

QIC Task Group Worksheet

Issue/Problem	Timeframe (immediate solution?)	Tasks needed to understand/solve problem. By whom?	Implementation (change process? change spec?) By whom?	Deliverable (revised spec? training? other?) By whom?
Matching target air voids per desired performance for a variety of applications.	Yes	Can modify pavement designs (mix design level)	<ul style="list-style-type: none"> • Initially from Pavement Designs. • Requires change in mix design process/acceptance. 	
Fine tune relationship between target to mix design to construction.		<ul style="list-style-type: none"> • 		
Implement lift thickness changes.	Yes	Change pavement design; modify ODOT Pavement Design Guide.		
How to allow contractor to achieve smoothness?		<ul style="list-style-type: none"> • Consider min. lifts and leveling materials. • Input from contractors—what can you do and not do? • Consider profile of pavement. • Identify proper aggregate mix size. • Admin. Barriers include the additional time to two lifts. 	Change in Pavement Services Unit Pavement Design approach.	
Need to improve density and reduce permeability for dense graded mixes.	Yes	Review NCHRP Report #531—Mike (1/18: 4X Nom. Max. Agg. Size)	Provide information to pavement designers; construction offices; contractors.-- Mike	None—assign individuals to make sure information is relayed. -- Mike
Void targets based on environment: <ul style="list-style-type: none"> • Mountain passes • Decrease voids to increase durability (sand, plowing) • Specialized applications • 1/18: Need to get voids that are not interconnected. 		<ul style="list-style-type: none"> • Ask the question: Are we comfortable with mix levels? • Review NCATs work on test track. • Need Mix design group to look at one mix design (starting point). Set min void target for each layer. • 1/18: Liz to identify geographic zones that are chain up areas. (Done—see handout from Karen 	Change mix design process at the start. Ndesign=100 for all and then do field adjustments.	

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		Morrison).		
Stiffer Binders		<ul style="list-style-type: none"> • Review LTPP Degree Days • What is appropriate AC grade? • 58's vs 64 ok? • Determine if stiffer binder will increase fatigue cracking: • Stiffer binders will reduce strains on thicker applications; thinner sections could be a problem with fatigue. 		