



**TRANSPORTATION COMMITTEE  
OCTOBER 17, 2014**

**ACTION REQUESTED - APPROVE**

**PROPOSED FY 2015 PROGRAM BUDGET AMENDMENT:  
FEDERAL HIGHWAY ADMINISTRATION  
TRANSPORTATION MODELING GRANTS**

File Number 2300000

**Introduction**

The Federal Highway Administration (FHWA) has selected SANDAG to receive two grants totaling \$170,000 to enhance the SANDAG Activity-Based Model (ABM).

**Discussion**

Under the Strategic Highway Research Program (SHRP2), SANDAG has been awarded \$150,000 to enhance the SANDAG ABM. The enhancement focuses on improving value of time treatment in traveler response to congestion, travel time reliability, and pricing. The outcome of this 18-month project will be to broaden the range of transportation policies that can be tested using the ABM.

Additionally, the FHWA Technical Services Resource Center has awarded SANDAG \$20,000 to investigate alternative data sources for ABM external trip model calibration. The external-internal trip model component of ABM models trips with origins outside our region and destinations within the region. Cordon surveys are the traditional source of data to calibrate external trip models. Cordon surveys are expensive, are conducted infrequently, and provide a very limited set of data. Anonymized data from cell phones and GPS devices are available from vendors and potentially provide a rich, ongoing source of calibration data at a fraction of the cost of cordon surveys. This project will investigate the viability of cell phone/GPS device data as an ABM calibration data source. This award was approved for FY 2014 only and is proposed to be carried forward into FY 2015.

***Regional Transportation Improvement Program***

FHWA has notified SANDAG that in order to obligate the SHRP2 funds, the project must be programmed in an approved Regional Transportation Improvement Program (RTIP). Amendment No. 19 proposes to add \$150,000 of SHRP2 funds to SAN40, which programs federal funds for

**Recommendation**

The Transportation Committee is asked to: (1) approve the proposed FY 2015 Program Budget amendment, accepting Federal Highway Administration grant funds totaling \$170,000 for transportation model improvements, in substantially the same form as shown in Attachment 1; and (2) approve Amendment No. 19 – Administrative Modification to the 2012 Regional Transportation Improvement Program, in substantially the same form as shown in Attachment 2.

planning purposes. The deadline to request obligation is November 17, 2014. Amendment No. 19 is considered an administrative modification because this change is increasing by less than 40 percent, or \$10 million, which is consistent with the federally accepted administrative modification procedures. The federal agencies delegated the approval of administrative modifications to the state, thereby streamlining the approval process.

## **SANDAG**

**Metropolitan Planning (SAN40)** – This amendment proposes to add \$150,000 of SHRP2 funds to this project in order to allow SANDAG to move forward with the obligation process. The total project increases by \$150,000 for a new project total of \$18,997,000.

As an administrative modification, an updated fiscal constraint analysis is not required. The proposed change included in Amendment No. 19 does not affect the fiscal constraint submitted as part of Amendment No. 15 to the 2012 RTIP, the last federally approved formal amendment that updated the financial capacity for the 2012 RTIP.

## ***Air Quality Analysis***

On September 28, 2012, SANDAG found the 2012 RTIP in conformance with the Regional Air Quality Strategy/State Implementation Plan (SIP) for the San Diego region. The FHWA and the Federal Transit Administration jointly approved the conformity determination for the 2012 RTIP and the conformity redetermination for the 2050 Regional Transportation Plan (RTP) on December 14, 2012. On May 24, 2013, the Board of Directors approved the 2012 RTIP, Amendment No. 2, including the air quality conformity analysis and redetermination of the 2050 Revenue Constrained RTP, and received federal approval on June 28, 2013.

The proposed amendment does not reflect a change in the design, concept, or scope of the project or the conformity analysis years as modeled for the regional emissions analysis of the 2012 RTIP and 2050 RTP. Projects in Amendment No. 19 meet the conformity provisions of the Transportation Conformity Rule (40 CFR §93.122(g)). SANDAG followed interagency consultation procedures to determine that these projects are exempt. Amendment No. 19 would not interfere with the timely implementation of Transportation Control Measures. The 2012 RTIP, including Amendment No. 19, would remain in conformance with the SIP.

KURT KRONINGER  
Director of Technical Services

Attachment:     1. Proposed amendment to Project No. 2300000  
                  2. Table 1: 2012 Regional Transportation Improvement Program – Amendment  
                      No. 19 – Administrative Modification

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**Table 1**  
**2012 Regional Transportation Improvement Program**  
**Amendment No. 19**  
**San Diego Region (in \$000s)**

**San Diego Association of Governments**

<b>MPO ID: SAN40</b>		<b>RTIP #:12-19</b>								
Project Title:	Metropolitan Planning						SANDAG ID: 33001, 33201, 33003, 34200, 23000			
Project Description:	Countywide - ongoing regional transportation planning as well as administrative oversight for various <i>TransNet</i> and FTA-funded programs.									
Change Reason:	Increase funding									
Capacity Status:	NCI Exempt Category: Other - Non construction related activities									
Est Total Cost: <b>\$18,997</b>										
	TOTAL	PRIOR	12/13	13/14	14/15	15/16	16/17	PE	RW	CON
<i>TransNet</i> - BPNS	\$40		\$20	\$20				\$40		
<i>TransNet</i> - SGIP	\$40		\$20	\$20				\$40		
<i>TransNet</i> - SS	\$84		\$42	\$42				\$84		
<i>TransNet</i> - TSI	\$192				\$192			\$192		
FTA 5307	\$14,762		\$3,345	\$3,806	\$3,806	\$3,806		\$14,762		
ITS	\$231		\$231					\$231		
SHRP2	\$150				\$150			\$150		
Local Funds	\$3,498		\$836	\$760	\$951	\$951		\$3,498		
<b>TOTAL</b>	<b>\$18,997</b>		<b>\$4,494</b>	<b>\$4,648</b>	<b>\$5,099</b>	<b>\$4,757</b>		<b>\$18,997</b>		
<b>PROJECT LAST AMENDED 12-14</b>										
	TOTAL	PRIOR	12/13	13/14	14/15	15/16	16/17	PE	RW	CON
<i>TransNet</i> - BPNS	\$40		\$20	\$20				\$40		
<i>TransNet</i> - SGIP	\$40		\$20	\$20				\$40		
<i>TransNet</i> - SS	\$84		\$42	\$42				\$84		
<i>TransNet</i> - TSI	\$192				\$192			\$192		
FTA 5307	\$14,762		\$3,345	\$3,806	\$3,806	\$3,806		\$14,762		
ITS	\$231		\$231					\$231		
Local Funds	\$3,499		\$836	\$760	\$951	\$951		\$3,499		
<b>TOTAL</b>	<b>\$18,848</b>		<b>\$4,494</b>	<b>\$4,648</b>	<b>\$4,949</b>	<b>\$4,757</b>		<b>\$18,848</b>		