

WORK ELEMENT 201.40-04 MAINTENANCE OF THE OAHU ITS REGIONAL ARCHITECTURE

Objective(s) (FY 2004):

To establish a method for maintaining the Oahu Regional Intelligent Transportation Systems (ITS) Architecture.

To enhance the ITS capabilities of Oahu's transportation planning process.

Product(s) (FY 2004):

1. Methodology and procedures to maintain the Oahu Regional ITS Architecture.
2. Enhanced documentation on the Oahu Regional ITS Architecture.
3. Procedures to amend the Oahu Regional ITS Architecture.
4. Up-to-date Oahu Regional ITS Architecture.

Previous and Ongoing Related Work:

OMPO began development of the Oahu Regional ITS Architecture in 2001 and completed the architecture in April 2003, with its endorsement by the OMPO Policy Committee.

U.S. Department of Transportation (USDOT) Rule 940 on regional ITS architectures, Section 940.9(F), states that "agencies and other stakeholders participating in the development of the regional ITS architecture shall develop and implement procedures and responsibilities for maintaining it (the architecture) as needs evolve within the region".

A policy was developed that pertained specifically to ITS Architecture Maintenance: "Policy A.5: The region will establish a method for maintain the ITS Architecture to ensure that eligibility for Federal transportation funding is maintained." The policy on ITS architecture maintenance for Oahu suggests an approach to comply with USDOT Rule 940. This will ensure that the region can continue to use Federal funds for ITS projects, and will ensure that the Oahu Regional ITS Architecture does not become obsolete.

Identification of Need:

This work element will provide a framework for updating and maintaining the Oahu Regional ITS Architecture.

Impact of Work Element:

Successful implementation of this work element will ensure that the Oahu Regional ITS Architecture is maintained. As a result of this ongoing maintenance, it will ensure that Oahu continues to receive federal funds for ITS efforts.

Tasks:

1. Utilize the existing ITS Organizational Structure ad hoc Task Force (see document endorsed by the OMPO Policy Committee on November 17, 2000) to act as the ITS Architecture Maintenance Stakeholder group.
2. Attend training sessions and workshops to enhance ITS capabilities.
3. Sponsor workshops and/or training opportunities for agency staff.
4. Ensure that proposed ITS projects in the Transportation Improvement Program (TIP) are consistent with the Oahu Regional ITS Architecture.
5. Develop procedures to amend the Oahu Regional ITS Architecture.
6. Amend the Oahu Regional ITS Architecture as necessary.
7. Document changes to the Oahu Regional ITS Architecture.

Estimated Completion Date: June 2004

Estimated DBE Opportunity: None

Estimated Cost by Funding Source:

<u>Total</u>	<u>FTA</u>	<u>FHWA</u>	<u>STP</u>	<u>Local M</u>	<u>Local S</u>
33,600		26,880		6,720	

Estimated Staff/Other Costs:

<u>Agency</u>	<u>Staff</u>	<u>Person Months</u>	<u>Cost</u>
DOT-HWY-T	Planners/Engineers	2.4	12,000
DTS	Planners/Engineers	1.0	5,000
OMPO	Planners/Engineers	1.9	10,900
	Support Staff	0.4	1,500
	<u>Other</u>		
DOT-HWY-T	Software (Turbo Architecture)		1,400
DTS	Software (Turbo Architecture)		600
OMPO	Overhead		2,200
Total:			33,600