Note: This worksheet is applicable only for mixtures containing reclaimed material (RAP)

\[
G_{sb} = \frac{A_p}{P_1 + \frac{P_2}{G_2} + \ldots + \frac{P_n}{G_n} + \frac{P_{rap}}{G_{serap}}}
\]

\(G_{sb}\) = bulk specific gravity for the total aggregate
\(A_p\) = total aggregate = 100 percent
\(P_1, P_2, P_n, P_{rap}\) = percentage of total aggregate
\(G_1, G_2, G_n\) = bulk specific gravities of aggregates
\(G_{serap}\) = effective specific gravity of the recycled aggregate

Note: When using mineral filler use the apparent specific gravity

<table>
<thead>
<tr>
<th>Component Aggregate Type</th>
<th>Percent of Total Aggregate</th>
<th>Bulk Specific Gravity</th>
<th>Percent RAP</th>
<th>(G_{serap})</th>
<th>(G_{sb}) = 100 / [P_1/G_1 + P_2/G_2 + \ldots + P_n/G_n + P_{rap}/G_{serap}]</th>
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</thead>
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</tbody>
</table>

* Report this value when calculating VMA (Attachment #6)

Note: Report the following values to the nearest thousandth (0.001):
\(G_{sb}\), \(G_{serap}\) and bulk specific gravity