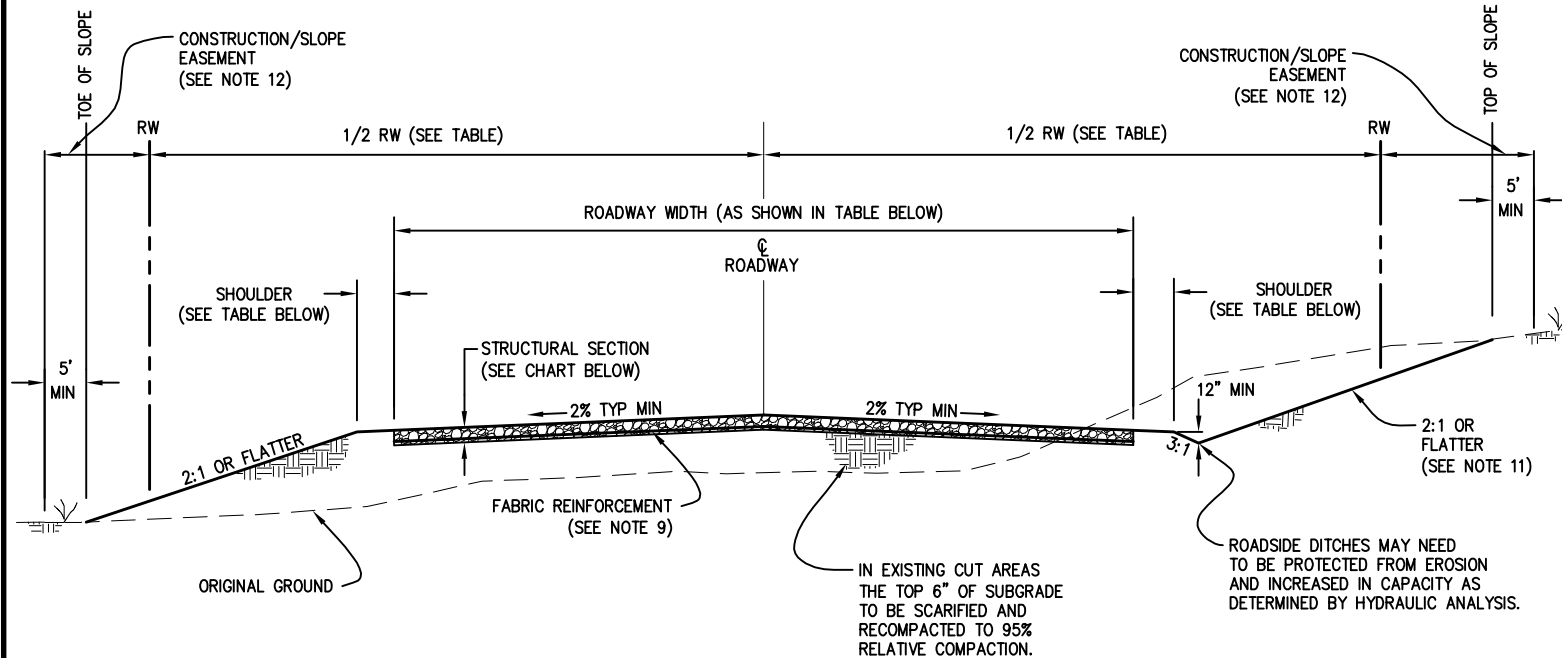


# GREATER THAN 2,000 ADT USE STANDARD PLAN 101A OR 101B



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 * (SEE NOTE 4)	6" CLASS 2 AB (SEE NOTE 10)
151-600	50'	18'	2' (EACH SIDE)	25 MPH		
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]*  
 RICHARD W. SHEPARD, P.E. NO. 35439  
 DIRECTOR, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

8-17-07

DATE:

BOARD OF SUPERVISOR'S RESOLUTION NO.

31-2008

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



**LOCAL ROADWAYS:**  
 RURAL REGIONS &  
 RURAL CENTERS

**STD. PLAN**

101C

## NOTES:

- STANDARD PLAN 101A OR 101B SHALL BE USED FOR ALL COUNTY MAINTAINED ROADS AND ALL NON-COUNTY MAINTAINED ROADS WITHIN COMMUNITY REGIONS.
- ADT DATA SHOWN IN THE TABLE ARE THE FORECASTED FOR 20-YEAR OUT DAILY VOLUMES.
- 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.
- 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.
- WIDENING OF EXISTING ON-SITE ROADS SHALL COMPLY WITH MINIMUM STRUCTURAL SECTION REQUIRED AND HAVE AS GOOD OR BETTER SURFACING THAN EXISTING ROAD.
- ANY MODIFICATION TO STRUCTURAL SECTION SHOWN SHALL BE BASED ON "R" VALUE AND "T.I.". DESIGN TO BE SUBMITTED TO DOT FOR REVIEW AND APPROVAL.
- AC SHALL BE TYPE B.
- THE TOP 6" OF SUBGRADE AND ALL CLASS 2 AB SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
- FABRIC REINFORCEMENT IS REQUIRED ON ALL YIELDING SUBGRADES UNLESS AN ALTERNATIVE DESIGN IS PREPARED BY THE ENGINEER AND APPROVED BY THE COUNTY.
- DOUBLE-CHIP SEAL MAY BE SUBSTITUTED FOR 2" OF AB FOR ROADS WITH ADT BELOW 601.
- 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.
- CONSTRUCTION/SLOPE EASEMENTS SHALL EXTEND 5' BEYOND HINGE POINTS, SLOPE TOES, AND DRAINAGE STRUCTURES.