



August 17, 2007

2007 AUG 17 PM 1:11

Jim Ware  
El Dorado County Department of Transportation  
3850 Fairlane Court  
Placerville, CA 95667

RECEIVED  
BOARD OF SUPERVISORS  
EL DORADO COUNTY

Re: Roadway Standard Plan 101C

Dear Jim:

SURVEYORS  
ARCHITECTS  
GEOLOGISTS  
ENGINEERS

*of El Dorado County*

**2007 Officers**

**President**

Peter S. Brewster, PLS  
Brewster & Associates  
530.677.3348

**President-Elect**

Brian Baca, RG, CEG  
El Dorado County  
Development Services Dept.  
916.358.3602

**Secretary**

Nicole Young, PE  
Lebeck & Young Engineering  
530.677.4080

**Treasurer**

Greg Hicks, PE  
El Dorado County  
Department of Transportation  
530.621.5929

Per your request, a Sub-Committee of SAGE was formed to review the new proposed 101C road standard for local roadways: rural regions and rural centers. The sub-committee and DOT were able to come to a consensus on the new 101C standard. At a meeting of the general SAGE membership on August 2, 2007, SAGE approved the revised 101C standard subject to some slight modifications that were to be made for clarity reasons by yourself and the sub-committee. It is my understanding that these changes have now been completed and the sub-committee confirms that these modifications were minor and for clarity only. The final version of the revised 101C standard has been e-mailed to the entire SAGE membership for review and the individual members have been directed to forward any comments or concerns they may have directly to you and/or the Board of Supervisors prior to the August 21 Board of Supervisors agenda date for this item.

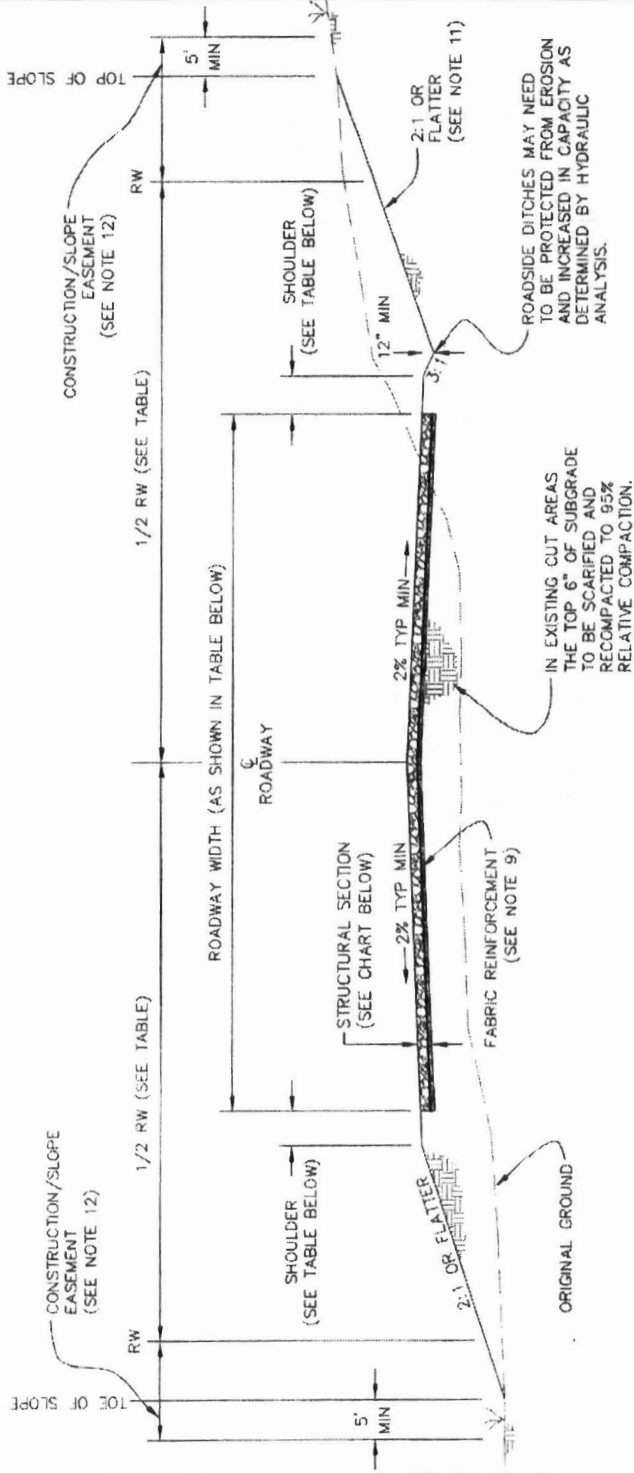
Sincerely,

Peter Brewster  
SAGE President

c: SAGE General Membership



# GREATER THAN 2,000 ADT USE STANDARD PLAN 101A OR 101B



**NOT TO SCALE**

ADT	RW	ROADWAY WIDTH	SHOULDER WIDTH	DESIGN SPEED	MAX GRADE	STRUCTURAL SECTION
1-150	50'	18'	1' (EACH SIDE)	20 MPH	15% PAVED 12% UNPAVED *	6" CLASS 2 AB (SEE NOTE 10)
151-600	50'	18'	2' (EACH SIDE)	25 MPH	(SEE NOTE 4)	
601-1500	60'	20'	5' (EACH SIDE)	40 MPH	13% *	4" AC ON 7" AB
1501-2000	60'	22'	6' (EACH SIDE)	40 MPH		4" AC ON 8" AB

\* 15% WITH COUNTY ENGINEER'S APPROVAL (NOT TO EXCEED 600 L.F.)



APPROVED BY: *[Signature]* 2/17/07  
 RICHARD W. SHEPARD, P.E. NO. 35439  
 DIRECTOR, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION  
 DATE: \_\_\_\_\_  
 BOARD OF SUPERVISOR'S RESOLUTION NO. \_\_\_\_\_

**EL DORADO COUNTY**  
 DEPARTMENT OF TRANSPORTATION  
**DESIGN STANDARDS**



LOCAL ROADWAYS:  
 RURAL REGIONS &  
 RURAL CENTERS

STD. PLAN  
 101C

**NOTES:**

1. STANDARD PLAN 101A OR 101B SHALL BE USED FOR ALL COUNTY MAINTAINED ROADS AND ALL NON-COUNTY MAINTAINED ROADS WITHIN COMMUNITY REGIONS.
2. ADT DATA SHOWN IN THE TABLE ARE THE FORECASTED FOR 20-YEAR OUT DAILY VOLUMES.
3. ROADS ABOVE 3,000 FT ELEVATION SHALL BE AC PAVED. THE MINIMUM STRUCTURAL SECTION SHALL BE 2.5" AC ON 6" AB FOR ROADS WITH ADTS LESS THAN 601.
4. ROADS WITH ADT LESS THAN 601 MAY EXCEED THE 12% MAXIMUM GRADE UP TO A MAXIMUM OF 15% FOR MORE THAN 600 L.F. IF THEY ARE PAVED WITH A MINIMUM OF 2.5" AC ON 6" AB.
5. WIDENING OF EXISTING ON-SITE ROADS SHALL COMPLY WITH MINIMUM STRUCTURAL SECTION REQUIRED AND HAVE AS GOOD OR BETTER SURFACING THAN EXISTING ROAD.
6. ANY MODIFICATION TO STRUCTURAL SECTION SHOWN SHALL BE BASED ON "R" VALUE AND "I.I." DESIGN TO BE SUBMITTED TO DOT FOR REVIEW AND APPROVAL.
7. AC SHALL BE TYPE B.
8. THE TOP 6" OF SUBGRADE AND ALL CLASS 2 AB SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
9. FABRIC REINFORCEMENT IS REQUIRED ON ALL YIELDING SUBGRADES UNLESS AN ALTERNATIVE DESIGN IS PREPARED BY THE ENGINEER AND APPROVED BY THE COUNTY.
10. DOUBLE-CHIP SEAL MAY BE SUBSTITUTED FOR 2" OF AB FOR ROADS WITH ADT BELOW 601.
11. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL, UNLESS A CIVIL ENGINEER DETERMINES THAT A STEEPER SLOPE WILL BE SAFE FOR THE INTENDED USE AND WILL NOT BE SUSCEPTIBLE TO EROSION. SLOPES OVER 10 (TEN) HORIZONTAL TO 1 (ONE) VERTICAL ARE TO BE KEYED WHEN PLACING EMBANKMENT FILL.
12. CONSTRUCTION/SLOPE EASEMENTS SHALL EXTEND 5' BEYOND HINGE POINTS, SLOPE TOES, AND DRAINAGE STRUCTURES.

