Two Lane Highways

- Speed (both directions)
- PTSF (Convenience)
Base Conditions Of Two Lane Highways

- 12 ft minimum lane widths
- 6 ft minimum shoulder widths
- 0% no-parking zones
- Passenger Cars
- No Direct Access Points
- Level Terrain
- 50/50 Directional Split Of Traffic
**Speed:**

\[ FFS = SFM + 0.00776 \frac{V_f}{f_{HV}} \]

Mean Speed Of Traffic

45-65 mph

200 pc/hv <

\[ FFS = BFFS - f_{LS} - f_A \]

Table 6.15

Table 6.16

Equation 6.10

Measured Observed Flow Rate

Heavy Vehicle Factor.
Analysis Flow Rate:

\[ v_p = \frac{V}{PHF \times f_G \times f_{HV} \times (X)} \]

\[ \text{(7RB, 2000)} \]

PHF (similar to freeways)

(both the directions)

\[ f_a \]

\[ f_{HV} \]

\[ \text{ATS} = FFs - 0.00776 \cdot v_p - f_{np} \]

(6.12)
\[ \text{PTSF} \rightarrow \text{flow rate, adjustment for the combined effect of } \% \text{ of no-passing zones and the directional distribution of traffic} \]

\[ \text{PTSF} = \text{BPTSF} + \frac{f_d}{n_p} \]

\[ \text{BPTSF} = 100 \left(1 - e^{-0.008794p}\right) \]

\[ \text{LOS}B \]