

## 2010 AASHTO SOM Materials Recycling Survey

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### **RAP**

1. Do you allow the use of RAP?
2. What is the maximum percentage allowed by your state in HMA/WMA
3. What is the average percentage normally used by the contractors/producers?
4. Do you have special requirements or limitations (such as fractionating, isolating stockpiles, special testing requirements, etc) when higher percentages (>25%) are used?
5. Are you utilizing WMA technologies in conjunction with increased usage of RAP?
6. Does the contractor retain ownership of the RAP after being milled?
7. What are the major concerns or obstacles cited when limiting or precluding the use of RAP in HMA/WMA specifically in surface mixes?
8. Have you experimented with, or do you routinely use “high percentage” RAP mixes (defined as >25% RAP)? If so, please provide any available information about your experiences including how long high percentage RAP mixes have been used in your state.
9. Please provide a link to your current specifications, if applicable
10. Please identify research needs or guidance that would assist you in increasing the amount of RAP used in your state.

### **RAS**

1. Do you allow the use of RAS?
2. If you allow RAS, do you allow pre-consumer or post-consumer shingles, or both?
3. How does the plant obtain the shingles – contractor processing or third-party processing?
4. What is the maximum allowable percentage of RAS allowed by your state in HMA/WMA?
5. What is the average percentage actually used by the contractors/producers?
6. Do you have special requirements or limitations (special testing requirements, mixing RAS with aggregate to avoid clumping, RAS gradations, etc) when using RAS?
7. Have you placed HMA/WMA with RAS (even on an experimental basis)? If so, please provide any available information about your experiences, including how long mixes have been used in your state.
8. What are the major concerns or obstacles cited when limiting or precluding the use of RAS in HMA/WMA specifically in surface mixes?
9. Please provide a link to your current specifications, if applicable
10. Please identify research needs or guidance that would assist you in increasing the amount of RAS used in your state.

### **RCA**

1. Do you allow the use of RCA?
2. If you use RCA, what do you use it for (aggregate base, aggregate in new PCC, other)?
3. What is the maximum percentage of RCA allowed by your state in new PCC?
4. What is the percentage actually used by the contractors/producers?
5. Do you have special requirements or limitations (special testing requirements, RCA gradations, etc) when using RCA?
6. What are the major concerns or obstacles cited when limiting or precluding the use of RCA?
7. Please provide a link to your current specifications, if applicable
8. Please identify research needs or guidance that would assist you in increasing the amount of RCA used in your state.