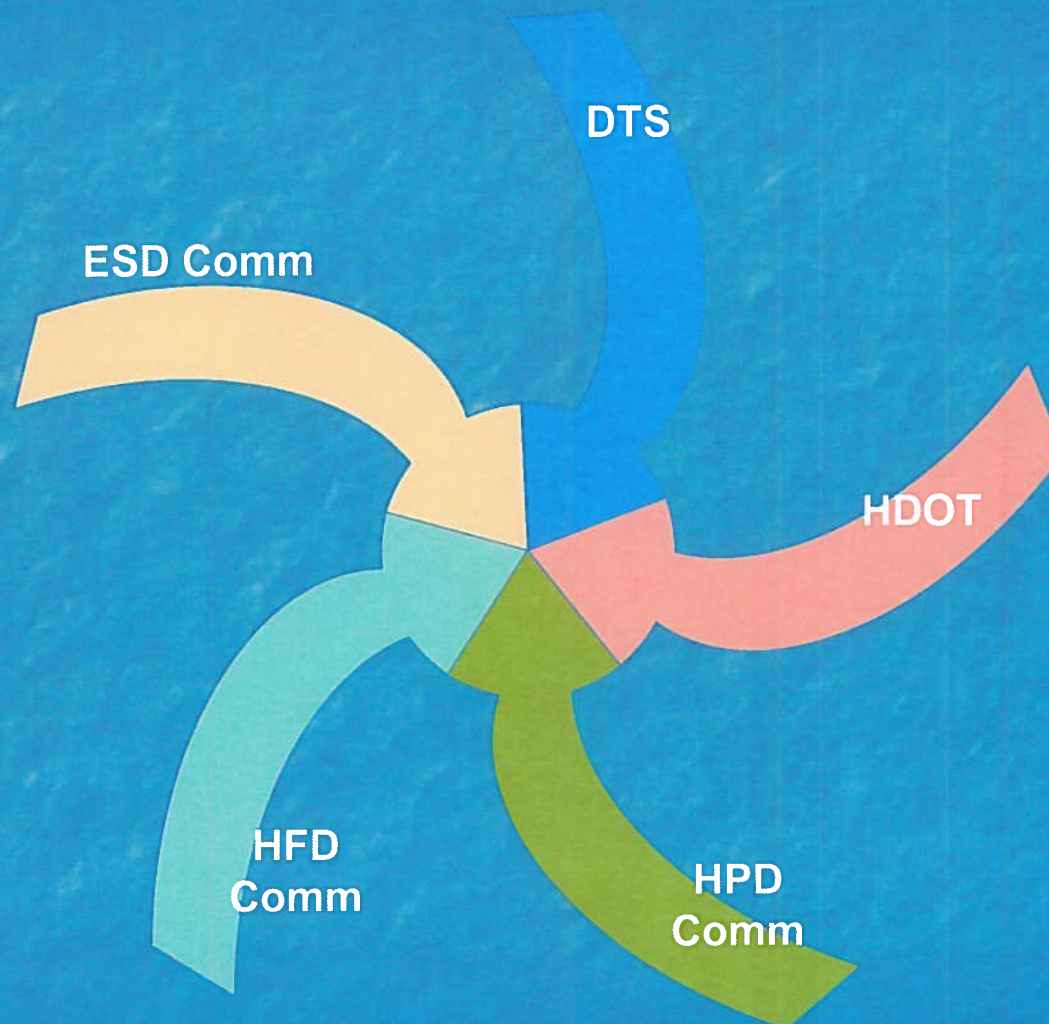
# Who's In

- Operations and management personnel from:
  - DTS (Traffic Signal Operations)
  - HDOT (Freeway Operations)
  - HPD Dispatch
  - HFD Dispatch
  - ESD Dispatch





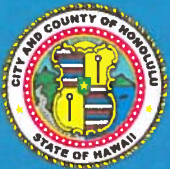
# Integrate Incident Response





# Active Traffic Management

- ┌ ATM addresses:
  - Primarily - normal, daily traffic operations
  - Secondarily - major events and incidents that impact traffic
- ┌ The “Active” portion of ATM consists of two parts:
  1. Continuous monitoring
  2. Changing traffic control/management to respond to, or in anticipation of, traffic conditions





# Fairfax County, VA



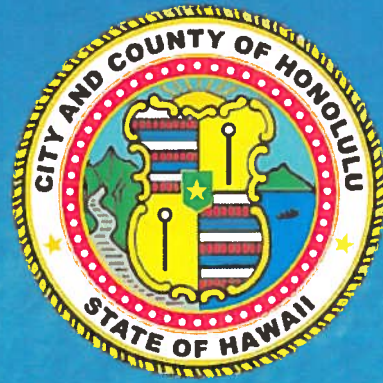
State DOT

- Traffic Signals
- Freeway ITS

County Police,  
Fire, EMS Dispatch







# Mahalo

## Questions or Comments?



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