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MEETING NOTICE AND AGENDA

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TRANSPORTATION MODELING FORUM

The Transportation Modeling Forum may take action on any item appearing on this agenda.

Wednesday, December 14, 2011

1:30 to 3:00 p.m.

SANDAG, Board Room
 401 B Street, Suite 800
 San Diego, CA 92101-4231

Staff Contact: Mike Calandra
 (619) 699-6929
 mca@sandag.org

AGENDA HIGHLIGHTS

- **MODEL OVERVIEW: GROWTH FORECAST AND TRAVEL DEMAND MODEL**
- **MODEL TRANSPORTATION NETWORKS**
- **TRAVEL DEMAND MODEL RESOURCES**

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TRANSPORTATION MODELING FORUM

Wednesday, December 14, 2011

ITEM #		RECOMMENDATION
1.	WELCOME AND INTRODUCTIONS Clint Daniels will greet the group and introduce the San Diego Association of Governments (SANDAG) travel demand modeling staff.	
+2.	MODEL OVERVIEW: GROWTH FORECAST AND TRAVEL DEMAND MODEL (Rick Curry) Rick Curry will present an overview of the Series 12 growth forecast and how it supports the 2050 Regional Transportation Plan. The presentation will focus on what has changed in the model as well as the process of completing travel demand model alternatives for prioritizing transportation projects.	INFORMATION
3.	MODEL TRANSPORTATION NETWORKS (Joaquin Ortega) Joaquin Ortega will present the transportation network review process. The process was completed in 2009 with most jurisdictions in the region participating.	INFORMATION
4.	TRAVEL DEMAND MODEL RESOURCES (Mike Calandra) Mike Calandra will give a presentation that includes an overview of available travel demand model comparisons as well as customized travel demand model output.	INFORMATION
5.	OPEN DISCUSSION Time will be reserved for an open discussion/question and answer session.	DISCUSSION
6.	NEXT MEETING The next meeting of the Transportation Modeling Forum will be held Wednesday, June 13, 2012, from 1:30 to 3:00 p.m. at SANDAG in the 7th floor Conference Room.	INFORMATION
7.	ADJOURNMENT	

+ next to an agenda item indicates an attachment

SANDAG Travel Demand Model Comparisons

	Series 10	Series 11	Series 12
Software	TranPlan	TransCAD 4.8	TransCAD 5.0
Platform	UNIX	Windows XP	Windows Server
Model Run Time	10 hours	12 hours	20 hours
MGRA	33353	33353	21633
TAZ	4605	4605	4682
TDZ	n/a	2000	2000
RTP	2003	2006 Update and 2007	2011
Base Year	2000	2003	2008
Horizon Year	2030	2030	2050
Trip Generation Regional CCDC	Dwelling Unit, Acre, Site & Unique Dwelling Unit, Employee, Site & Unique	Dwelling Unit, Acre, Site & Unique Dwelling Unit, Employee, Site & Unique	Dwelling Unit, Acre, Site, Unique & Truck Dwelling Unit, Employee, Site, Unique & Truck
Feedback Loops	1	1	4
Trip Distribution: 4D*	n/a	n/a	Trip Length Calibration
Mode Choice	9 modes	16 modes	16 modes
Mode Choice: 4D*	n/a	n/a	Utility Equation Updated
Toll	Speed Reduction	Speed Reduction	Congestion Pricing
Assignment Classes	<u>2</u> : SOV & HOV	<u>4</u> : SOV, SOVT, HOV, & HOVT	<u>14</u> : SOV, SOVT, HOV2, HOV2N, HOV2T, HOV3+ HOV3+N, HOV3+T, LHD, MHD, HHD, LHDT, MHDT, & HHDT
Assignment Function	User Equilibrium	Multi-Modal Assignment (equilibrium)	Multi-Modal Assignment (bi-conjugate)
Assignment Iterations	4 iterations	0.01 Convergence Criteria	0.001 Convergence Criteria

Transportation Modeling Forum, December 14, 2011
Agenda Item #8

* - 4D = Density (units/jobs per acre), Diversity (mix of land use), Design (walk and bike) and Destination (regional activity centers)