



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	8" AB (SEE NOTE 11)
151-400	50'	20'	2' (EACH SIDE)	25 MPH		10" AB (SEE NOTE 11)
401-1500	60'	20'	5' (EACH SIDE)	40 MPH	13%	4" AC ON 7" AB
1501-2000	60'	22'	6' (EACH SIDE)	40 MPH	13%	4" AC ON 8" AB
GREATER THAN 2,000 ADT USE STANDARD PLAN 101A OR 101B						

**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 401.
- ROADS WITH ADT LESS THAN 401 MAY EXCEED THE 12% GRADE MAXIMUM, UP TO A MAXIMUM OF 15%, IF THEY ARE PAVED WITH A MINIMUM OF 2.5" AC ON 6" AB.
- ROADS WITH AC PAVING SHALL HAVE 1' OF UNPAVED SHOULDER TO SLOPE HINGE POINT/DITCH EDGE.
- WIDENING OF EXISTING 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.
- ROADS WITH A SUBGRADE "R" VALUE OF LESS THAN 10 SHALL INCLUDE FABRIC REINFORCEMENT.
- DOUBLE-CHIP SEAL MAY BE SUBSTITUTED FOR 2" OF AB FOR ROADS WITH ADT BELOW 401.
- 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.
- SLOPE EASEMENTS SHALL EXTEND 5' BEYOND HINGE POINTS, SLOPE TOES, AND DRAINAGE STRUCTURES.



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

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



**LOCAL ROADWAYS,  
 RURAL REGIONS &  
 RURAL CENTERS**

**STD.  
 PLAN  
 101C**