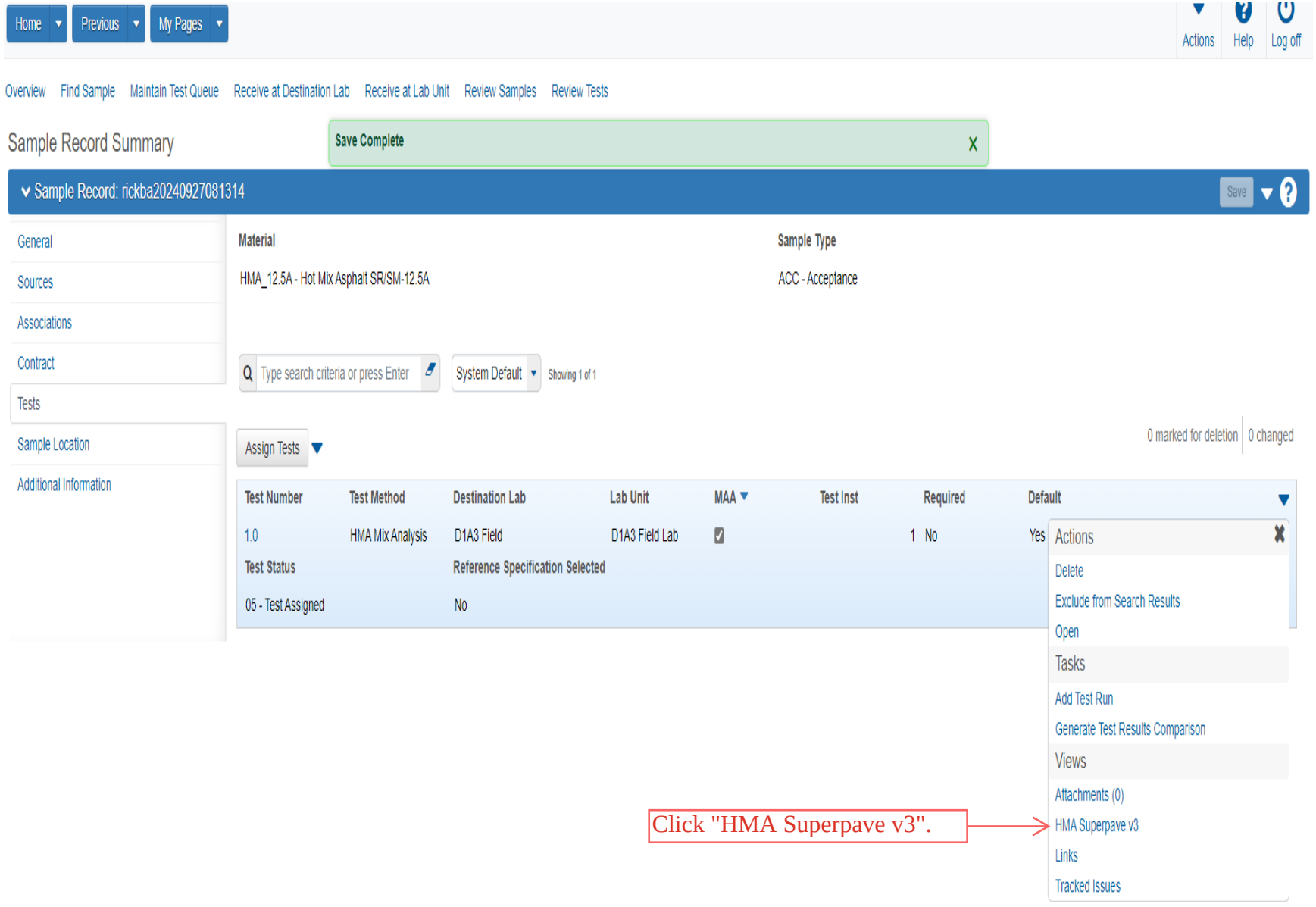
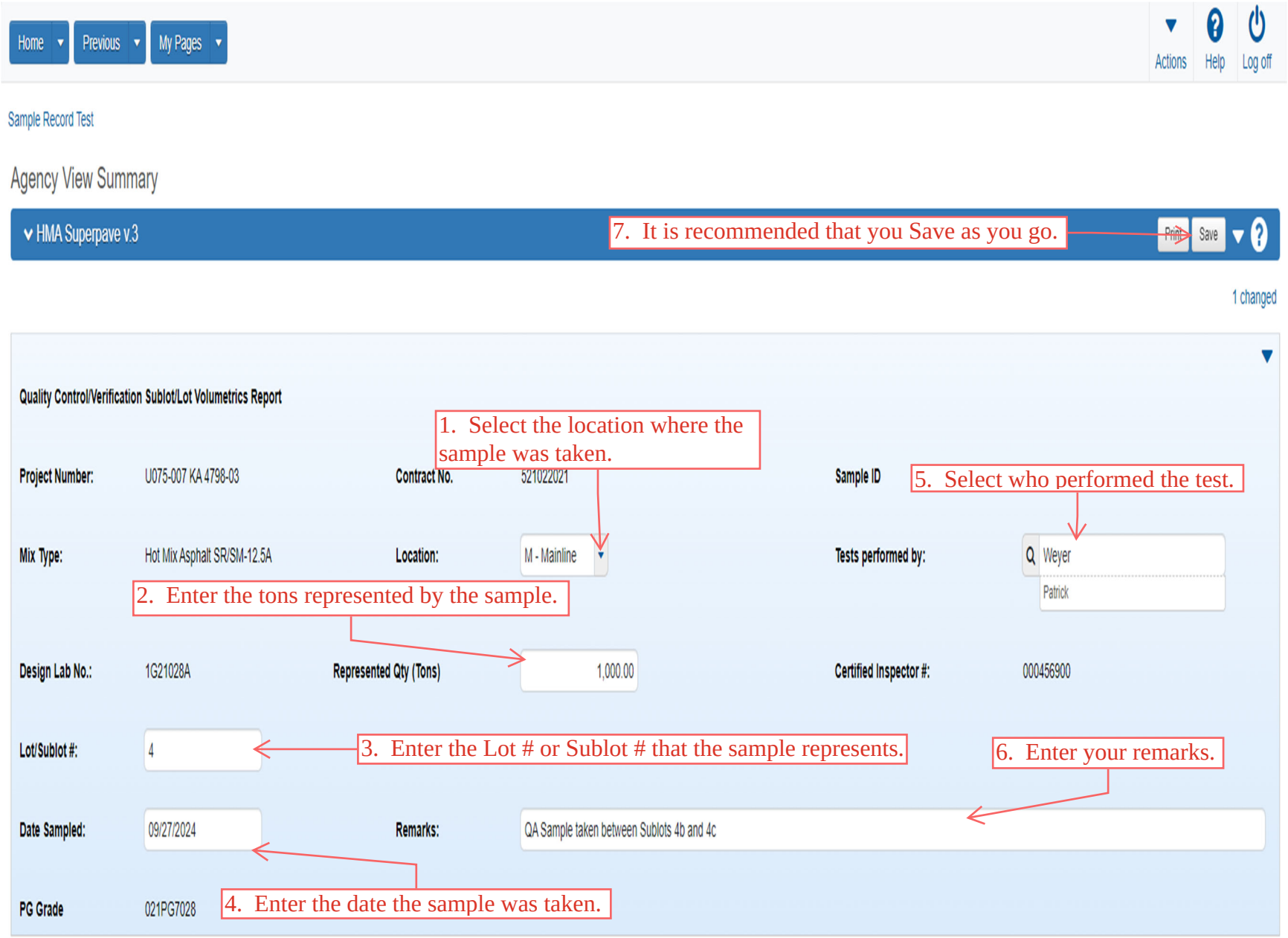
# HMA SUPERPAVE AV
# USER GUIDE AGENCY

The following pages are for use after page 21 of the Sample Record Creation (Generic) User Guide and before page 22.

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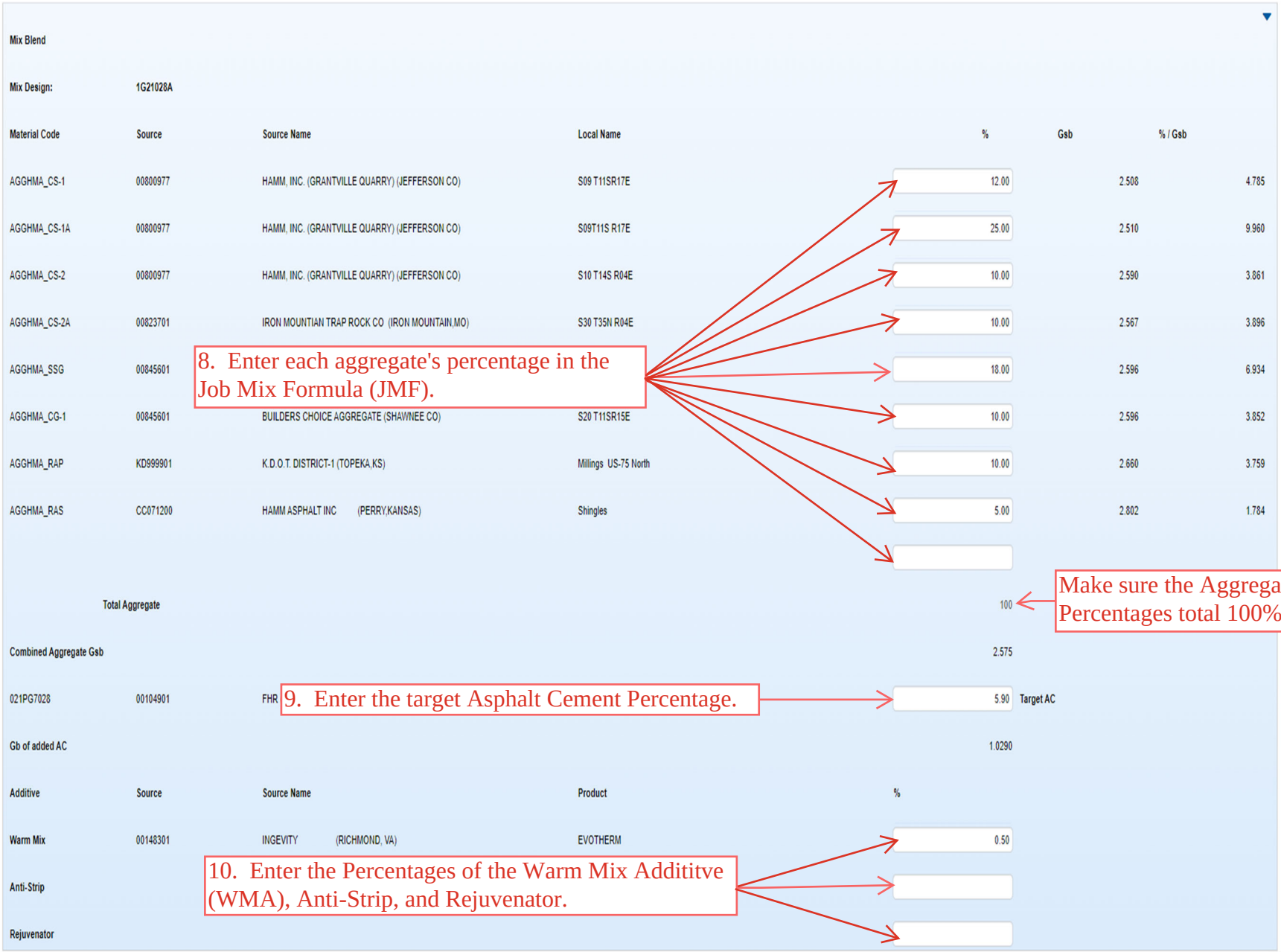
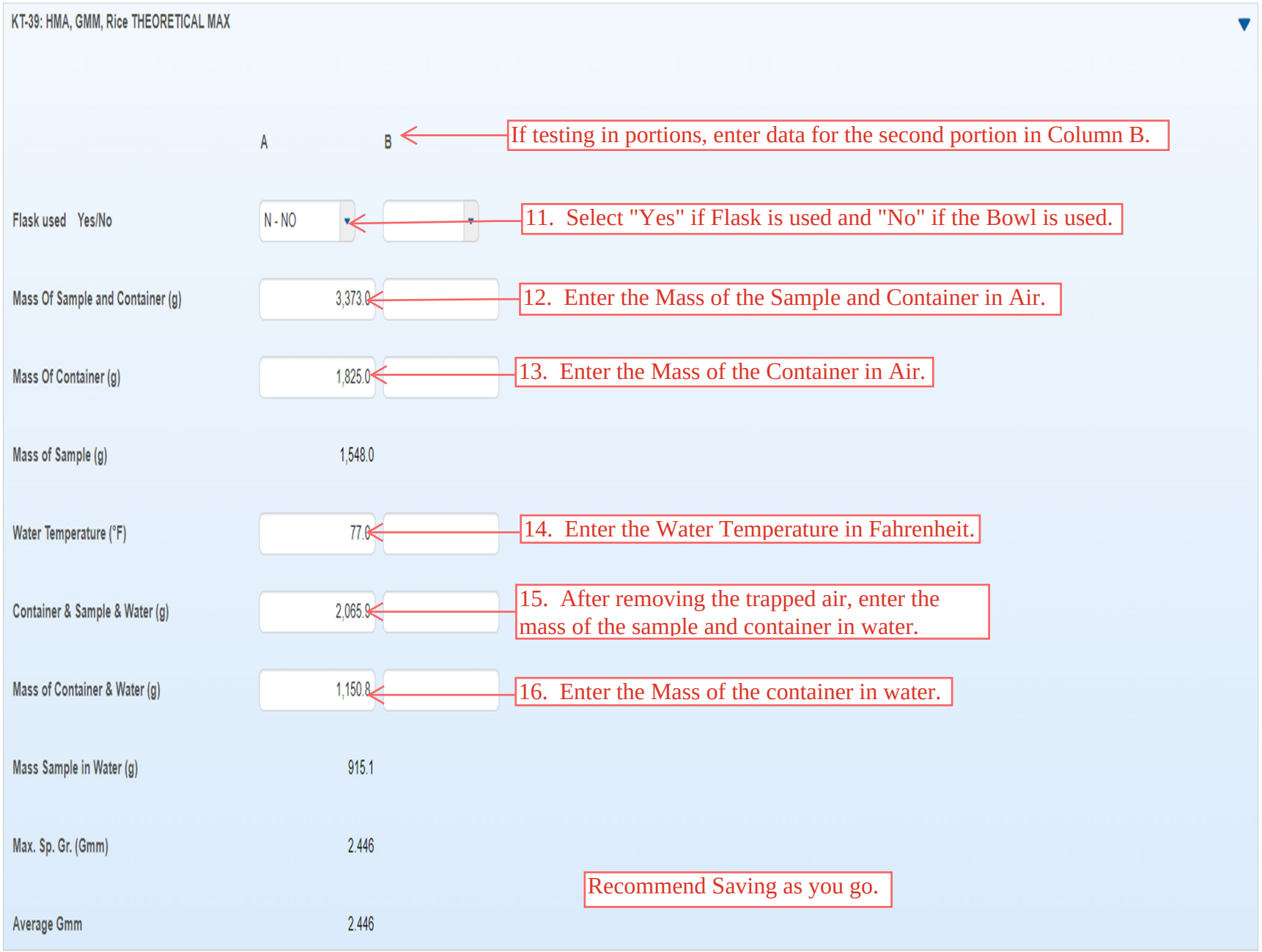
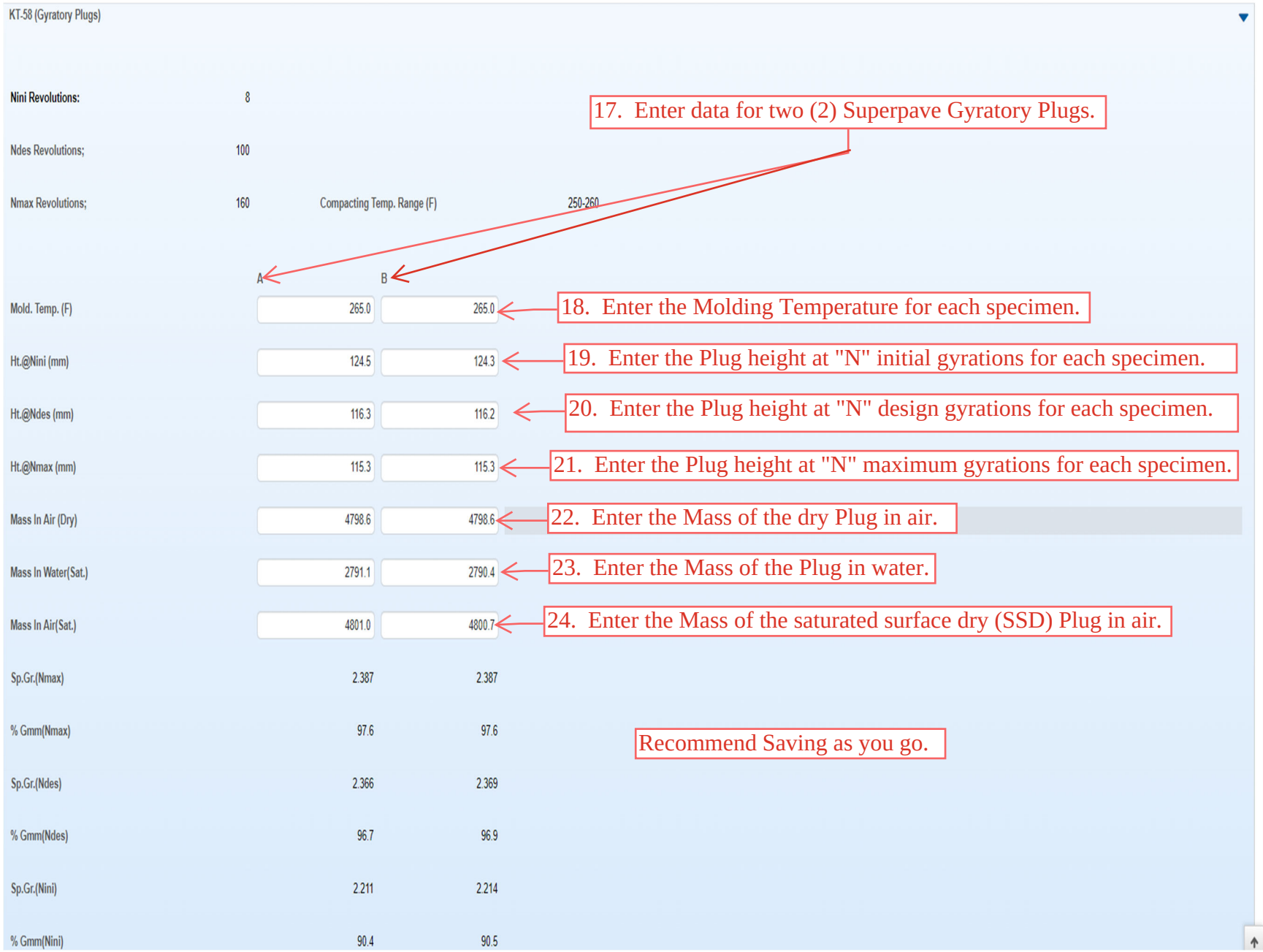
HMA Superpave v.3
7. It is recommended that you Save as you go.
Print
Save
1 changed
Quality Control/Verification Sublot/Lot Volumetrics Report
1. Select the location where the sample was taken.
Project Number: U075-007 KA 4798-03
Contract No. 521022021
Sample ID
5. Select who performed the test.
Mix Type: Hot Mix Asphalt SR/SM-12.5A
Location: M - Mainline
Tests performed by: Weyer
Patrick
2. Enter the tons represented by the sample.
Design Lab No.: 1G21028A
Represented Qty (Tons) 1,000.00
Certified Inspector #: 000456900
Lot/Sublot #: 4
3. Enter the Lot # or Sublot # that the sample represents.
6. Enter your remarks.
Date Sampled: 09/27/2024
Remarks: QA Sample taken between Sublots 4b and 4c
PG Grade 021PG7028
4. Enter the date the sample was taken.

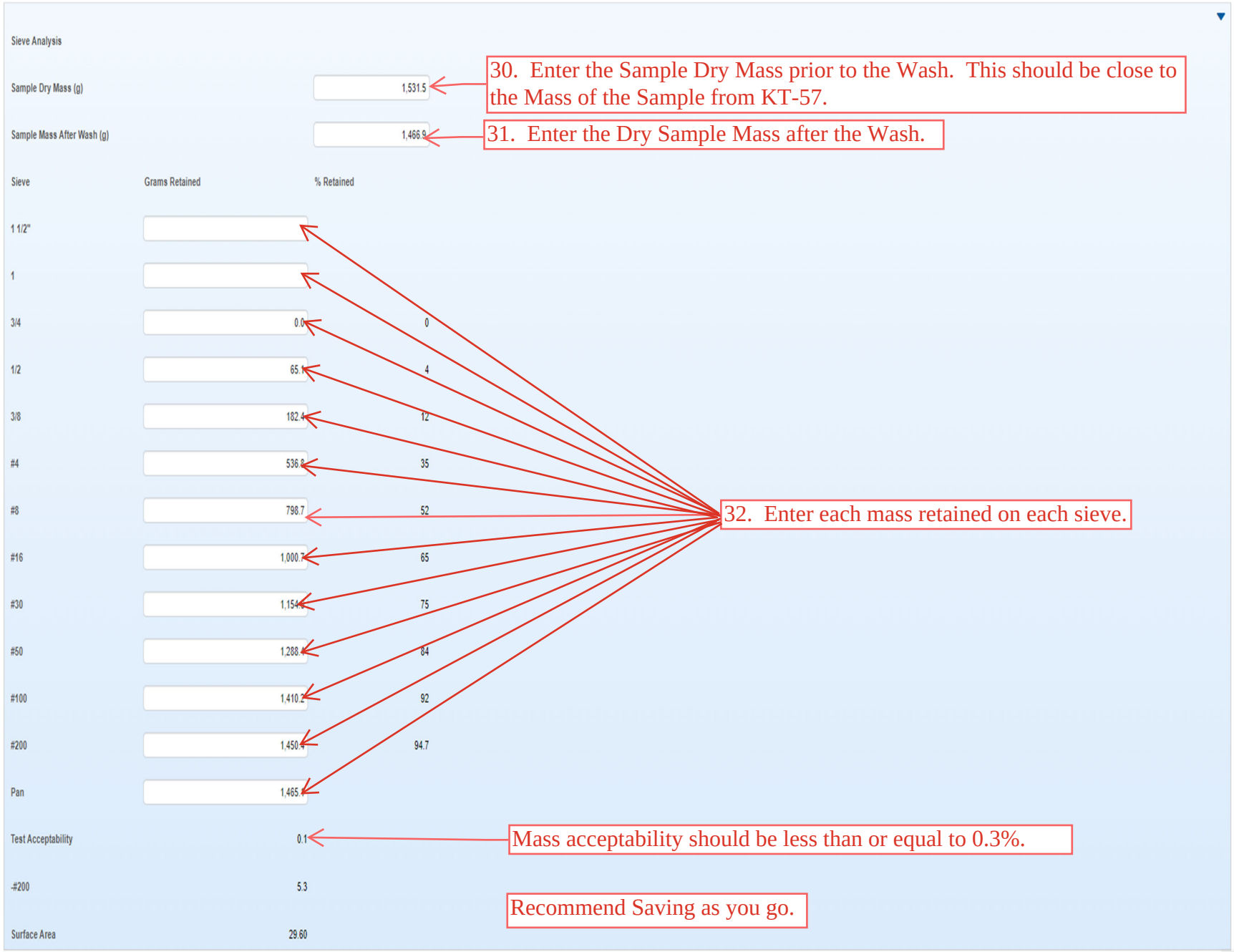


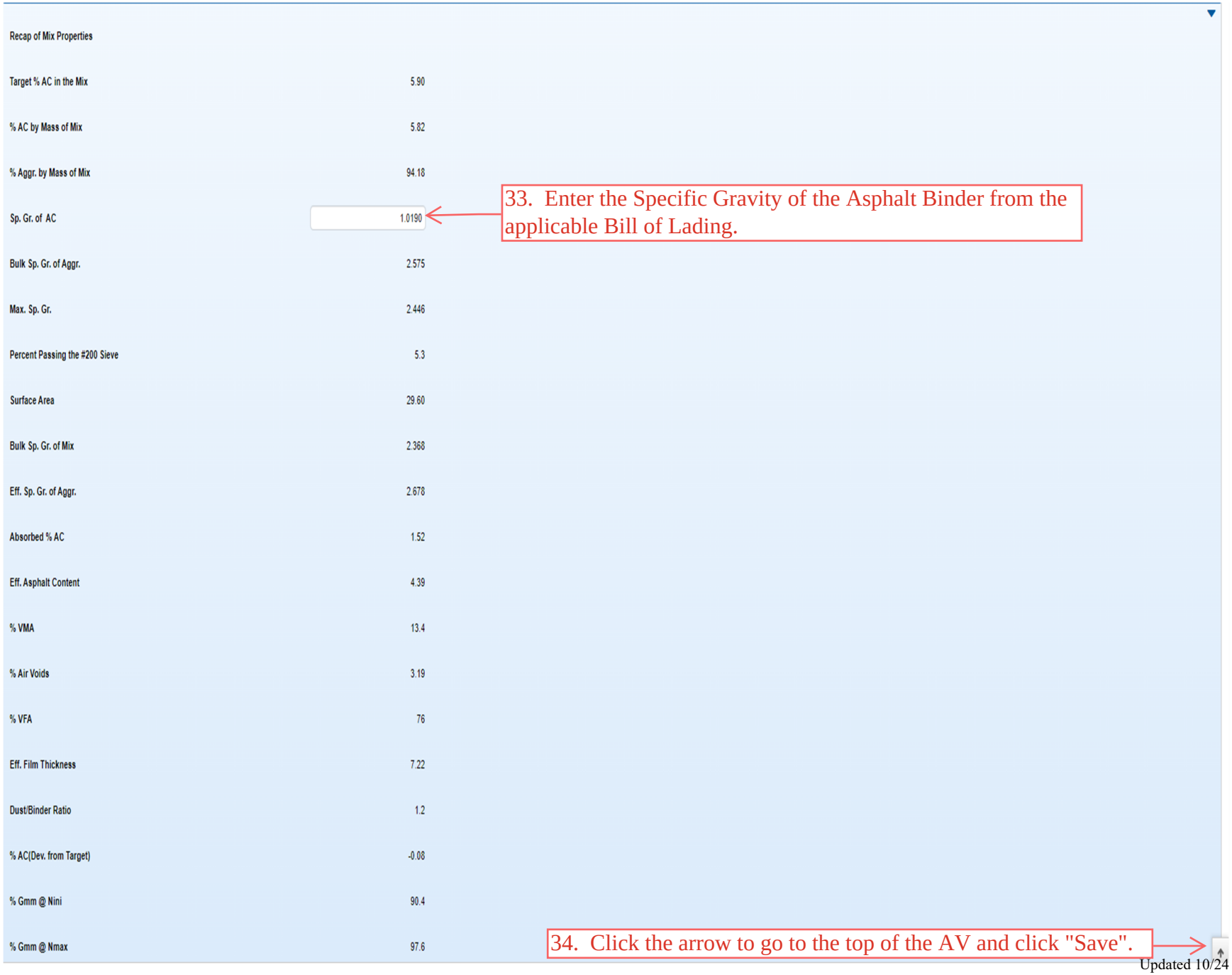

Recommend Saving as you go.

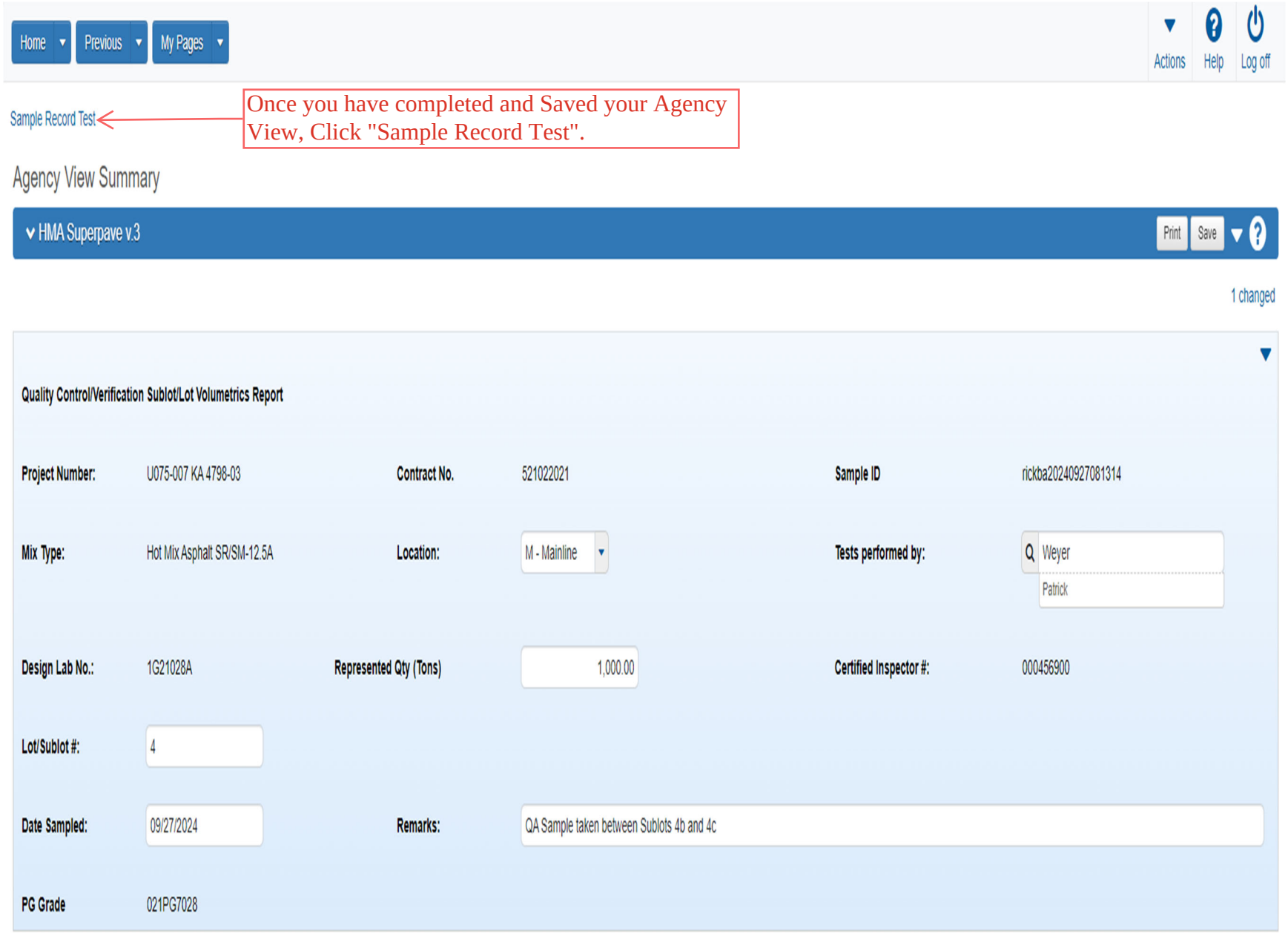

KT-39: HMA, GMM, Rice THEORETICAL MAX
A
B
If testing in portions, enter data for the second portion in Column B.
Flask used Yes/No
N - NO
11. Select "Yes" if Flask is used and "No" if the Bowl is used.
Mass Of Sample and Container (g)
3,373.0
12. Enter the Mass of the Sample and Container in Air.
Mass Of Container (g)
1,825.0
13. Enter the Mass of the Container in Air.
Mass of Sample (g)
1,548.0
Water Temperature (°F)
77.0
14. Enter the Water Temperature in Fahrenheit.
Container & Sample & Water (g)
2,065.9
15. After removing the trapped air, enter the mass of the sample and container in water.
Mass of Container & Water (g)
1,150.8
16. Enter the Mass of the container in water.
Mass Sample in Water (g)
915.1
Max. Sp. Gr. (Gmm)
2.446
Recommend Saving as you go.
Average Gmm
2.446


KT-58 (Gyratory Plugs)
Nini Revolutions: 8
Ndes Revolutions; 100
Nmax Revolutions; 160
Compacting Temp. Range (F) 250-260
A
B
Mold. Temp. (F) 265.0 265.0
Ht.@Nini (mm) 124.5 124.3
Ht.@Ndes (mm) 116.3 116.2
Ht.@Nmax (mm) 115.3 115.3
Mass In Air (Dry) 4798.6 4798.6
Mass In Water(Sat.) 2791.1 2790.4
Mass In Air(Sat.) 4801.0 4800.7
Sp.Gr.(Nmax) 2.387 2.387
% Gmm(Nmax) 97.6 97.6
Sp.Gr.(Ndes) 2.366 2.369
% Gmm(Ndes) 96.7 96.9
Sp.Gr.(Nini) 2.211 2.214
% Gmm(Nini) 90.4 90.5
17. Enter data for two (2) Superpave Gyratory Plugs.
18. Enter the Molding Temperature for each specimen.
19. Enter the Plug height at "N" initial gyrations for each specimen.
20. Enter the Plug height at "N" design gyrations for each specimen.
21. Enter the Plug height at "N" maximum gyrations for each specimen.
22. Enter the Mass of the dry Plug in air.
23. Enter the Mass of the Plug in water.
24. Enter the Mass of the saturated surface dry (SSD) Plug in air.
Recommend Saving as you go.


KT-57 (Ignition Oven Burn-off)
Wet Sample Mass (g)
1,549.40
25. Enter the Mass of the Sample before drying.
Mass of Moisture in Mix (g)
1.80
This is the difference between the Wet Sample Mass and the Mass of the Sample.
Percent Moisture in Mix (%)
0.12
This is the Percentage of Moisture in the Mix based on the Mass of the Moisture in the Mix (must be less than or equal to 0.5%)
Sample & Basket Mass (g)
4,613.8
26. Enter the Mass of the basket and sample after drying.
Basket Mass (g)
3,066.2
27. Enter the Mass of the basket.
Mass of Sample (g)
1,547.6
Aggregate & Basket Mass (g)
4,523.7
28. Enter the Mass of the aggregate and basket after the asphalt is burned off in the ignition oven.
Mass Loss (g)
90.1
Correction Factor (%)
0.00
29. Enter the Burn-Off Correction Factor that was determined in the design stage.
%AC (Corrected)
5.82
This is the Percent Asphalt Binder in the Sample.
Recommend Saving as you go.


Sieve Analysis
Sample Dry Mass (g)
1,531.5
30. Enter the Sample Dry Mass prior to the Wash. This should be close to the Mass of the Sample from KT-57.
Sample Mass After Wash (g)
1,466.9
31. Enter the Dry Sample Mass after the Wash.
Sieve
Grams Retained
% Retained
1 1/2"
1
3/4
0.0
0
1/2
65.1
4
3/8
182.4
12
#4
536.8
35
#8
798.7
52
#16
1,000.7
65
#30
1,154.4
75
#50
1,288.4
84
#100
1,410.2
92
#200
1,450.4
94.7
Pan
1,465.4
32. Enter each mass retained on each sieve.
Test Acceptability
0.1
Mass acceptability should be less than or equal to 0.3%.
-#200
5.3
Recommend Saving as you go.
Surface Area
29.60


Recap of Mix Properties
Target % AC in the Mix 5.90
% AC by Mass of Mix 5.82
% Aggr. by Mass of Mix 94.18
Sp. Gr. of AC 1.0190
Bulk Sp. Gr. of Aggr. 2.575
Max. Sp. Gr. 2.446
Percent Passing the #200 Sieve 5.3
Surface Area 29.60
Bulk Sp. Gr. of Mix 2.368
Eff. Sp. Gr. of Aggr. 2.678
Absorbed % AC 1.52
Eff. Asphalt Content 4.39
% VMA 13.4
% Air Voids 3.19
% VFA 76
Eff. Film Thickness 7.22
Dust/Binder Ratio 1.2
% AC(Dev. from Target) -0.08
% Gmm @ Nini 90.4
% Gmm @ Nmax 97.6
33. Enter the Specific Gravity of the Asphalt Binder from the applicable Bill of Lading.
34. Click the arrow to go to the top of the AV and click "Save".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Sample Record Test
Once you have completed and Saved your Agency View, Click "Sample Record Test".
Agency View Summary
HMA Superpave v.3
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1 changed
Quality Control/Verification Sublot/Lot Volumetrics Report
Project Number:
U075-007 KA 4798-03
Contract No.
521022021
Sample ID
rickba20240927081314
Mix Type:
Hot Mix Asphalt SR/SM-12.5A
Location:
M - Mainline
Tests performed by:
Weyer
Patrick
Design Lab No.:
1G21028A
Represented Qty (Tons)
1,000.00
Certified Inspector #:
000456900
Lot/Sublot #:
4
Date Sampled:
09/27/2024
Remarks:
QA Sample taken between Sublots 4b and 4c
PG Grade
021PG7028