Control Measure		Davidson	Rutherford	Sumner	Williamson	Wilson	Cheatham	Dickson	Robertson	Total
LOCAL MEASURES										
HOV Lane Expansion	NOx	0.0255	0.0105							**0.0360**
	VOC	0.0329	0.0136							**0.0465**
Based on 3 projects already in TIP	CO	0.3719	0.1531							**0.5250**
for Davidson & Rutherford counties	PM2.5	0.0004	0.0001							**0.0005**
Rideshare Programs	NOx	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	**0.0077**
	VOC	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	**0.0101**
Assumes 10% increase in vanpooling	CO	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	**0.1101**
over current RTA/TMA Group ridership	PM2.5	0	0	0	0	0	0	0	0	**0.0001**
Traffic Signal Synchronization	NOx	0.0910	0.1500	0.1300	0.0700	0.0600				**0.5010**
	VOC	0.1079	0.2000	0.1500	0.0900	0.0700				**0.6179**
Based on miles of urban arterials	CO	0.6786	1.2200	0.9000	0.5700	0.4200				**3.7886**
that aren't already synchronized	PM2.5									**0.0000**
New Greenways/Bikeways	NOx	0.0097	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	**0.0608**
	VOC	0.0123	0.0092	0.0092	0.0092	0.0092	0.0092	0.0092	0.0092	**0.0766**
Based on 20,000 nonwork trips/day (~ 0.5%)	CO	0.1400	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	**0.8750**
shifted from auto, at about 1.9 miles each	PM2.5	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	**0.0008**
Reduce School Bus Idling	NOx	0.0073					0.0012	0.0012	0.0013	**0.0110**
(adopted separately by 4 counties)	VOC	0.0009					0.0001	0.0001	0.0001	**0.0012**
Assumes each county reduces	CO	0.0070					0.0011	0.0011	0.0012	**0.0104**
bus idling time by 30 minutes/day	PM2.5	0.0004					0.0001	0.0001	0.0001	**0.0007**
New Rail Service	NOx	0.0205				0.0205				**0.0410**
	VOC	0.0370				0.0370				**0.0740**
Based on RTA daily ridership projections for	CO	0.4200				0.4200				**0.8400**
East Corridor, minus locomotive emissions	PM2.5	0.0000				0.0000				**0.0000**
Land Use Controls to Reduce VMT	NOx	0.2600	0.0900	0.0400	0.0500	0.0500	0.0300	0.0300	0.0600	**0.6100**
	VOC	0.1100	0.0300	0.0200	0.0200	0.0200	0.0100	0.0200	0.0200	**0.2500**
Assumes 0.5% reduction in VMT by 2007	CO	1.3400	0.3600	0.2100	0.2600	0.2100	0.1300	0.1600	0.2100	**2.8800**
	PM2.5	0.0049	0.0015	0.0009	0.0010	0.0010	0.0005	0.0005	0.0009	**0.0112**
Air Quality Action Day measures	NOx	0.5100	0.1700	0.0800	0.1100	0.1100				**0.9800**
	VOC	0.2200	0.0600	0.0400	0.0400	0.0300				**0.3900**
Assumes 1% reduction in VMT	CO	2.6800	0.7200	0.4100	0.5100	0.4300				**4.7500**
	PM2.5	0.0098	0.0030	0.0018	0.0020	0.0020				**0.0186**
ADDITIONAL LOCAL MEASURES IN DAVIDSON COUNTY ONLY										
Trip Reduction Plans	NOx	0.0398								**0.0398**
	VOC	0.0510								**0.0510**
Eliminating 1,000 two-way commutes a day	CO	0.5775								**0.5775**
	PM2.5	0.0005								**0.0005**
Improve Bus Ridership	NOx	0.0100								**0.0100**
	VOC	0.0120								**0.0120**
Assumes 10% increase in MTA ridership	CO	0.1400								**0.1400**
over current 16,000 passengers per day	PM2.5	0.0001								**0.0001**
Roadside Assistance Programs	NOx	0.0310								**0.0310**
	VOC	0.0310								**0.0310**
Based on congestion reduced by	CO	0.3330								**0.3330**
TDOT Help Trucks (Davidson Co. only)	PM2.5	0.0006								**0.0006**
Elevated Point Source Controls	NOx	2.1200								**2.1200**
	VOC	0.0217								**0.0217**

Shutdown of 1 existing glass furnace	CO	0.0071								**0.0071**
Further Controls on Open Burning	NOx	0.1114								**0.1114**
Restrict open burning of land clearing	VOC	0.4234								**0.4234**
material on air quality action days	CO	3.0000								**3.0000**
WOULD REQUIRE STATE ACTION										
More Stringent I&M	NOx	0.6500	0.3000	0.1800	0.2100	0.1700	0.3100	0.4000	0.4700	**2.6900**
	VOC	0.9500	0.4000	0.2500	0.2800	0.2300	0.6000	0.8100	0.8100	**4.3300**
Except for Davidson,	CO	9.5500	4.6100	2.7000	3.2200	2.7100	7.4200	9.2600	11.0300	**50.5000**
would require state action (TDEC)	PM2.5	0	0	0	0	0	0	0	0	**0.0000**
Lower Speed Limits on Interstates	NOx	3.0100	1.6100	0.3500	0.8500	0.9000	0.8400	0.7400	1.9300	**10.2300**
	VOC	-0.0800	-0.0200	0.0000	-0.0100	-0.0100	-0.0300	-0.0300	-0.0400	**-0.2200**
Would require state action (TDOT)	CO	4.3600	1.5100	0.3100	0.8200	0.7800	0.9600	0.8500	1.9800	**11.5700**
Assumes 55 mph for trucks	PM2.5	0	0	0	0	0	0	0	0	**0.0000**
Cetane Additives to Diesel Fuel	NOx	0.0880	0.3300	0.1500	0.2000	0.2200	0.1200	0.1100	0.2600	**1.4780**
	VOC									**0.0000**
Assumes 10% of current trucks	CO									**0.0000**
will switch to diesel fuel with cetane	PM2.5									**0.0000**
Totals	**NOx**	6.9852	2.6688	0.9383	1.4983	1.5388	1.3095	1.2895	2.7296	**18.9577**
	VOC	1.9314	0.6940	0.4704	0.4304	0.3874	0.5905	0.8105	0.8005	**6.1154**
	CO	23.6189	8.6919	4.6488	5.4988	5.0888	8.6299	10.3899	13.3400	**79.9067**
	PM2.5	0.0169	0.0047	0.0028	0.0031	0.0031	0.0007	0.0007	0.0011	**0.0331**
% Total Reductions	**NOx**	2.49%	0.95%	0.34%	0.54%	0.55%	0.47%	0.46%	0.97%	**6.77%**
	VOC	0.84%	0.30%	0.20%	0.19%	0.17%	0.26%	0.35%	0.35%	**2.65%**
	CO	2.12%	0.78%	0.42%	0.49%	0.46%	0.77%	0.93%	1.20%	**7.17%**
	PM2.5	0.03%	0.01%	0.01%	0.01%	0.01%	0.00%	0.00%	0.00%	**0.07%**