



# M-TRAC

2024

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CIT Administrator



# CIT Performance Tests

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# Guidelines and Rules for being a Supplemental

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- Must be certified.
- Not allowed to watch anyone from your office.
- Not allowed to prompt or help the person taking the performance test.
- If they voluntarily stop. They can come back to same supplemental.
- Circle Pass/Fail, sign and date.

# KT-11 Constant Mass Method

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Oven Dried.





Two attempts may be made by the applicant. The applicant may stop themselves once and not have that count as one of the two attempts. If the applicant stops voluntarily, draw a line at that point and note that the applicant stopped themselves then restart at the top of the next attempt.

Applicant: \_\_\_\_\_ CIT #: \_\_\_\_\_

Employer: \_\_\_\_\_

		1st Test		Stopped Test		Re-Test		Overall Score		
	Test Sample							Circle One		
1.	Select a representative quantity of sample in the amount indicated in the appropriate table. (4.1.)	PASS	FAIL	PASS	FAIL	PASS	FAIL	1st Test	Stopped Test	Re-Test
	Procedure									
2.	Weigh a clean, dry container. Record the weight. (4.2.)	PASS	FAIL	PASS	FAIL	PASS	FAIL	PASS	PASS	PASS
3.	Place the moist sample in the container and weigh. Record the weight. (4.2.)	PASS	FAIL	PASS	FAIL	PASS	FAIL	FAIL	FAIL	FAIL
								Witness Examiner:		
4.	Place the container with the sample in the drying oven at 230 ± 9°F (110 ± 5°C) and dry to a constant mass. (4.2.)	PASS	FAIL	PASS	FAIL	PASS	FAIL	(First Try)	Signature	Date
								Witness Examiner:		
5.	Upon removal from the oven, allow sample to cool to room temperature. (4.2.)	PASS	FAIL	PASS	FAIL	PASS	FAIL	(Stopped Try)	Signature	Date
								Witness Examiner:		
6.	Weigh and record the weight of the container with the dried sample. (4.2.)	PASS	FAIL	PASS	FAIL	PASS	FAIL	(Re-Test)	Signature	Date
7.	Calculate the moisture content. (5.1.)	PASS	FAIL	PASS	FAIL	PASS	FAIL			



## KT-1 Sampling Methods

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- Bins or Belt Discharge
- Stationary Conveyor Belt
- Sampling Stockpiles with Power Equipment
- Coarse Aggregate
- Fine Aggregate



# KT-1 Splitting

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Splitting using a quartering  
canvas.





# KT-1 Splitting

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Splitting using a riffle splitter.





# KT-1 Splitting

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Miniature Stockpile (wet fine aggregate only).

# KT-50 Uncompacted Voids

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Material used for  
splitter and  
gradations

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# Completed Performance Tests

- Student is responsible in completing all tests.
- Once finished they give to lab tech (Trevor).
- Trevor gives it a glance and makes sure supplementals have signed and circled and dated.
- Trevor marks them off on sheet.
- Gives to the instructor.
- Instructor fills out Instructor checklist and double checks that all performance exams have been received.



# Instructor checklist

- This form is checked and signed off by the instructor.
- This is at the front of the performance packet that each tester receives.

## EXAMINER'S CHECKLIST REPORT

### Aggregate Field Testing Technician

Applicant Name \_\_\_\_\_ Date \_\_\_\_\_

		1 <sup>st</sup> Trial		2 <sup>nd</sup> Trial		Re-Test	
KT-1	Sampling Aggregates-Riffle Splitter, Quartering Canvas & Miniature Stockpile	Pass	Fail	Pass	Fail	Pass	Fail
KT-1	Sampling Aggregates-Bins or Belt Discharge	Pass	Fail	Pass	Fail	Pass	Fail
KT-2	Sieve Analysis of Aggregates	Pass	Fail	Pass	Fail	Pass	Fail
KT-3	Material Passing the #200 Sieve By the Wash Method	Pass	Fail	Pass	Fail	Pass	Fail
KT-11	Moisture Test (Constant Mass Method)	Pass	Fail	Pass	Fail	Pass	Fail
KT-50	Uncompacted Void Content of Of fine aggregate	Pass	Fail	Pass	Fail	Pass	Fail

In order for an overall passing grade to be given on the performance exam, each of the individual procedures must have been passed on either the first or second trial or re-test.

### OVERALL GRADE ON PERFORMANCE EXAM

☐ **PASS**      ☐ **FAIL**

Comments: \_\_\_\_\_

Examiner Signature \_\_\_\_\_ Date \_\_\_\_\_



# Classes with Performance Tests

- ACI Concrete Field (12)
- Aggregate Field (10)
- Aggregate Lab (5-6)
- Soils Field (12)
- Superpave Field (5-6)
- Hardened Concrete Properties (6)
- Nuclear Gauge (7-9)

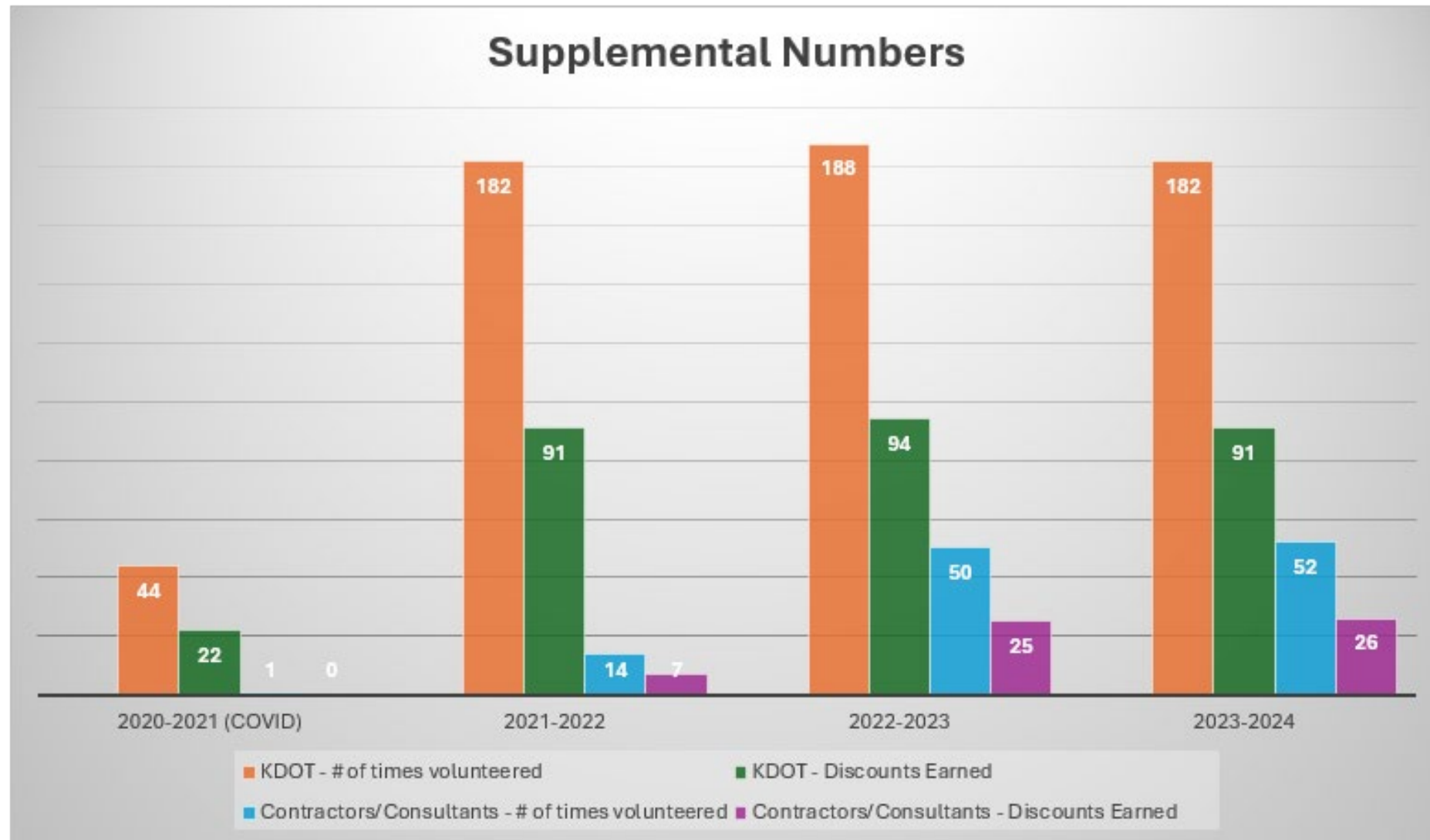


# Supplementals who are they?

- Contractors, Consultants and KDOT
- Email
- Incentives



# Supplemental Examiners



Questions?

