



MONTANA DEPARTMENT OF TRANSPORTATION AASHTOWare Project CONSTRUCTION and MATERIALS



BINDER SAMPLING

Performance Graded Asphalt Binder (A/C, oil, etc.) Sampling

The most important thing to remember with these or any sample is the actual physical specimen (sack, bag, jar, can, roll, cylinder, bar, etc.), must be labeled with the Sample Record ID number that contains the sample information. Use a tag, sticky label, or just write on the sample container. Each sample or specimen must be able to be tracked back to the sample record in case it gets separated from the corresponding paperwork.

Create a DWR Acceptance Record for each pair of cans to record witnessing the sampling of the PGAB and create a Sample Record for each lot (typically 150 tons) of PGAB for testing. The Sample Record can represent from 3 up to 7 pairs of cans (25 tons/sample) in cases of short or long lots at the end of a project but the standard lot size is 6 pairs.

FIELD - DWR Acceptance Record

Navigation: Daily Work Report > Work Items Tab

1. Add the work item and create an item posting

Item Posting Num	Contractor	Station/Location	Placed Qty
1	2097 - SCHELLINGER CONSTRUCTION CO., INC.	Sta 10+00 + to Sta 124+27.1 + Stevensville South	115.925

Contractor SCHELLINGER CONSTRUCTION CO., INC. (Prime)	Attention 0
Placed Quantity 115.925	Units TON
Station From 10+00	Agency Views None
Offset Type From	Automobilization Posting
Offset Distance From	Location/Description Stevensville South
Station To 124+27.1	Plan Quantity <input type="checkbox"/>
Offset Type	Material Set PGAB 64-28

2. Click Save
3. Click on the Acceptance Records Tab
4. Expand the PGAB material row
5. Select the Source (Material manufacturer)
6. From the Field Inspection Value field, select BIND – Binder Sample Witnessed
7. From the Witnessed field, select the Witnessed Date
8. In the Comments field, enter the Lot# and Can#'s witnessed



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Material	Represented Qty	Source	Product Name/Seal#/Batch/Lot		
702.01.01.03 - Performance Graded Asp	17.00000	CENEXHS - Cenex Harvest States			
Material Units	Conversion Factor	Reported Matl Qty	Cont Est Matl Qty	Sat Rep Matl Qty	
TON	1.00000	227.08800	265.10000	777.00000	

Source ▼ Q CENEXHS Cenex Harvest States	Field Inspection Value ▼ BIND - Binder Sample Witnessed
Product Name/Seal#/Batch/Lot ▼ Q Begin typing to search or press Enter	Witnessed ▼ 08/18/2019
Represented Quantity ▼ 17.00000	Sample Type (*Only when creating Sample) ▼
Comments ▼ L1_1,1A	Acceptance Method (*Only when creating Sample) ▼
	Sample ID

9. Click Save
10. For each additional pair of cans witnessed that day, you can copy the DWR Acceptance Record. Click on the Acceptance Record Row Action menu and select Copy
11. Update the Comments for the appropriate Can#
12. Click Save
13. Repeat steps 10-12 for each pair
14. When a lot has been sampled, create the sample record from that DWR Acceptance Record.
15. In the Sample Type field select PROJ – Project Acceptance
16. In the Acceptance Method field select TEST – Test Results
17. Click Save
18. Click on the Acceptance Record Row Action menu and select Create New Sample Record
19. Enter your crew# in the Administrative Office search field and select the crew.
20. Click Save
21. A sample record will be automatically created with the Sample Date, Sample Type, Acceptance Method, Source and Contract Item associated
22. Enter the Witnessed By
23. Select the District/Area
24. In the Specimen(s) Number field enter the Lot# and Can#'s in this format: L1_1-6A, L2_7-12A.
25. In the Control Type field select LOT – Lot Number
26. In the Control Number field enter the Lot#



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Sample ID

20190718125407

Id

740

Material Code - Name

Q 702.01.01.03
Performance Graded Asphalt Binder 64-28

QPL Required

No

Lab Control Number

Q CN20190718125407

Witnessed By ID - Name

Q DeaustinC
DeAustin Chad

Specimen(s) Number

L1_1-6A

Intended Use

LOST TRAIL PASS - NORTH
PGAB 64-28

District/Area

MIS - Missoula

Lab Reference Number

39442

Control Type

LOT - Lot Number

Control Number

1

Remarks

0

Sample Date

07/18/2019

Created Date

07/18/2019 12:54:07 PM

Sample Status

Pending Authorization

Sample Type

PROJ - Project Acceptance

Acceptance Method

TEST - Test Results

Source ID - Source Name

CENEXHS - Cenex Harvest States

Source City

Authorized By

Authorized Date

Revising Sample ID

Revised By

Link To

Q Begin typing to search or press Enter

Link From

27. Click Save
28. Click on the Destination Lab(s) Tab
29. Click New
30. In the Lab Name field enter the District/Area lab and select
31. In the Shipped Date/Time field select the date the sample is being dropped off at the District Lab
32. Click Save
33. Click on the Tests Tab
34. Click on the arrow next to Assign Tests and select Assign Default Tests. A District Received test will be automatically added so the District/Area Lab can now receive the sample

The reason we ask the Field to complete a DWR Acceptance Record for each pair is not only to ensure the correct number of samples are taken but to make sure what was delivered to the project is in accordance with contract specifications.



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DISTRICT – Receive Sample and Route to Helena

Navigation: Materials Worksheets > Receive Sample At Destination Lab

1. In the Select Destination Lab to Receive At select the District/Area Lab
2. Check the box to the left of the appropriate sample record row
3. Click Mark As Received
4. Click on the Sample Records quick link
5. Enter the last 4-digits of the sample record to filter the list
6. Click on the Sample ID link
7. Click on the Destination Lab(s) Tab
8. Click New
9. In the Lab Name field enter Helena and select
10. In the Shipped Date/Time field select the date the sample is being shipped to Helena
11. Click Save
12. Click on the Tests Tab
13. Click on the arrow next to Assign Tests and select Assign Default Tests. A PGAB Properties test will be automatically added so Helena Receiving can now receive the sample

HELENA RECEIVING – Receive Sample and Route to Asphalt Properties Lab

Navigation: Materials Worksheets > Receive Sample At Destination Lab

1. In the Select Destination Lab to Receive At select Helena Receiving
2. Check the box to the left of the appropriate sample record row
3. Click Mark As Received

HELENA ASPHALT PROPERTIES LAB – Receive Sample and enter test results

Navigation: Materials Worksheets > Receive Sample At Lab Unit

1. In the Select Lab Unit to Receive At select Materials Binder Properties Lab
2. Check the box to the left of the appropriate sample record row
3. Click Mark As Received
4. Click on the Enter Test Results quick link
5. Under the Tests section, enter the last 4-digits of the sample record to filter the list
6. Click on the Test Number link
7. Enter the Due Date, Test Start Date
8. Click Save
9. Click the Reference Specifications Tab
10. Click the Use for Test box on the appropriate specification.
11. Click Save
12. Click on the Component Action menu and select MDT T-315 Asphalt Binder Props Using DSR (O/RTFO/PAV) agency view link
13. Enter the test result data
14. Select the Test Result Value
15. Click Save
16. Click on the Sample Record Test link



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17. Enter the Test Completion Date and verify the Test Result Value auto populated.
18. Enter Comments if the sample failed to meet specifications.
19. Click Save
20. Once data is reviewed and complete click on the Component Action Menu and select Mark Test Complete