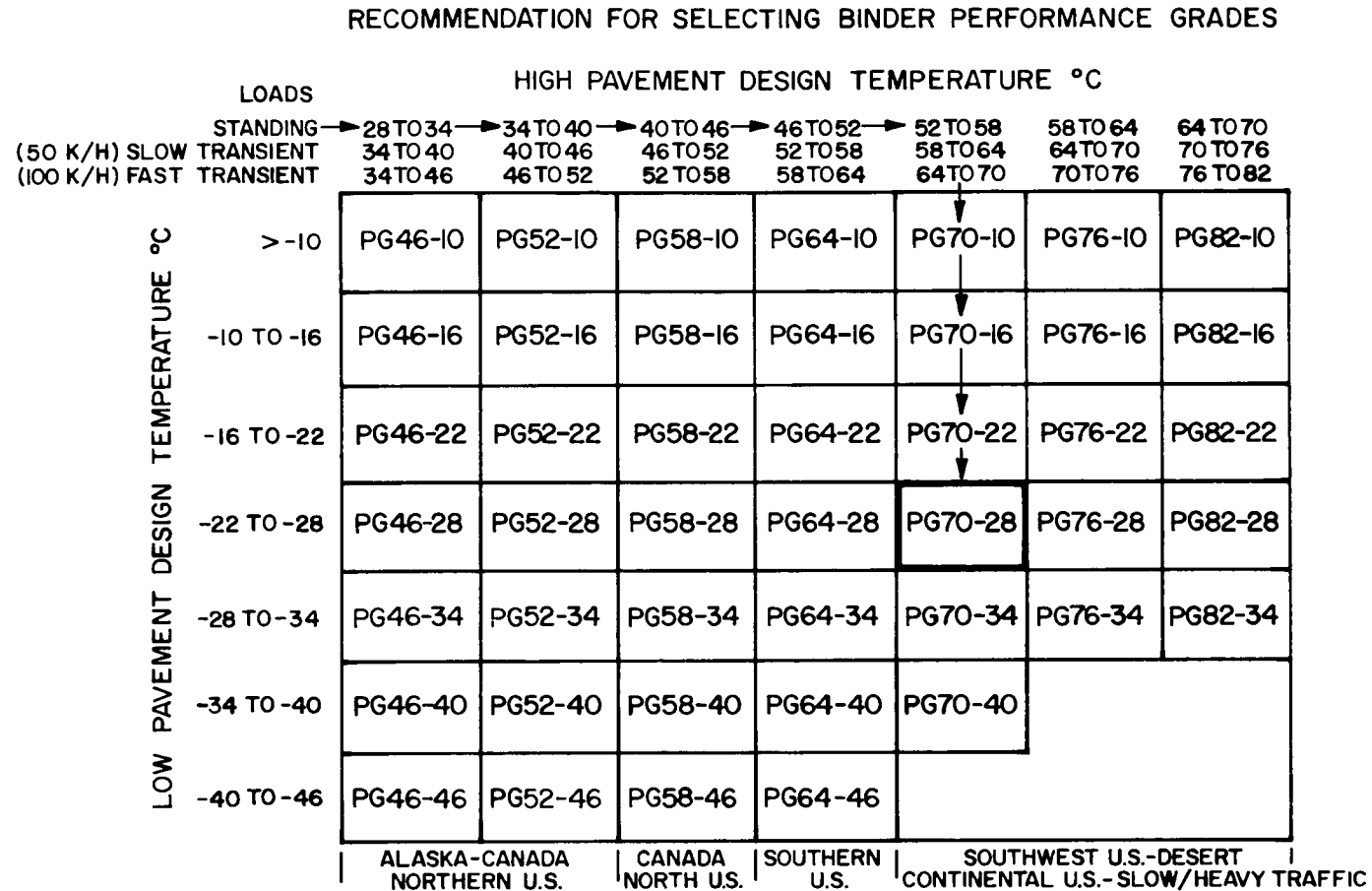


**Figure 2.8. Selection of Asphalt Binder Performance Grades on the Basis of Climate, Traffic Speed, and Traffic Volume**



1. SELECT THE TYPE OF LOADING
2. MOVE HORIZONTALLY TO THE HIGH PAVEMENT DESIGN TEMPERATURE.
3. MOVE DOWN THE LOW PAVEMENT DESIGN TEMPERATURE.
4. IDENTIFY THE BINDER GRADE.
5. ESALS > 10<sup>7</sup> CONSIDER INCREASE OF ONE HIGH TEMPERATURE GRADE.  
ESALS > 3 x 10<sup>7</sup> INCREASE ONE HIGH TEMPERATURE GRADE.

**EXAMPLE**  
 STANDING LOAD, HIGH DESIGN TEMPERATURE = 57°C  
 LOW DESIGN TEMPERATURE = -25°C  
 GRADE = PG70-28