

Note to Designer:
The information presented in this Standard Detail has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	Original Issue	S.U.H.	2-12
2	Added 3'-4.5' height for existing box extensions only	D.B.B.	5-15
3			
4			

DIMENSIONS

Span	Hgt.	0° Skew		5° Skew					10° Skew					15° Skew					20° Skew				25° Skew				30° Skew				35° Skew				40° Skew				45° Skew			
		A	B	C	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D			
		3'	9'-10 1/2"	4'-8 1/4"	3'-7 1/4"	10'-0 1/2"	4'-8 1/2"	2'-8 3/4"	4'-8 3/4"	10'-1 1/4"	10'-1 1/4"	4'-9 1/8"	1'-9 3/8"	5'-8 1/4"	9'-10 1/2"	10'-1 1/8"	4'-10 1/8"	10'-1 1/8"	6'-11 1/8"	9'-10 1/2"	10'-0"	4'-11 3/8"	8'-2 1/2"	9'-9 3/4"	9'-0"	5'-2 1/2"	9'-6 1/2"	9'-6 1/2"	8'-6"	5'-6 1/8"	10'-11 1/8"	9'-2 1/4"	7'-6"	5'-10 1/8"	12'-4 1/2"	8'-8 1/4"	7'-0"	6'-4 1/2"	14'-4 1/2"	8'-3 1/2"	7'-0"	6'-11 1/8"

QUANTITIES

Span	Hgt.	0° Skew		5° Skew				10° Skew				15° Skew				20° Skew				25° Skew				30° Skew				35° Skew				40° Skew				45° Skew				
		Conc. C.Y.		Steel lbs.		Conc. C.Y.		Steel lbs.		Conc. C.Y.		Steel lbs.		Conc. C.Y.		Steel lbs.		Conc. C.Y.		Steel lbs.		Conc. C.Y.		Steel lbs.		Conc. C.Y.		Steel lbs.		Conc. C.Y.		Steel lbs.		Conc. C.Y.		Steel lbs.				
		IBbl.	Δc	IBbl.	Δs	IBbl.	Δc	IBbl.	Δs	IBbl.	Δc	IBbl.	Δs	IBbl.	Δc	IBbl.	Δs	IBbl.	Δc	IBbl.	Δs	IBbl.	Δc	IBbl.	Δs	IBbl.	Δc	IBbl.	Δs	IBbl.	Δc	IBbl.	Δs							
3'	0.41	1.46	46	122	0.42	1.49	48	124	0.42	1.49	42	124	0.45	1.52	52	126	0.50	1.55	57	128	0.88	1.52	86	128	1.23	1.53	113	129	1.59	1.51	140	128	1.97	1.54	173	132	2.36	1.62	206	139

Δc = Apron concrete quantity per additional barrel.

Δs = Apron steel quantity per additional barrel.

DESIGN APPROVED <i>Celina Aman</i>		ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP STRUCTURE DETAIL	
APPROVED FOR DISTRIBUTION <i>[Signature]</i>		REINFORCED CONCRETE BOX CULVERTS OUTLET APRON - DIMENSIONS & QUANTITIES (4 : 1 SLOPE)	
ROUTE	PROJECT NO.	FA NO.	DRAWING NO. SD 6.11 (3 of 4)
LOCATION	SHEET NO.		OF