

**FIGURE 5-1G**

**SUMMARY OF VALUES OF ROADWAY PHYSICAL ELEMENTS FOR VARIOUS DESIGN SPEEDS**

<u>Design Speed - Speed Limit Will Be Less</u>	<u>Minimum Stopping Sight Distance</u>	<u>Minimum Passing Sight Distance</u>	<u>Minimum Width of Surface</u>	<u>Useable Shoulder</u>	<u>Suggested Radii</u>	<u>Normal Cross-Slope (Crown) Feet/Foot</u>	<u>Maximum Grade Percent Terrain Types</u>	<u>Clear Roadway Width for New and Reconstructed Bridges</u>	<u>Minimum Capacity for Existing Bridges</u>	<u>Minimum Bridge Width (Existing)</u>	<u>**Clear Horizontal Distance to Obstacle</u>	<u>*** Int. Sight Distance</u>
15	150'	----	16'	2'	100'	Low Type Surface .02 - .04	Level 8 Rolling 8 *Mountainous 10	Pavement Width +4'	H-15	20'	10'	200'
20	150'	----	16' or 22'	2'	100'	Low Type Surface .02 - .04	Level 8 Rolling 10 *Mountainous 10	Pavement Width +4'	H-15	20'	10'	200'
25 Interpolated	175'	----	16' or 22'	2' - 4'	175'		Level 7 Rolling 8 *Mountainous 9	Pavement Width +5'	H-15	22'	10'	250'
30	200'	1000'	16' or 22'	2' - 4'	250'	Intermediate Surface* .015 - .03	Level 6 Rolling 7 *Mountainous 8	Pavement Width +6'	H-15	22'	10'	300'
35 Interpolated	240'	1300'	22'	4' - 6'	380'		Level 5 Rolling 6 *Mountainous 8	Pavement Width +6'	H-15	24'	10'	350'
40	275'	1500'	24'	4' - 6'	510'	High Type Surface* 015 - 0.2	Level 4 Rolling 5 *Mountainous 7	Pavement Width +6'	H-15	24'	16'	400'
45 Interpolated	310'	1700'	24'	6' - 8'	670'		Level 4 Rolling 5 *Mountainous 7	Pavement Width +6'	H-15	30'	16'	450'
50	350'	1800'	24'	8'	830'	.01 - .02	Level 3 Rolling 4 *Mountainous 6	Pavement Width +6'	H-20	30'	18'	500'

SOURCE: American Association of State Highway and Transportation Officials -- A Policy on Geometric Design for Rural Highways; 1965, as modified by San Miguel County

NOTES: \* Grade shall be reduced to zero at apex of curve less than 150' or install guard rail 100' past apex.  
 \*\* Clear horizontal distance to obstruction.  
 \*\*\* Intersection sight distance.