



Table 1
Construction Cost Estimates Summary

Major Basin		Basin 11
Alternative		Local
Item	Total Cost (\$)	
Channels	-	
Culverts	802,810	
Drop Structures	-	
Detention Facilities	-	
Bridges	-	
Leeves	-	
Sub-Total (Rounded)		\$803,000
30% Construction Contingency		\$240,900
15% Engineering Contingency		\$120,450
Total (Rounded)		\$1,164,000



**Table 7-1-CU
Culvert Cost Estimate
Major Basin 11 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 (\$)
11-211	Railroad & Echeta Rd	Tributary 1104	36" CMP, 123.4'	79	Add 1- 36" CMP	1	125	102	2,200	14,950
11-212	Railroad & Echeta Rd	Tributary 1102	42" CMP, L= 155.8'	399	12"x5' CBC	1	155	1,300	40,000	241,500
11-221	Railroad & Echeta Rd	Tributary 1106	No structure, L= 320'	54	42" RCP	1	320	122	2,600	41,640
11-203	I-90	Tributary 1102	3-54" CMP	519	2-12"x4' CBC	2	172	1,300	40,000	487,200
11-210	Centennial Dr.	Tributary 1102	18" CMP	245	Add 24" RCP	1	60	62	1,400	5,120
11-220	Centennial Dr.	Tributary 1104	No structure	25	36" RCP	1	100	102	2,200	12,400

Sub-Total \$802,810