

Table 11
UMR Comprehensive Plan
Quincy Bridge (West Quincy, Fabius LDD) Detour Costs

Analysis of Average Annual Traffic					VEHICLE OPER. COSTS			OPPORTUNITY TIME COSTS		
<u>Quincy Bridge</u>					Cross- River Detour Distance (B)	Operating Cost Per Mile (\$) (C)	Additional Operating Cost Per Year (\$) (A x B x C)	Traveler Time Per Trip in Hours (d/r=t) (D)	Time Cost Per Hour (\$) (E)	Opportunity Time Cost Per Hour (\$) (A x D x E)
<u>EXISTING CONDITION</u>										
Average Daily Traffic	Detour Days Per Overtop Event	Average Daily Bridge Trips	Total Trips Detoured (A)							
Avg Daily Traffic	17,900									
Passenger Cars	80%	90	14,320	1,288,800	140	0.35	63,151,200	4.667	7.32	44,025,408
All Other Vehicles	20%	90	3,580	322,200	140	1.13	50,972,040	4.667	16.00	24,057,600
Total Number of Trips =		17,900	1,611,000		Add. Oper. Costs =		114,123,240			68,083,008
Total Cost for 90-Day Detour \$										182,206,248