When you have a contract with pay item, 402 5205, "(PL) Armor Coat" (sometimes referred to as; "Bituminous Surface Treatments", "Armor Coat" or "Chip Seal"), changes to the Contract Sampling and Testing Requirements may be required to properly document testing and acceptance of the material. The default S&T Requirements are based on an assumption of using a specific application rate of a certain aggregate gradation, along with a specific Bituminous Binder. The assumed materials and application rates used to compute default conversion factors are defined in the special instructions window of Contract Sampling and Testing Requirements. If your project is using a different gradation, application rate, or binder; changes to the Contract S&T requirements must be made after generating materials.

The following screen shots provide step by step instructions on revising contract S&T requirements. Materials have been generated. The example is based on revising requirements because Lightweight Cover Aggregates (LWCA) will be used.

2. Choose your Line Item:

![Select Contract/Material Information](image)

3. You will note that two materials have been set up for this pay item. Notice the gradation is for 3C cover aggregate. Notice that the binder is a PG 76-28TR OK. If your project is using different materials, you will need to change the materials and probably the conversion factor for the binder and aggregate.

![Select Contract/Material Information](image)
4. First we need to change the asphalt binder to the actual material being used on the project. Start by selecting the binder material. Note the conversion factor and special instructions displayed in the Materials Tab Window.

**Contract Sample and Testing Requirements**

- **Desc. 1:** Armor Coat
- **Desc. 2:**
- **Supp Desc1:**
- **Supp Desc2:**

<table>
<thead>
<tr>
<th>Contract</th>
<th>Project</th>
<th>Bid Item Code</th>
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<tbody>
<tr>
<td>060176</td>
<td>2333904</td>
<td>402 5205</td>
<td>SY</td>
</tr>
</tbody>
</table>

- **Material Code:** acem007
- **Material Unit:** GALLON
- **Material Quantity:** 72,640.000
- **Conversion Factor:** 90000
- **Approved Source Required:**

**Special Instruction:** Assumed application rate of 0.6 Gal per SY of PG 76-28TR. If different, change the conv factor and/or material code in Contract S&T.
5. Let's take a look at the Sampling and Testing Tab Window and see what the S&T requirements are, especially the test method (test template) and the frequency of testing. Later we will need to refer to many of the settings in this window when we set up our new material.
6. For our example of LWCA, the plans call for PMCRS-2S. To change the material code, we have to go back to the material tab and use the Services > Copy Records Menu. Select the material code for PMCRS-2S:
7. Because we are copying the S&T requirements from a PG binder material to an Emulsion material, the system will warn us that the S&T info will be deleted on our new material. That is because the template used on PG binders (C91003) cannot be used to document an emulsion test. Click OK:

![Image of AASHTO SiteManager with error message]

8. Change the conversion factor for your new material if the application rate is different than the default value of 0.8.
9. If you navigate to the Sampling and Testing tab, you will see that everything is blank as indicated in the warning we had received. No big deal, we just need to fill in the S&T requirements just like what was defined for the original binder material, except, we need to choose the proper test method for emulsions. In the following screen shot, P/S is left blank, chose the proper sample type and acceptance method, then use the search lens on test method. Click in the test method column to sort and can see that the proper template to choose is C91006:

10. Fill in the remaining fields, Sample location, Rate, Frequency, Sample Units, Sample Responsibility, Test responsibility. Use the same values as was on the original binder material. When you are finished the Sampling and Testing Window for your new emulsion binder should look like the screen shot in step 5, except for the material code and test method. SAVE.
11. Navigate back to the Materials Tab. Click on the Open icon. You will now see three materials on your pay item. Choose the original binder material that is not going to be used on the project. Click OK to open. Delete.

![Select Contract/Material Information](image)

12. Repeat steps 3 - 11 for your aggregate material. You will be able to omit steps 7, 9, 10 because the same test method is used for both aggregate materials.

13. The S&T requirements have been successfully changed. The changes to the contract S&T requirements will take effect and can be seen on the sampling checklist, once the Sampling Checklist Process has been ran.

Note on Last Modified Date:
This QRG is the 08/17/06 version. The Last modified date reflects a change to the design of the SSS database system.