Q. What are “Legs”?  

A. Highway segments are defined according to postmile designation, which is a location on the state highway system. Counts are taken ahead of or in back of a given location on the state highway system. These are called Legs. There are also legs assigned to onramps and offramps, and other count locations:  

\[ A = \text{ahead leg} \]
\[ B = \text{back leg} \]
\[ S = \text{cross street} \]
\[ N = \text{onramp} \]
\[ F = \text{offramp} \]
\[ O = \text{equal traffic volume for back and ahead legs} \]
\[ X = \text{interchange (with counts collected in the middle of the interchange).} \]

Q. Why are Postmile Prefix Codes used?  

A. New postmile values are assigned whenever a length of highway is changed due to construction or realignment. To differentiate the new values from the old, an alpha code is added to the postmile as a prefix:  

- C- Commercial Lanes  
- D- Duplicate postmile at meandering county line  
- G- Reposting of duplicate postmile at end of route  
- H- Overlap of D mileage  
- L- Overlap postmile  
- M- Realignment of R mileage  
- N- Realignment of M mileage  
- R- First realignment  
- S- Spur  
- T- Temporary connection  
- U- Unrelinquished  

Q. What types of Counts does the Traffic Data Unit collect or produce?  

A. The Census program measures traffic volumes, vehicle classification, and truck weights (weigh-in-motion). Volumes and vehicle classifications are collected on a 1) continuous, 2) short-term, and 3) quarterly basis.  

Counting equipment is designed to count:  
- Axles;  
- Vehicles;  
- Vehicles by class (classification counts); and  
- Vehicle weights, using weigh-in-motion (WIM) technology.
Types, Duration, and Frequency of Census Program Counts

1. FHWA: Continuous Monthly
2. Trend: Continuous Monthly
3. Control: Seven-day period on a quarterly rotation (every third month, for example, October-January-April-July) every three years
4. Profile: Sample, typically for a seven-day period every three years
5. Ramp: Seven-day period every three years
6. Classification: Seven-day period or continuous
7. Quarterly/Rotation: (for example, October-January-April-July) every six years
8. Cross-Street: Minimum 48 hours every 10 years

Types of Counters

BP  Bending Plate (WIM)
CC  Count Card
CM  Capacitance Mat
HO  Pneumatic Hose
LP  Inductive Loop
MG  Magnetic
MN  Manual
OT  Other
PZ  Piezo
TR  Transporter
VD  Video Detector
WP  Weighing Piezo (WIM)

Telemetry Codes

CE  Celluar
CV  Conventional Phone
NS  Not Specified
NT  Non-Telemetry

Lane Configuration Codes

0-Other Configuration
1-Through Lanes Only
2-Includes Frontage Road
3-Includes Passing Lane(s)
4-Includes Shoulder Lane(s)
5-Includes HOV Lane(s)
6-Includes Reversible Lane(s)
7-Includes Left Turn Lane
8-Includes Ramps

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### Figure C-1 – FHWA Vehicle Classification Scheme

<table>
<thead>
<tr>
<th>Class</th>
<th>Illustration</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image" alt="Motorcycle" /></td>
<td>Motorcycles</td>
</tr>
<tr>
<td>2</td>
<td><img src="image" alt="Passenger Car" /></td>
<td>Passenger Cars</td>
</tr>
<tr>
<td>3</td>
<td><img src="image" alt="Pickup/Van" /></td>
<td>Pickups/Vans</td>
</tr>
<tr>
<td>4</td>
<td><img src="image" alt="Bus" /></td>
<td>Buses</td>
</tr>
<tr>
<td>5</td>
<td><img src="image" alt="6-Tire Two-Axle Single Unit Truck" /></td>
<td>6 tire two-axle single unit trucks</td>
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<tr>
<td>6</td>
<td><img src="image" alt="Three-Axle Single Unit Truck" /></td>
<td>Three axle single unit trucks</td>
</tr>
<tr>
<td>7</td>
<td><img src="image" alt="Four or More Axle Single Unit Truck" /></td>
<td>Four or more axle single unit trucks</td>
</tr>
<tr>
<td>8</td>
<td><img src="image" alt="Four or Fewer Axle Truck and Trailer Combinations" /></td>
<td>Four or fewer axle truck and trailer combinations</td>
</tr>
<tr>
<td>9</td>
<td><img src="image" alt="Five Axle Truck and Trailer Combinations" /></td>
<td>Five axle truck and trailer combinations</td>
</tr>
<tr>
<td>10</td>
<td><img src="image" alt="Six or More Axle Truck and Trailer Combinations" /></td>
<td>Six or more axle truck and trailer combinations</td>
</tr>
<tr>
<td>11</td>
<td><img src="image" alt="Five or Fewer Axle Multis" /></td>
<td>Five or fewer axle multis</td>
</tr>
<tr>
<td>12</td>
<td><img src="image" alt="Six Axle Multis" /></td>
<td>Six axle multis</td>
</tr>
<tr>
<td>13</td>
<td><img src="image" alt="Seven or More Axle Multis" /></td>
<td>Seven or more axle multis</td>
</tr>
<tr>
<td>14</td>
<td><img src="image" alt="Five Axle Truck and Trailer Combinations" /></td>
<td>Five axle truck and trailer combinations</td>
</tr>
<tr>
<td>15</td>
<td><img src="image" alt="Errors/Unknown" /></td>
<td>Errors/Unknown</td>
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