


General Instructions for ESB-21V1

Security Settings for Excel

In order for macros to function properly in Excel, the security settings need to be properly set.

To do this in **Excel 2007 / 2010** You need to click the Office button.  At the bottom of the dropdown box click Excel Options. In the next box that appears, click Trust Center. Then go to the right hand side of the box and select Trust Center Settings. Select ActiveX Settings and make sure the Prompt me before enabling all controls with minimal restrictions is selected. On the same sheet then select Macro Settings, make sure Enable all macros is selected and Trust Access to the VBA project object model box is checked.

In all **other versions of Excel**, from the tool bar select Tools → Macros → Security → and make sure the medium setting is selected.

All cells in all worksheets that are yellow require user input.

1. The **Aggregate** folder contains 3 files for, coarse aggregate, fine aggregate, and rap gradations.
2. The **Design JMF's Gyrotory** folder contains 2 files, Burnoff and volumetrics for the ignition oven method and Centrifuge and volumetrics for the centrifuge method.
 - a. Both files will hold 96 samples.
 - b. Sheet **S1** is for asphalt content and gradation, it will hold 6 samples. When this sheet is full activate the **next sheet** control at the top of the page to navigate to **S2**. On sheet S2 there will be a **next sheet** and **previous sheet** control which will allow you to navigate through all the burnoff sheets.
 - c. Sheet **QA** is for Quality Assurance and Producers QC companion test results. The results are plotted on charts at the bottom of the worksheet.
 - d. Sheet **C1-24** is charts that plot QC test results of asphalt and gradation for samples 1 through 24. The charts are set up with action points and tolerances base on the JMF data entered on **S1**. Navigation through the charts is the same as **S1**.
 - e. Sheet **G1** is for AASHTO T209 results. Select method of test, either suspension or volumeter. This sheet allows for the use of 2 different volumeters and 2 calibrations of each volumeter. Navigation through these sheets is the same as **S1**.
 - f. Sheet **V1** is for volumetric test results. Navigation through these sheets is the same as **S1**.
 - g. Sheet **C1-24** is charts that plot QC volumetric test results for samples 1 through 24. The charts are set up with action points and tolerances base on the JMF data entered on **V1**. Navigation through the charts is the same as **S1**.
 - h. The **Stats** sheet is the statistical results of the samples
 - i. The **Data Table** contains the data of all samples.

- j. **If any time during production there is a need to change the asphalt correction factor, -200 correction factor, or the aggregate Gsb, a new TR 448A would need to be completed and sent to the DME for approval and a new worksheet started.**
- 3. The ***Project Summary*** folder contains a worksheet for Project summaries. A new sheet would need filled out for each project.