FAA
Airports

Errata Sheet for Advisory Circular (AC) 150/5370-10H, Standard Specifications for Construction of Airports

Last Update: 8/19/2020

This errata sheet logs content errors and required updates identified after the Advisory Circular was signed on December 21, 2018. These errors have been corrected in the consolidated PDF version of the AC available on the FAA website.

#	Description of Correction	Location in Document	Rationale	Date Error Corrected
1	Changes text to read “[Not Used] [Contractor Quality Control Program (CQCP) is for the personnel, tests, facilities and documentation required to implement the CQCP. The CQCP will be paid as a lump sum with the following schedule of partial payments:]”	C-100-13	Adds text inadvertently left out of published document.	2/15/2019
2	Changes “RPR” to “[RPR][contractor]”.	P-152-2.8, seventh and eighth paragraphs, first sentence	Clarifies who does the testing and adds brackets for Engineer's selection, which were inadvertently left out of the published document.	2/15/2019

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3	Changes “testing to obtain” to “testing and develop”.	P-152-2.8, seventh paragraph, first sentence	Clarifies who develops the proctor curves.	2/15/2019
4	Changes “obtained” to “developed”.	P-152-2.8, seventh paragraph, last sentence	Clarifies intent.	2/15/2019
5	Removes paragraph that reads “Density tests will be taken by the RPR for every [ ] square yards) (meters) of completed subgrade. If a nuclear gage is used for density determination, two random readings shall be made for each [ ] square yards (meters).”	P-152-2.10, second paragraph under Engineer’s Note	Deletes repetitive information.	2/15/2019
6	Removes ", and the amount passing the 0.02mm sieve be limited to no more than 3%”.	P-154-2.1, Engineer’s Note, third paragraph	Deletes text inadvertently left in Engineer's Note. (Test requirement was removed from specification since no longer active ASTM.)	2/15/2019
7	Changes text in third bracket from “[ASTM D588]” to “[ASTM D558]”.	P-207-3.4	Corrects typographic error.	2/15/2019
8	Changes “75 mm” to “75 µm”.	P-208-2.2, Engineer’s Note, second paragraph	Corrects units on No. 200 sieve.	2/15/2019

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9	Changes second paragraph to “When non frost susceptible material is required, the maximum allowable material passing the No. 200 (75 µm) sieve shall be reduced to 0-5%. For areas subject to substantial frost penetration into base and subbase a separation filter layer or geosynthetic separation layer is recommended”.	P-208-2.2, Engineer’s Note, second paragraph	Deletes text inadvertently left in Engineer's Note relative to 0.02mm sieve and corrects amount passing No. 200 in areas subject to frost; adds text inadvertently left out of Engineer's Note about when separation fabric is needed.	2/15/2019
10	Adds Note 2 under table and adds references to Note 2 to No. 40 and No. 200 sieves.	P-209-2.2, Gradation of Aggregate Base table	Adds note that clarifies gradation was inadvertently left out of published document.	2/15/2019
11	Changes first paragraph to “When non frost susceptible material is required, the maximum material passing the No 200 (75 µm) sieve shall be reduced to 0-5%. For areas subject to substantial frost penetration into base and subgrade layers, a separation filter layer or geosynthetic separation layer is recommended.”	P-209-2.2 Engineer’s Note, first paragraph	Adds text intended to be consistent with text in P-209-2.2 Engineer’s Note that was inadvertently left out.	2/15/2019
12	Changes “shall” to “may”.	P-209-3.5, Engineer’s Note, first paragraph	Updates language.	2/15/2019
13	In Requirement column for Flat Particles, Elongated Particles, or Flat and Elongated	P-219-2.1, Recycled	Corrects typographic error.	2/15/2019

#	Description of Correction	Location in Document	Rationale	Date Error Corrected
	Particles, changes “20% maximum” to “10% maximum” in the second and third line.	Concrete Aggregate Base Material Requirements table		
14	Change note to read “A flat particle is one having a ratio of width to thickness greater than five (5); an elongated parrticle is one having a ratio of length to width greater than five (5).”	P-219-2.1, Recycled Concrete Aggregate Base Material Requirements table, Note	Corrects error of ratio intended, to be consistent with tests on aggregate throughout all specifications, inadvertently missed.	2/15/2019
15	Changes “Concrete that has deteriorated from” to “Concrete affected by”.	P-219-2.1, Engineer’s Note, first paragraph	Corrects language to clarify meaning.	2/15/2019
16	In Requirement column for Flat Particles, Elongated Particles, or Flat and Elongated Particles, changes “20% maximum” to “10% maximum” in the second and third line.	P-304-2.1, Cement Treated Aggregate Base Material Requirements table	Corrects typographic error.	2/15/2019
17	Changes note to read “A flat particle is one having a ratio of width to thickness greater than five (5);	P-304-2.1, Cement Treated	Corrects error of ratio intended, to be consistent with	2/15/2019

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	an elongated particle is one having a ratio of length to width greater than five (5).”	Aggregate Base Material Requirements table, Note	tests on aggregate throughout all specifications, inadvertently missed.	
18	Adds an Engineer’s Note.	P-304-2.2	Clarifies allowable aggregate gradation	2/15/2019
19	Changes first sentence to read “The Contractor shall take samples of the aggregate base stockpile in accordance with ASTM D75 to verify initial aggregate base requirements and gradation”.	P-304-2.3a	Adds "stockpile" to clarify sample location.	2/15/2019
20	Deletes subparagraph b.	P-304-2.3b	Deletes paragraph that was erroneously added to this section.	2/15/2019
21	In Requirement column for Flat Particles, Elongated Particles, or Flat and Elongated Particles, changes “20% maximum” to “10% maximum” in the second and third line.	P-306-2.1, Aggregate Material Requirements table	Corrects typographic error.	2/15/2019
22	Changes note to read “A flat particle is one having a ratio of width to thickness greater than five (5); an elongated particle is one having a ratio of length to width greater than five (5).”	P-306-2.1, Aggregate Material Requirements table, Note	Corrects error of ratio intended, to be consistent with tests on aggregate throughout all specifications, inadvertently missed.	2/15/2019

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23	Changes first sentence to read “The Contractor shall take samples of the aggregate base stockpile in accordance with ASTM D75 to verify initial aggregate base requirements and gradation”.	P-306-2.2a	Adds "stockpile" to clarify sample location.	2/15/2019
24	Deletes subparagraph b.	P-306-2.2b	Deletes paragraph that was erroneously added to this section.	2/15/2019
25	Deletes the word “woven”.	P-306-2.8	Deletes "woven", which was erroneously added.	2/15/2019
26	In Requirement column for Flat Particles, Elongated Particles, or Flat and Elongated Particles, changes “20% maximum” to “10% maximum” in the second and third line.	P-307-2.1, Aggregate Material Requirements table	Corrects typographic error.	2/15/2019
27	Changes note to read “A flat particle is one having a ratio of width to thickness greater than five (5); an elongated particle is one having a ratio of length to width greater than five (5).”	P-307-2.1, Aggregate Material Requirements table, Note	Corrects error of ratio intended, to be consistent with tests on aggregate throughout all specifications, inadvertently missed.	2/15/2019
28	Changes first sentence to read “The Contractor shall take samples of the aggregate base stockpile in accordance with ASTM D75 to verify	P-307-2.2a	Adds "stockpile" to clarify sample location.	2/15/2019

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	initial aggregate base requirements and gradation".			
29	Deletes subparagraph b.	P-307-2.2b	Deletes paragraph that was erroneously added to this section.	2/15/2019
30	Changes "straightedge or a rolling inclinometer meeting the requirements of ASTM E2133" to "straightedge, a rolling inclinometer meeting the requirements of ASTM E2133 or rolling external reference device that can simulate a 12-foot (3.7m) straightedge approved by the RPR."	P-401-5.3g, second paragraph, first sentence	Adds additional option to collect straightedge data inadvertently missed.	2/15/2019
31	At the start of the sentence, changes "If the rolling inclinometer is used, the data . . ." to "If the rolling inclinometer or external reference device is used, the data . . ."	P-401-5.3g, second paragraph, last sentence	Adds additional option to collect straightedge data inadvertently missed.	2/15/2019
32	In the "L" column of the Base Course Mat Density row, replace "91.8" with "92.0".	P-401-6.3, Table 5	Corrects typographical error.	2/15/2019
33	Changes the Surface Course Mat Density percentage to 1.30 and the Joint Density percentage to 1.55.	P-401-6.3a, first paragraph, last sentence	Corrects typographical error.	2/15/2019
34	Replaces paragraph with "The Contractor should note that (1) 90 PWL is achieved when	P-401-6.3a, second paragraph	Corrects typographical error.	2/15/2019

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	consistently producing a surface course with an average mat density of at least 94.5% with 1.30% or less variability, (2) 90 PWL is achieved when consistently producing a base course with an average mat density of at least 94.0% with 1.55% or less variability, and (3) 90 PWL is achieved when consistently producing joints with an average joint density of at least 92.5% with 1.55% or less variability."			
35	Changes "straightedge or a rolling inclinometer meeting the requirements of ASTM E2133" to "straightedge, a rolling inclinometer meeting the requirements of ASTM E2133 or rolling external reference device that can simulate a 12-foot (3.7m) straightedge approved by the RPR."	P-403-5.3g, second paragraph, first sentence	Adds additional option to collect straightedge data inadvertently missed.	2/15/2019
36	At the start of the sentence, changes "If the rolling inclinometer is used, the data . . ." to "If the rolling inclinometer or external reference device is used, the data . . ."	P-403-5.3g, second paragraph, last sentence	Adds additional option to collect straightedge data inadvertently missed.	2/15/2019
37	Changes "straightedge or a rolling inclinometer meeting the requirements of ASTM E2133" to "straightedge, a rolling inclinometer meeting the requirements of ASTM E2133 or rolling external	P-404-5.3g, second paragraph, first sentence	Adds additional option to collect straightedge data inadvertently missed.	2/15/2019

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	reference device that can simulate a 12-foot (3.7m) straightedge approved by the RPR."			
38	At the start of the sentence, changes "If the rolling inclinometer is used, the data . . ." to "If the rolling inclinometer or external reference device is used, the data . . ."	P-404-5.3g, second paragraph, last sentence	Adds additional option to collect straightedge data inadvertently missed.	2/15/2019
39	• Deletes the row for "Total of all deleterious Material". • Deletes "**[** 1.0 **]**[3]" from the Percentage by Mass column in the row for Chert • Deletes in Note 1 the final sentence: "The total of all deleterious materials increases up to 3.5%". • Replaces in Note 3 "limited to 0.1 percent by mass in areas subject" with "increased to 1.0 percent by mass in areas not subject".	P-501-2.1c, Limits for Deleterious Substances in Coarse Aggregate table	Deletes text to clarify coarse aggregate deleterious materials table. No change in specific material requirements.	2/15/2019
40	Deletes the word "woven".	P-501-2.12	Deletes "woven" that was erroneously added.	2/15/2019
41	Changes "straightedge or a rolling inclinometer meeting the requirements of ASTM E2133" to "straightedge, a rolling inclinometer meeting the requirements of ASTM E2133 or rolling external	P-501-5.3g, second paragraph, first sentence	Adds additional option to collect straightedge data inadvertently missed.	2/15/2019

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	reference device that can simulate a 12-foot (3.7m) straightedge approved by the RPR."			
42	At the start of the sentence, changes "If the rolling inclinometer is used, the data . . ." to "If the rolling inclinometer or external reference device is used, the data . . ."	P-501-5.3g, second paragraph, last sentence	Adds additional option to collect straightedge data inadvertently missed.	2/15/2019
43	Adds opening and closing brackets around subparagraph a.	P-608-4.4a	Adds brackets to facilitate removal of paragraph when not applicable.	2/15/2019
44	Deletes sentence "A period of at least 30 days at 70°F (21°C) daytime temperatures shall elapse between the placement of a hot mixed asphalt concrete surface course and the application of the surface treatment."	P-608-4.4a, first paragraph, second sentence	Clarifies waiting period prior to application on new asphalt.	2/15/2019
45	Adds a new subparagraph a, New asphalt pavement surfaces, which includes a waiting period.	P-608-R-4.4	Clarifies waiting period prior to application on new asphalt.	2/15/2019
46	Changes the end of the sentence to "submitted for evaluation; or aggregates that meet P-501 reactivity test requirements may be utilized."	P-610-2.1a, second paragraph	Adds additional option for use of local aggregates.	2/15/2019
47	Replaces "another RPR approved third party certification program" with "American Concrete	D-701-2.10	Adds name of only other acceptable plant certification program inadvertently missed.	2/15/2019

#	Description of Correction	Location in Document	Rationale	Date Error Corrected
	Pipe Association QCast Plant Certification program".			
48	Updates links for items (2) and (3).	T-901 Seeding, Initial Engineer's Note	Corrects broken links.	2/15/2019
49	Deletes "– may be used by the RPR for areas that have high rates of lightning strikes."	L-108-3.6a, first paragraph, first sentence	Deletes information already in Engineer's Note.	2/15/2019
50	Replaces "[The counterpoise size is determined by the RPR" with "[The counterpoise size is as shown on the plans".	L-108-3.6a, first paragraph, second sentence	Adds brackets.	2/15/2019
51	At the end of the sentence, adds "][not used]".	L-108-3.6a, last paragraph, last sentence	Adds option for "[not used]".	2/15/2019
52	Deletes "– used in areas where lightning strikes are not common."	L-108-3.6b, first paragraph, first sentence	Deletes information already in Engineer's Note.	2/15/2019
53	Replaces "Counterpoise size is selected by the RPR" with "[Counterpoise size is as shown on the plans".	L-108-3.6b, first paragraph, second sentence	Adds brackets.	2/15/2019

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54	At the end of the sentence, adds “][not used]”.	L-108-3.6b, last paragraph, last sentence	Adds option for “[not used]”.	2/15/2019
55	Adds as new last sentence: “Equipotential is used for areas with high rates of lightning strikes and Isolation in areas where lightning strikes are not common.”	L-108-3.6b, Engineer’s Note	Adds clarification to note.	2/15/2019
56	Revise text to read: “[No separate payment will be made for ground rods.][Ground rods shall be measured by each [8-foot] section installed complete.]”	L-108-4.3	Adds clarification on payment for ground rods.	2/15/2019
57	Corrects cross reference	Par 90-06	The sentence incorrectly referenced 50-03, correct reference is 50-14.	7/19/2019
58	Removed 2 sided density	Par. 404-6.3	Table 5, remove upper limit on Surface Course Mat Density, to be consistent with P401 criteria.	7/19/2019
59	Added option for use of FHWA ProVal	P401-5.3g	Both programs acceptable, contractors more familiar with ProVal.	7/19/2019.
60	Added option for use of FHWA Proval	P403-5.3g	Both programs acceptable, contractors more familiar with ProVal	7/19/2019
61	Added option for use of FHWA ProVal	P501-5.3g	Both programs acceptable, contractors more familiar with ProVal	7/19/2019

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62	Added temperature in note to engineer below table 1 for Hamburg test	P401-3.3	Temperature for test not listed	9/6/2019
63	Added temperature in note to engineer below table 1 for Hamburg test	P403-3.3	Temperature for test not listed	9/6/2019
64	Added procedure and conditioning of elastic recovery test to Asphalt Binder PG Plus Test Requirements table.	P401-2.3	Procedure to use for test and conditioning of binder clarified	9/6/2019
65	Added procedure and conditioning of elastic recovery test to Asphalt Binder PG Plus Test Requirements table.	P403-2.3	Procedure to use for test and conditioning of binder clarified	9/6/2019
66	Added procedure to be used on elastic recovery test	P404-2.3, first bullet	Did not specify which test to use.	9/12/2019
67	ASTM for test procedure withdrawn, added new test procedure	P623-2.1 foot note to table	ASTM D 2939 has be withdrawn by ASTM. AASHTO T 59 and T111 acceptable replacement	10/21/2019
68	Added additional clarification on how to evaluate asphalt binder	P401-2.3	First sentence of Note to Engineer modified to clarify what is the starting point for traffic adjustments to binder grade.	10/21/2019
69	Added additional clarification on how to evaluate asphalt binder	P403-2.3	First sentence of Note to Engineer modified to clarify what is the starting point for traffic adjustments to binder grade.	10/21/2019

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70	Clarified method of acceptance and payment for control strip	P401-2.3	Clarified acceptance and payment standards for control strip.	10/21/2019
71	Clarified method of acceptance and payment for control strip	P403-2.3	Clarified acceptance and payment standards for control strip.	10/21/2019
72	Clarified method of acceptance and payment for control strip	P501-4.1	Clarified acceptance and payment standards for control strip.	10/21/2019
74	Percentage of two fractured faces reduced to 98%.	P209-2.1	In practice, it is very difficult to get 100% two fractured faces. Material still acceptable if majority has two fractured faces.	10/21/2019
75	Adds as new second sentence to paragraph beneath Maximum Allowable Pipe Deflection table “Isolated areas may exceed allowable by 2.5% with concurrence of RPR.”.	D701-3.7	Clarifies remedial action.	10/21/2019
76	Adds the following as the last sentence of the second paragraph: “The use or APA or Hamburg is not required for pavements serving aircraft less than 60,000 pounds.”	P401-3.3, Engineer’s Note below Table 1	Clarification as to when mix performance tests required.	11/12/2019
77	Changes the last part of the fourth paragraph to read “and Mat density greater than or equal to	P401-3.5	Clarification of how to calculate payment for control strips.	11/12/2019

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	94.5%, air voids 3.5% +/- 1%, and joint density greater than or equal to 92.5%."			
78	Adds the following to the start of the final paragraph before the Engineer's Note: "The control strip will be considered one lot for payment based upon the average of a minimum of 3 samples (no sublots required for control strip)."	P401-3.5	Clarification of how to calculate payment for control strips.	11/12/2019
79	Changes the last sentence in the paragraph from "exceed the maximum lift thickness" to "exceed the lift thickness".	P401-6.5	Clarifies that the lift thickness in Table 2 is a minimum thickness.	11/12/2019
80	Adds the following as the last sentence of the second paragraph: "The use or APA or Hamburg is not required for pavements serving aircraft less than 60,000 pounds."	P403-3.3, Engineer's Note below Table 1	Clarification as to when mix performance tests required.	11/12/2019
81	Changes the last part of the fifth paragraph to read "and Mat density greater than or equal to 94%, air voids 3.5% +/- 1%, and joint density greater than or equal to 92%."	P403-3.5	Clarification of how to calculate payment for control strips.	11/12/2019
82	Added a new first sentence of the last paragraph before the Engineer's Note: "The control strip will be considered one lot for payment based upon the	P403-3.5	Clarification of how to calculate payment for control strips.	11/12/2019

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	average of a minimum of 3 samples (no sublots required for control strip).”			
83	Changes the last sentence in the paragraph from “exceed the maximum lift thickness” to “exceed the lift thickness”.	P403-6.4	Clarifies that the lift thickness in Table 2 is a minimum thickness.	11/12/2019
84	Corrects link to United States Air Force Engineering Technical Letter 97-5.	P501-2.1 Engineer’s Note	Corrects broken link.	11/12/2019
85	Adds option for when proof rolling at the start of the text and as the last sentence of the Note to Engineer.	P152-2.9 and Note to Engineer following description	Proof rolling is not required on all projects.	4/30/2020
86	Adds a second sentence noting that conduits must be secured to prevent floatation prior to placement of CLSM.	P153 Note to Engineer	Potential for conduits to float out of trench if not adequately secured.	4/30/2020
87	Adds at the end of the second paragraph an option for curing compound or other moisture retention methods.	P156-6.7	Moisture may be retained by many different methods.	4/30/2020
88	Clarifies in the first sentence of the second paragraph that material is base, not subbase.	P208-3.5	Compaction is relative to laboratory maximum of material being placed.	4/30/2020

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89	Clarifies in the first sentence of the second paragraph that material is base, not subbase.	P209-3.4	Compaction is relative to laboratory maximum of material being placed.	4/30/2020
90	Removed column on Lime rock material properties from table and removed incorrect reference to footnote 1 in Oxides of iron and aluminum row.	P211-2.1	All lime rock can be classified as Oolitic or Non-Oolitic; the third column was confusing.	4/30/2020
91	Adds at the end of the third paragraph option for curing compound or other moisture retention methods.	P220-4.9	Moisture may be retained by many different methods.	4/30/2020
92	Corrects ASTM reference and adjusts recommended field density to 98 from 100. Note to engineer removes incorrect ASTM reference and adds that Engineer may adjust test area to be appropriate for job size.	P220-4.12a and note to engineer	Need to accept based upon same standard used for mix design. Not necessary to achieve 100% density.	4/30/2020
93	Corrects that fabric meeting AASHTO M 288 Class I requirements be non woven with an elongation not less than 50% and weight not less than 14.5oz/yd.	P306-2.8	Fabric used as a bond breaker must be non woven with minimum elongation less than 50% and weight not less than 14.5 oz/sy.	4/30/2020
94	Corrects that fabric be non woven with an elongation not less than 50% and weight not less than 14.5oz/yd	P307-2.7	Fabric used as a bond breaker must be non woven with minimum elongation less than 50% and weight not less than 14.5 oz/sy.	4/30/2020

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95	Adds new last sentence of first paragraph to clarify that longitudinal straight edge test start on previously placed material.	P401-5.3g(2)	Ensures that joint between previously placed material and new material meets straight edge requirements.	4/30/2020
96	Clarifies in second paragraph that grade check must include start and end of each lane placed.	P401-6.2d	Ensures that joint between previously placed material and new material meets grade requirements.	4/30/2020
97	Clarifies that smoothness checks at start and end of lanes placed. Adds new last sentence of first paragraph to clarify that longitudinal straight edge test start on previously placed material.	P403-5.3g(2)	Ensures that joint between previously placed material and new material meets straight edge requirements.	4/30/2020
98	Adds new last sentence of first paragraph to clarify that longitudinal straight edge test start on previously placed material.	P501-5.3 g (2)	Ensures that joint between previously placed material and new material meets straight edge requirements.	4/30/2020
99	Clarifies when a chip seal surface may be used.	P609 Note to Engineer following the description	FAA standard specifications apply to airports serving aircraft greater than 30,000 lbs.	4/30/2020
100	Clarifies when emulsified seal may be used.	P623 Note to Engineer following the description	FAA standard specifications apply to airports serving aircraft greater than 30,000 lbs.	4/30/2020
101	Clarifies when emulsified asphalt slurry seal may be used.	P626 Note to Engineer following description	FAA standard specifications apply to airports serving aircraft greater than 30,000 lbs.	4/30/2020

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102	Clarifies when sand slurry and spray seal may be used.	P629 Note to Engineer following description	FAA standard specifications apply to airports serving aircraft greater than 30,000 lbs.	4/30/2020
103	Adds new second sentence to allow for sawing grooves when it can be demonstrated that will not damage pavement.	P621-2.5	Information was previously only in note to engineer; this facilitates repair and expedited construction when necessary to open pavements sooner than 30 days after placement of asphalt or concrete.	4/30/2020
104	Corrects AC reference to AC 150/5340-30.	L125-3.1	Correction of typographical error.	4/30/2020
105	Removes soundness test requirement (ASTM C88) from Recycled Concrete Aggregate Base Material Requirements table.	P219-2.1	ASTM C88 soundness test not applicable to recycled concrete aggregate, test yields erroneous results.	6/26/2020
106	Adds contractor's gradation column to Gradation of Recycled Concrete Aggregate Base table.	P219-2.2	Job mix tolerances to be applied to contractor's gradation.	6/26/2020
107	Adds Bond Breaker option and note to engineer to align with P306.	P304-2.8	Allows similar bond breaker materials for P304 and P306	6/26/2020
108	Adds Bond Breaker option and note to engineer to align with P306.	P304-5.12	Allows similar bond breaker materials for P304 and P306	6/26/2020

#	Description of Correction	Location in Document	Rationale	Date Error Corrected
109	Corrects limit on clay and friable to 1.0% in Coarse Aggregate Material Requirements table to be as they were in in AC 150/5370-10G.	P401-2.1a	Old limits sufficient on airport pavements, no need for more stringent control.	6/26/2020
110	Corrects limit on clay and friable to 1.0% in Coarse Aggregate Material Requirements table to be as they were in in AC 150/5370-10G.	P401-2.1b	Old limits sufficient on airport pavements, no need for more stringent control.	6/26/2020
111	Clarifies level of FAA approval.	P401-3.3, table 1 note to engineer	Clarifies that FAA approval level for substitution of Hamburg for APA is at ADO level.	6/26/2020
112	Corrects limit on clay and friable to 1.0% in Coarse Aggregate Material Requirements table to be as they were in in AC 150/5370-10G.	P403-2.1a	Old limits sufficient on airport pavements, no need for more stringent control.	6/26/2020
113	Corrects limit on clay and friable to 1.0% in Coarse Aggregate Material Requirements table to be as they were in in AC 150/5370-10G.	P403-2.1b	Old limits sufficient on airport pavements, no need for more stringent control.	6/26/2020
114	Corrects type of fabric bond breaker.	P403-2.5	Fabric bond breaker needs to be non woven with elongation not less than 50% and a weight not less than 14.5 0z/sy.	6/26/2020
115	Adds brackets around the Asphalt Pavement Analyzer options and adds a reference to note 3.	P403-3.3 table 1	Clarifies that APA can be replaced with Hamburg and that not required when aircraft less than 60,000 lbs.	6/26/2020

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116	Adds note 3 allowing Hamburg test when APA is not available.	P403-3.3 table 1	Recognizes that APA not available in all areas.	6/26/2020
117	Clarifies level of FAA approval.	P404-3.3 table 1 note to engineer	Clarifies that FAA approval level for substitution of Hamburg for APA is at ADO level.	6/26/2020
118	Corrects type of fabric bond breaker.	P501-2.12	Fabric bond breaker needs to be non woven with elongation not less than 50% and a weight not less than 14.5 0z/sy.	6/26/2020
119	Corrects minimum vma in table 2 and adds option for ¾" gradation	P404-3.3 table 2	Minimum vma should be 15 for ¾" gradation and 16 for ½" gradation	6/26/2020
120	Adds bracket at the start of paragraph and a "not used" option in note 1 of the table. Adds a note to engineer that clarifies tests for retro-reflectance needed 2 times / day at part 139 airports.	P620-3.8	At non part 139 airports, it is good practice to test retro-reflectivity but not always practical at remote locations.	6/26/2020
121	Clarifies concrete, when P610 not available. Add note to engineer.	L115-2.6	On projects without any other P-610 acceptable to use State DOT concrete.	6/26/2020
122	Adds the following at the end of the note: "When used under concrete pavement, joint plan must match joints for surface concrete pavement."	P306-5.11 note to engineer	To minimize potential for reflective cracking, joints in 306 need to match joints in surface.	8/19/2020

#	Description of Correction	Location in Document	Rationale	Date Error Corrected
123	Clarifies that set consists of three specimens for determination of air voids.	P401-6.1c(2)	ASTM D3203 just indicates set of specimens; clarification ensures that QC and QA use same number of specimens per set.	8/19/2020
124	Clarifies that set consists of three specimens for determination of air voids.	P403-6.1c(2)	ASTM D3203 just indicates set of specimens; clarification ensures that QC and QA use same number of specimens per set.	8/19/2020
125	Clarifies that set consists of three specimens for determination of air voids.	P404-6.1c(2)	ASTM D3203 just indicates set of specimens; clarification ensures that QC and QA use same number of specimens per set.	8/19/2020
126	Clarifies that engineer must determine strength required to accommodate construction loads, e.g. material hauling and construction equipment. Adds the following after the first sentence of the note: “The strength needed for construction traffic is dependent upon the loads it will be exposed to. The strength needed for a thin pavement at a small airport may be more than is needed for a thick pavement at a large airport. Coordinate the strength in 501-4.8, 501-4.17 and 501-4.18. Engineer must determine strength required to accommodate construction loads (e.g. hauling, placing, etc.) without damaging pavement, for each project. Strength needed can be adjusted during construction if contractor provides detailed	P501-4.8 note to engineer	Paragraphs 501-4.8, 501-4.17 and 501-4.18 all need to be consistent.	8/19/2020

#	Description of Correction	Location in Document	Rationale	Date Error Corrected
	engineering calculations supporting actual construction loads.”			
127	Adds brackets around strength needed to open for construction traffic.	P501-4.17	Paragraphs 501-4.8, 501-4.17 and 501-4.18 all need to be consistent.	8/19/2020
128	Adds brackets around strength needed to open for construction traffic.	P501-4.18	Paragraphs 501-4.8, 501-4.17 and 501-4.18 all need to be consistent.	8/19/2020
129	Adds the following at the end of the note: “See note with paragraph 501-4.8 for guidance on editing 501-4.17 and 501-4.18.”	P501-4.18 note to engineer	To avoid potential for conflicting specifications, all three paragraphs need to have same requirement for concrete strength.	8/19/2020