



# ***El Dorado County Traffic Model Update***

Department of Transportation  
Prepared for the Board of Supervisors  
December 19, 2011

Legistar Item # 11-1441

## ***Purpose of today's presentation:***

1. Provide the Board with a progress report on Traffic Model Update
2. Answer any questions
3. Request direction from the Board of Supervisors on Next Steps

## *Agenda*

- Background
- Phasing of Traffic Model Update
- Phase 1 – Traffic Model Needs Assessment (“Quick Start”)
- Kimley-Horn Presentation
- Phases 2– Traffic Model Update (2010 Baseline)
- Next Steps

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## *Background*

- 2009-2010: Traffic Analysis Zones (TAZ) were updated
- May 2010: Request for Proposals (RFP) for a Travel Demand Forecasting Model Update submitted to four (4) Traffic Engineering consultants (Dowling Associates, Inc, Fehr and Peers, Kimley-Horn, and DKS Associates).
- June 2010: DOT received and reviewed three (3) proposals (Dowling Associates, Inc., Fehr and Peers, and DKS Associates) with final selection by the DOT for DKS Associates.
- July 2010 to July 2011: Execution of contract put on hold based on various items moving forward (i.e. General Plan Amendment) with further evaluation of the SOW.
- August 2011: DOT in coordination with EDAC decided to separate the original RFP SOW into two (2) Phases (Phase 1 – Needs Assessment, Phase 2 -Traffic Model update)
- October 2011: DOT entered into Contract with Kimley-Horn to complete the Phase 1 SOW – Needs Assessment (aka “Quick Start”)

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## ***Phasing of Traffic Model Update***

- Phase 1 – Traffic Model Needs Assessment (aka “Quick Start”)
- Phase 2 – Update of Traffic Model to obtain current baseline information up to 2010 conditions and to update the County system related to GIS data and layers
- Phase 3 – Integration of updated Land Use Forecasts into Traffic Model with subsequent amendments to General Plan and complete “what if” scenarios related to the TIM Fee Program, CIP Development, and analysis of discretionary projects

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## ***Phase 1 – Traffic Model Needs Assessment (“Quick Start”)***

- October 27, 2011 County executed a Contract with Kimley-Horn & Associates for Traffic Model Needs Assessment
- Purpose of Phase 1 SOW:
  1. Review resources, existing traffic model, existing GIS data and information that the County has in place
  2. Interview stakeholders to gather information on what is needed for a revised Traffic Model and convene a workshop
  3. Complete a comparison analysis on Traffic Model Software Platforms
  4. Recommendations for preferred Traffic Model Software Platform and in-house operations
  5. Provide a Traffic Model Software Platform specification and implementation tasks

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## **Kimley-Horn Presentation**

### Traffic Model Update Needs Assessment

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## ***Phases 2– Traffic Model Update***

- Phase 2 SOW
  - Purchase New Traffic Model Software pursuant to Phase 1 recommendations
  - Update Traffic Model to 2010 baseline conditions
  - Update GIS data and layer information based on recommendations from Phase 1
  - Develop SOW for Phase 3 – Future forecast Traffic Model Update in coordination with DSD

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## *Next Steps*

- **Phase 2 Next Steps:**
- Step 1 – Further evaluate the two recommended Traffic Modeling Software packages and select the preferred;
- Step 2 - Complete a separate Software Vendor Contract for the purchase, training, set-up, and support of the preferred Traffic Model software platform;
- Step 3 – Update the County GIS and associate traffic data/layer system for Traffic Model integration (This step could begin concurrently with Step 1);
- Step 4 – Complete the GIS data/layer gap assessments; and,
- Step 5 – Update and Initiate the Phase 2 SOW Professional Services Contract for the Traffic Model Update – 2010 Baseline Conditions

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## *Next Steps (Cont.)*

The following additional steps will be required during the development of the Phase 3 SOW for the El Dorado County Traffic Model update, which relates to future forecasting within the 2004 General Plan horizon with subsequent amendments.

### **Phase 3 Next Steps:**

- Step 1 - DOT will develop the Phase 3 future forecast Traffic Model update SOW with associated budget as part of the DOT FY 12/13 budget process;
- Step 2 – DOT will coordinate with DSD with respect to the General Plan update with future land use forecast scenarios; and,
- Step 3 – DOT will implement the Phase 3 SOW during FY 12/13 within the approved budget.

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