2008 K&D Factor Report ReadMe

This report is a listing of K and D Factors derived from ODOT’s Automatic Traffic Recorders (ATR). A definition for each column is provided below:

**General Section**
- **FC**: Functional Classification
- **Site**: ATR Number
- **CO**: County
- **RO**: Route
- **SUF**: Road Inventory Suffix
- **Log**: Road Inventory Log Point
- **Date**: Date on which 30th Highest Hour Occurred
- **Day of Week**: Day of Week on which 30th Highest Hour Occurred
- **AADT**: Annual Average Daily Traffic

**Daily Data Section**
- **Daily Vol**: Typically, the total daily traffic volume on the date the 30th highest hour of the year occurred.
- **% AADT**: Represents the percentage of the AADT that occurred on the day that the 30th highest hour of the year occurred. \[ \frac{\text{Daily Vol}}{\text{AADT}} \times 100 \]

**Design Hour Section**
- **Hour**: The hour of the day in which the 30th highest hour volume occurred.
- **Hr Vol**: The hourly traffic volume that occurred in the 30th highest hour.
- **% Daily Vol**: Represents the percentage of the daily volume that occurred in the 30th highest hour. \[ \frac{\text{30th Highest Hour Volume}}{\text{Daily Volume}} \times 100 \]
- **% AADT (K-Factor)**: Represents the percentage of the AADT that occurred in the 30th highest hour. \[ \frac{\text{30th Highest Hour Volume}}{\text{AADT}} \times 100 \]

**Peak Directional Data Section**
- **Dir**: The direction of travel in which the peak design hourly volume occurred.
- **Hr. Vol**: The hourly volume that occurred in the peak direction.
- **% Peak Hr. (The D-Factor)**: Represents the percentage of the design hourly volume that occurred in the peak direction of flow. \[ \frac{\text{Peak Direction Hourly Volume}}{\text{30th Highest Hourly Volume}} \times 100 \]
% Daily Vol  Represents the percentage of the daily volume that occurred in the peak direction of travel. 
\[
\text{Peak Direction Hourly Volume} \times 100 \\
\text{Daily Volume}
\]

% AADT  Represents the percentage of the AADT that occurred in the peak direction of travel. 
\[
\text{Peak Direction Hourly Volume} \times 100 \\
\text{AADT}
\]

Item 81 % Peak SU TRK  Percentage of Single Unit (SU) Trucks occurring in the peak hour
Item 82 % T for SU TRK  Percentage of Single Unit (SU) Trucks occurring in the day
SU refers to FHWA axle class 1 thru 3 or ODOT Length Class Bin 1

Item 83 % Peak MU TRK  Percentage of Multi Unit (MU) Trucks occurring in the peak hour
Item 84 % T for MU TRK  Percentage of Multi Unit (MU) Trucks occurring in the day
MU refers to FHWA axle class 4 thru 15 or ODOT Length Class Bins 2 and 3.

*** denotes a Directional site. Data available in one direction only. AADT used is one-half.