

MIX DESIGN REVIEW CHECKLIST

CS-JN PW-7018		JMF # P1-SM McCoig Plant M-11																																					
REVIEWER Ian Duncan		APPROVED ☒	REJECTED ☐	DATE 07/06/20																																			
THE SUBMITTAL MUST INCLUDE THE FOLLOWING:			YES	NO																																			
Form 1976 – Job Mix Formula (JMF) Concrete Field Communication			☒	☐																																			
Source of Materials			☒	☐																																			
Batch Weights of Constituent Materials (Dry)			☒	☐																																			
For Optimized Gradations Only – Individual Aggregate Gradations			☐	☐																																			
Specific Gravity of Constituent Materials (Dry - Required, SSD - Optional)			☒	☐																																			
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Dry Loose or Dry Rodded Unit Weight of Coarse Aggregate			☒	☐																																			
Water/Cementitious Ratio (w/cm) – 0.45 max			☒	☐																																			
Volume (dry, rodded) of coarse aggregate per unit volume concrete – 65 – 75% (inclusive)			☒	☐																																			
Aggregate Absorptions and Correction Factors			☒	☐																																			
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Alkali-Silica Reactivity (ASR) testing results for fine aggregate			☒	☐																																			
Date of completion within the last 2 years			☒	☐																																			
Conforms with one of the methods in c.5.A of 12SP604B			☒	☐																																			
STRENGTH, COMPRESSION																																							
The Lower Specification Limit (LSL) at 28 days, or			☒	☐																																			
70% of the Lower Specification Limit (LSL) at 7 days (Method 1 verification only)			☐	☐																																			
SUPPLEMENTAL CEMENTITIOUS MATERIALS (SCM)																																							
If Used, Maximum Slag Cement Replacement is 40% (Minimum replacement 25% for P1M and DM)			☒	☐																																			
If Used, Maximum Fly Ash Replacement is 40% (Minimum replacement 25% for P1M and DM)			☐	☐																																			
If Both Are Used, They Must Not Exceed 40% of Cementitious Material			☐	☐																																			

DOCUMENTATION

Air Content	6.52	(%)
Slump	4.45	Inch
Compressive Strength	6020	Psi
Concrete Age at Time of Test	28	Days
Verification Method Use (ref. c.5.B.2 of 12SP604B)	1 ☐ 2 ☒ 3 ☐ 4 ☐	

QPL/APPROVED SOURCE CHECK

	YES	NO	N/A
Coarse Aggregate	☒	☐	☐
Intermediate Aggregate	☐	☐	☒
Fine Aggregate	☒	☐	☐
Cement	☒	☐	☐
Fly Ash	☐	☐	☒
Slag Cement	☒	☐	☐
Admixtures	☒	☐	☐
Specified Dosage Greater Than Minimum or Within Dosage Range	☒	☐	☐

CEMENTITIOUS CONTENT

Meets Requirements (ref. Table 1 of 12SP604B)	☐	☐	
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YIELD AND OPTIMIZED GRADATION CHECK

Mix Design Yields (Use Concrete Job Mix Formula Yield Calculator)	☒	☐	
If Used, Optimized Aggregate Gradation Meets Appendix 1 requirements of 12SP602D	☐	☐	☐

NOTES/COMMENTS

JMF P1-SM is approved for use in curb, sidewalk, driveways, pavement water reducing admixture used. Maximum time to discharge = 60 minutes