

**Appendix E**  
**100-year Peak Flows by Region**

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**Table E-1. Region 4 – 99th Avenue to SR 202L traffic interchange**

Concentration Point	100-year 6-hour Peak (cfs)
67th Avenue	444
75th Avenue	795
83rd Avenue	827
87th Avenue	966
91st Avenue	964

**Table E-2. Region 3 – Agua Fria River to 99th Avenue**

South Alternative		North Alternative		Center Alternative		Hybrid Alternative	
Concentration Point	100-year 6-hour Peak (cfs)	Concentration Point	100-year 6-hour Peak (cfs)	Concentration Point	100-year 6-hour Peak (cfs)	Concentration Point	100-year 6-hour Peak (cfs)
99th Avenue	73	107th Avenue	247	99th Avenue (north)	247	99th Avenue (north)	247
Intermediate culvert	307	Avondale Boulevard	692	99th Avenue (south)	125	99th Avenue (south)	125
107th Avenue	353	West of DRCC	82	107th Avenue (north)	695	107th Avenue (north)	695
El Mirage Road	204	East of DRCC	658	107th Avenue (south)	477	107th Avenue (south)	477
Dysart Road	71	El Mirage Road	276	Avondale Boulevard (north)	1,026	Avondale Boulevard (north)	1,693
		Dysart Road	479	Avondale Boulevard (south)	667	DRCC confluence	1,693
		Agua Fria River	147	DRCC confluence	1,133		
				El Mirage Road (north)	2,149		
				El Mirage Road (south)	784		
				Dysart Rd Road (north)	2,792		
				Dysart Rd Road (south)	863		

**Table E-3. Region 2 – Bullard Wash to Agua Fria River**

South Alternative		North Alternative		Center Alternative		Hybrid Alternative	
Concentration Point	100-year 6-hour Peak (cfs)	Concentration Point	100-year 6-hour Peak (cfs)	Concentration Point	100-year 6-hour Peak (cfs)	Concentration Point	100-year 6-hour Peak (cfs)
99th Avenue	73	107th Avenue	247	99th Avenue (north)	247	99th Avenue (north)	247
Intermediate culvert	307	Avondale Boulevard	692	99th Avenue (south)	125	99th Avenue (south)	125
107th Avenue	353	West of DRCC	82	107th Avenue (north)	695	107th Avenue (north)	695
El Mirage Road	204	East of DRCC	658	107th Avenue (south)	477	107th Avenue (south)	477
Dysart Road	71	El Mirage Road	276	Avondale Blvd (north)	1,026	Avondale Boulevard (north)	1,693
		Dysart Road	479	Avondale Blvd (south)	667	DRCC Confluence	1,693
		Agua Fria River	147	DRCC confluence	1,133		
				El Mirage Road (north)	2,149		
				El Mirage Road (south)	784		
				Dysart Road (north)	2,792		
				Dysart Road (south)	863		

**Table E-4. Region 1 – MC 85 to Bullard Wash**

Concentration Point	100-year 24-hour Peak (cfs)
Loop 303 Outfall	429
Cotton Lane	207
Sarival Avenue	214
Estrella Parkway	75
Bullard Wash	350
Bullard Avenue	313