



**Regional  
Transportation  
Authority**

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## **Memorandum**

**To:** Matt Maloney, CMAP  
**From:** Mark Pitstick  
**Date:** May 26, 2011  
**Subject:** RTA Reprogramming Request for SFY 2010 UWP Funds

The RTA hereby requests reprogramming of unexpended SFY 2010 UWP funds originally programmed for the "Regional Transit Technology Plan" project. This project, originally budgeted at \$150,000 (\$120,000 federal and \$30,000 local), has been terminated by the RTA. No additional work on this project is anticipated at this time.

The remaining UWP funds (approximately \$112,000 federal and \$28,000 local) would be used to enhance the existing "Regional Data Archive Demonstration" project. The original and enhanced budget and scope for this project are provided below:

### **Regional Data Archive Demonstration Project – Transit Component**

Original Budget - \$90,000 (\$72,000 federal plus \$18,000 local match)

Original Scope - Contribute to the design and implementation of a CMAP-led web-based data exchange mechanism for archived transportation data. RTA has significant experience with web-based data access in its RTAMS system which currently serves 2,000+ users. Expected contributions are access to transit data and potential adaptation of the RTAMS user interface to provide content management, data visualization and analysis.

Enhanced Budget - \$230,000 (\$184,000 federal plus \$46,000 local match)

Enhanced Scope - As part of the overall CMAP development effort, the RTA is looking to set the direction for implementation of the transit component of the regional data archive system. This project will follow a systems engineering approach to developing the Regional Data Archive System including needs assessment, concept of operations development, technical requirements solicitation, and final system design. Additionally, the project will include demonstration of a research application that is enabled by the implementation of a Regional Data Archive System.

A complete description and justification of the enhanced project is attached.

<b>Project Title</b>	<b>Regional Data Archive Demonstration – Transit Component</b>
<b>Sponsoring Agency</b>	<b>Regional Transportation Authority</b>
<b>FHWA/FTA Amount Requested</b>	\$184,000
<b>Local Match Amount</b>	\$46,000
<b>Total Project Cost (Local Match Amount must be at least 20% of Total Project Cost)</b>	\$230,000

### *Description and Justification*

#### *Brief Description:*

***As part of the overall CMAP development effort, the RTA is looking to set the direction for implementation of the transit component of the regional data archive system. This project will follow a systems engineering approach to developing the Regional Data Archive System including needs assessment, concept of operations development, technical requirements solicitation, and final system design. Additionally, the project will include demonstration of a research application that is enabled by the implementation of a Regional Data Archive System.***

#### *Major Tasks (up to 20)*

1. Assess Needs/ Review State of Practice
2. Develop Concept of Operations
3. Develop Technical Requirements
4. Develop Detailed Design
5. Demonstrate Research Application
6. Develop Implementation and Operations Plan

*Discretionary Justification: Please identify one regional focus area associated with this project.*

**Improving Decision-Making Models**

*Discretionary Justification: How does this project relate to one or more of these regional focus areas?*

This project directly relates to improving decision-making models by enabling the collection, archiving, management, and distribution of data that is needed for transportation administration, policy evaluation, safety, planning, performance monitoring, program assessment, operations, and research applications.

*Discretionary Justification: Will this project inform or achieve regional or subregional land use, housing, environmental, economic development, or human services goals? Please explain.*

**Because the Regional Data Archive System will utilize data from multiple functional areas, modes, and jurisdictions, it can generate information products that would inform regional or subregional land use, housing, environmental, economic development, and human services goals.**

*Is this project a continuation of previous work? If so, please explain.*

**This project is not a continuation of a previous UWP project but is being conducted in conjunction with CMAP's regional data archive system effort.**

*Is this project regional in scope? Please explain.*

**The project is regional in scope as it involves the contribution to and utilization by multiple agencies including the RTA, CTA, Metra, Pace, and CMAP.**

*Who will benefit from the interim or final products of this project?*

**The entire region will benefit from the products of this project.**

*What is the source of funds for the local match portion of this project?*

**Regional Transportation Authority**

<i>Products and Completion Schedule</i>		
<b>Product</b>	<b>Product Type</b>	<b>Completion Date</b>
Needs Assessment Report	Outside distribution	10/ 31/ 2011
State of the Practice Report	Outside distribution	12/ 31/ 2011
Concept of Operations Document	Outside distribution	2/ 28/ 2012
Technical Requirements Document	Outside distribution	5/ 31/ 2012
Detailed Design Document	Outside distribution	08/ 31/ 2012
Research Application Demo	Outside distribution	04/ 30/ 2012
Implementation and Operations Plan	Outside distribution	10/ 31/ 2012

<i>Expense Breakdown</i>	
<i>Staff (including overhead) cost</i>	\$
<i>Total Person Months</i>	
<i>Consultant Cost</i>	<b>\$230,000</b>
<i>Other Costs</i>	\$
<i>Total Project Cost</i>	<b>\$230,000</b>
<p><i>Please specify the purpose of consultant costs</i></p> <p><i>The RTA plans to engage a systems engineering firm to develop the products listed above. To develop said products, it is expected that the firm will assess data contributors (both ITS and non-ITS data sources in the region) and solicit needs and technical requirements from project stakeholders.</i></p>	
<p><i>Please specify the purpose of other costs</i></p> <p><i>The RTA will manage this project with in-house resources.</i></p>	