SPAN TYPE		SPAN LENGTH	DIM. B	DIM. A	DIM. C
PRESTRESSED	18" CORED SLAB	< 45'	2'-9"	- 2.8	- 6.5'
	21" CORED SLAB	< 55'	↑	- 3.2'	- 6.9'
	24" CORED SLAB	≤ 70'		- 3.6'	- 7.4'
	33" BOX BEAM*	≤ 90'		- 4.8'	- 8.5'
	39" BOX BEAM*	≤ 100'		- 5.6'	- 9.4'
	36" GIRDER*	≤ 55'		- 6.5'	- 10.3'
	45" GIRDER*	≤ 75'	↓	- 7.6'	- 11.4'
	54" GIRDER*	< 100'	2'-9"	- 8.8'	- 12.5'
	63" MBT	< 115'	4'-0"	- 8.9'	- 12.6'
	72" MBT	≤ 125'	4'-0"	- 9.9'	- 13.5'
I-BEAM		40'	2'-9"	- 5.4'	- 9.1'
		45'	↑	- 5.8'	- 9.5'
		50'		- 6.0'	- 9.7'
		55'		- 6.1'	- 9.8'
		60'		- 6.3'	- 10.0'
		65'		- 6.5'	- 10.2'
		70'		- 6.6'	- 10.3'
		75'		- 6.8'	- 10.5'
		80'	↓	- 6.8'	- 10.5'
		85'	2'-9"	- 6.9'	- 10.6'
PLATE GIRDER		90'	4'-0"	- 8.4'	- 12.1'
		100'	↑	- 8.9'	- 12.6'
		110'		- 9.5'	- 13.2'
		120'		- 9.9'	- 13.6'
		130'		- 10.5'	- 14.2'
		140'		- 11.0'	- 14.7'
		150'	↓	- 11.6'	- 15.3'
		160'	4'-0"	- 12.1'	- 15.8'

+ 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 SMU PROJECT ENGINEER.

STREAM CROSSING
DETAILS FOR 1'-0" MIN. BERM
4'-0" DEEP CAP, 1½:1 SLOPE

FIGURE 11 – 3a

SPAN TYPE		SPAN LENGTH	DIM. B	DIM. A	DIM. C
PRESTRESSED	457mm CORED SLAB	< 13.7m	840mm	- 840mm	- 1920mm
	533mm CORED SLAB	< 16.8m	↑	- 950mm	- 2030mm
	610mm CORED SLAB	≤ 21.3m		- 1110mm	- 2190mm
	838mm BOX BEAM*	≤ 27.4m		- 1450mm	- 2530mm
	991mm BOX BEAM*	≤ 30.5m		- 1720mm	- 2800mm
	914mm GIRDER*	≤ 16.8m		- 1980mm	- 3060mm
	1143mm GIRDER*	≤ 22.9m	↓	- 2330mm	- 3410mm
	1372mm GIRDER*	< 30.5m	840mm	- 2690mm	- 3770mm
	1600mm MBT	< 35.1m	1220mm	- 2670mm	- 3750mm
	1829mm MBT	≤ 38.1m		- 3010mm	- 4090mm
I-BEAM		12.2m	840mm	- 1640mm	- 2780mm
		13.7m	↑	- 1780mm	- 2920mm
		15.2m		- 1840mm	- 2980mm
		16.8m		- 1870mm	- 3010mm
		18.3m		- 1910mm	- 3050mm
		19.8m		- 1960mm	- 3100mm
		21.3m		- 2020mm	- 3160mm
		22.9m		- 2050mm	- 3190mm
		24.4m	↓	- 2050mm	- 3190mm
		25.9m	840mm	- 2090mm	- 3230mm
PLATE GIRDER		27.4m	1220mm	- 2560mm	- 3700mm
		30.5m	↑	- 2710mm	- 3850mm
		33.5m		- 2890mm	- 4030mm
		36.6m		- 3030mm	- 4170mm
		39.6m		- 3210mm	- 4350mm
		42.7m		- 3340mm	- 4480mm
		45.7m	↓	- 3530mm	- 4670mm
		48.8m	1220mm	- 3670mm	- 4810mm

+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 SMU PROJECT ENGINEER.

STREAM CROSSING
DETAILS FOR 300mm MIN. BERM
1.220m DEEP CAP, 1 1/2:1 SLOPE

FIGURE 11 – 3a M