

FHWA/NCAT RECYCLED TIRE RUBBER BEST PRACTICES

RICHARD WILLIS
2019 ARIZONA PAVEMENTS/MATERIALS CONFERENCE

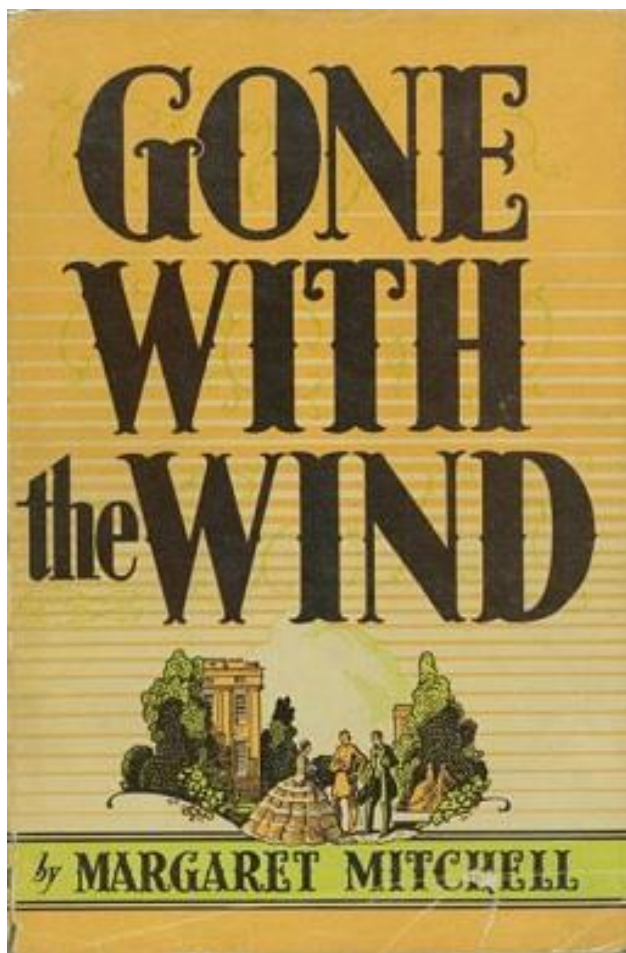


THE NEVER-ENDING SAGA TO DEVELOP THE FHWA RTR BEST PRACTICES

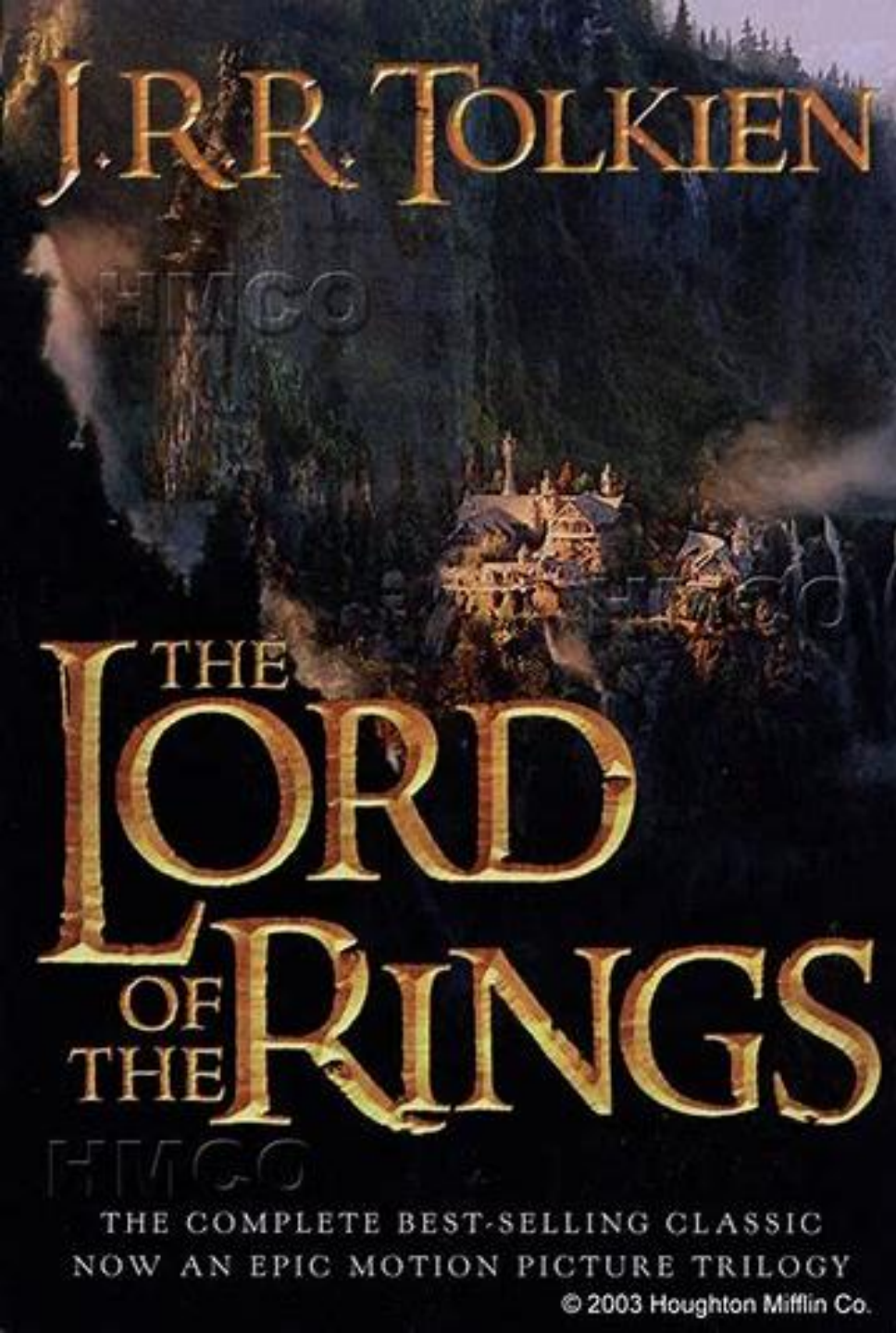
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Books that Took
Longer to Write
than RTR Best
Practices



Books that Took
Longer to Write than
RTR Best Practices



10 THINGS I THINK I WOULD THINK ABOUT BEFORE USING RTR





1. Mode of Delivery







4. Mixture Type Selection

Report of Test
SUPERPAVE™ HMA Design Mix Formula

Distribution District Engineer (D) – (M) (E) – Mix Designer (D) – (E) (E) (E) (E)

File No. _____

Client Address: 43041A Larry Young MOOT October 1, 2019
 District: 33rd District
 State: Michigan
 Job Title: District Engineer
 Project Name: Nunda Road Corridor, MI
 District: 33-03

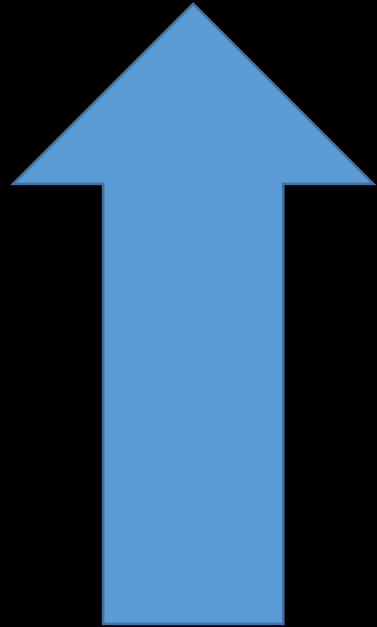
Job No.:	3630	Mix Design Number:	CDMD-257	Project Location:	144	Specification:	FUR-130/13-18-03
Job Date:	6-01	Job No.:	4472	Job No.:	7232	Job No.:	1.0
Job No.:	2.507	Job No.:	2.426	Job No.:	1.030	Job No.:	2.005
Job No.:	2.787	Job No.:		Job No.:		Job No.:	

Mix (A), Gravel, %		Mix (B), Fines, %		Bit.	Percent	DRMA	Percent
0.075 mm	5.9%	30x10		03-045	25.0%		
0.150 mm	37.5 mm	7x		30-023	20.0%		
0.300 mm	MS			30-023	27.0%		
0.600 mm	100.0%	2MS		47-096	10.0%		
0.840 mm	16.0%	Bag Sand		02-042	10.0%		
0.0075 mm	76.6%						
0.075 mm	55.0%						
0.150 mm	30.2%						
0.300 mm	27.1%						
0.600 mm	15.1%						
0.840 mm	13.2%						
0.425 mm	6.0%						
0.075 mm	4.7%						
0.150 mm	10.1%						
0.300 mm	26.2%						

Aggregate Grade:	Circle	PG 50-25	Production/Location:	OFFROAD	% New AC (35/50):	5.1%
Crack Seal 1 Type:			331	340	300	300
Crack Seal 2 Type:						

DRAFT

District Engineer



5. Mixture Design Impacts

TOO MUCH WANT





7. Is it Compatible?

8. Impact on Lab QC





10. Will it Perform?

