

SPAN TYPE		SPAN LENGTH	DIM. B	DIM. A	DIM. C
PRESTRESSED	18" CORED SLAB	< 45'	2'-9"	+ 0.2'	- 3.4'
	21" CORED SLAB	< 55'	▲	- 0.1'	- 3.7'
	24" CORED SLAB	≤ 70'	↓	- 0.6'	- 4.2'
	33" BOX BEAM *	≤ 90'	↓	- 1.9'	- 5.5'
	39" BOX BEAM *	≤ 100'	↓	- 2.7'	- 6.3'
	36" GIRDER *	≤ 55'	↓	- 3.4'	- 7.0'
	45" GIRDER *	≤ 75'	▼	- 4.4'	- 8.0'
	54" GIRDER *	< 100'	2'-9"	- 5.6'	- 9.2'
	63" MBT	< 115'	4'-0"	- 5.8'	- 9.4'
	72" MBT	≤ 125'	4'-0"	- 6.9'	- 10.5'
I-BEAM		40'	2'-9"	- 2.5'	- 6.1'
		45'	▲	- 2.9'	- 6.5'
		50'	↓	- 3.1'	- 6.7'
		55'	↓	- 3.2'	- 6.8'
		60'	↓	- 3.4'	- 7.0'
		65'	↓	- 3.6'	- 7.2'
		70'	↓	- 3.7'	- 7.3'
		75'	↓	- 3.9'	- 7.5'
		80'	▼	- 3.9'	- 7.5'
PLATE GIRDER		85'	2'-9"	- 4.0'	- 7.6'
		90'	4'-0"	- 4.3'	- 7.9'
		100'	▲	- 4.8'	- 8.4'
		110'	↓	- 5.4'	- 9.0'
		120'	↓	- 5.8'	- 9.4'
		130'	↓	- 6.4'	- 10.0'
		140'	↓	- 6.9'	- 10.5'
		150'	▼	- 7.5'	- 11.1'
	160'	4'-0"	- 8.0'	- 11.6'	

+ VALUES INCREASE BRIDGE LENGTH

- VALUES DECREASE BRIDGE LENGTH

DIM. A - FOR HYDRAULICS UNIT'S USE IN SETTING BRIDGE LENGTH

DIM. A OR C - FOR STRUCTURE DESIGN UNIT'S USE IN SETTING STATION OF FRONT SLOPE

* IF PROPOSED SPAN LENGTH EXCEEDS SPAN LENGTH SHOWN BY 5 FEET OR LESS, CONSULT WITH SDU PROJECT ENGINEER.

STREAM CROSSING
DETAILS FOR 1'-0" MIN. BERM

FIGURE 11 - 3

SPAN TYPE		SPAN LENGTH	DIM. B	DIM. A	DIM. C
PRESTRESSED	457mm CORED SLAB	< 13.7m	840mm	+ 60mm	- 1020mm
	533mm CORED SLAB	< 16.8m	▲	- 30mm	- 1110mm
	610mm CORED SLAB	≤ 21.3m	↓	- 180mm	- 1260mm
	838mm BOX BEAM*	≤ 27.4m	↓	- 580mm	- 1660mm
	991mm BOX BEAM*	≤ 30.5m	↓	- 820mm	- 1900mm
	914mm GIRDER*	≤ 16.8m	↓	- 1040mm	- 2120mm
	1143mm GIRDER*	≤ 22.9m	▼	- 1400mm	- 2480mm
	1372mm GIRDER*	< 30.5m	840mm	- 1730mm	- 2810mm
	1600mm MBT	< 35.1m	1220mm	- 1760mm	- 2840mm
	1829mm MBT	≤ 38.1m		- 2100mm	- 3180mm
I-BEAM		12.2m	840mm	- 790mm	- 1870mm
		13.7m	▲	- 930mm	- 2010mm
		15.2m	↓	- 990mm	- 2070mm
		16.8m	↓	- 1020mm	- 2100mm
		18.3m	↓	- 1060mm	- 2140mm
		19.8m	↓	- 1110mm	- 2190mm
		21.3m	↓	- 1170mm	- 2250mm
		22.9m	↓	- 1200mm	- 2280mm
		24.4m	▼	- 1200mm	- 2280mm
		25.9m	840mm	- 1240mm	- 2320mm
PLATE GIRDER		27.4m	1220mm	- 1330mm	- 2410mm
		30.5m	▲	- 1480mm	- 2560mm
		33.5m	↓	- 1660mm	- 2740mm
		36.6m	↓	- 1800mm	- 2880mm
		39.6m	↓	- 1980mm	- 3060mm
		42.7m	↓	- 2110mm	- 3190mm
		45.7m	▼	- 2300mm	- 3380mm
		48.8m	1220mm	- 2440mm	- 3520mm

+VALUES INCREASE BRIDGE LENGTH

- VALUES DECREASE BRIDGE LENGTH

DIM.A- FOR HYDRAULICS UNIT'S USE IN SETTING BRIDGE LENGTH

DIM.A OR C- FOR STRUCTURE DESIGN UNIT'S USE IN SETTING STATION OF FRONT SLOPE

* IF PROPOSED SPAN LENGTH EXCEEDS SPAN LENGTH SHOWN BY 1.520 METERS OR LESS,
CONSULT WITH SDU PROJECT ENGINEER.

STREAM CROSSING
DETAILS FOR 300mm MIN. BERM

FIGURE 11 - 3 M