

# TRANSPORTATION PLANNING

Policy / Standard: TP 4 / 98	Page 2 of 2	Date: February 2, 1998
------------------------------	-------------	------------------------

## PAVED SHOULDER CRITERIA AND DESIGN STANDARDS

### Resurfacing of Existing Highways with Paved Shoulders

<u>Bituminous Surface</u> Preserve existing paved shoulder subject to geometric standards	<u>Concrete</u> Preserve existing paved shoulder subject to geometric standards
--	--

### New Construction and Reconstruction

No. of Lanes	Functional Classification/ Existing AADT	Bituminous Surface	Concrete Surface
4-Lane Divided	Expressway Arterial Collector	outside: 0.8 m bituminous paved strip inside: fully paved bituminous	outside: 0.6 m concrete strip inside: fully paved bituminous
2-Lane	- National Highway System - Primary Arterials with AADT >3500	Full width paved	Two 4.3 m concrete lanes (3.7 m lane and 0.6 m concrete strip, plus bituminous shoulder)
	Primary Arterials with AADT > 500 Other 2-lane highways with AADT >1000	0.8 m paved strip	0.6 m concrete paved strip
	All others	gravel	gravel

**Consideration be given for full width paved / hard surfaced shoulders for roads having:**

- 1) Posted speed  $\leq$  50 km/h      2) Posted speed of 50-70 km/h and local conditions dictate. (Eg. pedestrians, cyclists).      3) Route continuity

### New Asphalt Treated Highway

AST Gravel-based Highway	Full width seal (for roads whose final surface is AST)
--------------------------	--