Roadway Management System
Factor Table Application Flow Chart

I. MANUAL COUNT (LESS THAN 24 HOURS)

RAW COUNT DATA (8 HOURS)

AUTOMATIC DATA EDITS

TOTAL VEHICLES 24 HOURS

TOTAL VEHICLES 24 HR ADT

VARIANCE EDIT

TABLE # 355

TABLE # 355

TABLE # 385

VARIANCE EDIT

TABLE # 395

ESAL CONVERSION RIGID

ESAL CONVERSION FLEXIBLE

TOTAL TRUCKS 24 HOURS

TOTAL TRUCKS 24 HR ADTT

TABLE # 365

TABLE # 360

TOTAL VEHICLES 24 HR ADT

TABLE # 355

TABLE # 390

ESAL CONVERSION RIGID

ESAL CONVERSION FLEXIBLE

Note: DHV is computed from the raw count data.

II. AUTOMATIC VEHICLE CLASSIFICATION COUNT

RAW COUNT DATA (24 HOURS)

AUTOMATIC DATA EDITS

TOTAL VEHICLES 24 HR ADT

TABLE # 355

TABLE # 395

TOTAL TRUCKS 24 HR ADTT

TABLE # 365

TOTAL TRUCKS 24 HR ADTT

TABLE # 390

ESAL CONVERSION RIGID

ESAL CONVERSION FLEXIBLE

VARIANCE EDIT

TABLE # 360

AUTOMATIC DATA EDITS

TOTAL VEHICLES 24 HOURS

TOTAL VEHICLES 24 HR ADT

VARIANCE EDIT

TABLE # 355

TABLE # 395

ESAL CONVERSION RIGID

ESAL CONVERSION FLEXIBLE

Note: DHV is computed from the raw count data.

III. AXLE AND LOOP VOLUME COUNTS

RAW COUNT DATA (24 HOURS)

AUTOMATIC DATA EDITS

TOTAL VEHICLES 24 HOUR

ADJ. TOTAL VEHICLES 24 HOUR

VARIANCE EDIT

TABLE # 355

TABLE # 355

TOTAL TRUCKS 24 HR ADTT

TABLE # 355

VARIANCE EDIT

RMS DATABASE

*AXLE LOOP

*AXLE LOOP

* Total Vehicles are computed by counting axles (2 axles equals 1 Vehicle)