

TECHNICAL APPENDIX E
MODEL RESULTS: CONGESTED DELAY

Total Vehicle Hours of Congested Delay

AM Peak Hour						
Scenario	Regional		Local		Total	
	Hours	% Diff	Hours	% Diff	Hours	% Diff
No Build	1,885	N/A	743	N/A	2,627	N/A
Spot Improvements	717	-62%	460	-38%	1,177	-55%
Concept 1 Only	892	-53%	580	-22%	1,472	-44%
Concept 2 Only	1,142	-39%	690	-7%	1,832	-30%
Concept 3 Only	926	-51%	659	-11%	1,585	-40%
Concept 4 Only	725	-62%	478	-36%	1,203	-54%
Concepts 1 & 2	692	-63%	531	-28%	1,223	-53%
Concepts 1 & 3	737	-61%	696	-6%	1,433	-45%
Concepts 1 & 4	778	-59%	633	-15%	1,411	-46%
Concepts 2 & 3	624	-67%	798	8%	1,423	-46%
Concepts 2 & 4	764	-59%	357	-52%	1,121	-57%
Concepts 3 & 4	730	-61%	542	-27%	1,271	-52%
Concepts 1, 2 & 3	781	-59%	534	-28%	1,315	-50%
Concepts 1, 2 & 4	795	-58%	596	-20%	1,391	-47%
Concepts 1, 3 & 4	608	-68%	696	-6%	1,304	-50%
Concepts 2, 3 & 4	788	-58%	710	-4%	1,498	-43%
Concepts 1, 2, 3 & 4	699	-63%	645	-13%	1,344	-49%
Transit North	860	-54%	473	-36%	1,333	-49%
Transit South	843	-55%	473	-36%	1,316	-50%

PM Peak Hour						
Scenario	Regional		Local		Total	
	Hours	% Diff	Hours	% Diff	Hours	% Diff
No Build	1,644	N/A	521	N/A	2,165	N/A
Spot Improvements	878	-47%	554	6%	1,432	-34%
Concept 1 Only	1,119	-32%	712	37%	1,830	-15%
Concept 2 Only	1,142	-31%	559	7%	1,701	-21%
Concept 3 Only	1,262	-23%	885	70%	2,147	-1%
Concept 4 Only	1,043	-37%	502	-4%	1,545	-29%
Concepts 1 & 2	1,207	-27%	1,171	125%	2,378	10%
Concepts 1 & 3	1,283	-22%	1,058	103%	2,341	8%
Concepts 1 & 4	1,407	-14%	1,078	107%	2,485	15%
Concepts 2 & 3	1,203	-27%	1,162	123%	2,365	9%
Concepts 2 & 4	1,047	-36%	574	10%	1,621	-25%
Concepts 3 & 4	1,269	-23%	891	71%	2,161	0%
Concepts 1, 2 & 3	1,178	-28%	1,269	144%	2,447	13%
Concepts 1, 2 & 4	1,227	-25%	944	81%	2,171	0%
Concepts 1, 3 & 4	1,314	-20%	963	85%	2,277	5%
Concepts 2, 3 & 4	1,222	-26%	1,034	98%	2,256	4%
Concepts 1, 2, 3 & 4	1,245	-24%	1,011	94%	2,256	4%
Transit North	1,051	-36%	536	3%	1,587	-27%
Transit South	1,038	-37%	533	2%	1,571	-27%