

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
CONCRETE MIX DESIGN / CONTRACTOR SUBMITTAL**

<b>CONCRETE SOURCE:</b>			<b>DATE:</b>	
<b>COARSE AGG:</b>	<b>SOURCE / LOCATION</b>	<b>C.A. TYPE</b>	<b>SSD S.G.</b>	<b>ABS%</b>
<b>SIZE:</b>				
<b>SIZE:</b>				
<b>SIZE:</b>				
<b>FINE AGG:</b>		<b>FM:</b> +/-0.20		

<b>CEMENTITIOUS MATERIALS:</b>	<b>(1) CEMENT / BLENDED CEMENT</b>	<b>(2) G.G.B.F.S.</b>	<b>(3) FLY ASH</b>	<b>(4) MICROSILICA</b>
<b>BRAND/NAME</b>				
<b>SOURCE</b>				
<b>TYPE</b>				

<b>CLASS OF CONCRETE MIX</b> <sub>1</sub>			
<b>MIX NO.</b> <sub>2</sub>			
<b>DESIGN STRENGTH (PSI)</b>			
<b>COARSE AGGREGATE MAX SIZE</b>			
<b>CEMENT / DRY POZZOLAN (LBS)</b>	<b>WEIGHTS / DOSAGES / SPECS.</b>		
<b>(1) CEMENT / BLENDED CEMENT</b>			
<b>(2) G.G.B.F.S.</b>			
<b>(3) FLY ASH</b>			
<b>(4) MICROSILICA</b>			
<b>COARSE AGGREGATE (LBS)</b>			
<b>FINE AGGREGATE (LBS)</b>			
<b>MIX WATER</b> <sub>3</sub> (LBS/GALS)	/	/	/
<b>ADMIX. WATER</b> <sub>4</sub> (LBS/GALS)	/	/	/
<b>WATER / CEMENT RATIO</b>			
<b>SLUMP / SPREAD RANGE (IN)</b>			
<b>AIR CONTENT RANGE (%)</b>			
<b>DESIGN UNIT WT (LBS / CF)</b>			

<b>ADMIXTURES: TYPE / SOURCE-NAME</b>	<b>DOSAGE RANGE</b> <sub>5</sub> (OZ. / GALS. / LBS.)		

1. ALL MIX DESIGNS MUST BE ORIGINAL AND MUST BE STAMPED AND CERTIFIED BY A REGISTERED RI PROFESSIONAL ENGINEER. ALL MIXES MUST BE 27 CF +/- 1%. DESIGN AIR CONTENT AT MIDDLE OF SPECIFIED RANGE.
2. THIS IS THE CONCRETE SUPPLIERS MIX NUMBER AS IT APPEARS ON THE BATCH TICKET.
3. TOTAL DESIGN WATER = MIX WATER + ADMIX. WATER,
4. THIS IS THE WATER FROM ADMIXTURES WITH CONSIDERABLE AMOUNT OF WATER. THIS WILL INCLUDE CORROSION INHIBITORS, SILICA FUME AND SHRINKAGE CONTROL ADMIXTURES.
5. ALL CHEMICAL ADMIXTURE DOSAGES MUST BE IN OUNCES PER 100 POUNDS OF CEMENTITIOUS MATERIALS (OZ/100CWT), GALLONS PER YARD (GALS/CY) OR POUNDS PER YARD (LBS/CY).

