**Meteorology Data**

**Instruction**

***Update, Dec 04***

The new Met\_1\_1.csv file includes the distance to the nearest meteorology station for each link and the ID for the station.

The new file, also includes the X, Y coordinates for center, end, and start of each link. This way I believe you can map the links. If you have access to ArcGIS I can send you the shape file.

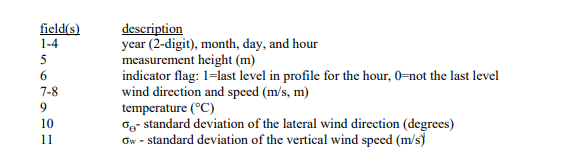
* Look at the end of the file for X,Y coordinates, NEAR\_FID, NEAR\_DIST, NEAR\_ANGLE.
* Use the Near\_FID with the station ID below to match the meteorology data.
* The rest of variables on the file, are not useful for now.
* The Receptor\_disatnce file, does have the pollution concertation for each receptor (CONC) along with the X and Y coordinates of the receptor. The NEAR\_DIST shows the distance to the nearest road link.

***Base***

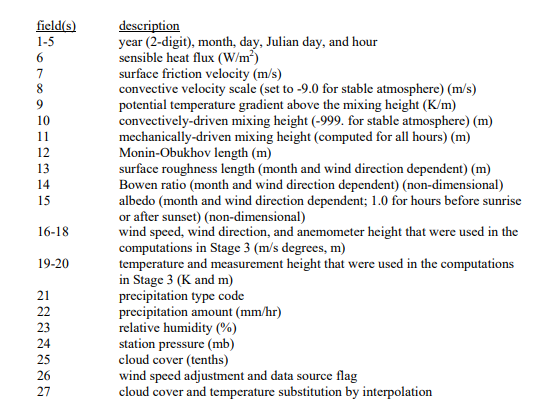
The meteorology data that is required for this research, can be obtained from meteorology stations. There exist 3 stations in the study area. So, I find the nearest stations to each road link. The data including daily values for over 5 years is included in two text file: the \*.pfl and \*.sfc file. The distance and angle to nearest Meteorology station for each link is calculated. Also, you can see the ID for the nearest station for each link, so you can match the data.

* 2 = NYC;
* 3= LAG;
* 4= JFK

**PFL Data**



**SFC Data**



**Distance between a receptor and road link**

For the distance between road and receptors, I attached the dbf file that shows the distance between each receptor (meter) and angle to the nearest road.

**Fleet Share on Each Link**

The file, fleet share.xlsx, contain % of each vehicle class including light-duty, medium truck, heavy truck, commercial trucks, and buses on the link for the 4 period of time. The time periods include: AM Morning (6am-10am), Mid-day (10am-4pm), PM (4pm-8pm), and ND (8pm –6am) time. Thus, the % are similar for the hours of each period.

**Elevation Files**

There are two excel files Link\_ele\_2 and Receptors\_ele\_1 in which you can find the elevation data in meter. For the links there are three elevation: mean, max, an min elevation that a link takes. Receptors only have one elevation, assuming they are points. Expect to see lots of zeros in receptors elevation, since many of them happen to be in the see.