

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 applications 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	DATE	DESCRIPTION OF REVISIONS
1	2-12	Original Issue
2	5-15	Added 3'-4.5' height for existing box extensions only
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	A	B	C	D
		6'	3'	6'-7 1/2"	4'-8 1/4"	2'-4 1/4"	6'-8"	4'-8 1/2"	1'-9 3/4"	3'-0 1/2"	6'-6 1/4"	6'-8"	4'-9 1/4"	1'-2 1/2"	3'-11 1/4"	6'-9 3/4"	6'-1 1/4"	4'-10 1/8"	6 3/4"	4'-7 3/4"	6'-7 1/8"	6'-0"	4'-11 3/4"	5'-7 1/2"	6'-8 1/2"	6'-0"	5'-2 1/2"	6'-8 1/8"	6'-8 1/8"	5'-6"	5'-6 1/2"	7'-10 1/8"	6'-7 3/4"	5'-6"	5'-10 1/8"	9'-1 1/2"	6'-4 3/4"	5'-0"	6'-4 1/2"	10'-10 1/8"	6'-3 1/2"	5'-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.				
		6'	3'	0.44	1.05	22	91	0.44	1.05	22	91	0.46	1.08	25	94	0.50	1.06	27	92	0.55	1.08	33	94	0.77	1.13	52	98	1.03	1.13	73	99	1.27	1.18	95	104	1.58	1.22	123	108	1.84	1.28

Δc = Apron concrete quantity per additional barrel. Δs = Apron steel quantity per additional barrel.

NOTE:

For General Notes, Dimensions, and additional Details, see SD 6.01 (1 & 2 of 5). For Outlet Apron Details see SD 6.11 (1 of 4).

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 (2 : 1 SLOPE)	
ROUTE	PROJECT NO.	FA NO.	DRAWING NO. SD 6.11 (2 of 4)
LOCATION			SHEET NO. OF