



Table 1
Construction Cost Estimates Summary

Major Basin	Basin 10		
Alternative	Conveyance	Detention	Local
Item	Total Cost (\$)	Total Cost (\$)	Total Cost (\$)
Channels	-	-	-
Culverts	1,655,000	857,000	307,088
Drop Structures	-	-	-
Detention Facilities	-	-	-
Bridges	-	-	-
Leeves	-	-	-
Sub-Total (Rounded)	\$1,655,000	\$857,000	\$307,000
30% Construction Contingency	\$496,500	\$257,100	\$92,100
15% Engineering Contingency	\$248,250	\$128,550	\$46,050
Total (Rounded)	\$2,400,000	\$1,243,000	\$445,000



**Table 7-1-CU
Culvert Cost Estimate**

Major Basin 10 Alternative - Conveyance

Design Point	Road Crossing	Channel and Reach	Existing Size	Future 100-yr Flow (cfs)	Necessary Facility for Future 100-year Flow	Number of Culverts	Culvert Length (ft) ¹	Unit Cost (\$)	End Section Unit Cost (\$)	Total Cost (\$)
10-201	4-J Rd.	Upper Donkey Creek Tributary 1000	RCP 2-86"	3250	3-12'x10' CBC	3	150	1,400	40,000	670,000
10-202	Southern Dr.	Upper Donkey Creek Tributary	2-CMP 96", 1-CMP 84"	3129	3-12'x10' CBC	3	225	1,400	40,000	985,000

¹ Length is based on Future Land Use Road widths

Sub-Total \$1,655,000

**Table 7-2-CU
Culvert Cost Estimate**

Major Basin 10 Alternative - Detention

Facility Number	Road Crossing	Channel and Reach	Existing Size	Future 100-yr Flow (cfs)	Necessary Facility for Future 100-year Flow	Number of Culverts	Culvert Length (ft) ¹	Unit Cost (\$)	End Section Unit Cost (\$)	Total Cost (\$)
10-201	4-J Rd.	Upper Donkey Creek Tributary 1000	RCP 2-86"	1118	Add 2-84" RCP	2	150	490	40,000	187,000
10-202	Southern Dr.	Upper Donkey Creek Tributary	2-CMP 96", 1-CMP 84"	1435	2- 12' x 7' CBC	2	225	1,400	40,000	670,000

Sub-Total \$857,000

**Table 7-2-CU
Culvert Cost Estimate**

Major Basin 10 Alternative - Local

Facility Number	Road Crossing	Channel and Reach	Existing Size	Future 100-yr Flow (cfs)	Necessary Facility for Future 100-year Flow	Number of Culverts	Culvert Length (ft) ¹	Unit Cost (\$)	End Section Unit Cost (\$)	Total Cost (\$)
10-210	U.S. Highway 50	Upper Donkey Creek Tributary 1001	RCP 45"x32" elliptical	170	2- 4'x3' CBC	2	90	332	40,000	99,760
10-220	Bunny Ln.	Upper Donkey Creek Tributary 1002	No culvert	150	RCP 24"	1	40	59	40,000	42,367
10-221	Southern Dr.	Upper Donkey Creek Tributary 1002	CMP 36"	153	60" RCP	1	350	204	40,000	111,542
10-230	Southern Dr.	Upper Donkey Creek Tributary 1003	CMP 24"	65	RCP 36"	1	140	96	40,000	53,419

Sub-Total \$307,088