

# Concrete Strength Report

Project Name: CSW Cast Stone	Project #: 09-2173
Architect/Engineer:	Report #: 1
Contractor: Custom Stone Work	Date Placed: 10-26-09
Supplier: Custom Stone Work	Location: Livonia, Michigan

MATERIAL SOURCES				MIX PROPORTIONS - ONE CUBIC YARD			
Cement Type:		Fly Ash:		Cement:		Fly Ash:	
Fine Aggregate:				F.A.:		Water:	
Coarse Aggregate:				C.A.:		A.E.A.:	
Air Entraining:				Admix:		Other:	
Admixtures:				Mix Design Weights			
Other:							
Mix Parameters:		Slump Range:		Percent Air Range:		Design Strength (psi):	
Location of Placement:							
Sample Location:							
Cubic Yards Placed:		Mix Design #:			Cylinders Molded By: Contractor		

FIELD TEST DATA								
Time	Ticket No.	Truck No.	Quantity (yds <sup>3</sup> )	Slump (in)	Percent Air	Air Temp. (°F)	Concrete Temp (°F)	Remarks

LABORATORY TEST RESULTS						
Initial Curing Period: Exposed			Test Specimen Dimensions: 2"x2"x2" Prism			
Lab Number	Test Date	Age (days)	Load (pounds)	Compressive Strength (psi)	Type of Fracture	Remarks
CSW 01	11-23-09	28	31,210	7,803	A	
CSW 02	11-23-09	28	29,420	7,355	B	
CSW 03	11-23-09	28	26,780	6,695	B	

Type of Fracture Key: A=Conical Shear   B=Diagonal Shear   C=Vertical Shear   D=Shear Through

Remarks:

Reviewed By: *Jefferey T. Anagnostou, P.E., C.P.G.*

# Concrete Strength Report

Project Name: CSW Cast Stone	Project #: 09-2173
Architect/Engineer:	Report #: 2
Contractor: Custom Stone Work	Date Placed: 10-26-09
Supplier: Custom Stone Work	Location: Livonia, Michigan

MATERIAL SOURCES				MIX PROPORTIONS - ONE CUBIC YARD			
Cement Type:		Fly Ash:		Cement:		Fly Ash:	
Fine Aggregate:				F.A.:		Water:	
Coarse Aggregate:				C.A.:		A.E.A.:	
Air Entraining:				Admix:		Other:	
Admixtures:				Mix Design Weights			
Other:							
Mix Parameters:		Slump Range:		Percent Air Range:		Design Strength (psi):	
Location of Placement:							
Sample Location:							
Cubic Yards Placed:		Mix Design #:			Cylinders Molded By: Contractor		

FIELD TEST DATA								
Time	Ticket No.	Truck No.	Quantity (yds <sup>3</sup> )	Slump (in)	Percent Air	Air Temp. (°F)	Concrete Temp (°F)	Remarks

LABORATORY TEST RESULTS						
Initial Curing Period: Exposed			Test Specimen Dimensions: 2"x2"x2" Prism			
Lab Number	Test Date	Initial Dry Wt (grams)	Dry Wt (grams)	Wet Wt (grams)	Absorption (%)	Remarks
CSW 04	11-23-09	289.55	286.90	290.59	1.29	
CSW 05	11-23-09	284.67	281.38	286.28	1.74	
CSW 06	11-23-09	288.73	285.63	290.05	1.55	

Type of Fracture Key: A=Conical Shear   B=Diagonal Shear   C=Vertical Shear   D=Shear Through

Remarks:

Reviewed By: *Jefferey T. Anagnostou, P.E., C.P.G.*