

The diagram illustrates a cross-section of a bridge structure. It features two vertical masonry walls on either side of a central opening. The walls are constructed from rubble masonry (1:6 ratio) and are topped with a layer of cement plaster (1:4 ratio). The central opening is filled with reinforced concrete (vibrated, 1:2:4 ratio). The structure is supported by a base of rubble masonry (1:6 ratio) on a slope. Dimensions are provided in feet and inches: the wall height is 15 feet, the base width is 5 feet, and the central opening width is 14 feet. A bracket for fixing wiremesh is indicated on the right wall. A circular callout contains the text '63-9 (36)'. The vertical axis is labeled 'C of the bridge'.

6.3 (36)
11/18/19

Brass bridge plate
300/260, 16 gauge

80
55
25
40
35
5
30
26
12
50
5
10
50
5.5
140

Centre line of bridge

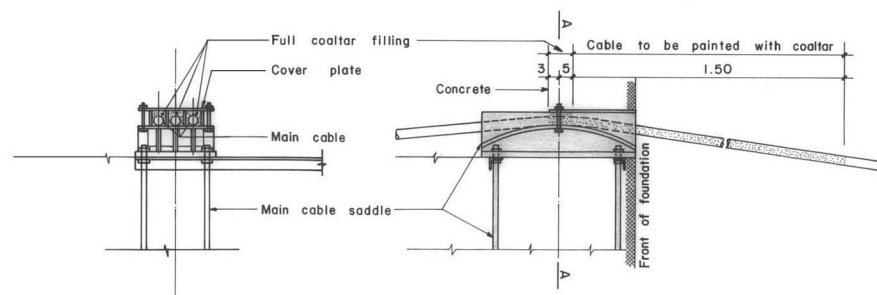
- 1) Wind the main cables 3 times around the drum before clamping.
- 2) Erect the deck before casting the third layer of reinforced concrete 1:2:4 (excluding wiremesh and fixation cable)
- 3) Do not allow persons to cross the bridge before casting and curing of the third layer of reinforced concrete 1:2:4
- 4) Required additional cable length for anchorage on one bank (from front of foundation):- Handrail cable: 3.30m,
Main cables : for front drum cable: 13.20m,
for other cables : 17.60m.
- 5) Make rough construction and working joints.

$$h_p = \dots m.$$

h _p = <small>(1.50 TO 1.60 OF 100 CM)</small>	Vo Quantity (m ³)	Cement	
		Bags/m ³	No. of Bags
Reinforced concrete 1:2:4 Vo = 15.052 + 0.88 h _p	*****	6.40	*****
Cement plaster 1:4 Vo = 0.025 LB - 0.026	*****	9.12	*****
Rubble masonry 1:6 Vo = (BL - 16.25) 0.95	*****	1.50	*****
Plumb concrete 1:3:6 + 40% boulders Vo = $\frac{BL}{2} (H_1 + H_2)$	*****	2.64	*****
Total volume: V _{total} = $\frac{BL}{2} (H_1 + H_2 + 1.95) + 0.88h_p - 0.412$	*****		
	No. of cement bags		

Formwork: $F_o = 5.40 \text{ hp} + 2.064$	Quantity
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SECTION A-A



- 1) Wrap whole plate in plastic
- 2) Assemble bolts and nuts.
- 3) Attach assembled plate at inside of formwork, then cast in concrete.
- 4) Remove plastic after concrete setting.

	Minimum	Maximum
B	6.70	9.50
L	3.30	5.50
H ₁	2.00	4.50
H ₂	1.00	4.50

<p align="center">MoLD / DoLIDAR / Trail Bridge Section</p> <p align="center">Long Span Trail Bridge Standard</p>	
Bridge No:	Name:
Span:	
Working & Assembly Drawing :	
Main Foundation on Rock	
Related Drawings : 62	
6 Main cables \varnothing	<input type="text" value=".....mm"/> (36 / 40mm)
2 Handrail cables \varnothing	36 mm
2 Fixation cables \varnothing	13 mm
Units :	<input type="text"/>
Date:	Drawing No.
August 2004	62/1(36)