Your assignment is to create a set of IDF curves for a rain gage station in Texas, and then to compare your results to the IDF curve equations suggested by TXDOT. You can find the NOAA rainfall data at http://www.ncdc.noaa.gov/oa/ncdc.html, and the TXDOT hydraulic manual at http://manuals.dot.state.tx.us/dynaweb/colbridg/hyd/. The rainfall data will include the county in which the station is found, so you should be able to link the two. Choose a station with at least 25 years worth of data, so you can make the 5, 10 and 25 year curves. You should hand in a plot or set of plots showing your curves and the TXDOT curves, a narrative explaining what you did, and some explanation of your comparison. Be sure to state what NOAA station you are using.