



Concrete Test Results

Bridge File #:	Date Tested:
Bridge Project:	Weather:
Location:	Tested By:
Contract #:	Certification: <input type="checkbox"/> CSA <input type="checkbox"/> ACI
Contractor:	Date of Certification / Expiry:
Concrete Supplier:	Cylinder Curing Facilities / Initial Temp:
Plant Location:	Placing Method / Sampling Location
Consultant:	Volume of Pour:

Specification Requirements	Concrete Class :		Strength: MPa @ 28 Days							
	Slump (mm)		Air Content (%)		Number of Cylinder Sets Required					
	Min.:	Max.:	Min.:	Max.:	Min of 1 set per :	Trucks	or	Min of 1 set per:	m ³	

Pour Location	Cylinder Identification Labels*	Delivery Ticket No.	Load Amount (m ³)	Time			Slump (mm)	Air Content (%)	Unit Weight (kg/m ³)	Temperature	
				Batched	Tested	Off-Load				Air (°C)	Conc (°C)

Sketch of Test Cylinder Location:

Comments:

* See Concrete Cylinder Coding Sheet for Suggested Cylinder Identification Label(s)



Concrete Test Results

Suggested Concrete Cylinder Coding Identification Labels

Abutments

A1S	Abutment #1 Seat
A1BW	Abutment #1 Backwall
A1LW	Abutment #1 Left Wingwall
A1RW	Abutment #1 Right Wingwall
A1WZ	Abutment #1 Both Wingwalls
A1B&W	Abutment #1 Backwall and Wingwalls
A1GB	Abutment #1 Grade Beam
A1RS	Abutment #1 Roof Slab
A1AS	Abutment #1 Approach Slab
A1MC	Abutment #1 Median Curb
A1RD	Abutment #1 Right Drain
A1LD	Abutment #1 Left Drain
A1SP	Abutment #1 Slope Protection
A1LS	Abutment #1 Left Sidewalk
A1RS	Abutment #1 Right Sidewalk

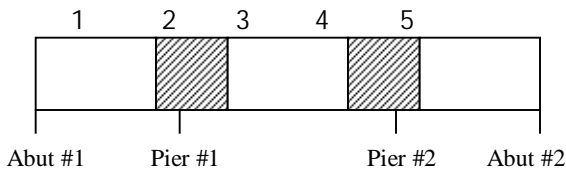
Piers

P1DP	Pier #1 Drilled Pile
P1PP	Pier #1 Pipe Pile
P1F	Pier #1 Footing
P1S	Pier #1 Shaft
P1LS	Pier #1 Lower Shaft
P1US	Pier #1 Upper Shaft
P1PC	Pier #1 Pier Cap
P1C	Pier #1 Columns

Decks

DS1	Deck Section #1 *
DS1RC	Deck Section #1 Right Curb
DS1LC	Deck Section #1 Left Curb
DS1RP	Deck Section #1 Right Parapet
DS1LP	Deck Section #1 Left Parapet
DS1MC	Deck Section #1 Median Curb
DS1RS	Deck Section #1 Right Sidewalk
DS1LS	Deck Section #1 Left Sidewalk

* Deck Section #'s:



Precast Units

S1GK	Span #1 Girder Keyways
A1BK	Abutment #1 Blockout
Pier #1	Pier #1 Diaphragm Beam
S1IDB	Span #1 Intermediate Diaphragm Beam

Box Culverts

BCF	Box Culvert Floor Slab
BCW	Box Culvert Walls
BCRS	Box Culvert Roof Slab
BCUA	Box Culvert U/S Apron
BRDA	Box Culvert D/S Apron
BCUW	Box Culvert U/S Wingwalls
BCDW	Box Culvert D/S Wingwalls
BCUF	Box Culvert U/S Wingwall Footing
BCDF	Box Culvert D/S Wingwall Footing

S.P.C.S.P. Culverts

SPF	Corrugated Metal Pipe Floor Slab
SPUC	Corrugated Metal Pipe U/S Collar
SPDC	Corrugated Metal Pipe D/S Collar
SPUA	Corrugated Metal Pipe U/S Apron
SPDA	Corrugated Metal Pipe D/S Apron
SPUCW	Corrugated Metal Pipe U/S Cut-off Wall
SPDCW	Corrugated Metal Pipe D/S Cut-off Wall
SPUW	Corrugated Metal Pipe U/S Wingwall
SPDW	Corrugated Metal Pipe D/S Wingwall
SPUF	Corrugated Metal Pipe U/S Footing
SPDF	Corrugated Metal Pipe D/S Footing

Arch Culvert

ACLF	Arch Culvert Left Footing
ACRF	Arch Culvert Right Footing
ACB	Arch Culvert Barrel
ACFS	Arch Culvert Floor Slab
ACUC	Arch Culvert U/S Collar
ACDC	Arch Culvert D/S Collar
ACUA	Arch Culvert U/S Apron
ACDA	Arch Culvert D/S Apron
ACUCW	Arch Culvert U/S Cut-off Wall
ACDCW	Arch Culvert D/S Cut-off Wall
ACUW	Arch Culvert U/S Wingwall
ACDW	Arch Culvert D/S Wingwall
ACUF	Arch Culvert U/S Footing
ACDF	Arch Culvert D/S Footing



Concrete Test Results – Completed Example

Asset ID No.: 12345
 Bridge Project: HWY XX over XXX River
 Location: Sometown
 Contract #: 2222/08
 Contractor: ABC Contracting
 Concrete Supplier: XYZ Concrete
 Plant Location: Concrete Town
 Consultant: AAA Consulting

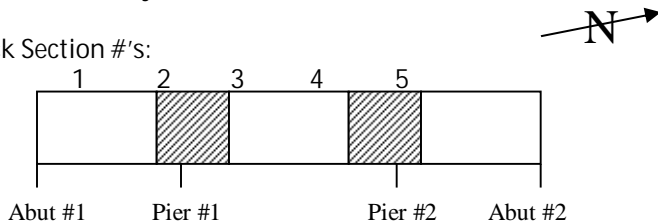
Date Tested: June 12, 2021
 Weather: Light Breeze, Cloudy 12 °C
 Tested By: Joe Tester
 Certification: CSA ACI Cert.# 12345
 Date of Certification / Expiry: July 1, 2019 / July 1, 2022
 Cylinder Curing Facilities / Initial Temp: Curing Box / 17 - 23 °C
 Placing Method / Sampling Location Pump Truck / Hose End
 Volume of Pour: 80 m³

Specification Requirements	Concrete Class : HPC		Strength: 45 MPa @ 28 Days			
	Slump (mm)		Air Content (%)		Number of Cylinder Sets Required	
	Min.: 90	Max.: 150	Min.: 5.0	Max.: 8.0	Min of 1 set per : 2 Trucks or Min of 1 set per: 20 m ³	

Pour Location	Cylinder Identification Labels*	Delivery Ticket No.	Load Amount (m ³)	Time			Slump (mm)	Air Content (%)	Unit Weight (kg/m ³)	Temperature	
				Batched	Tested	Off-Load				Air (°C)	Conc (°C)
Deck pour over Pier #1.	DS2-1,2,3,4	1	10	20:00	20:45	20:50	120	6.5	2400	15	16
Deck pour over Pier #1.	n/a	2	10	20:30	21:20	21:25	110	6.8	2395	15	16
Deck pour over Pier #1.	DS2- 5,6,7,8	3	10	21:00	21:40	21:50	125	7.2	2405	14	14
Deck pour over Pier #1.	n/a	4	10	21:30	22:15	22:20	130	5.6	2395	14	15
Deck pour over Pier #2.	DS4- 9,10,11,12	5	10	22:00	22:35	22:45	140	5.8	2400	13	13
Deck pour over Pier #2.	n/a	6	10	22:30	23:10	23:15	125	6.7	2400	13	17
Deck pour over Pier #2.	DS4-11,12,13,14	7	10	23:00	23:40	23:45	130	7.0	2405	13	16
Deck pour over Pier #2.	n/a	8	10	23:30	00:05	00:10	130	6.5	2402	12	15

Sketch of Test Cylinder Location:

Deck Section #'s:



Comments:

Ticket No. 4 and 5 had 200 mL of superplasticizer added.
 Superplasticizer used was EZY 123.

* See Concrete Cylinder Coding Sheet for Suggested Cylinder Identification Label(s)