Part 2 Plan

For this task I had to fill out a table that would return the total amount of each material was needed categorized by the different mixes. The first thing I did was look at the data in mix designs to determine how I would extract the data. The data was divided by job and provided the mix codes, tons and the percent of each compound in the mix. After looking at the data, I determined the best way to extract the data was using a sum array function that would sum the values with the correct mix code and material name. The amount of each material per job would be calculated by multiplying the mix percent by the total tons of a job. To do this I created named ranges for each column in the mix designs table. In order to reference the correct named range with an indirect function, I created a helper column that would match the named ranges name. Once these helper columns were created I made the function =SUM((Mix\_Code=C$20)\*1\*INDIRECT($V21)\*Tons).

After this I summed the values for each row to determine the total material required. The only setback I faced was that some of the column labels in mixed designs were slightly different than the ones in the Mix Material Breakdown table. This required me to slightly change their names in the helper columns.