

QC1P/QC1 Strength Result Comparison
ODOT 23-3008

Mix	Source		Age - 1 Day	Age - 3 Day	Age - 5 Day	Age - 7 Day	Age - 14 Day	Age - 28 Day	Age - 500 Days
QC1P Roller 4"	ODOT 8.20.24 Placement				550				
QC1P Roller 4"	ODOT 8.20.24 Placement				750				
QC1P Roller 4"	ODOT 9.10.24 Placement - (6 Day)				720				
QC1P Roller 4"	ODOT 9.10.24 Placement - Core 500 Days								739
QC1P Roller 4"	ODOT 9.10.24 Placement - Core 500 Days								695
QC1P - Roller 4"	Ernst Test 4.21.26			335	400	530			
QC1P/QC1	Ernst Historical Avg					507	604	665	
QC1P - Slip 2"	ODOT 9.9.24 Placement (4 Day)				750				
QC1P - Slip 2"	ODOT 9.9.24 Placement - Core 500 Days								959
QC1P - Slip 2"	Ernst Test 4.21.26			530	455	740			

Conversion Table of Flexural PSI to Compressive PSI

	ODOT Flexural Beam Strengths on Project
	ODOT Core Results Project @ 500 Days
	Ernst Recent QC1P Mix Testing
	Ernst Historical QC1 Strength Data

Flexural PSI	Compressive PSI
350	1,877
400	2,293
450	2,737
500	3,205
550	3,698
600	4,213
650	4,751
700	5,310
750	5,888
800	6,487

Based on ACI 330 recommended by American Concrete
Pavement Association