APPENDIX E
TRAVEL TIME DATA

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 1:00:15 PM

Travel Time & Delay Report for US 278

Legend:

CTT:

Summarized Cumulative Travel Time since beginning of Run (seconds)

CD:

Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

CStopD:

Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CAS:

Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

CStops:

Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

Cumulative Summary of runs Eastbound from Hampton Parkway (#13)

28 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:41:11 AM to 6:09:59 PM

27 After-type runs, 5 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 7:01:59 AM to 6:12:08 PM

	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)					
Average Before (n=28)	808	215	164	36.8	3.8
Minimum Before (n=28)	612	19	36	21.0	2.0
85th Percentile Before (n=28)	848	255	191	41.3	5.0
Maximum Before (n=28)	1370	778	719	47.1	7.0
Std Dev Before (n=28)	171	171	167	5.9	1.5
Average After (n=27)	670	78	58	43.5	1.9
Minimum After (n=27)	569	-23	0	32.5	0.0
85th Percentile After (n=27)	747	154	115	47.9	3.0
Maximum After (n=27)	887	294	255	50.6	5.0
Std Dev After (n=27)	81	81	63	4.9	1.4
Difference	-138	-138	-106	6.7	-1.9
Difference Minimum	-42	-42	-36	11.4	-2.0
Difference 85th Percentile	-101	-101	-75	6.6	-2.0
Difference Maximum	-484	-484	-464	3.5	-2.0
Std Dev Difference	190	190	179	7.7	2.0
% Difference	-17%	-64%	-65%	18.3%	-51.1%

Cumulative Summary of runs Westbound from Moss Creek (#1)

31 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:52:07 AM to 6:17:25 PM

27 After-type runs, 5 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 6:48:42 AM to 5:58:19 PM

	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)					
Average Before (n=31)	670	92	67	43.6	2.0
Minimum Before (n=31)	537	-42	0	33.9	0.0
85th Percentile Before (n=31)	742	163	115	48.9	3.0
Maximum Before (n=31)	850	272	218	53.8	4.0
Std Dev Before (n=31)	*75*	*75*	*51*	*5.0*	*1.3*
Average After (n=27)	682	104	68	42.7	2.8
Minimum After (n=27)	561	-18	0	34.4	0.0
85th Percentile After (n=27)	748	170	104	47.4	4.0
Maximum After (n=27)	840	261	213	51.4	6.0
Std Dev After (n=27)	*71*	*71*	*53*	*4.4*	*1.7*
Difference	12	12	2	-0.9	0.7
Difference Minimum	24	24	0	0.4	0.0
Difference 85th Percentile	6	6	-11	-1.4	1.0
Difference Maximum	-11	-11	-5	-2.4	2.0
Std Dev Difference	*103*	*103*	*74*	*6.7*	*2.1*
% Difference	2%	13%	2%	-2.0%	36.7%

Cumulative Summary of all runs, either direction through artery

59 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:50:48 AM to 6:28:34 PM

54 After-type runs, 10 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 6:57:07 AM to 6:21:14 PM

	CTT	CD	CStopD	CAS	CStops
to End of Artery					
Average Before (n=59)	736	150	113	40.4	2.9
Minimum Before (n=59)	537	-42	0	33.9	0.0
85th Percentile Before (n=59)	742	163	115	48.9	3.0
Maximum Before (n=59)	850	272	218	53.8	4.0
Std Dev Before (n=59)	*146*	*143*	*130*	*6.4*	*1.6*
Average After (n=54)	676	91	63	43.1	2.3

Minimum After (n=54)	561	-18	0	34.4	0.0
85th Percentile After (n=54)	748	170	104	47.4	4.0
Maximum After (n=54)	840	261	213	51.4	6.0
Std Dev After (n=54)	76	77	58	4.6	1.6
Difference	-59	-60	-50	2.8	-0.5
Difference Minimum	24	24	0	0.4	0.0
Difference 85th Percentile	6	6	-11	-1.4	1.0
Difference Maximum	-11	-11	-5	-2.4	2.0
Std Dev Difference	165	162	142	7.9	2.3
% Difference	-8%	-40%	-44%	6.8%	-19.2%

Travel Time & Delay Report for US 278

Legend:

TT:
Travel Time from previous Node (seconds)

CTT:
Cumulative Travel Time since beginning of Run (seconds)

Delay:
Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Contents:

[-] Collapse All

[-] After-type Trip Log "Trip #14", AM-period, started Tuesday 6/5/2018 6:53:44 AM ↑Contents

Entered artery 7:08:11 am (868 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	89	89	31	31	9	9	36.1	36.1	1	1	3.29	0.15	1.75	247.6	84.78
to Bluffton Fire (#14)	35	124	3	34	0	9	50.4	40.2	0	1	2.04	0.11	1.07	137.2	47.11
to Rose Hill Way (#10)	80	204	3	36	0	9	53.0	45.2	0	1	3.75	0.18	1.97	263.5	90.22
to Belfair Plantation (#9)	46	250	0	36	0	9	55.2	47.0	0	1	2.86	0.13	1.53	192.9	65.87
to Belfair Towne Village (#8)	72	322	-6	30	0	9	48.6	47.4	0	1	2.20	0.11	1.21	180.1	61.71
to Crescent Drive (#7)	74	396	16	47	0	9	35.1	45.1	0	1	2.01	0.10	1.13	173.2	59.40
to Home Depot (#6)	34	431	0	47	0	9	44.8	45.0	0	1	1.63	0.07	0.94	123.9	42.31
to Trimblestone Road (#5)	31	462	-4	43	0	9	50.7	45.4	0	1	1.04	0.05	0.62	88.4	30.27
to Sawmill Creek Road (#4)	45	506	-9	34	0	9	54.4	46.2	0	1	2.01	0.09	1.17	155.7	53.23
to Colleton River Road (#3)	43	549	10	43	0	9	34.8	45.3	0	1	0.75	0.04	0.41	75.2	25.90
to Tanger Outlet #2 (#2)	46	595	-4	39	0	9	49.0	45.6	0	1	2.08	0.10	1.20	159.5	54.51
to Moss Creek (#1)	39	634	2	42	0	9	42.1	45.4	0	1	0.76	0.03	0.43	75.1	25.68

Entered artery 7:45:26 am (3102 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	99	99	40	40	24	24	32.7	32.7	1	1	4.11	0.19	1.97	267.5	91.59
to Bluffton Fire (#14)	33	132	1	42	0	24	53.2	37.8	0	1	1.60	0.09	0.86	114.0	39.24
to Rose Hill Way (#10)	76	209	-1	41	0	24	55.2	44.2	0	1	3.09	0.15	1.82	247.4	84.68
to Belfair Plantation (#9)	44	253	-2	39	0	24	56.9	46.4	0	1	2.42	0.11	1.35	172.8	59.02
to Belfair Towne Village (#8)	61	313	-18	22	0	24	58.2	48.7	0	1	2.95	0.14	1.60	211.6	72.42
to Crescent Drive (#7)	59	372	1	23	0	24	44.0	48.0	0	1	1.68	0.08	0.96	144.3	49.54
to Home Depot (#6)	33	405	-2	21	0	24	47.3	47.9	0	1	1.37	0.06	0.77	104.4	35.68
to Trimblestone Road (#5)	31	436	-3	18	0	24	50.3	48.1	0	1	1.07	0.05	0.64	90.6	31.02
to Sawmill Creek Road (#4)	44	480	-10	7	0	24	55.5	48.8	0	1	2.04	0.09	1.18	156.2	53.41
to Colleton River Road (#3)	37	517	4	11	0	24	40.4	48.2	0	1	0.80	0.04	0.41	69.7	23.96
to Tanger Outlet #2 (#2)	44	561	-6	5	0	24	51.5	48.4	0	1	1.94	0.09	1.15	152.5	52.07
to Moss Creek (#1)	45	606	8	13	0	24	36.5	47.5	0	1	0.77	0.04	0.38	73.4	25.25

Entered artery 8:17:47 am (5043 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	62	62	4	4	0	0	51.6	51.6	0	0	2.88	0.14	1.60	211.9	72.60
to Bluffton Fire (#14)	31	93	-1	3	0	0	57.4	53.5	0	0	1.74	0.10	0.95	121.3	41.65
to Rose Hill Way (#10)	75	168	-2	1	0	0	56.2	54.7	0	0	3.14	0.15	1.88	252.8	86.43
to Belfair Plantation (#9)	47	216	1	2	0	0	53.6	54.5	0	0	1.70	0.08	1.06	145.9	49.90
to Belfair Towne Village (#8)	78	293	-1	1	0	0	45.3	52.0	0	0	3.47	0.17	1.82	246.4	84.67
to Crescent Drive (#7)	55	349	-2	-1	0	0	46.9	51.2	0	0	1.71	0.08	1.07	153.9	52.68
to Home Depot (#6)	92	441	58	57	55	55	16.7	44.0	1	1	1.19	0.06	0.63	106.0	36.43
to Trimblestone Road (#5)	45	486	11	68	0	55	34.7	43.1	0	1	1.98	0.09	1.00	137.5	47.18
to Sawmill Creek Road (#4)	54	540	0	67	0	55	45.1	43.3	0	1	2.44	0.11	1.40	187.1	63.88
to Colleton River Road (#3)	30	570	-4	64	0	55	50.4	43.7	0	1	1.06	0.05	0.60	84.5	28.90
to Tanger Outlet #2 (#2)	61	631	12	75	12	67	36.7	43.0	1	2	1.49	0.07	0.87	136.3	46.79
to Moss Creek (#1)	51	682	14	89	0	67	32.4	42.2	0	2	2.80	0.12	1.03	142.4	49.09

Entered artery 8:47:49 am (6845 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	90	90	32	32	16	16	35.7	35.7	1	1	3.22	0.15	1.64	235.7	80.71
to Bluffton Fire (#14)	35	125	3	35	0	16	50.3	39.8	0	1	1.98	0.10	1.07	136.8	46.96
to Rose Hill Way (#10)	76	201	-1	34	0	16	55.8	45.8	0	1	3.44	0.17	1.93	257.0	87.97
to Belfair Plantation (#9)	45	246	-1	33	0	16	55.7	47.6	0	1	2.03	0.10	1.13	151.0	51.71
to Belfair Towne Village (#8)	75	321	-3	29	0	16	47.1	47.5	0	1	2.59	0.13	1.39	200.4	68.70
to Crescent Drive (#7)	62	383	4	34	0	16	41.8	46.6	0	1	1.79	0.09	1.01	152.4	52.22
to Home Depot (#6)	31	415	-3	31	0	16	49.3	46.8	0	1	1.17	0.05	0.70	96.8	33.11
to															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Trimblestone Road (#5)	31	446	-3	28	0	16	50.0	47.0	0	1	1.10	0.05	0.67	93.4	31.96
to Sawmill Creek Road (#4)	46	492	-8	19	0	16	53.0	47.6	0	1	1.58	0.08	0.94	133.0	45.56
to Colleton River Road (#3)	31	523	-3	17	0	16	48.6	47.6	0	1	1.00	0.05	0.61	86.5	29.61
to Tanger Outlet #2 (#2)	45	568	-5	12	0	16	49.8	47.8	0	1	1.18	0.06	0.76	114.5	39.18
to Moss Creek (#1)	39	607	3	14	0	16	41.9	47.4	0	1	1.03	0.05	0.61	92.7	31.85

Entered artery 9:19:19 am (8736 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	79	79	21	21	5	5	40.7	40.7	1	1	3.07	0.15	1.56	220.8	75.65
to Bluffton Fire (#14)	34	114	2	23	0	5	51.5	44.0	0	1	1.43	0.08	0.76	104.7	36.02
to Rose Hill Way (#10)	79	193	2	25	0	5	53.4	47.8	0	1	3.62	0.17	2.01	268.2	91.68
to Belfair Plantation (#9)	45	238	-1	24	0	5	55.7	49.3	0	1	1.65	0.08	0.99	137.5	47.04
to Belfair Towne Village (#8)	65	304	-13	12	0	5	53.8	50.3	0	1	2.25	0.11	1.38	193.3	66.16
to Crescent Drive (#7)	57	360	-1	10	0	5	46.0	49.6	0	1	1.59	0.08	0.94	140.6	48.16
to Home Depot (#6)	34	394	-1	10	0	5	45.8	49.3	0	1	0.96	0.04	0.64	92.4	31.57
to Trimblestone Road (#5)	33	426	-2	8	0	5	47.7	49.2	0	1	0.85	0.04	0.58	86.1	29.43
to Sawmill Creek Road (#4)	49	475	-6	2	0	5	50.1	49.3	0	1	1.72	0.08	1.06	147.7	50.53
to Colleton River Road (#3)	31	506	-3	0	0	5	48.5	49.2	0	1	0.81	0.04	0.49	74.5	25.53
to Tanger Outlet #2 (#2)	44	550	-6	-6	0	5	51.1	49.4	0	1	1.29	0.06	0.81	117.5	40.22
to Moss Creek (#1)	38	588	1	-5	0	5	43.8	49.0	0	1	0.81	0.04	0.53	83.7	28.67

[-] After-type Trip Log "Trip #15", Midday-period, started Tuesday 6/5/2018 11:16:41 AM ↑Contents

Entered artery 11:34:06 am (1045 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	131	131	72	72	62	62	24.6	24.6	1	1	2.44	0.12	1.36	208.4	71.51
to Bluffton Fire (#14)	39	170	7	80	0	62	45.1	29.4	0	1	2.59	0.12	1.38	172.1	58.81
to Rose Hill Way (#10)	72	243	-4	75	0	62	58.2	38.0	0	1	3.68	0.18	2.11	273.4	93.52
to Belfair Plantation (#9)	74	317	28	103	19	80	34.1	37.1	1	2	2.12	0.10	1.12	163.2	55.94
to Belfair Towne Village (#8)	72	389	-6	97	0	80	48.6	39.2	0	2	3.28	0.16	1.68	228.4	78.09
to Crescent Drive (#7)	51	440	-7	90	0	80	50.7	40.6	0	2	2.06	0.09	1.26	170.6	58.24
to Home Depot (#6)	31	471	-3	87	0	80	49.8	41.2	0	2	0.57	0.03	0.37	62.4	21.37
to Trimblestone Road (#5)	40	511	5	92	0	80	39.7	41.1	0	2	0.82	0.04	0.50	81.7	28.04
to Sawmill Creek Road (#4)	53	563	-2	90	0	80	46.4	41.6	0	2	1.86	0.08	1.11	155.9	53.30
to Colleton River Road (#3)	31	594	-3	88	0	80	48.7	41.9	0	2	0.92	0.04	0.61	86.9	29.69
to Tanger Outlet #2 (#2)	65	659	15	102	10	90	34.7	41.2	1	3	1.83	0.09	1.01	153.4	52.54
to Moss Creek (#1)	38	697	1	104	0	90	43.4	41.3	0	3	1.48	0.07	0.89	121.0	41.36

Entered artery 12:05:42 pm (2941 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Hall (#12)	84	84	25	25	6	6	38.4	38.4	1	1	3.78	0.23	1.97	259.7	91.19
to Bluffton Fire (#14)	36	120	4	29	0	6	49.3	41.6	0	1	1.72	0.09	0.99	129.3	44.37
to Rose Hill Way (#10)	76	196	-1	28	0	6	55.6	47.1	0	1	3.27	0.15	1.93	258.2	88.28
to Belfair Plantation (#9)	61	257	15	43	0	6	41.5	45.7	0	1	2.57	0.12	1.33	182.8	62.63
to Belfair Towne Village (#8)	87	343	9	52	0	6	40.6	44.4	0	1	2.85	0.13	1.54	225.5	77.20
to Crescent Drive (#7)	57	400	-1	50	0	6	45.8	44.6	0	1	1.76	0.08	1.06	153.8	52.57
to Home Depot (#6)	36	436	2	52	0	6	42.6	44.5	0	1	1.24	0.06	0.70	99.4	34.15
to Trimblestone Road (#5)	32	469	-2	50	0	6	48.4	44.7	0	1	1.08	0.05	0.68	95.4	32.60
to Sawmill Creek Road (#4)	46	514	-9	41	0	6	53.6	45.5	0	1	2.06	0.09	1.21	160.5	54.82
to Colleton River Road (#3)	118	633	85	126	79	85	12.7	39.4	1	2	0.69	0.04	0.32	79.4	27.45
to Tanger Outlet #2 (#2)	66	699	16	142	13	98	34.1	38.9	1	3	2.91	0.14	1.42	195.3	66.89
to Moss Creek (#1)	39	737	2	145	0	98	42.4	39.1	0	3	1.93	0.09	1.04	137.6	47.03

Entered artery 12:42:30 pm (5149 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	64	64	6	6	0	0	50.1	50.1	0	0	8.02	0.22	2.30	266.6	93.30
to Bluffton Fire (#14)	31	96	-1	5	0	0	56.5	52.2	0	0	1.39	0.08	0.84	110.0	37.80
to Rose Hill Way (#10)	76	172	-1	4	0	0	55.4	53.6	0	0	3.12	0.14	1.88	253.3	86.53
to Belfair Plantation (#9)	67	239	21	25	14	14	37.7	49.2	1	1	1.90	0.09	1.06	159.9	54.82
to Belfair Towne Village (#8)	77	316	-1	24	0	14	45.6	48.3	0	1	3.02	0.14	1.65	230.0	78.68
to Crescent Drive (#7)	77	393	19	43	11	25	33.8	45.5	1	2	2.22	0.10	1.29	191.2	65.52
to Home Depot (#6)	40	433	6	49	0	25	38.2	44.8	0	2	1.35	0.06	0.72	105.4	36.12
to Trimblestone Road (#5)	35	468	0	49	0	25	45.3	44.8	0	2	1.09	0.05	0.69	98.9	33.79
to Sawmill Creek Road (#4)	49	517	-5	44	0	25	49.6	45.3	0	2	1.64	0.07	1.01	142.9	48.86
to Colleton River Road (#3)	121	638	88	132	84	110	12.4	39.0	1	3	1.17	0.06	0.64	111.1	38.26
to Tanger Outlet #2 (#2)	54	693	5	137	0	110	41.2	39.2	0	3	2.59	0.12	1.34	179.2	61.38
to Moss Creek (#1)	41	734	5	141	0	110	39.9	39.2	0	3	1.36	0.06	0.76	110.1	37.74

Entered artery 1:11:49 pm (6908 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	129	129	70	70	61	61	25.0	25.0	1	1	2.17	0.11	1.18	201.2	68.98
to Bluffton Fire (#14)	37	165	4	75	0	61	48.5	30.2	0	1	2.45	0.13	1.23	154.1	52.85
to Rose Hill Way (#10)	80	245	3	78	0	61	52.7	37.5	0	1	2.77	0.13	1.66	233.4	79.86
to Belfair Plantation (#9)	61	307	15	93	0	61	41.1	38.2	0	1	2.09	0.10	1.15	165.4	56.71
to Belfair Towne Village (#8)	76	383	-2	91	0	61	46.3	39.8	0	1	3.04	0.14	1.62	224.9	76.97
to Crescent Drive (#7)	63	446	5	96	0	61	41.0	40.0	0	1	1.59	0.07	0.92	144.0	49.34
to Home Depot (#6)	36	482	2	98	0	61	43.0	40.2	0	1	1.84	0.08	0.99	129.4	44.19
to Trimblestone Road (#5)	33	515	-2	96	0	61	47.7	40.7	0	1	0.81	0.04	0.51	78.2	26.80
to Sawmill Creek Road	52	566	-3	94	0	61	47.3	41.3	0	1	1.57	0.07	0.96	138.9	47.58

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
(#4)															
to Colleton River Road (#3)	31	598	-2	92	0	61	47.6	41.6	0	1	0.99	0.05	0.61	87.2	29.82
to Tanger Outlet #2 (#2)	46	644	-3	88	0	61	48.3	42.1	0	1	1.14	0.05	0.71	109.5	37.47
to Moss Creek (#1)	42	687	6	94	0	61	38.7	41.9	0	1	1.48	0.07	0.82	116.3	39.95

[-] After-type Trip Log "Trip #16", PM-period, started Tuesday 6/5/2018 3:41:27 PM ↑Contents

Entered artery 3:59:17 pm (1070 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	126	126	68	68	62	62	25.5	25.5	1	1	3.17	0.16	1.55	222.5	76.30
to Bluffton Fire (#14)	32	159	0	68	0	62	54.9	31.5	0	1	14.18	0.26	2.07	192.5	72.01
to Rose Hill Way (#10)	110	269	33	101	29	90	38.4	34.3	1	2	3.05	0.15	1.71	245.5	84.20
to Belfair Plantation (#9)	50	318	4	105	0	90	50.9	36.9	0	2	3.53	0.28	1.67	204.4	71.66
to Belfair Towne Village (#8)	81	399	2	107	4	95	43.7	38.3	1	3	2.42	0.12	1.37	202.0	69.35
to Crescent Drive (#7)	86	485	28	135	19	114	30.2	36.8	1	4	3.06	0.14	1.55	225.3	77.09
to Home Depot (#6)	35	520	1	136	0	114	44.1	37.3	0	4	1.24	0.06	0.77	106.8	36.49
to Trimblestone Road (#5)	36	556	2	138	0	114	43.1	37.7	0	4	0.79	0.04	0.47	75.9	26.07
to Sawmill Creek Road (#4)	52	608	-3	135	0	114	47.2	38.5	0	4	2.03	0.09	1.26	170.2	58.12
to Colleton River Road (#3)	32	640	-1	134	0	114	46.8	38.9	0	4	0.74	0.04	0.46	72.2	24.73
to Tanger Outlet #2 (#2)	49	689	-1	133	0	114	45.6	39.4	0	4	1.14	0.05	0.70	110.7	37.87
to Moss Creek (#1)	47	737	11	144	0	114	34.8	39.1	0	4	1.22	0.06	0.66	104.4	35.82

Entered artery 4:33:20 pm (3114 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	63	63	4	4	0	0	51.3	51.3	0	0	3.42	0.16	1.87	241.6	82.51
to Bluffton Fire (#14)	31	93	-2	3	0	0	58.2	53.5	0	0	1.56	0.09	0.89	114.8	39.45
to Rose Hill Way (#10)	87	181	11	13	0	0	48.3	51.0	0	0	3.62	0.17	1.97	269.2	92.26
to Belfair Plantation (#9)	50	231	4	18	0	0	50.1	50.8	0	0	2.02	0.09	1.19	162.2	55.42
to Belfair Towne Village (#8)	74	305	-4	13	0	0	47.7	50.0	0	0	2.27	0.11	1.34	195.6	66.99
to Crescent Drive (#7)	62	367	4	17	0	0	42.1	48.7	0	0	1.56	0.07	0.92	142.8	48.96
to Home Depot (#6)	36	403	2	19	0	0	42.5	48.1	0	0	1.22	0.08	0.76	105.3	36.43
to Trimblestone Road (#5)	31	434	-3	16	0	0	49.9	48.3	0	0	1.57	0.08	0.71	96.5	33.03
to Sawmill Creek Road (#4)	46	480	-8	8	0	0	53.0	48.7	0	0	2.12	0.10	1.21	160.2	54.78
to Colleton River Road (#3)	41	521	7	15	0	0	36.6	47.8	0	0	1.13	0.06	0.58	90.4	31.09
to Tanger Outlet #2 (#2)	46	567	-4	11	0	0	48.9	47.9	0	0	1.98	0.09	1.13	152.3	52.05
to Moss Creek (#1)	39	606	2	14	0	0	42.2	47.5	0	0	0.65	0.08	0.40	65.4	24.46

Entered artery 5:06:00 pm (5073 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	137	137	79	79	68	68	23.5	23.5	1	1	2.92	0.14	1.51	220.9	75.81
to Bluffton Fire (#14)	37	174	4	83	0	68	48.6	28.8	0	1	2.35	0.11	1.20	150.9	51.72

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Rose Hill Way (#10)	104	278	27	110	19	86	40.5	33.2	1	2	3.56	0.18	1.94	270.7	92.81
to Belfair Plantation (#9)	47	325	1	111	0	86	53.8	36.1	0	2	3.51	0.16	1.72	213.1	72.79
to Belfair Towne Village (#8)	139	463	60	171	63	150	25.4	32.9	1	3	2.80	0.14	1.50	225.3	77.23
to Crescent Drive (#7)	145	608	87	258	80	230	18.0	29.4	1	4	2.99	0.14	1.53	212.2	72.79
to Home Depot (#6)	37	645	3	261	0	230	41.6	30.1	0	4	1.54	0.07	0.83	114.2	39.04
to Trimblestone Road (#5)	68	713	33	294	25	255	23.1	29.4	1	5	1.92	0.09	0.92	133.9	45.99
to Sawmill Creek Road (#4)	50	763	-5	290	0	255	49.2	30.7	0	5	2.46	0.12	1.35	177.4	60.62
to Colleton River Road (#3)	30	793	-3	287	0	255	49.1	31.4	0	5	0.75	0.04	0.47	72.0	24.69
to Tanger Outlet #2 (#2)	47	840	-3	283	0	255	48.2	32.3	0	5	1.21	0.06	0.75	113.2	38.74
to Moss Creek (#1)	47	887	11	294	0	255	34.9	32.5	0	5	1.23	0.06	0.67	104.7	35.99

Entered artery 5:39:58 pm (7112 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	65	65	6	6	0	0	49.8	49.8	0	0	3.84	0.18	2.05	261.1	89.17
to Bluffton Fire (#14)	31	95	-1	5	0	0	57.8	52.4	0	0	1.39	0.08	0.81	106.2	36.54
to Rose Hill Way (#10)	82	177	5	10	0	0	51.6	52.0	0	0	3.32	0.16	1.82	250.1	85.69
to Belfair Plantation (#9)	53	230	7	17	0	0	47.3	50.9	0	0	2.13	0.10	1.21	166.0	56.77
to Belfair Towne Village (#8)	73	303	-6	11	0	0	48.6	50.4	0	0	2.41	0.11	1.36	196.1	67.12
to Crescent Drive (#7)	71	374	14	25	0	0	36.4	47.7	0	0	1.81	0.09	1.08	166.6	57.15
to Home Depot (#6)	37	411	3	27	0	0	41.6	47.2	0	0	1.22	0.06	0.72	102.5	35.05
to Trimblestone Road (#5)	34	445	-1	27	0	0	46.3	47.1	0	0	1.07	0.05	0.69	97.5	33.30
to Sawmill Creek Road (#4)	50	495	-5	22	0	0	49.2	47.3	0	0	1.79	0.08	1.03	144.9	49.53
to Colleton River Road (#3)	29	524	-4	18	0	0	51.7	47.6	0	0	0.97	0.05	0.58	82.0	28.08
to Tanger Outlet #2 (#2)	43	566	-7	10	0	0	52.5	47.9	0	0	1.72	0.08	1.03	139.2	47.58
to Moss Creek (#1)	56	623	20	30	15	15	29.3	46.2	1	1	1.71	0.08	0.82	126.2	43.33

Entered artery 6:12:08 pm (9041 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	65	65	7	7	0	0	49.3	49.3	0	0	2.59	0.12	1.54	210.4	71.94
to Bluffton Fire (#14)	30	95	-2	4	0	0	59.7	52.6	0	0	3.82	0.16	1.32	148.9	51.72
to Rose Hill Way (#10)	80	176	4	8	0	0	52.5	52.5	0	0	4.10	0.20	2.16	283.5	97.14
to Belfair Plantation (#9)	47	223	1	9	0	0	53.2	52.7	0	0	2.68	0.13	1.41	181.8	62.14
to Belfair Towne Village (#8)	67	290	-12	-2	0	0	52.9	52.7	0	0	3.86	0.16	1.53	207.1	71.45
to Crescent Drive (#7)	60	349	2	0	0	0	43.6	51.2	0	0	1.74	0.09	0.94	141.7	48.72
to Home Depot (#6)	31	380	-3	-3	0	0	49.3	51.0	0	0	1.91	0.09	1.01	127.6	43.57
to Trimblestone Road (#5)	52	433	18	14	11	11	30.0	48.5	1	1	1.27	0.06	0.61	102.3	35.12
to Sawmill Creek Road (#4)	47	480	-7	7	0	11	51.8	48.8	0	1	2.94	0.13	1.55	196.0	66.93
to Colleton River Road (#3)	27	507	-6	1	0	11	55.4	49.1	0	1	1.03	0.05	0.60	82.7	28.30

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	546	-11	-10	0	11	57.6	49.7	0	1	1.88	0.09	1.04	137.7	47.08
to Moss Creek (#1)	48	594	11	1	8	19	34.4	48.5	1	2	1.15	0.06	0.61	98.8	33.98

[-] After-type Trip Log "Trip #17", AM-period, started Wednesday 6/6/2018 6:46:42 AM ↑Contents

Entered artery 7:01:59 am (918 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	110	110	51	51	36	36	29.3	29.3	1	1	2.95	0.14	1.53	222.6	76.30
to Bluffton Fire (#14)	36	146	4	55	0	36	49.0	34.2	0	1	1.95	0.10	1.03	133.8	45.95
to Rose Hill Way (#10)	84	230	7	62	0	36	50.5	40.1	0	1	3.29	0.15	1.76	245.0	83.85
to Belfair Plantation (#9)	47	277	1	63	0	36	53.4	42.4	0	1	2.90	0.13	1.55	196.1	66.96
to Belfair Towne Village (#8)	76	353	-2	61	0	36	46.4	43.2	0	1	2.49	0.12	1.31	192.7	66.04
to Crescent Drive (#7)	54	407	-4	57	0	36	48.0	43.9	0	1	2.10	0.10	1.19	164.7	56.35
to Home Depot (#6)	29	436	-5	53	0	36	52.2	44.4	0	1	1.08	0.05	0.66	90.6	31.00
to Trimblestone Road (#5)	29	466	-5	47	0	36	53.5	45.0	0	1	1.17	0.05	0.68	92.7	31.69
to Sawmill Creek Road (#4)	50	516	-4	43	0	36	48.9	45.4	0	1	1.23	0.06	0.82	124.4	42.55
to Colleton River Road (#3)	35	550	1	44	0	36	43.4	45.3	0	1	0.98	0.05	0.57	85.3	29.31
to Tanger Outlet #2 (#2)	45	595	-5	39	0	36	50.1	45.6	0	1	1.62	0.08	0.96	134.2	45.91
to Moss Creek (#1)	56	651	19	58	11	47	29.6	44.2	1	2	1.71	0.08	0.89	134.0	46.08

Entered artery 7:27:47 am (2465 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	110	110	52	52	37	37	29.2	29.2	1	1	4.63	0.22	2.29	298.6	102.20
to Bluffton Fire (#14)	36	146	4	55	0	37	49.8	34.2	0	1	1.94	0.10	1.06	135.9	46.61
to Rose Hill Way (#10)	76	222	-1	54	0	37	55.7	41.5	0	1	3.40	0.16	1.89	253.5	86.74
to Belfair Plantation (#9)	46	268	0	54	0	37	54.9	43.8	0	1	2.03	0.10	1.15	154.1	52.68
to Belfair Towne Village (#8)	69	337	-9	45	0	37	50.5	45.2	0	1	2.57	0.12	1.38	195.2	66.88
to Crescent Drive (#7)	53	390	-5	40	0	37	49.8	45.8	0	1	2.08	0.10	1.15	160.0	54.77
to Home Depot (#6)	31	421	-3	37	0	37	49.1	46.1	0	1	0.97	0.05	0.53	78.9	27.03
to Trimblestone Road (#5)	36	457	2	39	0	37	43.2	45.8	0	1	1.05	0.05	0.58	86.5	29.71
to Sawmill Creek Road (#4)	48	505	-7	32	0	37	51.2	46.3	0	1	2.61	0.13	1.34	175.0	59.89
to Colleton River Road (#3)	43	549	10	42	0	37	34.5	45.4	0	1	1.68	0.08	0.81	115.7	39.78
to Tanger Outlet #2 (#2)	45	594	-5	38	0	37	49.6	45.7	0	1	1.72	0.08	0.91	129.1	44.18
to Moss Creek (#1)	58	652	21	59	4	41	28.4	44.2	1	2	2.05	0.10	0.99	145.7	50.04

Entered artery 8:08:41 am (4919 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	55	55	-4	-4	0	0	59.0	59.0	0	0	2.87	0.13	1.61	208.4	71.22
to Bluffton Fire (#14)	30	85	-2	-6	0	0	58.3	58.7	0	0	1.51	0.09	0.87	112.7	38.72
to Rose Hill Way (#10)	79	164	2	-3	0	0	53.2	56.1	0	0	3.44	0.17	1.79	244.6	83.81
to Belfair Plantation (#9)	45	209	-2	-5	0	0	56.6	56.2	0	0	2.68	0.13	1.38	176.5	60.31

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Towne Village (#8)	77	285	-2	-6	0	0	46.0	53.5	0	0	3.14	0.15	1.63	226.2	77.46
to Crescent Drive (#7)	53	338	-5	-12	0	0	49.3	52.8	0	0	2.27	0.11	1.24	167.4	57.41
to Home Depot (#6)	31	370	-3	-14	0	0	48.8	52.5	0	0	1.29	0.06	0.77	104.3	35.61
to Trimblestone Road (#5)	30	400	-4	-19	0	0	51.6	52.4	0	0	1.17	0.05	0.69	95.0	32.46
to Sawmill Creek Road (#4)	47	446	-8	-26	0	0	52.5	52.4	0	0	1.56	0.07	1.00	139.4	47.66
to Colleton River Road (#3)	32	478	-2	-28	0	0	47.0	52.1	0	0	1.00	0.05	0.56	81.8	28.13
to Tanger Outlet #2 (#2)	48	526	-2	-30	0	0	47.1	51.6	0	0	1.50	0.07	0.83	122.6	41.92
to Moss Creek (#1)	52	578	15	-15	0	0	31.8	49.8	0	0	1.51	0.07	0.77	118.2	40.64

Entered artery 8:33:44 am (6422 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	78	78	20	20	8	8	41.3	41.3	1	1	7.91	0.19	1.82	225.6	80.09
to Bluffton Fire (#14)	33	111	1	21	0	8	53.4	44.9	0	1	1.82	0.10	0.97	124.9	42.91
to Rose Hill Way (#10)	78	189	1	21	0	8	54.3	48.8	0	1	3.34	0.16	1.93	259.2	88.71
to Belfair Plantation (#9)	44	233	-2	19	0	8	57.7	50.4	0	1	2.02	0.09	1.18	156.0	53.28
to Belfair Towne Village (#8)	65	298	-13	6	0	8	53.9	51.2	0	1	2.13	0.10	1.24	178.2	60.98
to Crescent Drive (#7)	73	371	15	21	0	8	35.8	48.2	0	1	1.74	0.08	0.99	158.0	54.14
to Home Depot (#6)	35	405	1	22	0	8	44.4	47.9	0	1	1.51	0.07	0.90	119.6	40.81
to Trimblestone Road (#5)	31	436	-4	18	0	8	50.5	48.0	0	1	1.25	0.06	0.72	98.5	33.66
to Sawmill Creek Road (#4)	45	481	-9	9	0	8	54.3	48.6	0	1	1.76	0.08	1.09	147.7	50.46
to Colleton River Road (#3)	29	510	-5	4	0	8	52.5	48.8	0	1	0.83	0.04	0.55	79.4	27.18
to Tanger Outlet #2 (#2)	41	551	-9	-5	0	8	54.8	49.3	0	1	1.89	0.09	1.11	146.5	50.03
to Moss Creek (#1)	51	602	14	9	0	8	32.6	47.9	0	1	1.00	0.05	0.56	96.1	33.02

Entered artery 9:05:37 am (8336 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	60	60	1	1	0	0	54.0	54.0	0	0	2.28	0.10	1.37	188.3	64.36
to Bluffton Fire (#14)	35	95	3	4	0	0	51.0	52.9	0	0	1.14	0.06	0.72	101.1	34.78
to Rose Hill Way (#10)	81	175	4	8	0	0	52.1	52.5	0	0	2.74	0.13	1.68	236.5	80.92
to Belfair Plantation (#9)	45	220	-1	7	0	0	56.3	53.3	0	0	2.55	0.12	1.28	166.1	56.81
to Belfair Towne Village (#8)	66	286	-13	-6	0	0	53.7	53.4	0	0	2.40	0.11	1.39	193.4	66.17
to Crescent Drive (#7)	61	347	3	-3	0	0	42.6	51.5	0	0	2.04	0.10	1.12	162.3	55.77
to Home Depot (#6)	32	379	-2	-5	0	0	48.3	51.2	0	0	1.58	0.07	0.89	116.8	39.86
to Trimblestone Road (#5)	31	410	-3	-8	0	0	50.0	51.1	0	0	1.06	0.05	0.63	89.5	30.61
to Sawmill Creek Road (#4)	50	460	-5	-13	0	0	49.3	50.9	0	0	2.22	0.11	1.21	162.2	55.68
to Colleton River Road (#3)	29	489	-4	-18	0	0	51.6	51.0	0	0	1.07	0.05	0.63	88.0	30.07
to Tanger Outlet #2 (#2)	47	536	-3	-20	0	0	47.7	50.7	0	0	1.11	0.06	0.69	108.7	37.26
to Moss Creek (#1)	34	569	-3	-23	0	0	48.8	50.6	0	0	0.90	0.04	0.60	88.6	30.29

[-] After-type Trip Log "Trip #18", Midday-period, started Wednesday 6/6/2018 11:18:14 AM ↑Contents

Entered artery 11:36:26 am (1093 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	123	123	64	64	41	41	26.2	26.2	1	1	4.63	0.18	1.71	241.8	83.80
to Bluffton Fire (#14)	40	163	8	72	0	41	44.5	30.7	0	1	1.62	0.09	0.97	130.9	44.94
to Rose Hill Way (#10)	88	251	11	83	0	41	48.0	36.8	0	1	2.81	0.14	1.62	234.2	80.35
to Belfair Plantation (#9)	63	314	17	100	0	41	40.0	37.4	0	1	2.24	0.11	1.23	175.1	59.98
to Belfair Towne Village (#8)	87	401	9	109	0	41	40.4	38.1	0	1	2.42	0.11	1.41	212.4	72.82
to Crescent Drive (#7)	60	460	2	111	0	41	43.6	38.8	0	1	2.41	0.11	1.27	177.3	60.60
to Home Depot (#6)	33	493	-1	109	0	41	46.7	39.3	0	1	0.65	0.03	0.40	67.3	23.06
to Trimblestone Road (#5)	34	527	-1	109	0	41	46.6	39.8	0	1	1.10	0.05	0.64	92.3	31.61
to Sawmill Creek Road (#4)	51	578	-4	105	0	41	48.1	40.5	0	1	1.93	0.09	1.11	154.2	52.73
to Colleton River Road (#3)	104	681	70	175	66	106	14.5	36.5	1	2	0.77	0.04	0.41	85.5	29.44
to Tanger Outlet #2 (#2)	69	751	19	194	13	120	32.4	36.2	1	3	2.53	0.12	1.30	185.7	63.61
to Moss Creek (#1)	38	789	2	196	0	120	42.8	36.5	0	3	2.01	0.09	1.05	137.7	47.04

Entered artery 12:10:00 pm (3107 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	72	72	13	13	0	0	44.9	44.9	0	0	5.11	0.17	1.72	216.5	75.35
to Bluffton Fire (#14)	36	107	3	17	0	0	50.0	46.6	0	0	35.84	0.44	2.67	199.6	84.90
to Rose Hill Way (#10)	76	183	-1	16	0	0	55.6	50.4	0	0	2.85	0.14	1.69	233.4	79.85
to Belfair Plantation (#9)	65	248	19	34	9	9	39.0	47.4	1	1	2.53	0.12	1.34	186.8	64.01
to Belfair Towne Village (#8)	76	324	-2	32	0	9	46.5	47.2	0	1	3.24	0.15	1.78	241.4	82.60
to Crescent Drive (#7)	63	387	6	37	0	9	41.0	46.2	0	1	1.97	0.09	1.11	163.1	55.89
to Home Depot (#6)	37	424	3	40	0	9	41.4	45.8	0	1	1.14	0.05	0.70	101.8	34.79
to Trimblestone Road (#5)	32	456	-2	38	0	9	48.5	46.0	0	1	1.18	0.05	0.74	101.4	34.63
to Sawmill Creek Road (#4)	48	504	-7	31	0	9	51.3	46.5	0	1	1.67	0.08	1.06	147.0	50.22
to Colleton River Road (#3)	29	533	-5	27	0	9	51.8	46.8	0	1	0.86	0.04	0.57	81.5	27.85
to Tanger Outlet #2 (#2)	52	585	2	29	0	9	43.1	46.4	0	1	1.41	0.07	0.82	124.8	42.85
to Moss Creek (#1)	41	626	5	34	0	9	39.9	46.0	0	1	1.37	0.06	0.75	109.1	37.30

Entered artery 12:46:58 pm (5324 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	84	84	25	25	0	0	38.6	38.6	0	0	2.84	0.13	1.58	227.2	77.83
to Bluffton Fire (#14)	38	121	5	30	0	0	47.3	41.3	0	0	1.47	0.08	0.86	117.8	40.50
to Rose Hill Way (#10)	82	203	5	35	0	0	51.7	45.5	0	0	3.78	0.18	2.00	268.8	91.98
to Belfair Plantation (#9)	54	257	8	43	0	0	46.6	45.7	0	0	2.26	0.11	1.16	160.7	55.18
to Belfair Towne Village (#8)	72	329	-7	37	0	0	49.1	46.5	0	0	2.85	0.13	1.60	221.0	75.56
to Crescent Drive (#7)	53	382	-5	32	0	0	48.9	46.8	0	0	1.10	0.05	0.70	113.9	39.05

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Home Depot (#6)	35	417	1	33	0	0	43.5	46.5	0	0	1.70	0.08	0.88	117.7	40.24
to Trimblestone Road (#5)	34	451	-1	33	0	0	46.2	46.5	0	0	0.89	0.04	0.55	83.2	28.51
to Sawmill Creek Road (#4)	49	500	-5	27	0	0	49.9	46.8	0	0	1.81	0.08	1.08	149.6	51.13
to Colleton River Road (#3)	29	529	-5	23	0	0	51.9	47.1	0	0	1.40	0.06	0.76	100.6	34.37
to Tanger Outlet #2 (#2)	65	594	15	38	13	13	34.4	45.7	1	1	2.46	0.12	1.23	175.7	60.28
to Moss Creek (#1)	40	634	3	41	0	13	41.3	45.4	0	1	1.66	0.08	0.84	116.7	40.03

Entered artery 1:17:02 pm (7128 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	73	73	14	14	0	0	44.3	44.3	0	0	3.11	0.14	1.66	226.1	77.32
to Bluffton Fire (#14)	36	108	3	18	0	0	50.0	46.2	0	0	2.00	0.11	1.09	138.7	47.58
to Rose Hill Way (#10)	82	190	5	22	0	0	51.6	48.5	0	0	2.61	0.12	1.65	234.0	80.03
to Belfair Plantation (#9)	53	243	6	29	0	0	48.0	48.4	0	0	1.85	0.09	1.06	149.4	51.20
to Belfair Towne Village (#8)	83	325	5	33	0	0	42.5	46.9	0	0	2.18	0.10	1.33	201.0	68.85
to Crescent Drive (#7)	58	383	0	34	0	0	44.8	46.6	0	0	2.06	0.09	1.23	172.6	58.99
to Home Depot (#6)	38	421	4	37	0	0	40.7	46.1	0	0	0.62	0.03	0.40	70.4	24.16
to Trimblestone Road (#5)	32	454	-2	35	0	0	48.1	46.2	0	0	1.97	0.09	0.98	125.3	42.82
to Sawmill Creek Road (#4)	47	500	-8	28	0	0	52.3	46.8	0	0	1.69	0.08	1.05	144.7	49.45
to Colleton River Road (#3)	29	530	-4	24	0	0	50.8	47.0	0	0	1.00	0.05	0.59	83.6	28.64
to Tanger Outlet #2 (#2)	54	584	4	28	0	0	41.6	46.5	0	0	1.82	0.09	1.00	144.3	49.53
to Moss Creek (#1)	37	621	1	28	0	0	44.3	46.4	0	0	1.62	0.08	0.89	121.1	41.38

[-] After-type Trip Log "Trip #19", PM-period, started Wednesday 6/6/2018 4:06:51 PM ↑Contents

Entered artery 4:25:06 pm (1095 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	68	68	10	10	0	0	47.1	47.1	0	0	3.53	0.17	1.82	240.2	82.17
to Bluffton Fire (#14)	58	126	25	35	0	0	30.8	39.7	0	0	1.13	0.07	0.66	111.7	38.66
to Rose Hill Way (#10)	94	220	17	52	0	0	45.0	41.9	0	0	4.17	0.19	2.30	310.3	106.00
to Belfair Plantation (#9)	43	263	-3	49	0	0	58.3	44.6	0	0	1.97	0.09	1.15	151.7	51.87
to Belfair Towne Village (#8)	74	337	-5	45	0	0	47.8	45.3	0	0	2.99	0.14	1.56	217.1	74.33
to Crescent Drive (#7)	56	393	-2	43	0	0	46.3	45.5	0	0	2.02	0.10	1.10	156.1	53.54
to Home Depot (#6)	111	504	77	120	66	66	13.9	38.5	1	1	0.98	0.05	0.50	108.4	37.31
to Trimblestone Road (#5)	115	619	81	201	65	131	13.6	33.9	1	2	1.71	0.08	0.90	152.8	52.36
to Sawmill Creek Road (#4)	53	672	-1	200	0	131	45.8	34.8	0	2	2.43	0.11	1.35	180.9	61.82
to Colleton River Road (#3)	30	702	-3	196	0	131	49.9	35.5	0	2	0.96	0.04	0.62	87.7	29.96
to Tanger Outlet #2 (#2)	43	745	-7	189	0	131	52.3	36.4	0	2	1.42	0.07	0.87	122.8	42.02
to Moss Creek (#1)	43	789	7	196	0	131	38.0	36.5	0	2	1.02	0.05	0.56	90.5	31.07

Entered artery 4:56:59 pm (3008 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	63	63	5	5	0	0	50.8	50.8	0	0	4.22	0.19	2.22	276.8	94.50
to Bluffton Fire (#14)	31	95	-1	4	0	0	57.0	52.9	0	0	1.56	0.09	0.89	115.0	39.48
to Rose Hill Way (#10)	101	195	24	28	7	7	41.9	47.2	1	1	2.94	0.15	1.65	247.1	84.74
to Belfair Plantation (#9)	53	248	7	35	0	7	47.8	47.3	0	1	2.10	0.10	1.18	163.1	55.77
to Belfair Towne Village (#8)	124	372	46	80	45	53	28.4	41.0	1	2	16.17	0.31	2.40	273.9	100.00
to Crescent Drive (#7)	154	526	96	176	89	142	16.9	34.0	1	3	2.57	0.12	1.36	201.9	69.34
to Home Depot (#6)	33	559	-1	175	0	142	46.4	34.7	0	3	1.83	0.08	0.95	123.9	42.32
to Trimblestone Road (#5)	43	602	9	184	0	142	36.1	34.8	0	3	0.89	0.04	0.51	85.5	29.40
to Sawmill Creek Road (#4)	49	651	-5	179	0	142	49.5	35.9	0	3	2.68	0.12	1.48	190.5	65.03
to Colleton River Road (#3)	35	686	1	180	0	142	43.2	36.3	0	3	0.97	0.05	0.50	78.0	26.80
to Tanger Outlet #2 (#2)	47	733	-3	177	0	142	47.8	37.0	0	3	1.83	0.09	1.01	140.2	47.95
to Moss Creek (#1)	67	800	31	208	21	162	24.5	36.0	1	4	1.24	0.06	0.66	110.7	38.06

Entered artery 5:29:41 pm (4970 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	145	145	86	86	78	78	22.3	22.3	1	1	11.55	0.24	2.08	251.1	90.57
to Bluffton Fire (#14)	39	184	7	93	0	78	45.7	27.2	0	1	2.62	0.13	1.37	170.7	58.38
to Rose Hill Way (#10)	104	288	27	120	27	105	40.5	32.0	1	2	3.88	0.20	2.16	300.7	103.27
to Belfair Plantation (#9)	51	339	5	126	0	105	49.2	34.6	0	2	3.41	0.15	1.80	224.5	76.62
to Belfair Towne Village (#8)	80	420	2	128	5	110	43.9	36.4	1	3	2.38	0.11	1.37	202.6	69.34
to Crescent Drive (#7)	66	486	8	136	0	110	39.4	36.8	0	3	2.11	0.10	1.16	170.3	58.32
to Home Depot (#6)	36	522	2	138	0	110	42.5	37.2	0	3	1.40	0.06	0.85	116.2	39.68
to Trimblestone Road (#5)	48	570	14	152	6	115	32.5	36.8	1	4	1.06	0.05	0.60	98.7	33.91
to Sawmill Creek Road (#4)	54	624	0	152	0	115	44.9	37.5	0	4	2.29	0.10	1.39	185.8	63.42
to Colleton River Road (#3)	34	659	1	153	0	115	43.7	37.8	0	4	0.99	0.05	0.51	78.5	26.94
to Tanger Outlet #2 (#2)	45	704	-5	148	0	115	49.4	38.6	0	4	1.34	0.06	0.86	124.4	42.54
to Moss Creek (#1)	43	747	6	154	0	115	38.4	38.6	0	4	0.48	0.02	0.32	66.3	22.75

Entered artery 5:58:20 pm (6690 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	64	64	5	5	0	0	50.5	50.5	0	0	4.16	0.19	2.17	272.2	92.92
to Bluffton Fire (#14)	31	95	-1	5	0	0	56.4	52.5	0	0	1.28	0.07	0.79	105.3	36.20
to Rose Hill Way (#10)	100	195	23	27	14	14	42.5	47.3	1	1	3.90	0.18	2.12	293.9	100.58
to Belfair Plantation (#9)	50	245	4	32	0	14	50.3	47.9	0	1	2.20	0.10	1.28	171.0	58.44
to Belfair Towne Village (#8)	68	313	-10	21	0	14	50.9	48.6	0	1	2.31	0.11	1.40	197.2	67.54
to Crescent Drive (#7)	54	367	-4	17	0	14	49.2	48.7	0	1	1.75	0.08	1.05	150.1	51.33
to Home Depot (#6)	29	396	-5	13	0	14	52.6	49.0	0	1	0.97	0.05	0.62	87.1	29.76
to Trimblestone Road (#5)	67	463	32	44	20	33	23.5	45.3	1	2	1.15	0.06	0.67	118.3	40.65

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Sawmill Creek Road (#4)	52	515	-2	42	0	33	46.9	45.5	0	2	2.84	0.13	1.49	193.6	66.17
to Colleton River Road (#3)	29	544	-5	37	0	33	52.2	45.8	0	2	0.90	0.04	0.57	81.0	27.70
to Tanger Outlet #2 (#2)	43	586	-7	30	0	33	52.4	46.3	0	2	1.38	0.06	0.89	125.5	42.90
to Moss Creek (#1)	36	622	-1	30	0	33	45.9	46.3	0	2	0.61	0.03	0.39	68.2	23.38

[-] Before-type Trip Log "Trip #16:39:46 AM", AM-period, started Monday 3/26/2018 6:39:44 AM ↑Contents

Entered artery 6:41:11 am (87 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	78	78	19	19	9	9	41.1	41.1	1	1	2.43	0.13	1.31	192.7	66.20
to Bluffton Fire (#14)	35	113	3	22	0	9	51.1	44.2	0	1	3.46	0.16	1.62	193.2	65.99
to Rose Hill Way (#10)	70	183	-7	16	0	9	60.0	50.3	0	1	3.48	0.18	1.98	258.0	88.38
to Belfair Plantation (#9)	49	232	3	19	0	9	51.3	50.5	0	1	1.69	0.08	0.93	132.9	45.54
to Belfair Towne Village (#8)	117	350	39	58	32	40	30.1	43.7	1	2	3.34	0.16	1.68	254.0	87.06
to Crescent Drive (#7)	51	401	-7	51	0	40	50.7	44.6	0	2	2.62	0.12	1.44	187.9	64.21
to Home Depot (#6)	29	430	-5	46	0	40	53.6	45.2	0	2	1.12	0.05	0.69	93.7	32.02
to Trimblestone Road (#5)	30	460	-4	41	0	40	51.8	45.6	0	2	0.74	0.03	0.50	75.5	25.81
to Sawmill Creek Road (#4)	48	508	-6	35	0	40	50.7	46.1	0	2	1.68	0.08	1.08	148.9	50.88
to Colleton River Road (#3)	27	535	-6	29	0	40	55.0	46.5	0	2	1.21	0.06	0.71	94.5	32.30
to Tanger Outlet #2 (#2)	42	577	-8	21	0	40	53.9	47.1	0	2	1.38	0.06	0.88	123.1	42.11
to Moss Creek (#1)	35	612	-2	19	0	40	47.6	47.1	0	2	0.67	0.03	0.47	76.5	26.17

Entered artery 7:07:40 am (1677 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	104	104	45	45	34	34	31.0	31.0	1	1	4.27	0.20	2.04	269.5	92.22
to Bluffton Fire (#14)	36	140	4	49	0	34	49.2	35.7	0	1	3.97	0.15	1.40	162.1	56.36
to Rose Hill Way (#10)	74	214	-3	46	0	34	57.1	43.1	0	1	4.17	0.18	2.01	262.9	90.16
to Belfair Plantation (#9)	81	295	35	81	25	59	31.2	39.8	1	2	1.95	0.09	1.15	170.1	58.35
to Belfair Towne Village (#8)	78	373	0	81	0	59	45.0	40.9	0	2	2.64	0.12	1.57	222.8	76.15
to Crescent Drive (#7)	53	426	-5	76	0	59	49.0	41.9	0	2	1.66	0.08	1.04	149.5	51.11
to Home Depot (#6)	32	458	-2	74	0	59	48.0	42.4	0	2	0.83	0.04	0.54	81.5	27.89
to Trimblestone Road (#5)	32	490	-3	71	0	59	49.1	42.8	0	2	0.94	0.04	0.62	89.0	30.43
to Sawmill Creek Road (#4)	49	539	-5	67	0	59	49.4	43.4	0	2	1.48	0.07	0.96	137.8	47.12
to Colleton River Road (#3)	31	570	-2	64	0	59	48.2	43.7	0	2	0.85	0.04	0.56	82.7	28.28
to Tanger Outlet #2 (#2)	44	614	-6	58	0	59	51.4	44.2	0	2	1.34	0.06	0.84	120.7	41.33
to Moss Creek (#1)	51	665	14	72	0	59	32.3	43.3	0	2	1.17	0.06	0.69	109.9	37.71

Entered artery 7:32:55 am (3192 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	90	90	31	31	13	13	35.9	35.9	1	1	2.67	0.13	1.49	222.7	76.31
to Bluffton															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Fire (#14)	34	123	2	33	0	13	52.5	40.5	0	1	1.70	0.09	0.96	125.0	42.90
to Rose Hill Way (#10)	80	204	3	36	0	13	52.6	45.2	0	1	2.58	0.12	1.68	236.6	80.89
to Belfair Plantation (#9)	57	261	11	47	0	13	44.4	45.1	0	1	1.61	0.07	0.92	138.5	47.40
to Belfair Towne Village (#8)	78	338	0	46	0	13	45.3	45.1	0	1	2.39	0.11	1.43	207.4	70.95
to Crescent Drive (#7)	105	443	47	94	51	64	24.7	40.3	1	2	1.99	0.10	1.17	172.7	59.34
to Home Depot (#6)	36	479	2	95	0	64	42.7	40.5	0	2	1.95	0.09	1.06	136.7	46.68
to Trimblestone Road (#5)	41	520	6	102	0	64	38.6	40.3	0	2	0.83	0.04	0.48	80.5	27.66
to Sawmill Creek Road (#4)	55	575	1	103	0	64	44.1	40.7	0	2	2.35	0.11	1.23	168.8	57.77
to Colleton River Road (#3)	32	607	-2	101	0	64	47.3	41.0	0	2	1.92	0.09	1.03	130.1	44.41
to Tanger Outlet #2 (#2)	43	650	-7	94	0	64	52.3	41.8	0	2	1.24	0.06	0.80	115.9	39.66
to Moss Creek (#1)	368	1018	331	425	341	405	4.5	28.3	2	4	1.37	0.07	0.60	250.1	85.87

Entered artery 8:05:36 am (5153 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	68	68	10	10	0	0	47.1	47.1	0	0	1.75	0.08	1.18	176.1	60.19
to Bluffton Fire (#14)	36	104	3	13	0	0	49.9	48.0	0	0	1.41	0.07	0.85	115.1	39.52
to Rose Hill Way (#10)	131	235	54	67	39	39	32.2	39.2	1	1	2.53	0.12	1.50	234.0	80.17
to Belfair Plantation (#9)	102	337	56	123	38	76	24.8	34.9	1	2	2.70	0.12	1.51	214.0	73.33
to Belfair Towne Village (#8)	74	411	-4	119	0	76	47.4	37.1	0	2	3.17	0.15	1.68	230.7	78.88
to Crescent Drive (#7)	54	465	-4	115	0	76	48.5	38.4	0	2	1.76	0.08	1.12	158.2	54.03
to Home Depot (#6)	37	501	3	117	0	76	41.9	38.7	0	2	0.47	0.02	0.29	58.5	20.10
to Trimblestone Road (#5)	35	536	0	118	0	76	45.0	39.1	0	2	1.28	0.06	0.78	108.2	36.97
to Sawmill Creek Road (#4)	48	584	-7	111	0	76	51.1	40.1	0	2	1.81	0.08	1.14	154.6	52.81
to Colleton River Road (#3)	30	614	-3	108	0	76	49.5	40.6	0	2	0.56	0.03	0.40	66.0	22.59
to Tanger Outlet #2 (#2)	44	658	-6	102	0	76	51.3	41.3	0	2	1.67	0.07	1.04	141.8	48.42
to Moss Creek (#1)	159	817	122	224	112	189	10.4	35.3	1	3	0.81	0.04	0.38	120.3	41.39

Entered artery 8:36:04 am (6981 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	74	74	16	16	0	0	43.5	43.5	0	0	5.75	0.20	1.83	234.1	81.25
to Bluffton Fire (#14)	37	111	5	21	0	0	47.8	44.9	0	0	2.87	0.15	1.35	166.9	57.15
to Rose Hill Way (#10)	75	186	-2	18	0	0	56.5	49.6	0	0	2.78	0.13	1.74	237.7	81.26
to Belfair Plantation (#9)	79	265	33	52	22	22	31.8	44.2	1	1	2.19	0.10	1.11	162.8	55.78
to Belfair Towne Village (#8)	74	339	-4	47	0	22	47.6	45.0	0	1	2.88	0.13	1.60	221.7	75.83
to Crescent Drive (#7)	53	393	-4	43	0	22	48.6	45.5	0	1	2.20	0.10	1.32	178.1	60.83
to Home Depot (#6)	63	456	29	72	17	39	24.5	42.6	1	2	1.05	0.05	0.59	101.2	34.75
to Trimblestone Road (#5)	36	491	1	73	0	39	44.1	42.7	0	2	1.46	0.06	0.88	119.1	40.65
to Sawmill Creek Road (#4)	48	539	-7	66	0	39	51.3	43.5	0	2	1.60	0.07	1.01	141.7	48.42

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Colleton River Road (#3)	31	569	-3	63	0	39	48.9	43.8	0	2	0.92	0.04	0.60	86.3	29.51
to Tanger Outlet #2 (#2)	42	611	-8	55	0	39	53.3	44.4	0	2	1.51	0.07	0.91	126.8	43.38
to Moss Creek (#1)	33	644	-4	52	0	39	49.7	44.7	0	2	1.05	0.05	0.65	93.6	32.00

Entered artery 9:01:05 am (8482 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	73	73	14	14	0	0	44.3	44.3	0	0	2.64	0.13	1.35	194.2	66.59
to Bluffton Fire (#14)	35	108	3	17	0	0	50.1	46.2	0	0	1.52	0.08	0.87	117.1	40.24
to Rose Hill Way (#10)	80	188	3	21	0	0	52.7	49.0	0	0	2.68	0.25	1.68	228.6	80.56
to Belfair Plantation (#9)	67	255	21	42	0	0	37.4	45.9	0	0	2.04	0.10	1.16	171.7	58.82
to Belfair Towne Village (#8)	75	331	-3	39	0	0	46.9	46.1	0	0	2.21	0.10	1.35	198.0	67.78
to Crescent Drive (#7)	115	446	57	96	57	57	22.6	40.0	1	1	1.99	0.09	1.13	171.2	58.71
to Home Depot (#6)	75	521	41	137	37	94	20.5	37.2	1	2	3.65	0.13	1.23	160.2	55.69
to Trimblestone Road (#5)	36	557	2	139	0	94	43.3	37.6	0	2	2.14	0.09	1.18	149.3	50.95
to Sawmill Creek Road (#4)	47	605	-7	132	0	94	51.8	38.7	0	2	1.53	0.07	1.00	139.9	47.81
to Colleton River Road (#3)	29	634	-4	128	0	94	50.9	39.3	0	2	0.80	0.04	0.54	79.4	27.13
to Tanger Outlet #2 (#2)	42	676	-7	120	0	94	52.8	40.1	0	2	1.55	0.07	0.97	133.7	45.66
to Moss Creek (#1)	34	711	-3	118	0	94	48.3	40.5	0	2	0.77	0.04	0.53	81.5	27.87

[-] Before-type Trip Log "Trip #211:08:07 AM", Midday-period, started Monday 3/26/2018 11:08:05 AM ↑Contents

Entered artery 11:25:09 am (1024 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	73	73	15	15	0	0	43.9	43.9	0	0	2.14	0.10	1.21	180.7	61.94
to Bluffton Fire (#14)	39	112	7	22	0	0	45.4	44.5	0	0	1.33	0.07	0.83	115.4	39.64
to Rose Hill Way (#10)	82	194	5	27	0	0	51.6	47.5	0	0	2.82	0.13	1.71	239.8	82.00
to Belfair Plantation (#9)	49	243	3	29	0	0	51.6	48.3	0	0	1.67	0.08	1.04	145.4	49.70
to Belfair Towne Village (#8)	73	316	-5	24	0	0	48.2	48.3	0	0	2.12	0.10	1.27	188.6	64.54
to Crescent Drive (#7)	133	449	75	99	70	70	19.5	39.8	1	1	1.94	0.09	1.15	178.4	61.16
to Home Depot (#6)	53	503	19	119	12	81	28.8	38.6	1	2	2.38	0.11	1.10	153.3	52.50
to Trimblestone Road (#5)	34	537	0	119	0	81	45.4	39.0	0	2	2.11	0.10	1.02	131.9	45.06
to Sawmill Creek Road (#4)	52	589	-2	117	0	81	46.8	39.7	0	2	1.14	0.05	0.77	120.8	41.32
to Colleton River Road (#3)	34	623	0	117	0	81	44.3	40.0	0	2	1.08	0.05	0.70	99.4	33.92
to Tanger Outlet #2 (#2)	45	669	-4	112	0	81	49.5	40.6	0	2	1.40	0.06	0.90	128.9	44.04
to Moss Creek (#1)	34	703	-2	110	0	81	48.1	41.0	0	2	0.75	0.03	0.52	80.5	27.54

Entered artery 11:56:15 am (2890 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	106	106	48	48	32	32	30.3	30.3	1	1	4.35	0.19	1.92	261.4	89.74
to Bluffton Fire (#14)	39	146	7	55	0	32	45.0	34.3	0	1	1.93	0.10	1.12	145.6	49.89
to Rose Hill Way (#10)	79	225	2	57	0	32	53.5	41.0	0	1	3.01	0.14	1.80	247.5	84.65

to Belfair Plantation (#9)	52	277	6	63	0	32	48.4	42.4	0	1	1.91	0.09	1.00	142.6	48.80
to Belfair Towne Village (#8)	106	383	28	91	17	49	33.2	39.9	1	2	2.70	0.12	1.55	241.6	82.66
to Crescent Drive (#7)	133	516	76	167	66	115	19.5	34.6	1	3	1.92	0.09	1.10	174.4	59.87
to Home Depot (#6)	35	552	1	168	0	115	43.5	35.2	0	3	1.41	0.06	0.86	116.8	39.88
to Trimblestone Road (#5)	38	590	4	171	0	115	41.1	35.5	0	3	0.75	0.04	0.45	75.8	25.99
to Sawmill Creek Road (#4)	62	652	8	179	0	115	39.2	35.9	0	3	1.63	0.08	0.93	144.0	49.31
to Colleton River Road (#3)	41	693	7	186	0	115	36.9	36.0	0	3	1.19	0.05	0.71	104.9	35.90
to Tanger Outlet #2 (#2)	55	748	5	192	0	115	40.7	36.3	0	3	1.43	0.07	0.87	132.6	45.45
to Moss Creek (#1)	39	787	2	194	0	115	42.3	36.6	0	3	1.16	0.05	0.76	109.6	37.45

Entered artery 12:25:44 pm (4660 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	100	100	41	41	24	24	32.4	32.4	1	1	2.37	0.11	1.35	206.7	70.82
to Bluffton Fire (#14)	38	137	5	46	0	24	47.3	36.4	0	1	2.01	0.10	1.13	145.6	49.80
to Rose Hill Way (#10)	81	219	4	51	0	24	51.8	42.2	0	1	2.85	0.14	1.66	234.3	80.21
to Belfair Plantation (#9)	53	272	7	58	0	24	47.5	43.2	0	1	1.73	0.08	1.00	143.6	49.17
to Belfair Towne Village (#8)	89	361	11	69	0	24	39.6	42.3	0	1	2.14	0.10	1.33	206.0	70.48
to Crescent Drive (#7)	79	439	21	89	0	24	33.1	40.7	0	1	1.84	0.08	1.07	170.6	58.38
to Home Depot (#6)	105	544	71	160	59	83	14.7	35.7	1	2	1.18	0.06	0.66	117.3	40.33
to Trimblestone Road (#5)	44	588	10	170	0	83	35.6	35.7	0	2	1.46	0.07	0.72	107.4	36.77
to Sawmill Creek Road (#4)	69	657	14	184	0	83	35.7	35.7	0	2	2.37	0.11	1.14	169.2	57.96
to Colleton River Road (#3)	32	689	-1	183	0	83	46.1	36.1	0	2	1.54	0.07	0.88	116.0	39.59
to Tanger Outlet #2 (#2)	47	736	-3	180	0	83	47.4	36.9	0	2	1.34	0.06	0.78	116.3	39.86
to Moss Creek (#1)	39	775	2	182	0	83	42.5	37.2	0	2	1.44	0.07	0.76	107.6	36.91

Entered artery 12:56:25 pm (6500 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	77	77	19	19	0	0	41.6	41.6	0	0	2.27	0.11	1.35	198.9	68.15
to Bluffton Fire (#14)	35	113	3	22	0	0	50.4	44.3	0	0	1.41	0.07	0.85	114.9	39.46
to Rose Hill Way (#10)	83	196	7	29	0	0	50.6	47.0	0	0	2.38	0.11	1.55	226.0	77.27
to Belfair Plantation (#9)	114	311	68	97	58	58	22.1	37.8	1	1	1.84	0.09	1.02	162.9	55.92
to Belfair Towne Village (#8)	90	401	12	109	8	66	39.2	38.1	1	2	3.42	0.16	1.88	262.9	89.94
to Crescent Drive (#7)	56	457	-2	107	0	66	46.4	39.1	0	2	2.37	0.11	1.33	181.4	61.96
to Home Depot (#6)	70	527	36	143	18	84	21.8	36.8	1	3	0.87	0.04	0.55	111.6	38.28
to Trimblestone Road (#5)	42	569	7	150	0	84	37.4	36.9	0	3	1.29	0.06	0.74	108.4	37.11
to Sawmill Creek Road (#4)	54	623	0	151	0	84	44.9	37.6	0	3	1.74	0.08	1.01	146.9	50.28
to Colleton River Road (#3)	110	734	77	227	72	156	13.6	34.0	1	4	1.15	0.06	0.63	106.9	36.81
to Tanger Outlet #2 (#2)	50	783	0	227	0	156	45.2	34.7	0	4	2.56	0.12	1.41	183.9	62.80

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Moss Creek (#1)	34	817	-3	224	0	156	48.6	35.2	0	4	0.83	0.04	0.57	85.3	29.16

[-] Before-type Trip Log "Trip #33:43:23 PM", PM-period, started Monday 3/26/2018 3:43:22 PM ↑Contents

Entered artery 3:58:48 pm (926 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	62	62	4	4	0	0	51.6	51.6	0	0	6.41	0.21	2.14	256.6	89.04
to Bluffton Fire (#14)	33	95	1	5	0	0	53.9	52.4	0	0	1.37	0.08	0.84	111.3	38.24
to Rose Hill Way (#10)	103	198	26	30	15	15	41.1	46.6	1	1	3.41	0.16	1.87	270.9	92.76
to Belfair Plantation (#9)	52	250	6	37	0	15	48.1	46.9	0	1	2.04	0.09	1.23	168.0	57.42
to Belfair Towne Village (#8)	69	319	-10	27	0	15	51.3	47.8	0	1	2.38	0.11	1.36	193.2	66.10
to Crescent Drive (#7)	54	373	-4	24	0	15	47.9	47.8	0	1	1.40	0.06	0.94	140.2	47.93
to Home Depot (#6)	61	434	27	50	14	28	25.2	44.7	1	2	1.27	0.06	0.72	120.5	41.31
to Trimblestone Road (#5)	88	523	54	104	31	60	17.8	40.1	1	3	1.64	0.08	0.90	142.8	48.95
to Sawmill Creek Road (#4)	88	610	33	137	24	84	27.9	38.4	1	4	2.65	0.13	1.35	194.3	66.55
to Colleton River Road (#3)	32	643	-1	136	0	84	46.2	38.8	0	4	1.11	0.05	0.70	98.0	33.48
to Tanger Outlet #2 (#2)	41	683	-9	127	0	84	55.2	39.7	0	4	2.03	0.10	1.11	146.1	49.95
to Moss Creek (#1)	33	716	-4	123	0	84	49.9	40.2	0	4	0.85	0.04	0.53	79.8	27.35

Entered artery 4:26:17 pm (2575 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	95	95	37	37	20	20	33.8	33.8	1	1	2.32	0.11	1.36	205.5	70.44
to Bluffton Fire (#14)	37	132	5	42	0	20	47.9	37.7	0	1	1.37	0.07	0.83	113.8	39.10
to Rose Hill Way (#10)	132	264	55	97	40	60	32.1	34.9	1	2	3.37	0.15	1.92	276.8	94.71
to Belfair Plantation (#9)	122	386	76	172	67	127	20.8	30.4	1	3	3.01	0.14	1.57	214.5	73.60
to Belfair Towne Village (#8)	103	489	25	198	25	152	34.1	31.2	1	4	3.86	0.18	1.96	267.9	91.64
to Crescent Drive (#7)	114	603	56	253	49	201	22.9	29.6	1	5	2.68	0.12	1.36	209.4	71.66
to Home Depot (#6)	35	638	0	254	0	201	44.5	30.4	0	5	1.76	0.08	0.97	126.7	43.26
to Trimblestone Road (#5)	76	714	42	296	36	237	20.5	29.4	1	6	1.19	0.06	0.65	105.2	36.16
to Sawmill Creek Road (#4)	88	802	33	329	23	261	27.8	29.2	1	7	2.72	0.13	1.40	200.3	68.55
to Colleton River Road (#3)	33	835	0	329	0	261	45.0	29.8	0	7	1.81	0.08	1.01	129.5	44.18
to Tanger Outlet #2 (#2)	52	887	2	331	0	261	43.1	30.6	0	7	1.54	0.07	0.87	129.5	44.42
to Moss Creek (#1)	40	927	4	335	0	261	40.7	31.1	0	7	1.39	0.06	0.83	116.7	39.90

Entered artery 4:59:40 pm (4578 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	100	100	42	42	31	31	32.1	32.1	1	1	2.10	0.11	1.22	188.2	64.63
to Bluffton Fire (#14)	37	138	5	47	0	31	47.6	36.3	0	1	1.79	0.10	1.02	133.7	45.90
to Rose Hill Way (#10)	81	219	4	51	0	31	52.1	42.1	0	1	3.52	0.17	1.96	264.3	90.43
to Belfair Plantation (#9)	65	284	19	70	9	40	38.7	41.4	1	2	2.96	0.14	1.50	203.1	69.60
to Belfair Towne	106	390	28	98	10	50	33.2	39.2	1	3	2.29	0.11	1.41	226.7	77.72

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Village (#8)															
to Crescent Drive (#7)	77	467	20	118	0	50	33.6	38.2	0	3	1.83	0.09	1.16	180.1	61.72
to Home Depot (#6)	68	535	34	151	5	55	22.7	36.3	1	4	1.47	0.07	0.84	138.9	47.59
to Trimblestone Road (#5)	79	614	44	196	32	87	19.8	34.2	1	5	1.53	0.07	0.86	134.1	45.94
to Sawmill Creek Road (#4)	97	711	43	238	24	111	25.2	32.9	1	6	1.83	0.09	1.05	175.6	60.15
to Colleton River Road (#3)	38	749	4	243	0	111	39.7	33.3	0	6	1.10	0.05	0.72	104.4	35.66
to Tanger Outlet #2 (#2)	46	795	-4	239	0	111	48.6	34.2	0	6	1.42	0.06	0.92	131.3	44.86
to Moss Creek (#1)	35	830	-2	237	0	111	47.4	34.7	0	6	0.95	0.04	0.61	89.7	30.71

Entered artery 5:33:16 pm (6595 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	153	153	95	95	54	54	21.0	21.0	1	1	2.84	0.13	1.61	253.6	86.89
to Bluffton Fire (#14)	37	190	5	100	0	54	48.3	26.3	0	1	1.71	0.08	1.02	133.8	45.74
to Rose Hill Way (#10)	122	313	45	145	37	91	34.5	29.5	1	2	3.75	0.20	1.85	280.1	96.17
to Belfair Plantation (#9)	50	363	4	149	0	91	50.5	32.4	0	2	3.36	0.16	1.69	211.7	72.32
to Belfair Towne Village (#8)	66	429	-12	137	0	91	53.3	35.6	0	2	2.20	0.11	1.34	189.4	64.82
to Crescent Drive (#7)	53	481	-5	132	0	91	49.2	37.1	0	2	1.55	0.07	1.01	145.7	49.80
to Home Depot (#6)	37	518	3	134	0	91	41.9	37.5	0	2	0.54	0.03	0.34	64.0	21.93
to Trimblestone Road (#5)	87	605	53	187	43	134	17.9	34.6	1	3	1.63	0.08	0.85	133.0	45.59
to Sawmill Creek Road (#4)	76	681	21	209	13	147	32.2	34.4	1	4	2.39	0.11	1.26	187.3	64.13
to Colleton River Road (#3)	33	715	0	209	0	147	44.8	34.8	0	4	1.63	0.07	0.95	123.7	42.20
to Tanger Outlet #2 (#2)	58	773	9	217	8	155	38.4	35.1	1	5	2.34	0.11	1.21	169.0	57.91
to Moss Creek (#1)	39	813	3	220	0	155	41.9	35.5	0	5	1.26	0.06	0.80	113.7	38.85

Entered artery 6:03:26 pm (8405 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	62	62	4	4	0	0	51.6	51.6	0	0	6.56	0.24	2.36	280.7	96.95
to Bluffton Fire (#14)	30	92	-2	2	0	0	59.0	54.0	0	0	1.62	0.09	0.90	115.6	39.73
to Rose Hill Way (#10)	90	182	13	14	10	10	47.0	50.6	1	1	3.66	0.17	1.95	268.3	91.83
to Belfair Plantation (#9)	50	232	4	19	0	10	50.1	50.5	0	1	3.87	0.18	1.78	220.7	75.40
to Belfair Towne Village (#8)	119	351	40	59	12	23	29.8	43.5	1	2	2.19	0.11	1.21	214.2	73.66
to Crescent Drive (#7)	59	410	1	60	0	23	43.9	43.5	0	2	1.76	0.08	1.07	156.4	53.52
to Home Depot (#6)	39	449	5	65	0	23	39.3	43.2	0	2	1.17	0.06	0.69	101.3	34.72
to Trimblestone Road (#5)	63	512	29	94	14	36	24.7	40.9	1	3	1.31	0.06	0.73	122.4	41.96
to Sawmill Creek Road (#4)	74	586	20	114	0	36	33.0	39.9	0	3	2.11	0.10	1.16	176.1	60.29
to Colleton River Road (#3)	34	621	1	114	0	36	43.9	40.1	0	3	1.53	0.07	0.91	120.8	41.22
to Tanger Outlet #2 (#2)	55	675	5	119	0	36	40.9	40.2	0	3	2.14	0.10	1.11	155.6	53.28
to Moss Creek (#1)	36	711	-1	119	0	36	45.6	40.5	0	3	1.30	0.06	0.76	106.4	36.39

[-] Before-type Trip Log "Trip #46:42:06 AM", AM-period, started Tuesday 3/27/2018 6:42:06 AM ↑Contents

Entered artery 6:43:57 am (112 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	100	100	42	42	23	23	32.1	32.1	1	1	2.97	0.15	1.54	226.4	77.80
to Bluffton Fire (#14)	35	136	3	45	0	23	50.1	36.8	0	1	2.30	0.11	1.24	154.6	52.87
to Rose Hill Way (#10)	74	210	-2	43	0	23	56.7	43.9	0	1	3.14	0.15	1.90	253.4	86.69
to Belfair Plantation (#9)	51	262	5	48	0	23	49.1	44.9	0	1	2.31	0.11	1.19	161.2	55.21
to Belfair Towne Village (#8)	96	358	18	66	0	23	36.5	42.6	0	1	2.78	0.13	1.57	235.3	80.57
to Crescent Drive (#7)	102	460	44	110	35	58	25.6	38.9	1	2	2.49	0.12	1.28	196.7	67.40
to Home Depot (#6)	35	495	1	111	0	58	44.1	39.2	0	2	1.38	0.06	0.82	111.6	38.11
to Trimblestone Road (#5)	31	525	-4	107	0	58	51.3	39.9	0	2	1.14	0.05	0.69	95.2	32.53
to Sawmill Creek Road (#4)	50	575	-5	102	0	58	49.2	40.7	0	2	1.69	0.08	0.99	140.6	48.13
to Colleton River Road (#3)	28	603	-5	97	0	58	53.2	41.3	0	2	1.22	0.06	0.72	95.6	32.70
to Tanger Outlet #2 (#2)	38	641	-11	85	0	58	58.3	42.3	0	2	2.02	0.10	1.13	146.5	50.08
to Moss Creek (#1)	32	674	-4	81	0	58	50.9	42.8	0	2	0.75	0.03	0.48	74.9	25.63

Entered artery 7:09:17 am (1631 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	64	64	5	5	0	0	50.5	50.5	0	0	2.19	0.10	1.27	179.7	61.55
to Bluffton Fire (#14)	37	100	4	10	0	0	48.7	49.8	0	0	2.33	0.12	1.17	148.1	50.75
to Rose Hill Way (#10)	70	170	-7	2	0	0	60.5	54.2	0	0	4.08	0.19	2.19	278.7	95.30
to Belfair Plantation (#9)	75	245	29	31	17	17	33.6	47.9	1	1	2.34	0.12	1.17	176.5	60.67
to Belfair Towne Village (#8)	80	325	2	33	0	17	44.1	47.0	0	1	2.93	0.13	1.74	241.2	82.43
to Crescent Drive (#7)	47	372	-10	23	0	17	54.7	48.0	0	1	2.01	0.10	1.13	152.9	52.31
to Home Depot (#6)	49	421	15	38	0	17	31.4	46.0	0	1	1.63	0.08	0.83	122.0	41.82
to Trimblestone Road (#5)	87	508	52	90	47	64	18.1	41.3	1	2	1.27	0.06	0.70	112.3	38.59
to Sawmill Creek Road (#4)	55	563	1	90	0	64	44.4	41.6	0	2	2.36	0.11	1.32	178.3	60.96
to Colleton River Road (#3)	33	597	0	90	0	64	44.8	41.7	0	2	1.04	0.05	0.59	85.8	29.47
to Tanger Outlet #2 (#2)	45	641	-5	85	0	64	50.3	42.3	0	2	2.12	0.10	1.17	155.5	53.13
to Moss Creek (#1)	73	714	36	121	23	87	22.8	40.4	2	4	1.12	0.06	0.57	112.4	38.79

Entered artery 7:35:55 am (3230 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	85	85	27	27	0	0	37.7	37.7	0	0	2.20	0.10	1.35	204.7	70.12
to Bluffton Fire (#14)	62	148	30	57	0	0	28.5	33.8	0	0	1.27	0.07	0.74	123.3	42.51
to Rose Hill Way (#10)	100	248	23	80	9	9	42.1	37.2	1	1	4.34	0.20	2.32	315.4	107.87
to Belfair Plantation (#9)	102	350	56	137	44	52	24.7	33.5	1	2	3.44	0.17	1.59	216.2	74.06
to Belfair Towne Village (#8)	79	430	1	138	0	52	44.4	35.5	0	2	3.03	0.14	1.66	231.7	79.30
to Crescent Drive (#7)	81	511	24	161	15	67	31.9	35.0	1	3	2.39	0.11	1.29	194.8	66.68
to Home															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Depot (#6)	36	547	1	163	0	67	43.2	35.5	0	3	1.61	0.07	0.93	123.8	42.27
to Trimblestone Road (#5)	33	580	-2	161	0	67	47.7	36.2	0	3	0.87	0.04	0.58	85.5	29.25
to Sawmill Creek Road (#4)	46	625	-9	152	0	67	53.7	37.5	0	3	1.96	0.09	1.16	154.9	52.92
to Colleton River Road (#3)	29	654	-5	148	0	67	52.0	38.1	0	3	0.93	0.04	0.61	85.3	29.13
to Tanger Outlet #2 (#2)	342	995	292	439	298	365	6.6	27.3	1	4	1.20	0.06	0.56	204.1	70.12
to Moss Creek (#1)	375	1370	339	778	355	719	4.4	21.0	1	5	1.29	0.06	0.63	274.4	94.06

Entered artery 8:16:18 am (5653 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	68	68	9	9	0	0	47.5	47.5	0	0	3.03	0.14	1.60	216.1	73.98
to Bluffton Fire (#14)	34	102	2	11	0	0	52.0	49.0	0	0	1.77	0.09	0.97	125.4	43.07
to Rose Hill Way (#10)	114	216	37	49	33	33	36.9	42.6	1	1	3.13	0.15	1.81	256.4	87.86
to Belfair Plantation (#9)	110	326	63	112	49	82	23.0	36.0	1	2	3.02	0.14	1.46	206.3	70.61
to Belfair Towne Village (#8)	75	401	-3	109	0	82	47.0	38.1	0	2	3.15	0.15	1.69	231.6	79.24
to Crescent Drive (#7)	97	498	39	148	34	116	26.7	35.8	1	3	1.85	0.09	1.05	164.8	56.47
to Home Depot (#6)	36	534	2	150	0	116	43.1	36.3	0	3	1.76	0.08	0.98	129.2	44.11
to Trimblestone Road (#5)	32	566	-3	147	0	116	49.2	37.1	0	3	0.87	0.04	0.55	81.8	27.98
to Sawmill Creek Road (#4)	51	617	-3	144	0	116	47.5	37.9	0	3	1.50	0.07	0.97	141.1	48.23
to Colleton River Road (#3)	31	648	-2	142	0	116	47.9	38.4	0	3	0.70	0.03	0.46	71.8	24.59
to Tanger Outlet #2 (#2)	161	809	111	253	87	203	14.0	33.5	2	5	1.22	0.06	0.70	182.1	62.54
to Moss Creek (#1)	485	1294	448	701	461	664	3.4	22.3	2	7	1.76	0.08	0.86	336.8	115.52

Entered artery 8:53:01 am (7856 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	79	79	20	20	0	0	40.8	40.8	0	0	236.27	1.55	5.01	128.0	162.90
to Bluffton Fire (#14)	34	113	2	22	0	0	52.5	44.3	0	0	1.62	0.09	0.93	122.0	41.90
to Rose Hill Way (#10)	77	190	0	22	0	0	54.9	48.6	0	0	2.97	0.14	1.85	250.9	85.75
to Belfair Plantation (#9)	51	241	5	27	0	0	49.3	48.7	0	0	2.15	0.11	1.10	152.0	52.16
to Belfair Towne Village (#8)	73	314	-5	22	0	0	48.2	48.6	0	0	2.43	0.11	1.37	198.2	67.77
to Crescent Drive (#7)	113	427	55	77	54	54	23.1	41.9	1	1	1.86	0.09	1.10	165.7	56.88
to Home Depot (#6)	38	464	4	80	0	54	40.8	41.8	0	1	2.51	0.12	1.21	153.5	52.42
to Trimblestone Road (#5)	60	524	25	105	22	77	26.4	40.0	1	2	1.20	0.06	0.60	95.1	32.68
to Sawmill Creek Road (#4)	56	580	1	107	0	77	43.8	40.4	0	2	2.14	0.10	1.06	152.3	52.07

Entered artery 9:03:58 am (8513 seconds) traveling Eastbound from Tanger Outlet #2 (#2)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Moss Creek (#1)	64	64	28	28	5	5	25.6	25.6	1	1	0.71	0.04	0.39	89.6	30.88

[-] Before-type Trip Log "Trip #511:08:12 AM", Midday-period, started Tuesday 3/27/2018 11:08:11 AM ↑Contents

Entered artery 11:25:16 am (1026 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	82	82	24	24	7	7	39.2	39.2	1	1	2.26	0.10	1.32	198.7	68.03
to Bluffton Fire (#14)	34	116	1	25	0	7	52.8	43.2	0	1	2.29	0.12	1.18	146.1	50.11
to Rose Hill Way (#10)	81	197	4	29	0	7	52.0	46.8	0	1	2.40	0.16	1.61	227.6	78.56
to Belfair Plantation (#9)	49	246	3	32	0	7	51.3	47.7	0	1	1.48	0.09	0.98	138.1	47.72
to Belfair Towne Village (#8)	70	316	-9	24	0	7	50.6	48.3	0	1	1.98	0.09	1.30	189.2	64.71
to Crescent Drive (#7)	70	385	12	36	0	7	37.3	46.4	0	1	1.68	0.08	0.99	155.2	53.27
to Home Depot (#6)	36	421	1	37	0	7	43.2	46.1	0	1	1.24	0.06	0.76	105.8	36.15
to Trimblestone Road (#5)	88	509	54	91	44	52	17.8	41.2	1	2	1.19	0.06	0.63	106.8	36.68
to Sawmill Creek Road (#4)	58	567	3	94	0	52	42.3	41.3	0	2	1.72	0.08	0.99	147.6	50.45
to Colleton River Road (#3)	33	600	0	94	0	52	44.7	41.5	0	2	1.77	0.08	0.98	127.3	43.45
to Tanger Outlet #2 (#2)	67	667	17	111	13	65	33.7	40.7	1	3	1.63	0.08	0.91	143.9	49.35
to Moss Creek (#1)	37	704	1	111	0	65	44.0	40.9	0	3	1.63	0.07	0.93	124.8	42.66

Entered artery 11:52:45 am (2674 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	60	60	1	1	0	0	53.9	53.9	0	0	2.05	0.09	1.32	183.4	62.65
to Bluffton Fire (#14)	34	94	2	3	0	0	51.9	53.2	0	0	1.13	0.07	0.73	101.1	34.80
to Rose Hill Way (#10)	77	171	0	3	0	0	55.0	54.0	0	0	3.36	0.15	2.00	265.4	90.66
to Belfair Plantation (#9)	111	282	65	68	51	51	22.7	41.7	1	1	1.50	0.07	0.78	136.8	46.98
to Belfair Towne Village (#8)	112	394	34	102	29	80	31.4	38.8	1	2	3.85	0.18	1.93	271.8	92.97
to Crescent Drive (#7)	127	521	69	171	66	147	20.4	34.3	1	3	2.55	0.12	1.35	202.9	69.57
to Home Depot (#6)	89	610	55	226	44	191	17.3	31.8	1	4	2.14	0.10	0.97	141.9	48.58
to Trimblestone Road (#5)	34	644	-1	225	0	191	46.2	32.6	0	4	3.92	0.11	1.17	132.1	46.25
to Sawmill Creek Road (#4)	49	693	-6	220	0	191	50.1	33.8	0	4	1.53	0.07	1.01	142.5	48.69
to Colleton River Road (#3)	31	723	-3	217	0	191	49.0	34.4	0	4	0.76	0.04	0.52	77.7	26.59
to Tanger Outlet #2 (#2)	47	770	-3	214	0	191	47.3	35.2	0	4	1.08	0.05	0.69	107.7	36.86
to Moss Creek (#1)	39	809	3	216	0	191	42.8	35.6	0	4	1.23	0.06	0.76	109.3	37.38

Entered artery 12:25:35 pm (4644 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	104	104	45	45	29	29	31.1	31.1	1	1	3.32	0.16	1.75	242.3	82.98
to Bluffton Fire (#14)	39	143	7	52	0	29	45.3	35.0	0	1	114.08	0.93	3.86	182.5	118.64
to Rose Hill Way (#10)	72	214	-5	47	0	29	58.8	43.0	0	1	3.41	0.16	1.95	256.5	87.69
to Belfair Plantation (#9)	62	276	16	62	5	35	40.9	42.5	1	2	2.18	0.10	1.18	167.5	57.38
to Belfair Towne Village (#8)	109	385	30	93	19	54	32.5	39.7	1	3	3.60	0.17	1.88	276.1	94.52
to Crescent Drive (#7)	131	516	74	166	75	129	19.8	34.6	1	4	2.23	0.10	1.20	175.6	60.45
to Home Depot (#6)	38	555	4	171	0	129	40.0	35.0	0	4	9.51	0.16	1.26	125.4	47.05
to Trimblestone Road (#5)	34	589	0	170	0	129	45.7	35.6	0	4	1.59	0.07	0.93	122.2	41.72

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Sawmill Creek Road (#4)	62	651	7	178	0	129	39.5	36.0	0	4	1.18	0.06	0.71	121.4	41.62
to Colleton River Road (#3)	34	685	1	179	0	129	43.4	36.4	0	4	1.56	0.07	0.87	116.6	39.84
to Tanger Outlet #2 (#2)	46	731	-4	175	0	129	48.9	37.1	0	4	1.59	0.07	0.97	135.7	46.37
to Moss Creek (#1)	34	765	-2	172	0	129	48.2	37.6	0	4	0.92	0.04	0.57	85.7	29.32

Entered artery 12:56:12 pm (6481 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	81	81	23	23	0	0	39.6	39.6	0	0	2.87	0.14	1.47	214.1	73.36
to Bluffton Fire (#14)	32	114	0	23	0	0	55.3	44.0	0	0	2.51	0.12	1.27	154.3	52.77
to Rose Hill Way (#10)	78	192	1	24	0	0	54.0	48.1	0	0	2.36	0.11	1.51	216.3	74.11
to Belfair Plantation (#9)	48	239	2	26	0	0	53.0	49.1	0	0	1.79	0.08	1.08	149.0	50.96
to Belfair Towne Village (#8)	70	309	-8	17	0	0	50.5	49.4	0	0	2.58	0.12	1.51	209.1	71.67
to Crescent Drive (#7)	52	361	-6	12	0	0	49.6	49.4	0	0	1.67	0.08	1.05	149.6	51.15
to Home Depot (#6)	33	395	-1	11	0	0	46.0	49.1	0	0	0.70	0.03	0.48	75.8	25.97
to Trimblestone Road (#5)	88	483	53	64	49	49	17.9	43.4	1	1	1.27	0.06	0.69	109.2	37.55
to Sawmill Creek Road (#4)	87	570	33	97	26	74	28.0	41.1	1	2	2.57	0.12	1.35	193.9	66.40
to Colleton River Road (#3)	48	618	15	112	5	79	31.2	40.3	1	3	2.00	0.09	1.07	146.3	50.14
to Tanger Outlet #2 (#2)	47	665	-3	109	0	79	48.1	40.9	0	3	2.17	0.10	1.19	158.9	54.29
to Moss Creek (#1)	33	697	-4	105	0	79	50.3	41.3	0	3	1.21	0.06	0.69	96.6	33.05

[-] Before-type Trip Log "Trip #63:46:10 PM", PM-period, started Tuesday 3/27/2018 3:46:09 PM ↑Contents

Entered artery 4:03:11 pm (1022 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	111	111	53	53	39	39	29.0	29.0	1	1	2.59	0.12	1.45	220.4	75.49
to Bluffton Fire (#14)	41	153	9	62	0	39	43.0	32.8	0	1	1.41	0.07	0.87	121.8	41.84
to Rose Hill Way (#10)	112	264	35	97	22	62	37.8	34.9	1	2	3.35	0.16	1.93	273.8	93.73
to Belfair Plantation (#9)	52	316	6	103	0	62	48.5	37.1	0	2	2.72	0.12	1.47	192.3	65.67
to Belfair Towne Village (#8)	71	388	-7	96	0	62	49.4	39.4	0	2	1.95	0.09	1.21	181.4	62.02
to Crescent Drive (#7)	59	447	1	97	0	62	44.1	40.0	0	2	1.59	0.08	1.03	152.7	52.25
to Home Depot (#6)	35	481	1	98	0	62	44.0	40.3	0	2	0.91	0.04	0.58	87.5	29.92
to Trimblestone Road (#5)	88	569	53	151	43	105	17.9	36.9	1	3	1.23	0.06	0.69	113.7	39.01
to Sawmill Creek Road (#4)	90	659	36	186	29	134	27.3	35.5	1	4	2.42	0.11	1.36	193.3	66.20
to Colleton River Road (#3)	35	694	1	187	0	134	43.1	35.9	0	4	1.84	0.08	1.02	131.7	44.97
to Tanger Outlet #2 (#2)	43	737	-7	181	0	134	52.0	36.9	0	4	1.52	0.07	0.94	130.8	44.69
to Moss Creek (#1)	36	772	-1	180	0	134	46.2	37.3	0	4	0.81	0.04	0.53	82.8	28.33

Entered artery 4:34:37 pm (2909 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	89	89	31	31	18	18	36.2	36.2	1	1	3.45	0.17	1.69	240.7	82.48
to Bluffton															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Fire (#14)	36	125	4	34	0	18	49.7	40.0	0	1	1.49	0.08	0.87	116.6	40.06
to Rose Hill Way (#10)	81	205	4	38	0	18	52.3	44.9	0	1	2.91	0.13	1.79	247.7	84.67
to Belfair Plantation (#9)	59	265	13	51	0	18	42.8	44.4	0	1	2.50	0.12	1.29	177.2	60.69
to Belfair Towne Village (#8)	111	376	33	84	25	43	31.7	40.6	1	2	2.91	0.14	1.50	232.0	79.46
to Crescent Drive (#7)	132	508	74	158	49	92	19.7	35.2	1	3	1.96	0.09	1.17	195.4	66.92
to Home Depot (#6)	37	545	3	161	0	92	41.7	35.6	0	3	1.31	0.06	0.80	111.7	38.17
to Trimblestone Road (#5)	45	589	10	171	0	92	35.1	35.6	0	3	1.32	0.06	0.76	112.8	38.69
to Sawmill Creek Road (#4)	79	669	25	196	13	105	30.8	35.0	1	4	2.32	0.11	1.21	185.1	63.37
to Colleton River Road (#3)	36	704	2	198	0	105	42.0	35.4	0	4	1.17	0.05	0.72	102.1	34.90
to Tanger Outlet #2 (#2)	43	748	-6	191	0	105	51.7	36.3	0	4	1.80	0.08	1.05	142.3	48.65
to Moss Creek (#1)	38	786	2	193	0	105	43.0	36.6	0	4	0.95	0.04	0.54	84.7	29.02

Entered artery 5:05:00 pm (4731 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	128	128	69	69	63	63	25.4	25.4	1	1	2.91	0.14	1.48	235.7	80.86
to Bluffton Fire (#14)	36	164	4	73	0	63	48.8	30.6	0	1	2.07	0.10	1.14	145.0	49.68
to Rose Hill Way (#10)	76	240	-1	73	0	63	55.5	38.5	0	1	3.15	0.15	1.90	254.9	87.19
to Belfair Plantation (#9)	92	332	46	118	32	94	27.5	35.4	1	2	2.56	0.12	1.32	200.0	68.51
to Belfair Towne Village (#8)	104	436	26	144	0	94	33.9	35.1	0	2	2.59	0.12	1.37	220.3	75.48
to Crescent Drive (#7)	83	518	25	169	5	100	31.5	34.5	1	3	1.62	0.07	0.91	157.3	53.83
to Home Depot (#6)	39	558	5	174	0	100	39.0	34.8	0	3	1.23	0.06	0.71	103.1	35.28
to Trimblestone Road (#5)	71	628	36	210	25	124	22.2	33.4	1	4	1.46	0.07	0.74	127.0	43.50
to Sawmill Creek Road (#4)	81	709	26	236	16	140	30.3	33.1	1	5	2.35	0.11	1.22	180.7	61.96
to Colleton River Road (#3)	35	744	2	238	0	140	42.6	33.5	0	5	1.24	0.06	0.75	105.1	35.92
to Tanger Outlet #2 (#2)	43	788	-7	231	0	140	51.7	34.5	0	5	1.47	0.07	0.91	128.2	43.83
to Moss Creek (#1)	36	824	0	231	0	140	45.4	35.0	0	5	1.01	0.05	0.60	89.9	30.79

Entered artery 5:38:47 pm (6759 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	128	128	69	69	41	41	25.3	25.3	1	1	50.96	0.50	2.68	241.0	106.60
to Bluffton Fire (#14)	37	164	5	74	0	41	48.5	30.4	0	1	1.90	0.09	1.09	139.9	47.91
to Rose Hill Way (#10)	78	243	2	75	0	41	53.8	38.0	0	1	2.76	0.13	1.76	242.7	83.02
to Belfair Plantation (#9)	76	319	30	105	15	56	33.0	36.8	1	2	1.99	0.09	1.07	168.1	57.55
to Belfair Towne Village (#8)	136	455	58	163	40	95	26.0	33.6	1	3	4.48	0.20	2.12	302.6	103.86
to Crescent Drive (#7)	57	512	-1	162	0	95	45.8	34.9	0	3	1.43	0.07	0.89	136.6	46.74
to Home Depot (#6)	41	552	7	169	0	95	37.6	35.1	0	3	0.88	0.04	0.51	83.8	28.70
to Trimblestone Road (#5)	84	636	49	218	33	128	18.6	33.0	1	4	1.53	0.07	0.81	132.6	45.51
to Sawmill Creek Road (#4)	95	731	40	258	24	152	25.8	32.0	1	5	2.21	0.10	1.16	182.8	62.61
to Colleton															

River Road (#3)	35	766	2	260	0	152	42.6	32.5	0	5	1.36	0.06	0.81	110.5	37.76
to Tanger Outlet #2 (#2)	44	810	-6	254	0	152	51.0	33.5	0	5	1.43	0.07	0.90	127.7	43.66
to Moss Creek (#1)	38	848	1	255	0	152	43.6	34.0	0	5	0.88	0.04	0.54	85.1	29.17

Entered artery 6:09:59 pm (8630 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	126	126	68	68	59	59	25.5	25.5	1	1	3.13	0.15	1.53	219.5	75.22
to Bluffton Fire (#14)	37	163	5	72	0	59	48.3	30.7	0	1	2.23	0.11	1.18	149.7	51.30
to Rose Hill Way (#10)	76	239	-1	71	0	59	55.6	38.6	0	1	3.30	0.15	2.00	264.9	90.51
to Belfair Plantation (#9)	85	324	39	110	30	89	29.6	36.2	1	2	2.60	0.12	1.31	183.1	62.73
to Belfair Towne Village (#8)	83	407	4	115	0	89	42.7	37.5	0	2	8.96	0.18	1.68	217.3	77.60
to Crescent Drive (#7)	116	522	58	173	39	128	22.5	34.2	1	3	2.22	0.10	1.18	190.1	65.18
to Home Depot (#6)	35	558	1	174	0	128	43.7	34.8	0	3	1.29	0.06	0.74	104.0	35.54
to Trimblestone Road (#5)	70	627	35	209	24	152	22.5	33.4	1	4	1.43	0.07	0.75	119.1	40.79
to Sawmill Creek Road (#4)	81	709	27	236	16	168	30.1	33.0	1	5	2.18	0.10	1.21	181.1	62.04
to Colleton River Road (#3)	33	742	0	236	0	168	45.1	33.6	0	5	1.49	0.07	0.86	114.9	39.24
to Tanger Outlet #2 (#2)	48	790	-1	234	0	168	46.3	34.4	0	5	1.75	0.08	0.91	130.4	44.68
to Moss Creek (#1)	37	827	0	235	0	168	44.3	34.8	0	5	1.33	0.06	0.76	107.4	36.72

Cumulative Reports

[-] After-type Trip Log "Trip #14", AM-period, started Tuesday 6/5/2018 6:53:44 AM ↑Contents

Entered artery 7:08:11 am (868 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	634	42	9	45.4	1
to Moss Creek (#1)	606	13	24	47.5	1
to Moss Creek (#1)	682	89	67	42.2	2
to Moss Creek (#1)	607	14	16	47.4	1
to Moss Creek (#1)	588	-5	5	49.0	1

[-] After-type Trip Log "Trip #15", Midday-period, started Tuesday 6/5/2018 11:16:41 AM ↑Contents

Entered artery 11:34:06 am (1045 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	697	104	90	41.3	3
to Moss Creek (#1)	737	145	98	39.1	3
to Moss Creek (#1)	734	141	110	39.2	3
to Moss Creek (#1)	687	94	61	41.9	1

[-] After-type Trip Log "Trip #16", PM-period, started Tuesday 6/5/2018 3:41:27 PM ↑Contents

Entered artery 3:59:17 pm (1070 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	737	144	114	39.1	4
to Moss Creek (#1)	606	14	0	47.5	0
to Moss Creek (#1)	887	294	255	32.5	5

to Moss Creek (#1)	623	30	15	46.2	1
to Moss Creek (#1)	594	1	19	48.5	2

[-] After-type Trip Log "Trip #17", AM-period, started Wednesday 6/6/2018 6:46:42 AM ↑Contents

Entered artery 7:01:59 am (918 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	651	58	47	44.2	2
to Moss Creek (#1)	652	59	41	44.2	2
to Moss Creek (#1)	578	-15	0	49.8	0
to Moss Creek (#1)	602	9	8	47.9	1
to Moss Creek (#1)	569	-23	0	50.6	0

[-] After-type Trip Log "Trip #18", Midday-period, started Wednesday 6/6/2018 11:18:14 AM ↑Contents

Entered artery 11:36:26 am (1093 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	789	196	120	36.5	3
to Moss Creek (#1)	626	34	9	46.0	1
to Moss Creek (#1)	634	41	13	45.4	1
to Moss Creek (#1)	621	28	0	46.4	0

[-] After-type Trip Log "Trip #19", PM-period, started Wednesday 6/6/2018 4:06:51 PM ↑Contents

Entered artery 4:25:06 pm (1095 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	789	196	131	36.5	2
to Moss Creek (#1)	800	208	162	36.0	4
to Moss Creek (#1)	747	154	115	38.6	4
to Moss Creek (#1)	622	30	33	46.3	2

[-] Before-type Trip Log "Trip #16:39:46 AM", AM-period, started Monday 3/26/2018 6:39:44 AM ↑Contents

Entered artery 6:41:11 am (87 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	612	19	40	47.1	2
to Moss Creek (#1)	665	72	59	43.3	2
to Moss Creek (#1)	1018	425	405	28.3	4
to Moss Creek (#1)	817	224	189	35.3	3
to Moss Creek (#1)	644	52	39	44.7	2
to Moss Creek (#1)	711	118	94	40.5	2

[-] Before-type Trip Log "Trip #211:08:07 AM", Midday-period, started Monday 3/26/2018 11:08:05 AM ↑Contents

Entered artery 11:25:09 am (1024 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	703	110	81	41.0	2
to Moss Creek (#1)	787	194	115	36.6	3
to Moss Creek (#1)	775	182	83	37.2	2
to Moss Creek (#1)	817	224	156	35.2	4

[-] Before-type Trip Log "Trip #33:43:23 PM", PM-period, started Monday 3/26/2018 3:43:22 PM ↑Contents

Entered artery 3:58:48 pm (926 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	716	123	84	40.2	4
to Moss Creek (#1)	927	335	261	31.1	7
to Moss Creek (#1)	830	237	111	34.7	6
to Moss Creek (#1)	813	220	155	35.5	5
to Moss Creek (#1)	711	119	36	40.5	3

[-] Before-type Trip Log "Trip #46:42:06 AM", AM-period, started Tuesday 3/27/2018 6:42:06 AM ↑Contents

**Entered artery 6:43:57 am (112 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	674	81	58	42.8	2
to Moss Creek (#1)	714	121	87	40.4	4
to Moss Creek (#1)	1370	778	719	21.0	5
to Moss Creek (#1)	1294	701	664	22.3	7
to Sawmill Creek Road (#4)	580	107	77	40.4	2
to Moss Creek (#1)	64	28	5	25.6	1

[-] Before-type Trip Log "Trip #511:08:12 AM", Midday-period, started Tuesday 3/27/2018 11:08:11 AM ↑Contents

**Entered artery 11:25:16 am (1026 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	704	111	65	40.9	3
to Moss Creek (#1)	809	216	191	35.6	4
to Moss Creek (#1)	765	172	129	37.6	4
to Moss Creek (#1)	697	105	79	41.3	3

[-] Before-type Trip Log "Trip #63:46:10 PM", PM-period, started Tuesday 3/27/2018 3:46:09 PM ↑Contents

**Entered artery 4:03:11 pm (1022 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	772	180	134	37.3	4
to Moss Creek (#1)	786	193	105	36.6	4
to Moss Creek (#1)	824	231	140	35.0	5
to Moss Creek (#1)	848	255	152	34.0	5
to Moss Creek (#1)	827	235	168	34.8	5

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Travel Time & Delay Report for US 278

Legend:

TT:
Summarized Travel Time from previous Node (seconds)

CTT:
Summarized Cumulative Travel Time since beginning of Run (seconds)

Delay:
Summarized Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Summarized Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Summarized Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Summarized Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Summarized Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Summarized Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Summarized Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Summarized Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Summarized Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Summary of runs Eastbound from Hampton Parkway (#13)
29 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:41:11 AM to 6:09:59 PM
27 After-type runs, 5 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 7:01:59 AM to 6:12:08 PM

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)															
Average Before (n=29)	90	90	32	32	17	17	37.8	37.8	0.6	0.6	12.80	0.20	1.70	216.3	79.15
Minimum Before (n=29)	60	60	1	1	0	0	21.0	21.0	0.0	0.0	1.75	0.08	1.18	128.0	60.19
85th Percentile Before (n=29)	111	111	53	53	39	39	47.5	47.5	1.0	1.0	5.75	0.20	2.04	253.6	89.74
Maximum Before (n=29)	153	153	95	95	63	63	53.9	53.9	1.0	1.0	236.27	1.55	5.01	280.7	162.90
Std Dev Before (n=29)	*23*	*23*	*23*	*23*	*20*	*20*	*8.9*	*8.9*	*0.5*	*0.5*	*43.91*	*0.27*	*0.73*	*33.1*	*19.73*
Average After (n=27)	88	88	30	30	19	19	39.7	39.7	0.5	0.5	4.03	0.16	1.76	236.0	81.28
Minimum After (n=27)	55	55	-4	-4	0	0	22.3	22.3	0.0	0.0	2.17	0.10	1.18	188.3	64.36
85th Percentile After (n=27)	126	126	68	68	61	61	50.8	50.8	1.0	1.0	4.63	0.19	2.08	266.6	91.59
Maximum After (n=27)	145	145	86	86	78	78	59.0	59.0	1.0	1.0	11.55	0.24	2.30	298.6	102.20
Std Dev After (n=27)	*28*	*28*	*28*	*28*	*26*	*26*	*11.1*	*11.1*	*0.5*	*0.5*	*2.07*	*0.04*	*0.29*	*26.4*	*9.28*
Difference	-2	-2	-2	-2	2	2	1.9	1.9	0.0	0.0	-8.77	-0.04	0.06	19.7	2.13
Difference Minimum	-5	-5	-5	-5	0	0	1.3	1.3	0.0	0.0	0.43	0.03	0.00	60.3	4.17

Difference 85th Percentile	15	15	15	15	21	21	3.3	3.3	0.0	0.0	-1.11	-0.01	0.04	13.0	1.85
Difference Maximum	-9	-9	-9	-9	15	15	5.1	5.1	0.0	0.0	-224.72	-1.31	-2.72	17.9	-60.70
Std Dev Difference	36	36	36	36	33	33	14.2	14.2	0.7	0.7	43.95	0.27	0.79	42.4	21.81
% Difference	-2%	-2%	-6%	-6%	11%	11%	5.1%	5.1%	-6.0%	-6.0%	-68.52%	-18.59%	3.60%	9.1%	2.69%
to Bluffton Fire (#14)															
Average Before (n=29)	37	127	5	37	0	17	49.0	40.7	0.0	0.6	5.79	0.13	1.13	135.8	48.55
Minimum Before (n=29)	30	92	-2	2	0	0	28.5	26.3	0.0	0.0	1.13	0.07	0.73	101.1	34.80
85th Percentile Before (n=29)	39	153	7	62	0	39	52.5	49.0	0.0	1.0	2.51	0.12	1.27	154.6	52.87
Maximum Before (n=29)	62	190	30	100	0	63	59.0	54.0	0.0	1.0	114.08	0.93	3.86	193.2	118.64
Std Dev Before (n=29)	5	25	5	25	0	20	5.1	7.5	0.0	0.5	20.84	0.16	0.57	22.4	15.19
Average After (n=27)	35	124	3	33	0	19	51.3	42.6	0.0	0.5	3.56	0.11	1.09	133.0	46.51
Minimum After (n=27)	30	85	-2	-6	0	0	30.8	27.2	0.0	0.0	1.13	0.06	0.66	101.1	34.78
85th Percentile After (n=27)	38	163	5	72	0	61	57.4	52.9	0.0	1.0	2.59	0.13	1.32	154.1	52.85
Maximum After (n=27)	58	184	25	93	0	78	59.7	58.7	0.0	1.0	35.84	0.44	2.67	199.6	84.90
Std Dev After (n=27)	5	30	5	30	0	26	6.0	9.5	0.0	0.5	6.90	0.07	0.42	26.4	11.43
Difference	-2	-4	-2	-4	0	2	2.3	1.9	0.0	0.0	-2.23	-0.01	-0.04	-2.8	-2.03
Difference Minimum	0	-7	0	-7	0	0	2.4	1.0	0.0	0.0	0.00	0.00	-0.06	0.0	-0.02
Difference 85th Percentile	-2	10	-2	10	0	21	4.9	3.8	0.0	0.0	0.08	0.00	0.05	-0.5	-0.02
Difference Maximum	-5	-7	-5	-7	0	15	0.7	4.7	0.0	0.0	-78.24	-0.49	-1.19	6.4	-33.74
Std Dev Difference	8	39	8	39	0	33	7.9	12.1	0.0	0.7	21.95	0.17	0.71	34.7	19.01
% Difference	-4%	-3%	-34%	-10%	N/D	11%	4.7%	4.7%	N/D	-6.0%	-38.50%	-8.63%	-3.87%	-2.1%	-4.19%
to Rose Hill Way (#10)															
Average Before (n=29)	87	214	10	47	7	24	50.0	43.8	0.3	0.8	3.16	0.15	1.84	254.2	87.07
Minimum Before (n=29)	70	170	-7	2	0	0	32.1	29.5	0.0	0.0	2.36	0.11	1.50	216.3	74.11
85th Percentile Before (n=29)	112	243	35	75	22	59	56.7	49.6	1.0	1.0	3.66	0.18	2.00	273.8	93.73
Maximum Before (n=29)	132	313	55	145	40	91	60.5	54.2	1.0	2.0	4.34	0.25	2.32	315.4	107.87
Std Dev Before (n=29)	18	32	18	32	13	24	8.4	5.9	0.5	0.6	0.53	0.03	0.19	20.9	7.05
Average After (n=27)	84	208	7	40	4	22	50.7	45.4	0.2	0.7	3.36	0.16	1.89	258.8	88.60
Minimum After (n=27)	72	164	-4	-3	0	0	38.4	32.0	0.0	0.0	2.61	0.12	1.62	233.4	79.85
85th Percentile After (n=27)	100	245	23	78	7	61	55.6	52.5	1.0	1.0	3.78	0.18	2.11	273.4	93.52
Maximum After (n=27)	110	288	33	120	29	105	58.2	56.1	1.0	2.0	4.17	0.20	2.30	310.3	106.00
Std Dev After (n=27)	11	34	11	34	8	32	5.6	6.8	0.4	0.7	0.43	0.02	0.18	20.5	7.03

Difference	-3	-6	-3	-6	-3	-2	0.7	1.6	-0.1	-0.1	0.20	0.01	0.05	4.6	1.53
Difference Minimum	3	-6	3	-6	0	0	6.4	2.5	0.0	0.0	0.25	0.01	0.12	17.1	5.74
Difference 85th Percentile	-12	3	-12	3	-15	2	-1.0	3.0	0.0	0.0	0.12	0.00	0.12	-0.4	-0.22
Difference Maximum	-22	-25	-22	-25	-11	13	-2.3	1.9	0.0	0.0	-0.17	-0.05	-0.02	-5.1	-1.87
Std Dev Difference	21	47	21	47	16	40	10.1	9.0	0.6	0.9	0.68	0.04	0.26	29.3	9.95
% Difference	-3%	-3%	-28%	-14%	-50%	-7%	1.4%	3.6%	-32.9%	-15.0%	6.31%	4.01%	2.76%	1.8%	1.75%
to Belfair Plantation (#9)															
Average Before (n=29)	71	286	25	72	16	40	38.9	41.9	0.5	1.3	2.32	0.11	1.23	173.3	59.38
Minimum Before (n=29)	48	232	2	19	0	0	20.8	30.4	0.0	0.0	1.48	0.07	0.78	132.9	45.54
85th Percentile Before (n=29)	102	332	56	118	44	82	50.5	48.3	1.0	2.0	3.01	0.14	1.51	211.7	72.32
Maximum Before (n=29)	122	386	76	172	67	127	53.0	50.5	1.0	3.0	3.87	0.18	1.78	220.7	75.40
Std Dev Before (n=29)	24	42	24	42	21	34	11.1	5.8	0.5	0.8	0.62	0.03	0.25	27.8	9.48
Average After (n=27)	52	260	6	46	2	24	49.8	46.0	0.1	0.8	2.37	0.11	1.28	171.5	58.72
Minimum After (n=27)	43	209	-3	-5	0	0	34.1	34.6	0.0	0.0	1.65	0.08	0.99	137.5	47.04
85th Percentile After (n=27)	61	314	15	100	0	61	56.3	50.9	0.0	1.0	2.86	0.13	1.53	192.9	65.87
Maximum After (n=27)	74	339	28	126	19	105	58.3	56.2	1.0	2.0	3.53	0.28	1.80	224.5	76.62
Std Dev After (n=27)	8	36	8	36	5	32	6.9	6.0	0.3	0.7	0.52	0.04	0.21	21.0	7.24
Difference	-20	-26	-20	-26	-14	-16	10.9	4.1	-0.4	-0.5	0.05	0.00	0.06	-1.9	-0.66
Difference Minimum	-4	-23	-4	-23	0	0	13.4	4.2	0.0	0.0	0.17	0.01	0.21	4.6	1.51
Difference 85th Percentile	-41	-18	-41	-18	-44	-21	5.8	2.7	-1.0	-1.0	-0.14	-0.01	0.02	-18.7	-6.45
Difference Maximum	-48	-47	-48	-47	-48	-22	5.3	5.7	0.0	-1.0	-0.34	0.09	0.02	3.8	1.22
Std Dev Difference	25	56	25	56	22	47	13.1	8.3	0.6	1.0	0.81	0.05	0.33	34.8	11.93
% Difference	-27%	-9%	-77%	-36%	-90%	-40%	28.1%	9.8%	-77.0%	-37.8%	2.35%	4.15%	4.62%	-1.1%	-1.11%
to Belfair Towne Village (#8)															
Average Before (n=29)	89	375	11	83	7	48	41.1	41.3	0.3	1.7	3.01	0.13	1.56	226.3	77.58
Minimum Before (n=29)	66	309	-12	17	0	0	26.0	31.2	0.0	0.0	1.95	0.09	1.21	181.4	62.02
85th Percentile Before (n=29)	111	429	33	137	25	89	49.4	47.8	1.0	2.0	3.60	0.17	1.88	262.9	89.94
Maximum Before (n=29)	136	489	58	198	40	152	53.3	49.4	1.0	4.0	8.96	0.20	2.12	302.6	103.86
Std Dev Before (n=29)	19	46	19	46	12	37	8.0	5.0	0.5	1.0	1.30	0.03	0.24	29.9	10.25
Average After (n=27)	78	338	0	46	4	28	46.4	45.9	0.1	1.0	3.21	0.14	1.51	211.8	72.79
Minimum After (n=27)	61	285	-18	-6	0	0	25.4	32.9	0.0	0.0	2.13	0.10	1.21	178.2	60.98
85th Percentile After (n=27)	83	389	5	97	0	61	52.9	51.2	0.0	2.0	3.24	0.15	1.65	228.4	78.09
Maximum After	139	463	60	171	63	150	58.2	53.5	1.0	3.0	16.17	0.31	2.40	273.9	100.00

(n=27)														
Std Dev After (n=27)	17	45	17	45	15	39	7.0	5.6	0.4	0.9	2.63	0.04	0.24	21.5	8.11
Difference	-11	-37	-11	-37	-3	-19	5.2	4.6	-0.2	-0.7	0.20	0.00	-0.05	-14.5	-4.79
Difference Minimum	-5	-24	-5	-24	0	0	-0.5	1.7	0.0	0.0	0.17	0.01	0.00	-3.2	-1.04
Difference 85th Percentile	-28	-40	-28	-40	-25	-28	3.4	3.4	-1.0	0.0	-0.36	-0.02	-0.23	-34.5	-11.85
Difference Maximum	3	-26	3	-26	24	-2	4.8	4.1	0.0	-1.0	7.20	0.11	0.28	-28.7	-3.86
Std Dev Difference	25	65	25	65	19	54	10.6	7.5	0.6	1.4	2.93	0.05	0.34	36.9	13.07
% Difference	-12%	-10%	-100%	-45%	-41%	-40%	12.7%	11.0%	-57.0%	-41.8%	6.80%	2.47%	-3.01%	-6.4%	-6.17%

to Crescent Drive (#7)

Average Before (n=29)	85	460	27	110	23	71	34.9	39.5	0.5	2.1	1.97	0.09	1.14	170.5	58.39
Minimum Before (n=29)	47	361	-10	12	0	0	19.5	29.6	0.0	0.0	1.40	0.06	0.89	136.6	46.74
85th Percentile Before (n=29)	127	516	69	167	57	116	49.0	45.5	1.0	3.0	2.39	0.11	1.32	194.8	66.68
Maximum Before (n=29)	133	603	76	253	75	201	54.7	49.4	1.0	5.0	2.68	0.12	1.44	209.4	71.66
Std Dev Before (n=29)	31	57	31	57	28	46	12.3	5.0	0.5	1.1	0.36	0.02	0.14	19.4	6.66
Average After (n=27)	68	406	10	56	7	36	41.1	44.8	0.1	1.1	1.99	0.09	1.12	164.1	56.22
Minimum After (n=27)	51	338	-7	-12	0	0	16.9	29.4	0.0	0.0	1.10	0.05	0.70	113.9	39.05
85th Percentile After (n=27)	74	460	16	111	0	80	48.9	49.6	0.0	2.0	2.27	0.11	1.27	177.3	60.60
Maximum After (n=27)	154	608	96	258	89	230	50.7	52.8	1.0	4.0	3.06	0.14	1.55	225.3	77.09
Std Dev After (n=27)	25	62	25	62	23	55	8.6	5.7	0.4	1.2	0.42	0.02	0.19	23.3	7.98
Difference	-17	-54	-17	-54	-16	-35	6.2	5.4	-0.3	-1.0	0.02	0.00	-0.02	-6.4	-2.17
Difference Minimum	4	-23	4	-23	0	0	-2.5	-0.3	0.0	0.0	-0.30	-0.01	-0.19	-22.7	-7.69
Difference 85th Percentile	-53	-56	-53	-56	-57	-36	-0.1	4.2	-1.0	-1.0	-0.12	0.00	-0.05	-17.5	-6.08
Difference Maximum	20	5	20	5	14	29	-4.0	3.4	0.0	-1.0	0.38	0.02	0.11	15.9	5.42
Std Dev Difference	40	84	40	84	36	72	15.0	7.6	0.6	1.6	0.55	0.03	0.23	30.3	10.40
% Difference	-20%	-12%	-62%	-49%	-68%	-49%	17.8%	13.6%	-69.3%	-48.0%	1.15%	2.94%	-1.37%	-3.8%	-3.72%

to Home Depot (#6)

Average Before (n=29)	47	506	12	122	7	78	36.9	38.8	0.3	2.4	1.70	0.07	0.78	112.5	38.66
Minimum Before (n=29)	29	395	-5	11	0	0	14.7	30.4	0.0	0.0	0.47	0.02	0.29	58.5	20.10
85th Percentile Before (n=29)	68	555	34	171	17	116	44.1	44.7	1.0	3.0	2.14	0.10	1.06	138.9	47.59
Maximum Before (n=29)	105	638	71	254	59	201	53.6	49.1	1.0	5.0	9.51	0.16	1.26	160.2	55.69
Std Dev Before (n=29)	19	59	19	59	15	47	10.3	4.6	0.5	1.1	1.64	0.03	0.25	25.8	8.96
Average After (n=27)	39	445	5	61	4	40	43.2	44.3	0.1	1.2	1.27	0.06	0.73	102.9	35.23
Minimum After (n=27)	29	370	-5	-14	0	0	13.9	30.1	0.0	0.0	0.57	0.03	0.37	62.4	21.37
85th Percentile															

After (n=27)	37	504	3	120	0	80	49.3	49.0	0.0	2.0	1.63	0.08	0.90	119.6	40.81
Maximum After (n=27)	111	645	77	261	66	230	52.6	52.5	1.0	4.0	1.91	0.09	1.01	129.4	44.19
Std Dev After (n=27)	18	62	18	62	16	55	8.8	5.4	0.3	1.1	0.36	0.02	0.18	17.9	6.11
Difference	-8	-61	-8	-61	-3	-37	6.4	5.5	-0.2	-1.2	-0.43	-0.01	-0.06	-9.5	-3.43
Difference Minimum	1	-25	1	-25	0	0	-0.8	-0.4	0.0	0.0	0.10	0.00	0.08	3.8	1.26
Difference 85th Percentile	-31	-51	-31	-51	-17	-36	5.1	4.3	-1.0	-1.0	-0.51	-0.02	-0.16	-19.4	-6.78
Difference Maximum	6	7	6	7	8	29	-1.0	3.4	0.0	-1.0	-7.60	-0.07	-0.25	-30.8	-11.50
Std Dev Difference	26	86	26	86	22	72	13.6	7.1	0.5	1.6	1.68	0.04	0.31	31.4	10.84
% Difference	-16%	-12%	-61%	-50%	-37%	-48%	17.3%	14.1%	-73.1%	-50.9%	-25.45%	-11.73%	-7.31%	-8.5%	-8.87%
to Trimblestone Road (#5)															
Average Before (n=29)	55	562	21	143	15	93	33.4	37.7	0.4	2.9	1.40	0.06	0.75	111.3	38.16
Minimum Before (n=29)	30	460	-4	41	0	36	17.8	29.4	0.0	1.0	0.74	0.03	0.45	75.5	25.81
85th Percentile Before (n=29)	87	627	53	209	43	129	47.7	41.3	1.0	4.0	1.63	0.08	0.90	132.6	45.59
Maximum Before (n=29)	88	714	54	296	49	237	51.8	45.6	1.0	6.0	3.92	0.11	1.18	149.3	50.95
Std Dev Before (n=29)	23	58	23	58	19	46	12.9	3.8	0.5	1.1	0.59	0.02	0.18	20.3	6.97
Average After (n=27)	41	486	6	67	5	45	42.6	44.0	0.2	1.4	1.19	0.06	0.67	99.1	33.95
Minimum After (n=27)	29	400	-5	-19	0	0	13.6	29.4	0.0	0.0	0.79	0.04	0.47	75.9	26.07
85th Percentile After (n=27)	48	556	14	138	6	114	50.3	48.3	1.0	2.0	1.57	0.08	0.74	118.3	40.65
Maximum After (n=27)	115	713	81	294	65	255	53.5	52.4	1.0	5.0	1.98	0.09	1.00	152.8	52.36
Std Dev After (n=27)	18	72	18	72	14	60	10.2	5.5	0.4	1.3	0.34	0.02	0.14	18.7	6.43
Difference	-15	-76	-15	-76	-11	-48	9.2	6.2	-0.3	-1.5	-0.21	-0.01	-0.07	-12.2	-4.21
Difference Minimum	-1	-60	-1	-60	0	-36	-4.2	0.0	0.0	-1.0	0.05	0.00	0.01	0.5	0.26
Difference 85th Percentile	-39	-71	-39	-71	-37	-15	2.6	7.0	0.0	-2.0	-0.07	0.00	-0.17	-14.3	-4.94
Difference Maximum	27	-1	27	-1	16	18	1.7	6.8	0.0	-1.0	-1.95	-0.02	-0.17	3.5	1.41
Std Dev Difference	29	92	29	92	23	76	16.5	6.7	0.6	1.7	0.69	0.02	0.23	27.6	9.48
% Difference	-27%	-14%	-71%	-53%	-69%	-52%	27.6%	16.5%	-58.7%	-52.1%	-15.20%	-10.80%	-9.77%	-11.0%	-11.04%
to Sawmill Creek Road (#4)															
Average Before (n=29)	65	627	11	154	7	100	39.8	37.8	0.3	3.2	1.97	0.09	1.11	162.1	55.48
Minimum Before (n=29)	46	508	-9	35	0	36	25.2	29.2	0.0	2.0	1.14	0.05	0.71	120.8	41.32
85th Percentile Before (n=29)	88	709	33	236	24	147	50.7	41.3	1.0	5.0	2.39	0.11	1.32	187.3	64.13
Maximum Before (n=29)	97	802	43	329	29	261	53.7	46.1	1.0	7.0	2.72	0.13	1.40	200.3	68.55
Std Dev Before (n=29)	17	68	17	68	11	51	9.6	3.9	0.5	1.4	0.44	0.02	0.17	23.0	7.90
Average After (n=27)	49	535	-5	62	0	45	50.0	44.5	0.0	1.4	2.04	0.09	1.18	160.1	54.72
Minimum															

After (n=27)	44	446	-10	-26	0	0	44.9	30.7	0.0	0.0	1.23	0.06	0.82	124.4	42.55
85th Percentile After (n=27)	52	608	-2	135	0	114	53.0	48.8	0.0	2.0	2.46	0.12	1.39	185.8	63.42
Maximum After (n=27)	54	763	0	290	0	255	55.5	52.4	0.0	5.0	2.94	0.13	1.55	196.0	66.93
Std Dev After (n=27)	*3*	*73*	*3*	*73*	*0*	*60*	*3.0*	*5.3*	*0.0*	*1.3*	*0.43*	*0.02*	*0.19*	*19.7*	*6.71*
Difference	-16	-92	-16	-92	-7	-55	10.2	6.7	-0.3	-1.8	0.06	0.00	0.07	-2.1	-0.77
Difference Minimum	-2	-62	-2	-62	0	-36	19.7	1.5	0.0	-2.0	0.09	0.00	0.11	3.6	1.23
Difference 85th Percentile	-35	-101	-35	-101	-24	-34	2.3	7.5	-1.0	-3.0	0.07	0.00	0.07	-1.6	-0.71
Difference Maximum	-43	-39	-43	-39	-29	-5	1.9	6.3	-1.0	-2.0	0.22	0.01	0.15	-4.3	-1.62
Std Dev Difference	*17*	*100*	*17*	*100*	*11*	*79*	*10.0*	*6.6*	*0.5*	*1.9*	*0.62*	*0.03*	*0.25*	*30.3*	*10.37*
% Difference	-25%	-15%	-149%	-60%	-100%	-55%	25.7%	17.8%	-100.0%	-57.3%	3.26%	2.99%	6.43%	-1.3%	-1.38%
to Colleton River Road (#3)															
Average Before (n=28)	36	665	3	158	3	104	44.4	37.9	0.1	3.3	1.27	0.06	0.75	104.0	35.57
Minimum Before (n=28)	27	535	-6	29	0	36	13.6	29.8	0.0	2.0	0.56	0.03	0.40	66.0	22.59
85th Percentile Before (n=28)	36	742	2	236	0	152	49.5	41.5	0.0	5.0	1.77	0.08	0.98	127.3	43.45
Maximum Before (n=28)	110	835	77	329	72	261	55.0	46.5	1.0	7.0	2.00	0.09	1.07	146.3	50.14
Std Dev Before (n=28)	*15*	*71*	*15*	*71*	*14*	*52*	*7.7*	*4.0*	*0.3*	*1.4*	*0.39*	*0.02*	*0.18*	*20.2*	*6.89*
Average After (n=27)	41	576	8	70	9	53	43.3	43.9	0.1	1.5	0.97	0.05	0.56	84.5	28.97
Minimum After (n=27)	27	478	-6	-28	0	0	12.4	31.4	0.0	0.0	0.69	0.04	0.32	69.7	23.96
85th Percentile After (n=27)	43	659	10	153	0	114	51.8	48.8	0.0	3.0	1.07	0.05	0.62	88.0	30.07
Maximum After (n=27)	121	793	88	287	84	255	55.4	52.1	1.0	5.0	1.68	0.08	0.81	115.7	39.78
Std Dev After (n=27)	*27*	*78*	*27*	*78*	*25*	*62*	*12.2*	*5.4*	*0.3*	*1.3*	*0.21*	*0.01*	*0.10*	*10.6*	*3.63*
Difference	5	-89	5	-89	6	-50	-1.0	6.0	0.0	-1.8	-0.30	-0.01	-0.20	-19.6	-6.60
Difference Minimum	0	-57	0	-57	0	-36	-1.3	1.6	0.0	-2.0	0.13	0.01	-0.08	3.7	1.37
Difference 85th Percentile	7	-83	7	-83	0	-38	2.3	7.4	0.0	-2.0	-0.70	-0.03	-0.36	-39.3	-13.38
Difference Maximum	11	-42	11	-42	12	-5	0.3	5.5	0.0	-2.0	-0.32	-0.01	-0.26	-30.6	-10.36
Std Dev Difference	*31*	*105*	*31*	*105*	*28*	*81*	*14.4*	*6.7*	*0.4*	*1.9*	*0.44*	*0.02*	*0.21*	*22.8*	*7.79*
% Difference	15%	-13%	204%	-56%	209%	-48%	-2.3%	16.0%	55.6%	-55.4%	-23.35%	-18.33%	-25.97%	-18.8%	-18.55%
to Tanger Outlet #2 (#2)															
Average Before (n=28)	61	726	12	170	14	118	45.9	37.9	0.2	3.5	1.64	0.08	0.95	141.0	48.26
Minimum Before (n=28)	38	577	-11	21	0	36	6.6	27.3	0.0	2.0	1.08	0.05	0.56	107.7	36.86
85th Percentile Before (n=28)	55	795	5	239	0	168	52.8	42.3	0.0	5.0	2.12	0.10	1.13	158.9	54.29
Maximum Before (n=28)	342	995	292	439	298	365	58.3	47.1	2.0	7.0	2.56	0.12	1.41	204.1	70.12
Std Dev Before (n=28)	*59*	*91*	*59*	*91*	*58*	*73*	*11.4*	*4.5*	*0.5*	*1.4*	*0.38*	*0.02*	*0.18*	*22.3*	*7.68*

Average After (n=27)	50	626	0	69	2	56	46.4	44.0	0.2	1.7	1.72	0.08	0.98	139.1	47.61
Minimum After (n=27)	39	526	-11	-30	0	0	32.4	32.3	0.0	0.0	1.11	0.05	0.69	108.7	37.26
85th Percentile After (n=27)	61	704	12	148	10	115	52.3	49.3	1.0	3.0	2.08	0.10	1.20	159.5	54.51
Maximum After (n=27)	69	840	19	283	13	255	57.6	51.6	1.0	5.0	2.91	0.14	1.42	195.3	66.89
Std Dev After (n=27)	*8*	*80*	*8*	*80*	*5*	*63*	*6.8*	*5.2*	*0.4*	*1.4*	*0.48*	*0.02*	*0.20*	*24.0*	*8.22*
Difference	-12	-100	-12	-100	-12	-62	0.5	6.1	0.0	-1.8	0.08	0.00	0.03	-2.0	-0.66
Difference Minimum	0	-51	0	-51	0	-36	25.8	5.0	0.0	-2.0	0.03	0.00	0.14	1.0	0.40
Difference 85th Percentile	6	-91	6	-91	10	-52	-0.6	6.9	1.0	-2.0	-0.03	0.00	0.07	0.6	0.22
Difference Maximum	-272	-156	-272	-156	-284	-110	-0.7	4.5	-1.0	-2.0	0.35	0.02	0.01	-8.8	-3.23
Std Dev Difference	*60*	*121*	*60*	*121*	*58*	*96*	*13.3*	*6.9*	*0.6*	*2.0*	*0.61*	*0.03*	*0.27*	*32.8*	*11.25*
% Difference	-19%	-14%	-103%	-59%	-84%	-53%	1.1%	16.1%	3.7%	-52.4%	4.84%	5.74%	2.70%	-1.4%	-1.36%
to Moss Creek (#1)															
Average Before (n=28)	82	808	46	215	46	164	38.9	36.8	0.3	3.8	1.09	0.05	0.64	117.4	40.20
Minimum Before (n=28)	32	612	-4	19	0	36	3.4	21.0	0.0	2.0	0.67	0.03	0.38	74.9	25.63
85th Percentile Before (n=28)	73	848	36	255	23	191	48.6	41.3	1.0	5.0	1.37	0.06	0.76	120.3	41.39
Maximum Before (n=28)	485	1370	448	778	461	719	50.9	47.1	2.0	7.0	1.76	0.08	0.93	336.8	115.52
Std Dev Before (n=28)	*119*	*171*	*119*	*171*	*123*	*167*	*15.0*	*5.9*	*0.7*	*1.5*	*0.28*	*0.01*	*0.13*	*62.8*	*21.55*
Average After (n=27)	45	670	8	78	2	58	37.9	43.5	0.2	1.9	1.32	0.06	0.70	105.7	36.34
Minimum After (n=27)	34	569	-3	-23	0	0	24.5	32.5	0.0	0.0	0.48	0.02	0.32	65.4	22.75
85th Percentile After (n=27)	52	747	15	154	4	115	43.4	47.9	1.0	3.0	1.71	0.08	0.89	134.0	46.08
Maximum After (n=27)	67	887	31	294	21	255	48.8	50.6	1.0	5.0	2.80	0.12	1.05	145.7	50.04
Std Dev After (n=27)	*8*	*81*	*8*	*81*	*5*	*63*	*6.0*	*4.9*	*0.4*	*1.4*	*0.53*	*0.02*	*0.22*	*24.0*	*8.12*
Difference	-38	-138	-38	-138	-44	-106	-1.0	6.7	-0.1	-1.9	0.22	0.01	0.06	-11.6	-3.86
Difference Minimum	1	-42	1	-42	0	-36	21.0	11.4	0.0	-2.0	-0.19	-0.01	-0.06	-9.5	-2.88
Difference 85th Percentile	-21	-101	-21	-101	-19	-75	-5.3	6.6	0.0	-2.0	0.35	0.02	0.13	13.7	4.68
Difference Maximum	-417	-484	-417	-484	-440	-464	-2.1	3.5	-1.0	-2.0	1.04	0.04	0.12	-191.2	-65.48
Std Dev Difference	*119*	*190*	*119*	*190*	*123*	*179*	*16.1*	*7.7*	*0.8*	*2.0*	*0.60*	*0.03*	*0.25*	*67.2*	*23.03*
% Difference	-46%	-17%	-82%	-64%	-95%	-65%	-2.6%	18.3%	-35.2%	-51.1%	20.28%	25.95%	9.58%	-9.9%	-9.60%

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 1:00:15 PM

Travel Time & Delay Report for US 278

Legend:

TT:
  Travel Time from previous Node (seconds)
CTT:
  Cumulative Travel Time since beginning of Run (seconds)
Delay:
  Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT
CD:
  Cumulative Delay since beginning of Run (seconds) = CTT - CRT
StopD:
  Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again
CStopD:
  Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again
AS:
  Actual Average Speed from previous Node (mph) = TL/TT
CAS:
  Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT
Stops:
  Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph
CStops:
  Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph
CMEM_VC4_TCO:
  Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)
CMEM_VC4_THC:
  Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)
CMEM_VC4_TNOx:
  Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)
CMEM_VC4_TCO2:
  Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)
CMEM_VC4_TFC:
  Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Contents:

[-] Collapse All

[-] After-type Trip Log "Trip #14", AM-period, started Tuesday 6/5/2018 6:53:44 AM ↑Contents

Entered artery 6:54:39 am (55 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	31	31	-5	-5	0	0	53.3	53.3	0	0	1.61	0.08	0.88	114.2	39.22
to Colleton River Road (#3)	40	71	-10	-16	0	0	55.9	54.8	0	0	1.63	0.09	0.99	132.1	45.37
to Sawmill Creek Road (#4)	28	99	-5	-21	0	0	53.7	54.5	0	0	0.95	0.04	0.60	84.2	28.79
to Trimblestone Road (#5)	44	143	-10	-31	0	0	55.1	54.7	0	0	1.73	0.08	1.07	145.5	49.71
to Home Depot (#6)	29	173	-5	-36	0	0	52.8	54.4	0	0	0.90	0.04	0.58	82.9	28.36
to Crescent Drive (#7)	30	203	-4	-40	0	0	51.5	53.9	0	0	1.24	0.06	0.74	99.1	33.86
to Belfair Towne Village (#8)	59	261	1	-40	0	0	44.4	51.8	0	0	1.48	0.07	0.86	134.0	45.97
to Belfair Plantation (#9)	83	344	19	-21	6	6	42.2	49.5	1	1	3.72	0.17	1.92	260.7	89.20
to Rose Hill Way (#10)	52	396	6	-15	0	6	49.1	49.4	0	1	2.33	0.11	1.33	177.4	60.64
to Bluffton Fire (#14)	77	474	0	-14	0	6	54.8	50.3	0	1	3.31	0.15	1.95	260.8	89.18
to Berkeley Hall (#12)	83	557	51	37	40	45	21.4	46.0	1	2	1.05	0.05	0.59	102.1	35.15
to Hampton Parkway (#13)	72	629	14	50	0	45	44.8	45.9	0	2	3.60	0.17	1.85	244.8	83.82

Entered artery 7:29:17 am (2134 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-2	-2	0	0	48.0	48.0	0	0	15.67	0.27	2.08	191.2	71.83
to Colleton River Road (#3)	46	81	-4	-5	0	0	48.2	48.1	0	0	1.61	0.10	0.89	126.5	43.69
to Sawmill Creek Road (#4)	30	111	-4	-9	0	0	50.5	48.7	0	0	4.09	0.14	1.40	158.0	54.69
to Trimblestone Road (#5)	74	184	19	10	20	20	33.3	42.6	1	1	1.74	0.09	0.88	138.8	47.64
to Home Depot (#6)	30	215	-4	6	0	20	51.2	43.8	0	1	3.11	0.15	1.40	166.6	56.88
to Crescent Drive (#7)	58	272	23	29	21	41	26.7	40.2	1	2	1.23	0.06	0.62	106.8	36.74
to Belfair Towne Village (#8)	107	380	49	79	48	89	24.3	35.7	1	3	3.61	0.17	1.67	225.8	77.37
to Belfair Plantation (#9)	93	472	29	108	15	104	37.8	36.1	1	4	4.20	0.20	2.13	289.3	99.03
to Rose Hill Way (#10)	51	523	5	112	0	104	50.0	37.4	0	4	3.32	0.15	1.76	220.2	75.13
to Bluffton Fire (#14)	69	593	-8	105	0	104	61.2	40.2	0	4	3.97	0.19	2.18	277.4	94.81
to Berkeley Hall (#12)	29	622	-3	102	0	104	61.1	41.2	0	4	1.90	0.09	0.97	121.7	41.59
to Hampton Parkway (#13)	56	678	-2	99	0	104	57.5	42.6	0	4	2.36	0.11	1.40	187.8	64.25

Entered artery 8:01:13 am (4049 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.8	46.8	0	0	2.47	0.11	1.29	159.7	54.49
to Colleton River Road (#3)	39	75	-11	-12	0	0	56.7	52.0	0	0	1.90	0.10	1.10	143.2	49.15
to Sawmill Creek Road (#4)	27	102	-6	-18	0	0	55.7	53.0	0	0	1.01	0.05	0.62	84.8	29.01
to Trimblestone Road (#5)	53	155	-2	-20	0	0	46.4	50.7	0	0	1.06	0.05	0.63	105.3	36.20
to Home Depot (#6)	34	189	0	-20	0	0	45.0	49.7	0	0	1.21	0.05	0.74	103.8	35.47
to Crescent Drive (#7)	72	261	37	17	26	26	21.5	42.0	1	1	1.19	0.06	0.58	100.6	34.57
to Belfair Towne Village (#8)	73	334	15	33	7	33	35.6	40.6	1	2	2.44	0.11	1.31	190.9	65.30
to Belfair Plantation (#9)	89	423	25	58	7	41	39.5	40.3	1	3	3.48	0.16	1.84	256.8	87.95
to Rose Hill Way (#10)	48	471	2	60	0	41	52.9	41.6	0	3	54.86	0.57	3.09	238.2	106.81
to Bluffton Fire (#14)	72	542	-5	55	0	41	59.1	43.9	0	3	3.77	0.18	2.13	274.6	93.84
to Berkeley Hall (#12)	31	573	-1	53	0	41	57.6	44.7	0	3	1.26	0.06	0.76	102.8	35.17
to Hampton Parkway (#13)	55	628	-4	49	0	41	59.2	45.9	0	3	3.06	0.14	1.71	218.3	74.55

Entered artery 8:32:09 am (5905 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-1	-1	0	0	47.4	47.4	0	0	2.75	0.12	1.27	157.2	53.74
to Colleton River Road (#3)	41	76	-9	-10	0	0	54.0	51.0	0	0	1.82	0.10	1.06	140.5	48.25
to Sawmill Creek Road (#4)	26	102	-7	-18	0	0	58.1	52.8	0	0	1.42	0.07	0.78	100.8	34.44
to Trimblestone Road (#5)	64	166	10	-8	0	0	38.2	47.2	0	0	1.61	0.08	0.89	140.7	48.39
to Home Depot (#6)	34	200	-1	-9	0	0	45.7	46.9	0	0	1.52	0.07	0.80	108.7	37.20
to Crescent Drive (#7)	84	284	50	41	37	37	18.3	38.5	1	1	1.40	0.07	0.70	117.4	40.31

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Towne Village (#8)	78	362	21	61	7	44	33.2	37.4	1	2	2.34	0.11	1.24	187.3	64.07
to Belfair Plantation (#9)	92	454	28	89	8	52	38.3	37.5	1	3	3.56	0.17	1.87	261.2	89.38
to Rose Hill Way (#10)	52	506	6	95	0	52	48.9	38.7	0	3	2.61	0.13	1.31	175.2	59.92
to Bluffton Fire (#14)	79	585	2	97	0	52	53.8	40.7	0	3	3.20	0.15	1.86	253.2	86.64
to Berkeley Hall (#12)	79	664	47	144	29	81	22.4	38.6	1	4	1.28	0.06	0.63	115.3	39.63
to Hampton Parkway (#13)	80	744	22	166	0	81	40.4	38.8	0	4	3.35	0.15	1.77	242.6	83.03

Entered artery 9:03:03 am (7759 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	0	0	0	0	46.0	46.0	0	0	2.30	0.11	1.17	148.4	50.67
to Colleton River Road (#3)	46	82	-4	-4	0	0	48.0	47.1	0	0	1.10	0.07	0.70	108.3	37.27
to Sawmill Creek Road (#4)	30	113	-3	-7	0	0	49.9	47.8	0	0	1.39	0.06	0.82	108.5	37.03
to Trimblestone Road (#5)	63	176	9	1	5	5	38.9	44.6	1	1	1.52	0.08	0.85	135.6	46.62
to Home Depot (#6)	32	208	-3	-1	0	5	48.5	45.2	0	1	2.32	0.11	1.14	141.8	48.40
to Crescent Drive (#7)	55	263	21	20	19	24	27.9	41.6	1	2	1.19	0.06	0.59	94.7	32.53
to Belfair Towne Village (#8)	105	367	47	66	42	66	24.9	36.8	1	3	2.86	0.13	1.45	205.4	70.32
to Belfair Plantation (#9)	81	448	17	83	0	66	43.5	38.0	0	3	4.10	0.19	1.99	265.2	90.78
to Rose Hill Way (#10)	52	499	6	89	0	66	49.5	39.2	0	3	3.10	0.14	1.64	208.3	71.17
to Bluffton Fire (#14)	76	575	-1	87	0	66	56.0	41.4	0	3	3.43	0.16	2.01	266.0	90.91
to Berkeley Hall (#12)	106	681	74	161	69	135	16.7	37.6	1	4	1.24	0.07	0.68	114.2	39.42
to Hampton Parkway (#13)	67	748	8	170	0	135	48.3	38.5	0	4	3.72	0.18	1.83	239.7	81.93

[-] After-type Trip Log "Trip #15", Midday-period, started Tuesday 6/5/2018 11:16:41 AM ↑Contents

Entered artery 11:18:02 am (81 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	50.4	50.4	0	0	1.78	0.09	0.95	122.4	42.04
to Colleton River Road (#3)	59	92	9	5	8	8	37.8	42.3	1	1	1.48	0.09	0.86	133.1	45.90
to Sawmill Creek Road (#4)	35	127	2	7	0	8	42.8	42.5	0	1	2.00	0.09	1.08	138.6	47.34
to Trimblestone Road (#5)	53	181	-1	6	0	8	45.9	43.5	0	1	1.48	0.07	0.89	132.6	45.46
to Home Depot (#6)	88	269	54	60	44	53	17.6	35.0	1	2	1.34	0.06	0.74	120.4	41.36
to Crescent Drive (#7)	71	340	37	97	28	80	21.6	32.2	1	3	1.79	0.08	0.93	136.1	46.69
to Belfair Towne Village (#8)	101	441	43	140	33	113	25.8	30.7	1	4	2.97	0.14	1.49	214.3	73.40
to Belfair Plantation (#9)	69	510	5	145	0	113	51.0	33.5	0	4	3.54	0.16	1.96	255.5	87.27
to Rose Hill Way (#10)	47	557	1	146	0	113	54.0	35.2	0	4	1.95	0.09	1.16	156.4	53.46
to Bluffton Fire (#14)	73	630	-4	142	0	113	58.1	37.9	0	4	3.92	0.18	2.20	283.2	96.75
to Berkeley Hall (#12)	77	707	45	187	38	151	23.1	36.3	1	5	1.19	0.06	0.64	104.4	35.97
to Hampton Parkway (#13)	66	773	8	195	0	151	48.9	37.3	0	5	3.40	0.16	1.80	236.5	80.82

Entered artery 11:49:48 am (1988 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	40	40	3	3	0	0	41.8	41.8	0	0	1.65	0.07	0.99	133.6	45.61
to Colleton River Road (#3)	44	84	-6	-3	0	0	50.4	46.3	0	0	1.53	0.08	0.98	135.5	46.50
to Sawmill Creek Road (#4)	57	141	23	21	18	18	26.5	38.3	1	1	1.10	0.05	0.59	103.4	35.48
to Trimblestone Road (#5)	70	211	16	37	0	18	34.9	37.2	0	1	1.72	0.08	0.99	156.6	53.65
to Home Depot (#6)	37	248	2	39	0	18	42.4	37.9	0	1	1.61	0.07	0.93	124.4	42.49
to Crescent Drive (#7)	51	299	17	56	7	25	29.9	36.6	1	2	1.11	0.05	0.59	99.9	34.25
to Belfair Towne Village (#8)	64	363	6	62	0	25	40.8	37.3	0	2	8.60	0.17	1.61	187.6	67.76
to Belfair Plantation (#9)	67	430	3	65	0	25	52.3	39.6	0	2	5.77	0.17	1.80	223.7	78.07
to Rose Hill Way (#10)	55	485	9	74	0	25	46.5	40.4	0	2	1.60	0.08	0.94	139.4	47.79
to Bluffton Fire (#14)	84	569	7	81	0	25	50.5	41.9	0	2	3.13	0.15	1.88	259.5	88.77
to Berkeley Hall (#12)	82	650	50	130	35	60	21.7	39.4	1	3	1.20	0.06	0.62	108.9	37.39
to Hampton Parkway (#13)	65	715	6	137	0	60	50.0	40.3	0	3	3.47	0.17	1.78	232.7	79.61

Entered artery 12:25:24 pm (4123 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	51.2	51.2	0	0	1.26	0.06	0.78	105.6	36.05
to Colleton River Road (#3)	76	109	26	22	22	22	29.1	35.7	1	1	2.02	0.11	0.98	156.9	54.10
to Sawmill Creek Road (#4)	35	144	2	24	0	22	42.6	37.4	0	1	1.79	0.08	0.98	128.9	44.01
to Trimblestone Road (#5)	52	197	-2	22	0	22	46.8	39.9	0	1	1.44	0.07	0.84	128.0	43.85
to Home Depot (#6)	66	263	32	54	24	45	23.5	35.8	1	2	1.18	0.06	0.65	114.3	39.22
to Crescent Drive (#7)	78	341	44	98	33	79	19.6	32.0	1	3	1.68	0.08	0.88	135.2	46.38
to Belfair Towne Village (#8)	106	447	48	146	34	113	24.7	30.3	1	4	2.72	0.13	1.37	208.9	71.63
to Belfair Plantation (#9)	64	511	0	146	0	113	54.7	33.4	0	4	4.58	0.21	2.29	284.7	97.22
to Rose Hill Way (#10)	46	557	-1	146	0	113	56.0	35.2	0	4	1.56	0.07	0.98	137.0	46.85
to Bluffton Fire (#14)	79	635	2	148	0	113	53.7	37.5	0	4	2.98	0.14	1.84	251.8	86.12
to Berkeley Hall (#12)	83	719	51	199	40	153	21.4	35.6	1	5	1.35	0.07	0.65	109.1	37.47
to Hampton Parkway (#13)	63	782	5	203	0	153	51.3	36.9	0	5	3.39	0.16	1.76	229.1	78.34

Entered artery 12:56:48 pm (6007 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.0	43.0	0	0	2.14	0.10	1.18	151.3	51.65
to Colleton River Road (#3)	43	82	-7	-4	0	0	51.2	47.4	0	0	2.03	0.11	1.10	146.6	50.33
to Sawmill Creek Road (#4)	53	135	20	15	15	15	28.4	39.9	1	1	1.40	0.07	0.70	111.5	38.37
to Trimblestone Road (#5)	90	225	35	51	29	44	27.3	34.9	1	2	2.49	0.12	1.29	186.5	63.87
to Home Depot (#6)	35	260	0	51	0	44	44.7	36.2	0	2	1.93	0.09	1.01	130.2	44.51
to Crescent Drive (#7)	46	306	12	63	0	44	33.4	35.8	0	2	1.32	0.06	0.68	105.1	36.04

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Towne Village (#8)	95	401	37	100	22	66	27.5	33.8	1	3	1.79	0.08	1.02	168.3	57.72
to Belfair Plantation (#9)	70	471	6	106	0	66	50.0	36.2	0	3	3.20	0.14	1.87	247.6	84.57
to Rose Hill Way (#10)	47	517	1	106	0	66	54.7	37.9	0	3	2.05	0.10	1.18	158.2	54.09
to Bluffton Fire (#14)	88	605	11	117	5	72	48.5	39.4	1	4	3.41	0.17	1.92	263.7	90.40
to Berkeley Hall (#12)	50	655	18	135	0	72	35.4	39.1	0	4	2.19	0.10	1.15	156.8	53.73
to Hampton Parkway (#13)	67	722	8	143	0	72	48.5	40.0	0	4	3.30	0.15	1.76	233.0	79.66

[-] After-type Trip Log "Trip #16", PM-period, started Tuesday 6/5/2018 3:41:27 PM ↑Contents

Entered artery 3:45:14 pm (227 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	41	41	5	5	0	0	40.5	40.5	0	0	1.59	0.08	0.93	127.7	43.86
to Colleton River Road (#3)	44	85	-6	-1	0	0	50.3	45.5	0	0	1.45	0.08	0.88	125.1	43.03
to Sawmill Creek Road (#4)	33	118	-1	-2	0	0	46.1	45.7	0	0	0.76	0.04	0.46	73.3	25.10
to Trimblestone Road (#5)	53	171	-2	-4	0	0	46.6	46.0	0	0	1.38	0.07	0.85	129.0	44.15
to Home Depot (#6)	47	217	12	8	0	0	33.1	43.2	0	0	1.31	0.06	0.77	115.4	39.54
to Crescent Drive (#7)	34	251	0	8	0	0	45.0	43.5	0	0	1.29	0.06	0.78	107.1	36.59
to Belfair Towne Village (#8)	54	305	-4	4	0	0	48.7	44.4	0	0	1.56	0.07	0.99	144.7	49.49
to Belfair Plantation (#9)	75	380	11	15	0	0	46.7	44.8	0	0	3.05	0.15	1.68	229.8	78.73
to Rose Hill Way (#10)	51	431	5	20	0	0	50.0	45.5	0	0	1.88	0.09	1.09	152.2	52.05
to Bluffton Fire (#14)	80	511	3	23	0	0	53.1	46.6	0	0	3.25	0.15	1.93	261.8	89.52
to Berkeley Hall (#12)	33	543	0	23	0	0	54.5	47.1	0	0	1.10	0.05	0.65	92.8	31.76
to Hampton Parkway (#13)	84	628	26	49	8	8	38.4	46.0	1	1	2.20	0.11	1.19	186.1	63.82

Entered artery 4:16:44 pm (2118 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.3	43.3	0	0	1.74	0.08	1.01	133.8	45.69
to Colleton River Road (#3)	43	82	-7	-5	0	0	51.2	47.5	0	0	1.59	0.08	0.99	135.4	46.48
to Sawmill Creek Road (#4)	37	119	3	-1	0	0	41.0	45.5	0	0	0.99	0.05	0.51	80.1	27.56
to Trimblestone Road (#5)	52	171	-3	-4	0	0	47.3	46.0	0	0	2.14	0.10	1.13	155.9	53.36
to Home Depot (#6)	42	212	7	3	0	0	37.1	44.3	0	0	1.27	0.06	0.68	101.9	35.01
to Crescent Drive (#7)	34	247	0	4	0	0	44.7	44.3	0	0	1.53	0.07	0.91	120.5	41.13
to Belfair Towne Village (#8)	122	369	65	68	61	61	21.3	36.7	1	1	2.07	0.10	1.15	182.5	62.56
to Belfair Plantation (#9)	73	442	9	77	0	61	47.8	38.5	0	1	2.67	0.12	1.63	226.0	77.23
to Rose Hill Way (#10)	75	517	29	106	16	77	34.0	37.9	1	2	1.69	0.08	0.96	155.6	53.31
to Bluffton Fire (#14)	90	607	13	119	0	77	47.2	39.3	0	2	3.83	0.18	2.17	292.8	100.24
to Berkeley Hall (#12)	60	667	27	147	7	84	29.8	38.4	1	3	1.58	0.07	0.83	130.4	44.67
to Hampton Parkway (#13)	64	731	6	153	0	84	50.2	39.5	0	3	3.19	0.15	1.73	227.5	77.75

Entered artery 4:51:42 pm (4215 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	1	1	0	0	44.9	44.9	0	0	1.56	0.07	0.91	122.8	41.92
to Colleton River Road (#3)	42	80	-7	-7	0	0	52.1	48.7	0	0	1.87	0.10	1.06	141.8	48.70
to Sawmill Creek Road (#4)	58	137	24	17	17	17	26.2	39.3	1	1	1.38	0.07	0.73	117.9	40.52
to Trimblestone Road (#5)	51	189	-3	14	0	17	47.7	41.6	0	1	1.97	0.09	1.16	159.2	54.43
to Home Depot (#6)	44	232	9	23	0	17	35.5	40.4	0	1	3.27	0.10	1.00	126.3	44.13
to Crescent Drive (#7)	34	267	0	24	0	17	44.6	41.0	0	1	1.55	0.07	0.81	109.3	37.46
to Belfair Towne Village (#8)	90	356	32	56	24	41	29.1	38.0	1	2	3.54	0.15	1.55	218.6	75.35
to Belfair Plantation (#9)	64	421	0	56	0	41	54.4	40.5	0	2	3.12	0.15	1.74	229.7	78.51
to Rose Hill Way (#10)	77	498	31	87	18	59	33.3	39.4	1	3	2.82	0.14	1.34	190.9	65.45
to Bluffton Fire (#14)	79	577	2	89	0	59	53.5	41.3	0	3	4.30	0.20	2.33	301.6	103.05
to Berkeley Hall (#12)	57	634	25	114	17	77	30.9	40.4	1	4	1.67	0.08	0.78	123.6	42.47
to Hampton Parkway (#13)	60	694	1	116	0	77	54.2	41.6	0	4	4.09	0.19	2.09	260.5	89.00

Entered artery 5:26:13 pm (6286 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	0	0	0	0	45.2	45.2	0	0	3.46	0.11	1.17	140.0	48.67
to Colleton River Road (#3)	43	80	-7	-7	0	0	52.0	48.8	0	0	1.68	0.09	1.00	135.8	46.65
to Sawmill Creek Road (#4)	45	125	12	5	0	0	33.4	43.3	0	0	1.26	0.06	0.68	104.2	35.88
to Trimblestone Road (#5)	53	177	-2	3	0	0	46.5	44.2	0	0	1.88	0.09	1.08	152.8	52.27
to Home Depot (#6)	44	221	9	12	0	0	35.1	42.4	0	0	1.20	0.06	0.67	102.9	35.31
to Crescent Drive (#7)	35	256	1	13	0	0	44.2	42.7	0	0	1.47	0.07	0.83	112.8	38.54
to Belfair Towne Village (#8)	57	313	0	13	0	0	45.4	43.2	0	0	1.84	0.09	1.12	159.2	54.62
to Belfair Plantation (#9)	68	382	4	17	0	0	51.5	44.7	0	0	2.56	0.12	1.49	206.6	70.64
to Rose Hill Way (#10)	47	429	1	18	0	0	54.1	45.7	0	0	2.01	0.09	1.08	147.5	50.42
to Bluffton Fire (#14)	79	508	2	20	0	0	53.6	46.9	0	0	3.55	0.17	2.02	269.3	92.07
to Berkeley Hall (#12)	31	539	-1	19	0	0	56.5	47.5	0	0	1.35	0.06	0.80	106.4	36.39
to Hampton Parkway (#13)	57	596	-2	18	0	0	56.9	48.4	0	0	2.86	0.14	1.60	208.5	71.30

Entered artery 5:58:19 pm (8213 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	42.7	42.7	0	0	11.63	0.17	1.31	134.4	50.88
to Colleton River Road (#3)	45	84	-5	-2	0	0	49.0	46.1	0	0	1.46	0.08	0.91	128.7	44.24
to Sawmill Creek Road (#4)	37	122	4	2	0	0	40.3	44.3	0	0	1.06	0.05	0.59	88.9	30.57
to Trimblestone Road (#5)	48	170	-6	-4	0	0	50.6	46.1	0	0	2.64	0.12	1.44	185.9	63.49
to Home Depot (#6)	39	209	4	0	0	0	39.9	44.9	0	0	1.00	0.05	0.57	88.4	30.41
to Crescent Drive (#7)	37	246	3	3	0	0	41.7	44.5	0	0	3.74	0.10	1.03	119.3	42.08

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Towne Village (#8)	52	298	-5	-3	0	0	49.6	45.4	0	0	1.91	0.09	1.12	156.5	53.58
to Belfair Plantation (#9)	74	372	10	7	0	0	47.3	45.8	0	0	4.11	0.18	1.70	230.5	79.27
to Rose Hill Way (#10)	46	418	-1	7	0	0	56.1	46.9	0	0	5.91	0.18	1.69	191.1	66.94
to Bluffton Fire (#14)	72	490	-5	2	0	0	58.8	48.6	0	0	4.04	0.38	2.21	277.1	96.90
to Berkeley Hall (#12)	31	522	-1	2	0	0	56.6	49.1	0	0	1.41	0.07	0.77	103.7	35.50
to Hampton Parkway (#13)	57	579	-1	0	0	0	56.4	49.8	0	0	2.31	0.11	1.39	187.7	64.20

[-] After-type Trip Log "Trip #17", AM-period, started Wednesday 6/6/2018 6:46:42 AM ↑Contents

Entered artery 6:48:42 am (121 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	34	34	-2	-2	0	0	48.4	48.4	0	0	0.94	0.05	0.62	90.1	31.03
to Colleton River Road (#3)	45	79	-5	-8	0	0	49.8	49.2	0	0	1.40	0.08	0.93	130.4	44.76
to Sawmill Creek Road (#4)	29	108	-4	-12	0	0	51.6	49.9	0	0	0.88	0.04	0.58	82.9	28.33
to Trimblestone Road (#5)	48	157	-6	-18	0	0	50.6	50.1	0	0	1.42	0.06	0.95	136.9	46.76
to Home Depot (#6)	31	188	-3	-21	0	0	49.1	49.9	0	0	0.76	0.03	0.50	76.4	26.12
to Crescent Drive (#7)	32	220	-2	-23	0	0	47.5	49.6	0	0	0.83	0.04	0.57	84.6	28.91
to Belfair Towne Village (#8)	54	275	-4	-26	0	0	48.1	49.3	0	0	1.58	0.07	1.03	149.2	50.98
to Belfair Plantation (#9)	75	349	11	-16	0	0	46.9	48.8	0	0	2.83	0.13	1.56	217.6	74.50
to Rose Hill Way (#10)	51	400	4	-11	0	0	50.5	49.0	0	0	3.22	0.14	1.73	217.2	74.15
to Bluffton Fire (#14)	73	473	-4	-15	0	0	58.2	50.4	0	0	3.39	0.15	2.02	264.4	90.34
to Berkeley Hall (#12)	32	504	0	-16	0	0	56.0	50.8	0	0	1.26	0.06	0.76	103.2	35.31
to Hampton Parkway (#13)	57	561	-2	-18	0	0	57.2	51.4	0	0	2.60	0.12	1.52	200.9	68.69

Entered artery 7:13:42 am (1620 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	51.1	51.1	0	0	1.26	0.06	0.74	101.3	34.66
to Colleton River Road (#3)	43	75	-7	-11	0	0	51.9	51.6	0	0	1.41	0.08	0.92	127.6	43.83
to Sawmill Creek Road (#4)	29	104	-4	-16	0	0	51.9	51.7	0	0	1.05	0.05	0.66	91.1	31.13
to Trimblestone Road (#5)	51	156	-3	-19	0	0	48.0	50.5	0	0	0.98	0.05	0.69	112.2	38.41
to Home Depot (#6)	52	207	17	-2	11	11	30.1	45.4	1	1	1.31	0.06	0.67	107.8	36.98
to Crescent Drive (#7)	33	240	-1	-3	0	11	46.5	45.5	0	1	2.08	0.09	1.10	138.3	47.22
to Belfair Towne Village (#8)	67	307	9	6	6	17	39.0	44.1	1	2	2.02	0.10	1.11	164.7	56.47
to Belfair Plantation (#9)	75	382	11	17	0	17	47.1	44.7	0	2	2.98	0.14	1.69	230.8	79.00
to Rose Hill Way (#10)	47	429	1	18	0	17	54.3	45.7	0	2	2.86	0.13	1.54	194.3	66.36
to Bluffton Fire (#14)	74	502	-3	15	0	17	57.4	47.4	0	2	3.85	0.18	2.12	275.4	94.14
to Berkeley Hall (#12)	30	532	-3	12	0	17	60.0	48.1	0	2	1.40	0.07	0.82	107.4	36.73
to Hampton Parkway (#13)	54	586	-5	7	0	17	60.3	49.3	0	2	3.04	0.14	1.64	210.0	71.80

Entered artery 7:53:14 am (3993 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	50.1	50.1	0	0	1.73	0.07	0.78	105.3	36.20
to Colleton River Road (#3)	42	76	-8	-11	0	0	52.5	51.5	0	0	1.67	0.09	1.02	137.7	47.27
to Sawmill Creek Road (#4)	33	109	0	-11	0	0	45.2	49.5	0	0	0.82	0.04	0.46	72.5	24.97
to Trimblestone Road (#5)	50	159	-4	-15	0	0	48.7	49.3	0	0	2.41	0.11	1.37	180.4	61.61
to Home Depot (#6)	58	217	24	8	20	20	26.6	43.2	1	1	1.09	0.05	0.61	99.1	34.03
to Crescent Drive (#7)	32	250	-2	7	0	20	47.3	43.7	0	1	2.40	0.11	1.18	146.1	49.88
to Belfair Towne Village (#8)	61	311	3	10	0	20	42.6	43.5	0	1	1.33	0.06	0.83	132.9	45.60
to Belfair Plantation (#9)	97	408	33	43	17	36	36.2	41.8	1	2	3.99	0.19	2.04	283.7	97.12
to Rose Hill Way (#10)	46	454	0	43	0	36	55.6	43.2	0	2	3.08	0.14	1.52	191.7	65.50
to Bluffton Fire (#14)	74	528	-3	40	0	36	57.5	45.2	0	2	3.86	0.17	2.20	283.2	96.73
to Berkeley Hall (#12)	85	613	53	93	41	78	20.9	41.8	1	3	1.35	0.07	0.73	120.6	41.47
to Hampton Parkway (#13)	70	683	12	105	0	78	45.9	42.2	0	3	3.39	0.16	1.68	225.8	77.28

Entered artery 8:19:33 am (5571 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	50.5	50.5	0	0	1.14	0.05	0.72	100.4	34.29
to Colleton River Road (#3)	42	75	-8	-12	0	0	53.3	52.0	0	0	1.53	0.09	0.95	129.9	44.62
to Sawmill Creek Road (#4)	28	103	-5	-17	0	0	53.7	52.5	0	0	1.18	0.05	0.72	95.8	32.72
to Trimblestone Road (#5)	46	149	-8	-25	0	0	52.8	52.6	0	0	1.40	0.06	0.93	132.2	45.19
to Home Depot (#6)	38	187	3	-22	0	0	40.8	50.2	0	0	0.58	0.03	0.37	67.7	23.31
to Crescent Drive (#7)	39	226	5	-17	0	0	39.6	48.4	0	0	1.50	0.07	0.90	123.3	42.10
to Belfair Towne Village (#8)	62	288	4	-13	0	0	42.1	47.0	0	0	2.52	0.12	1.27	177.9	61.00
to Belfair Plantation (#9)	81	368	17	3	0	0	43.6	46.3	0	0	3.52	0.17	1.86	252.5	86.45
to Rose Hill Way (#10)	55	423	9	12	0	0	46.5	46.3	0	0	1.62	0.08	0.97	142.7	48.88
to Bluffton Fire (#14)	82	505	5	17	0	0	51.8	47.2	0	0	3.28	0.15	1.93	262.7	89.81
to Berkeley Hall (#12)	88	593	56	73	36	36	20.2	43.2	1	1	1.14	0.06	0.61	111.0	38.10
to Hampton Parkway (#13)	65	658	7	80	0	36	49.7	43.8	0	1	3.40	0.16	1.74	229.0	78.37

Entered artery 8:50:53 am (7451 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	50.4	50.4	0	0	1.61	0.07	0.91	119.6	40.81
to Colleton River Road (#3)	40	73	-10	-14	0	0	55.6	53.2	0	0	1.57	0.09	0.91	124.4	42.79
to Sawmill Creek Road (#4)	29	102	-4	-18	0	0	51.9	52.8	0	0	1.08	0.05	0.67	92.1	31.48
to Trimblestone Road (#5)	46	149	-8	-26	0	0	52.8	52.8	0	0	1.51	0.07	0.98	137.2	46.91
to Home Depot (#6)	32	181	-2	-28	0	0	47.6	51.9	0	0	0.54	0.03	0.34	59.6	20.43
to Crescent Drive (#7)	32	213	-2	-30	0	0	47.2	51.2	0	0	1.34	0.06	0.79	107.4	36.68

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Towne Village (#8)	63	276	5	-24	0	0	41.4	49.0	0	0	2.32	0.11	1.20	171.4	58.80
to Belfair Plantation (#9)	81	357	17	-8	0	0	43.4	47.7	0	0	3.29	0.15	1.72	239.2	81.92
to Rose Hill Way (#10)	49	406	3	-5	0	0	52.2	48.2	0	0	2.21	0.11	1.22	163.8	56.06
to Bluffton Fire (#14)	74	480	-3	-8	0	0	57.6	49.7	0	0	3.90	0.19	2.10	273.4	93.50
to Berkeley Hall (#12)	104	584	72	64	53	53	17.1	43.9	1	1	1.27	0.06	0.66	124.3	42.78
to Hampton Parkway (#13)	68	652	9	73	0	53	47.7	44.3	0	1	2.64	0.12	1.52	209.8	71.74

[-] After-type Trip Log "Trip #18", Midday-period, started Wednesday 6/6/2018 11:18:14 AM ↑Contents

Entered artery 11:21:28 am (195 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.0	43.0	0	0	1.72	0.09	0.98	131.0	45.00
to Colleton River Road (#3)	43	82	-7	-5	0	0	51.5	47.5	0	0	1.53	0.08	0.95	130.9	44.97
to Sawmill Creek Road (#4)	50	132	16	12	11	11	30.4	41.0	1	1	1.33	0.07	0.67	106.7	36.63
to Trimblestone Road (#5)	85	217	31	43	25	36	28.8	36.2	1	2	2.45	0.12	1.27	185.3	63.50
to Home Depot (#6)	35	251	0	43	0	36	44.8	37.4	0	2	1.72	0.08	0.90	119.7	40.91
to Crescent Drive (#7)	31	283	-3	40	0	36	49.2	38.7	0	2	1.07	0.05	0.62	88.0	30.12
to Belfair Towne Village (#8)	83	365	25	64	21	56	31.5	37.1	1	3	2.12	0.10	1.17	182.9	62.78
to Belfair Plantation (#9)	72	438	8	73	0	56	48.6	39.0	0	3	2.51	0.11	1.50	211.0	72.12
to Rose Hill Way (#10)	52	490	6	79	0	56	48.9	40.0	0	3	2.10	0.10	1.15	158.0	54.06
to Bluffton Fire (#14)	75	565	-2	77	0	56	56.3	42.2	0	3	3.74	0.17	2.15	279.7	95.54
to Berkeley Hall (#12)	75	640	43	120	30	86	23.6	40.0	1	4	1.37	0.07	0.73	121.2	41.64
to Hampton Parkway (#13)	76	716	18	138	0	86	42.3	40.3	0	4	2.50	0.12	1.46	209.2	71.66

Entered artery 11:51:48 am (2014 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	2	2	0	0	43.4	43.4	0	0	2.12	0.10	1.14	147.1	50.24
to Colleton River Road (#3)	43	82	-7	-5	0	0	51.3	47.6	0	0	1.65	0.09	1.01	137.7	47.26
to Sawmill Creek Road (#4)	48	130	15	10	11	11	31.2	41.5	1	1	1.06	0.05	0.56	93.7	32.18
to Trimblestone Road (#5)	99	229	45	55	34	45	24.7	34.2	1	2	2.59	0.12	1.36	201.5	69.06
to Home Depot (#6)	95	324	60	115	54	99	16.3	29.0	1	3	1.97	0.09	1.03	148.1	50.85
to Crescent Drive (#7)	93	417	59	174	49	148	16.6	26.2	1	4	1.82	0.09	0.90	142.1	48.70
to Belfair Towne Village (#8)	71	488	13	187	5	152	36.6	27.7	1	5	2.55	0.12	1.38	196.7	67.29
to Belfair Plantation (#9)	68	556	4	191	0	152	51.7	30.7	0	5	3.51	0.16	1.97	255.6	87.28
to Rose Hill Way (#10)	48	604	2	193	0	152	52.9	32.4	0	5	1.83	0.09	1.03	143.0	48.98
to Bluffton Fire (#14)	75	679	-2	191	0	152	56.6	35.1	0	5	4.09	0.19	2.22	286.5	97.91
to Berkeley Hall (#12)	99	778	67	258	61	213	18.0	32.9	1	6	1.37	0.07	0.78	120.4	41.57
to Hampton Parkway (#13)	62	840	3	261	0	213	52.2	34.4	0	6	4.13	0.19	2.12	266.3	90.95

Entered artery 12:30:25 pm (4331 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	41	41	5	5	0	0	40.5	40.5	0	0	1.83	0.08	1.07	142.3	48.58
to Colleton River Road (#3)	46	87	-4	1	0	0	48.2	44.6	0	0	1.22	0.07	0.82	120.9	41.54
to Sawmill Creek Road (#4)	56	143	22	23	17	17	27.2	37.8	1	1	0.93	0.05	0.54	98.0	33.68
to Trimblestone Road (#5)	81	224	27	50	18	35	30.2	35.0	1	2	2.43	0.11	1.31	189.0	64.70
to Home Depot (#6)	37	261	3	52	0	35	41.5	36.0	0	2	1.71	0.08	0.99	130.9	44.67
to Crescent Drive (#7)	69	330	35	87	19	54	22.3	33.1	1	3	1.05	0.05	0.58	110.9	38.04
to Belfair Towne Village (#8)	64	394	7	94	0	54	40.5	34.3	0	3	3.83	0.15	1.51	196.9	68.06
to Belfair Plantation (#9)	75	470	11	105	0	54	46.5	36.3	0	3	2.67	0.13	1.41	203.3	69.62
to Rose Hill Way (#10)	49	519	3	108	0	54	51.8	37.8	0	3	2.23	0.10	1.30	172.5	58.91
to Bluffton Fire (#14)	77	597	1	109	0	54	54.7	40.0	0	3	3.16	0.15	1.90	256.5	87.69
to Berkeley Hall (#12)	87	684	55	164	43	97	20.5	37.5	1	4	1.27	0.06	0.71	115.5	39.72
to Hampton Parkway (#13)	70	753	11	175	0	97	46.4	38.3	0	4	3.48	0.16	1.83	241.1	82.59

Entered artery 1:00:55 pm (6162 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	2	2	0	0	43.5	43.5	0	0	2.40	0.11	1.26	158.9	54.25
to Colleton River Road (#3)	43	81	-7	-5	0	0	51.6	47.8	0	0	1.48	0.08	0.94	130.2	44.75
to Sawmill Creek Road (#4)	53	134	19	14	17	17	28.5	40.2	1	1	1.42	0.07	0.74	115.5	39.67
to Trimblestone Road (#5)	98	233	44	58	34	51	24.9	33.7	1	2	2.30	0.11	1.21	182.4	62.46
to Home Depot (#6)	38	270	3	61	0	51	41.1	34.8	0	2	1.55	0.07	0.93	125.0	42.69
to Crescent Drive (#7)	73	343	39	100	28	79	21.1	31.9	1	3	1.05	0.05	0.64	107.1	36.86
to Belfair Towne Village (#8)	60	403	3	102	0	79	43.2	33.6	0	3	2.44	0.11	1.34	185.1	63.26
to Belfair Plantation (#9)	73	476	9	111	0	79	48.3	35.8	0	3	2.88	0.14	1.61	221.9	76.00
to Rose Hill Way (#10)	49	525	3	114	0	79	52.5	37.4	0	3	2.20	0.10	1.27	169.1	57.78
to Bluffton Fire (#14)	77	602	0	114	0	79	54.9	39.6	0	3	3.01	0.14	1.80	246.1	84.17
to Berkeley Hall (#12)	73	675	41	155	21	100	24.3	37.9	1	4	1.58	0.08	0.77	134.1	46.06
to Hampton Parkway (#13)	73	748	15	170	0	100	44.2	38.6	0	4	3.16	0.15	1.70	231.4	79.26

[-] After-type Trip Log "Trip #19", PM-period, started Wednesday 6/6/2018 4:06:51 PM ↑Contents

Entered artery 4:08:52 pm (122 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.4	43.4	0	0	2.42	0.08	0.91	120.8	41.94
to Colleton River Road (#3)	48	87	-1	0	0	0	45.7	44.7	0	0	1.48	0.08	0.92	132.1	45.38
to Sawmill Creek Road (#4)	56	143	23	23	16	16	27.0	37.7	1	1	1.51	0.07	0.81	124.6	42.78
to Trimblestone Road (#5)	55	198	0	23	0	16	44.7	39.7	0	1	1.77	0.08	1.13	159.5	54.49
to Home															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Depot (#6)	35	233	1	24	0	16	43.9	40.3	0	1	0.74	0.03	0.49	78.7	26.93
to Crescent Drive (#7)	35	268	0	25	0	16	44.4	40.8	0	1	1.03	0.05	0.62	90.7	31.06
to Belfair Towne Village (#8)	95	363	37	62	25	41	27.4	37.3	1	2	2.60	0.12	1.34	200.3	68.58
to Belfair Plantation (#9)	73	436	9	71	0	41	47.8	39.1	0	2	3.00	0.15	1.62	223.0	76.41
to Rose Hill Way (#10)	72	508	26	97	16	57	35.4	38.6	1	3	2.49	0.12	1.31	188.6	64.67
to Bluffton Fire (#14)	78	587	1	99	0	57	54.1	40.6	0	3	7.49	0.22	2.50	306.5	106.49
to Berkeley Hall (#12)	60	647	28	127	19	76	29.4	39.6	1	4	1.31	0.07	0.66	113.3	38.93
to Hampton Parkway (#13)	62	709	4	131	0	76	51.9	40.7	0	4	3.69	0.17	1.92	246.1	84.06

Entered artery 4:41:53 pm (2103 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	32	32	-5	-5	0	0	52.2	52.2	0	0	1.21	0.06	0.72	98.9	33.83
to Colleton River Road (#3)	44	76	-6	-11	0	0	50.9	51.4	0	0	1.39	0.08	0.87	123.9	42.60
to Sawmill Creek Road (#4)	28	104	-5	-16	0	0	53.5	52.0	0	0	1.17	0.05	0.70	94.4	32.26
to Trimblestone Road (#5)	45	149	-9	-25	0	0	53.9	52.6	0	0	1.51	0.07	0.95	133.4	45.66
to Home Depot (#6)	42	191	7	-18	0	0	36.9	49.1	0	0	1.78	0.09	0.91	125.5	43.09
to Crescent Drive (#7)	33	225	-1	-18	0	0	46.0	48.7	0	0	0.98	0.04	0.60	87.9	30.06
to Belfair Towne Village (#8)	57	282	-1	-19	0	0	45.6	48.0	0	0	1.64	0.08	0.96	143.1	49.01
to Belfair Plantation (#9)	67	349	3	-16	0	0	52.1	48.8	0	0	2.69	0.12	1.58	215.0	73.50
to Rose Hill Way (#10)	53	402	7	-9	0	0	48.2	48.7	0	0	1.52	0.07	0.94	138.2	47.31
to Bluffton Fire (#14)	78	480	1	-8	0	0	54.7	49.7	0	0	3.59	0.17	2.03	269.7	92.20
to Berkeley Hall (#12)	101	581	69	61	45	45	17.6	44.1	1	1	1.62	0.08	0.82	136.4	46.96
to Hampton Parkway (#13)	63	644	4	65	0	45	51.5	44.8	0	1	3.46	0.16	1.76	229.5	78.41

Entered artery 5:15:31 pm (4121 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	0	0	0	0	45.9	45.9	0	0	1.82	0.08	1.02	133.2	45.51
to Colleton River Road (#3)	43	79	-7	-7	0	0	51.8	49.1	0	0	1.59	0.08	0.98	134.5	46.17
to Sawmill Creek Road (#4)	43	122	10	2	0	0	35.0	44.1	0	0	1.26	0.06	0.64	98.4	33.83
to Trimblestone Road (#5)	54	177	0	2	0	0	45.1	44.4	0	0	2.24	0.10	1.26	172.7	59.01
to Home Depot (#6)	56	233	21	24	10	10	27.8	40.4	1	1	1.29	0.06	0.70	114.7	39.34
to Crescent Drive (#7)	35	268	1	25	0	10	43.6	40.8	0	1	1.53	0.07	0.85	114.9	39.29
to Belfair Towne Village (#8)	53	321	-5	20	0	10	49.0	42.2	0	1	1.78	0.08	1.05	149.7	51.21
to Belfair Plantation (#9)	80	401	16	37	7	16	43.7	42.5	1	2	12.70	0.27	2.57	284.5	102.18
to Rose Hill Way (#10)	46	447	-1	36	0	16	56.0	43.9	0	2	2.34	0.11	1.22	160.3	54.88
to Bluffton Fire (#14)	74	521	-3	33	0	16	57.2	45.8	0	2	3.88	0.19	2.12	275.4	94.20
to Berkeley Hall (#12)	39	560	7	40	0	16	45.9	45.8	0	2	2.23	0.11	1.02	134.0	45.93
to Hampton Parkway (#13)	61	621	3	43	0	16	52.6	46.4	0	2	2.35	0.11	1.31	182.8	62.59

Entered artery 5:44:38 pm (5868 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	47.1	47.1	0	0	6.61	0.17	1.61	173.1	61.14
to Colleton River Road (#3)	40	76	-9	-10	0	0	54.7	51.1	0	0	1.68	0.09	0.98	131.3	45.13
to Sawmill Creek Road (#4)	37	113	3	-7	0	0	41.0	47.8	0	0	0.94	0.05	0.49	77.9	26.81
to Trimblestone Road (#5)	51	164	-3	-10	0	0	48.1	47.9	0	0	2.41	0.11	1.29	172.0	58.79
to Home Depot (#6)	56	220	21	11	16	16	27.7	42.8	1	1	1.35	0.07	0.72	116.6	40.04
to Crescent Drive (#7)	39	259	5	16	0	16	39.6	42.3	0	1	1.52	0.07	0.86	118.4	40.53
to Belfair Towne Village (#8)	57	315	-1	14	0	16	45.9	42.9	0	1	3.28	0.14	1.29	174.0	60.03
to Belfair Plantation (#9)	76	391	12	26	0	16	46.2	43.6	0	1	3.74	0.18	1.89	252.4	86.47
to Rose Hill Way (#10)	53	444	7	33	0	16	48.6	44.2	0	1	2.13	0.10	1.26	170.0	58.20
to Bluffton Fire (#14)	77	521	0	33	0	16	55.2	45.8	0	1	4.45	0.21	2.36	302.3	103.30
to Berkeley Hall (#12)	30	551	-2	31	0	16	59.6	46.5	0	1	1.56	0.07	0.85	110.1	37.67
to Hampton Parkway (#13)	58	608	-1	30	0	16	56.1	47.4	0	1	2.15	0.10	1.23	171.9	58.85

[-] Before-type Trip Log "Trip #16:39:46 AM", AM-period, started Monday 3/26/2018 6:39:44 AM ↑Contents

Entered artery 6:52:07 am (743 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	0	0	0	0	45.4	45.4	0	0	0.89	0.04	0.61	92.5	31.63
to Colleton River Road (#3)	48	85	-2	-2	0	0	46.0	45.7	0	0	1.05	0.06	0.75	115.2	39.58
to Sawmill Creek Road (#4)	62	147	28	27	23	23	24.6	36.8	1	1	1.10	0.06	0.64	110.1	37.91
to Trimblestone Road (#5)	79	226	24	51	22	46	31.4	34.9	1	2	2.97	0.14	1.54	213.5	73.29
to Home Depot (#6)	36	262	2	53	0	46	42.4	36.0	0	2	1.77	0.08	0.99	130.3	44.49
to Crescent Drive (#7)	59	321	25	77	18	64	26.1	34.2	1	3	1.13	0.05	0.56	101.5	34.80
to Belfair Towne Village (#8)	57	377	-1	76	0	64	45.9	35.9	0	3	2.38	0.11	1.37	186.0	63.58
to Belfair Plantation (#9)	65	442	1	77	0	64	54.0	38.6	0	3	2.73	0.13	1.62	217.6	74.39
to Rose Hill Way (#10)	48	490	2	79	0	64	53.2	40.0	0	3	1.65	0.08	1.05	146.2	49.97
to Bluffton Fire (#14)	81	572	5	84	0	64	52.1	41.7	0	3	2.64	0.12	1.72	241.5	82.51
to Berkeley Hall (#12)	34	605	2	85	0	64	52.5	42.3	0	3	1.23	0.05	0.78	107.0	36.54
to Hampton Parkway (#13)	60	665	1	87	0	64	54.3	43.4	0	3	2.13	0.10	1.35	186.3	63.66

Entered artery 7:20:42 am (2458 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	42.8	42.8	0	0	1.79	0.08	1.01	134.2	45.83
to Colleton River Road (#3)	44	83	-6	-4	0	0	50.7	47.0	0	0	1.53	0.08	0.96	132.3	45.47
to Sawmill Creek Road (#4)	28	111	-5	-9	0	0	53.7	48.7	0	0	1.13	0.05	0.70	94.3	32.19
to Trimblestone Road (#5)	53	164	-1	-10	0	0	46.1	47.9	0	0	1.14	0.06	0.71	114.8	39.43
to Home Depot (#6)	35	199	0	-10	0	0	44.5	47.3	0	0	1.19	0.05	0.72	101.2	34.61

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Crescent Drive (#7)	34	233	0	-10	0	0	44.8	46.9	0	0	0.94	0.04	0.63	91.6	31.33
to Belfair Towne Village (#8)	52	285	-6	-16	0	0	50.3	47.5	0	0	1.77	0.08	1.10	154.8	52.91
to Belfair Plantation (#9)	65	349	1	-16	0	0	54.3	48.8	0	0	2.86	0.13	1.69	224.3	76.62
to Rose Hill Way (#10)	45	394	-1	-17	0	0	57.0	49.7	0	0	1.87	0.09	1.13	151.1	51.66
to Bluffton Fire (#14)	74	468	-3	-20	0	0	57.6	51.0	0	0	3.53	0.16	2.06	269.0	91.90
to Berkeley Hall (#12)	31	499	-1	-21	0	0	57.5	51.4	0	0	1.43	0.07	0.84	110.6	37.80
to Hampton Parkway (#13)	59	557	0	-21	0	0	55.3	51.8	0	0	1.97	0.09	1.21	170.2	58.21

Entered artery 7:51:12 am (4288 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	1	1	0	0	44.5	44.5	0	0	1.04	0.16	0.68	94.3	33.95
to Colleton River Road (#3)	46	83	-4	-4	0	0	48.7	46.8	0	0	1.42	0.08	0.91	129.2	44.38
to Sawmill Creek Road (#4)	58	141	24	21	15	15	26.2	38.4	1	1	0.92	0.04	0.44	89.2	30.61
to Trimblestone Road (#5)	93	233	38	59	29	44	26.5	33.6	1	2	2.34	0.11	1.23	183.3	62.77
to Home Depot (#6)	36	270	2	61	0	44	42.6	34.8	0	2	1.72	0.08	0.97	128.2	43.77
to Crescent Drive (#7)	33	303	-1	60	0	44	46.2	36.1	0	2	0.88	0.04	0.57	85.1	29.12
to Belfair Towne Village (#8)	54	357	-3	56	0	44	47.9	37.9	0	2	1.55	0.07	1.01	146.8	50.20
to Belfair Plantation (#9)	67	424	3	59	0	44	52.7	40.2	0	2	2.46	0.11	1.52	209.4	71.55
to Rose Hill Way (#10)	64	487	18	76	0	44	40.0	40.2	0	2	1.90	0.09	1.02	153.7	52.66
to Bluffton Fire (#14)	82	569	5	82	0	44	51.6	41.8	0	2	3.36	0.15	2.01	271.4	92.70
to Berkeley Hall (#12)	35	605	3	85	0	44	50.3	42.3	0	2	0.85	0.04	0.58	87.8	30.01
to Hampton Parkway (#13)	62	667	3	88	0	44	52.2	43.2	0	2	2.20	0.10	1.36	188.5	64.42

Entered artery 8:21:48 am (6125 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	44.5	44.5	0	0	2.28	0.10	1.23	156.0	53.22
to Colleton River Road (#3)	42	79	-8	-7	0	0	53.3	49.1	0	0	1.42	0.08	0.90	125.3	43.07
to Sawmill Creek Road (#4)	28	107	-5	-13	0	0	53.5	50.3	0	0	1.28	0.06	0.76	100.4	34.29
to Trimblestone Road (#5)	49	156	-6	-18	0	0	50.4	50.3	0	0	1.09	0.05	0.69	109.3	37.40
to Home Depot (#6)	35	191	1	-18	0	0	43.9	49.1	0	0	1.00	0.05	0.67	96.6	33.01
to Crescent Drive (#7)	44	235	10	-8	0	0	34.8	46.4	0	0	0.86	0.04	0.50	85.1	29.18
to Belfair Towne Village (#8)	58	293	0	-8	0	0	44.9	46.1	0	0	2.12	0.10	1.25	174.7	59.71
to Belfair Plantation (#9)	66	359	2	-6	0	0	53.3	47.5	0	0	2.65	0.12	1.59	215.7	73.68
to Rose Hill Way (#10)	61	420	14	9	0	0	42.2	46.7	0	0	2.05	0.10	1.09	157.7	54.07
to Bluffton Fire (#14)	80	500	4	12	0	0	52.7	47.7	0	0	3.32	0.15	1.99	268.3	91.65
to Berkeley Hall (#12)	34	534	2	14	0	0	52.8	48.0	0	0	1.33	0.06	0.79	108.0	36.94
to Hampton Parkway (#13)	59	592	0	14	0	0	55.2	48.7	0	0	2.37	0.11	1.46	196.4	67.09

Entered artery 8:48:35 am (7731 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.4	46.4	0	0	2.35	0.11	1.19	149.9	51.19
to Colleton River Road (#3)	42	78	-8	-8	0	0	52.3	49.6	0	0	1.58	0.09	0.97	133.0	45.67
to Sawmill Creek Road (#4)	29	107	-5	-13	0	0	52.6	50.4	0	0	1.02	0.05	0.62	86.9	29.72
to Trimblestone Road (#5)	52	159	-3	-16	0	0	47.4	49.4	0	0	1.78	0.09	0.99	141.5	48.51
to Home Depot (#6)	35	194	0	-15	0	0	44.2	48.5	0	0	1.45	0.07	0.83	112.6	38.47
to Crescent Drive (#7)	33	227	-1	-16	0	0	45.9	48.1	0	0	1.04	0.05	0.58	85.0	29.08
to Belfair Towne Village (#8)	49	276	-9	-25	0	0	52.9	49.0	0	0	2.20	0.10	1.31	173.5	59.26
to Belfair Plantation (#9)	63	339	-1	-26	0	0	56.1	50.3	0	0	2.77	0.13	1.64	217.3	74.26
to Rose Hill Way (#10)	44	383	-2	-28	0	0	58.3	51.2	0	0	2.18	0.10	1.26	163.8	55.96
to Bluffton Fire (#14)	75	458	-2	-30	0	0	56.6	52.1	0	0	3.18	0.15	1.90	253.7	86.70
to Berkeley Hall (#12)	33	491	1	-29	0	0	53.7	52.2	0	0	1.21	0.06	0.69	96.7	33.09
to Hampton Parkway (#13)	62	553	4	-26	0	0	52.2	52.2	0	0	2.52	0.12	1.43	194.8	66.63

Entered artery 9:13:52 am (9248 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	32	32	-4	-4	0	0	51.3	51.3	0	0	1.13	0.05	0.66	92.8	31.79
to Colleton River Road (#3)	44	77	-5	-10	0	0	50.1	50.6	0	0	1.07	0.06	0.73	110.4	37.98
to Sawmill Creek Road (#4)	53	129	19	9	11	11	28.7	41.7	1	1	0.75	0.04	0.45	86.8	29.81
to Trimblestone Road (#5)	75	204	21	30	20	32	32.7	38.4	1	2	19.72	0.29	2.09	218.3	82.98
to Home Depot (#6)	45	249	10	40	0	32	34.7	37.7	0	2	2.15	0.10	1.03	139.3	47.73
to Crescent Drive (#7)	65	314	31	71	22	53	23.5	34.8	1	3	1.68	0.08	0.93	135.9	46.56
to Belfair Towne Village (#8)	54	369	-3	68	0	53	47.8	36.7	0	3	2.48	0.11	1.42	189.4	64.68
to Belfair Plantation (#9)	62	431	-2	66	0	53	56.4	39.5	0	3	3.06	0.14	1.79	232.3	79.33
to Rose Hill Way (#10)	46	477	0	66	0	53	55.7	41.1	0	3	1.56	0.07	0.98	136.8	46.79
to Bluffton Fire (#14)	74	551	-3	63	0	53	57.3	43.3	0	3	3.91	0.18	2.20	284.0	97.03
to Berkeley Hall (#12)	31	582	-1	63	0	53	56.7	44.0	0	3	1.18	0.06	0.72	98.7	33.77
to Hampton Parkway (#13)	60	642	1	64	0	53	54.2	44.9	0	3	2.14	0.10	1.35	186.1	63.63

[-] Before-type Trip Log "Trip #211:08:07 AM", Midday-period, started Monday 3/26/2018 11:08:05 AM ↑Contents

Entered artery 11:09:11 am (66 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	2	2	0	0	43.4	43.4	0	0	2.45	0.10	1.08	140.0	48.30
to Colleton River Road (#3)	47	86	-2	-1	0	0	46.8	45.3	0	0	0.98	0.06	0.57	95.1	32.81
to Sawmill Creek Road (#4)	32	118	-2	-2	0	0	47.3	45.8	0	0	1.68	0.07	0.95	122.5	41.79
to Trimblestone Road (#5)	81	199	27	25	16	16	30.1	39.4	1	1	1.39	0.06	0.78	142.4	48.78
to Home Depot (#6)	37	236	2	27	0	16	42.0	39.8	0	1	1.35	0.06	0.84	115.7	39.52
to Crescent															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Drive (#7)	45	281	11	38	0	16	34.0	38.9	0	1	0.76	0.04	0.43	78.6	26.99
to Belfair Towne Village (#8)	58	340	1	39	0	16	44.5	39.9	0	1	2.26	0.10	1.34	183.8	62.81
to Belfair Plantation (#9)	64	404	0	39	0	16	54.8	42.2	0	1	2.91	0.13	1.71	226.4	77.31
to Rose Hill Way (#10)	86	489	40	78	19	36	29.9	40.1	1	2	1.33	0.06	0.77	142.1	48.72
to Bluffton Fire (#14)	86	575	9	87	0	36	49.5	41.5	0	2	4.08	0.18	2.26	299.6	102.31
to Berkeley Hall (#12)	34	609	2	89	0	36	52.3	42.1	0	2	1.35	0.06	0.81	109.8	37.56
to Hampton Parkway (#13)	61	670	3	91	0	36	52.9	43.1	0	2	1.88	0.09	1.23	175.3	59.93

Entered artery 11:38:03 am (1799 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	51.1	51.1	0	0	1.09	0.05	0.70	97.5	33.35
to Colleton River Road (#3)	111	144	61	57	67	67	20.0	27.1	1	1	1.57	0.10	0.95	135.8	47.20
to Sawmill Creek Road (#4)	35	179	2	59	0	67	42.8	30.2	0	1	6.86	0.14	1.35	144.9	52.12
to Trimblestone Road (#5)	49	229	-5	54	0	67	49.6	34.4	0	1	1.36	0.06	0.85	126.4	43.27
to Home Depot (#6)	35	264	1	55	0	67	43.7	35.6	0	1	9.07	0.16	1.36	129.6	48.42
to Crescent Drive (#7)	49	313	15	70	0	67	31.2	34.9	0	1	0.98	0.05	0.55	94.4	32.41
to Belfair Towne Village (#8)	213	526	155	225	151	218	12.2	25.7	1	2	2.36	0.11	1.31	245.9	84.31
to Belfair Plantation (#9)	71	597	7	232	0	218	49.4	28.6	0	2	3.26	0.15	1.85	245.8	83.99
to Rose Hill Way (#10)	66	663	20	252	0	218	38.7	29.6	0	2	1.37	0.06	0.80	133.0	45.55
to Bluffton Fire (#14)	87	751	10	263	0	218	48.5	31.8	0	2	3.41	0.15	2.10	285.7	97.54
to Berkeley Hall (#12)	36	786	3	266	0	218	50.0	32.6	0	2	0.83	0.04	0.58	88.4	30.21
to Hampton Parkway (#13)	64	850	6	272	0	218	50.4	33.9	0	2	1.96	0.09	1.28	182.8	62.47

Entered artery 12:11:17 pm (3793 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.1	43.1	0	0	2.02	0.09	1.13	146.5	50.01
to Colleton River Road (#3)	45	84	-5	-3	0	0	49.2	46.4	0	0	1.09	0.06	0.75	112.7	38.76
to Sawmill Creek Road (#4)	31	115	-2	-5	0	0	48.7	47.0	0	0	0.97	0.04	0.64	90.2	30.82
to Trimblestone Road (#5)	58	173	4	-2	0	0	42.2	45.4	0	0	1.18	0.06	0.77	124.4	42.74
to Home Depot (#6)	36	209	2	0	0	0	42.7	45.0	0	0	158.72	1.09	3.59	83.7	108.40
to Crescent Drive (#7)	38	247	4	4	0	0	39.9	44.2	0	0	0.86	0.04	0.51	81.6	27.93
to Belfair Towne Village (#8)	146	394	89	93	75	75	17.8	34.4	1	1	2.49	0.12	1.16	189.6	65.05
to Belfair Plantation (#9)	74	468	10	103	0	75	47.4	36.4	0	1	2.77	0.13	1.52	214.0	73.12
to Rose Hill Way (#10)	54	522	8	111	0	75	47.7	37.6	0	1	1.93	0.09	1.21	167.3	57.14
to Bluffton Fire (#14)	102	624	25	136	21	96	41.5	38.2	1	2	4.43	0.21	2.31	307.1	105.17
to Berkeley Hall (#12)	36	660	4	140	0	96	49.2	38.8	0	2	2.87	0.13	1.42	173.5	59.19
to Hampton Parkway (#13)	55	715	-3	137	0	96	58.3	40.4	0	2	2.70	0.12	1.57	204.4	69.83

Entered artery 12:40:49 pm (5564 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	43.8	43.8	0	0	1.80	0.08	1.06	138.7	47.35
to Colleton River Road (#3)	45	83	-5	-3	0	0	49.4	46.8	0	0	1.22	0.07	0.75	111.5	38.35
to Sawmill Creek Road (#4)	31	114	-2	-6	0	0	48.3	47.2	0	0	1.22	0.05	0.76	102.4	34.97
to Trimblestone Road (#5)	52	166	-3	-9	0	0	47.5	47.3	0	0	1.20	0.06	0.76	118.4	40.61
to Home Depot (#6)	38	204	4	-5	0	0	40.4	46.0	0	0	1.17	0.05	0.68	99.4	34.06
to Crescent Drive (#7)	33	237	-1	-6	0	0	46.7	46.1	0	0	0.87	0.04	0.57	84.4	28.89
to Belfair Towne Village (#8)	131	367	73	67	73	73	20.0	36.8	1	1	2.09	0.10	1.19	183.1	62.82
to Belfair Plantation (#9)	83	451	19	86	0	73	42.0	37.8	0	1	7.86	0.21	2.13	262.5	92.09
to Rose Hill Way (#10)	53	504	7	93	0	73	48.3	38.9	0	1	2.94	0.13	1.61	206.9	70.68
to Bluffton Fire (#14)	111	615	34	127	33	106	38.2	38.8	1	2	3.47	0.17	2.00	274.8	94.28
to Berkeley Hall (#12)	39	653	7	134	0	106	45.8	39.2	0	2	2.60	0.12	1.27	160.7	54.86
to Hampton Parkway (#13)	62	716	4	137	0	106	52.1	40.3	0	2	2.14	0.10	1.35	188.3	64.37

Entered artery 1:11:03 pm (7378 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	32	32	-4	-4	0	0	51.5	51.5	0	0	0.65	0.03	0.43	69.9	23.97
to Colleton River Road (#3)	45	77	-5	-9	0	0	49.4	50.3	0	0	1.21	0.07	0.81	118.6	40.78
to Sawmill Creek Road (#4)	84	161	51	41	41	41	18.0	33.4	1	1	1.43	0.07	0.70	110.9	38.06
to Trimblestone Road (#5)	74	236	20	61	0	41	33.1	33.3	0	1	1.71	0.08	0.91	150.0	51.37
to Home Depot (#6)	36	272	2	63	0	41	42.7	34.6	0	1	1.58	0.07	0.88	119.0	40.66
to Crescent Drive (#7)	43	314	8	71	0	41	36.1	34.8	0	1	1.00	0.05	0.57	91.3	31.35
to Belfair Towne Village (#8)	58	372	0	71	0	41	45.2	36.4	0	1	1.74	0.08	1.11	160.2	54.77
to Belfair Plantation (#9)	66	437	2	73	0	41	53.5	39.0	0	1	2.60	0.12	1.60	216.3	73.86
to Rose Hill Way (#10)	67	505	21	94	9	50	38.0	38.8	1	2	1.70	0.08	0.98	151.6	51.98
to Bluffton Fire (#14)	83	588	6	100	0	50	51.2	40.6	0	2	4.17	0.19	2.39	310.1	105.88
to Berkeley Hall (#12)	33	620	1	100	0	50	54.3	41.3	0	2	1.09	0.05	0.71	98.7	33.74
to Hampton Parkway (#13)	58	678	-1	99	0	50	56.3	42.6	0	2	2.48	0.12	1.44	193.1	66.03

[-] Before-type Trip Log "Trip #33:43:23 PM", PM-period, started Monday 3/26/2018 3:43:22 PM ↑Contents

Entered artery 3:44:39 pm (78 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	43.8	43.8	0	0	1.54	0.08	0.90	122.1	41.93
to Colleton River Road (#3)	43	82	-6	-5	0	0	51.0	47.6	0	0	1.46	0.08	0.92	128.3	44.09
to Sawmill Creek Road (#4)	30	112	-3	-8	0	0	50.2	48.3	0	0	0.99	0.04	0.63	88.3	30.19
to Trimblestone Road (#5)	53	165	-1	-10	0	0	46.3	47.7	0	0	1.08	0.05	0.75	118.9	40.71
to Home Depot (#6)	71	236	37	27	25	25	21.6	39.8	1	1	1.11	0.05	0.64	109.4	37.51
to Crescent															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Drive (#7)	37	273	3	30	0	25	41.6	40.0	0	1	1.42	0.06	0.89	120.5	41.12
to Belfair Towne Village (#8)	51	324	-7	23	0	25	51.1	41.8	0	1	1.74	0.08	1.11	154.4	52.76
to Belfair Plantation (#9)	67	391	3	26	0	25	52.1	43.5	0	1	2.38	0.11	1.49	206.3	70.51
to Rose Hill Way (#10)	46	437	0	26	0	25	55.6	44.8	0	1	1.90	0.09	1.10	149.6	51.12
to Bluffton Fire (#14)	77	515	1	27	0	25	54.8	46.3	0	1	3.64	0.17	2.05	271.0	92.64
to Berkeley Hall (#12)	39	553	7	33	0	25	45.7	46.3	0	1	0.89	0.04	0.53	83.9	28.77
to Hampton Parkway (#13)	60	614	2	35	0	25	53.8	47.0	0	1	2.94	0.13	1.69	220.8	75.42

Entered artery 4:12:36 pm (1754 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	42.7	42.7	0	0	2.18	0.10	1.18	152.0	51.89
to Colleton River Road (#3)	62	101	12	15	11	11	35.7	38.4	1	1	1.72	0.10	0.94	142.6	49.11
to Sawmill Creek Road (#4)	32	134	-1	14	0	11	46.8	40.4	0	1	1.98	0.09	1.03	131.1	44.73
to Trimblestone Road (#5)	47	180	-8	6	0	11	52.5	43.6	0	1	1.70	0.08	0.99	138.3	47.31
to Home Depot (#6)	72	252	37	43	32	43	21.6	37.3	1	2	1.63	0.08	0.80	121.2	41.60
to Crescent Drive (#7)	47	299	13	56	0	43	32.8	36.6	0	2	1.40	0.06	0.74	111.1	38.05
to Belfair Towne Village (#8)	63	362	5	61	0	43	41.2	37.4	0	2	2.19	0.10	1.26	179.1	61.40
to Belfair Plantation (#9)	67	429	3	64	0	43	52.4	39.7	0	2	3.07	0.14	1.77	233.6	79.82
to Rose Hill Way (#10)	47	476	1	65	0	43	54.0	41.2	0	2	1.99	0.10	1.10	149.2	51.10
to Bluffton Fire (#14)	76	552	-1	64	0	43	55.8	43.2	0	2	3.48	0.17	1.92	256.3	87.70
to Berkeley Hall (#12)	36	588	4	68	0	43	49.7	43.6	0	2	1.15	0.05	0.69	98.9	33.81
to Hampton Parkway (#13)	58	646	-1	67	0	43	56.1	44.7	0	2	2.97	0.14	1.69	218.5	74.64

Entered artery 4:44:51 pm (3690 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-1	-1	0	0	47.3	47.3	0	0	1.65	0.07	0.97	127.4	43.48
to Colleton River Road (#3)	44	79	-6	-7	0	0	50.7	49.2	0	0	1.13	0.07	0.76	113.0	38.87
to Sawmill Creek Road (#4)	30	109	-4	-11	0	0	51.0	49.7	0	0	1.08	0.05	0.67	92.8	31.69
to Trimblestone Road (#5)	58	166	3	-8	0	0	42.6	47.2	0	0	1.27	0.06	0.78	124.9	42.77
to Home Depot (#6)	41	207	6	-2	0	0	37.9	45.4	0	0	0.97	0.05	0.55	87.9	30.16
to Crescent Drive (#7)	115	322	81	79	68	68	13.3	33.9	1	1	1.37	0.07	0.72	121.6	41.78
to Belfair Towne Village (#8)	83	405	25	104	15	83	31.5	33.4	1	2	3.65	0.14	1.51	209.7	72.25
to Belfair Plantation (#9)	81	486	17	122	0	83	43.1	35.0	0	2	3.14	0.15	1.70	236.8	81.07
to Rose Hill Way (#10)	53	539	7	128	0	83	48.3	36.3	0	2	2.01	0.09	1.18	163.1	55.76
to Bluffton Fire (#14)	86	625	9	137	0	83	49.6	38.1	0	2	2.99	0.14	1.70	241.0	82.40
to Berkeley Hall (#12)	40	665	8	145	0	83	44.6	38.5	0	2	1.05	0.05	0.68	101.5	34.73
to Hampton Parkway (#13)	64	729	6	150	0	83	50.5	39.6	0	2	2.35	0.11	1.41	195.0	66.63

Entered artery 5:16:29 pm (5587 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	50.1	50.1	0	0	1.51	0.07	0.84	112.0	38.33
to Colleton River Road (#3)	42	75	-8	-11	0	0	52.8	51.6	0	0	1.64	0.09	0.97	131.9	45.34
to Sawmill Creek Road (#4)	28	103	-6	-17	0	0	54.7	52.4	0	0	1.20	0.05	0.72	95.4	32.58
to Trimblestone Road (#5)	47	150	-8	-25	0	0	52.5	52.5	0	0	1.28	0.06	0.83	121.9	41.74
to Home Depot (#6)	58	208	23	-1	12	12	26.7	45.3	1	1	1.36	0.06	0.73	119.5	40.91
to Crescent Drive (#7)	104	312	70	69	58	70	14.7	35.1	1	2	1.79	0.08	0.89	138.3	47.38
to Belfair Towne Village (#8)	143	455	85	154	69	139	18.2	29.8	1	3	2.43	0.11	1.33	221.4	75.90
to Belfair Plantation (#9)	65	520	1	155	0	139	54.2	32.8	0	3	3.06	0.14	1.76	231.8	79.23
to Rose Hill Way (#10)	45	565	-1	154	0	139	56.6	34.7	0	3	2.04	0.09	1.20	158.4	54.15
to Bluffton Fire (#14)	75	639	-2	152	0	139	56.9	37.3	0	3	3.20	0.15	1.91	255.1	87.17
to Berkeley Hall (#12)	38	677	5	157	0	139	47.3	37.8	0	3	1.26	0.06	0.72	103.1	35.29
to Hampton Parkway (#13)	77	754	19	176	12	151	41.9	38.3	1	4	2.83	0.14	1.52	210.1	72.04

Entered artery 5:48:47 pm (7525 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	0	0	0	0	46.0	46.0	0	0	7.66	0.17	1.54	169.6	60.42
to Colleton River Road (#3)	41	78	-9	-9	0	0	53.6	50.0	0	0	1.46	0.08	0.93	127.7	43.86
to Sawmill Creek Road (#4)	46	124	13	4	10	10	32.7	43.6	1	1	1.04	0.05	0.60	97.3	33.44
to Trimblestone Road (#5)	54	178	0	4	0	10	45.2	44.1	0	1	2.14	0.10	1.27	173.5	59.27
to Home Depot (#6)	60	238	26	29	8	17	25.6	39.4	1	2	1.02	0.05	0.55	102.4	35.20
to Crescent Drive (#7)	47	286	13	43	0	17	32.3	38.2	0	2	1.22	0.06	0.65	103.5	35.46
to Belfair Towne Village (#8)	58	344	0	43	0	17	45.1	39.4	0	2	3.02	0.14	1.47	195.7	67.06
to Belfair Plantation (#9)	65	409	1	44	0	17	53.7	41.7	0	2	2.52	0.11	1.55	211.5	72.25
to Rose Hill Way (#10)	46	455	0	44	0	17	55.4	43.1	0	2	1.97	0.09	1.20	159.4	54.44
to Bluffton Fire (#14)	72	527	-5	39	0	17	58.6	45.2	0	2	3.56	0.16	2.07	269.6	92.07
to Berkeley Hall (#12)	34	561	2	41	0	17	52.8	45.7	0	2	0.87	0.04	0.58	86.1	29.49
to Hampton Parkway (#13)	58	619	-1	40	0	17	56.0	46.6	0	2	2.69	0.12	1.53	202.5	69.19

Entered artery 6:17:25 pm (9244 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	1	1	0	0	44.8	44.8	0	0	1.54	0.07	0.91	123.0	42.02
to Colleton River Road (#3)	58	96	9	9	0	0	37.9	40.6	0	0	1.44	0.08	0.82	128.8	44.42
to Sawmill Creek Road (#4)	32	128	-2	8	0	0	47.5	42.3	0	0	5.24	0.12	1.24	139.4	49.27
to Trimblestone Road (#5)	52	179	-3	5	0	0	47.3	43.8	0	0	1.23	0.06	0.77	119.6	40.97
to Home Depot (#6)	66	246	32	37	22	22	23.3	38.2	1	1	1.51	0.07	0.78	121.4	41.63
to Crescent Drive (#7)	84	330	50	86	39	61	18.4	33.2	1	2	1.43	0.07	0.77	121.4	41.66
to Belfair Towne Village (#8)	122	451	64	151	57	118	21.4	30.0	1	3	2.81	0.13	1.45	210.1	71.98

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Plantation (#9)	66	518	2	153	0	118	53.0	32.9	0	3	4.56	0.21	2.37	294.2	100.43
to Rose Hill Way (#10)	40	558	-6	147	0	118	63.3	35.1	0	3	2.54	0.12	1.25	159.5	54.50
to Bluffton Fire (#14)	77	634	0	147	0	118	55.3	37.6	0	3	3.09	0.15	1.79	244.3	83.60
to Berkeley Hall (#12)	34	669	2	149	0	118	51.7	38.3	0	3	1.06	0.05	0.66	95.1	32.56
to Hampton Parkway (#13)	55	724	-4	145	0	118	58.8	39.9	0	3	3.26	0.15	1.79	226.8	77.45

[-] Before-type Trip Log "Trip #46:42:06 AM", AM-period, started Tuesday 3/27/2018 6:42:06 AM ↑Contents

Entered artery 6:56:17 am (851 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.3	46.3	0	0	4.08	0.14	1.45	168.1	58.19
to Colleton River Road (#3)	40	76	-10	-11	0	0	56.0	51.4	0	0	2.09	0.11	1.18	151.9	52.07
to Sawmill Creek Road (#4)	26	102	-7	-18	0	0	57.2	52.9	0	0	0.97	0.05	0.61	83.2	28.47
to Trimblestone Road (#5)	46	148	-8	-26	0	0	52.9	52.9	0	0	1.17	0.06	0.76	114.8	39.34
to Home Depot (#6)	33	181	-2	-28	0	0	47.2	51.9	0	0	0.95	0.04	0.60	87.7	30.02
to Crescent Drive (#7)	60	241	26	-2	15	15	25.4	45.3	1	1	0.78	0.04	0.44	92.1	31.63
to Belfair Towne Village (#8)	57	299	-1	-2	0	15	45.6	45.3	0	1	2.73	0.13	1.40	188.0	64.29
to Belfair Plantation (#9)	70	368	6	3	0	15	50.4	46.3	0	1	2.44	0.11	1.50	209.3	71.57
to Rose Hill Way (#10)	47	416	1	5	0	15	53.8	47.1	0	1	1.85	0.09	1.11	151.3	51.73
to Bluffton Fire (#14)	80	495	3	7	0	15	53.3	48.1	0	1	3.08	0.14	1.89	257.5	88.02
to Berkeley Hall (#12)	32	527	0	7	0	15	55.2	48.6	0	1	1.12	0.05	0.70	98.1	33.51
to Hampton Parkway (#13)	63	590	4	12	0	15	51.6	48.9	0	1	2.03	0.09	1.33	186.8	63.80

Entered artery 7:23:34 am (2489 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	44.3	44.3	0	0	1.64	0.07	0.97	129.8	44.31
to Colleton River Road (#3)	43	81	-7	-6	0	0	51.7	48.2	0	0	1.36	0.08	0.89	124.7	42.85
to Sawmill Creek Road (#4)	29	109	-5	-10	0	0	52.2	49.3	0	0	1.04	0.05	0.65	90.2	30.80
to Trimblestone Road (#5)	48	157	-6	-17	0	0	51.0	49.8	0	0	1.50	0.07	0.93	133.8	45.81
to Home Depot (#6)	31	189	-4	-20	0	0	49.8	49.8	0	0	0.91	0.04	0.56	82.0	28.04
to Crescent Drive (#7)	31	220	-3	-23	0	0	49.0	49.7	0	0	0.98	0.04	0.63	89.7	30.64
to Belfair Towne Village (#8)	52	272	-6	-29	0	0	50.4	49.8	0	0	1.60	0.08	1.00	143.3	49.05
to Belfair Plantation (#9)	67	338	3	-27	0	0	52.6	50.4	0	0	2.32	0.11	1.46	203.0	69.38
to Rose Hill Way (#10)	48	386	2	-25	0	0	52.9	50.7	0	0	1.77	0.08	1.08	149.7	51.15
to Bluffton Fire (#14)	76	462	-1	-25	0	0	55.8	51.5	0	0	3.57	0.16	2.08	273.3	93.37
to Berkeley Hall (#12)	32	494	0	-26	0	0	56.0	51.8	0	0	1.13	0.05	0.72	99.2	33.90
to Hampton Parkway (#13)	56	550	-3	-29	0	0	57.9	52.4	0	0	3.07	0.14	1.68	216.6	73.98

Entered artery 8:02:13 am (4808 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	30	30	-6	-6	0	0	55.0	55.0	0	0	1.60	0.07	0.90	115.9	39.58
to Colleton River Road (#3)	40	70	-10	-17	0	0	56.1	55.6	0	0	1.52	0.09	0.94	127.0	43.64
to Sawmill Creek Road (#4)	38	108	5	-12	0	0	39.5	49.9	0	0	0.70	0.04	0.40	70.1	24.18
to Trimblestone Road (#5)	94	202	39	27	37	37	26.1	38.9	1	1	2.63	0.12	1.41	197.9	67.80
to Home Depot (#6)	36	238	1	29	0	37	43.2	39.5	0	1	2.24	0.10	1.18	149.4	51.00
to Crescent Drive (#7)	30	268	-4	25	0	37	51.2	40.8	0	1	0.91	0.04	0.60	85.6	29.25
to Belfair Towne Village (#8)	51	319	-7	18	0	37	50.8	42.4	0	1	1.50	0.07	1.00	144.3	49.30
to Belfair Plantation (#9)	63	382	-1	17	0	37	55.5	44.6	0	1	2.87	0.13	1.69	223.6	76.37
to Rose Hill Way (#10)	60	443	14	32	0	37	42.2	44.3	0	1	1.48	0.07	0.89	137.7	47.18
to Bluffton Fire (#14)	81	524	5	36	0	37	52.0	45.5	0	1	3.82	0.17	2.25	295.2	100.81
to Berkeley Hall (#12)	34	558	1	38	0	37	52.9	45.9	0	1	1.01	0.05	0.66	94.9	32.45
to Hampton Parkway (#13)	60	618	2	39	0	37	53.8	46.7	0	1	2.42	0.11	1.44	194.9	66.62

Entered artery 8:39:20 am (7034 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	50.4	50.4	0	0	1.31	0.06	0.75	103.6	35.40
to Colleton River Road (#3)	41	74	-9	-13	0	0	54.6	52.7	0	0	1.66	0.09	1.01	134.9	46.33
to Sawmill Creek Road (#4)	43	117	10	-3	8	8	35.0	46.2	1	1	1.15	0.06	0.59	93.0	31.92
to Trimblestone Road (#5)	114	232	60	57	61	69	21.4	33.9	1	2	3.15	0.15	1.63	224.6	77.16
to Home Depot (#6)	35	266	0	58	0	69	44.3	35.3	0	2	2.10	0.09	1.11	141.0	48.13
to Crescent Drive (#7)	30	297	-4	54	0	69	50.4	36.8	0	2	0.90	0.04	0.59	85.2	29.13
to Belfair Towne Village (#8)	52	349	-6	48	0	69	50.0	38.8	0	2	1.69	0.08	1.05	149.6	51.15
to Belfair Plantation (#9)	62	411	-2	46	0	69	56.9	41.5	0	2	3.14	0.14	1.79	232.1	79.25
to Rose Hill Way (#10)	66	476	20	65	7	75	38.9	41.2	1	3	1.93	0.09	1.06	159.2	54.56
to Bluffton Fire (#14)	80	556	3	68	0	75	52.8	42.8	0	3	3.98	0.19	2.22	290.4	99.28
to Berkeley Hall (#12)	31	588	-1	68	0	75	56.9	43.6	0	3	1.52	0.07	0.84	110.3	37.71
to Hampton Parkway (#13)	60	647	1	69	0	75	54.3	44.6	0	3	2.10	0.10	1.32	182.5	62.38

Entered artery 9:07:33 am (8728 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-2	-2	0	0	48.1	48.1	0	0	6.40	0.16	1.45	162.0	57.69
to Colleton River Road (#3)	40	75	-10	-12	0	0	55.3	52.0	0	0	1.44	0.08	0.90	123.7	42.54
to Sawmill Creek Road (#4)	28	103	-6	-17	0	0	54.2	52.6	0	0	1.32	0.06	0.77	101.5	34.66
to Trimblestone Road (#5)	45	148	-9	-27	0	0	54.2	53.1	0	0	1.36	0.06	0.88	126.0	43.10
to Home Depot (#6)	30	178	-4	-31	0	0	51.2	52.8	0	0	1.08	0.05	0.67	93.3	31.89
to Crescent Drive (#7)	45	223	11	-20	0	0	34.3	49.1	0	0	1.00	0.05	0.53	88.5	30.38
to Belfair Towne Village (#8)	51	273	-7	-27	0	0	51.3	49.5	0	0	2.49	0.12	1.36	179.7	61.41

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Plantation (#9)	63	337	-1	-28	0	0	55.2	50.6	0	0	2.93	0.13	1.73	228.1	77.91
to Rose Hill Way (#10)	42	379	-4	-32	0	0	60.7	51.7	0	0	2.52	0.12	1.33	169.2	57.79
to Bluffton Fire (#14)	70	449	-7	-39	0	0	61.0	53.1	0	0	3.93	0.18	2.19	279.1	95.35
to Berkeley Hall (#12)	31	479	-1	-41	0	0	57.7	53.4	0	0	1.21	0.06	0.72	97.9	33.49
to Hampton Parkway (#13)	57	537	-1	-42	0	0	56.6	53.8	0	0	2.46	0.11	1.48	197.3	67.42

[-] Before-type Trip Log "Trip #511:08:12 AM", Midday-period, started Tuesday 3/27/2018 11:08:11 AM ↑Contents

Entered artery 11:09:44 am (93 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.9	46.9	0	0	1.22	0.07	0.71	100.7	34.69
to Colleton River Road (#3)	44	79	-6	-7	0	0	50.9	49.1	0	0	1.43	0.08	0.86	122.3	42.06
to Sawmill Creek Road (#4)	34	113	0	-7	0	0	44.6	47.8	0	0	0.91	0.04	0.56	83.6	28.62
to Trimblestone Road (#5)	85	198	31	24	10	10	28.7	39.6	1	1	1.44	0.07	0.86	154.0	52.91
to Home Depot (#6)	35	234	1	25	0	10	43.8	40.2	0	1	355.92	1.97	5.47	-38.5	168.72
to Crescent Drive (#7)	85	319	51	76	37	48	18.1	34.3	1	2	1.09	0.05	0.55	102.1	35.08
to Belfair Towne Village (#8)	106	425	48	124	26	74	24.6	31.9	1	3	2.13	0.10	1.18	191.9	65.75
to Belfair Plantation (#9)	80	505	16	140	0	74	43.6	33.8	0	3	7.66	0.22	2.20	274.9	96.17
to Rose Hill Way (#10)	82	587	36	176	20	94	31.3	33.4	1	4	2.72	0.13	1.33	195.3	66.89
to Bluffton Fire (#14)	79	666	2	178	0	94	53.5	35.8	0	4	4.80	0.22	2.56	324.4	110.76
to Berkeley Hall (#12)	33	699	1	179	0	94	54.2	36.7	0	4	1.07	0.05	0.65	92.5	31.69
to Hampton Parkway (#13)	59	758	0	179	0	94	54.9	38.1	0	4	2.56	0.13	1.35	184.4	63.19

Entered artery 11:37:55 am (1784 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	49.9	49.9	0	0	0.97	0.04	0.63	91.1	31.17
to Colleton River Road (#3)	42	75	-8	-11	0	0	52.9	51.5	0	0	1.54	0.09	0.95	130.7	44.89
to Sawmill Creek Road (#4)	70	145	36	25	30	30	21.7	37.2	1	1	1.05	0.05	0.55	93.5	32.12
to Trimblestone Road (#5)	93	238	38	63	27	58	26.4	33.0	1	2	2.06	0.10	1.12	186.0	63.67
to Home Depot (#6)	36	274	1	65	0	58	42.8	34.3	0	2	18.23	0.26	1.71	154.5	60.86
to Crescent Drive (#7)	33	307	-1	64	0	58	46.8	35.6	0	2	0.81	0.04	0.53	80.5	27.56
to Belfair Towne Village (#8)	53	360	-4	59	0	58	48.8	37.6	0	2	1.74	0.08	1.05	150.0	51.29
to Belfair Plantation (#9)	62	422	-2	57	0	58	56.3	40.3	0	2	2.94	0.13	1.71	224.3	76.62
to Rose Hill Way (#10)	77	499	31	88	18	76	33.2	39.2	1	3	2.26	0.11	1.17	178.8	61.24
to Bluffton Fire (#14)	81	580	4	92	0	76	52.5	41.1	0	3	3.97	0.18	2.22	291.7	99.68
to Berkeley Hall (#12)	35	615	3	95	0	76	51.1	41.7	0	3	1.03	0.05	0.64	93.6	32.04
to Hampton Parkway (#13)	58	673	-1	94	0	76	56.1	42.9	0	3	2.73	0.13	1.58	207.2	70.80

Entered artery 12:08:36 pm (3625 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	2	2	0	0	43.5	43.5	0	0	2.06	0.09	1.11	143.6	49.06
to Colleton River Road (#3)	43	81	-7	-5	0	0	51.4	47.7	0	0	1.43	0.08	0.91	127.4	43.76
to Sawmill Creek Road (#4)	29	111	-4	-9	0	0	51.6	48.8	0	0	1.01	0.04	0.65	90.4	30.85
to Trimblestone Road (#5)	66	177	12	3	0	0	36.9	44.3	0	0	1.46	0.07	0.93	146.6	50.34
to Home Depot (#6)	38	215	3	6	0	0	41.0	43.7	0	0	1.20	0.05	0.75	107.7	36.79
to Crescent Drive (#7)	49	264	15	21	0	0	31.2	41.4	0	0	1.30	0.06	0.73	113.0	38.71
to Belfair Towne Village (#8)	145	409	87	108	74	74	18.0	33.1	1	1	2.29	0.11	1.24	195.4	66.95
to Belfair Plantation (#9)	73	482	9	117	0	74	47.9	35.4	0	1	2.83	0.13	1.62	223.7	76.46
to Rose Hill Way (#10)	84	566	38	155	29	103	30.4	34.6	1	2	2.14	0.11	1.18	170.0	58.43
to Bluffton Fire (#14)	81	647	4	159	0	103	52.6	36.9	0	2	4.71	0.21	2.52	321.9	109.93
to Berkeley Hall (#12)	34	681	2	161	0	103	52.2	37.6	0	2	0.76	0.04	0.52	81.2	27.80
to Hampton Parkway (#13)	61	742	3	163	0	103	52.8	38.9	0	2	2.31	0.11	1.41	193.5	66.13

Entered artery 12:40:56 pm (5566 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.9	46.9	0	0	1.58	0.07	0.88	118.2	40.38
to Colleton River Road (#3)	44	79	-6	-7	0	0	50.7	49.0	0	0	1.32	0.07	0.82	118.3	40.73
to Sawmill Creek Road (#4)	30	109	-3	-10	0	0	50.0	49.3	0	0	1.02	0.05	0.65	90.5	30.90
to Trimblestone Road (#5)	53	162	-2	-12	0	0	46.4	48.4	0	0	1.27	0.06	0.79	123.0	42.08
to Home Depot (#6)	34	197	0	-12	0	0	45.2	47.8	0	0	1.00	0.04	0.64	93.2	31.85
to Crescent Drive (#7)	85	281	51	38	33	33	18.1	38.9	1	1	1.09	0.05	0.57	105.5	36.25
to Belfair Towne Village (#8)	95	376	37	75	20	53	27.5	36.0	1	2	8.46	0.18	1.67	210.1	75.08
to Belfair Plantation (#9)	87	463	23	98	5	58	40.4	36.8	1	3	3.72	0.17	1.99	271.2	92.74
to Rose Hill Way (#10)	87	549	40	138	28	86	29.5	35.7	1	4	2.35	0.11	1.28	185.2	63.49
to Bluffton Fire (#14)	79	628	2	140	0	86	53.6	37.9	0	4	5.37	0.21	2.49	311.1	106.81
to Berkeley Hall (#12)	33	661	0	141	0	86	54.6	38.8	0	4	1.18	0.05	0.73	100.6	34.37
to Hampton Parkway (#13)	60	721	1	142	0	86	53.9	40.0	0	4	2.50	0.11	1.50	201.1	68.71

Entered artery 1:10:16 pm (7325 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	42	42	6	6	0	0	39.5	39.5	0	0	1.47	0.07	0.91	127.1	43.45
to Colleton River Road (#3)	44	86	-6	0	0	0	50.1	44.9	0	0	1.73	0.10	0.97	133.6	45.94
to Sawmill Creek Road (#4)	29	115	-4	-5	0	0	52.1	46.7	0	0	1.03	0.07	0.64	87.2	30.14
to Trimblestone Road (#5)	58	174	4	-1	0	0	42.1	45.2	0	0	1.41	0.07	0.87	134.4	46.11
to Home Depot (#6)	35	208	0	-1	0	0	44.7	45.1	0	0	3.25	0.09	0.79	98.0	34.58
to Crescent Drive (#7)	65	274	31	31	22	22	23.5	39.9	1	1	1.14	0.05	0.64	105.6	36.23
to Belfair Towne Village (#8)	111	385	53	84	47	69	23.4	35.2	1	2	2.48	0.11	1.38	204.4	69.97

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Plantation (#9)	68	453	4	88	0	69	51.5	37.6	0	2	3.47	0.16	1.95	253.3	86.49
to Rose Hill Way (#10)	48	501	2	90	0	69	53.2	39.1	0	2	2.16	0.10	1.19	159.3	54.51
to Bluffton Fire (#14)	107	608	30	120	24	93	39.8	39.2	1	3	3.07	0.15	1.78	252.6	86.54
to Berkeley Hall (#12)	39	647	7	127	0	93	45.1	39.6	0	3	2.80	0.13	1.42	175.9	60.03
to Hampton Parkway (#13)	59	706	1	128	0	93	54.7	40.9	0	3	2.17	0.10	1.33	183.9	62.88

[-] Before-type Trip Log "Trip #63:46:10 PM", PM-period, started Tuesday 3/27/2018 3:46:09 PM ↑Contents

Entered artery 3:47:55 pm (106 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-2	-2	0	0	47.7	47.7	0	0	1.54	0.08	0.90	119.6	41.08
to Colleton River Road (#3)	44	79	-6	-8	0	0	50.7	49.4	0	0	1.27	0.07	0.79	115.1	39.61
to Sawmill Creek Road (#4)	29	108	-4	-12	0	0	52.0	50.1	0	0	1.27	0.06	0.76	100.6	34.37
to Trimblestone Road (#5)	55	162	0	-12	0	0	44.7	48.3	0	0	1.23	0.06	0.75	120.2	41.20
to Home Depot (#6)	48	210	13	1	0	0	32.5	44.7	0	0	1.09	0.05	0.64	102.8	35.27
to Crescent Drive (#7)	112	322	78	79	72	72	13.7	33.9	1	1	1.49	0.07	0.83	141.4	48.63
to Belfair Towne Village (#8)	92	414	34	113	22	94	28.4	32.7	1	2	20.05	0.27	2.01	215.1	82.37
to Belfair Plantation (#9)	87	501	23	136	0	94	40.3	34.0	0	2	2.90	0.13	1.64	235.7	80.66
to Rose Hill Way (#10)	58	559	12	148	0	94	43.8	35.0	0	2	2.93	0.14	1.46	194.7	66.58
to Bluffton Fire (#14)	76	635	-1	147	0	94	55.9	37.5	0	2	3.85	0.18	2.16	281.8	96.27
to Berkeley Hall (#12)	33	668	1	148	0	94	54.4	38.3	0	2	0.99	0.05	0.63	90.8	31.08
to Hampton Parkway (#13)	60	728	2	149	0	94	53.9	39.6	0	2	2.40	0.11	1.43	193.9	66.32

Entered artery 4:18:22 pm (1933 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	44.0	44.0	0	0	2.18	0.10	1.20	152.6	52.09
to Colleton River Road (#3)	64	102	14	15	11	11	34.8	38.2	1	1	1.45	0.08	0.86	137.1	47.22
to Sawmill Creek Road (#4)	33	135	0	15	0	11	45.4	40.0	0	1	2.03	0.09	1.11	140.0	47.78
to Trimblestone Road (#5)	47	182	-7	8	0	11	51.7	43.0	0	1	1.44	0.07	0.89	128.5	43.96
to Home Depot (#6)	64	246	29	37	20	31	24.3	38.2	1	2	1.20	0.06	0.65	109.8	37.68
to Crescent Drive (#7)	105	351	71	108	57	88	14.6	31.1	1	3	1.53	0.07	0.85	134.8	46.20
to Belfair Towne Village (#8)	112	464	54	163	45	133	23.2	29.2	1	4	2.53	0.12	1.38	203.9	69.83
to Belfair Plantation (#9)	81	544	17	179	0	133	43.5	31.3	0	4	4.30	0.20	2.21	288.5	98.69
to Rose Hill Way (#10)	51	596	5	185	0	133	49.6	32.9	0	4	2.33	0.11	1.30	173.1	59.20
to Bluffton Fire (#14)	79	675	2	187	0	133	53.7	35.3	0	4	3.30	0.16	1.79	244.3	83.61
to Berkeley Hall (#12)	37	711	4	191	0	133	48.5	36.0	0	4	1.42	0.06	0.89	120.5	41.13
to Hampton Parkway (#13)	56	767	-3	189	0	133	57.8	37.6	0	4	3.08	0.14	1.68	215.9	73.78

Entered artery 4:49:41 pm (3813 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	1	1	0	0	44.7	44.7	0	0	2.28	0.10	1.23	155.6	53.12
to Colleton River Road (#3)	42	79	-8	-7	0	0	53.1	49.1	0	0	1.30	0.08	0.85	120.1	41.28
to Sawmill Creek Road (#4)	28	108	-5	-12	0	0	53.1	50.2	0	0	1.19	0.05	0.73	97.4	33.26
to Trimblestone Road (#5)	55	162	1	-12	0	0	44.7	48.3	0	0	1.19	0.06	0.74	118.5	40.65
to Home Depot (#6)	88	251	54	42	42	42	17.5	37.5	1	1	1.49	0.07	0.84	133.8	45.88
to Crescent Drive (#7)	38	289	4	46	0	42	40.4	37.9	0	1	1.43	0.06	0.87	119.1	40.69
to Belfair Towne Village (#8)	52	340	-6	39	0	42	50.4	39.8	0	1	2.89	0.13	1.37	180.6	61.89
to Belfair Plantation (#9)	59	400	-5	35	0	42	59.1	42.6	0	1	2.98	0.14	1.68	218.7	74.75
to Rose Hill Way (#10)	45	444	-2	33	0	42	57.4	44.1	0	1	2.17	0.10	1.27	164.9	56.34
to Bluffton Fire (#14)	74	518	-3	30	0	42	57.6	46.0	0	1	3.69	0.17	1.97	258.8	88.50
to Berkeley Hall (#12)	38	555	5	35	0	42	47.3	46.1	0	1	1.52	0.07	0.73	103.6	35.44
to Hampton Parkway (#13)	59	614	1	36	0	42	54.7	47.0	0	1	2.14	0.10	1.29	179.6	61.37

Entered artery 5:20:35 pm (5667 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	3	3	0	0	42.7	42.7	0	0	3.74	0.09	1.04	128.1	44.93

Entered artery 5:22:56 pm (5807 seconds) traveling Westbound from Sawmill Creek Road (#4)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Trimblestone Road (#5)	53	53	-2	-2	0	0	46.4	46.4	0	0	1.18	0.07	0.78	121.6	41.84
to Home Depot (#6)	63	115	28	26	14	14	24.6	34.6	1	1	1.18	0.06	0.66	112.5	38.79
to Crescent Drive (#7)	39	155	5	32	0	14	38.8	35.7	0	1	1.23	0.05	0.80	114.1	38.97
to Belfair Towne Village (#8)	166	321	108	140	85	99	15.7	25.3	2	3	2.18	0.11	1.22	207.4	71.26
to Belfair Plantation (#9)	88	409	24	164	7	106	39.9	28.5	1	4	6.48	0.21	2.25	288.5	100.08
to Rose Hill Way (#10)	53	462	7	171	0	106	48.5	30.7	0	4	2.22	0.10	1.26	170.5	58.29
to Bluffton Fire (#14)	96	557	19	190	0	106	44.4	33.1	0	4	3.99	0.19	2.08	287.4	98.43
to Berkeley Hall (#12)	39	596	7	196	0	106	45.7	33.9	0	4	1.59	0.07	0.96	129.2	44.14
to Hampton Parkway (#13)	65	662	7	203	0	106	49.7	35.5	0	4	1.81	0.09	1.12	166.2	56.92

Entered artery 5:55:04 pm (7735 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	43.7	43.7	0	0	1.53	0.07	0.93	125.7	42.91
to Colleton River Road (#3)	45	83	-5	-4	0	0	49.8	47.0	0	0	1.33	0.08	0.86	123.8	42.56
to Sawmill Creek Road (#4)	28	111	-5	-9	0	0	53.6	48.7	0	0	1.83	0.08	0.93	116.7	39.86
to Trimblestone Road (#5)	50	161	-4	-13	0	0	48.7	48.7	0	0	0.88	0.04	0.59	100.4	34.41
to Home Depot (#6)	55	216	20	7	10	10	28.1	43.4	1	1	1.33	0.06	0.72	116.7	39.98
to Crescent Drive (#7)	89	305	55	62	42	52	17.3	35.8	1	2	1.70	0.08	0.88	135.1	46.34
to Belfair Towne Village (#8)	130	435	72	134	63	115	20.1	31.1	1	3	2.69	0.13	1.34	200.0	68.48
to Belfair Plantation	79	514	15	149	0	115	44.3	33.2	0	3	4.18	0.19	2.12	278.2	95.15

(#9)														
to Rose Hill Way (#10)	51	565	5	154	0	115	50.3	34.7	0	3	2.43	0.11	1.40	183.8	62.77
to Bluffton Fire (#14)	76	641	0	153	0	115	55.4	37.2	0	3	3.40	0.16	1.99	264.5	90.43
to Berkeley Hall (#12)	34	675	2	155	0	115	52.4	37.9	0	3	0.89	0.04	0.59	87.9	30.07
to Hampton Parkway (#13)	59	734	0	155	0	115	55.1	39.3	0	3	2.59	0.12	1.50	199.9	68.36

Cumulative Reports

[-] After-type Trip Log "Trip #14", AM-period, started Tuesday 6/5/2018 6:53:44 AM ↑Contents

Entered artery 6:54:39 am (55 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	629	50	45	45.9	2
to Hampton Parkway (#13)	678	99	104	42.6	4
to Hampton Parkway (#13)	628	49	41	45.9	3
to Hampton Parkway (#13)	744	166	81	38.8	4
to Hampton Parkway (#13)	748	170	135	38.5	4

[-] After-type Trip Log "Trip #15", Midday-period, started Tuesday 6/5/2018 11:16:41 AM ↑Contents

Entered artery 11:18:02 am (81 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	773	195	151	37.3	5
to Hampton Parkway (#13)	715	137	60	40.3	3
to Hampton Parkway (#13)	782	203	153	36.9	5
to Hampton Parkway (#13)	722	143	72	40.0	4

[-] After-type Trip Log "Trip #16", PM-period, started Tuesday 6/5/2018 3:41:27 PM ↑Contents

Entered artery 3:45:14 pm (227 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	628	49	8	46.0	1
to Hampton Parkway (#13)	731	153	84	39.5	3
to Hampton Parkway (#13)	694	116	77	41.6	4
to Hampton Parkway (#13)	596	18	0	48.4	0
to Hampton Parkway (#13)	579	0	0	49.8	0

[-] After-type Trip Log "Trip #17", AM-period, started Wednesday 6/6/2018 6:46:42 AM ↑Contents

Entered artery 6:48:42 am (121 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	561	-18	0	51.4	0
to Hampton Parkway (#13)	586	7	17	49.3	2
to Hampton Parkway (#13)	683	105	78	42.2	3
to Hampton Parkway (#13)	658	80	36	43.8	1

to Hampton Parkway (#13)	652	73	53	44.3	1

[-] After-type Trip Log "Trip #18", Midday-period, started Wednesday 6/6/2018 11:18:14 AM ↑Contents

Entered artery 11:21:28 am (195 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	716	138	86	40.3	4
to Hampton Parkway (#13)	840	261	213	34.4	6
to Hampton Parkway (#13)	753	175	97	38.3	4
to Hampton Parkway (#13)	748	170	100	38.6	4

[-] After-type Trip Log "Trip #19", PM-period, started Wednesday 6/6/2018 4:06:51 PM ↑Contents

Entered artery 4:08:52 pm (122 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	709	131	76	40.7	4
to Hampton Parkway (#13)	644	65	45	44.8	1
to Hampton Parkway (#13)	621	43	16	46.4	2
to Hampton Parkway (#13)	608	30	16	47.4	1

[-] Before-type Trip Log "Trip #16:39:46 AM", AM-period, started Monday 3/26/2018 6:39:44 AM ↑Contents

Entered artery 6:52:07 am (743 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	665	87	64	43.4	3
to Hampton Parkway (#13)	557	-21	0	51.8	0
to Hampton Parkway (#13)	667	88	44	43.2	2
to Hampton Parkway (#13)	592	14	0	48.7	0
to Hampton Parkway (#13)	553	-26	0	52.2	0
to Hampton Parkway (#13)	642	64	53	44.9	3

[-] Before-type Trip Log "Trip #211:08:07 AM", Midday-period, started Monday 3/26/2018 11:08:05 AM ↑Contents

Entered artery 11:09:11 am (66 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	670	91	36	43.1	2
to Hampton Parkway (#13)	850	272	218	33.9	2
to Hampton Parkway (#13)	715	137	96	40.4	2
to Hampton Parkway (#13)	716	137	106	40.3	2
to Hampton Parkway (#13)	678	99	50	42.6	2

[-] Before-type Trip Log "Trip #33:43:23 PM", PM-period, started Monday 3/26/2018 3:43:22 PM ↑Contents

Entered artery 3:44:39 pm (78 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	614	35	25	47.0	1
to Hampton Parkway					

Node	CTT	CD	CStopD	CAS	CStops
(#13)	646	67	43	44.7	2
to Hampton Parkway (#13)	729	150	83	39.6	2
to Hampton Parkway (#13)	754	176	151	38.3	4
to Hampton Parkway (#13)	619	40	17	46.6	2
to Hampton Parkway (#13)	724	145	118	39.9	3

[-] Before-type Trip Log "Trip #46:42:06 AM", AM-period, started Tuesday 3/27/2018 6:42:06 AM ↑Contents

**Entered artery 6:56:17 am (851 seconds)
traveling Westbound from Moss Creek (#1)**

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	590	12	15	48.9	1
to Hampton Parkway (#13)	550	-29	0	52.4	0
to Hampton Parkway (#13)	618	39	37	46.7	1
to Hampton Parkway (#13)	647	69	75	44.6	3
to Hampton Parkway (#13)	537	-42	0	53.8	0

[-] Before-type Trip Log "Trip #511:08:12 AM", Midday-period, started Tuesday 3/27/2018 11:08:11 AM ↑Contents

**Entered artery 11:09:44 am (93 seconds)
traveling Westbound from Moss Creek (#1)**

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	758	179	94	38.1	4
to Hampton Parkway (#13)	673	94	76	42.9	3
to Hampton Parkway (#13)	742	163	103	38.9	2
to Hampton Parkway (#13)	721	142	86	40.0	4
to Hampton Parkway (#13)	706	128	93	40.9	3

[-] Before-type Trip Log "Trip #63:46:10 PM", PM-period, started Tuesday 3/27/2018 3:46:09 PM ↑Contents

**Entered artery 3:47:55 pm (106 seconds)
traveling Westbound from Moss Creek (#1)**

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	728	149	94	39.6	2
to Hampton Parkway (#13)	767	189	133	37.6	4
to Hampton Parkway (#13)	614	36	42	47.0	1
to Tanger Outlet #2 (#2)	39	3	0	42.7	0
to Hampton Parkway (#13)	662	203	106	35.5	4
to Hampton Parkway (#13)	734	155	115	39.3	3

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Travel Time & Delay Report for US 278

Legend:

TT:
Summarized Travel Time from previous Node (seconds)

CTT:
Summarized Cumulative Travel Time since beginning of Run (seconds)

Delay:
Summarized Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Summarized Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Summarized Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Summarized Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Summarized Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Summarized Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Summarized Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Summarized Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Summarized Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Summary of runs Westbound from Moss Creek (#1)
32 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:52:07 AM to 6:17:25 PM
27 After-type runs, 5 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 6:48:42 AM to 5:58:19 PM

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)															
Average Before (n=32)	36	36	0	0	0	0	46.1	46.1	0.0	0.0	2.10	0.09	0.97	126.9	43.65
Minimum Before (n=32)	30	30	-6	-6	0	0	39.5	39.5	0.0	0.0	0.65	0.03	0.43	69.9	23.97
85th Percentile Before (n=32)	38	38	2	2	0	0	50.1	50.1	0.0	0.0	2.35	0.10	1.20	152.6	52.09
Maximum Before (n=32)	42	42	6	6	0	0	55.0	55.0	0.0	0.0	7.66	0.17	1.54	169.6	60.42
Std Dev Before (n=32)	*3*	*3*	*3*	*3*	*0*	*0*	*3.4*	*3.4*	*0.0*	*0.0*	*1.49*	*0.03*	*0.26*	*25.3*	*8.84*
Average After (n=27)	36	36	0	0	0	0	46.4	46.4	0.0	0.0	2.91	0.10	1.05	132.0	45.70
Minimum After (n=27)	31	31	-5	-5	0	0	40.5	40.5	0.0	0.0	0.94	0.05	0.62	90.1	31.03
85th Percentile After (n=27)	39	39	2	2	0	0	50.5	50.5	0.0	0.0	2.75	0.11	1.27	157.2	53.74
Maximum After (n=27)	41	41	5	5	0	0	53.3	53.3	0.0	0.0	15.67	0.27	2.08	191.2	71.83
Std Dev After (n=27)	*3*	*3*	*3*	*3*	*0*	*0*	*3.7*	*3.7*	*0.0*	*0.0*	*3.32*	*0.05*	*0.30*	*24.3*	*9.12*
Difference	0	0	0	0	0	0	0.3	0.3	0.0	0.0	0.81	0.01	0.08	5.1	2.05
Difference Minimum	1	1	1	1	0	0	1.0	1.0	0.0	0.0	0.29	0.02	0.18	20.2	7.06
Difference 85th Percentile	0	0	0	0	0	0	0.4	0.4	0.0	0.0	0.40	0.01	0.07	4.6	1.65
Difference	-1	-1	-1	-1	0	0	-1.7	-1.7	0.0	0.0	8.01	0.10	0.54	21.6	11.41

Maximum															
Std Dev Difference	4	4	4	4	0	0	5.0	5.0	0.0	0.0	3.64	0.06	0.40	35.1	12.70
% Difference	-1%	-1%	-65%	-65%	N/D	N/D	0.7%	0.7%	N/D	N/D	38.42%	12.63%	7.82%	4.0%	4.70%
to Colleton River Road (#3)															
Average Before (n=31)	47	84	-3	-3	3	3	48.9	47.4	0.1	0.1	1.42	0.08	0.88	125.2	43.07
Minimum Before (n=31)	40	70	-10	-17	0	0	20.0	27.1	0.0	0.0	0.98	0.06	0.57	95.1	32.81
85th Percentile Before (n=31)	48	86	-2	0	0	0	53.6	51.5	0.0	0.0	1.64	0.09	0.97	134.9	46.33
Maximum Before (n=31)	111	144	61	57	67	67	56.1	55.6	1.0	1.0	2.09	0.11	1.18	151.9	52.07
Std Dev Before (n=31)	13	13	13	13	12	12	7.4	5.3	0.3	0.3	0.23	0.01	0.11	11.0	3.77
Average After (n=27)	45	81	-5	-5	1	1	50.2	48.2	0.1	0.1	1.58	0.09	0.95	132.6	45.58
Minimum After (n=27)	39	71	-11	-16	0	0	29.1	35.7	0.0	0.0	1.10	0.07	0.70	108.3	37.27
85th Percentile After (n=27)	46	85	-4	-1	0	0	54.0	51.6	0.0	0.0	1.82	0.10	1.02	140.5	48.25
Maximum After (n=27)	76	109	26	22	22	22	56.7	54.8	1.0	1.0	2.03	0.11	1.10	156.9	54.10
Std Dev After (n=27)	7	7	7	7	4	4	5.6	3.8	0.3	0.3	0.21	0.01	0.09	9.1	3.12
Difference	-2	-2	-2	-2	-2	-2	1.3	0.9	0.0	0.0	0.17	0.01	0.08	7.4	2.51
Difference Minimum	-1	1	-1	1	0	0	9.1	8.7	0.0	0.0	0.12	0.01	0.13	13.2	4.47
Difference 85th Percentile	-2	-1	-2	-1	0	0	0.4	0.1	0.0	0.0	0.18	0.01	0.05	5.6	1.91
Difference Maximum	-35	-35	-35	-35	-46	-46	0.7	-0.8	0.0	0.0	-0.06	0.00	-0.08	5.1	2.03
Std Dev Difference	15	15	15	15	13	13	9.3	6.6	0.4	0.4	0.32	0.02	0.14	14.3	4.90
% Difference	-5%	-3%	-85%	-78%	-61%	-61%	2.6%	1.9%	-23.5%	-23.5%	11.89%	8.68%	8.61%	5.9%	5.83%
to Sawmill Creek Road (#4)															
Average Before (n=31)	37	120	3	0	4	7	44.8	45.7	0.2	0.3	1.50	0.06	0.72	100.7	34.59
Minimum Before (n=31)	26	102	-7	-18	0	0	18.0	30.2	0.0	0.0	0.70	0.04	0.40	70.1	24.18
85th Percentile Before (n=31)	53	141	19	21	11	15	53.6	50.3	1.0	1.0	1.83	0.08	0.95	122.5	41.79
Maximum Before (n=31)	84	179	51	59	41	67	57.2	52.9	1.0	1.0	6.86	0.14	1.35	144.9	52.12
Std Dev Before (n=31)	14	18	14	18	10	15	10.9	5.8	0.4	0.5	1.27	0.02	0.22	18.2	6.52
Average After (n=27)	39	120	5	0	5	6	41.6	45.6	0.3	0.4	1.31	0.06	0.70	101.0	34.64
Minimum After (n=27)	26	99	-7	-21	0	0	26.2	37.4	0.0	0.0	0.76	0.04	0.46	72.5	24.97
85th Percentile After (n=27)	53	137	20	17	16	17	53.5	52.5	1.0	1.0	1.42	0.07	0.81	117.9	40.52
Maximum After (n=27)	58	144	24	24	18	22	58.1	54.5	1.0	1.0	4.09	0.14	1.40	158.0	54.69
Std Dev After (n=27)	11	15	11	15	7	8	10.7	5.6	0.5	0.5	0.63	0.02	0.20	20.2	6.96
Difference	2	0	2	0	0	-2	-3.2	-0.1	0.1	0.0	-0.19	0.00	-0.03	0.3	0.05
Difference Minimum	0	-3	0	-3	0	0	8.2	7.3	0.0	0.0	0.06	0.00	0.06	2.4	0.79
Difference 85th Percentile	1	-3	1	-3	4	2	-0.1	2.2	0.0	0.0	-0.41	-0.01	-0.14	-4.6	-1.27
Difference Maximum	-26	-35	-26	-35	-23	-46	0.9	1.6	0.0	0.0	-2.77	0.00	0.05	13.1	2.57
Std Dev Difference	18	24	18	24	12	17	15.3	8.1	0.6	0.7	1.42	0.03	0.30	27.2	9.54
% Difference	6%	0%	60%	-67%	1%	-23%	-7.2%	-0.1%	31.2%	14.8%	-12.84%	0.31%	-4.09%	0.3%	0.16%

Difference															
to Trimblestone Road (#5)															
Average Before (n=31)	62	183	8	8	7	15	41.9	43.9	0.3	0.6	2.15	0.08	0.96	143.5	49.43
Minimum Before (n=31)	45	148	-9	-27	0	0	21.4	33.0	0.0	0.0	0.88	0.04	0.59	100.4	34.41
85th Percentile Before (n=31)	85	229	31	54	22	44	51.7	49.8	1.0	2.0	2.34	0.11	1.27	186.0	63.67
Maximum Before (n=31)	114	238	60	63	61	69	54.2	53.1	1.0	2.0	19.72	0.29	2.09	224.6	82.98
Std Dev Before (n=31)	*18*	*29*	*18*	*29*	*15*	*22*	*9.6*	*6.3*	*0.4*	*0.8*	*3.31*	*0.05*	*0.33*	*34.0*	*12.35*
Average After (n=27)	60	181	6	6	6	12	42.9	44.4	0.3	0.6	1.86	0.09	1.06	153.6	52.58
Minimum After (n=27)	44	143	-10	-31	0	0	24.7	33.7	0.0	0.0	0.98	0.05	0.63	105.3	36.20
85th Percentile After (n=27)	81	217	27	43	20	35	50.6	50.7	1.0	2.0	2.43	0.11	1.29	185.3	63.49
Maximum After (n=27)	99	233	45	58	34	51	55.1	54.7	1.0	2.0	2.64	0.12	1.44	201.5	69.06
Std Dev After (n=27)	*17*	*27*	*17*	*27*	*12*	*17*	*9.3*	*6.3*	*0.4*	*0.8*	*0.48*	*0.02*	*0.22*	*25.5*	*8.71*
Difference	-2	-2	-2	-2	-1	-3	1.0	0.5	0.0	0.0	-0.29	0.01	0.10	10.1	3.14
Difference Minimum	-1	-4	-1	-4	0	0	3.3	0.7	0.0	0.0	0.10	0.01	0.04	4.9	1.78
Difference 85th Percentile	-4	-12	-4	-12	-2	-9	-1.1	0.9	0.0	0.0	0.08	0.00	0.02	-0.7	-0.18
Difference Maximum	-15	-5	-15	-5	-26	-17	0.9	1.6	0.0	0.0	-17.09	-0.17	-0.65	-23.1	-13.92
Std Dev Difference	*25*	*40*	*25*	*40*	*19*	*28*	*13.4*	*8.9*	*0.6*	*1.1*	*3.34*	*0.05*	*0.39*	*42.6*	*15.12*
% Difference	-3%	-1%	-24%	-26%	-16%	-19%	2.4%	1.1%	0.5%	8.4%	-13.66%	6.45%	10.31%	7.0%	6.36%
to Home Depot (#6)															
Average Before (n=31)	44	227	10	18	5	20	37.9	42.1	0.3	0.8	18.73	0.17	1.06	108.0	45.83
Minimum Before (n=31)	30	178	-4	-31	0	0	17.5	34.3	0.0	0.0	0.91	0.04	0.55	-38.5	28.04
85th Percentile Before (n=31)	64	264	29	55	20	44	44.7	48.5	1.0	2.0	3.25	0.10	1.18	133.8	48.42
Maximum Before (n=31)	88	274	54	65	42	69	51.2	52.8	1.0	2.0	355.92	1.97	5.47	154.5	168.72
Std Dev Before (n=31)	*15*	*29*	*15*	*29*	*11*	*22*	*9.4*	*5.5*	*0.4*	*0.8*	*68.67*	*0.38*	*0.99*	*33.2*	*26.90*
Average After (n=27)	45	225	10	16	7	18	38.0	42.6	0.3	0.9	1.46	0.07	0.77	111.0	38.06
Minimum After (n=27)	29	173	-5	-36	0	0	16.3	29.0	0.0	0.0	0.54	0.03	0.34	59.6	20.43
85th Percentile After (n=27)	56	261	21	52	16	44	47.6	49.7	1.0	2.0	1.93	0.09	1.00	130.2	44.51
Maximum After (n=27)	95	324	60	115	54	99	52.8	54.4	1.0	3.0	3.27	0.15	1.40	166.6	56.88
Std Dev After (n=27)	*17*	*34*	*17*	*34*	*14*	*24*	*9.9*	*6.1*	*0.4*	*0.9*	*0.65*	*0.03*	*0.24*	*24.5*	*8.39*
Difference	0	-2	0	-2	1	-2	0.1	0.6	0.0	0.1	-17.27	-0.10	-0.29	3.0	-7.77
Difference Minimum	-1	-5	-1	-5	0	0	-1.2	-5.3	0.0	0.0	-0.37	-0.02	-0.21	98.2	-7.61
Difference 85th Percentile	-8	-3	-8	-3	-4	0	2.9	1.2	0.0	0.0	-1.32	-0.01	-0.19	-3.6	-3.91
Difference Maximum	6	50	6	50	12	31	1.6	1.6	0.0	1.0	-352.65	-1.83	-4.07	12.2	-111.85
Std Dev Difference	*22*	*45*	*22*	*45*	*18*	*33*	*13.7*	*8.2*	*0.6*	*1.2*	*68.67*	*0.39*	*1.02*	*41.3*	*28.18*
% Difference	1%	-1%	4%	-10%	21%	-8%	0.2%	1.3%	0.5%	6.0%	-92.18%	-60.18%	-27.28%	2.8%	-16.95%
to Crescent Drive (#7)															
Average Before	57	284	23	41	16	36	32.1	39.1	0.4	1.2	1.15	0.05	0.65	103.5	35.48

(n=31)														
Minimum Before (n=31)	30	220	-4	-23	0	0	13.3	31.1	0.0	0.0	0.76	0.04	0.43	78.6	26.99
85th Percentile Before (n=31)	89	321	55	77	42	68	46.7	46.4	1.0	2.0	1.49	0.07	0.87	134.8	46.20
Maximum Before (n=31)	115	351	81	108	72	88	51.2	49.7	1.0	3.0	1.79	0.08	0.93	141.4	48.63
Std Dev Before (n=31)	*27*	*36*	*27*	*36*	*23*	*28*	*12.3*	*5.3*	*0.5*	*1.0*	*0.30*	*0.01*	*0.14*	*19.7*	*6.76*
Average After (n=27)	48	273	14	30	10	28	36.3	41.1	0.4	1.3	1.48	0.07	0.77	112.0	38.39
Minimum After (n=27)	30	203	-4	-40	0	0	16.6	26.2	0.0	0.0	0.83	0.04	0.57	84.6	28.91
85th Percentile After (n=27)	72	330	37	87	28	54	47.2	48.4	1.0	3.0	1.79	0.08	0.91	135.2	46.38
Maximum After (n=27)	93	417	59	174	49	148	51.5	53.9	1.0	4.0	3.74	0.11	1.18	146.1	49.88
Std Dev After (n=27)	*19*	*48*	*19*	*48*	*15*	*35*	*11.6*	*6.5*	*0.5*	*1.2*	*0.57*	*0.02*	*0.17*	*16.9*	*5.81*
Difference	-9	-11	-9	-11	-6	-7	4.2	2.0	0.0	0.0	0.32	0.01	0.12	8.5	2.92
Difference Minimum	0	-17	0	-17	0	0	3.3	-4.9	0.0	0.0	0.07	0.00	0.14	6.0	1.92
Difference 85th Percentile	-17	9	-17	9	-14	-14	0.5	1.9	0.0	1.0	0.31	0.01	0.04	0.5	0.18
Difference Maximum	-23	65	-23	65	-24	60	0.3	4.2	0.0	1.0	1.94	0.03	0.25	4.7	1.26
Std Dev Difference	*33*	*60*	*33*	*60*	*27*	*45*	*16.9*	*8.4*	*0.7*	*1.5*	*0.64*	*0.02*	*0.22*	*26.0*	*8.91*
% Difference	-16%	-4%	-40%	-27%	-37%	-21%	13.1%	5.0%	-4.3%	2.7%	28.10%	22.09%	18.19%	8.2%	8.22%
to Belfair Towne Village (#8)														
Average Before (n=31)	84	368	26	67	24	59	37.1	37.8	0.4	1.6	3.05	0.11	1.30	184.3	63.49
Minimum Before (n=31)	49	272	-9	-29	0	0	12.2	25.7	0.0	0.0	1.50	0.07	1.00	143.3	49.05
85th Percentile Before (n=31)	131	435	73	134	69	115	50.4	46.1	1.0	3.0	2.89	0.13	1.45	210.1	72.25
Maximum Before (n=31)	213	526	155	225	151	218	52.9	49.8	1.0	4.0	20.05	0.27	2.01	245.9	84.31
Std Dev Before (n=31)	*41*	*62*	*41*	*62*	*36*	*49*	*13.6*	*6.3*	*0.5*	*1.1*	*3.38*	*0.04*	*0.21*	*25.3*	*9.32*
Average After (n=27)	74	348	17	47	12	41	37.3	39.9	0.5	1.7	2.58	0.11	1.24	178.1	61.19
Minimum After (n=27)	52	261	-5	-40	0	0	21.3	27.7	0.0	0.0	1.33	0.06	0.83	132.9	45.60
85th Percentile After (n=27)	101	401	43	100	33	79	45.9	47.0	1.0	3.0	3.28	0.14	1.49	205.4	70.32
Maximum After (n=27)	122	488	65	187	61	152	49.6	51.8	1.0	5.0	8.60	0.17	1.67	225.8	77.37
Std Dev After (n=27)	*21*	*57*	*21*	*57*	*18*	*42*	*9.0*	*6.3*	*0.5*	*1.5*	*1.38*	*0.03*	*0.22*	*26.1*	*9.04*
Difference	-10	-21	-10	-21	-11	-19	0.2	2.2	0.1	0.1	-0.47	0.00	-0.06	-6.2	-2.30
Difference Minimum	3	-10	3	-10	0	0	9.1	2.0	0.0	0.0	-0.17	0.00	-0.16	-10.5	-3.45
Difference 85th Percentile	-29	-34	-29	-34	-36	-35	-4.5	0.9	0.0	0.0	0.39	0.01	0.04	-4.7	-1.93
Difference Maximum	-91	-38	-91	-38	-90	-66	-3.3	2.0	0.0	1.0	-11.45	-0.10	-0.34	-20.1	-6.94
Std Dev Difference	*46*	*84*	*46*	*84*	*41*	*64*	*16.3*	*8.9*	*0.7*	*1.8*	*3.65*	*0.05*	*0.31*	*36.3*	*12.98*
% Difference	-12%	-6%	-37%	-31%	-48%	-32%	0.6%	5.7%	14.8%	5.8%	-15.33%	-1.06%	-4.46%	-3.4%	-3.62%
to Belfair Plantation (#9)														
Average Before (n=31)	70	438	6	73	0	60	51.0	39.8	0.0	1.7	3.33	0.14	1.76	234.2	80.18
Minimum Before (n=31)	59	337	-5	-28	0	0	40.3	28.6	0.0	0.0	2.32	0.11	1.46	203.0	69.38

85th Percentile Before (n=31)	81	514	17	149	0	115	56.1	47.5	0.0	3.0	4.18	0.19	2.12	271.2	92.74
Maximum Before (n=31)	87	597	23	232	5	218	59.1	50.6	1.0	4.0	7.86	0.22	2.37	294.2	100.43
Std Dev Before (n=31)	8	66	8	66	1	49	5.3	5.9	0.2	1.1	1.30	0.03	0.24	25.0	8.77
Average After (n=27)	76	424	12	59	2	43	46.6	40.9	0.2	2.0	3.78	0.16	1.81	242.9	83.35
Minimum After (n=27)	64	344	0	-21	0	0	36.2	30.7	0.0	0.0	2.51	0.11	1.41	203.3	69.62
85th Percentile After (n=27)	83	472	19	108	7	79	51.7	46.3	1.0	3.0	4.11	0.19	1.99	265.2	90.78
Maximum After (n=27)	97	556	33	191	17	152	54.7	49.5	1.0	5.0	12.70	0.27	2.57	289.3	102.18
Std Dev After (n=27)	9	55	9	55	5	42	5.0	5.2	0.4	1.5	1.92	0.03	0.26	25.3	8.95
Difference	7	-14	7	-14	2	-17	-4.3	1.1	0.2	0.3	0.44	0.02	0.05	8.7	3.16
Difference Minimum	5	7	5	7	0	0	-4.1	2.1	0.0	0.0	0.19	0.01	-0.05	0.3	0.24
Difference 85th Percentile	2	-42	2	-42	7	-35	-4.4	-1.2	1.0	0.0	-0.07	-0.01	-0.13	-6.0	-1.96
Difference Maximum	10	-42	10	-42	11	-66	-4.4	-1.1	0.0	1.0	4.84	0.05	0.20	-4.9	1.75
Std Dev Difference	12	86	12	86	5	64	7.3	7.9	0.5	1.9	2.32	0.05	0.35	35.6	12.53
% Difference	9%	-3%	116%	-19%	1209%	-28%	-8.5%	2.7%	588.9%	17.0%	13.30%	12.11%	2.97%	3.7%	3.94%
to Rose Hill Way (#10)															
Average Before (n=31)	57	495	11	84	4	64	47.4	40.4	0.2	1.9	2.06	0.10	1.16	162.0	55.42
Minimum Before (n=31)	40	379	-6	-32	0	0	29.5	29.6	0.0	0.0	1.33	0.06	0.77	133.0	45.55
85th Percentile Before (n=31)	77	565	31	154	18	115	57.0	47.1	1.0	3.0	2.52	0.12	1.33	183.8	62.77
Maximum Before (n=31)	87	663	40	252	29	218	63.3	51.7	1.0	4.0	2.94	0.14	1.61	206.9	70.68
Std Dev Before (n=31)	14	70	14	70	9	50	9.9	5.8	0.4	1.2	0.41	0.02	0.18	17.7	6.05
Average After (n=27)	52	476	6	65	2	45	49.7	41.7	0.1	2.1	4.35	0.13	1.33	172.5	59.99
Minimum After (n=27)	46	396	-1	-15	0	0	33.3	32.4	0.0	0.0	1.52	0.07	0.94	137.0	46.85
85th Percentile After (n=27)	55	523	9	112	0	79	54.7	46.9	0.0	3.0	3.10	0.14	1.64	194.3	66.94
Maximum After (n=27)	77	604	31	193	18	152	56.1	49.4	1.0	5.0	54.86	0.57	3.09	238.2	106.81
Std Dev After (n=27)	9	56	9	56	5	42	6.3	4.8	0.3	1.5	10.13	0.09	0.43	27.2	12.42
Difference	-4	-18	-4	-18	-2	-19	2.3	1.3	-0.1	0.2	2.29	0.03	0.17	10.5	4.57
Difference Minimum	5	17	5	17	0	0	3.8	2.9	0.0	0.0	0.19	0.01	0.16	4.0	1.30
Difference 85th Percentile	-22	-42	-22	-42	-18	-35	-2.3	-0.3	-1.0	0.0	0.57	0.03	0.31	10.5	4.17
Difference Maximum	-10	-59	-10	-59	-11	-66	-7.2	-2.3	0.0	1.0	51.91	0.43	1.48	31.2	36.13
Std Dev Difference	16	89	16	89	10	65	11.8	7.5	0.5	1.9	10.14	0.09	0.46	32.5	13.81
% Difference	-8%	-4%	-41%	-22%	-56%	-30%	4.9%	3.2%	-50.8%	9.0%	110.86%	30.24%	14.94%	6.5%	8.25%
to Bluffton Fire (#14)															
Average Before (n=31)	81	576	4	88	2	66	52.8	42.1	0.1	2.0	3.68	0.17	2.08	275.8	94.28
Minimum Before (n=31)	70	449	-7	-39	0	0	38.2	31.8	0.0	0.0	2.64	0.12	1.70	241.0	82.40
85th Percentile Before (n=31)	86	641	9	153	0	115	57.3	48.1	0.0	3.0	4.17	0.19	2.31	307.1	105.17
Maximum															

Before (n=31)	111	751	34	263	33	218	61.0	53.1	1.0	4.0	5.37	0.22	2.56	324.4	110.76
Std Dev Before (n=31)	9	73	9	73	8	51	5.2	5.5	0.3	1.2	0.59	0.02	0.23	23.6	8.04
Average After (n=27)	77	553	0	65	0	45	55.1	43.5	0.0	2.1	3.77	0.18	2.08	273.1	93.53
Minimum After (n=27)	69	473	-8	-15	0	0	47.2	35.1	0.0	0.0	2.98	0.14	1.80	246.1	84.17
85th Percentile After (n=27)	80	605	3	117	0	79	58.1	48.6	0.0	4.0	4.04	0.19	2.21	286.5	97.91
Maximum After (n=27)	90	679	13	191	5	152	61.2	50.4	1.0	5.0	7.49	0.38	2.50	306.5	106.49
Std Dev After (n=27)	5	56	5	56	1	42	3.2	4.4	0.2	1.6	0.84	0.04	0.17	15.6	5.49
Difference	-4	-22	-4	-22	-2	-21	2.3	1.4	-0.1	0.1	0.09	0.01	0.00	-2.6	-0.75
Difference Minimum	0	24	0	24	0	0	9.0	3.3	0.0	0.0	0.34	0.02	0.11	5.1	1.77
Difference 85th Percentile	-6	-36	-6	-36	0	-35	0.8	0.5	0.0	1.0	-0.13	0.00	-0.10	-20.6	-7.26
Difference Maximum	-21	-72	-21	-72	-27	-66	0.3	-2.7	0.0	1.0	2.12	0.16	-0.05	-17.9	-4.27
Std Dev Difference	11	92	11	92	8	66	6.1	7.0	0.4	2.0	1.02	0.05	0.29	28.3	9.74
% Difference	-5%	-4%	-93%	-26%	-92%	-32%	4.3%	3.4%	-61.7%	5.6%	2.51%	5.65%	-0.15%	-1.0%	-0.80%
to Berkeley Hall (#12)															
Average Before (n=31)	34	610	2	90	0	66	51.8	42.6	0.0	2.0	1.29	0.06	0.76	105.0	35.91
Minimum Before (n=31)	31	479	-1	-41	0	0	44.6	32.6	0.0	0.0	0.76	0.04	0.52	81.2	27.80
85th Percentile Before (n=31)	38	677	5	157	0	115	56.0	48.6	0.0	3.0	1.52	0.07	0.84	110.6	37.80
Maximum Before (n=31)	40	786	8	266	0	218	57.7	53.4	0.0	4.0	2.87	0.13	1.42	175.9	60.03
Std Dev Before (n=31)	3	74	3	74	0	51	3.7	5.3	0.0	1.2	0.53	0.02	0.22	23.4	7.96
Average After (n=27)	64	618	32	98	23	68	34.2	42.0	0.6	2.7	1.43	0.07	0.76	116.4	39.97
Minimum After (n=27)	29	504	-3	-16	0	0	16.7	32.9	0.0	0.0	1.05	0.05	0.59	92.8	31.76
85th Percentile After (n=27)	88	681	56	161	43	104	56.6	47.1	1.0	4.0	1.62	0.08	0.83	130.4	44.67
Maximum After (n=27)	106	778	74	258	69	213	61.1	50.8	1.0	6.0	2.23	0.11	1.15	156.8	53.73
Std Dev After (n=27)	27	68	27	68	22	53	16.8	4.6	0.5	1.7	0.29	0.01	0.13	13.7	4.70
Difference	30	7	30	7	23	2	-17.6	-0.6	0.6	0.7	0.14	0.01	0.00	11.4	4.06
Difference Minimum	-2	25	-2	25	0	0	-27.8	0.3	0.0	0.0	0.28	0.02	0.07	11.6	3.96
Difference 85th Percentile	51	4	51	4	43	-11	0.6	-1.4	1.0	1.0	0.10	0.01	-0.01	19.7	6.88
Difference Maximum	66	-9	66	-9	69	-5	3.4	-2.7	1.0	2.0	-0.65	-0.02	-0.26	-19.1	-6.30
Std Dev Difference	27	101	27	101	22	73	17.2	7.0	0.5	2.1	0.60	0.03	0.26	27.1	9.25
% Difference	86%	1%	1266%	8%	N/D	3%	-34.0%	-1.5%	N/D	37.0%	10.73%	17.31%	-0.05%	10.9%	11.32%
to Hampton Parkway (#13)															
Average Before (n=31)	60	670	1	92	0	67	54.2	43.6	0.0	2.0	2.46	0.11	1.45	196.0	67.01
Minimum Before (n=31)	55	537	-4	-42	0	0	41.9	33.9	0.0	0.0	1.88	0.09	1.21	170.2	58.21
85th Percentile Before (n=31)	62	742	4	163	0	115	56.6	48.9	0.0	3.0	2.94	0.14	1.68	215.9	73.78
Maximum Before (n=31)	77	850	19	272	12	218	58.8	53.8	1.0	4.0	3.26	0.15	1.79	226.8	77.45
Std Dev Before (n=31)	4	75	4	75	2	51	3.1	5.0	0.2	1.3	0.36	0.02	0.15	13.9	4.73

Average After (n=27)	65	682	6	104	0	68	50.5	42.7	0.0	2.8	3.12	0.15	1.67	221.8	75.86
Minimum After (n=27)	54	561	-5	-18	0	0	38.4	34.4	0.0	0.0	2.15	0.10	1.19	171.9	58.85
85th Percentile After (n=27)	72	748	14	170	0	104	56.9	47.4	0.0	4.0	3.60	0.17	1.83	242.6	83.03
Maximum After (n=27)	84	840	26	261	8	213	60.3	51.4	1.0	6.0	4.13	0.19	2.12	266.3	90.95
Std Dev After (n=27)	8	71	8	71	2	53	5.7	4.4	0.2	1.7	0.56	0.03	0.23	24.1	8.23
Difference	5	12	5	12	0	2	-3.7	-0.9	0.0	0.7	0.67	0.03	0.22	25.8	8.85
Difference Minimum	-1	24	-1	24	0	0	-3.5	0.4	0.0	0.0	0.26	0.02	-0.02	1.8	0.63
Difference 85th Percentile	10	6	10	6	0	-11	0.3	-1.4	0.0	1.0	0.65	0.03	0.15	26.7	9.25
Difference Maximum	7	-11	7	-11	-4	-5	1.5	-2.4	0.0	2.0	0.86	0.04	0.33	39.4	13.50
Std Dev Difference	9	103	9	103	3	74	6.5	6.7	0.3	2.1	0.67	0.03	0.27	27.9	9.49
% Difference	8%	2%	340%	13%	-22%	2%	-6.8%	-2.0%	14.8%	36.7%	27.13%	29.24%	15.11%	13.1%	13.21%

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:49:16 PM

Travel Time & Delay Report for US 278

Legend:

CTT:

Summarized Cumulative Travel Time since beginning of Run (seconds)

CD:

Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

CStopD:

Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CAS:

Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

CStops:

Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

Cumulative Summary of runs Eastbound from Hampton Parkway (#13)

10 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:41:11 AM to 9:01:05 AM

10 After-type runs, 5 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 7:01:59 AM to 9:19:19 AM

	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)					
Average Before (n=10)	852	259	235	36.6	3.3
Minimum Before (n=10)	612	19	39	21.0	2.0
85th Percentile Before (n=10)	1294	701	664	44.7	5.0
Maximum Before (n=10)	1370	778	719	47.1	7.0
Std Dev Before (n=10)	279	279	265	9.5	1.7
Average After (n=10)	617	24	22	46.8	1.1
Minimum After (n=10)	569	-23	0	42.2	0.0
85th Percentile After (n=10)	652	59	47	49.8	2.0
Maximum After (n=10)	682	89	67	50.6	2.0
Std Dev After (n=10)	37	37	23	2.7	0.7
Difference	-235	-235	-214	10.3	-2.2
Difference Minimum	-42	-42	-39	21.2	-2.0
Difference 85th Percentile	-642	-642	-617	5.1	-3.0
Difference Maximum	-689	-689	-653	3.5	-5.0
Std Dev Difference	281	281	266	9.8	1.9
% Difference	-28%	-91%	-91%	28.1%	-66.7%

Cumulative Summary of runs Westbound from Moss Creek (#1)

11 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:52:07 AM to 9:13:52 AM
10 After-type runs, 5 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 6:48:42 AM to 9:03:03 AM

	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)					
Average Before (n=11)	602	23	26	48.2	1.2
Minimum Before (n=11)	537	-42	0	43.2	0.0
85th Percentile Before (n=11)	665	87	64	52.4	3.0
Maximum Before (n=11)	667	88	75	53.8	3.0
Std Dev Before (n=11)	*49*	*49*	*29*	*3.9*	*1.3*
Average After (n=10)	657	78	59	44.3	2.4
Minimum After (n=10)	561	-18	0	38.5	0.0
85th Percentile After (n=10)	744	166	104	49.3	4.0
Maximum After (n=10)	748	170	135	51.4	4.0
Std Dev After (n=10)	*61*	*61*	*41*	*4.1*	*1.4*
Difference	55	55	33	-4.0	1.2
Difference Minimum	24	24	0	-4.7	0.0
Difference 85th Percentile	79	79	40	-3.2	1.0
Difference Maximum	82	82	59	-2.4	1.0
Std Dev Difference	*78*	*78*	*50*	*5.7*	*2.0*
% Difference	9%	238%	125%	-8.2%	103.1%

Cumulative Summary of all runs, either direction through artery

21 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:50:48 AM to 9:23:34 AM
20 After-type runs, 10 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 6:57:07 AM to 9:28:29 AM

	CTT	CD	CStopD	CAS	CStops
to End of Artery					
Average Before (n=21)	721	135	126	42.7	2.2
Minimum Before (n=21)	537	-42	0	43.2	0.0
85th Percentile Before (n=21)	665	87	64	52.4	3.0
Maximum Before (n=21)	667	88	75	53.8	3.0
Std Dev Before (n=21)	*229*	*225*	*208*	*9.1*	*1.8*
Average After (n=20)	637	51	40	45.5	1.8

Minimum After (n=20)	561	-18	0	38.5	0.0
85th Percentile After (n=20)	744	166	104	49.3	4.0
Maximum After (n=20)	748	170	135	51.4	4.0
Std Dev After (n=20)	53	56	37	3.6	1.3
Difference	-84	-84	-85	2.9	-0.4
Difference Minimum	24	24	0	-4.7	0.0
Difference 85th Percentile	79	79	40	-3.2	1.0
Difference Maximum	82	82	59	-2.4	1.0
Std Dev Difference	235	232	212	9.8	2.2
% Difference	-12%	-62%	-68%	6.7%	-20.1%

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:57:54 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Travel Time from previous Node (seconds)

CTT:
Cumulative Travel Time since beginning of Run (seconds)

Delay:
Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Contents:

[-] Collapse All

[-] After-type Trip Log "Trip #14", AM-period, started Tuesday 6/5/2018 6:53:44 AM ↑Contents

Entered artery 7:08:11 am (868 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	89	89	31	31	9	9	36.1	36.1	1	1	3.29	0.15	1.75	247.6	84.78
to Bluffton Fire (#14)	35	124	3	34	0	9	50.4	40.2	0	1	2.04	0.11	1.07	137.2	47.11
to Rose Hill Way (#10)	80	204	3	36	0	9	53.0	45.2	0	1	3.75	0.18	1.97	263.5	90.22
to Belfair Plantation (#9)	46	250	0	36	0	9	55.2	47.0	0	1	2.86	0.13	1.53	192.9	65.87
to Belfair Towne Village (#8)	72	322	-6	30	0	9	48.6	47.4	0	1	2.20	0.11	1.21	180.1	61.71
to Crescent Drive (#7)	74	396	16	47	0	9	35.1	45.1	0	1	2.01	0.10	1.13	173.2	59.40
to Home Depot (#6)	34	431	0	47	0	9	44.8	45.0	0	1	1.63	0.07	0.94	123.9	42.31
to Trimblestone Road (#5)	31	462	-4	43	0	9	50.7	45.4	0	1	1.04	0.05	0.62	88.4	30.27
to Sawmill Creek Road (#4)	45	506	-9	34	0	9	54.4	46.2	0	1	2.01	0.09	1.17	155.7	53.23
to Colleton River Road (#3)	43	549	10	43	0	9	34.8	45.3	0	1	0.75	0.04	0.41	75.2	25.90
to Tanger Outlet #2 (#2)	46	595	-4	39	0	9	49.0	45.6	0	1	2.08	0.10	1.20	159.5	54.51
to Moss Creek (#1)	39	634	2	42	0	9	42.1	45.4	0	1	0.76	0.03	0.43	75.1	25.68

Entered artery 7:45:26 am (3102 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	99	99	40	40	24	24	32.7	32.7	1	1	4.11	0.19	1.97	267.5	91.59
to Bluffton Fire (#14)	33	132	1	42	0	24	53.2	37.8	0	1	1.60	0.09	0.86	114.0	39.24
to Rose Hill Way (#10)	76	209	-1	41	0	24	55.2	44.2	0	1	3.09	0.15	1.82	247.4	84.68
to Belfair Plantation (#9)	44	253	-2	39	0	24	56.9	46.4	0	1	2.42	0.11	1.35	172.8	59.02
to Belfair Towne Village (#8)	61	313	-18	22	0	24	58.2	48.7	0	1	2.95	0.14	1.60	211.6	72.42
to Crescent Drive (#7)	59	372	1	23	0	24	44.0	48.0	0	1	1.68	0.08	0.96	144.3	49.54
to Home Depot (#6)	33	405	-2	21	0	24	47.3	47.9	0	1	1.37	0.06	0.77	104.4	35.68
to Trimblestone Road (#5)	31	436	-3	18	0	24	50.3	48.1	0	1	1.07	0.05	0.64	90.6	31.02
to Sawmill Creek Road (#4)	44	480	-10	7	0	24	55.5	48.8	0	1	2.04	0.09	1.18	156.2	53.41
to Colleton River Road (#3)	37	517	4	11	0	24	40.4	48.2	0	1	0.80	0.04	0.41	69.7	23.96
to Tanger Outlet #2 (#2)	44	561	-6	5	0	24	51.5	48.4	0	1	1.94	0.09	1.15	152.5	52.07
to Moss Creek (#1)	45	606	8	13	0	24	36.5	47.5	0	1	0.77	0.04	0.38	73.4	25.25

Entered artery 8:17:47 am (5043 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	62	62	4	4	0	0	51.6	51.6	0	0	2.88	0.14	1.60	211.9	72.60
to Bluffton Fire (#14)	31	93	-1	3	0	0	57.4	53.5	0	0	1.74	0.10	0.95	121.3	41.65
to Rose Hill Way (#10)	75	168	-2	1	0	0	56.2	54.7	0	0	3.14	0.15	1.88	252.8	86.43
to Belfair Plantation (#9)	47	216	1	2	0	0	53.6	54.5	0	0	1.70	0.08	1.06	145.9	49.90
to Belfair Towne Village (#8)	78	293	-1	1	0	0	45.3	52.0	0	0	3.47	0.17	1.82	246.4	84.67
to Crescent Drive (#7)	55	349	-2	-1	0	0	46.9	51.2	0	0	1.71	0.08	1.07	153.9	52.68
to Home Depot (#6)	92	441	58	57	55	55	16.7	44.0	1	1	1.19	0.06	0.63	106.0	36.43
to Trimblestone Road (#5)	45	486	11	68	0	55	34.7	43.1	0	1	1.98	0.09	1.00	137.5	47.18
to Sawmill Creek Road (#4)	54	540	0	67	0	55	45.1	43.3	0	1	2.44	0.11	1.40	187.1	63.88
to Colleton River Road (#3)	30	570	-4	64	0	55	50.4	43.7	0	1	1.06	0.05	0.60	84.5	28.90
to Tanger Outlet #2 (#2)	61	631	12	75	12	67	36.7	43.0	1	2	1.49	0.07	0.87	136.3	46.79
to Moss Creek (#1)	51	682	14	89	0	67	32.4	42.2	0	2	2.80	0.12	1.03	142.4	49.09

Entered artery 8:47:49 am (6845 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	90	90	32	32	16	16	35.7	35.7	1	1	3.22	0.15	1.64	235.7	80.71
to Bluffton Fire (#14)	35	125	3	35	0	16	50.3	39.8	0	1	1.98	0.10	1.07	136.8	46.96
to Rose Hill Way (#10)	76	201	-1	34	0	16	55.8	45.8	0	1	3.44	0.17	1.93	257.0	87.97
to Belfair Plantation (#9)	45	246	-1	33	0	16	55.7	47.6	0	1	2.03	0.10	1.13	151.0	51.71
to Belfair Towne Village (#8)	75	321	-3	29	0	16	47.1	47.5	0	1	2.59	0.13	1.39	200.4	68.70
to Crescent Drive (#7)	62	383	4	34	0	16	41.8	46.6	0	1	1.79	0.09	1.01	152.4	52.22
to Home Depot (#6)	31	415	-3	31	0	16	49.3	46.8	0	1	1.17	0.05	0.70	96.8	33.11
to															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Trimblestone Road (#5)	31	446	-3	28	0	16	50.0	47.0	0	1	1.10	0.05	0.67	93.4	31.96
to Sawmill Creek Road (#4)	46	492	-8	19	0	16	53.0	47.6	0	1	1.58	0.08	0.94	133.0	45.56
to Colleton River Road (#3)	31	523	-3	17	0	16	48.6	47.6	0	1	1.00	0.05	0.61	86.5	29.61
to Tanger Outlet #2 (#2)	45	568	-5	12	0	16	49.8	47.8	0	1	1.18	0.06	0.76	114.5	39.18
to Moss Creek (#1)	39	607	3	14	0	16	41.9	47.4	0	1	1.03	0.05	0.61	92.7	31.85

Entered artery 9:19:19 am (8736 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	79	79	21	21	5	5	40.7	40.7	1	1	3.07	0.15	1.56	220.8	75.65
to Bluffton Fire (#14)	34	114	2	23	0	5	51.5	44.0	0	1	1.43	0.08	0.76	104.7	36.02
to Rose Hill Way (#10)	79	193	2	25	0	5	53.4	47.8	0	1	3.62	0.17	2.01	268.2	91.68
to Belfair Plantation (#9)	45	238	-1	24	0	5	55.7	49.3	0	1	1.65	0.08	0.99	137.5	47.04
to Belfair Towne Village (#8)	65	304	-13	12	0	5	53.8	50.3	0	1	2.25	0.11	1.38	193.3	66.16
to Crescent Drive (#7)	57	360	-1	10	0	5	46.0	49.6	0	1	1.59	0.08	0.94	140.6	48.16
to Home Depot (#6)	34	394	-1	10	0	5	45.8	49.3	0	1	0.96	0.04	0.64	92.4	31.57
to Trimblestone Road (#5)	33	426	-2	8	0	5	47.7	49.2	0	1	0.85	0.04	0.58	86.1	29.43
to Sawmill Creek Road (#4)	49	475	-6	2	0	5	50.1	49.3	0	1	1.72	0.08	1.06	147.7	50.53
to Colleton River Road (#3)	31	506	-3	0	0	5	48.5	49.2	0	1	0.81	0.04	0.49	74.5	25.53
to Tanger Outlet #2 (#2)	44	550	-6	-6	0	5	51.1	49.4	0	1	1.29	0.06	0.81	117.5	40.22
to Moss Creek (#1)	38	588	1	-5	0	5	43.8	49.0	0	1	0.81	0.04	0.53	83.7	28.67

[-] After-type Trip Log "Trip #17", AM-period, started Wednesday 6/6/2018 6:46:42 AM ↑Contents

Entered artery 7:01:59 am (918 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	110	110	51	51	36	36	29.3	29.3	1	1	2.95	0.14	1.53	222.6	76.30
to Bluffton Fire (#14)	36	146	4	55	0	36	49.0	34.2	0	1	1.95	0.10	1.03	133.8	45.95
to Rose Hill Way (#10)	84	230	7	62	0	36	50.5	40.1	0	1	3.29	0.15	1.76	245.0	83.85
to Belfair Plantation (#9)	47	277	1	63	0	36	53.4	42.4	0	1	2.90	0.13	1.55	196.1	66.96
to Belfair Towne Village (#8)	76	353	-2	61	0	36	46.4	43.2	0	1	2.49	0.12	1.31	192.7	66.04
to Crescent Drive (#7)	54	407	-4	57	0	36	48.0	43.9	0	1	2.10	0.10	1.19	164.7	56.35
to Home Depot (#6)	29	436	-5	53	0	36	52.2	44.4	0	1	1.08	0.05	0.66	90.6	31.00
to Trimblestone Road (#5)	29	466	-5	47	0	36	53.5	45.0	0	1	1.17	0.05	0.68	92.7	31.69
to Sawmill Creek Road (#4)	50	516	-4	43	0	36	48.9	45.4	0	1	1.23	0.06	0.82	124.4	42.55
to Colleton River Road (#3)	35	550	1	44	0	36	43.4	45.3	0	1	0.98	0.05	0.57	85.3	29.31
to Tanger Outlet #2 (#2)	45	595	-5	39	0	36	50.1	45.6	0	1	1.62	0.08	0.96	134.2	45.91
to Moss Creek (#1)	56	651	19	58	11	47	29.6	44.2	1	2	1.71	0.08	0.89	134.0	46.08

Entered artery 7:27:47 am (2465 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Hall (#12)	110	110	52	52	37	37	29.2	29.2	1	1	4.63	0.22	2.29	298.6	102.20
to Bluffton Fire (#14)	36	146	4	55	0	37	49.8	34.2	0	1	1.94	0.10	1.06	135.9	46.61
to Rose Hill Way (#10)	76	222	-1	54	0	37	55.7	41.5	0	1	3.40	0.16	1.89	253.5	86.74
to Belfair Plantation (#9)	46	268	0	54	0	37	54.9	43.8	0	1	2.03	0.10	1.15	154.1	52.68
to Belfair Towne Village (#8)	69	337	-9	45	0	37	50.5	45.2	0	1	2.57	0.12	1.38	195.2	66.88
to Crescent Drive (#7)	53	390	-5	40	0	37	49.8	45.8	0	1	2.08	0.10	1.15	160.0	54.77
to Home Depot (#6)	31	421	-3	37	0	37	49.1	46.1	0	1	0.97	0.05	0.53	78.9	27.03
to Trimblestone Road (#5)	36	457	2	39	0	37	43.2	45.8	0	1	1.05	0.05	0.58	86.5	29.71
to Sawmill Creek Road (#4)	48	505	-7	32	0	37	51.2	46.3	0	1	2.61	0.13	1.34	175.0	59.89
to Colleton River Road (#3)	43	549	10	42	0	37	34.5	45.4	0	1	1.68	0.08	0.81	115.7	39.78
to Tanger Outlet #2 (#2)	45	594	-5	38	0	37	49.6	45.7	0	1	1.72	0.08	0.91	129.1	44.18
to Moss Creek (#1)	58	652	21	59	4	41	28.4	44.2	1	2	2.05	0.10	0.99	145.7	50.04

Entered artery 8:08:41 am (4919 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	55	55	-4	-4	0	0	59.0	59.0	0	0	2.87	0.13	1.61	208.4	71.22
to Bluffton Fire (#14)	30	85	-2	-6	0	0	58.3	58.7	0	0	1.51	0.09	0.87	112.7	38.72
to Rose Hill Way (#10)	79	164	2	-3	0	0	53.2	56.1	0	0	3.44	0.17	1.79	244.6	83.81
to Belfair Plantation (#9)	45	209	-2	-5	0	0	56.6	56.2	0	0	2.68	0.13	1.38	176.5	60.31
to Belfair Towne Village (#8)	77	285	-2	-6	0	0	46.0	53.5	0	0	3.14	0.15	1.63	226.2	77.46
to Crescent Drive (#7)	53	338	-5	-12	0	0	49.3	52.8	0	0	2.27	0.11	1.24	167.4	57.41
to Home Depot (#6)	31	370	-3	-14	0	0	48.8	52.5	0	0	1.29	0.06	0.77	104.3	35.61
to Trimblestone Road (#5)	30	400	-4	-19	0	0	51.6	52.4	0	0	1.17	0.05	0.69	95.0	32.46
to Sawmill Creek Road (#4)	47	446	-8	-26	0	0	52.5	52.4	0	0	1.56	0.07	1.00	139.4	47.66
to Colleton River Road (#3)	32	478	-2	-28	0	0	47.0	52.1	0	0	1.00	0.05	0.56	81.8	28.13
to Tanger Outlet #2 (#2)	48	526	-2	-30	0	0	47.1	51.6	0	0	1.50	0.07	0.83	122.6	41.92
to Moss Creek (#1)	52	578	15	-15	0	0	31.8	49.8	0	0	1.51	0.07	0.77	118.2	40.64

Entered artery 8:33:44 am (6422 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	78	78	20	20	8	8	41.3	41.3	1	1	7.91	0.19	1.82	225.6	80.09
to Bluffton Fire (#14)	33	111	1	21	0	8	53.4	44.9	0	1	1.82	0.10	0.97	124.9	42.91
to Rose Hill Way (#10)	78	189	1	21	0	8	54.3	48.8	0	1	3.34	0.16	1.93	259.2	88.71
to Belfair Plantation (#9)	44	233	-2	19	0	8	57.7	50.4	0	1	2.02	0.09	1.18	156.0	53.28
to Belfair Towne Village (#8)	65	298	-13	6	0	8	53.9	51.2	0	1	2.13	0.10	1.24	178.2	60.98
to Crescent Drive (#7)	73	371	15	21	0	8	35.8	48.2	0	1	1.74	0.08	0.99	158.0	54.14
to Home Depot (#6)	35	405	1	22	0	8	44.4	47.9	0	1	1.51	0.07	0.90	119.6	40.81
to Trimblestone Road (#5)	31	436	-4	18	0	8	50.5	48.0	0	1	1.25	0.06	0.72	98.5	33.66
to Sawmill Creek Road	45	481	-9	9	0	8	54.3	48.6	0	1	1.76	0.08	1.09	147.7	50.46

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
(#4)															
to Colleton River Road (#3)	29	510	-5	4	0	8	52.5	48.8	0	1	0.83	0.04	0.55	79.4	27.18
to Tanger Outlet #2 (#2)	41	551	-9	-5	0	8	54.8	49.3	0	1	1.89	0.09	1.11	146.5	50.03
to Moss Creek (#1)	51	602	14	9	0	8	32.6	47.9	0	1	1.00	0.05	0.56	96.1	33.02

Entered artery 9:05:37 am (8336 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	60	60	1	1	0	0	54.0	54.0	0	0	2.28	0.10	1.37	188.3	64.36
to Bluffton Fire (#14)	35	95	3	4	0	0	51.0	52.9	0	0	1.14	0.06	0.72	101.1	34.78
to Rose Hill Way (#10)	81	175	4	8	0	0	52.1	52.5	0	0	2.74	0.13	1.68	236.5	80.92
to Belfair Plantation (#9)	45	220	-1	7	0	0	56.3	53.3	0	0	2.55	0.12	1.28	166.1	56.81
to Belfair Towne Village (#8)	66	286	-13	-6	0	0	53.7	53.4	0	0	2.40	0.11	1.39	193.4	66.17
to Crescent Drive (#7)	61	347	3	-3	0	0	42.6	51.5	0	0	2.04	0.10	1.12	162.3	55.77
to Home Depot (#6)	32	379	-2	-5	0	0	48.3	51.2	0	0	1.58	0.07	0.89	116.8	39.86
to Trimblestone Road (#5)	31	410	-3	-8	0	0	50.0	51.1	0	0	1.06	0.05	0.63	89.5	30.61
to Sawmill Creek Road (#4)	50	460	-5	-13	0	0	49.3	50.9	0	0	2.22	0.11	1.21	162.2	55.68
to Colleton River Road (#3)	29	489	-4	-18	0	0	51.6	51.0	0	0	1.07	0.05	0.63	88.0	30.07
to Tanger Outlet #2 (#2)	47	536	-3	-20	0	0	47.7	50.7	0	0	1.11	0.06	0.69	108.7	37.26
to Moss Creek (#1)	34	569	-3	-23	0	0	48.8	50.6	0	0	0.90	0.04	0.60	88.6	30.29

[-] Before-type Trip Log "Trip #16:39:46 AM", AM-period, started Monday 3/26/2018 6:39:44 AM ↑Contents

Entered artery 6:41:11 am (87 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	78	78	19	19	9	9	41.1	41.1	1	1	2.43	0.13	1.31	192.7	66.20
to Bluffton Fire (#14)	35	113	3	22	0	9	51.1	44.2	0	1	3.46	0.16	1.62	193.2	65.99
to Rose Hill Way (#10)	70	183	-7	16	0	9	60.0	50.3	0	1	3.48	0.18	1.98	258.0	88.38
to Belfair Plantation (#9)	49	232	3	19	0	9	51.3	50.5	0	1	1.69	0.08	0.93	132.9	45.54
to Belfair Towne Village (#8)	117	350	39	58	32	40	30.1	43.7	1	2	3.34	0.16	1.68	254.0	87.06
to Crescent Drive (#7)	51	401	-7	51	0	40	50.7	44.6	0	2	2.62	0.12	1.44	187.9	64.21
to Home Depot (#6)	29	430	-5	46	0	40	53.6	45.2	0	2	1.12	0.05	0.69	93.7	32.02
to Trimblestone Road (#5)	30	460	-4	41	0	40	51.8	45.6	0	2	0.74	0.03	0.50	75.5	25.81
to Sawmill Creek Road (#4)	48	508	-6	35	0	40	50.7	46.1	0	2	1.68	0.08	1.08	148.9	50.88
to Colleton River Road (#3)	27	535	-6	29	0	40	55.0	46.5	0	2	1.21	0.06	0.71	94.5	32.30
to Tanger Outlet #2 (#2)	42	577	-8	21	0	40	53.9	47.1	0	2	1.38	0.06	0.88	123.1	42.11
to Moss Creek (#1)	35	612	-2	19	0	40	47.6	47.1	0	2	0.67	0.03	0.47	76.5	26.17

Entered artery 7:07:40 am (1677 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	104	104	45	45	34	34	31.0	31.0	1	1	4.27	0.20	2.04	269.5	92.22
to Bluffton Fire (#14)	36	140	4	49	0	34	49.2	35.7	0	1	3.97	0.15	1.40	162.1	56.36

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Rose Hill Way (#10)	74	214	-3	46	0	34	57.1	43.1	0	1	4.17	0.18	2.01	262.9	90.16
to Belfair Plantation (#9)	81	295	35	81	25	59	31.2	39.8	1	2	1.95	0.09	1.15	170.1	58.35
to Belfair Towne Village (#8)	78	373	0	81	0	59	45.0	40.9	0	2	2.64	0.12	1.57	222.8	76.15
to Crescent Drive (#7)	53	426	-5	76	0	59	49.0	41.9	0	2	1.66	0.08	1.04	149.5	51.11
to Home Depot (#6)	32	458	-2	74	0	59	48.0	42.4	0	2	0.83	0.04	0.54	81.5	27.89
to Trimblestone Road (#5)	32	490	-3	71	0	59	49.1	42.8	0	2	0.94	0.04	0.62	89.0	30.43
to Sawmill Creek Road (#4)	49	539	-5	67	0	59	49.4	43.4	0	2	1.48	0.07	0.96	137.8	47.12
to Colleton River Road (#3)	31	570	-2	64	0	59	48.2	43.7	0	2	0.85	0.04	0.56	82.7	28.28
to Tanger Outlet #2 (#2)	44	614	-6	58	0	59	51.4	44.2	0	2	1.34	0.06	0.84	120.7	41.33
to Moss Creek (#1)	51	665	14	72	0	59	32.3	43.3	0	2	1.17	0.06	0.69	109.9	37.71

Entered artery 7:32:55 am (3192 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	90	90	31	31	13	13	35.9	35.9	1	1	2.67	0.13	1.49	222.7	76.31
to Bluffton Fire (#14)	34	123	2	33	0	13	52.5	40.5	0	1	1.70	0.09	0.96	125.0	42.90
to Rose Hill Way (#10)	80	204	3	36	0	13	52.6	45.2	0	1	2.58	0.12	1.68	236.6	80.89
to Belfair Plantation (#9)	57	261	11	47	0	13	44.4	45.1	0	1	1.61	0.07	0.92	138.5	47.40
to Belfair Towne Village (#8)	78	338	0	46	0	13	45.3	45.1	0	1	2.39	0.11	1.43	207.4	70.95
to Crescent Drive (#7)	105	443	47	94	51	64	24.7	40.3	1	2	1.99	0.10	1.17	172.7	59.34
to Home Depot (#6)	36	479	2	95	0	64	42.7	40.5	0	2	1.95	0.09	1.06	136.7	46.68
to Trimblestone Road (#5)	41	520	6	102	0	64	38.6	40.3	0	2	0.83	0.04	0.48	80.5	27.66
to Sawmill Creek Road (#4)	55	575	1	103	0	64	44.1	40.7	0	2	2.35	0.11	1.23	168.8	57.77
to Colleton River Road (#3)	32	607	-2	101	0	64	47.3	41.0	0	2	1.92	0.09	1.03	130.1	44.41
to Tanger Outlet #2 (#2)	43	650	-7	94	0	64	52.3	41.8	0	2	1.24	0.06	0.80	115.9	39.66
to Moss Creek (#1)	368	1018	331	425	341	405	4.5	28.3	2	4	1.37	0.07	0.60	250.1	85.87

Entered artery 8:05:36 am (5153 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	68	68	10	10	0	0	47.1	47.1	0	0	1.75	0.08	1.18	176.1	60.19
to Bluffton Fire (#14)	36	104	3	13	0	0	49.9	48.0	0	0	1.41	0.07	0.85	115.1	39.52
to Rose Hill Way (#10)	131	235	54	67	39	39	32.2	39.2	1	1	2.53	0.12	1.50	234.0	80.17
to Belfair Plantation (#9)	102	337	56	123	38	76	24.8	34.9	1	2	2.70	0.12	1.51	214.0	73.33
to Belfair Towne Village (#8)	74	411	-4	119	0	76	47.4	37.1	0	2	3.17	0.15	1.68	230.7	78.88
to Crescent Drive (#7)	54	465	-4	115	0	76	48.5	38.4	0	2	1.76	0.08	1.12	158.2	54.03
to Home Depot (#6)	37	501	3	117	0	76	41.9	38.7	0	2	0.47	0.02	0.29	58.5	20.10
to Trimblestone Road (#5)	35	536	0	118	0	76	45.0	39.1	0	2	1.28	0.06	0.78	108.2	36.97
to Sawmill Creek Road (#4)	48	584	-7	111	0	76	51.1	40.1	0	2	1.81	0.08	1.14	154.6	52.81
to Colleton River Road	30	614	-3	108	0	76	49.5	40.6	0	2	0.56	0.03	0.40	66.0	22.59

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
(#3)															
to Tanger Outlet #2 (#2)	44	658	-6	102	0	76	51.3	41.3	0	2	1.67	0.07	1.04	141.8	48.42
to Moss Creek (#1)	159	817	122	224	112	189	10.4	35.3	1	3	0.81	0.04	0.38	120.3	41.39

Entered artery 8:36:04 am (6981 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	74	74	16	16	0	0	43.5	43.5	0	0	5.75	0.20	1.83	234.1	81.25
to Bluffton Fire (#14)	37	111	5	21	0	0	47.8	44.9	0	0	2.87	0.15	1.35	166.9	57.15
to Rose Hill Way (#10)	75	186	-2	18	0	0	56.5	49.6	0	0	2.78	0.13	1.74	237.7	81.26
to Belfair Plantation (#9)	79	265	33	52	22	22	31.8	44.2	1	1	2.19	0.10	1.11	162.8	55.78
to Belfair Towne Village (#8)	74	339	-4	47	0	22	47.6	45.0	0	1	2.88	0.13	1.60	221.7	75.83
to Crescent Drive (#7)	53	393	-4	43	0	22	48.6	45.5	0	1	2.20	0.10	1.32	178.1	60.83
to Home Depot (#6)	63	456	29	72	17	39	24.5	42.6	1	2	1.05	0.05	0.59	101.2	34.75
to Trimblestone Road (#5)	36	491	1	73	0	39	44.1	42.7	0	2	1.46	0.06	0.88	119.1	40.65
to Sawmill Creek Road (#4)	48	539	-7	66	0	39	51.3	43.5	0	2	1.60	0.07	1.01	141.7	48.42
to Colleton River Road (#3)	31	569	-3	63	0	39	48.9	43.8	0	2	0.92	0.04	0.60	86.3	29.51
to Tanger Outlet #2 (#2)	42	611	-8	55	0	39	53.3	44.4	0	2	1.51	0.07	0.91	126.8	43.38
to Moss Creek (#1)	33	644	-4	52	0	39	49.7	44.7	0	2	1.05	0.05	0.65	93.6	32.00

Entered artery 9:01:05 am (8482 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	73	73	14	14	0	0	44.3	44.3	0	0	2.64	0.13	1.35	194.2	66.59
to Bluffton Fire (#14)	35	108	3	17	0	0	50.1	46.2	0	0	1.52	0.08	0.87	117.1	40.24
to Rose Hill Way (#10)	80	188	3	21	0	0	52.7	49.0	0	0	2.68	0.25	1.68	228.6	80.56
to Belfair Plantation (#9)	67	255	21	42	0	0	37.4	45.9	0	0	2.04	0.10	1.16	171.7	58.82
to Belfair Towne Village (#8)	75	331	-3	39	0	0	46.9	46.1	0	0	2.21	0.10	1.35	198.0	67.78
to Crescent Drive (#7)	115	446	57	96	57	57	22.6	40.0	1	1	1.99	0.09	1.13	171.2	58.71
to Home Depot (#6)	75	521	41	137	37	94	20.5	37.2	1	2	3.65	0.13	1.23	160.2	55.69
to Trimblestone Road (#5)	36	557	2	139	0	94	43.3	37.6	0	2	2.14	0.09	1.18	149.3	50.95
to Sawmill Creek Road (#4)	47	605	-7	132	0	94	51.8	38.7	0	2	1.53	0.07	1.00	139.9	47.81
to Colleton River Road (#3)	29	634	-4	128	0	94	50.9	39.3	0	2	0.80	0.04	0.54	79.4	27.13
to Tanger Outlet #2 (#2)	42	676	-7	120	0	94	52.8	40.1	0	2	1.55	0.07	0.97	133.7	45.66
to Moss Creek (#1)	34	711	-3	118	0	94	48.3	40.5	0	2	0.77	0.04	0.53	81.5	27.87

[-] Before-type Trip Log "Trip #46:42:06 AM", AM-period, started Tuesday 3/27/2018 6:42:06 AM ↑Contents

Entered artery 6:43:57 am (112 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	100	100	42	42	23	23	32.1	32.1	1	1	2.97	0.15	1.54	226.4	77.80
to Bluffton Fire (#14)	35	136	3	45	0	23	50.1	36.8	0	1	2.30	0.11	1.24	154.6	52.87
to Rose Hill Way (#10)	74	210	-2	43	0	23	56.7	43.9	0	1	3.14	0.15	1.90	253.4	86.69
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Plantation (#9)	51	262	5	48	0	23	49.1	44.9	0	1	2.31	0.11	1.19	161.2	55.21
to Belfair Towne Village (#8)	96	358	18	66	0	23	36.5	42.6	0	1	2.78	0.13	1.57	235.3	80.57
to Crescent Drive (#7)	102	460	44	110	35	58	25.6	38.9	1	2	2.49	0.12	1.28	196.7	67.40
to Home Depot (#6)	35	495	1	111	0	58	44.1	39.2	0	2	1.38	0.06	0.82	111.6	38.11
to Trimblestone Road (#5)	31	525	-4	107	0	58	51.3	39.9	0	2	1.14	0.05	0.69	95.2	32.53
to Sawmill Creek Road (#4)	50	575	-5	102	0	58	49.2	40.7	0	2	1.69	0.08	0.99	140.6	48.13
to Colleton River Road (#3)	28	603	-5	97	0	58	53.2	41.3	0	2	1.22	0.06	0.72	95.6	32.70
to Tanger Outlet #2 (#2)	38	641	-11	85	0	58	58.3	42.3	0	2	2.02	0.10	1.13	146.5	50.08
to Moss Creek (#1)	32	674	-4	81	0	58	50.9	42.8	0	2	0.75	0.03	0.48	74.9	25.63

Entered artery 7:09:17 am (1631 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	64	64	5	5	0	0	50.5	50.5	0	0	2.19	0.10	1.27	179.7	61.55
to Bluffton Fire (#14)	37	100	4	10	0	0	48.7	49.8	0	0	2.33	0.12	1.17	148.1	50.75
to Rose Hill Way (#10)	70	170	-7	2	0	0	60.5	54.2	0	0	4.08	0.19	2.19	278.7	95.30
to Belfair Plantation (#9)	75	245	29	31	17	17	33.6	47.9	1	1	2.34	0.12	1.17	176.5	60.67
to Belfair Towne Village (#8)	80	325	2	33	0	17	44.1	47.0	0	1	2.93	0.13	1.74	241.2	82.43
to Crescent Drive (#7)	47	372	-10	23	0	17	54.7	48.0	0	1	2.01	0.10	1.13	152.9	52.31
to Home Depot (#6)	49	421	15	38	0	17	31.4	46.0	0	1	1.63	0.08	0.83	122.0	41.82
to Trimblestone Road (#5)	87	508	52	90	47	64	18.1	41.3	1	2	1.27	0.06	0.70	112.3	38.59
to Sawmill Creek Road (#4)	55	563	1	90	0	64	44.4	41.6	0	2	2.36	0.11	1.32	178.3	60.96
to Colleton River Road (#3)	33	597	0	90	0	64	44.8	41.7	0	2	1.04	0.05	0.59	85.8	29.47
to Tanger Outlet #2 (#2)	45	641	-5	85	0	64	50.3	42.3	0	2	2.12	0.10	1.17	155.5	53.13
to Moss Creek (#1)	73	714	36	121	23	87	22.8	40.4	2	4	1.12	0.06	0.57	112.4	38.79

Entered artery 7:35:55 am (3230 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	85	85	27	27	0	0	37.7	37.7	0	0	2.20	0.10	1.35	204.7	70.12
to Bluffton Fire (#14)	62	148	30	57	0	0	28.5	33.8	0	0	1.27	0.07	0.74	123.3	42.51
to Rose Hill Way (#10)	100	248	23	80	9	9	42.1	37.2	1	1	4.34	0.20	2.32	315.4	107.87
to Belfair Plantation (#9)	102	350	56	137	44	52	24.7	33.5	1	2	3.44	0.17	1.59	216.2	74.06
to Belfair Towne Village (#8)	79	430	1	138	0	52	44.4	35.5	0	2	3.03	0.14	1.66	231.7	79.30
to Crescent Drive (#7)	81	511	24	161	15	67	31.9	35.0	1	3	2.39	0.11	1.29	194.8	66.68
to Home Depot (#6)	36	547	1	163	0	67	43.2	35.5	0	3	1.61	0.07	0.93	123.8	42.27
to Trimblestone Road (#5)	33	580	-2	161	0	67	47.7	36.2	0	3	0.87	0.04	0.58	85.5	29.25
to Sawmill Creek Road (#4)	46	625	-9	152	0	67	53.7	37.5	0	3	1.96	0.09	1.16	154.9	52.92
to Colleton River Road (#3)	29	654	-5	148	0	67	52.0	38.1	0	3	0.93	0.04	0.61	85.3	29.13
to Tanger Outlet #2 (#2)	342	995	292	439	298	365	6.6	27.3	1	4	1.20	0.06	0.56	204.1	70.12

to Moss Creek (#1)	375	1370	339	778	355	719	4.4	21.0	1	5	1.29	0.06	0.63	274.4	94.06

Entered artery 8:16:18 am (5653 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	68	68	9	9	0	0	47.5	47.5	0	0	3.03	0.14	1.60	216.1	73.98
to Bluffton Fire (#14)	34	102	2	11	0	0	52.0	49.0	0	0	1.77	0.09	0.97	125.4	43.07
to Rose Hill Way (#10)	114	216	37	49	33	33	36.9	42.6	1	1	3.13	0.15	1.81	256.4	87.86
to Belfair Plantation (#9)	110	326	63	112	49	82	23.0	36.0	1	2	3.02	0.14	1.46	206.3	70.61
to Belfair Towne Village (#8)	75	401	-3	109	0	82	47.0	38.1	0	2	3.15	0.15	1.69	231.6	79.24
to Crescent Drive (#7)	97	498	39	148	34	116	26.7	35.8	1	3	1.85	0.09	1.05	164.8	56.47
to Home Depot (#6)	36	534	2	150	0	116	43.1	36.3	0	3	1.76	0.08	0.98	129.2	44.11
to Trimblestone Road (#5)	32	566	-3	147	0	116	49.2	37.1	0	3	0.87	0.04	0.55	81.8	27.98
to Sawmill Creek Road (#4)	51	617	-3	144	0	116	47.5	37.9	0	3	1.50	0.07	0.97	141.1	48.23
to Colleton River Road (#3)	31	648	-2	142	0	116	47.9	38.4	0	3	0.70	0.03	0.46	71.8	24.59
to Tanger Outlet #2 (#2)	161	809	111	253	87	203	14.0	33.5	2	5	1.22	0.06	0.70	182.1	62.54
to Moss Creek (#1)	485	1294	448	701	461	664	3.4	22.3	2	7	1.76	0.08	0.86	336.8	115.52

Entered artery 8:53:01 am (7856 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	79	79	20	20	0	0	40.8	40.8	0	0	236.27	1.55	5.01	128.0	162.90
to Bluffton Fire (#14)	34	113	2	22	0	0	52.5	44.3	0	0	1.62	0.09	0.93	122.0	41.90
to Rose Hill Way (#10)	77	190	0	22	0	0	54.9	48.6	0	0	2.97	0.14	1.85	250.9	85.75
to Belfair Plantation (#9)	51	241	5	27	0	0	49.3	48.7	0	0	2.15	0.11	1.10	152.0	52.16
to Belfair Towne Village (#8)	73	314	-5	22	0	0	48.2	48.6	0	0	2.43	0.11	1.37	198.2	67.77
to Crescent Drive (#7)	113	427	55	77	54	54	23.1	41.9	1	1	1.86	0.09	1.10	165.7	56.88
to Home Depot (#6)	38	464	4	80	0	54	40.8	41.8	0	1	2.51	0.12	1.21	153.5	52.42
to Trimblestone Road (#5)	60	524	25	105	22	77	26.4	40.0	1	2	1.20	0.06	0.60	95.1	32.68
to Sawmill Creek Road (#4)	56	580	1	107	0	77	43.8	40.4	0	2	2.14	0.10	1.06	152.3	52.07

Entered artery 9:03:58 am (8513 seconds) traveling Eastbound from Tanger Outlet #2 (#2)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Moss Creek (#1)	64	64	28	28	5	5	25.6	25.6	1	1	0.71	0.04	0.39	89.6	30.88

Cumulative Reports

[-] After-type Trip Log "Trip #14", AM-period, started Tuesday 6/5/2018 6:53:44 AM ↑Contents

Entered artery 7:08:11 am (868 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	634	42	9	45.4	1
to Moss Creek (#1)	606	13	24	47.5	1
to Moss Creek (#1)	682	89	67	42.2	2
to Moss Creek (#1)	607	14	16	47.4	1

to Moss Creek (#1)	588	-5	5	49.0	1

[-] After-type Trip Log "Trip #17", AM-period, started Wednesday 6/6/2018 6:46:42 AM ↑Contents

**Entered artery 7:01:59 am (918 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	651	58	47	44.2	2
to Moss Creek (#1)	652	59	41	44.2	2
to Moss Creek (#1)	578	-15	0	49.8	0
to Moss Creek (#1)	602	9	8	47.9	1
to Moss Creek (#1)	569	-23	0	50.6	0

[-] Before-type Trip Log "Trip #16:39:46 AM", AM-period, started Monday 3/26/2018 6:39:44 AM ↑Contents

**Entered artery 6:41:11 am (87 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	612	19	40	47.1	2
to Moss Creek (#1)	665	72	59	43.3	2
to Moss Creek (#1)	1018	425	405	28.3	4
to Moss Creek (#1)	817	224	189	35.3	3
to Moss Creek (#1)	644	52	39	44.7	2
to Moss Creek (#1)	711	118	94	40.5	2

[-] Before-type Trip Log "Trip #46:42:06 AM", AM-period, started Tuesday 3/27/2018 6:42:06 AM ↑Contents

**Entered artery 6:43:57 am (112 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	674	81	58	42.8	2
to Moss Creek (#1)	714	121	87	40.4	4
to Moss Creek (#1)	1370	778	719	21.0	5
to Moss Creek (#1)	1294	701	664	22.3	7
to Sawmill Creek Road (#4)	580	107	77	40.4	2
to Moss Creek (#1)	64	28	5	25.6	1

Tuesday 6/12/2018 12:57:54 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Summarized Travel Time from previous Node (seconds)

CTT:
Summarized Cumulative Travel Time since beginning of Run (seconds)

Delay:
Summarized Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Summarized Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Summarized Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Summarized Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Summarized Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Summarized Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Summarized Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Summarized Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Summarized Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Summary of runs Eastbound from Hampton Parkway (#13)
11 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:41:11 AM to 9:01:05 AM
10 After-type runs, 5 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 7:01:59 AM to 9:19:19 AM

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)															
Average Before (n=11)	80	80	22	22	7	7	41.0	41.0	0.4	0.4	24.20	0.27	1.82	204.0	80.83
Minimum Before (n=11)	64	64	5	5	0	0	31.0	31.0	0.0	0.0	1.75	0.08	1.18	128.0	60.19
85th Percentile Before (n=11)	100	100	42	42	23	23	47.5	47.5	1.0	1.0	5.75	0.20	2.04	234.1	92.22
Maximum Before (n=11)	104	104	45	45	34	34	50.5	50.5	1.0	1.0	236.27	1.55	5.01	269.5	162.90
Std Dev Before (n=11)	*13*	*13*	*13*	*13*	*12*	*12*	*6.3*	*6.3*	*0.5*	*0.5*	*70.34*	*0.43*	*1.09*	*36.8*	*28.76*
Average After (n=10)	83	83	25	25	14	14	40.9	40.9	0.7	0.7	3.72	0.16	1.71	232.7	79.95
Minimum After (n=10)	55	55	-4	-4	0	0	29.2	29.2	0.0	0.0	2.28	0.10	1.37	188.3	64.36
85th Percentile After (n=10)	110	110	51	51	36	36	54.0	54.0	1.0	1.0	4.63	0.19	1.97	267.5	91.59
Maximum After (n=10)	110	110	52	52	37	37	59.0	59.0	1.0	1.0	7.91	0.22	2.29	298.6	102.20
Std Dev After (n=10)	*20*	*20*	*20*	*20*	*14*	*14*	*10.5*	*10.5*	*0.5*	*0.5*	*1.62*	*0.03*	*0.26*	*31.7*	*10.85*
Difference	3	3	3	3	6	6	-0.1	-0.1	0.3	0.3	-20.48	-0.11	-0.10	28.7	-0.88
Difference Minimum	-9	-9	-9	-9	0	0	-1.9	-1.9	0.0	0.0	0.53	0.03	0.19	60.3	4.17

Difference 85th Percentile	9	9	9	9	13	13	6.5	6.5	0.0	0.0	-1.12	-0.01	-0.07	33.4	-0.63
Difference Maximum	7	7	7	7	3	3	8.5	8.5	0.0	0.0	-228.35	-1.34	-2.72	29.1	-60.70
Std Dev Difference	*24*	*24*	*24*	*24*	*18*	*18*	*12.3*	*12.3*	*0.7*	*0.7*	*70.36*	*0.43*	*1.12*	*48.6*	*30.74*
% Difference	4%	4%	14%	14%	91%	91%	-0.2%	-0.2%	92.5%	92.5%	-84.62%	-40.85%	-5.56%	14.1%	-1.09%
to Bluffton Fire (#14)															
Average Before (n=11)	38	118	6	27	0	7	48.4	43.0	0.0	0.4	2.20	0.11	1.10	141.2	48.48
Minimum Before (n=11)	34	100	2	10	0	0	28.5	33.8	0.0	0.0	1.27	0.07	0.74	115.1	39.52
85th Percentile Before (n=11)	37	140	5	49	0	23	52.5	49.0	0.0	1.0	3.46	0.15	1.40	166.9	57.15
Maximum Before (n=11)	62	148	30	57	0	34	52.5	49.8	0.0	1.0	3.97	0.16	1.62	193.2	65.99
Std Dev Before (n=11)	*8*	*16*	*8*	*16*	*0*	*12*	*6.8*	*5.5*	*0.0*	*0.5*	*0.89*	*0.03*	*0.27*	*25.5*	*8.69*
Average After (n=10)	34	117	2	27	0	14	52.4	44.0	0.0	0.7	1.71	0.09	0.94	122.2	41.99
Minimum After (n=10)	30	85	-2	-6	0	0	49.0	34.2	0.0	0.0	1.14	0.06	0.72	101.1	34.78
85th Percentile After (n=10)	36	146	4	55	0	36	57.4	53.5	0.0	1.0	1.98	0.10	1.07	136.8	46.96
Maximum After (n=10)	36	146	4	55	0	37	58.3	58.7	0.0	1.0	2.04	0.11	1.07	137.2	47.11
Std Dev After (n=10)	*2*	*22*	*2*	*22*	*0*	*14*	*3.2*	*8.5*	*0.0*	*0.5*	*0.29*	*0.01*	*0.13*	*13.7*	*4.65*
Difference	-4	-1	-4	-1	0	6	4.0	1.0	0.0	0.3	-0.49	-0.02	-0.16	-18.9	-6.49
Difference Minimum	-3	-15	-3	-15	0	0	20.5	0.4	0.0	0.0	-0.13	-0.01	-0.02	-14.0	-4.74
Difference 85th Percentile	-1	6	-1	6	0	13	4.9	4.5	0.0	0.0	-1.48	-0.05	-0.33	-30.1	-10.19
Difference Maximum	-26	-2	-26	-2	0	3	5.8	8.9	0.0	0.0	-1.93	-0.06	-0.55	-56.0	-18.88
Std Dev Difference	*8*	*27*	*8*	*27*	*0*	*18*	*7.5*	*10.1*	*0.0*	*0.7*	*0.94*	*0.04*	*0.30*	*28.9*	*9.86*
% Difference	-10%	-1%	-67%	-3%	N/D	91%	8.3%	2.3%	N/D	92.5%	-22.11%	-14.52%	-14.93%	-13.4%	-13.38%
to Rose Hill Way (#10)															
Average Before (n=11)	86	204	9	36	7	14	51.1	45.7	0.3	0.6	3.26	0.16	1.88	255.7	87.72
Minimum Before (n=11)	70	170	-7	2	0	0	32.2	37.2	0.0	0.0	2.53	0.12	1.50	228.6	80.17
85th Percentile Before (n=11)	114	235	37	67	33	34	60.0	50.3	1.0	1.0	4.17	0.20	2.19	278.7	95.30
Maximum Before (n=11)	131	248	54	80	39	39	60.5	54.2	1.0	1.0	4.34	0.25	2.32	315.4	107.87
Std Dev Before (n=11)	*20*	*24*	*20*	*24*	*14*	*15*	*9.6*	*5.1*	*0.5*	*0.5*	*0.66*	*0.04*	*0.24*	*24.6*	*8.19*
Average After (n=10)	78	196	1	28	0	14	54.0	47.7	0.0	0.7	3.33	0.16	1.87	252.8	86.50
Minimum After (n=10)	75	164	-2	-3	0	0	50.5	40.1	0.0	0.0	2.74	0.13	1.68	236.5	80.92
85th Percentile After (n=10)	81	222	4	54	0	36	55.8	54.7	0.0	1.0	3.62	0.17	1.97	263.5	90.22
Maximum After (n=10)	84	230	7	62	0	37	56.2	56.1	0.0	1.0	3.75	0.18	2.01	268.2	91.68
Std Dev After (n=10)	*3*	*22*	*3*	*22*	*0*	*14*	*1.8*	*5.4*	*0.0*	*0.5*	*0.29*	*0.01*	*0.10*	*9.6*	*3.27*

Difference	-8	-8	-8	-8	-7	-1	2.8	2.0	-0.3	0.1	0.06	-0.01	-0.01	-2.9	-1.22
Difference Minimum	5	-6	5	-6	0	0	18.2	3.0	0.0	0.0	0.21	0.01	0.18	7.9	0.76
Difference 85th Percentile	-33	-13	-33	-13	-33	2	-4.2	4.4	-1.0	0.0	-0.55	-0.03	-0.22	-15.2	-5.08
Difference Maximum	-47	-18	-47	-18	-39	-2	-4.3	1.9	-1.0	0.0	-0.59	-0.07	-0.31	-47.3	-16.18
Std Dev Difference	*20*	*32*	*20*	*32*	*14*	*21*	*9.8*	*7.4*	*0.5*	*0.7*	*0.72*	*0.04*	*0.26*	*26.4*	*8.82*
% *Difference*	-9%	-4%	-85%	-23%	-100%	-6%	5.6%	4.3%	-100.0%	10.0%	1.98%	-3.50%	-0.51%	-1.1%	-1.39%
to Belfair Plantation (#9)															
Average Before (n=11)	75	279	29	65	18	32	36.4	42.9	0.5	1.2	2.31	0.11	1.21	172.9	59.27
Minimum Before (n=11)	49	232	3	19	0	0	23.0	33.5	0.0	0.0	1.61	0.07	0.92	132.9	45.54
85th Percentile Before (n=11)	102	337	56	123	44	76	49.3	48.7	1.0	2.0	3.02	0.14	1.51	214.0	73.33
Maximum Before (n=11)	110	350	63	137	49	82	51.3	50.5	1.0	2.0	3.44	0.17	1.59	216.2	74.06
Std Dev Before (n=11)	*22*	*41*	*22*	*41*	*19*	*30*	*10.6*	*5.9*	*0.5*	*0.8*	*0.55*	*0.03*	*0.22*	*28.6*	*9.78*
Average After (n=10)	45	241	-1	27	0	14	55.6	49.1	0.0	0.7	2.28	0.11	1.26	164.9	56.36
Minimum After (n=10)	44	209	-2	-5	0	0	53.4	42.4	0.0	0.0	1.65	0.08	0.99	137.5	47.04
85th Percentile After (n=10)	47	268	1	54	0	36	56.9	54.5	0.0	1.0	2.86	0.13	1.53	192.9	65.87
Maximum After (n=10)	47	277	1	63	0	37	57.7	56.2	0.0	1.0	2.90	0.13	1.55	196.1	66.96
Std Dev After (n=10)	*1*	*22*	*1*	*22*	*0*	*14*	*1.4*	*4.5*	*0.0*	*0.5*	*0.46*	*0.02*	*0.19*	*19.6*	*6.66*
Difference	-30	-38	-30	-38	-18	-18	19.2	6.2	-0.5	-0.5	-0.03	0.00	0.05	-8.0	-2.91
Difference Minimum	-5	-24	-5	-24	0	0	30.4	8.9	0.0	0.0	0.05	0.01	0.07	4.6	1.51
Difference 85th Percentile	-55	-69	-55	-69	-44	-40	7.6	5.8	-1.0	-1.0	-0.16	-0.01	0.02	-21.1	-7.46
Difference Maximum	-62	-73	-62	-73	-49	-45	6.4	5.7	-1.0	-1.0	-0.54	-0.03	-0.04	-20.1	-7.10
Std Dev Difference	*22*	*47*	*22*	*47*	*19*	*33*	*10.7*	*7.4*	*0.5*	*0.9*	*0.72*	*0.03*	*0.29*	*34.6*	*11.83*
% *Difference*	-39%	-14%	-102%	-58%	-100%	-58%	52.7%	14.6%	-100.0%	-40.8%	-1.23%	-3.37%	4.16%	-4.6%	-4.90%
to Belfair Towne Village (#8)															
Average Before (n=11)	82	361	4	69	3	35	43.9	42.7	0.1	1.3	2.81	0.13	1.58	224.8	76.91
Minimum Before (n=11)	73	314	-5	22	0	0	30.1	35.5	0.0	0.0	2.21	0.10	1.35	198.0	67.77
85th Percentile Before (n=11)	96	411	18	119	0	76	47.6	47.0	0.0	2.0	3.17	0.15	1.69	241.2	82.43
Maximum Before (n=11)	117	430	39	138	32	82	48.2	48.6	1.0	2.0	3.34	0.16	1.74	254.0	87.06
Std Dev Before (n=11)	*13*	*38*	*13*	*38*	*10*	*29*	*5.6*	*4.3*	*0.3*	*0.8*	*0.36*	*0.02*	*0.14*	*17.6*	*6.05*
Average After (n=10)	70	311	-8	19	0	14	50.3	49.2	0.0	0.7	2.62	0.13	1.44	201.8	69.12
Minimum After (n=10)	61	285	-18	-6	0	0	45.3	43.2	0.0	0.0	2.13	0.10	1.21	178.2	60.98
85th Percentile After (n=10)	77	337	-2	45	0	36	53.9	53.4	0.0	1.0	3.14	0.15	1.63	226.2	77.46
Maximum After	78	353	-1	61	0	37	58.2	53.5	0.0	1.0	3.47	0.17	1.82	246.4	84.67

(n=10)															
Std Dev After (n=10)	*6*	*22*	*6*	*22*	*0*	*14*	*4.3*	*3.4*	*0.0*	*0.5*	*0.44*	*0.02*	*0.19*	*21.0*	*7.27*
Difference	-12	-50	-12	-50	-3	-21	6.5	6.5	-0.1	-0.6	-0.20	0.00	-0.14	-23.0	-7.79
Difference Minimum	-13	-29	-13	-29	0	0	15.2	7.7	0.0	0.0	-0.09	0.00	-0.14	-19.9	-6.79
Difference 85th Percentile	-20	-74	-20	-74	0	-40	6.3	6.4	0.0	-1.0	-0.03	0.00	-0.06	-15.0	-4.96
Difference Maximum	-40	-77	-40	-77	-32	-45	10.0	4.9	-1.0	-1.0	0.13	0.02	0.09	-7.6	-2.39
Std Dev Difference	*15*	*44*	*15*	*44*	*10*	*32*	*7.1*	*5.5*	*0.3*	*0.9*	*0.57*	*0.03*	*0.24*	*27.4*	*9.46*
% Difference	-14%	-14%	-315%	-72%	-100%	-61%	14.7%	15.3%	-100.0%	-45.0%	-6.97%	-2.69%	-8.93%	-10.2%	-10.12%
to Crescent Drive (#7)															
Average Before (n=11)	79	440	21	90	22	57	36.9	40.9	0.5	1.8	2.07	0.10	1.19	172.0	58.91
Minimum Before (n=11)	47	372	-10	23	0	17	22.6	35.0	0.0	1.0	1.66	0.08	1.04	149.5	51.11
85th Percentile Before (n=11)	113	498	55	148	54	76	50.7	45.5	1.0	3.0	2.49	0.12	1.32	194.8	66.68
Maximum Before (n=11)	115	511	57	161	57	116	54.7	48.0	1.0	3.0	2.62	0.12	1.44	196.7	67.40
Std Dev Before (n=11)	*28*	*43*	*28*	*43*	*24*	*27*	*13.1*	*4.0*	*0.5*	*0.8*	*0.31*	*0.01*	*0.13*	*16.1*	*5.50*
Average After (n=10)	60	371	2	22	0	14	43.9	48.3	0.0	0.7	1.90	0.09	1.08	157.7	54.04
Minimum After (n=10)	53	338	-5	-12	0	0	35.1	43.9	0.0	0.0	1.59	0.08	0.94	140.6	48.16
85th Percentile After (n=10)	73	396	15	47	0	36	49.3	51.5	0.0	1.0	2.10	0.10	1.19	167.4	57.41
Maximum After (n=10)	74	407	16	57	0	37	49.8	52.8	0.0	1.0	2.27	0.11	1.24	173.2	59.40
Std Dev After (n=10)	*8*	*23*	*8*	*23*	*0*	*14*	*5.2*	*3.0*	*0.0*	*0.5*	*0.23*	*0.01*	*0.10*	*10.2*	*3.48*
Difference	-19	-69	-19	-69	-22	-44	7.0	7.3	-0.5	-1.1	-0.17	-0.01	-0.11	-14.3	-4.86
Difference Minimum	5	-34	5	-34	0	-17	12.5	8.9	0.0	-1.0	-0.07	0.00	-0.10	-8.9	-2.95
Difference 85th Percentile	-40	-102	-40	-102	-54	-40	-1.3	6.0	-1.0	-2.0	-0.39	-0.02	-0.14	-27.4	-9.27
Difference Maximum	-41	-104	-41	-104	-57	-79	-5.0	4.9	-1.0	-2.0	-0.34	-0.01	-0.20	-23.5	-8.00
Std Dev Difference	*29*	*48*	*29*	*48*	*24*	*30*	*14.1*	*5.0*	*0.5*	*0.9*	*0.39*	*0.02*	*0.16*	*19.0*	*6.51*
% Difference	-24%	-16%	-90%	-76%	-100%	-76%	19.0%	17.9%	-100.0%	-61.5%	-8.35%	-6.10%	-9.11%	-8.3%	-8.26%
to Home Depot (#6)															
Average Before (n=11)	42	482	8	98	5	62	39.4	40.5	0.2	2.0	1.63	0.07	0.83	115.6	39.62
Minimum Before (n=11)	29	421	-5	38	0	17	20.5	35.5	0.0	1.0	0.47	0.02	0.29	58.5	20.10
85th Percentile Before (n=11)	63	534	29	150	17	94	48.0	45.2	1.0	3.0	2.51	0.12	1.21	153.5	52.42
Maximum Before (n=11)	75	547	41	163	37	116	53.6	46.0	1.0	3.0	3.65	0.13	1.23	160.2	55.69
Std Dev Before (n=11)	*14*	*41*	*14*	*41*	*12*	*27*	*9.9*	*3.5*	*0.4*	*0.6*	*0.87*	*0.03*	*0.29*	*30.5*	*10.52*
Average After (n=10)	38	410	4	26	5	19	44.7	47.5	0.1	0.8	1.27	0.06	0.74	103.4	35.34
Minimum After (n=10)	29	370	-5	-14	0	0	16.7	44.0	0.0	0.0	0.96	0.04	0.53	78.9	27.03
85th Percentile															

After (n=10)	35	436	1	53	0	37	49.3	51.2	0.0	1.0	1.58	0.07	0.90	119.6	40.81
Maximum After (n=10)	92	441	58	57	55	55	52.2	52.5	1.0	1.0	1.63	0.07	0.94	123.9	42.31
Std Dev After (n=10)	*19*	*24*	*19*	*24*	*17*	*18*	*10.1*	*2.8*	*0.3*	*0.4*	*0.24*	*0.01*	*0.14*	*14.1*	*4.80*
Difference	-4	-73	-4	-73	1	-43	5.2	7.0	-0.1	-1.2	-0.36	-0.01	-0.09	-12.3	-4.28
Difference Minimum	1	-52	1	-52	0	-17	-3.8	8.5	0.0	-1.0	0.49	0.02	0.24	20.4	6.93
Difference 85th Percentile	-28	-97	-28	-97	-17	-57	1.3	6.1	-1.0	-2.0	-0.94	-0.05	-0.32	-33.9	-11.61
Difference Maximum	17	-106	17	-106	18	-62	-1.4	6.4	0.0	-2.0	-2.01	-0.06	-0.28	-36.3	-13.38
Std Dev Difference	*24*	*48*	*24*	*48*	*21*	*33*	*14.2*	*4.5*	*0.5*	*0.8*	*0.91*	*0.03*	*0.32*	*33.6*	*11.56*
% Difference	-9%	-15%	-49%	-74%	11%	-69%	13.2%	17.3%	-45.0%	-60.0%	-22.01%	-18.25%	-10.85%	-10.6%	-10.81%
to Trimblestone Road (#5)															
Average Before (n=11)	41	523	6	105	6	69	42.2	40.2	0.2	2.2	1.16	0.05	0.69	99.2	33.96
Minimum Before (n=11)	30	460	-4	41	0	39	18.1	36.2	0.0	2.0	0.74	0.03	0.48	75.5	25.81
85th Percentile Before (n=11)	60	566	25	147	22	94	51.3	42.8	1.0	3.0	1.46	0.06	0.88	119.1	40.65
Maximum Before (n=11)	87	580	52	161	47	116	51.8	45.6	1.0	3.0	2.14	0.09	1.18	149.3	50.95
Std Dev Before (n=11)	*17*	*36*	*17*	*36*	*15*	*22*	*10.8*	*2.8*	*0.4*	*0.4*	*0.40*	*0.02*	*0.20*	*21.7*	*7.38*
Average After (n=10)	33	443	-2	24	0	19	48.2	47.5	0.0	0.8	1.17	0.05	0.68	95.8	32.80
Minimum After (n=10)	29	400	-5	-19	0	0	34.7	43.1	0.0	0.0	0.85	0.04	0.58	86.1	29.43
85th Percentile After (n=10)	36	466	2	47	0	37	51.6	51.1	0.0	1.0	1.25	0.06	0.72	98.5	33.66
Maximum After (n=10)	45	486	11	68	0	55	53.5	52.4	0.0	1.0	1.98	0.09	1.00	137.5	47.18
Std Dev After (n=10)	*5*	*26*	*5*	*26*	*0*	*18*	*5.5*	*2.9*	*0.0*	*0.4*	*0.30*	*0.01*	*0.12*	*15.2*	*5.22*
Difference	-8	-81	-8	-81	-6	-50	6.0	7.3	-0.2	-1.4	0.01	0.00	0.00	-3.4	-1.16
Difference Minimum	-1	-60	-1	-60	0	-39	16.6	7.0	0.0	-2.0	0.11	0.00	0.10	10.7	3.62
Difference 85th Percentile	-23	-100	-23	-100	-22	-57	0.2	8.3	-1.0	-2.0	-0.21	-0.01	-0.16	-20.6	-6.99
Difference Maximum	-41	-93	-41	-93	-47	-62	1.7	6.8	-1.0	-2.0	-0.17	0.00	-0.17	-11.8	-3.77
Std Dev Difference	*18*	*44*	*18*	*44*	*15*	*29*	*12.1*	*4.0*	*0.4*	*0.6*	*0.50*	*0.02*	*0.24*	*26.4*	*9.03*
% Difference	-20%	-15%	-125%	-77%	-100%	-72%	14.2%	18.1%	-100.0%	-63.3%	1.19%	2.54%	-0.64%	-3.4%	-3.41%
to Sawmill Creek Road (#4)															
Average Before (n=11)	50	574	-4	101	0	69	48.8	41.0	0.0	2.2	1.83	0.08	1.08	150.8	51.56
Minimum Before (n=11)	46	508	-9	35	0	39	43.8	37.5	0.0	2.0	1.48	0.07	0.96	137.8	47.12
85th Percentile Before (n=11)	55	617	1	144	0	94	51.8	43.5	0.0	3.0	2.35	0.11	1.23	168.8	57.77
Maximum Before (n=11)	56	625	1	152	0	116	53.7	46.1	0.0	3.0	2.36	0.11	1.32	178.3	60.96
Std Dev Before (n=11)	*4*	*35*	*4*	*35*	*0*	*22*	*3.4*	*2.6*	*0.0*	*0.4*	*0.33*	*0.02*	*0.12*	*13.0*	*4.45*
Average After (n=10)	48	490	-7	17	0	19	51.4	47.9	0.0	0.8	1.92	0.09	1.12	152.9	52.28
Minimum															

After (n=10)	44	446	-10	-26	0	0	45.1	43.3	0.0	0.0	1.23	0.06	0.82	124.4	42.55
85th Percentile After (n=10)	50	516	-4	43	0	37	54.4	50.9	0.0	1.0	2.44	0.11	1.34	175.0	59.89
Maximum After (n=10)	54	540	0	67	0	55	55.5	52.4	0.0	1.0	2.61	0.13	1.40	187.1	63.88
Std Dev After (n=10)	3	28	3	28	0	18	3.2	2.7	0.0	0.4	0.43	0.02	0.18	18.9	6.44
Difference	-3	-83	-3	-83	0	-50	2.6	6.9	0.0	-1.4	0.09	0.01	0.04	2.0	0.73
Difference Minimum	-2	-62	-2	-62	0	-39	1.3	5.9	0.0	-2.0	-0.25	-0.01	-0.14	-13.4	-4.57
Difference 85th Percentile	-5	-102	-5	-102	0	-57	2.6	7.5	0.0	-2.0	0.09	0.00	0.11	6.3	2.12
Difference Maximum	-2	-85	-2	-85	0	-62	1.9	6.3	0.0	-2.0	0.25	0.02	0.09	8.8	2.92
Std Dev Difference	5	45	5	45	0	29	4.7	3.7	0.0	0.6	0.54	0.03	0.21	22.9	7.83
% Difference	-5%	-15%	-63%	-83%	N/D	-72%	5.3%	16.9%	N/D	-63.3%	4.81%	7.74%	3.72%	1.3%	1.41%
to Colleton River Road (#3)															
Average Before (n=10)	30	603	-3	97	0	68	49.8	41.4	0.0	2.2	1.01	0.05	0.62	87.8	30.01
Minimum Before (n=10)	27	535	-6	29	0	39	44.8	38.1	0.0	2.0	0.56	0.03	0.40	66.0	22.59
85th Percentile Before (n=10)	32	648	-2	142	0	94	53.2	43.8	0.0	3.0	1.22	0.06	0.72	95.6	32.70
Maximum Before (n=10)	33	654	0	148	0	116	55.0	46.5	0.0	3.0	1.92	0.09	1.03	130.1	44.41
Std Dev Before (n=10)	2	37	2	37	0	23	3.0	2.6	0.0	0.4	0.38	0.02	0.17	17.4	5.93
Average After (n=10)	34	524	0	18	0	19	45.2	47.7	0.0	0.8	1.00	0.05	0.56	84.1	28.84
Minimum After (n=10)	29	478	-5	-28	0	0	34.5	43.7	0.0	0.0	0.75	0.04	0.41	69.7	23.96
85th Percentile After (n=10)	43	550	10	44	0	37	51.6	51.0	0.0	1.0	1.07	0.05	0.63	88.0	30.07
Maximum After (n=10)	43	570	10	64	0	55	52.5	52.1	0.0	1.0	1.68	0.08	0.81	115.7	39.78
Std Dev After (n=10)	6	30	6	30	0	18	6.6	2.7	0.0	0.4	0.27	0.01	0.12	12.6	4.33
Difference	4	-79	4	-79	0	-49	-4.6	6.2	0.0	-1.4	-0.02	0.00	-0.06	-3.7	-1.17
Difference Minimum	1	-57	1	-57	0	-39	-10.4	5.6	0.0	-2.0	0.19	0.01	0.00	3.7	1.37
Difference 85th Percentile	11	-98	11	-98	0	-57	-1.6	7.2	0.0	-2.0	-0.15	-0.01	-0.08	-7.7	-2.63
Difference Maximum	10	-84	10	-84	0	-62	-2.6	5.5	0.0	-2.0	-0.25	0.00	-0.22	-14.4	-4.63
Std Dev Difference	6	48	6	48	0	30	7.3	3.8	0.0	0.6	0.46	0.02	0.21	21.5	7.35
% Difference	12%	-13%	113%	-82%	N/D	-72%	-9.3%	15.0%	N/D	-63.6%	-1.57%	3.46%	-9.33%	-4.2%	-3.91%
to Tanger Outlet #2 (#2)															
Average Before (n=10)	84	687	34	131	38	106	44.4	40.4	0.3	2.5	1.52	0.07	0.90	145.0	49.64
Minimum Before (n=10)	38	577	-11	21	0	39	6.6	27.3	0.0	2.0	1.20	0.06	0.56	115.9	39.66
85th Percentile Before (n=10)	161	809	111	253	87	203	53.9	44.4	1.0	4.0	2.02	0.10	1.13	182.1	62.54
Maximum Before (n=10)	342	995	292	439	298	365	58.3	47.1	2.0	5.0	2.12	0.10	1.17	204.1	70.12
Std Dev Before (n=10)	98	125	98	125	95	102	18.2	5.8	0.7	1.1	0.33	0.01	0.19	28.6	9.89

Average After (n=10)	47	571	-3	14	1	20	48.7	47.7	0.1	0.9	1.58	0.07	0.93	132.1	45.21
Minimum After (n=10)	41	526	-9	-30	0	0	36.7	43.0	0.0	0.0	1.11	0.06	0.69	108.7	37.26
85th Percentile After (n=10)	48	595	-2	39	0	37	51.5	50.7	0.0	1.0	1.94	0.09	1.15	152.5	52.07
Maximum After (n=10)	61	631	12	75	12	67	54.8	51.6	1.0	2.0	2.08	0.10	1.20	159.5	54.51
Std Dev After (n=10)	6	33	6	33	4	21	4.7	2.7	0.3	0.6	0.33	0.01	0.17	16.9	5.74
Difference	-38	-117	-38	-117	-37	-86	4.3	7.3	-0.2	-1.6	0.06	0.00	0.03	-12.9	-4.43
Difference Minimum	3	-51	3	-51	0	-39	30.1	15.7	0.0	-2.0	-0.09	0.00	0.14	-7.2	-2.40
Difference 85th Percentile	-113	-214	-113	-214	-87	-166	-2.4	6.3	-1.0	-3.0	-0.09	-0.01	0.02	-29.6	-10.47
Difference Maximum	-280	-364	-280	-364	-286	-298	-3.6	4.5	-1.0	-3.0	-0.03	0.00	0.03	-44.6	-15.61
Std Dev Difference	98	129	98	129	95	105	18.8	6.4	0.7	1.2	0.46	0.02	0.26	33.2	11.43
% Difference	-45%	-17%	-110%	-89%	-97%	-81%	9.7%	18.0%	-66.7%	-64.0%	3.78%	3.83%	3.32%	-8.9%	-8.93%
to Moss Creek (#1)															
Average Before (n=10)	164	852	128	259	129	235	27.4	36.6	0.8	3.3	1.08	0.05	0.59	153.0	52.50
Minimum Before (n=10)	32	612	-4	19	0	39	3.4	21.0	0.0	2.0	0.67	0.03	0.38	74.9	25.63
85th Percentile Before (n=10)	375	1294	339	701	355	664	49.7	44.7	2.0	5.0	1.37	0.07	0.69	274.4	94.06
Maximum Before (n=10)	485	1370	448	778	461	719	50.9	47.1	2.0	7.0	1.76	0.08	0.86	336.8	115.52
Std Dev Before (n=10)	176	279	176	279	183	265	20.7	9.5	0.9	1.7	0.34	0.02	0.14	96.1	32.97
Average After (n=10)	46	617	10	24	1	22	36.8	46.8	0.2	1.1	1.33	0.06	0.68	105.0	36.06
Minimum After (n=10)	34	569	-3	-23	0	0	28.4	42.2	0.0	0.0	0.76	0.03	0.38	73.4	25.25
85th Percentile After (n=10)	56	652	19	59	4	47	43.8	49.8	1.0	2.0	2.05	0.10	0.99	142.4	49.09
Maximum After (n=10)	58	682	21	89	11	67	48.8	50.6	1.0	2.0	2.80	0.12	1.03	145.7	50.04
Std Dev After (n=10)	8	37	8	37	3	23	6.9	2.7	0.4	0.7	0.68	0.03	0.23	27.7	9.58
Difference	-118	-235	-118	-235	-128	-214	9.3	10.3	-0.6	-2.2	0.26	0.01	0.09	-48.0	-16.44
Difference Minimum	1	-42	1	-42	0	-39	25.0	21.2	0.0	-2.0	0.09	0.00	0.01	-1.4	-0.38
Difference 85th Percentile	-319	-642	-319	-642	-350	-617	-5.9	5.1	-1.0	-3.0	0.68	0.03	0.30	-132.0	-44.97
Difference Maximum	-427	-689	-427	-689	-450	-653	-2.1	3.5	-1.0	-5.0	1.04	0.04	0.17	-191.2	-65.48
Std Dev Difference	176	281	176	281	183	266	21.8	9.8	1.0	1.9	0.76	0.03	0.27	100.0	34.34
% Difference	-72%	-28%	-93%	-91%	-99%	-91%	34.0%	28.1%	-75.0%	-66.7%	23.98%	23.02%	15.93%	-31.4%	-31.32%

Travel Time & Delay Report for US 278

Legend:

TT:
    Travel Time from previous Node (seconds)

CTT:
    Cumulative Travel Time since beginning of Run (seconds)

Delay:
    Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
    Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
    Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
    Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
    Actual Average Speed from previous Node (mph) = TL/TT

CAS:
    Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
    Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
    Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
    Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
    Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
    Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
    Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
    Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Contents:

[-] Collapse All

[-] After-type Trip Log "Trip #14", AM-period, started Tuesday 6/5/2018 6:53:44 AM ↑Contents

Entered artery 6:54:39 am (55 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	31	31	-5	-5	0	0	53.3	53.3	0	0	1.61	0.08	0.88	114.2	39.22
to Colleton River Road (#3)	40	71	-10	-16	0	0	55.9	54.8	0	0	1.63	0.09	0.99	132.1	45.37
to Sawmill Creek Road (#4)	28	99	-5	-21	0	0	53.7	54.5	0	0	0.95	0.04	0.60	84.2	28.79
to Trimblestone Road (#5)	44	143	-10	-31	0	0	55.1	54.7	0	0	1.73	0.08	1.07	145.5	49.71
to Home Depot (#6)	29	173	-5	-36	0	0	52.8	54.4	0	0	0.90	0.04	0.58	82.9	28.36
to Crescent Drive (#7)	30	203	-4	-40	0	0	51.5	53.9	0	0	1.24	0.06	0.74	99.1	33.86
to Belfair Towne Village (#8)	59	261	1	-40	0	0	44.4	51.8	0	0	1.48	0.07	0.86	134.0	45.97
to Belfair Plantation (#9)	83	344	19	-21	6	6	42.2	49.5	1	1	3.72	0.17	1.92	260.7	89.20
to Rose Hill Way (#10)	52	396	6	-15	0	6	49.1	49.4	0	1	2.33	0.11	1.33	177.4	60.64
to Bluffton Fire (#14)	77	474	0	-14	0	6	54.8	50.3	0	1	3.31	0.15	1.95	260.8	89.18
to Berkeley Hall (#12)	83	557	51	37	40	45	21.4	46.0	1	2	1.05	0.05	0.59	102.1	35.15
to Hampton Parkway (#13)	72	629	14	50	0	45	44.8	45.9	0	2	3.60	0.17	1.85	244.8	83.82

Entered artery 7:29:17 am (2134 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-2	-2	0	0	48.0	48.0	0	0	15.67	0.27	2.08	191.2	71.83
to Colleton River Road (#3)	46	81	-4	-5	0	0	48.2	48.1	0	0	1.61	0.10	0.89	126.5	43.69
to Sawmill Creek Road (#4)	30	111	-4	-9	0	0	50.5	48.7	0	0	4.09	0.14	1.40	158.0	54.69
to Trimblestone Road (#5)	74	184	19	10	20	20	33.3	42.6	1	1	1.74	0.09	0.88	138.8	47.64
to Home Depot (#6)	30	215	-4	6	0	20	51.2	43.8	0	1	3.11	0.15	1.40	166.6	56.88
to Crescent Drive (#7)	58	272	23	29	21	41	26.7	40.2	1	2	1.23	0.06	0.62	106.8	36.74
to Belfair Towne Village (#8)	107	380	49	79	48	89	24.3	35.7	1	3	3.61	0.17	1.67	225.8	77.37
to Belfair Plantation (#9)	93	472	29	108	15	104	37.8	36.1	1	4	4.20	0.20	2.13	289.3	99.03
to Rose Hill Way (#10)	51	523	5	112	0	104	50.0	37.4	0	4	3.32	0.15	1.76	220.2	75.13
to Bluffton Fire (#14)	69	593	-8	105	0	104	61.2	40.2	0	4	3.97	0.19	2.18	277.4	94.81
to Berkeley Hall (#12)	29	622	-3	102	0	104	61.1	41.2	0	4	1.90	0.09	0.97	121.7	41.59
to Hampton Parkway (#13)	56	678	-2	99	0	104	57.5	42.6	0	4	2.36	0.11	1.40	187.8	64.25

Entered artery 8:01:13 am (4049 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.8	46.8	0	0	2.47	0.11	1.29	159.7	54.49
to Colleton River Road (#3)	39	75	-11	-12	0	0	56.7	52.0	0	0	1.90	0.10	1.10	143.2	49.15
to Sawmill Creek Road (#4)	27	102	-6	-18	0	0	55.7	53.0	0	0	1.01	0.05	0.62	84.8	29.01
to Trimblestone Road (#5)	53	155	-2	-20	0	0	46.4	50.7	0	0	1.06	0.05	0.63	105.3	36.20
to Home Depot (#6)	34	189	0	-20	0	0	45.0	49.7	0	0	1.21	0.05	0.74	103.8	35.47
to Crescent Drive (#7)	72	261	37	17	26	26	21.5	42.0	1	1	1.19	0.06	0.58	100.6	34.57
to Belfair Towne Village (#8)	73	334	15	33	7	33	35.6	40.6	1	2	2.44	0.11	1.31	190.9	65.30
to Belfair Plantation (#9)	89	423	25	58	7	41	39.5	40.3	1	3	3.48	0.16	1.84	256.8	87.95
to Rose Hill Way (#10)	48	471	2	60	0	41	52.9	41.6	0	3	54.86	0.57	3.09	238.2	106.81
to Bluffton Fire (#14)	72	542	-5	55	0	41	59.1	43.9	0	3	3.77	0.18	2.13	274.6	93.84
to Berkeley Hall (#12)	31	573	-1	53	0	41	57.6	44.7	0	3	1.26	0.06	0.76	102.8	35.17
to Hampton Parkway (#13)	55	628	-4	49	0	41	59.2	45.9	0	3	3.06	0.14	1.71	218.3	74.55

Entered artery 8:32:09 am (5905 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-1	-1	0	0	47.4	47.4	0	0	2.75	0.12	1.27	157.2	53.74
to Colleton River Road (#3)	41	76	-9	-10	0	0	54.0	51.0	0	0	1.82	0.10	1.06	140.5	48.25
to Sawmill Creek Road (#4)	26	102	-7	-18	0	0	58.1	52.8	0	0	1.42	0.07	0.78	100.8	34.44
to Trimblestone Road (#5)	64	166	10	-8	0	0	38.2	47.2	0	0	1.61	0.08	0.89	140.7	48.39
to Home Depot (#6)	34	200	-1	-9	0	0	45.7	46.9	0	0	1.52	0.07	0.80	108.7	37.20
to Crescent Drive (#7)	84	284	50	41	37	37	18.3	38.5	1	1	1.40	0.07	0.70	117.4	40.31
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Towne Village (#8)	78	362	21	61	7	44	33.2	37.4	1	2	2.34	0.11	1.24	187.3	64.07
to Belfair Plantation (#9)	92	454	28	89	8	52	38.3	37.5	1	3	3.56	0.17	1.87	261.2	89.38
to Rose Hill Way (#10)	52	506	6	95	0	52	48.9	38.7	0	3	2.61	0.13	1.31	175.2	59.92
to Bluffton Fire (#14)	79	585	2	97	0	52	53.8	40.7	0	3	3.20	0.15	1.86	253.2	86.64
to Berkeley Hall (#12)	79	664	47	144	29	81	22.4	38.6	1	4	1.28	0.06	0.63	115.3	39.63
to Hampton Parkway (#13)	80	744	22	166	0	81	40.4	38.8	0	4	3.35	0.15	1.77	242.6	83.03

Entered artery 9:03:03 am (7759 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	0	0	0	0	46.0	46.0	0	0	2.30	0.11	1.17	148.4	50.67
to Colleton River Road (#3)	46	82	-4	-4	0	0	48.0	47.1	0	0	1.10	0.07	0.70	108.3	37.27
to Sawmill Creek Road (#4)	30	113	-3	-7	0	0	49.9	47.8	0	0	1.39	0.06	0.82	108.5	37.03
to Trimblestone Road (#5)	63	176	9	1	5	5	38.9	44.6	1	1	1.52	0.08	0.85	135.6	46.62
to Home Depot (#6)	32	208	-3	-1	0	5	48.5	45.2	0	1	2.32	0.11	1.14	141.8	48.40
to Crescent Drive (#7)	55	263	21	20	19	24	27.9	41.6	1	2	1.19	0.06	0.59	94.7	32.53
to Belfair Towne Village (#8)	105	367	47	66	42	66	24.9	36.8	1	3	2.86	0.13	1.45	205.4	70.32
to Belfair Plantation (#9)	81	448	17	83	0	66	43.5	38.0	0	3	4.10	0.19	1.99	265.2	90.78
to Rose Hill Way (#10)	52	499	6	89	0	66	49.5	39.2	0	3	3.10	0.14	1.64	208.3	71.17
to Bluffton Fire (#14)	76	575	-1	87	0	66	56.0	41.4	0	3	3.43	0.16	2.01	266.0	90.91
to Berkeley Hall (#12)	106	681	74	161	69	135	16.7	37.6	1	4	1.24	0.07	0.68	114.2	39.42
to Hampton Parkway (#13)	67	748	8	170	0	135	48.3	38.5	0	4	3.72	0.18	1.83	239.7	81.93

[-] After-type Trip Log "Trip #17", AM-period, started Wednesday 6/6/2018 6:46:42 AM ↑Contents

Entered artery 6:48:42 am (121 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	34	34	-2	-2	0	0	48.4	48.4	0	0	0.94	0.05	0.62	90.1	31.03
to Colleton River Road (#3)	45	79	-5	-8	0	0	49.8	49.2	0	0	1.40	0.08	0.93	130.4	44.76
to Sawmill Creek Road (#4)	29	108	-4	-12	0	0	51.6	49.9	0	0	0.88	0.04	0.58	82.9	28.33
to Trimblestone Road (#5)	48	157	-6	-18	0	0	50.6	50.1	0	0	1.42	0.06	0.95	136.9	46.76
to Home Depot (#6)	31	188	-3	-21	0	0	49.1	49.9	0	0	0.76	0.03	0.50	76.4	26.12
to Crescent Drive (#7)	32	220	-2	-23	0	0	47.5	49.6	0	0	0.83	0.04	0.57	84.6	28.91
to Belfair Towne Village (#8)	54	275	-4	-26	0	0	48.1	49.3	0	0	1.58	0.07	1.03	149.2	50.98
to Belfair Plantation (#9)	75	349	11	-16	0	0	46.9	48.8	0	0	2.83	0.13	1.56	217.6	74.50
to Rose Hill Way (#10)	51	400	4	-11	0	0	50.5	49.0	0	0	3.22	0.14	1.73	217.2	74.15
to Bluffton Fire (#14)	73	473	-4	-15	0	0	58.2	50.4	0	0	3.39	0.15	2.02	264.4	90.34
to Berkeley Hall (#12)	32	504	0	-16	0	0	56.0	50.8	0	0	1.26	0.06	0.76	103.2	35.31
to Hampton Parkway (#13)	57	561	-2	-18	0	0	57.2	51.4	0	0	2.60	0.12	1.52	200.9	68.69

Entered artery 7:13:42 am (1620 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	51.1	51.1	0	0	1.26	0.06	0.74	101.3	34.66
to Colleton River Road (#3)	43	75	-7	-11	0	0	51.9	51.6	0	0	1.41	0.08	0.92	127.6	43.83
to Sawmill Creek Road (#4)	29	104	-4	-16	0	0	51.9	51.7	0	0	1.05	0.05	0.66	91.1	31.13
to Trimblestone Road (#5)	51	156	-3	-19	0	0	48.0	50.5	0	0	0.98	0.05	0.69	112.2	38.41
to Home Depot (#6)	52	207	17	-2	11	11	30.1	45.4	1	1	1.31	0.06	0.67	107.8	36.98
to Crescent Drive (#7)	33	240	-1	-3	0	11	46.5	45.5	0	1	2.08	0.09	1.10	138.3	47.22
to Belfair Towne Village (#8)	67	307	9	6	6	17	39.0	44.1	1	2	2.02	0.10	1.11	164.7	56.47
to Belfair Plantation (#9)	75	382	11	17	0	17	47.1	44.7	0	2	2.98	0.14	1.69	230.8	79.00
to Rose Hill Way (#10)	47	429	1	18	0	17	54.3	45.7	0	2	2.86	0.13	1.54	194.3	66.36
to Bluffton Fire (#14)	74	502	-3	15	0	17	57.4	47.4	0	2	3.85	0.18	2.12	275.4	94.14
to Berkeley Hall (#12)	30	532	-3	12	0	17	60.0	48.1	0	2	1.40	0.07	0.82	107.4	36.73
to Hampton Parkway (#13)	54	586	-5	7	0	17	60.3	49.3	0	2	3.04	0.14	1.64	210.0	71.80

Entered artery 7:53:14 am (3993 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	50.1	50.1	0	0	1.73	0.07	0.78	105.3	36.20
to Colleton River Road (#3)	42	76	-8	-11	0	0	52.5	51.5	0	0	1.67	0.09	1.02	137.7	47.27
to Sawmill Creek Road (#4)	33	109	0	-11	0	0	45.2	49.5	0	0	0.82	0.04	0.46	72.5	24.97
to Trimblestone Road (#5)	50	159	-4	-15	0	0	48.7	49.3	0	0	2.41	0.11	1.37	180.4	61.61
to Home Depot (#6)	58	217	24	8	20	20	26.6	43.2	1	1	1.09	0.05	0.61	99.1	34.03
to Crescent Drive (#7)	32	250	-2	7	0	20	47.3	43.7	0	1	2.40	0.11	1.18	146.1	49.88
to Belfair Towne Village (#8)	61	311	3	10	0	20	42.6	43.5	0	1	1.33	0.06	0.83	132.9	45.60
to Belfair Plantation (#9)	97	408	33	43	17	36	36.2	41.8	1	2	3.99	0.19	2.04	283.7	97.12
to Rose Hill Way (#10)	46	454	0	43	0	36	55.6	43.2	0	2	3.08	0.14	1.52	191.7	65.50
to Bluffton Fire (#14)	74	528	-3	40	0	36	57.5	45.2	0	2	3.86	0.17	2.20	283.2	96.73
to Berkeley Hall (#12)	85	613	53	93	41	78	20.9	41.8	1	3	1.35	0.07	0.73	120.6	41.47
to Hampton Parkway (#13)	70	683	12	105	0	78	45.9	42.2	0	3	3.39	0.16	1.68	225.8	77.28

Entered artery 8:19:33 am (5571 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	50.5	50.5	0	0	1.14	0.05	0.72	100.4	34.29
to Colleton River Road (#3)	42	75	-8	-12	0	0	53.3	52.0	0	0	1.53	0.09	0.95	129.9	44.62
to Sawmill Creek Road (#4)	28	103	-5	-17	0	0	53.7	52.5	0	0	1.18	0.05	0.72	95.8	32.72
to Trimblestone Road (#5)	46	149	-8	-25	0	0	52.8	52.6	0	0	1.40	0.06	0.93	132.2	45.19
to Home Depot (#6)	38	187	3	-22	0	0	40.8	50.2	0	0	0.58	0.03	0.37	67.7	23.31
to Crescent Drive (#7)	39	226	5	-17	0	0	39.6	48.4	0	0	1.50	0.07	0.90	123.3	42.10
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Towne Village (#8)	62	288	4	-13	0	0	42.1	47.0	0	0	2.52	0.12	1.27	177.9	61.00
to Belfair Plantation (#9)	81	368	17	3	0	0	43.6	46.3	0	0	3.52	0.17	1.86	252.5	86.45
to Rose Hill Way (#10)	55	423	9	12	0	0	46.5	46.3	0	0	1.62	0.08	0.97	142.7	48.88
to Bluffton Fire (#14)	82	505	5	17	0	0	51.8	47.2	0	0	3.28	0.15	1.93	262.7	89.81
to Berkeley Hall (#12)	88	593	56	73	36	36	20.2	43.2	1	1	1.14	0.06	0.61	111.0	38.10
to Hampton Parkway (#13)	65	658	7	80	0	36	49.7	43.8	0	1	3.40	0.16	1.74	229.0	78.37

Entered artery 8:50:53 am (7451 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	50.4	50.4	0	0	1.61	0.07	0.91	119.6	40.81
to Colleton River Road (#3)	40	73	-10	-14	0	0	55.6	53.2	0	0	1.57	0.09	0.91	124.4	42.79
to Sawmill Creek Road (#4)	29	102	-4	-18	0	0	51.9	52.8	0	0	1.08	0.05	0.67	92.1	31.48
to Trimblestone Road (#5)	46	149	-8	-26	0	0	52.8	52.8	0	0	1.51	0.07	0.98	137.2	46.91
to Home Depot (#6)	32	181	-2	-28	0	0	47.6	51.9	0	0	0.54	0.03	0.34	59.6	20.43
to Crescent Drive (#7)	32	213	-2	-30	0	0	47.2	51.2	0	0	1.34	0.06	0.79	107.4	36.68
to Belfair Towne Village (#8)	63	276	5	-24	0	0	41.4	49.0	0	0	2.32	0.11	1.20	171.4	58.80
to Belfair Plantation (#9)	81	357	17	-8	0	0	43.4	47.7	0	0	3.29	0.15	1.72	239.2	81.92
to Rose Hill Way (#10)	49	406	3	-5	0	0	52.2	48.2	0	0	2.21	0.11	1.22	163.8	56.06
to Bluffton Fire (#14)	74	480	-3	-8	0	0	57.6	49.7	0	0	3.90	0.19	2.10	273.4	93.50
to Berkeley Hall (#12)	104	584	72	64	53	53	17.1	43.9	1	1	1.27	0.06	0.66	124.3	42.78
to Hampton Parkway (#13)	68	652	9	73	0	53	47.7	44.3	0	1	2.64	0.12	1.52	209.8	71.74

[-] Before-type Trip Log "Trip #16:39:46 AM". AM-period, started Monday 3/26/2018 6:39:44 AM ↑Contents

Entered artery 6:52:07 am (743 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	0	0	0	0	45.4	45.4	0	0	0.89	0.04	0.61	92.5	31.63
to Colleton River Road (#3)	48	85	-2	-2	0	0	46.0	45.7	0	0	1.05	0.06	0.75	115.2	39.58
to Sawmill Creek Road (#4)	62	147	28	27	23	23	24.6	36.8	1	1	1.10	0.06	0.64	110.1	37.91
to Trimblestone Road (#5)	79	226	24	51	22	46	31.4	34.9	1	2	2.97	0.14	1.54	213.5	73.29
to Home Depot (#6)	36	262	2	53	0	46	42.4	36.0	0	2	1.77	0.08	0.99	130.3	44.49
to Crescent Drive (#7)	59	321	25	77	18	64	26.1	34.2	1	3	1.13	0.05	0.56	101.5	34.80
to Belfair Towne Village (#8)	57	377	-1	76	0	64	45.9	35.9	0	3	2.38	0.11	1.37	186.0	63.58
to Belfair Plantation (#9)	65	442	1	77	0	64	54.0	38.6	0	3	2.73	0.13	1.62	217.6	74.39
to Rose Hill Way (#10)	48	490	2	79	0	64	53.2	40.0	0	3	1.65	0.08	1.05	146.2	49.97
to Bluffton Fire (#14)	81	572	5	84	0	64	52.1	41.7	0	3	2.64	0.12	1.72	241.5	82.51
to Berkeley Hall (#12)	34	605	2	85	0	64	52.5	42.3	0	3	1.23	0.05	0.78	107.0	36.54
to Hampton Parkway (#13)	60	665	1	87	0	64	54.3	43.4	0	3	2.13	0.10	1.35	186.3	63.66

Entered artery 7:20:42 am (2458 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	42.8	42.8	0	0	1.79	0.08	1.01	134.2	45.83
to Colleton River Road (#3)	44	83	-6	-4	0	0	50.7	47.0	0	0	1.53	0.08	0.96	132.3	45.47
to Sawmill Creek Road (#4)	28	111	-5	-9	0	0	53.7	48.7	0	0	1.13	0.05	0.70	94.3	32.19
to Trimblestone Road (#5)	53	164	-1	-10	0	0	46.1	47.9	0	0	1.14	0.06	0.71	114.8	39.43
to Home Depot (#6)	35	199	0	-10	0	0	44.5	47.3	0	0	1.19	0.05	0.72	101.2	34.61
to Crescent Drive (#7)	34	233	0	-10	0	0	44.8	46.9	0	0	0.94	0.04	0.63	91.6	31.33
to Belfair Towne Village (#8)	52	285	-6	-16	0	0	50.3	47.5	0	0	1.77	0.08	1.10	154.8	52.91
to Belfair Plantation (#9)	65	349	1	-16	0	0	54.3	48.8	0	0	2.86	0.13	1.69	224.3	76.62
to Rose Hill Way (#10)	45	394	-1	-17	0	0	57.0	49.7	0	0	1.87	0.09	1.13	151.1	51.66
to Bluffton Fire (#14)	74	468	-3	-20	0	0	57.6	51.0	0	0	3.53	0.16	2.06	269.0	91.90
to Berkeley Hall (#12)	31	499	-1	-21	0	0	57.5	51.4	0	0	1.43	0.07	0.84	110.6	37.80
to Hampton Parkway (#13)	59	557	0	-21	0	0	55.3	51.8	0	0	1.97	0.09	1.21	170.2	58.21

Entered artery 7:51:12 am (4288 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	1	1	0	0	44.5	44.5	0	0	1.04	0.16	0.68	94.3	33.95
to Colleton River Road (#3)	46	83	-4	-4	0	0	48.7	46.8	0	0	1.42	0.08	0.91	129.2	44.38
to Sawmill Creek Road (#4)	58	141	24	21	15	15	26.2	38.4	1	1	0.92	0.04	0.44	89.2	30.61
to Trimblestone Road (#5)	93	233	38	59	29	44	26.5	33.6	1	2	2.34	0.11	1.23	183.3	62.77
to Home Depot (#6)	36	270	2	61	0	44	42.6	34.8	0	2	1.72	0.08	0.97	128.2	43.77
to Crescent Drive (#7)	33	303	-1	60	0	44	46.2	36.1	0	2	0.88	0.04	0.57	85.1	29.12
to Belfair Towne Village (#8)	54	357	-3	56	0	44	47.9	37.9	0	2	1.55	0.07	1.01	146.8	50.20
to Belfair Plantation (#9)	67	424	3	59	0	44	52.7	40.2	0	2	2.46	0.11	1.52	209.4	71.55
to Rose Hill Way (#10)	64	487	18	76	0	44	40.0	40.2	0	2	1.90	0.09	1.02	153.7	52.66
to Bluffton Fire (#14)	82	569	5	82	0	44	51.6	41.8	0	2	3.36	0.15	2.01	271.4	92.70
to Berkeley Hall (#12)	35	605	3	85	0	44	50.3	42.3	0	2	0.85	0.04	0.58	87.8	30.01
to Hampton Parkway (#13)	62	667	3	88	0	44	52.2	43.2	0	2	2.20	0.10	1.36	188.5	64.42

Entered artery 8:21:48 am (6125 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	44.5	44.5	0	0	2.28	0.10	1.23	156.0	53.22
to Colleton River Road (#3)	42	79	-8	-7	0	0	53.3	49.1	0	0	1.42	0.08	0.90	125.3	43.07
to Sawmill Creek Road (#4)	28	107	-5	-13	0	0	53.5	50.3	0	0	1.28	0.06	0.76	100.4	34.29
to Trimblestone Road (#5)	49	156	-6	-18	0	0	50.4	50.3	0	0	1.09	0.05	0.69	109.3	37.40
to Home Depot (#6)	35	191	1	-18	0	0	43.9	49.1	0	0	1.00	0.05	0.67	96.6	33.01
to Crescent Drive (#7)	44	235	10	-8	0	0	34.8	46.4	0	0	0.86	0.04	0.50	85.1	29.18
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Towne Village (#8)	58	293	0	-8	0	0	44.9	46.1	0	0	2.12	0.10	1.25	174.7	59.71
to Belfair Plantation (#9)	66	359	2	-6	0	0	53.3	47.5	0	0	2.65	0.12	1.59	215.7	73.68
to Rose Hill Way (#10)	61	420	14	9	0	0	42.2	46.7	0	0	2.05	0.10	1.09	157.7	54.07
to Bluffton Fire (#14)	80	500	4	12	0	0	52.7	47.7	0	0	3.32	0.15	1.99	268.3	91.65
to Berkeley Hall (#12)	34	534	2	14	0	0	52.8	48.0	0	0	1.33	0.06	0.79	108.0	36.94
to Hampton Parkway (#13)	59	592	0	14	0	0	55.2	48.7	0	0	2.37	0.11	1.46	196.4	67.09

Entered artery 8:48:35 am (7731 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.4	46.4	0	0	2.35	0.11	1.19	149.9	51.19
to Colleton River Road (#3)	42	78	-8	-8	0	0	52.3	49.6	0	0	1.58	0.09	0.97	133.0	45.67
to Sawmill Creek Road (#4)	29	107	-5	-13	0	0	52.6	50.4	0	0	1.02	0.05	0.62	86.9	29.72
to Trimblestone Road (#5)	52	159	-3	-16	0	0	47.4	49.4	0	0	1.78	0.09	0.99	141.5	48.51
to Home Depot (#6)	35	194	0	-15	0	0	44.2	48.5	0	0	1.45	0.07	0.83	112.6	38.47
to Crescent Drive (#7)	33	227	-1	-16	0	0	45.9	48.1	0	0	1.04	0.05	0.58	85.0	29.08
to Belfair Towne Village (#8)	49	276	-9	-25	0	0	52.9	49.0	0	0	2.20	0.10	1.31	173.5	59.26
to Belfair Plantation (#9)	63	339	-1	-26	0	0	56.1	50.3	0	0	2.77	0.13	1.64	217.3	74.26
to Rose Hill Way (#10)	44	383	-2	-28	0	0	58.3	51.2	0	0	2.18	0.10	1.26	163.8	55.96
to Bluffton Fire (#14)	75	458	-2	-30	0	0	56.6	52.1	0	0	3.18	0.15	1.90	253.7	86.70
to Berkeley Hall (#12)	33	491	1	-29	0	0	53.7	52.2	0	0	1.21	0.06	0.69	96.7	33.09
to Hampton Parkway (#13)	62	553	4	-26	0	0	52.2	52.2	0	0	2.52	0.12	1.43	194.8	66.63

Entered artery 9:13:52 am (9248 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	32	32	-4	-4	0	0	51.3	51.3	0	0	1.13	0.05	0.66	92.8	31.79
to Colleton River Road (#3)	44	77	-5	-10	0	0	50.1	50.6	0	0	1.07	0.06	0.73	110.4	37.98
to Sawmill Creek Road (#4)	53	129	19	9	11	11	28.7	41.7	1	1	0.75	0.04	0.45	86.8	29.81
to Trimblestone Road (#5)	75	204	21	30	20	32	32.7	38.4	1	2	19.72	0.29	2.09	218.3	82.98
to Home Depot (#6)	45	249	10	40	0	32	34.7	37.7	0	2	2.15	0.10	1.03	139.3	47.73
to Crescent Drive (#7)	65	314	31	71	22	53	23.5	34.8	1	3	1.68	0.08	0.93	135.9	46.56
to Belfair Towne Village (#8)	54	369	-3	68	0	53	47.8	36.7	0	3	2.48	0.11	1.42	189.4	64.68
to Belfair Plantation (#9)	62	431	-2	66	0	53	56.4	39.5	0	3	3.06	0.14	1.79	232.3	79.33
to Rose Hill Way (#10)	46	477	0	66	0	53	55.7	41.1	0	3	1.56	0.07	0.98	136.8	46.79
to Bluffton Fire (#14)	74	551	-3	63	0	53	57.3	43.3	0	3	3.91	0.18	2.20	284.0	97.03
to Berkeley Hall (#12)	31	582	-1	63	0	53	56.7	44.0	0	3	1.18	0.06	0.72	98.7	33.77
to Hampton Parkway (#13)	60	642	1	64	0	53	54.2	44.9	0	3	2.14	0.10	1.35	186.1	63.63

[-] Before-type Trip Log "Trip #46:42:06 AM", AM-period, started Tuesday 3/27/2018 6:42:06 AM　↑Contents

Entered artery 6:56:17 am (851 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.3	46.3	0	0	4.08	0.14	1.45	168.1	58.19
to Colleton River Road (#3)	40	76	-10	-11	0	0	56.0	51.4	0	0	2.09	0.11	1.18	151.9	52.07
to Sawmill Creek Road (#4)	26	102	-7	-18	0	0	57.2	52.9	0	0	0.97	0.05	0.61	83.2	28.47
to Trimblestone Road (#5)	46	148	-8	-26	0	0	52.9	52.9	0	0	1.17	0.06	0.76	114.8	39.34
to Home Depot (#6)	33	181	-2	-28	0	0	47.2	51.9	0	0	0.95	0.04	0.60	87.7	30.02
to Crescent Drive (#7)	60	241	26	-2	15	15	25.4	45.3	1	1	0.78	0.04	0.44	92.1	31.63
to Belfair Towne Village (#8)	57	299	-1	-2	0	15	45.6	45.3	0	1	2.73	0.13	1.40	188.0	64.29
to Belfair Plantation (#9)	70	368	6	3	0	15	50.4	46.3	0	1	2.44	0.11	1.50	209.3	71.57
to Rose Hill Way (#10)	47	416	1	5	0	15	53.8	47.1	0	1	1.85	0.09	1.11	151.3	51.73
to Bluffton Fire (#14)	80	495	3	7	0	15	53.3	48.1	0	1	3.08	0.14	1.89	257.5	88.02
to Berkeley Hall (#12)	32	527	0	7	0	15	55.2	48.6	0	1	1.12	0.05	0.70	98.1	33.51
to Hampton Parkway (#13)	63	590	4	12	0	15	51.6	48.9	0	1	2.03	0.09	1.33	186.8	63.80

Entered artery 7:23:34 am (2489 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	44.3	44.3	0	0	1.64	0.07	0.97	129.8	44.31
to Colleton River Road (#3)	43	81	-7	-6	0	0	51.7	48.2	0	0	1.36	0.08	0.89	124.7	42.85
to Sawmill Creek Road (#4)	29	109	-5	-10	0	0	52.2	49.3	0	0	1.04	0.05	0.65	90.2	30.80
to Trimblestone Road (#5)	48	157	-6	-17	0	0	51.0	49.8	0	0	1.50	0.07	0.93	133.8	45.81
to Home Depot (#6)	31	189	-4	-20	0	0	49.8	49.8	0	0	0.91	0.04	0.56	82.0	28.04
to Crescent Drive (#7)	31	220	-3	-23	0	0	49.0	49.7	0	0	0.98	0.04	0.63	89.7	30.64
to Belfair Towne Village (#8)	52	272	-6	-29	0	0	50.4	49.8	0	0	1.60	0.08	1.00	143.3	49.05
to Belfair Plantation (#9)	67	338	3	-27	0	0	52.6	50.4	0	0	2.32	0.11	1.46	203.0	69.38
to Rose Hill Way (#10)	48	386	2	-25	0	0	52.9	50.7	0	0	1.77	0.08	1.08	149.7	51.15
to Bluffton Fire (#14)	76	462	-1	-25	0	0	55.8	51.5	0	0	3.57	0.16	2.08	273.3	93.37
to Berkeley Hall (#12)	32	494	0	-26	0	0	56.0	51.8	0	0	1.13	0.05	0.72	99.2	33.90
to Hampton Parkway (#13)	56	550	-3	-29	0	0	57.9	52.4	0	0	3.07	0.14	1.68	216.6	73.98

Entered artery 8:02:13 am (4808 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	30	30	-6	-6	0	0	55.0	55.0	0	0	1.60	0.07	0.90	115.9	39.58
to Colleton River Road (#3)	40	70	-10	-17	0	0	56.1	55.6	0	0	1.52	0.09	0.94	127.0	43.64
to Sawmill Creek Road (#4)	38	108	5	-12	0	0	39.5	49.9	0	0	0.70	0.04	0.40	70.1	24.18
to Trimblestone Road (#5)	94	202	39	27	37	37	26.1	38.9	1	1	2.63	0.12	1.41	197.9	67.80
to Home Depot (#6)	36	238	1	29	0	37	43.2	39.5	0	1	2.24	0.10	1.18	149.4	51.00
to Crescent Drive (#7)	30	268	-4	25	0	37	51.2	40.8	0	1	0.91	0.04	0.60	85.6	29.25
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Towne Village (#8)	51	319	-7	18	0	37	50.8	42.4	0	1	1.50	0.07	1.00	144.3	49.30
to Belfair Plantation (#9)	63	382	-1	17	0	37	55.5	44.6	0	1	2.87	0.13	1.69	223.6	76.37
to Rose Hill Way (#10)	60	443	14	32	0	37	42.2	44.3	0	1	1.48	0.07	0.89	137.7	47.18
to Bluffton Fire (#14)	81	524	5	36	0	37	52.0	45.5	0	1	3.82	0.17	2.25	295.2	100.81
to Berkeley Hall (#12)	34	558	1	38	0	37	52.9	45.9	0	1	1.01	0.05	0.66	94.9	32.45
to Hampton Parkway (#13)	60	618	2	39	0	37	53.8	46.7	0	1	2.42	0.11	1.44	194.9	66.62

Entered artery 8:39:20 am (7034 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	50.4	50.4	0	0	1.31	0.06	0.75	103.6	35.40
to Colleton River Road (#3)	41	74	-9	-13	0	0	54.6	52.7	0	0	1.66	0.09	1.01	134.9	46.33
to Sawmill Creek Road (#4)	43	117	10	-3	8	8	35.0	46.2	1	1	1.15	0.06	0.59	93.0	31.92
to Trimblestone Road (#5)	114	232	60	57	61	69	21.4	33.9	1	2	3.15	0.15	1.63	224.6	77.16
to Home Depot (#6)	35	266	0	58	0	69	44.3	35.3	0	2	2.10	0.09	1.11	141.0	48.13
to Crescent Drive (#7)	30	297	-4	54	0	69	50.4	36.8	0	2	0.90	0.04	0.59	85.2	29.13
to Belfair Towne Village (#8)	52	349	-6	48	0	69	50.0	38.8	0	2	1.69	0.08	1.05	149.6	51.15
to Belfair Plantation (#9)	62	411	-2	46	0	69	56.9	41.5	0	2	3.14	0.14	1.79	232.1	79.25
to Rose Hill Way (#10)	66	476	20	65	7	75	38.9	41.2	1	3	1.93	0.09	1.06	159.2	54.56
to Bluffton Fire (#14)	80	556	3	68	0	75	52.8	42.8	0	3	3.98	0.19	2.22	290.4	99.28
to Berkeley Hall (#12)	31	588	-1	68	0	75	56.9	43.6	0	3	1.52	0.07	0.84	110.3	37.71
to Hampton Parkway (#13)	60	647	1	69	0	75	54.3	44.6	0	3	2.10	0.10	1.32	182.5	62.38

Entered artery 9:07:33 am (8728 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-2	-2	0	0	48.1	48.1	0	0	6.40	0.16	1.45	162.0	57.69
to Colleton River Road (#3)	40	75	-10	-12	0	0	55.3	52.0	0	0	1.44	0.08	0.90	123.7	42.54
to Sawmill Creek Road (#4)	28	103	-6	-17	0	0	54.2	52.6	0	0	1.32	0.06	0.77	101.5	34.66
to Trimblestone Road (#5)	45	148	-9	-27	0	0	54.2	53.1	0	0	1.36	0.06	0.88	126.0	43.10
to Home Depot (#6)	30	178	-4	-31	0	0	51.2	52.8	0	0	1.08	0.05	0.67	93.3	31.89
to Crescent Drive (#7)	45	223	11	-20	0	0	34.3	49.1	0	0	1.00	0.05	0.53	88.5	30.38
to Belfair Towne Village (#8)	51	273	-7	-27	0	0	51.3	49.5	0	0	2.49	0.12	1.36	179.7	61.41
to Belfair Plantation (#9)	63	337	-1	-28	0	0	55.2	50.6	0	0	2.93	0.13	1.73	228.1	77.91
to Rose Hill Way (#10)	42	379	-4	-32	0	0	60.7	51.7	0	0	2.52	0.12	1.33	169.2	57.79
to Bluffton Fire (#14)	70	449	-7	-39	0	0	61.0	53.1	0	0	3.93	0.18	2.19	279.1	95.35
to Berkeley Hall (#12)	31	479	-1	-41	0	0	57.7	53.4	0	0	1.21	0.06	0.72	97.9	33.49
to Hampton Parkway (#13)	57	537	-1	-42	0	0	56.6	53.8	0	0	2.46	0.11	1.48	197.3	67.42

Cumulative Reports

[-] After-type Trip Log "Trip #14", AM-period, started Tuesday 6/5/2018 6:53:44 AM ↑Contents

Entered artery 6:54:39 am (55 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	629	50	45	45.9	2
to Hampton Parkway (#13)	678	99	104	42.6	4
to Hampton Parkway (#13)	628	49	41	45.9	3
to Hampton Parkway (#13)	744	166	81	38.8	4
to Hampton Parkway (#13)	748	170	135	38.5	4

[-] After-type Trip Log "Trip #17", AM-period, started Wednesday 6/6/2018 6:46:42 AM ↑Contents

Entered artery 6:48:42 am (121 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	561	-18	0	51.4	0
to Hampton Parkway (#13)	586	7	17	49.3	2
to Hampton Parkway (#13)	683	105	78	42.2	3
to Hampton Parkway (#13)	658	80	36	43.8	1
to Hampton Parkway (#13)	652	73	53	44.3	1

[-] Before-type Trip Log "Trip #16:39:46 AM", AM-period, started Monday 3/26/2018 6:39:44 AM ↑Contents

Entered artery 6:52:07 am (743 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	665	87	64	43.4	3
to Hampton Parkway (#13)	557	-21	0	51.8	0
to Hampton Parkway (#13)	667	88	44	43.2	2
to Hampton Parkway (#13)	592	14	0	48.7	0
to Hampton Parkway (#13)	553	-26	0	52.2	0
to Hampton Parkway (#13)	642	64	53	44.9	3

[-] Before-type Trip Log "Trip #46:42:06 AM", AM-period, started Tuesday 3/27/2018 6:42:06 AM ↑Contents

Entered artery 6:56:17 am (851 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	590	12	15	48.9	1
to Hampton Parkway (#13)	550	-29	0	52.4	0
to Hampton Parkway (#13)	618	39	37	46.7	1
to Hampton Parkway (#13)	647	69	75	44.6	3
to Hampton Parkway (#13)	537	-42	0	53.8	0

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:57:54 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Summarized Travel Time from previous Node (seconds)

CTT:
Summarized Cumulative Travel Time since beginning of Run (seconds)

Delay:
Summarized Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Summarized Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Summarized Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Summarized Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Summarized Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Summarized Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Summarized Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Summarized Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Summarized Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Summary of runs Westbound from Moss Creek (#1)
11 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 6:52:07 AM to 9:13:52 AM
10 After-type runs, 5 of unverifiable origin, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 6:48:42 AM to 9:03:03 AM

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)															
Average Before (n=11)	36	36	-1	-1	0	0	47.2	47.2	0.0	0.0	2.23	0.09	0.99	127.2	43.89
Minimum Before (n=11)	30	30	-6	-6	0	0	42.8	42.8	0.0	0.0	0.89	0.04	0.61	92.5	31.63
85th Percentile Before (n=11)	38	38	1	1	0	0	51.3	51.3	0.0	0.0	4.08	0.16	1.45	162.0	57.69
Maximum Before (n=11)	39	39	2	2	0	0	55.0	55.0	0.0	0.0	6.40	0.16	1.45	168.1	58.19
Std Dev Before (n=11)	*3*	*3*	*3*	*3*	*0*	*0*	*3.7*	*3.7*	*0.0*	*0.0*	*1.64*	*0.04*	*0.31*	*29.0*	*10.13*
Average After (n=10)	34	34	-3	-3	0	0	49.2	49.2	0.0	0.0	3.15	0.10	1.04	128.7	44.69
Minimum After (n=10)	31	31	-5	-5	0	0	46.0	46.0	0.0	0.0	0.94	0.05	0.62	90.1	31.03
85th Percentile After (n=10)	36	36	-1	-1	0	0	51.1	51.1	0.0	0.0	2.75	0.12	1.29	159.7	54.49
Maximum After (n=10)	36	36	0	0	0	0	53.3	53.3	0.0	0.0	15.67	0.27	2.08	191.2	71.83
Std Dev After (n=10)	*2*	*2*	*2*	*2*	*0*	*0*	*2.3*	*2.3*	*0.0*	*0.0*	*4.44*	*0.06*	*0.43*	*33.2*	*12.75*
Difference	-2	-2	-2	-2	0	0	2.0	2.0	0.0	0.0	0.92	0.01	0.05	1.5	0.81
Difference Minimum	1	1	1	1	0	0	3.2	3.2	0.0	0.0	0.05	0.01	0.00	-2.4	-0.60
Difference															

85th Percentile	-2	-2	-2	-2	0	0	-0.1	-0.1	0.0	0.0	-1.33	-0.03	-0.16	-2.3	-3.20
Difference Maximum	-3	-3	-3	-3	0	0	-1.7	-1.7	0.0	0.0	9.27	0.11	0.63	23.0	13.64
Std Dev Difference	*3*	*3*	*3*	*3*	*0*	*0*	*4.3*	*4.3*	*0.0*	*0.0*	*4.73*	*0.08*	*0.53*	*44.1*	*16.28*
% Difference	-4%	-4%	-138%	-138%	N/D	N/D	4.3%	4.3%	N/D	N/D	41.36%	6.41%	5.35%	1.2%	1.83%
to Colleton River Road (#3)															
Average Before (n=11)	43	78	-7	-8	0	0	52.2	49.9	0.0	0.0	1.47	0.08	0.92	128.0	43.96
Minimum Before (n=11)	40	70	-10	-17	0	0	46.0	45.7	0.0	0.0	1.05	0.06	0.73	110.4	37.98
85th Percentile Before (n=11)	46	83	-4	-4	0	0	56.0	52.7	0.0	0.0	1.66	0.09	1.01	134.9	46.33
Maximum Before (n=11)	48	85	-2	-2	0	0	56.1	55.6	0.0	0.0	2.09	0.11	1.18	151.9	52.07
Std Dev Before (n=11)	*3*	*5*	*3*	*5*	*0*	*0*	*3.2*	*2.9*	*0.0*	*0.0*	*0.28*	*0.01*	*0.12*	*10.8*	*3.69*
Average After (n=10)	42	76	-8	-10	0	0	52.6	51.0	0.0	0.0	1.56	0.09	0.95	130.0	44.70
Minimum After (n=10)	39	71	-11	-16	0	0	48.0	47.1	0.0	0.0	1.10	0.07	0.70	108.3	37.27
85th Percentile After (n=10)	46	81	-4	-5	0	0	55.9	53.2	0.0	0.0	1.82	0.10	1.06	140.5	48.25
Maximum After (n=10)	46	82	-4	-4	0	0	56.7	54.8	0.0	0.0	1.90	0.10	1.10	143.2	49.15
Std Dev After (n=10)	*3*	*4*	*3*	*4*	*0*	*0*	*3.1*	*2.3*	*0.0*	*0.0*	*0.23*	*0.01*	*0.11*	*9.8*	*3.33*
Difference	0	-2	0	-2	0	0	0.3	1.2	0.0	0.0	0.10	0.01	0.03	2.1	0.74
Difference Minimum	-1	1	-1	1	0	0	2.0	1.4	0.0	0.0	0.05	0.01	-0.03	-2.1	-0.71
Difference 85th Percentile	1	-2	1	-2	0	0	-0.1	0.5	0.0	0.0	0.16	0.01	0.05	5.6	1.91
Difference Maximum	-2	-2	-2	-2	0	0	0.7	-0.8	0.0	0.0	-0.19	-0.01	-0.08	-8.7	-2.92
Std Dev Difference	*4*	*6*	*4*	*6*	*0*	*0*	*4.5*	*3.7*	*0.0*	*0.0*	*0.36*	*0.02*	*0.16*	*14.6*	*4.97*
% Difference	-1%	-2%	-4%	-22%	N/D	N/D	0.7%	2.3%	N/D	N/D	6.50%	7.50%	2.80%	1.6%	1.68%
to Sawmill Creek Road (#4)															
Average Before (n=11)	38	116	5	-3	5	5	43.4	47.0	0.4	0.4	1.04	0.05	0.60	91.4	31.32
Minimum Before (n=11)	26	102	-7	-18	0	0	24.6	36.8	0.0	0.0	0.70	0.04	0.40	70.1	24.18
85th Percentile Before (n=11)	58	141	24	21	15	15	54.2	52.6	1.0	1.0	1.28	0.06	0.76	101.5	34.66
Maximum Before (n=11)	62	147	28	27	23	23	57.2	52.9	1.0	1.0	1.32	0.06	0.77	110.1	37.91
Std Dev Before (n=11)	*13*	*15*	*13*	*15*	*8*	*8*	*12.8*	*5.6*	*0.5*	*0.5*	*0.19*	*0.01*	*0.13*	*10.5*	*3.59*
Average After (n=10)	29	105	-4	-15	0	0	52.2	51.3	0.0	0.0	1.39	0.06	0.73	97.1	33.26
Minimum After (n=10)	26	99	-7	-21	0	0	45.2	47.8	0.0	0.0	0.82	0.04	0.46	72.5	24.97
85th Percentile After (n=10)	30	111	-3	-9	0	0	55.7	53.0	0.0	0.0	1.42	0.07	0.82	108.5	37.03
Maximum After (n=10)	33	113	0	-7	0	0	58.1	54.5	0.0	0.0	4.09	0.14	1.40	158.0	54.69
Std Dev After (n=10)	*2*	*5*	*2*	*5*	*0*	*0*	*3.5*	*2.2*	*0.0*	*0.0*	*0.97*	*0.03*	*0.26*	*23.7*	*8.26*
Difference	-9	-11	-9	-11	-5	-5	8.8	4.3	-0.4	-0.4	0.35	0.01	0.13	5.6	1.94

Difference Minimum	0	-3	0	-3	0	0	20.7	11.0	0.0	0.0	0.12	0.00	0.06	2.4	0.79
Difference 85th Percentile	-27	-30	-27	-30	-15	-15	1.5	0.4	-1.0	-1.0	0.14	0.01	0.06	7.0	2.37
Difference Maximum	-29	-34	-29	-34	-23	-23	0.9	1.6	-1.0	-1.0	2.77	0.08	0.62	47.9	16.78
Std Dev Difference	14	16	14	16	8	8	13.2	6.0	0.5	0.5	0.99	0.03	0.29	25.9	9.01
% Difference	-24%	-10%	-191%	-322%	-100%	-100%	20.3%	9.2%	-100.0%	-100.0%	33.91%	21.39%	21.06%	6.2%	6.18%
to Trimblestone Road (#5)															
Average Before (n=11)	68	184	14	10	15	21	40.0	43.9	0.5	0.8	3.53	0.11	1.17	161.6	56.14
Minimum Before (n=11)	45	148	-9	-27	0	0	21.4	33.6	0.0	0.0	1.09	0.05	0.69	109.3	37.40
85th Percentile Before (n=11)	94	232	39	57	37	46	52.9	52.9	1.0	2.0	3.15	0.15	1.63	218.3	77.16
Maximum Before (n=11)	114	233	60	59	61	69	54.2	53.1	1.0	2.0	19.72	0.29	2.09	224.6	82.98
Std Dev Before (n=11)	24	35	24	35	21	25	12.4	7.9	0.5	1.0	5.42	0.07	0.45	46.1	16.98
Average After (n=10)	54	159	0	-15	2	2	46.5	49.5	0.2	0.2	1.54	0.07	0.92	136.5	46.74
Minimum After (n=10)	44	143	-10	-31	0	0	33.3	42.6	0.0	0.0	0.98	0.05	0.63	105.3	36.20
85th Percentile After (n=10)	64	176	10	1	5	5	52.8	52.8	1.0	1.0	1.74	0.09	1.07	145.5	49.71
Maximum After (n=10)	74	184	19	10	20	20	55.1	54.7	1.0	1.0	2.41	0.11	1.37	180.4	61.61
Std Dev After (n=10)	10	13	10	13	6	6	7.3	3.8	0.4	0.4	0.40	0.02	0.20	20.0	6.80
Difference	-14	-25	-14	-25	-13	-18	6.5	5.6	-0.3	-0.6	-2.00	-0.04	-0.25	-25.1	-9.40
Difference Minimum	-1	-4	-1	-4	0	0	11.9	8.9	0.0	0.0	-0.11	0.00	-0.06	-4.0	-1.20
Difference 85th Percentile	-30	-56	-30	-56	-32	-41	-0.1	-0.1	0.0	-1.0	-1.41	-0.07	-0.56	-72.7	-27.44
Difference Maximum	-41	-49	-41	-49	-41	-49	0.9	1.6	0.0	-1.0	-17.32	-0.19	-0.72	-44.2	-21.37
Std Dev Difference	26	37	26	37	21	26	14.4	8.8	0.7	1.1	5.44	0.07	0.50	50.3	18.29
% Difference	-20%	-14%	-102%	-247%	-84%	-88%	16.2%	12.7%	-56.0%	-75.6%	-56.48%	-33.72%	-21.06%	-15.6%	-16.74%
to Home Depot (#6)															
Average Before (n=11)	35	220	1	11	0	21	44.4	43.9	0.0	0.8	1.50	0.07	0.85	114.7	39.20
Minimum Before (n=11)	30	178	-4	-31	0	0	34.7	34.8	0.0	0.0	0.91	0.04	0.56	82.0	28.04
85th Percentile Before (n=11)	36	266	2	58	0	46	49.8	51.9	0.0	2.0	2.15	0.10	1.11	141.0	48.13
Maximum Before (n=11)	45	270	10	61	0	69	51.2	52.8	0.0	2.0	2.24	0.10	1.18	149.4	51.00
Std Dev Before (n=11)	4	37	4	37	0	25	4.3	7.2	0.0	1.0	0.51	0.02	0.22	23.9	8.14
Average After (n=10)	37	197	3	-12	3	6	43.7	48.1	0.2	0.4	1.33	0.06	0.72	101.4	34.72
Minimum After (n=10)	29	173	-5	-36	0	0	26.6	43.2	0.0	0.0	0.54	0.03	0.34	59.6	20.43
85th Percentile After (n=10)	52	215	17	6	11	20	51.2	51.9	1.0	1.0	2.32	0.11	1.14	141.8	48.40
Maximum After (n=10)	58	217	24	8	20	20	52.8	54.4	1.0	1.0	3.11	0.15	1.40	166.6	56.88
Std Dev After	10	15	10	15	7	8	8.8	3.7	0.4	0.5	0.81	0.04	0.33	33.1	11.25

(n=10)														
Difference	2	-23	2	-23	3	-15	-0.6	4.2	0.2	-0.4	-0.17	-0.01	-0.13	-13.2	-4.48
Difference Minimum	-1	-5	-1	-5	0	0	-8.0	8.4	0.0	0.0	-0.37	-0.02	-0.22	-22.4	-7.61
Difference 85th Percentile	15	-52	15	-52	11	-26	1.3	0.0	1.0	-1.0	0.17	0.01	0.03	0.8	0.27
Difference Maximum	14	-52	14	-52	20	-49	1.6	1.6	1.0	-1.0	0.86	0.05	0.22	17.3	5.88
Std Dev Difference	*10*	*40*	*10*	*40*	*7*	*27*	*9.8*	*8.1*	*0.4*	*1.1*	*0.96*	*0.04*	*0.40*	*40.8*	*13.89*
% Difference	6%	-11%	345%	-216%	N/D	-73%	-1.4%	9.5%	N/D	-51.1%	-11.41%	-8.46%	-15.51%	-11.5%	-11.42%
to Crescent Drive (#7)															
Average Before (n=11)	42	262	8	19	5	26	39.3	42.6	0.3	1.1	1.01	0.05	0.60	93.2	31.92
Minimum Before (n=11)	30	220	-4	-23	0	0	23.5	34.2	0.0	0.0	0.78	0.04	0.44	85.0	29.08
85th Percentile Before (n=11)	60	314	26	71	18	64	50.4	49.1	1.0	3.0	1.13	0.05	0.63	101.5	34.80
Maximum Before (n=11)	65	321	31	77	22	69	51.2	49.7	1.0	3.0	1.68	0.08	0.93	135.9	46.56
Std Dev Before (n=11)	*13*	*40*	*13*	*40*	*9*	*28*	*10.7*	*6.1*	*0.5*	*1.2*	*0.24*	*0.01*	*0.12*	*15.0*	*5.15*
Average After (n=10)	47	243	13	0	10	16	37.4	45.5	0.4	0.8	1.44	0.07	0.78	111.8	38.28
Minimum After (n=10)	30	203	-4	-40	0	0	18.3	38.5	0.0	0.0	0.83	0.04	0.57	84.6	28.91
85th Percentile After (n=10)	72	272	37	29	26	37	47.5	51.2	1.0	2.0	2.08	0.09	1.10	138.3	47.22
Maximum After (n=10)	84	284	50	41	37	41	51.5	53.9	1.0	2.0	2.40	0.11	1.18	146.1	49.88
Std Dev After (n=10)	*19*	*27*	*19*	*27*	*14*	*16*	*12.5*	*5.1*	*0.5*	*0.8*	*0.46*	*0.02*	*0.22*	*19.4*	*6.60*
Difference	4	-19	4	-19	5	-10	-1.9	2.9	0.1	-0.3	0.43	0.02	0.18	18.6	6.36
Difference Minimum	0	-17	0	-17	0	0	-5.1	4.3	0.0	0.0	0.05	0.00	0.13	-0.3	-0.16
Difference 85th Percentile	11	-42	11	-42	8	-27	-2.9	2.1	0.0	-1.0	0.95	0.04	0.47	36.9	12.42
Difference Maximum	18	-37	18	-37	15	-27	0.3	4.2	0.0	-1.0	0.72	0.03	0.25	10.2	3.32
Std Dev Difference	*23*	*48*	*23*	*48*	*16*	*32*	*16.4*	*8.0*	*0.7*	*1.5*	*0.52*	*0.02*	*0.25*	*24.6*	*8.38*
% Difference	10%	-7%	53%	-100%	106%	-38%	-4.7%	6.8%	46.7%	-26.7%	42.66%	42.53%	30.48%	20.0%	19.93%
to Belfair Towne Village (#8)															
Average Before (n=11)	53	315	-4	14	0	26	48.9	43.5	0.0	1.1	2.05	0.09	1.21	166.4	56.87
Minimum Before (n=11)	49	272	-9	-29	0	0	44.9	35.9	0.0	0.0	1.50	0.07	1.00	143.3	49.05
85th Percentile Before (n=11)	57	369	-1	68	0	64	51.3	49.5	0.0	3.0	2.49	0.12	1.40	188.0	64.29
Maximum Before (n=11)	58	377	0	76	0	69	52.9	49.8	0.0	3.0	2.73	0.13	1.42	189.4	64.68
Std Dev Before (n=11)	*3*	*41*	*3*	*41*	*0*	*28*	*2.6*	*5.4*	*0.0*	*1.2*	*0.44*	*0.02*	*0.18*	*18.7*	*6.38*
Average After (n=10)	73	316	15	15	11	27	37.6	43.5	0.5	1.3	2.25	0.11	1.20	173.9	59.59
Minimum After (n=10)	54	261	-4	-40	0	0	24.3	35.7	0.0	0.0	1.33	0.06	0.83	132.9	45.60
85th Percentile After (n=10)	105	367	47	66	42	66	44.4	49.3	1.0	3.0	2.86	0.13	1.45	205.4	70.32
Maximum After	107	380	49	79	48	89	48.1	51.8	1.0	3.0	3.61	0.17	1.67	225.8	77.37

(n=10)															
Std Dev After (n=10)	*19*	*43*	*19*	*43*	*18*	*31*	*8.0*	*5.7*	*0.5*	*1.3*	*0.69*	*0.03*	*0.25*	*30.1*	*10.28*
Difference	20	1	20	1	11	1	-11.3	0.0	0.5	0.2	0.20	0.01	-0.01	7.5	2.72
Difference Minimum	5	-10	5	-10	0	0	-20.6	-0.3	0.0	0.0	-0.17	0.00	-0.16	-10.5	-3.45
Difference 85th Percentile	47	-2	47	-2	42	2	-6.9	-0.2	1.0	0.0	0.37	0.02	0.05	17.4	6.03
Difference Maximum	49	2	49	2	48	21	-4.8	2.0	1.0	0.0	0.87	0.05	0.24	36.4	12.70
Std Dev Difference	*19*	*59*	*19*	*59*	*18*	*42*	*8.4*	*7.9*	*0.5*	*1.7*	*0.82*	*0.04*	*0.31*	*35.4*	*12.10*
% Difference	36%	0%	442%	5%	N/D	5%	-23.2%	-0.1%	N/D	19.2%	9.89%	14.12%	-1.02%	4.5%	4.79%
to Belfair Plantation (#9)															
Average Before (n=11)	65	380	1	15	0	26	54.3	45.3	0.0	1.1	2.75	0.13	1.64	219.3	74.94
Minimum Before (n=11)	62	337	-2	-28	0	0	50.4	38.6	0.0	0.0	2.32	0.11	1.46	203.0	69.38
85th Percentile Before (n=11)	67	431	3	66	0	64	56.4	50.4	0.0	3.0	3.06	0.14	1.79	232.1	79.25
Maximum Before (n=11)	70	442	6	77	0	69	56.9	50.6	0.0	3.0	3.14	0.14	1.79	232.3	79.33
Std Dev Before (n=11)	*2*	*40*	*2*	*40*	*0*	*28*	*2.0*	*4.6*	*0.0*	*1.2*	*0.26*	*0.01*	*0.11*	*9.7*	*3.28*
Average After (n=10)	84	401	20	36	5	32	41.8	43.1	0.5	1.8	3.57	0.17	1.86	255.7	87.53
Minimum After (n=10)	75	344	11	-21	0	0	36.2	36.1	0.0	0.0	2.83	0.13	1.56	217.6	74.50
85th Percentile After (n=10)	93	454	29	89	15	66	46.9	48.8	1.0	3.0	4.10	0.19	2.04	283.7	97.12
Maximum After (n=10)	97	472	33	108	17	104	47.1	49.5	1.0	4.0	4.20	0.20	2.13	289.3	99.03
Std Dev After (n=10)	*8*	*47*	*8*	*47*	*6*	*35*	*3.8*	*5.0*	*0.5*	*1.5*	*0.45*	*0.02*	*0.17*	*22.2*	*7.57*
Difference	20	21	20	21	5	7	-12.5	-2.2	0.5	0.7	0.82	0.04	0.22	36.3	12.59
Difference Minimum	13	7	13	7	0	0	-14.3	-2.5	0.0	0.0	0.51	0.03	0.10	14.5	5.12
Difference 85th Percentile	26	23	26	23	15	2	-9.4	-1.6	1.0	0.0	1.04	0.06	0.25	51.7	17.87
Difference Maximum	28	30	28	30	17	35	-9.9	-1.1	1.0	1.0	1.06	0.05	0.34	57.0	19.70
Std Dev Difference	*8*	*62*	*8*	*62*	*6*	*45*	*4.3*	*6.8*	*0.5*	*1.9*	*0.53*	*0.02*	*0.20*	*24.2*	*8.25*
% Difference	31%	5%	2974%	135%	N/D	25%	-23.0%	-4.9%	N/D	65.0%	29.75%	33.49%	13.68%	16.6%	16.80%
to Rose Hill Way (#10)															
Average Before (n=11)	52	432	6	21	1	26	50.4	45.8	0.1	1.2	1.89	0.09	1.09	152.4	52.14
Minimum Before (n=11)	42	379	-4	-32	0	0	38.9	40.0	0.0	0.0	1.48	0.07	0.89	136.8	46.79
85th Percentile Before (n=11)	64	487	18	76	0	64	58.3	51.2	0.0	3.0	2.18	0.10	1.26	163.8	55.96
Maximum Before (n=11)	66	490	20	79	7	75	60.7	51.7	1.0	3.0	2.52	0.12	1.33	169.2	57.79
Std Dev Before (n=11)	*9*	*44*	*9*	*44*	*2*	*29*	*8.0*	*4.7*	*0.3*	*1.3*	*0.29*	*0.01*	*0.12*	*10.0*	*3.40*
Average After (n=10)	50	451	4	40	0	32	51.0	43.9	0.0	1.8	7.92	0.17	1.61	192.9	68.46
Minimum After (n=10)	46	396	0	-15	0	0	46.5	37.4	0.0	0.0	1.62	0.08	0.97	142.7	48.88
85th Percentile After	52	506	6	95	0	66	54.3	49.0	0.0	3.0	3.32	0.15	1.76	220.2	75.13

(n=10)															
Maximum After (n=10)	55	523	9	112	0	104	55.6	49.4	0.0	4.0	54.86	0.57	3.09	238.2	106.81
Std Dev After (n=10)	3	47	3	47	0	35	2.8	4.5	0.0	1.5	16.50	0.14	0.57	29.0	15.77
Difference	-2	19	-2	19	-1	6	0.5	-1.9	-0.1	0.6	6.03	0.08	0.52	40.5	16.32
Difference Minimum	4	17	4	17	0	0	7.7	-2.6	0.0	0.0	0.14	0.01	0.08	5.8	2.09
Difference 85th Percentile	-12	19	-12	19	0	2	-4.0	-2.2	0.0	0.0	1.13	0.05	0.50	56.4	19.17
Difference Maximum	-11	33	-11	33	-7	29	-5.2	-2.3	-1.0	1.0	52.33	0.45	1.76	69.0	49.02
Std Dev Difference	9	65	9	65	2	45	8.5	6.5	0.3	2.0	16.50	0.14	0.59	30.6	16.14
% Difference	-3%	4%	-29%	90%	-100%	22%	1.0%	-4.2%	-100.0%	52.3%	319.58%	92.43%	47.71%	26.6%	31.31%

to Bluffton Fire (#14)

Average Before (n=11)	78	509	1	22	0	26	54.8	47.1	0.0	1.2	3.48	0.16	2.05	271.2	92.67
Minimum Before (n=11)	70	449	-7	-39	0	0	51.6	41.7	0.0	0.0	2.64	0.12	1.72	241.5	82.51
85th Percentile Before (n=11)	81	569	5	82	0	64	57.6	52.1	0.0	3.0	3.93	0.18	2.22	290.4	99.28
Maximum Before (n=11)	82	572	5	84	0	75	61.0	53.1	0.0	3.0	3.98	0.19	2.25	295.2	100.81
Std Dev Before (n=11)	4	47	4	47	0	29	3.0	4.3	0.0	1.3	0.42	0.02	0.17	16.0	5.47
Average After (n=10)	75	526	-2	38	0	32	56.7	45.7	0.0	1.8	3.59	0.17	2.05	269.1	91.99
Minimum After (n=10)	69	473	-8	-15	0	0	51.8	40.2	0.0	0.0	3.20	0.15	1.86	253.2	86.64
85th Percentile After (n=10)	79	585	2	97	0	66	59.1	50.3	0.0	3.0	3.90	0.19	2.18	277.4	94.81
Maximum After (n=10)	82	593	5	105	0	104	61.2	50.4	0.0	4.0	3.97	0.19	2.20	283.2	96.73
Std Dev After (n=10)	4	46	4	46	0	35	2.7	4.0	0.0	1.5	0.30	0.01	0.11	9.1	3.09
Difference	-3	16	-3	16	0	6	1.9	-1.5	0.0	0.6	0.11	0.01	0.00	-2.1	-0.68
Difference Minimum	0	24	0	24	0	0	0.2	-1.5	0.0	0.0	0.55	0.03	0.14	11.7	4.13
Difference 85th Percentile	-3	15	-3	15	0	2	1.4	-1.8	0.0	0.0	-0.03	0.01	-0.04	-13.0	-4.47
Difference Maximum	0	21	0	21	0	29	0.3	-2.7	0.0	1.0	-0.01	0.00	-0.05	-12.0	-4.08
Std Dev Difference	6	66	6	66	0	45	4.1	5.9	0.0	2.0	0.52	0.02	0.20	18.5	6.28
% Difference	-3%	3%	-407%	75%	N/D	22%	3.6%	-3.2%	N/D	52.3%	3.18%	5.20%	0.15%	-0.8%	-0.73%

to Berkeley Hall (#12)

Average Before (n=11)	33	542	0	22	0	26	54.7	47.6	0.0	1.2	1.20	0.06	0.73	100.8	34.47
Minimum Before (n=11)	31	479	-1	-41	0	0	50.3	42.3	0.0	0.0	0.85	0.04	0.58	87.8	30.01
85th Percentile Before (n=11)	34	605	2	85	0	64	57.5	52.2	0.0	3.0	1.43	0.07	0.84	110.3	37.71
Maximum Before (n=11)	35	605	3	85	0	75	57.7	53.4	0.0	3.0	1.52	0.07	0.84	110.6	37.80
Std Dev Before (n=11)	1	48	1	48	0	29	2.4	4.2	0.0	1.3	0.18	0.01	0.08	7.2	2.46
Average After (n=10)	67	592	35	72	27	59	35.3	43.6	0.6	2.4	1.32	0.06	0.72	112.3	38.53
Minimum After (n=10)	29	504	-3	-16	0	0	16.7	37.6	0.0	0.0	1.05	0.05	0.59	102.1	35.15

85th Percentile After (n=10)	104	664	72	144	53	104	60.0	48.1	1.0	4.0	1.40	0.07	0.82	121.7	41.59
Maximum After (n=10)	106	681	74	161	69	135	61.1	50.8	1.0	4.0	1.90	0.09	0.97	124.3	42.78
Std Dev After (n=10)	32	55	32	55	25	41	20.2	4.1	0.5	1.4	0.23	0.01	0.11	8.3	2.88
Difference	34	50	34	50	27	33	-19.4	-4.0	0.6	1.2	0.11	0.01	-0.01	11.4	4.06
Difference Minimum	-2	25	-2	25	0	0	-33.5	-4.7	0.0	0.0	0.19	0.01	0.02	14.3	5.14
Difference 85th Percentile	70	59	70	59	53	40	2.5	-4.0	1.0	1.0	-0.02	0.00	-0.02	11.4	3.87
Difference Maximum	71	76	71	76	69	59	3.4	-2.7	1.0	1.0	0.39	0.02	0.13	13.7	4.98
Std Dev Difference	32	73	32	73	25	50	20.3	5.8	0.5	2.0	0.29	0.01	0.14	11.0	3.79
% Difference	105%	9%	8782%	229%	N/D	125%	-35.4%	-8.4%	N/D	103.1%	9.52%	16.56%	-1.29%	11.3%	11.78%
to Hampton Parkway (#13)															
Average Before (n=11)	60	602	1	23	0	26	54.3	48.2	0.0	1.2	2.31	0.11	1.40	191.0	65.26
Minimum Before (n=11)	56	537	-3	-42	0	0	51.6	43.2	0.0	0.0	1.97	0.09	1.21	170.2	58.21
85th Percentile Before (n=11)	62	665	4	87	0	64	56.6	52.4	0.0	3.0	2.52	0.12	1.48	197.3	67.42
Maximum Before (n=11)	63	667	4	88	0	75	57.9	53.8	0.0	3.0	3.07	0.14	1.68	216.6	73.98
Std Dev Before (n=11)	2	49	2	49	0	29	1.9	3.9	0.0	1.3	0.31	0.01	0.12	11.5	3.92
Average After (n=10)	64	657	6	78	0	59	51.1	44.3	0.0	2.4	3.12	0.15	1.67	220.9	75.55
Minimum After (n=10)	54	561	-5	-18	0	0	40.4	38.5	0.0	0.0	2.36	0.11	1.40	187.8	64.25
85th Percentile After (n=10)	72	744	14	166	0	104	59.2	49.3	0.0	4.0	3.60	0.17	1.83	242.6	83.03
Maximum After (n=10)	80	748	22	170	0	135	60.3	51.4	0.0	4.0	3.72	0.18	1.85	244.8	83.82
Std Dev After (n=10)	9	61	9	61	0	41	6.9	4.1	0.0	1.4	0.46	0.02	0.15	19.0	6.50
Difference	5	55	5	55	0	33	-3.2	-4.0	0.0	1.2	0.80	0.04	0.27	29.9	10.29
Difference Minimum	-2	24	-2	24	0	0	-11.2	-4.7	0.0	0.0	0.39	0.02	0.19	17.6	6.04
Difference 85th Percentile	10	79	10	79	0	40	2.6	-3.2	0.0	1.0	1.08	0.05	0.35	45.3	15.62
Difference Maximum	17	82	17	82	0	59	2.4	-2.4	0.0	1.0	0.65	0.04	0.16	28.2	9.84
Std Dev Difference	9	78	9	78	0	50	7.2	5.7	0.0	2.0	0.55	0.03	0.19	22.2	7.59
% Difference	8%	9%	425%	238%	N/D	125%	-5.9%	-8.2%	N/D	103.1%	34.78%	38.60%	18.95%	15.7%	15.77%

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:51:52 PM

Travel Time & Delay Report for US 278

Legend:

CTT:

Summarized Cumulative Travel Time since beginning of Run (seconds)

CD:

Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

CStopD:

Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CAS:

Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

CStops:

Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

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Cumulative Summary of runs Eastbound from Hampton Parkway (#13)

8 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 11:25:09 AM to 12:56:25 PM

8 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 11:34:06 AM to 1:17:02 PM

	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)					
Average Before (n=8)	757	164	112	38.2	3.1
Minimum Before (n=8)	697	105	65	35.2	2.0
85th Percentile Before (n=8)	809	216	156	41.0	4.0
Maximum Before (n=8)	817	224	191	41.3	4.0
Std Dev Before (n=8)	*49*	*49*	*44*	*2.5*	*0.8*
Average After (n=8)	691	98	62	42.0	1.9
Minimum After (n=8)	621	28	0	36.5	0.0
85th Percentile After (n=8)	737	145	110	46.0	3.0
Maximum After (n=8)	789	196	120	46.4	3.0
Std Dev After (n=8)	*61*	*61*	*49*	*3.7*	*1.2*
Difference	-67	-67	-50	3.8	-1.3
Difference Minimum	-76	-76	-65	1.2	-2.0
Difference 85th Percentile	-72	-72	-47	5.0	-1.0
Difference Maximum	-28	-28	-71	5.1	-1.0
Std Dev Difference	*78*	*78*	*66*	*4.4*	*1.5*
% Difference	-9%	-40%	-44%	10.0%	-40.0%

Cumulative Summary of runs Westbound from Moss Creek (#1)

10 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 11:09:11 AM to 1:11:03 PM
8 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 11:18:02 AM to 1:00:55 PM

	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)					
Average Before (n=10)	723	144	96	40.1	2.6
Minimum Before (n=10)	670	91	36	33.9	2.0
85th Percentile Before (n=10)	758	179	106	42.9	4.0
Maximum Before (n=10)	850	272	218	43.1	4.0
Std Dev Before (n=10)	*53*	*53*	*49*	*2.7*	*0.8*
Average After (n=8)	756	178	116	38.3	4.4
Minimum After (n=8)	715	137	60	34.4	3.0
85th Percentile After (n=8)	782	203	153	40.3	5.0
Maximum After (n=8)	840	261	213	40.3	6.0
Std Dev After (n=8)	*42*	*42*	*52*	*2.0*	*0.9*
Difference	33	33	21	-1.8	1.8
Difference Minimum	45	45	24	0.4	1.0
Difference 85th Percentile	24	24	47	-2.6	1.0
Difference Maximum	-11	-11	-5	-2.7	2.0
Std Dev Difference	*68*	*68*	*71*	*3.4*	*1.2*
% Difference	5%	23%	22%	-4.6%	68.3%

Cumulative Summary of all runs, either direction through artery

18 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 11:19:19 AM to 1:21:23 PM
16 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 11:29:49 AM to 1:26:46 PM

	CTT	CD	CStopD	CAS	CStops
to End of Artery					
Average Before (n=18)	738	153	103	39.2	2.8
Minimum Before (n=18)	670	91	36	33.9	2.0
85th Percentile Before (n=18)	758	179	106	42.9	4.0
Maximum Before (n=18)	850	272	218	43.1	4.0
Std Dev Before (n=18)	*53*	*51*	*46*	*2.7*	*0.9*
Average After (n=16)	723	138	89	40.1	3.1

Minimum After (n=16)	715	137	60	34.4	3.0
85th Percentile After (n=16)	782	203	153	40.3	5.0
Maximum After (n=16)	840	261	213	40.3	6.0
Std Dev After (n=16)	*61*	*65*	*56*	*3.5*	*1.7*
Difference	-15	-16	-14	0.9	0.3
Difference Minimum	45	45	24	0.4	1.0
Difference 85th Percentile	24	24	47	-2.6	1.0
Difference Maximum	-11	-11	-5	-2.7	2.0
Std Dev Difference	*81*	*83*	*73*	*4.4*	*1.9*
% Difference	-2%	-10%	-13%	2.2%	10.3%

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:51:52 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Travel Time from previous Node (seconds)

CTT:
Cumulative Travel Time since beginning of Run (seconds)

Delay:
Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Contents:

[-] Collapse All

[-] After-type Trip Log "Trip #15", Midday-period, started Tuesday 6/5/2018 11:16:41 AM ↑Contents

Entered artery 11:34:06 am (1045 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	131	131	72	72	62	62	24.6	24.6	1	1	2.44	0.12	1.36	208.4	71.51
to Bluffton Fire (#14)	39	170	7	80	0	62	45.1	29.4	0	1	2.59	0.12	1.38	172.1	58.81
to Rose Hill Way (#10)	72	243	-4	75	0	62	58.2	38.0	0	1	3.68	0.18	2.11	273.4	93.52
to Belfair Plantation (#9)	74	317	28	103	19	80	34.1	37.1	1	2	2.12	0.10	1.12	163.2	55.94
to Belfair Towne Village (#8)	72	389	-6	97	0	80	48.6	39.2	0	2	3.28	0.16	1.68	228.4	78.09
to Crescent Drive (#7)	51	440	-7	90	0	80	50.7	40.6	0	2	2.06	0.09	1.26	170.6	58.24
to Home Depot (#6)	31	471	-3	87	0	80	49.8	41.2	0	2	0.57	0.03	0.37	62.4	21.37
to Trimblestone Road (#5)	40	511	5	92	0	80	39.7	41.1	0	2	0.82	0.04	0.50	81.7	28.04
to Sawmill Creek Road (#4)	53	563	-2	90	0	80	46.4	41.6	0	2	1.86	0.08	1.11	155.9	53.30
to Colleton River Road (#3)	31	594	-3	88	0	80	48.7	41.9	0	2	0.92	0.04	0.61	86.9	29.69
to Tanger Outlet #2 (#2)	65	659	15	102	10	90	34.7	41.2	1	3	1.83	0.09	1.01	153.4	52.54
to Moss Creek (#1)	38	697	1	104	0	90	43.4	41.3	0	3	1.48	0.07	0.89	121.0	41.36

Entered artery 12:05:42 pm (2941 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	84	84	25	25	6	6	38.4	38.4	1	1	3.78	0.23	1.97	259.7	91.19
to Bluffton Fire (#14)	36	120	4	29	0	6	49.3	41.6	0	1	1.72	0.09	0.99	129.3	44.37
to Rose Hill Way (#10)	76	196	-1	28	0	6	55.6	47.1	0	1	3.27	0.15	1.93	258.2	88.28
to Belfair Plantation (#9)	61	257	15	43	0	6	41.5	45.7	0	1	2.57	0.12	1.33	182.8	62.63
to Belfair Towne Village (#8)	87	343	9	52	0	6	40.6	44.4	0	1	2.85	0.13	1.54	225.5	77.20
to Crescent Drive (#7)	57	400	-1	50	0	6	45.8	44.6	0	1	1.76	0.08	1.06	153.8	52.57
to Home Depot (#6)	36	436	2	52	0	6	42.6	44.5	0	1	1.24	0.06	0.70	99.4	34.15
to Trimblestone Road (#5)	32	469	-2	50	0	6	48.4	44.7	0	1	1.08	0.05	0.68	95.4	32.60
to Sawmill Creek Road (#4)	46	514	-9	41	0	6	53.6	45.5	0	1	2.06	0.09	1.21	160.5	54.82
to Colleton River Road (#3)	118	633	85	126	79	85	12.7	39.4	1	2	0.69	0.04	0.32	79.4	27.45
to Tanger Outlet #2 (#2)	66	699	16	142	13	98	34.1	38.9	1	3	2.91	0.14	1.42	195.3	66.89
to Moss Creek (#1)	39	737	2	145	0	98	42.4	39.1	0	3	1.93	0.09	1.04	137.6	47.03

Entered artery 12:42:30 pm (5149 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	64	64	6	6	0	0	50.1	50.1	0	0	8.02	0.22	2.30	266.6	93.30
to Bluffton Fire (#14)	31	96	-1	5	0	0	56.5	52.2	0	0	1.39	0.08	0.84	110.0	37.80
to Rose Hill Way (#10)	76	172	-1	4	0	0	55.4	53.6	0	0	3.12	0.14	1.88	253.3	86.53
to Belfair Plantation (#9)	67	239	21	25	14	14	37.7	49.2	1	1	1.90	0.09	1.06	159.9	54.82
to Belfair Towne Village (#8)	77	316	-1	24	0	14	45.6	48.3	0	1	3.02	0.14	1.65	230.0	78.68
to Crescent Drive (#7)	77	393	19	43	11	25	33.8	45.5	1	2	2.22	0.10	1.29	191.2	65.52
to Home Depot (#6)	40	433	6	49	0	25	38.2	44.8	0	2	1.35	0.06	0.72	105.4	36.12
to Trimblestone Road (#5)	35	468	0	49	0	25	45.3	44.8	0	2	1.09	0.05	0.69	98.9	33.79
to Sawmill Creek Road (#4)	49	517	-5	44	0	25	49.6	45.3	0	2	1.64	0.07	1.01	142.9	48.86
to Colleton River Road (#3)	121	638	88	132	84	110	12.4	39.0	1	3	1.17	0.06	0.64	111.1	38.26
to Tanger Outlet #2 (#2)	54	693	5	137	0	110	41.2	39.2	0	3	2.59	0.12	1.34	179.2	61.38
to Moss Creek (#1)	41	734	5	141	0	110	39.9	39.2	0	3	1.36	0.06	0.76	110.1	37.74

Entered artery 1:11:49 pm (6908 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	129	129	70	70	61	61	25.0	25.0	1	1	2.17	0.11	1.18	201.2	68.98
to Bluffton Fire (#14)	37	165	4	75	0	61	48.5	30.2	0	1	2.45	0.13	1.23	154.1	52.85
to Rose Hill Way (#10)	80	245	3	78	0	61	52.7	37.5	0	1	2.77	0.13	1.66	233.4	79.86
to Belfair Plantation (#9)	61	307	15	93	0	61	41.1	38.2	0	1	2.09	0.10	1.15	165.4	56.71
to Belfair Towne Village (#8)	76	383	-2	91	0	61	46.3	39.8	0	1	3.04	0.14	1.62	224.9	76.97
to Crescent Drive (#7)	63	446	5	96	0	61	41.0	40.0	0	1	1.59	0.07	0.92	144.0	49.34
to Home Depot (#6)	36	482	2	98	0	61	43.0	40.2	0	1	1.84	0.08	0.99	129.4	44.19
to															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Trimblestone Road (#5)	33	515	-2	96	0	61	47.7	40.7	0	1	0.81	0.04	0.51	78.2	26.80
to Sawmill Creek Road (#4)	52	566	-3	94	0	61	47.3	41.3	0	1	1.57	0.07	0.96	138.9	47.58
to Colleton River Road (#3)	31	598	-2	92	0	61	47.6	41.6	0	1	0.99	0.05	0.61	87.2	29.82
to Tanger Outlet #2 (#2)	46	644	-3	88	0	61	48.3	42.1	0	1	1.14	0.05	0.71	109.5	37.47
to Moss Creek (#1)	42	687	6	94	0	61	38.7	41.9	0	1	1.48	0.07	0.82	116.3	39.95

[-] After-type Trip Log "Trip #18", Midday-period, started Wednesday 6/6/2018 11:18:14 AM ↑Contents

Entered artery 11:36:26 am (1093 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	123	123	64	64	41	41	26.2	26.2	1	1	4.63	0.18	1.71	241.8	83.80
to Bluffton Fire (#14)	40	163	8	72	0	41	44.5	30.7	0	1	1.62	0.09	0.97	130.9	44.94
to Rose Hill Way (#10)	88	251	11	83	0	41	48.0	36.8	0	1	2.81	0.14	1.62	234.2	80.35
to Belfair Plantation (#9)	63	314	17	100	0	41	40.0	37.4	0	1	2.24	0.11	1.23	175.1	59.98
to Belfair Towne Village (#8)	87	401	9	109	0	41	40.4	38.1	0	1	2.42	0.11	1.41	212.4	72.82
to Crescent Drive (#7)	60	460	2	111	0	41	43.6	38.8	0	1	2.41	0.11	1.27	177.3	60.60
to Home Depot (#6)	33	493	-1	109	0	41	46.7	39.3	0	1	0.65	0.03	0.40	67.3	23.06
to Trimblestone Road (#5)	34	527	-1	109	0	41	46.6	39.8	0	1	1.10	0.05	0.64	92.3	31.61
to Sawmill Creek Road (#4)	51	578	-4	105	0	41	48.1	40.5	0	1	1.93	0.09	1.11	154.2	52.73
to Colleton River Road (#3)	104	681	70	175	66	106	14.5	36.5	1	2	0.77	0.04	0.41	85.5	29.44
to Tanger Outlet #2 (#2)	69	751	19	194	13	120	32.4	36.2	1	3	2.53	0.12	1.30	185.7	63.61
to Moss Creek (#1)	38	789	2	196	0	120	42.8	36.5	0	3	2.01	0.09	1.05	137.7	47.04

Entered artery 12:10:00 pm (3107 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	72	72	13	13	0	0	44.9	44.9	0	0	5.11	0.17	1.72	216.5	75.35
to Bluffton Fire (#14)	36	107	3	17	0	0	50.0	46.6	0	0	35.84	0.44	2.67	199.6	84.90
to Rose Hill Way (#10)	76	183	-1	16	0	0	55.6	50.4	0	0	2.85	0.14	1.69	233.4	79.85
to Belfair Plantation (#9)	65	248	19	34	9	9	39.0	47.4	1	1	2.53	0.12	1.34	186.8	64.01
to Belfair Towne Village (#8)	76	324	-2	32	0	9	46.5	47.2	0	1	3.24	0.15	1.78	241.4	82.60
to Crescent Drive (#7)	63	387	6	37	0	9	41.0	46.2	0	1	1.97	0.09	1.11	163.1	55.89
to Home Depot (#6)	37	424	3	40	0	9	41.4	45.8	0	1	1.14	0.05	0.70	101.8	34.79
to Trimblestone Road (#5)	32	456	-2	38	0	9	48.5	46.0	0	1	1.18	0.05	0.74	101.4	34.63
to Sawmill Creek Road (#4)	48	504	-7	31	0	9	51.3	46.5	0	1	1.67	0.08	1.06	147.0	50.22
to Colleton River Road (#3)	29	533	-5	27	0	9	51.8	46.8	0	1	0.86	0.04	0.57	81.5	27.85
to Tanger Outlet #2 (#2)	52	585	2	29	0	9	43.1	46.4	0	1	1.41	0.07	0.82	124.8	42.85
to Moss Creek (#1)	41	626	5	34	0	9	39.9	46.0	0	1	1.37	0.06	0.75	109.1	37.30

Entered artery 12:46:58 pm (5324 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Hall (#12)	84	84	25	25	0	0	38.6	38.6	0	0	2.84	0.13	1.58	227.2	77.83
to Bluffton Fire (#14)	38	121	5	30	0	0	47.3	41.3	0	0	1.47	0.08	0.86	117.8	40.50
to Rose Hill Way (#10)	82	203	5	35	0	0	51.7	45.5	0	0	3.78	0.18	2.00	268.8	91.98
to Belfair Plantation (#9)	54	257	8	43	0	0	46.6	45.7	0	0	2.26	0.11	1.16	160.7	55.18
to Belfair Towne Village (#8)	72	329	-7	37	0	0	49.1	46.5	0	0	2.85	0.13	1.60	221.0	75.56
to Crescent Drive (#7)	53	382	-5	32	0	0	48.9	46.8	0	0	1.10	0.05	0.70	113.9	39.05
to Home Depot (#6)	35	417	1	33	0	0	43.5	46.5	0	0	1.70	0.08	0.88	117.7	40.24
to Trimblestone Road (#5)	34	451	-1	33	0	0	46.2	46.5	0	0	0.89	0.04	0.55	83.2	28.51
to Sawmill Creek Road (#4)	49	500	-5	27	0	0	49.9	46.8	0	0	1.81	0.08	1.08	149.6	51.13
to Colleton River Road (#3)	29	529	-5	23	0	0	51.9	47.1	0	0	1.40	0.06	0.76	100.6	34.37
to Tanger Outlet #2 (#2)	65	594	15	38	13	13	34.4	45.7	1	1	2.46	0.12	1.23	175.7	60.28
to Moss Creek (#1)	40	634	3	41	0	13	41.3	45.4	0	1	1.66	0.08	0.84	116.7	40.03

Entered artery 1:17:02 pm (7128 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	73	73	14	14	0	0	44.3	44.3	0	0	3.11	0.14	1.66	226.1	77.32
to Bluffton Fire (#14)	36	108	3	18	0	0	50.0	46.2	0	0	2.00	0.11	1.09	138.7	47.58
to Rose Hill Way (#10)	82	190	5	22	0	0	51.6	48.5	0	0	2.61	0.12	1.65	234.0	80.03
to Belfair Plantation (#9)	53	243	6	29	0	0	48.0	48.4	0	0	1.85	0.09	1.06	149.4	51.20
to Belfair Towne Village (#8)	83	325	5	33	0	0	42.5	46.9	0	0	2.18	0.10	1.33	201.0	68.85
to Crescent Drive (#7)	58	383	0	34	0	0	44.8	46.6	0	0	2.06	0.09	1.23	172.6	58.99
to Home Depot (#6)	38	421	4	37	0	0	40.7	46.1	0	0	0.62	0.03	0.40	70.4	24.16
to Trimblestone Road (#5)	32	454	-2	35	0	0	48.1	46.2	0	0	1.97	0.09	0.98	125.3	42.82
to Sawmill Creek Road (#4)	47	500	-8	28	0	0	52.3	46.8	0	0	1.69	0.08	1.05	144.7	49.45
to Colleton River Road (#3)	29	530	-4	24	0	0	50.8	47.0	0	0	1.00	0.05	0.59	83.6	28.64
to Tanger Outlet #2 (#2)	54	584	4	28	0	0	41.6	46.5	0	0	1.82	0.09	1.00	144.3	49.53
to Moss Creek (#1)	37	621	1	28	0	0	44.3	46.4	0	0	1.62	0.08	0.89	121.1	41.38

[-] Before-type Trip Log "Trip #211:08:07 AM", Midday-period, started Monday 3/26/2018 11:08:05 AM ↑Contents

Entered artery 11:25:09 am (1024 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	73	73	15	15	0	0	43.9	43.9	0	0	2.14	0.10	1.21	180.7	61.94
to Bluffton Fire (#14)	39	112	7	22	0	0	45.4	44.5	0	0	1.33	0.07	0.83	115.4	39.64
to Rose Hill Way (#10)	82	194	5	27	0	0	51.6	47.5	0	0	2.82	0.13	1.71	239.8	82.00
to Belfair Plantation (#9)	49	243	3	29	0	0	51.6	48.3	0	0	1.67	0.08	1.04	145.4	49.70
to Belfair Towne Village (#8)	73	316	-5	24	0	0	48.2	48.3	0	0	2.12	0.10	1.27	188.6	64.54
to Crescent Drive (#7)	133	449	75	99	70	70	19.5	39.8	1	1	1.94	0.09	1.15	178.4	61.16
to Home Depot (#6)	53	503	19	119	12	81	28.8	38.6	1	2	2.38	0.11	1.10	153.3	52.50
to															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Trimblestone Road (#5)	34	537	0	119	0	81	45.4	39.0	0	2	2.11	0.10	1.02	131.9	45.06
to Sawmill Creek Road (#4)	52	589	-2	117	0	81	46.8	39.7	0	2	1.14	0.05	0.77	120.8	41.32
to Colleton River Road (#3)	34	623	0	117	0	81	44.3	40.0	0	2	1.08	0.05	0.70	99.4	33.92
to Tanger Outlet #2 (#2)	45	669	-4	112	0	81	49.5	40.6	0	2	1.40	0.06	0.90	128.9	44.04
to Moss Creek (#1)	34	703	-2	110	0	81	48.1	41.0	0	2	0.75	0.03	0.52	80.5	27.54

Entered artery 11:56:15 am (2890 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	106	106	48	48	32	32	30.3	30.3	1	1	4.35	0.19	1.92	261.4	89.74
to Bluffton Fire (#14)	39	146	7	55	0	32	45.0	34.3	0	1	1.93	0.10	1.12	145.6	49.89
to Rose Hill Way (#10)	79	225	2	57	0	32	53.5	41.0	0	1	3.01	0.14	1.80	247.5	84.65
to Belfair Plantation (#9)	52	277	6	63	0	32	48.4	42.4	0	1	1.91	0.09	1.00	142.6	48.80
to Belfair Towne Village (#8)	106	383	28	91	17	49	33.2	39.9	1	2	2.70	0.12	1.55	241.6	82.66
to Crescent Drive (#7)	133	516	76	167	66	115	19.5	34.6	1	3	1.92	0.09	1.10	174.4	59.87
to Home Depot (#6)	35	552	1	168	0	115	43.5	35.2	0	3	1.41	0.06	0.86	116.8	39.88
to Trimblestone Road (#5)	38	590	4	171	0	115	41.1	35.5	0	3	0.75	0.04	0.45	75.8	25.99
to Sawmill Creek Road (#4)	62	652	8	179	0	115	39.2	35.9	0	3	1.63	0.08	0.93	144.0	49.31
to Colleton River Road (#3)	41	693	7	186	0	115	36.9	36.0	0	3	1.19	0.05	0.71	104.9	35.90
to Tanger Outlet #2 (#2)	55	748	5	192	0	115	40.7	36.3	0	3	1.43	0.07	0.87	132.6	45.45
to Moss Creek (#1)	39	787	2	194	0	115	42.3	36.6	0	3	1.16	0.05	0.76	109.6	37.45

Entered artery 12:25:44 pm (4660 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	100	100	41	41	24	24	32.4	32.4	1	1	2.37	0.11	1.35	206.7	70.82
to Bluffton Fire (#14)	38	137	5	46	0	24	47.3	36.4	0	1	2.01	0.10	1.13	145.6	49.80
to Rose Hill Way (#10)	81	219	4	51	0	24	51.8	42.2	0	1	2.85	0.14	1.66	234.3	80.21
to Belfair Plantation (#9)	53	272	7	58	0	24	47.5	43.2	0	1	1.73	0.08	1.00	143.6	49.17
to Belfair Towne Village (#8)	89	361	11	69	0	24	39.6	42.3	0	1	2.14	0.10	1.33	206.0	70.48
to Crescent Drive (#7)	79	439	21	89	0	24	33.1	40.7	0	1	1.84	0.08	1.07	170.6	58.38
to Home Depot (#6)	105	544	71	160	59	83	14.7	35.7	1	2	1.18	0.06	0.66	117.3	40.33
to Trimblestone Road (#5)	44	588	10	170	0	83	35.6	35.7	0	2	1.46	0.07	0.72	107.4	36.77
to Sawmill Creek Road (#4)	69	657	14	184	0	83	35.7	35.7	0	2	2.37	0.11	1.14	169.2	57.96
to Colleton River Road (#3)	32	689	-1	183	0	83	46.1	36.1	0	2	1.54	0.07	0.88	116.0	39.59
to Tanger Outlet #2 (#2)	47	736	-3	180	0	83	47.4	36.9	0	2	1.34	0.06	0.78	116.3	39.86
to Moss Creek (#1)	39	775	2	182	0	83	42.5	37.2	0	2	1.44	0.07	0.76	107.6	36.91

Entered artery 12:56:25 pm (6500 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	77	77	19	19	0	0	41.6	41.6	0	0	2.27	0.11	1.35	198.9	68.15
to Bluffton Fire (#14)	35	113	3	22	0	0	50.4	44.3	0	0	1.41	0.07	0.85	114.9	39.46

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Rose Hill Way (#10)	83	196	7	29	0	0	50.6	47.0	0	0	2.38	0.11	1.55	226.0	77.27
to Belfair Plantation (#9)	114	311	68	97	58	58	22.1	37.8	1	1	1.84	0.09	1.02	162.9	55.92
to Belfair Towne Village (#8)	90	401	12	109	8	66	39.2	38.1	1	2	3.42	0.16	1.88	262.9	89.94
to Crescent Drive (#7)	56	457	-2	107	0	66	46.4	39.1	0	2	2.37	0.11	1.33	181.4	61.96
to Home Depot (#6)	70	527	36	143	18	84	21.8	36.8	1	3	0.87	0.04	0.55	111.6	38.28
to Trimblestone Road (#5)	42	569	7	150	0	84	37.4	36.9	0	3	1.29	0.06	0.74	108.4	37.11
to Sawmill Creek Road (#4)	54	623	0	151	0	84	44.9	37.6	0	3	1.74	0.08	1.01	146.9	50.28
to Colleton River Road (#3)	110	734	77	227	72	156	13.6	34.0	1	4	1.15	0.06	0.63	106.9	36.81
to Tanger Outlet #2 (#2)	50	783	0	227	0	156	45.2	34.7	0	4	2.56	0.12	1.41	183.9	62.80
to Moss Creek (#1)	34	817	-3	224	0	156	48.6	35.2	0	4	0.83	0.04	0.57	85.3	29.16

[-] Before-type Trip Log "Trip #511:08:12 AM", Midday-period, started Tuesday 3/27/2018 11:08:11 AM ↑Contents

Entered artery 11:25:16 am (1026 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	82	82	24	24	7	7	39.2	39.2	1	1	2.26	0.10	1.32	198.7	68.03
to Bluffton Fire (#14)	34	116	1	25	0	7	52.8	43.2	0	1	2.29	0.12	1.18	146.1	50.11
to Rose Hill Way (#10)	81	197	4	29	0	7	52.0	46.8	0	1	2.40	0.16	1.61	227.6	78.56
to Belfair Plantation (#9)	49	246	3	32	0	7	51.3	47.7	0	1	1.48	0.09	0.98	138.1	47.72
to Belfair Towne Village (#8)	70	316	-9	24	0	7	50.6	48.3	0	1	1.98	0.09	1.30	189.2	64.71
to Crescent Drive (#7)	70	385	12	36	0	7	37.3	46.4	0	1	1.68	0.08	0.99	155.2	53.27
to Home Depot (#6)	36	421	1	37	0	7	43.2	46.1	0	1	1.24	0.06	0.76	105.8	36.15
to Trimblestone Road (#5)	88	509	54	91	44	52	17.8	41.2	1	2	1.19	0.06	0.63	106.8	36.68
to Sawmill Creek Road (#4)	58	567	3	94	0	52	42.3	41.3	0	2	1.72	0.08	0.99	147.6	50.45
to Colleton River Road (#3)	33	600	0	94	0	52	44.7	41.5	0	2	1.77	0.08	0.98	127.3	43.45
to Tanger Outlet #2 (#2)	67	667	17	111	13	65	33.7	40.7	1	3	1.63	0.08	0.91	143.9	49.35
to Moss Creek (#1)	37	704	1	111	0	65	44.0	40.9	0	3	1.63	0.07	0.93	124.8	42.66

Entered artery 11:52:45 am (2674 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	60	60	1	1	0	0	53.9	53.9	0	0	2.05	0.09	1.32	183.4	62.65
to Bluffton Fire (#14)	34	94	2	3	0	0	51.9	53.2	0	0	1.13	0.07	0.73	101.1	34.80
to Rose Hill Way (#10)	77	171	0	3	0	0	55.0	54.0	0	0	3.36	0.15	2.00	265.4	90.66
to Belfair Plantation (#9)	111	282	65	68	51	51	22.7	41.7	1	1	1.50	0.07	0.78	136.8	46.98
to Belfair Towne Village (#8)	112	394	34	102	29	80	31.4	38.8	1	2	3.85	0.18	1.93	271.8	92.97
to Crescent Drive (#7)	127	521	69	171	66	147	20.4	34.3	1	3	2.55	0.12	1.35	202.9	69.57
to Home Depot (#6)	89	610	55	226	44	191	17.3	31.8	1	4	2.14	0.10	0.97	141.9	48.58
to Trimblestone Road (#5)	34	644	-1	225	0	191	46.2	32.6	0	4	3.92	0.11	1.17	132.1	46.25
to Sawmill Creek Road	49	693	-6	220	0	191	50.1	33.8	0	4	1.53	0.07	1.01	142.5	48.69

(#4)														
to Colleton River Road (#3)	31	723	-3	217	0	191	49.0	34.4	0	4	0.76	0.04	0.52	77.7	26.59
to Tanger Outlet #2 (#2)	47	770	-3	214	0	191	47.3	35.2	0	4	1.08	0.05	0.69	107.7	36.86
to Moss Creek (#1)	39	809	3	216	0	191	42.8	35.6	0	4	1.23	0.06	0.76	109.3	37.38

Entered artery 12:25:35 pm (4644 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	104	104	45	45	29	29	31.1	31.1	1	1	3.32	0.16	1.75	242.3	82.98
to Bluffton Fire (#14)	39	143	7	52	0	29	45.3	35.0	0	1	114.08	0.93	3.86	182.5	118.64
to Rose Hill Way (#10)	72	214	-5	47	0	29	58.8	43.0	0	1	3.41	0.16	1.95	256.5	87.69
to Belfair Plantation (#9)	62	276	16	62	5	35	40.9	42.5	1	2	2.18	0.10	1.18	167.5	57.38
to Belfair Towne Village (#8)	109	385	30	93	19	54	32.5	39.7	1	3	3.60	0.17	1.88	276.1	94.52
to Crescent Drive (#7)	131	516	74	166	75	129	19.8	34.6	1	4	2.23	0.10	1.20	175.6	60.45
to Home Depot (#6)	38	555	4	171	0	129	40.0	35.0	0	4	9.51	0.16	1.26	125.4	47.05
to Trimblestone Road (#5)	34	589	0	170	0	129	45.7	35.6	0	4	1.59	0.07	0.93	122.2	41.72
to Sawmill Creek Road (#4)	62	651	7	178	0	129	39.5	36.0	0	4	1.18	0.06	0.71	121.4	41.62
to Colleton River Road (#3)	34	685	1	179	0	129	43.4	36.4	0	4	1.56	0.07	0.87	116.6	39.84
to Tanger Outlet #2 (#2)	46	731	-4	175	0	129	48.9	37.1	0	4	1.59	0.07	0.97	135.7	46.37
to Moss Creek (#1)	34	765	-2	172	0	129	48.2	37.6	0	4	0.92	0.04	0.57	85.7	29.32

Entered artery 12:56:12 pm (6481 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	81	81	23	23	0	0	39.6	39.6	0	0	2.87	0.14	1.47	214.1	73.36
to Bluffton Fire (#14)	32	114	0	23	0	0	55.3	44.0	0	0	2.51	0.12	1.27	154.3	52.77
to Rose Hill Way (#10)	78	192	1	24	0	0	54.0	48.1	0	0	2.36	0.11	1.51	216.3	74.11
to Belfair Plantation (#9)	48	239	2	26	0	0	53.0	49.1	0	0	1.79	0.08	1.08	149.0	50.96
to Belfair Towne Village (#8)	70	309	-8	17	0	0	50.5	49.4	0	0	2.58	0.12	1.51	209.1	71.67
to Crescent Drive (#7)	52	361	-6	12	0	0	49.6	49.4	0	0	1.67	0.08	1.05	149.6	51.15
to Home Depot (#6)	33	395	-1	11	0	0	46.0	49.1	0	0	0.70	0.03	0.48	75.8	25.97
to Trimblestone Road (#5)	88	483	53	64	49	49	17.9	43.4	1	1	1.27	0.06	0.69	109.2	37.55
to Sawmill Creek Road (#4)	87	570	33	97	26	74	28.0	41.1	1	2	2.57	0.12	1.35	193.9	66.40
to Colleton River Road (#3)	48	618	15	112	5	79	31.2	40.3	1	3	2.00	0.09	1.07	146.3	50.14
to Tanger Outlet #2 (#2)	47	665	-3	109	0	79	48.1	40.9	0	3	2.17	0.10	1.19	158.9	54.29
to Moss Creek (#1)	33	697	-4	105	0	79	50.3	41.3	0	3	1.21	0.06	0.69	96.6	33.05

Cumulative Reports

[-] After-type Trip Log "Trip #15", Midday-period, started Tuesday 6/5/2018 11:16:41 AM ↑Contents

Entered artery 11:34:06 am (1045 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	697	104	90	41.3	3
to Moss Creek (#1)	737	145	98	39.1	3
to Moss Creek (#1)	734	141	110	39.2	3
to Moss Creek (#1)	687	94	61	41.9	1

[-] After-type Trip Log "Trip #18", Midday-period, started Wednesday 6/6/2018 11:18:14 AM ↑Contents

**Entered artery 11:36:26 am (1093 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	789	196	120	36.5	3
to Moss Creek (#1)	626	34	9	46.0	1
to Moss Creek (#1)	634	41	13	45.4	1
to Moss Creek (#1)	621	28	0	46.4	0

[-] Before-type Trip Log "Trip #211:08:07 AM", Midday-period, started Monday 3/26/2018 11:08:05 AM ↑Contents

**Entered artery 11:25:09 am (1024 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	703	110	81	41.0	2
to Moss Creek (#1)	787	194	115	36.6	3
to Moss Creek (#1)	775	182	83	37.2	2
to Moss Creek (#1)	817	224	156	35.2	4

[-] Before-type Trip Log "Trip #511:08:12 AM", Midday-period, started Tuesday 3/27/2018 11:08:11 AM ↑Contents

**Entered artery 11:25:16 am (1026 seconds)
traveling Eastbound from Hampton Parkway
(#13)**

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	704	111	65	40.9	3
to Moss Creek (#1)	809	216	191	35.6	4
to Moss Creek (#1)	765	172	129	37.6	4
to Moss Creek (#1)	697	105	79	41.3	3

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:51:52 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Summarized Travel Time from previous Node (seconds)

CTT:
Summarized Cumulative Travel Time since beginning of Run (seconds)

Delay:
Summarized Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Summarized Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Summarized Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Summarized Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Summarized Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Summarized Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Summarized Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Summarized Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Summarized Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Summary of runs Eastbound from Hampton Parkway (#13)

8 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 11:25:09 AM to 12:56:25 PM
8 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 11:34:06 AM to 1:17:02 PM

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)															
Average Before (n=8)	85	85	27	27	12	12	39.0	39.0	0.5	0.5	2.70	0.13	1.46	210.8	72.21
Minimum Before (n=8)	60	60	1	1	0	0	30.3	30.3	0.0	0.0	2.05	0.09	1.21	180.7	61.94
85th Percentile Before (n=8)	104	104	45	45	29	29	43.9	43.9	1.0	1.0	3.32	0.16	1.75	242.3	82.98
Maximum Before (n=8)	106	106	48	48	32	32	53.9	53.9	1.0	1.0	4.35	0.19	1.92	261.4	89.74
Std Dev Before (n=8)	16	16	16	16	14	14	7.9	7.9	0.5	0.5	0.79	0.03	0.25	28.1	9.69
Average After (n=8)	95	95	36	36	21	21	36.5	36.5	0.5	0.5	4.01	0.16	1.69	230.9	79.91
Minimum After (n=8)	64	64	6	6	0	0	24.6	24.6	0.0	0.0	2.17	0.11	1.18	201.2	68.98
85th Percentile After (n=8)	129	129	70	70	61	61	44.9	44.9	1.0	1.0	5.11	0.22	1.97	259.7	91.19
Maximum After (n=8)	131	131	72	72	62	62	50.1	50.1	1.0	1.0	8.02	0.23	2.30	266.6	93.30
Std Dev After (n=8)	28	28	28	28	28	28	10.0	10.0	0.5	0.5	1.92	0.04	0.34	23.5	8.81
Difference	9	9	9	9	9	9	-2.5	-2.5	0.0	0.0	1.31	0.04	0.22	20.2	7.70
Difference Minimum	5	5	5	5	0	0	-5.7	-5.7	0.0	0.0	0.13	0.01	-0.03	20.5	7.04
Difference 85th Percentile	25	25	25	25	31	31	1.0	1.0	0.0	0.0	1.79	0.06	0.22	17.3	8.21
Difference Maximum	25	25	25	25	30	30	-3.8	-3.8	0.0	0.0	3.68	0.03	0.37	5.2	3.56
Std Dev Difference	32	32	32	32	32	32	12.7	12.7	0.8	0.8	2.07	0.06	0.42	36.6	13.10
% Difference	11%	11%	35%	35%	82%	82%	-6.4%	-6.4%	0.0%	0.0%	48.53%	28.20%	15.31%	9.6%	10.66%
to Bluffton Fire (#14)															

Average Before (n=8)	36	122	4	31	0	12	49.2	41.9	0.0	0.5	15.84	0.20	1.37	138.2	54.39
Minimum Before (n=8)	32	94	0	3	0	0	45.0	34.3	0.0	0.0	1.13	0.07	0.73	101.1	34.80
85th Percentile Before (n=8)	39	143	7	52	0	29	52.8	44.5	0.0	1.0	2.51	0.12	1.27	154.3	52.77
Maximum Before (n=8)	39	146	7	55	0	32	55.3	53.2	0.0	1.0	114.08	0.93	3.86	182.5	118.64
Std Dev Before (n=8)	3	18	3	18	0	14	4.0	6.3	0.0	0.5	39.70	0.30	1.02	26.3	26.76
Average After (n=8)	37	131	4	41	0	21	48.9	39.8	0.0	0.5	6.14	0.14	1.25	144.1	51.47
Minimum After (n=8)	31	96	-1	5	0	0	44.5	29.4	0.0	0.0	1.39	0.08	0.84	110.0	37.80
85th Percentile After (n=8)	39	165	7	75	0	61	50.0	46.6	0.0	1.0	2.59	0.13	1.38	172.1	58.81
Maximum After (n=8)	40	170	8	80	0	62	56.5	52.2	0.0	1.0	35.84	0.44	2.67	199.6	84.90
Std Dev After (n=8)	3	30	3	30	0	28	3.7	8.7	0.0	0.5	12.01	0.12	0.60	29.9	15.06
Difference	0	10	0	10	0	9	-0.3	-2.1	0.0	0.0	-9.70	-0.06	-0.12	5.9	-2.92
Difference Minimum	-1	2	-1	2	0	0	-0.5	-5.0	0.0	0.0	0.26	0.01	0.11	8.9	3.00
Difference 85th Percentile	0	23	0	23	0	31	-2.8	2.1	0.0	0.0	0.08	0.00	0.11	17.8	6.04
Difference Maximum	0	25	0	25	0	30	1.2	-0.9	0.0	0.0	-78.24	-0.49	-1.19	17.1	-33.74
Std Dev Difference	4	35	4	35	0	32	5.5	10.8	0.0	0.8	41.47	0.32	1.19	39.8	30.71
% Difference	1%	8%	5%	31%	N/D	82%	-0.6%	-5.0%	N/D	0.0%	-61.25%	-28.74%	-8.54%	4.3%	-5.37%
to Rose Hill Way (#10)															
Average Before (n=8)	79	201	2	33	0	12	53.4	46.2	0.0	0.5	2.82	0.14	1.72	239.1	81.89
Minimum Before (n=8)	72	171	-5	3	0	0	50.6	41.0	0.0	0.0	2.36	0.11	1.51	216.3	74.11
85th Percentile Before (n=8)	82	219	5	51	0	29	55.0	48.1	0.0	1.0	3.36	0.16	1.95	256.5	87.69
Maximum Before (n=8)	83	225	7	57	0	32	58.8	54.0	0.0	1.0	3.41	0.16	2.00	265.4	90.66
Std Dev Before (n=8)	4	18	4	18	0	14	2.6	4.1	0.0	0.5	0.42	0.02	0.18	16.5	5.53
Average After (n=8)	79	210	2	43	0	21	53.6	44.7	0.0	0.5	3.11	0.15	1.82	248.6	85.05
Minimum After (n=8)	72	172	-4	4	0	0	48.0	36.8	0.0	0.0	2.61	0.12	1.62	233.4	79.85
85th Percentile After (n=8)	82	245	5	78	0	61	55.6	50.4	0.0	1.0	3.68	0.18	2.00	268.8	91.98
Maximum After (n=8)	88	251	11	83	0	62	58.2	53.6	0.0	1.0	3.78	0.18	2.11	273.4	93.52
Std Dev After (n=8)	5	31	5	31	0	28	3.2	6.5	0.0	0.5	0.44	0.02	0.19	17.0	5.78
Difference	0	9	0	9	0	9	0.2	-1.5	0.0	0.0	0.29	0.01	0.09	9.4	3.15
Difference Minimum	1	1	1	1	0	0	-2.6	-4.3	0.0	0.0	0.25	0.01	0.11	17.1	5.74
Difference 85th Percentile	0	27	0	27	0	31	0.6	2.3	0.0	0.0	0.32	0.02	0.05	12.4	4.29
Difference Maximum	4	26	4	26	0	30	-0.6	-0.4	0.0	0.0	0.38	0.02	0.12	8.0	2.85
Std Dev Difference	6	36	6	36	0	32	4.2	7.7	0.0	0.8	0.61	0.03	0.26	23.7	8.00
% Difference	0%	5%	-9%	28%	N/D	82%	0.4%	-3.3%	N/D	0.0%	10.20%	6.75%	5.47%	3.9%	3.85%
to Belfair Plantation (#9)															
Average Before (n=8)	67	268	21	55	14	26	42.2	44.1	0.4	0.9	1.76	0.09	1.01	148.3	50.83
Minimum Before (n=8)	48	239	2	26	0	0	22.1	37.8	0.0	0.0	1.48	0.07	0.78	136.8	46.98
85th Percentile Before (n=8)	111	282	65	68	51	51	51.6	48.3	1.0	1.0	1.91	0.09	1.08	162.9	55.92
Maximum Before (n=8)	114	311	68	97	58	58	53.0	49.1	1.0	2.0	2.18	0.10	1.18	167.5	57.38
Std Dev Before (n=8)	28	24	28	24	25	22	12.8	3.9	0.5	0.6	0.23	0.01	0.11	11.2	3.81
Average After (n=8)	62	272	16	59	5	26	41.0	43.6	0.4	0.9	2.20	0.10	1.18	167.9	57.56
Minimum After (n=8)	53	239	6	25	0	0	34.1	37.1	0.0	0.0	1.85	0.09	1.06	149.4	51.20

85th Percentile After (n=8)	67	314	21	100	14	61	46.6	48.4	1.0	1.0	2.53	0.12	1.33	182.8	62.63
Maximum After (n=8)	74	317	28	103	19	80	48.0	49.2	1.0	2.0	2.57	0.12	1.34	186.8	64.01
Std Dev After (n=8)	7	34	7	34	8	31	4.5	5.2	0.5	0.6	0.26	0.01	0.11	12.6	4.31
Difference	-5	4	-5	4	-9	0	-1.2	-0.4	0.0	0.0	0.43	0.02	0.17	19.7	6.73
Difference Minimum	5	-1	5	-1	0	0	12.1	-0.7	0.0	0.0	0.37	0.01	0.28	12.6	4.22
Difference 85th Percentile	-44	32	-44	32	-37	10	-5.0	0.1	0.0	0.0	0.62	0.03	0.25	19.9	6.71
Difference Maximum	-41	6	-41	6	-39	23	-4.9	0.1	0.0	0.0	0.39	0.02	0.17	19.2	6.64
Std Dev Difference	29	41	29	41	26	38	13.5	6.5	0.7	0.9	0.35	0.02	0.16	16.9	5.75
% Difference	-8%	2%	-24%	8%	-63%	2%	-2.8%	-1.0%	0.0%	0.0%	24.65%	21.16%	17.18%	13.3%	13.24%
to Belfair Towne Village (#8)															
Average Before (n=8)	90	358	12	66	9	35	40.6	43.1	0.5	1.4	2.80	0.13	1.58	230.7	78.93
Minimum Before (n=8)	70	309	-9	17	0	0	31.4	38.1	0.0	0.0	1.98	0.09	1.27	188.6	64.54
85th Percentile Before (n=8)	109	394	30	102	19	66	50.5	48.3	1.0	2.0	3.60	0.17	1.88	271.8	92.97
Maximum Before (n=8)	112	401	34	109	29	80	50.6	49.4	1.0	3.0	3.85	0.18	1.93	276.1	94.52
Std Dev Before (n=8)	18	38	18	38	11	31	8.1	4.8	0.5	1.1	0.73	0.03	0.28	36.8	12.59
Average After (n=8)	79	351	1	59	0	26	45.0	43.8	0.0	0.9	2.86	0.13	1.58	223.1	76.35
Minimum After (n=8)	72	316	-7	24	0	0	40.4	38.1	0.0	0.0	2.18	0.10	1.33	201.0	68.85
85th Percentile After (n=8)	87	389	9	97	0	61	48.6	47.2	0.0	1.0	3.24	0.15	1.68	230.0	78.68
Maximum After (n=8)	87	401	9	109	0	80	49.1	48.3	0.0	2.0	3.28	0.16	1.78	241.4	82.60
Std Dev After (n=8)	6	34	6	34	0	31	3.4	4.1	0.0	0.6	0.39	0.02	0.15	12.1	4.11
Difference	-11	-7	-11	-7	-9	-9	4.3	0.7	-0.5	-0.5	0.06	0.00	-0.01	-7.6	-2.59
Difference Minimum	2	7	2	7	0	0	8.9	0.0	0.0	0.0	0.20	0.01	0.05	12.4	4.31
Difference 85th Percentile	-22	-5	-22	-5	-19	-5	-1.8	-1.1	-1.0	-1.0	-0.36	-0.02	-0.21	-41.7	-14.30
Difference Maximum	-25	0	-25	0	-29	0	-1.5	-1.1	-1.0	-1.0	-0.56	-0.02	-0.15	-34.7	-11.91
Std Dev Difference	19	51	19	51	11	44	8.8	6.3	0.5	1.2	0.83	0.04	0.32	38.7	13.24
% Difference	-12%	-2%	-95%	-10%	-100%	-25%	10.6%	1.7%	-100.0%	-36.4%	2.28%	2.74%	-0.32%	-3.3%	-3.28%
to Crescent Drive (#7)															
Average Before (n=8)	98	456	40	106	35	70	30.7	39.9	0.5	1.9	2.03	0.09	1.16	173.5	59.48
Minimum Before (n=8)	52	361	-6	12	0	0	19.5	34.3	0.0	0.0	1.67	0.08	0.99	149.6	51.15
85th Percentile Before (n=8)	133	516	75	167	70	129	46.4	46.4	1.0	3.0	2.37	0.11	1.33	181.4	61.96
Maximum Before (n=8)	133	521	76	171	75	147	49.6	49.4	1.0	4.0	2.55	0.12	1.35	202.9	69.57
Std Dev Before (n=8)	37	61	37	61	37	56	12.7	5.6	0.5	1.4	0.32	0.02	0.13	16.3	5.62
Average After (n=8)	60	411	2	62	1	28	43.7	43.6	0.1	1.0	1.89	0.09	1.11	160.8	55.03
Minimum After (n=8)	51	382	-7	32	0	0	33.8	38.8	0.0	0.0	1.10	0.05	0.70	113.9	39.05
85th Percentile After (n=8)	63	446	6	96	0	61	48.9	46.6	0.0	2.0	2.22	0.10	1.27	177.3	60.60
Maximum After (n=8)	77	460	19	111	11	80	50.7	46.8	1.0	2.0	2.41	0.11	1.29	191.2	65.52
Std Dev After (n=8)	8	32	8	32	4	30	5.3	3.3	0.4	0.8	0.41	0.02	0.21	23.8	8.12
Difference	-37	-44	-37	-44	-33	-42	13.0	3.8	-0.4	-0.9	-0.13	-0.01	-0.05	-12.7	-4.45
Difference Minimum	-1	20	-1	20	0	0	14.3	4.5	0.0	0.0	-0.57	-0.02	-0.28	-35.7	-12.10
Difference 85th Percentile	-70	-70	-70	-70	-70	-68	2.5	0.2	-1.0	-1.0	-0.16	0.00	-0.06	-4.1	-1.37
Difference Maximum	-57	-61	-57	-61	-64	-66	1.1	-2.6	0.0	-2.0	-0.14	-0.01	-0.06	-11.7	-4.05

Std Dev Difference	38	69	38	69	37	64	13.8	6.5	0.6	1.6	0.52	0.02	0.25	28.9	9.88
% Difference	-38%	-10%	-94%	-42%	-96%	-60%	42.4%	9.5%	-75.0%	-46.7%	-6.51%	-7.48%	-4.22%	-7.3%	-7.48%

to Home Depot (#6)

Average Before (n=8)	58	513	23	129	17	86	31.9	38.5	0.5	2.4	2.43	0.08	0.83	118.5	41.09
Minimum Before (n=8)	33	395	-1	11	0	0	14.7	31.8	0.0	0.0	0.70	0.03	0.48	75.8	25.97
85th Percentile Before (n=8)	89	555	55	171	44	129	43.5	46.1	1.0	4.0	2.38	0.11	1.10	141.9	48.58
Maximum Before (n=8)	105	610	71	226	59	191	46.0	49.1	1.0	4.0	9.51	0.16	1.26	153.3	52.50
Std Dev Before (n=8)	28	72	28	72	23	62	12.8	6.0	0.5	1.4	2.92	0.04	0.27	23.4	8.32
Average After (n=8)	36	447	2	63	0	28	43.2	43.5	0.0	1.0	1.14	0.05	0.65	94.2	32.26
Minimum After (n=8)	31	417	-3	33	0	0	38.2	39.3	0.0	0.0	0.57	0.03	0.37	62.4	21.37
85th Percentile After (n=8)	38	482	4	98	0	61	46.7	46.1	0.0	2.0	1.70	0.08	0.88	117.7	40.24
Maximum After (n=8)	40	493	6	109	0	80	49.8	46.5	0.0	2.0	1.84	0.08	0.99	129.4	44.19
Std Dev After (n=8)	3	30	3	30	0	30	3.6	2.9	0.0	0.8	0.49	0.02	0.23	24.8	8.45
Difference	-22	-66	-22	-66	-17	-59	11.3	5.0	-0.5	-1.4	-1.29	-0.02	-0.18	-24.3	-8.83
Difference Minimum	-3	22	-3	22	0	0	23.5	7.5	0.0	0.0	-0.13	-0.01	-0.11	-13.5	-4.60
Difference 85th Percentile	-51	-73	-51	-73	-44	-68	3.3	0.0	-1.0	-2.0	-0.68	-0.03	-0.23	-24.2	-8.34
Difference Maximum	-65	-117	-65	-117	-59	-111	3.8	-2.6	-1.0	-2.0	-7.67	-0.07	-0.27	-23.9	-8.31
Std Dev Difference	28	78	28	78	23	69	13.3	6.6	0.5	1.6	2.96	0.05	0.36	34.1	11.86
% Difference	-38%	-13%	-93%	-51%	-100%	-68%	35.6%	13.0%	-100.0%	-57.9%	-53.13%	-31.10%	-22.18%	-20.5%	-21.49%

to Trimblestone Road (#5)

Average Before (n=8)	50	564	16	145	12	98	35.9	37.5	0.3	2.6	1.70	0.07	0.79	111.7	38.39
Minimum Before (n=8)	34	483	-1	64	0	49	17.8	32.6	0.0	1.0	0.75	0.04	0.45	75.8	25.99
85th Percentile Before (n=8)	88	590	53	171	44	129	45.7	41.2	1.0	4.0	2.11	0.10	1.02	131.9	45.06
Maximum Before (n=8)	88	644	54	225	49	191	46.2	43.4	1.0	4.0	3.92	0.11	1.17	132.1	46.25
Std Dev Before (n=8)	24	52	24	52	21	47	11.8	3.5	0.5	1.1	0.98	0.02	0.23	18.1	6.31
Average After (n=8)	34	481	-1	63	0	28	46.3	43.7	0.0	1.0	1.12	0.05	0.66	94.5	32.35
Minimum After (n=8)	32	451	-2	33	0	0	39.7	39.8	0.0	0.0	0.81	0.04	0.50	78.2	26.80
85th Percentile After (n=8)	35	515	0	96	0	61	48.4	46.2	0.0	2.0	1.18	0.05	0.74	101.4	34.63
Maximum After (n=8)	40	527	5	109	0	80	48.5	46.5	0.0	2.0	1.97	0.09	0.98	125.3	42.82
Std Dev After (n=8)	2	31	2	31	0	30	2.9	2.7	0.0	0.8	0.37	0.02	0.15	15.0	5.09
Difference	-16	-82	-16	-82	-12	-70	10.4	6.2	-0.3	-1.6	-0.58	-0.02	-0.13	-17.2	-6.04
Difference Minimum	-2	-32	-2	-32	0	-49	21.9	7.2	0.0	-1.0	0.06	0.00	0.05	2.4	0.81
Difference 85th Percentile	-53	-75	-53	-75	-44	-68	2.7	5.0	-1.0	-2.0	-0.93	-0.05	-0.29	-30.5	-10.43
Difference Maximum	-49	-117	-49	-117	-49	-111	2.3	3.0	-1.0	-2.0	-1.95	-0.02	-0.20	-6.8	-3.42
Std Dev Difference	24	60	24	60	21	56	12.1	4.5	0.5	1.3	1.04	0.03	0.28	23.5	8.11
% Difference	-33%	-15%	-104%	-57%	-100%	-72%	29.1%	16.6%	-100.0%	-61.9%	-34.27%	-26.38%	-16.74%	-15.4%	-15.73%

to Sawmill Creek Road (#4)

Average Before (n=8)	62	625	7	152	3	101	40.8	37.6	0.1	2.8	1.74	0.08	0.99	148.3	50.75
Minimum Before (n=8)	49	567	-6	94	0	52	28.0	33.8	0.0	2.0	1.14	0.05	0.71	120.8	41.32
85th Percentile Before (n=8)	69	657	14	184	0	129	46.8	41.1	0.0	4.0	2.37	0.11	1.14	169.2	57.96
Maximum Before (n=8)	87	693	33	220	26	191	50.1	41.3	1.0	4.0	2.57	0.12	1.35	193.9	66.40
Std Dev Before (n=8)	12	46	12	46	9	43	6.9	2.8	0.4	0.9	0.51	0.02	0.20	24.1	8.24

Average After (n=8)	49	530	-5	58	0	28	49.8	44.3	0.0	1.0	1.78	0.08	1.07	149.2	51.01
Minimum After (n=8)	46	500	-9	27	0	0	46.4	40.5	0.0	0.0	1.57	0.07	0.96	138.9	47.58
85th Percentile After (n=8)	52	566	-3	94	0	61	52.3	46.8	0.0	2.0	1.93	0.09	1.11	155.9	53.30
Maximum After (n=8)	53	578	-2	105	0	80	53.6	46.8	0.0	2.0	2.06	0.09	1.21	160.5	54.82
Std Dev After (n=8)	2	33	2	33	0	30	2.5	2.7	0.0	0.8	0.17	0.01	0.08	7.3	2.46
Difference	-12	-95	-12	-95	-3	-74	9.0	6.7	-0.1	-1.8	0.04	0.00	0.08	0.9	0.26
Difference Minimum	-3	-67	-3	-67	0	-52	18.4	6.7	0.0	-2.0	0.43	0.02	0.25	18.0	6.25
Difference 85th Percentile	-17	-90	-17	-90	0	-68	5.5	5.7	0.0	-2.0	-0.45	-0.02	-0.03	-13.3	-4.66
Difference Maximum	-35	-115	-35	-115	-26	-111	3.5	5.5	-1.0	-2.0	-0.51	-0.03	-0.14	-33.4	-11.57
Std Dev Difference	12	56	12	56	9	53	7.4	3.9	0.4	1.2	0.54	0.03	0.22	25.1	8.60
% Difference	-20%	-15%	-172%	-62%	-100%	-73%	22.0%	17.7%	-100.0%	-63.6%	2.50%	1.00%	8.46%	0.6%	0.50%
to Colleton River Road (#3)															
Average Before (n=8)	45	671	12	164	10	111	38.7	37.3	0.3	3.0	1.38	0.06	0.80	111.9	38.28
Minimum Before (n=8)	31	600	-3	94	0	52	13.6	34.0	0.0	2.0	0.76	0.04	0.52	77.7	26.59
85th Percentile Before (n=8)	48	723	15	217	5	156	46.1	40.3	1.0	4.0	1.77	0.08	0.98	127.3	43.45
Maximum Before (n=8)	110	734	77	227	72	191	49.0	41.5	1.0	4.0	2.00	0.09	1.07	146.3	50.14
Std Dev Before (n=8)	27	50	27	50	25	46	11.6	2.9	0.5	0.9	0.41	0.02	0.19	20.2	6.92
Average After (n=8)	62	592	28	86	29	56	36.3	42.4	0.4	1.4	0.97	0.05	0.56	89.5	30.69
Minimum After (n=8)	29	529	-5	23	0	0	12.4	36.5	0.0	0.0	0.69	0.04	0.32	79.4	27.45
85th Percentile After (n=8)	118	638	85	132	79	106	51.8	47.0	1.0	2.0	1.17	0.06	0.64	100.6	34.37
Maximum After (n=8)	121	681	88	175	84	110	51.9	47.1	1.0	3.0	1.40	0.06	0.76	111.1	38.26
Std Dev After (n=8)	44	58	44	58	40	47	19.2	4.1	0.5	1.1	0.23	0.01	0.14	10.8	3.72
Difference	16	-79	16	-79	19	-54	-2.4	5.1	0.1	-1.6	-0.41	-0.02	-0.23	-22.4	-7.59
Difference Minimum	-2	-71	-2	-71	0	-52	-1.3	2.6	0.0	-2.0	-0.08	0.00	-0.19	1.6	0.86
Difference 85th Percentile	70	-85	70	-85	74	-50	5.7	6.7	0.0	-2.0	-0.60	-0.02	-0.34	-26.7	-9.08
Difference Maximum	11	-52	11	-52	12	-81	3.0	5.6	0.0	-1.0	-0.60	-0.03	-0.31	-35.2	-11.88
Std Dev Difference	52	76	52	76	47	66	22.4	5.0	0.7	1.4	0.47	0.02	0.23	22.9	7.86
% Difference	36%	-12%	134%	-48%	198%	-49%	-6.1%	13.6%	50.0%	-54.2%	-29.46%	-26.19%	-29.34%	-20.0%	-19.83%
to Tanger Outlet #2 (#2)															
Average Before (n=8)	50	721	1	165	2	112	45.1	37.8	0.1	3.1	1.65	0.08	0.96	138.5	47.38
Minimum Before (n=8)	45	665	-4	109	0	65	33.7	34.7	0.0	2.0	1.08	0.05	0.69	107.7	36.86
85th Percentile Before (n=8)	55	770	5	214	0	156	48.9	40.7	0.0	4.0	2.17	0.10	1.19	158.9	54.29
Maximum Before (n=8)	67	783	17	227	13	191	49.5	40.9	1.0	4.0	2.56	0.12	1.41	183.9	62.80
Std Dev Before (n=8)	7	48	7	48	5	44	5.4	2.6	0.4	0.8	0.48	0.02	0.23	24.2	8.22
Average After (n=8)	59	651	9	95	6	62	38.7	42.0	0.5	1.9	2.09	0.10	1.10	158.5	54.32
Minimum After (n=8)	46	584	-3	28	0	0	32.4	36.2	0.0	0.0	1.14	0.05	0.71	109.5	37.47
85th Percentile After (n=8)	66	699	16	142	13	110	43.1	46.4	1.0	3.0	2.59	0.12	1.34	185.7	63.61
Maximum After (n=8)	69	751	19	194	13	120	48.3	46.5	1.0	3.0	2.91	0.14	1.42	195.3	66.89
Std Dev After (n=8)	8	61	8	61	7	49	5.6	3.9	0.5	1.2	0.63	0.03	0.26	30.7	10.50
Difference	9	-70	9	-70	4	-50	-6.4	4.2	0.4	-1.3	0.43	0.02	0.14	20.0	6.94
Difference Minimum	1	-81	1	-81	0	-65	-1.3	1.5	0.0	-2.0	0.06	0.00	0.02	1.8	0.60
Difference															

85th Percentile	11	-71	11	-71	13	-47	-5.9	5.7	1.0	-1.0	0.42	0.02	0.15	26.8	9.32
Difference Maximum	3	-33	3	-33	0	-71	-1.2	5.6	0.0	-1.0	0.35	0.02	0.01	11.4	4.09
Std Dev Difference	*11*	*78*	*11*	*78*	*8*	*66*	*7.8*	*4.7*	*0.6*	*1.5*	*0.79*	*0.04*	*0.35*	*39.0*	*13.33*
% Difference	17%	-10%	1693%	-42%	265%	-44%	-14.2%	11.2%	300.0%	-40.0%	26.29%	29.44%	14.46%	14.4%	14.65%
to Moss Creek (#1)															
Average Before (n=8)	36	757	0	164	0	112	45.9	38.2	0.0	3.1	1.14	0.05	0.69	99.9	34.18
Minimum Before (n=8)	33	697	-4	105	0	65	42.3	35.2	0.0	2.0	0.75	0.03	0.52	80.5	27.54
85th Percentile Before (n=8)	39	809	2	216	0	156	48.6	41.0	0.0	4.0	1.44	0.07	0.76	109.6	37.45
Maximum Before (n=8)	39	817	3	224	0	191	50.3	41.3	0.0	4.0	1.63	0.07	0.93	124.8	42.66
Std Dev Before (n=8)	*3*	*49*	*3*	*49*	*0*	*44*	*3.3*	*2.5*	*0.0*	*0.8*	*0.30*	*0.01*	*0.14*	*15.4*	*5.27*
Average After (n=8)	40	691	3	98	0	62	41.6	42.0	0.0	1.9	1.61	0.08	0.88	121.2	41.48
Minimum After (n=8)	37	621	1	28	0	0	38.7	36.5	0.0	0.0	1.36	0.06	0.75	109.1	37.30
85th Percentile After (n=8)	41	737	5	145	0	110	43.4	46.0	0.0	3.0	1.93	0.09	1.04	137.6	47.03
Maximum After (n=8)	42	789	6	196	0	120	44.3	46.4	0.0	3.0	2.01	0.09	1.05	137.7	47.04
Std Dev After (n=8)	*2*	*61*	*2*	*61*	*0*	*49*	*1.9*	*3.7*	*0.0*	*1.2*	*0.25*	*0.01*	*0.11*	*11.0*	*3.73*
Difference	3	-67	3	-67	0	-50	-4.3	3.8	0.0	-1.3	0.47	0.02	0.19	21.3	7.30
Difference Minimum	4	-76	4	-76	0	-65	-3.6	1.2	0.0	-2.0	0.61	0.03	0.24	28.6	9.76
Difference 85th Percentile	2	-72	2	-72	0	-47	-5.3	5.0	0.0	-1.0	0.50	0.02	0.28	28.0	9.58
Difference Maximum	3	-28	3	-28	0	-71	-6.0	5.1	0.0	-1.0	0.38	0.02	0.12	12.9	4.38
Std Dev Difference	*3*	*78*	*3*	*78*	*0*	*66*	*3.8*	*4.4*	*0.0*	*1.5*	*0.39*	*0.02*	*0.18*	*19.0*	*6.46*
% Difference	10%	-9%	750%	-40%	N/D	-44%	-9.3%	10.0%	N/D	-40.0%	40.89%	43.14%	26.74%	21.3%	21.35%

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:51:52 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Travel Time from previous Node (seconds)

CTT:
Cumulative Travel Time since beginning of Run (seconds)

Delay:
Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Contents:

[-] Collapse All

[-] After-type Trip Log "Trip #15", Midday-period, started Tuesday 6/5/2018 11:16:41 AM ↑Contents

Entered artery 11:18:02 am (81 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	50.4	50.4	0	0	1.78	0.09	0.95	122.4	42.04
to Colleton River Road (#3)	59	92	9	5	8	8	37.8	42.3	1	1	1.48	0.09	0.86	133.1	45.90
to Sawmill Creek Road (#4)	35	127	2	7	0	8	42.8	42.5	0	1	2.00	0.09	1.08	138.6	47.34
to Trimblestone Road (#5)	53	181	-1	6	0	8	45.9	43.5	0	1	1.48	0.07	0.89	132.6	45.46
to Home Depot (#6)	88	269	54	60	44	53	17.6	35.0	1	2	1.34	0.06	0.74	120.4	41.36
to Crescent Drive (#7)	71	340	37	97	28	80	21.6	32.2	1	3	1.79	0.08	0.93	136.1	46.69
to Belfair Towne Village (#8)	101	441	43	140	33	113	25.8	30.7	1	4	2.97	0.14	1.49	214.3	73.40
to Belfair Plantation (#9)	69	510	5	145	0	113	51.0	33.5	0	4	3.54	0.16	1.96	255.5	87.27
to Rose Hill Way (#10)	47	557	1	146	0	113	54.0	35.2	0	4	1.95	0.09	1.16	156.4	53.46
to Bluffton Fire (#14)	73	630	-4	142	0	113	58.1	37.9	0	4	3.92	0.18	2.20	283.2	96.75
to Berkeley Hall (#12)	77	707	45	187	38	151	23.1	36.3	1	5	1.19	0.06	0.64	104.4	35.97
to Hampton Parkway (#13)	66	773	8	195	0	151	48.9	37.3	0	5	3.40	0.16	1.80	236.5	80.82

Entered artery 11:49:48 am (1988 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	40	40	3	3	0	0	41.8	41.8	0	0	1.65	0.07	0.99	133.6	45.61
to Colleton River Road (#3)	44	84	-6	-3	0	0	50.4	46.3	0	0	1.53	0.08	0.98	135.5	46.50
to Sawmill Creek Road (#4)	57	141	23	21	18	18	26.5	38.3	1	1	1.10	0.05	0.59	103.4	35.48
to Trimblestone Road (#5)	70	211	16	37	0	18	34.9	37.2	0	1	1.72	0.08	0.99	156.6	53.65
to Home Depot (#6)	37	248	2	39	0	18	42.4	37.9	0	1	1.61	0.07	0.93	124.4	42.49
to Crescent Drive (#7)	51	299	17	56	7	25	29.9	36.6	1	2	1.11	0.05	0.59	99.9	34.25
to Belfair Towne Village (#8)	64	363	6	62	0	25	40.8	37.3	0	2	8.60	0.17	1.61	187.6	67.76
to Belfair Plantation (#9)	67	430	3	65	0	25	52.3	39.6	0	2	5.77	0.17	1.80	223.7	78.07
to Rose Hill Way (#10)	55	485	9	74	0	25	46.5	40.4	0	2	1.60	0.08	0.94	139.4	47.79
to Bluffton Fire (#14)	84	569	7	81	0	25	50.5	41.9	0	2	3.13	0.15	1.88	259.5	88.77
to Berkeley Hall (#12)	82	650	50	130	35	60	21.7	39.4	1	3	1.20	0.06	0.62	108.9	37.39
to Hampton Parkway (#13)	65	715	6	137	0	60	50.0	40.3	0	3	3.47	0.17	1.78	232.7	79.61

Entered artery 12:25:24 pm (4123 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	51.2	51.2	0	0	1.26	0.06	0.78	105.6	36.05
to Colleton River Road (#3)	76	109	26	22	22	22	29.1	35.7	1	1	2.02	0.11	0.98	156.9	54.10
to Sawmill Creek Road (#4)	35	144	2	24	0	22	42.6	37.4	0	1	1.79	0.08	0.98	128.9	44.01
to Trimblestone Road (#5)	52	197	-2	22	0	22	46.8	39.9	0	1	1.44	0.07	0.84	128.0	43.85
to Home Depot (#6)	66	263	32	54	24	45	23.5	35.8	1	2	1.18	0.06	0.65	114.3	39.22
to Crescent Drive (#7)	78	341	44	98	33	79	19.6	32.0	1	3	1.68	0.08	0.88	135.2	46.38
to Belfair Towne Village (#8)	106	447	48	146	34	113	24.7	30.3	1	4	2.72	0.13	1.37	208.9	71.63
to Belfair Plantation (#9)	64	511	0	146	0	113	54.7	33.4	0	4	4.58	0.21	2.29	284.7	97.22
to Rose Hill Way (#10)	46	557	-1	146	0	113	56.0	35.2	0	4	1.56	0.07	0.98	137.0	46.85
to Bluffton Fire (#14)	79	635	2	148	0	113	53.7	37.5	0	4	2.98	0.14	1.84	251.8	86.12
to Berkeley Hall (#12)	83	719	51	199	40	153	21.4	35.6	1	5	1.35	0.07	0.65	109.1	37.47
to Hampton Parkway (#13)	63	782	5	203	0	153	51.3	36.9	0	5	3.39	0.16	1.76	229.1	78.34

Entered artery 12:56:48 pm (6007 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.0	43.0	0	0	2.14	0.10	1.18	151.3	51.65
to Colleton River Road (#3)	43	82	-7	-4	0	0	51.2	47.4	0	0	2.03	0.11	1.10	146.6	50.33
to Sawmill Creek Road (#4)	53	135	20	15	15	15	28.4	39.9	1	1	1.40	0.07	0.70	111.5	38.37
to Trimblestone Road (#5)	90	225	35	51	29	44	27.3	34.9	1	2	2.49	0.12	1.29	186.5	63.87
to Home Depot (#6)	35	260	0	51	0	44	44.7	36.2	0	2	1.93	0.09	1.01	130.2	44.51
to Crescent Drive (#7)	46	306	12	63	0	44	33.4	35.8	0	2	1.32	0.06	0.68	105.1	36.04
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Towne Village (#8)	95	401	37	100	22	66	27.5	33.8	1	3	1.79	0.08	1.02	168.3	57.72
to Belfair Plantation (#9)	70	471	6	106	0	66	50.0	36.2	0	3	3.20	0.14	1.87	247.6	84.57
to Rose Hill Way (#10)	47	517	1	106	0	66	54.7	37.9	0	3	2.05	0.10	1.18	158.2	54.09
to Bluffton Fire (#14)	88	605	11	117	5	72	48.5	39.4	1	4	3.41	0.17	1.92	263.7	90.40
to Berkeley Hall (#12)	50	655	18	135	0	72	35.4	39.1	0	4	2.19	0.10	1.15	156.8	53.73
to Hampton Parkway (#13)	67	722	8	143	0	72	48.5	40.0	0	4	3.30	0.15	1.76	233.0	79.66

[-] After-type Trip Log "Trip #18", Midday-period, started Wednesday 6/6/2018 11:18:14 AM ↑Contents

Entered artery 11:21:28 am (195 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.0	43.0	0	0	1.72	0.09	0.98	131.0	45.00
to Colleton River Road (#3)	43	82	-7	-5	0	0	51.5	47.5	0	0	1.53	0.08	0.95	130.9	44.97
to Sawmill Creek Road (#4)	50	132	16	12	11	11	30.4	41.0	1	1	1.33	0.07	0.67	106.7	36.63
to Trimblestone Road (#5)	85	217	31	43	25	36	28.8	36.2	1	2	2.45	0.12	1.27	185.3	63.50
to Home Depot (#6)	35	251	0	43	0	36	44.8	37.4	0	2	1.72	0.08	0.90	119.7	40.91
to Crescent Drive (#7)	31	283	-3	40	0	36	49.2	38.7	0	2	1.07	0.05	0.62	88.0	30.12
to Belfair Towne Village (#8)	83	365	25	64	21	56	31.5	37.1	1	3	2.12	0.10	1.17	182.9	62.78
to Belfair Plantation (#9)	72	438	8	73	0	56	48.6	39.0	0	3	2.51	0.11	1.50	211.0	72.12
to Rose Hill Way (#10)	52	490	6	79	0	56	48.9	40.0	0	3	2.10	0.10	1.15	158.0	54.06
to Bluffton Fire (#14)	75	565	-2	77	0	56	56.3	42.2	0	3	3.74	0.17	2.15	279.7	95.54
to Berkeley Hall (#12)	75	640	43	120	30	86	23.6	40.0	1	4	1.37	0.07	0.73	121.2	41.64
to Hampton Parkway (#13)	76	716	18	138	0	86	42.3	40.3	0	4	2.50	0.12	1.46	209.2	71.66

Entered artery 11:51:48 am (2014 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	2	2	0	0	43.4	43.4	0	0	2.12	0.10	1.14	147.1	50.24
to Colleton River Road (#3)	43	82	-7	-5	0	0	51.3	47.6	0	0	1.65	0.09	1.01	137.7	47.26
to Sawmill Creek Road (#4)	48	130	15	10	11	11	31.2	41.5	1	1	1.06	0.05	0.56	93.7	32.18
to Trimblestone Road (#5)	99	229	45	55	34	45	24.7	34.2	1	2	2.59	0.12	1.36	201.5	69.06
to Home Depot (#6)	95	324	60	115	54	99	16.3	29.0	1	3	1.97	0.09	1.03	148.1	50.85
to Crescent Drive (#7)	93	417	59	174	49	148	16.6	26.2	1	4	1.82	0.09	0.90	142.1	48.70
to Belfair Towne Village (#8)	71	488	13	187	5	152	36.6	27.7	1	5	2.55	0.12	1.38	196.7	67.29
to Belfair Plantation (#9)	68	556	4	191	0	152	51.7	30.7	0	5	3.51	0.16	1.97	255.6	87.28
to Rose Hill Way (#10)	48	604	2	193	0	152	52.9	32.4	0	5	1.83	0.09	1.03	143.0	48.98
to Bluffton Fire (#14)	75	679	-2	191	0	152	56.6	35.1	0	5	4.09	0.19	2.22	286.5	97.91
to Berkeley Hall (#12)	99	778	67	258	61	213	18.0	32.9	1	6	1.37	0.07	0.78	120.4	41.57
to Hampton Parkway (#13)	62	840	3	261	0	213	52.2	34.4	0	6	4.13	0.19	2.12	266.3	90.95

Entered artery 12:30:25 pm (4331 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	41	41	5	5	0	0	40.5	40.5	0	0	1.83	0.08	1.07	142.3	48.58
to Colleton River Road (#3)	46	87	-4	1	0	0	48.2	44.6	0	0	1.22	0.07	0.82	120.9	41.54
to Sawmill Creek Road (#4)	56	143	22	23	17	17	27.2	37.8	1	1	0.93	0.05	0.54	98.0	33.68
to Trimblestone Road (#5)	81	224	27	50	18	35	30.2	35.0	1	2	2.43	0.11	1.31	189.0	64.70
to Home Depot (#6)	37	261	3	52	0	35	41.5	36.0	0	2	1.71	0.08	0.99	130.9	44.67
to Crescent Drive (#7)	69	330	35	87	19	54	22.3	33.1	1	3	1.05	0.05	0.58	110.9	38.04
to Belfair Towne Village (#8)	64	394	7	94	0	54	40.5	34.3	0	3	3.83	0.15	1.51	196.9	68.06
to Belfair Plantation (#9)	75	470	11	105	0	54	46.5	36.3	0	3	2.67	0.13	1.41	203.3	69.62
to Rose Hill Way (#10)	49	519	3	108	0	54	51.8	37.8	0	3	2.23	0.10	1.30	172.5	58.91
to Bluffton Fire (#14)	77	597	1	109	0	54	54.7	40.0	0	3	3.16	0.15	1.90	256.5	87.69
to Berkeley Hall (#12)	87	684	55	164	43	97	20.5	37.5	1	4	1.27	0.06	0.71	115.5	39.72
to Hampton Parkway (#13)	70	753	11	175	0	97	46.4	38.3	0	4	3.48	0.16	1.83	241.1	82.59

Entered artery 1:00:55 pm (6162 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	2	2	0	0	43.5	43.5	0	0	2.40	0.11	1.26	158.9	54.25
to Colleton River Road (#3)	43	81	-7	-5	0	0	51.6	47.8	0	0	1.48	0.08	0.94	130.2	44.75
to Sawmill Creek Road (#4)	53	134	19	14	17	17	28.5	40.2	1	1	1.42	0.07	0.74	115.5	39.67
to Trimblestone Road (#5)	98	233	44	58	34	51	24.9	33.7	1	2	2.30	0.11	1.21	182.4	62.46
to Home Depot (#6)	38	270	3	61	0	51	41.1	34.8	0	2	1.55	0.07	0.93	125.0	42.69
to Crescent Drive (#7)	73	343	39	100	28	79	21.1	31.9	1	3	1.05	0.05	0.64	107.1	36.86
to Belfair Towne Village (#8)	60	403	3	102	0	79	43.2	33.6	0	3	2.44	0.11	1.34	185.1	63.26
to Belfair Plantation (#9)	73	476	9	111	0	79	48.3	35.8	0	3	2.88	0.14	1.61	221.9	76.00
to Rose Hill Way (#10)	49	525	3	114	0	79	52.5	37.4	0	3	2.20	0.10	1.27	169.1	57.78
to Bluffton Fire (#14)	77	602	0	114	0	79	54.9	39.6	0	3	3.01	0.14	1.80	246.1	84.17
to Berkeley Hall (#12)	73	675	41	155	21	100	24.3	37.9	1	4	1.58	0.08	0.77	134.1	46.06
to Hampton Parkway (#13)	73	748	15	170	0	100	44.2	38.6	0	4	3.16	0.15	1.70	231.4	79.26

[-] Before-type Trip Log "Trip #211:08:07 AM", Midday-period, started Monday 3/26/2018 11:08:05 AM ↑Contents

Entered artery 11:09:11 am (66 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	2	2	0	0	43.4	43.4	0	0	2.45	0.10	1.08	140.0	48.30
to Colleton River Road (#3)	47	86	-2	-1	0	0	46.8	45.3	0	0	0.98	0.06	0.57	95.1	32.81
to Sawmill Creek Road (#4)	32	118	-2	-2	0	0	47.3	45.8	0	0	1.68	0.07	0.95	122.5	41.79
to Trimblestone Road (#5)	81	199	27	25	16	16	30.1	39.4	1	1	1.39	0.06	0.78	142.4	48.78
to Home Depot (#6)	37	236	2	27	0	16	42.0	39.8	0	1	1.35	0.06	0.84	115.7	39.52

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Crescent Drive (#7)	45	281	11	38	0	16	34.0	38.9	0	1	0.76	0.04	0.43	78.6	26.99
to Belfair Towne Village (#8)	58	340	1	39	0	16	44.5	39.9	0	1	2.26	0.10	1.34	183.8	62.81
to Belfair Plantation (#9)	64	404	0	39	0	16	54.8	42.2	0	1	2.91	0.13	1.71	226.4	77.31
to Rose Hill Way (#10)	86	489	40	78	19	36	29.9	40.1	1	2	1.33	0.06	0.77	142.1	48.72
to Bluffton Fire (#14)	86	575	9	87	0	36	49.5	41.5	0	2	4.08	0.18	2.26	299.6	102.31
to Berkeley Hall (#12)	34	609	2	89	0	36	52.3	42.1	0	2	1.35	0.06	0.81	109.8	37.56
to Hampton Parkway (#13)	61	670	3	91	0	36	52.9	43.1	0	2	1.88	0.09	1.23	175.3	59.93

Entered artery 11:38:03 am (1799 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-4	-4	0	0	51.1	51.1	0	0	1.09	0.05	0.70	97.5	33.35
to Colleton River Road (#3)	111	144	61	57	67	67	20.0	27.1	1	1	1.57	0.10	0.95	135.8	47.20
to Sawmill Creek Road (#4)	35	179	2	59	0	67	42.8	30.2	0	1	6.86	0.14	1.35	144.9	52.12
to Trimblestone Road (#5)	49	229	-5	54	0	67	49.6	34.4	0	1	1.36	0.06	0.85	126.4	43.27
to Home Depot (#6)	35	264	1	55	0	67	43.7	35.6	0	1	9.07	0.16	1.36	129.6	48.42
to Crescent Drive (#7)	49	313	15	70	0	67	31.2	34.9	0	1	0.98	0.05	0.55	94.4	32.41
to Belfair Towne Village (#8)	213	526	155	225	151	218	12.2	25.7	1	2	2.36	0.11	1.31	245.9	84.31
to Belfair Plantation (#9)	71	597	7	232	0	218	49.4	28.6	0	2	3.26	0.15	1.85	245.8	83.99
to Rose Hill Way (#10)	66	663	20	252	0	218	38.7	29.6	0	2	1.37	0.06	0.80	133.0	45.55
to Bluffton Fire (#14)	87	751	10	263	0	218	48.5	31.8	0	2	3.41	0.15	2.10	285.7	97.54
to Berkeley Hall (#12)	36	786	3	266	0	218	50.0	32.6	0	2	0.83	0.04	0.58	88.4	30.21
to Hampton Parkway (#13)	64	850	6	272	0	218	50.4	33.9	0	2	1.96	0.09	1.28	182.8	62.47

Entered artery 12:11:17 pm (3793 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.1	43.1	0	0	2.02	0.09	1.13	146.5	50.01
to Colleton River Road (#3)	45	84	-5	-3	0	0	49.2	46.4	0	0	1.09	0.06	0.75	112.7	38.76
to Sawmill Creek Road (#4)	31	115	-2	-5	0	0	48.7	47.0	0	0	0.97	0.04	0.64	90.2	30.82
to Trimblestone Road (#5)	58	173	4	-2	0	0	42.2	45.4	0	0	1.18	0.06	0.77	124.4	42.74
to Home Depot (#6)	36	209	2	0	0	0	42.7	45.0	0	0	158.72	1.09	3.59	83.7	108.40
to Crescent Drive (#7)	38	247	4	4	0	0	39.9	44.2	0	0	0.86	0.04	0.51	81.6	27.93
to Belfair Towne Village (#8)	146	394	89	93	75	75	17.8	34.4	1	1	2.49	0.12	1.16	189.6	65.05
to Belfair Plantation (#9)	74	468	10	103	0	75	47.4	36.4	0	1	2.77	0.13	1.52	214.0	73.12
to Rose Hill Way (#10)	54	522	8	111	0	75	47.7	37.6	0	1	1.93	0.09	1.21	167.3	57.14
to Bluffton Fire (#14)	102	624	25	136	21	96	41.5	38.2	1	2	4.43	0.21	2.31	307.1	105.17
to Berkeley Hall (#12)	36	660	4	140	0	96	49.2	38.8	0	2	2.87	0.13	1.42	173.5	59.19
to Hampton Parkway (#13)	55	715	-3	137	0	96	58.3	40.4	0	2	2.70	0.12	1.57	204.4	69.83

Entered artery 12:40:49 pm (5564 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	43.8	43.8	0	0	1.80	0.08	1.06	138.7	47.35
to Colleton River Road (#3)	45	83	-5	-3	0	0	49.4	46.8	0	0	1.22	0.07	0.75	111.5	38.35
to Sawmill Creek Road (#4)	31	114	-2	-6	0	0	48.3	47.2	0	0	1.22	0.05	0.76	102.4	34.97
to Trimblestone Road (#5)	52	166	-3	-9	0	0	47.5	47.3	0	0	1.20	0.06	0.76	118.4	40.61
to Home Depot (#6)	38	204	4	-5	0	0	40.4	46.0	0	0	1.17	0.05	0.68	99.4	34.06
to Crescent Drive (#7)	33	237	-1	-6	0	0	46.7	46.1	0	0	0.87	0.04	0.57	84.4	28.89
to Belfair Towne Village (#8)	131	367	73	67	73	73	20.0	36.8	1	1	2.09	0.10	1.19	183.1	62.82
to Belfair Plantation (#9)	83	451	19	86	0	73	42.0	37.8	0	1	7.86	0.21	2.13	262.5	92.09
to Rose Hill Way (#10)	53	504	7	93	0	73	48.3	38.9	0	1	2.94	0.13	1.61	206.9	70.68
to Bluffton Fire (#14)	111	615	34	127	33	106	38.2	38.8	1	2	3.47	0.17	2.00	274.8	94.28
to Berkeley Hall (#12)	39	653	7	134	0	106	45.8	39.2	0	2	2.60	0.12	1.27	160.7	54.86
to Hampton Parkway (#13)	62	716	4	137	0	106	52.1	40.3	0	2	2.14	0.10	1.35	188.3	64.37

Entered artery 1:11:03 pm (7378 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	32	32	-4	-4	0	0	51.5	51.5	0	0	0.65	0.03	0.43	69.9	23.97
to Colleton River Road (#3)	45	77	-5	-9	0	0	49.4	50.3	0	0	1.21	0.07	0.81	118.6	40.78
to Sawmill Creek Road (#4)	84	161	51	41	41	41	18.0	33.4	1	1	1.43	0.07	0.70	110.9	38.06
to Trimblestone Road (#5)	74	236	20	61	0	41	33.1	33.3	0	1	1.71	0.08	0.91	150.0	51.37
to Home Depot (#6)	36	272	2	63	0	41	42.7	34.6	0	1	1.58	0.07	0.88	119.0	40.66
to Crescent Drive (#7)	43	314	8	71	0	41	36.1	34.8	0	1	1.00	0.05	0.57	91.3	31.35
to Belfair Towne Village (#8)	58	372	0	71	0	41	45.2	36.4	0	1	1.74	0.08	1.11	160.2	54.77
to Belfair Plantation (#9)	66	437	2	73	0	41	53.5	39.0	0	1	2.60	0.12	1.60	216.3	73.86
to Rose Hill Way (#10)	67	505	21	94	9	50	38.0	38.8	1	2	1.70	0.08	0.98	151.6	51.98
to Bluffton Fire (#14)	83	588	6	100	0	50	51.2	40.6	0	2	4.17	0.19	2.39	310.1	105.88
to Berkeley Hall (#12)	33	620	1	100	0	50	54.3	41.3	0	2	1.09	0.05	0.71	98.7	33.74
to Hampton Parkway (#13)	58	678	-1	99	0	50	56.3	42.6	0	2	2.48	0.12	1.44	193.1	66.03

[-] Before-type Trip Log "Trip #511:08:12 AM", Midday-period, started Tuesday 3/27/2018 11:08:11 AM

Entered artery 11:09:44 am (93 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.9	46.9	0	0	1.22	0.07	0.71	100.7	34.69
to Colleton River Road (#3)	44	79	-6	-7	0	0	50.9	49.1	0	0	1.43	0.08	0.86	122.3	42.06
to Sawmill Creek Road (#4)	34	113	0	-7	0	0	44.6	47.8	0	0	0.91	0.04	0.56	83.6	28.62
to Trimblestone Road (#5)	85	198	31	24	10	10	28.7	39.6	1	1	1.44	0.07	0.86	154.0	52.91
to Home Depot (#6)	35	234	1	25	0	10	43.8	40.2	0	1	355.92	1.97	5.47	-38.5	168.72
to Crescent															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Drive (#7)	85	319	51	76	37	48	18.1	34.3	1	2	1.09	0.05	0.55	102.1	35.08
to Belfair Towne Village (#8)	106	425	48	124	26	74	24.6	31.9	1	3	2.13	0.10	1.18	191.9	65.75
to Belfair Plantation (#9)	80	505	16	140	0	74	43.6	33.8	0	3	7.66	0.22	2.20	274.9	96.17
to Rose Hill Way (#10)	82	587	36	176	20	94	31.3	33.4	1	4	2.72	0.13	1.33	195.3	66.89
to Bluffton Fire (#14)	79	666	2	178	0	94	53.5	35.8	0	4	4.80	0.22	2.56	324.4	110.76
to Berkeley Hall (#12)	33	699	1	179	0	94	54.2	36.7	0	4	1.07	0.05	0.65	92.5	31.69
to Hampton Parkway (#13)	59	758	0	179	0	94	54.9	38.1	0	4	2.56	0.13	1.35	184.4	63.19

Entered artery 11:37:55 am (1784 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	49.9	49.9	0	0	0.97	0.04	0.63	91.1	31.17
to Colleton River Road (#3)	42	75	-8	-11	0	0	52.9	51.5	0	0	1.54	0.09	0.95	130.7	44.89
to Sawmill Creek Road (#4)	70	145	36	25	30	30	21.7	37.2	1	1	1.05	0.05	0.55	93.5	32.12
to Trimblestone Road (#5)	93	238	38	63	27	58	26.4	33.0	1	2	2.06	0.10	1.12	186.0	63.67
to Home Depot (#6)	36	274	1	65	0	58	42.8	34.3	0	2	18.23	0.26	1.71	154.5	60.86
to Crescent Drive (#7)	33	307	-1	64	0	58	46.8	35.6	0	2	0.81	0.04	0.53	80.5	27.56
to Belfair Towne Village (#8)	53	360	-4	59	0	58	48.8	37.6	0	2	1.74	0.08	1.05	150.0	51.29
to Belfair Plantation (#9)	62	422	-2	57	0	58	56.3	40.3	0	2	2.94	0.13	1.71	224.3	76.62
to Rose Hill Way (#10)	77	499	31	88	18	76	33.2	39.2	1	3	2.26	0.11	1.17	178.8	61.24
to Bluffton Fire (#14)	81	580	4	92	0	76	52.5	41.1	0	3	3.97	0.18	2.22	291.7	99.68
to Berkeley Hall (#12)	35	615	3	95	0	76	51.1	41.7	0	3	1.03	0.05	0.64	93.6	32.04
to Hampton Parkway (#13)	58	673	-1	94	0	76	56.1	42.9	0	3	2.73	0.13	1.58	207.2	70.80

Entered artery 12:08:36 pm (3625 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	2	2	0	0	43.5	43.5	0	0	2.06	0.09	1.11	143.6	49.06
to Colleton River Road (#3)	43	81	-7	-5	0	0	51.4	47.7	0	0	1.43	0.08	0.91	127.4	43.76
to Sawmill Creek Road (#4)	29	111	-4	-9	0	0	51.6	48.8	0	0	1.01	0.04	0.65	90.4	30.85
to Trimblestone Road (#5)	66	177	12	3	0	0	36.9	44.3	0	0	1.46	0.07	0.93	146.6	50.34
to Home Depot (#6)	38	215	3	6	0	0	41.0	43.7	0	0	1.20	0.05	0.75	107.7	36.79
to Crescent Drive (#7)	49	264	15	21	0	0	31.2	41.4	0	0	1.30	0.06	0.73	113.0	38.71
to Belfair Towne Village (#8)	145	409	87	108	74	74	18.0	33.1	1	1	2.29	0.11	1.24	195.4	66.95
to Belfair Plantation (#9)	73	482	9	117	0	74	47.9	35.4	0	1	2.83	0.13	1.62	223.7	76.46
to Rose Hill Way (#10)	84	566	38	155	29	103	30.4	34.6	1	2	2.14	0.11	1.18	170.0	58.43
to Bluffton Fire (#14)	81	647	4	159	0	103	52.6	36.9	0	2	4.71	0.21	2.52	321.9	109.93
to Berkeley Hall (#12)	34	681	2	161	0	103	52.2	37.6	0	2	0.76	0.04	0.52	81.2	27.80
to Hampton Parkway (#13)	61	742	3	163	0	103	52.8	38.9	0	2	2.31	0.11	1.41	193.5	66.13

Entered artery 12:40:56 pm (5566 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	46.9	46.9	0	0	1.58	0.07	0.88	118.2	40.38
to Colleton River Road (#3)	44	79	-6	-7	0	0	50.7	49.0	0	0	1.32	0.07	0.82	118.3	40.73
to Sawmill Creek Road (#4)	30	109	-3	-10	0	0	50.0	49.3	0	0	1.02	0.05	0.65	90.5	30.90
to Trimblestone Road (#5)	53	162	-2	-12	0	0	46.4	48.4	0	0	1.27	0.06	0.79	123.0	42.08
to Home Depot (#6)	34	197	0	-12	0	0	45.2	47.8	0	0	1.00	0.04	0.64	93.2	31.85
to Crescent Drive (#7)	85	281	51	38	33	33	18.1	38.9	1	1	1.09	0.05	0.57	105.5	36.25
to Belfair Towne Village (#8)	95	376	37	75	20	53	27.5	36.0	1	2	8.46	0.18	1.67	210.1	75.08
to Belfair Plantation (#9)	87	463	23	98	5	58	40.4	36.8	1	3	3.72	0.17	1.99	271.2	92.74
to Rose Hill Way (#10)	87	549	40	138	28	86	29.5	35.7	1	4	2.35	0.11	1.28	185.2	63.49
to Bluffton Fire (#14)	79	628	2	140	0	86	53.6	37.9	0	4	5.37	0.21	2.49	311.1	106.81
to Berkeley Hall (#12)	33	661	0	141	0	86	54.6	38.8	0	4	1.18	0.05	0.73	100.6	34.37
to Hampton Parkway (#13)	60	721	1	142	0	86	53.9	40.0	0	4	2.50	0.11	1.50	201.1	68.71

Entered artery 1:10:16 pm (7325 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	42	42	6	6	0	0	39.5	39.5	0	0	1.47	0.07	0.91	127.1	43.45
to Colleton River Road (#3)	44	86	-6	0	0	0	50.1	44.9	0	0	1.73	0.10	0.97	133.6	45.94
to Sawmill Creek Road (#4)	29	115	-4	-5	0	0	52.1	46.7	0	0	1.03	0.07	0.64	87.2	30.14
to Trimblestone Road (#5)	58	174	4	-1	0	0	42.1	45.2	0	0	1.41	0.07	0.87	134.4	46.11
to Home Depot (#6)	35	208	0	-1	0	0	44.7	45.1	0	0	3.25	0.09	0.79	98.0	34.58
to Crescent Drive (#7)	65	274	31	31	22	22	23.5	39.9	1	1	1.14	0.05	0.64	105.6	36.23
to Belfair Towne Village (#8)	111	385	53	84	47	69	23.4	35.2	1	2	2.48	0.11	1.38	204.4	69.97
to Belfair Plantation (#9)	68	453	4	88	0	69	51.5	37.6	0	2	3.47	0.16	1.95	253.3	86.49
to Rose Hill Way (#10)	48	501	2	90	0	69	53.2	39.1	0	2	2.16	0.10	1.19	159.3	54.51
to Bluffton Fire (#14)	107	608	30	120	24	93	39.8	39.2	1	3	3.07	0.15	1.78	252.6	86.54
to Berkeley Hall (#12)	39	647	7	127	0	93	45.1	39.6	0	3	2.80	0.13	1.42	175.9	60.03
to Hampton Parkway (#13)	59	706	1	128	0	93	54.7	40.9	0	3	2.17	0.10	1.33	183.9	62.88

Cumulative Reports

[-] After-type Trip Log "Trip #15", Midday-period, started Tuesday 6/5/2018 11:16:41 AM ↑Contents

**Entered artery 11:18:02 am (81 seconds)
traveling Westbound from Moss Creek (#1)**

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	773	195	151	37.3	5
to Hampton Parkway (#13)	715	137	60	40.3	3
to Hampton Parkway (#13)	782	203	153	36.9	5
to Hampton Parkway (#13)	722	143	72	40.0	4

[-] After-type Trip Log "Trip #18", Midday-period, started Wednesday 6/6/2018 11:18:14 AM ↑Contents

Entered artery 11:21:28 am (195 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	716	138	86	40.3	4
to Hampton Parkway (#13)	840	261	213	34.4	6
to Hampton Parkway (#13)	753	175	97	38.3	4
to Hampton Parkway (#13)	748	170	100	38.6	4

[-] Before-type Trip Log "Trip #211:08:07 AM", Midday-period, started Monday 3/26/2018 11:08:05 AM ↑Contents

Entered artery 11:09:11 am (66 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	670	91	36	43.1	2
to Hampton Parkway (#13)	850	272	218	33.9	2
to Hampton Parkway (#13)	715	137	96	40.4	2
to Hampton Parkway (#13)	716	137	106	40.3	2
to Hampton Parkway (#13)	678	99	50	42.6	2

[-] Before-type Trip Log "Trip #511:08:12 AM", Midday-period, started Tuesday 3/27/2018 11:08:11 AM ↑Contents

Entered artery 11:09:44 am (93 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	758	179	94	38.1	4
to Hampton Parkway (#13)	673	94	76	42.9	3
to Hampton Parkway (#13)	742	163	103	38.9	2
to Hampton Parkway (#13)	721	142	86	40.0	4
to Hampton Parkway (#13)	706	128	93	40.9	3

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:51:52 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Summarized Travel Time from previous Node (seconds)

CTT:
Summarized Cumulative Travel Time since beginning of Run (seconds)

Delay:
Summarized Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Summarized Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Summarized Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Summarized Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Summarized Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Summarized Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Summarized Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Summarized Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Summarized Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Summary of runs Westbound from Moss Creek (#1)

10 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 11:09:11 AM to 1:11:03 PM
8 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 11:18:02 AM to 1:00:55 PM

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)															
Average Before (n=10)	37	37	0	0	0	0	46.0	46.0	0.0	0.0	1.53	0.07	0.86	117.3	40.17
Minimum Before (n=10)	32	32	-4	-4	0	0	39.5	39.5	0.0	0.0	0.65	0.03	0.43	69.9	23.97
85th Percentile Before (n=10)	39	39	2	2	0	0	51.1	51.1	0.0	0.0	2.06	0.09	1.11	143.6	49.06
Maximum Before (n=10)	42	42	6	6	0	0	51.5	51.5	0.0	0.0	2.45	0.10	1.13	146.5	50.01
Std Dev Before (n=10)	*3*	*3*	*3*	*3*	*0*	*0*	*4.0*	*4.0*	*0.0*	*0.0*	*0.56*	*0.02*	*0.24*	*26.3*	*8.97*
Average After (n=8)	38	38	1	1	0	0	44.6	44.6	0.0	0.0	1.86	0.09	1.04	136.5	46.68
Minimum After (n=8)	33	33	-4	-4	0	0	40.5	40.5	0.0	0.0	1.26	0.06	0.78	105.6	36.05
85th Percentile After (n=8)	40	40	3	3	0	0	50.4	50.4	0.0	0.0	2.14	0.10	1.18	151.3	51.65
Maximum After (n=8)	41	41	5	5	0	0	51.2	51.2	0.0	0.0	2.40	0.11	1.26	158.9	54.25
Std Dev After (n=8)	*3*	*3*	*3*	*3*	*0*	*0*	*3.9*	*3.9*	*0.0*	*0.0*	*0.35*	*0.02*	*0.15*	*17.2*	*5.82*
Difference	1	1	1	1	0	0	-1.4	-1.4	0.0	0.0	0.33	0.02	0.18	19.2	6.51
Difference Minimum	0	0	0	0	0	0	1.1	1.1	0.0	0.0	0.60	0.02	0.34	35.7	12.09
Difference 85th Percentile	1	1	1	1	0	0	-0.7	-0.7	0.0	0.0	0.08	0.01	0.07	7.7	2.59
Difference Maximum	-1	-1	-1	-1	0	0	-0.4	-0.4	0.0	0.0	-0.04	0.01	0.13	12.4	4.24

Std Dev Difference	*4*	*4*	*4*	*4*	*0*	*0*	*5.6*	*5.6*	*0.0*	*0.0*	*0.66*	*0.03*	*0.28*	*31.4*	*10.69*
% Difference	3%	3%	1327%	1327%	N/D	N/D	-2.9%	-2.9%	N/D	N/D	21.62%	25.09%	20.68%	16.4%	16.20%

to Colleton River Road (#3)

Average Before (n=10)	51	88	1	1	7	7	47.1	45.8	0.1	0.1	1.35	0.08	0.83	120.6	41.53
Minimum Before (n=10)	42	75	-8	-11	0	0	20.0	27.1	0.0	0.0	0.98	0.06	0.57	95.1	32.81
85th Percentile Before (n=10)	47	86	-2	0	0	0	51.4	50.3	0.0	0.0	1.57	0.10	0.95	133.6	45.94
Maximum Before (n=10)	111	144	61	57	67	67	52.9	51.5	1.0	1.0	1.73	0.10	0.97	135.8	47.20
Std Dev Before (n=10)	*21*	*20*	*21*	*20*	*21*	*21*	*9.6*	*6.9*	*0.3*	*0.3*	*0.23*	*0.01*	*0.12*	*12.3*	*4.26*
Average After (n=8)	50	87	0	1	4	4	46.4	44.9	0.3	0.3	1.62	0.09	0.96	136.5	46.92
Minimum After (n=8)	43	81	-7	-5	0	0	29.1	35.7	0.0	0.0	1.22	0.07	0.82	120.9	41.54
85th Percentile After (n=8)	59	92	9	5	8	8	51.5	47.6	1.0	1.0	2.02	0.11	1.01	146.6	50.33
Maximum After (n=8)	76	109	26	22	22	22	51.6	47.8	1.0	1.0	2.03	0.11	1.10	156.9	54.10
Std Dev After (n=8)	*12*	*9*	*12*	*9*	*8*	*8*	*8.4*	*4.2*	*0.5*	*0.5*	*0.28*	*0.01*	*0.09*	*11.0*	*3.82*
Difference	-1	0	-1	0	-3	-3	-0.7	-0.9	0.2	0.2	0.27	0.01	0.12	15.9	5.39
Difference Minimum	1	6	1	6	0	0	9.1	8.7	0.0	0.0	0.24	0.01	0.25	25.8	8.73
Difference 85th Percentile	11	6	11	6	8	8	0.0	-2.7	1.0	1.0	0.45	0.01	0.06	13.0	4.39
Difference Maximum	-35	-35	-35	-35	-46	-46	-1.3	-3.7	0.0	0.0	0.30	0.01	0.13	21.1	6.90
Std Dev Difference	*24*	*22*	*24*	*22*	*23*	*23*	*12.8*	*8.1*	*0.6*	*0.6*	*0.36*	*0.02*	*0.15*	*16.5*	*5.72*
% Difference	-2%	0%	-111%	-16%	-44%	-44%	-1.4%	-2.0%	150.0%	150.0%	19.60%	12.82%	14.68%	13.2%	12.98%

to Sawmill Creek Road (#4)

Average Before (n=10)	41	128	7	8	7	14	42.5	43.3	0.2	0.3	1.72	0.06	0.74	101.6	35.04
Minimum Before (n=10)	29	109	-4	-10	0	0	18.0	30.2	0.0	0.0	0.91	0.04	0.55	83.6	28.62
85th Percentile Before (n=10)	70	161	36	41	30	41	51.6	48.8	1.0	1.0	1.68	0.07	0.95	122.5	41.79
Maximum Before (n=10)	84	179	51	59	41	67	52.1	49.3	1.0	1.0	6.86	0.14	1.35	144.9	52.12
Std Dev Before (n=10)	*20*	*25*	*20*	*25*	*15*	*24*	*12.3*	*7.0*	*0.4*	*0.5*	*1.82*	*0.03*	*0.24*	*19.4*	*7.25*
Average After (n=8)	48	136	15	16	11	15	32.2	39.8	0.8	1.0	1.38	0.07	0.73	112.0	38.42
Minimum After (n=8)	35	127	2	7	0	8	26.5	37.4	0.0	1.0	0.93	0.05	0.54	93.7	32.18
85th Percentile After (n=8)	56	143	22	23	17	18	42.6	41.5	1.0	1.0	1.79	0.08	0.98	128.9	44.01
Maximum After (n=8)	57	144	23	24	18	22	42.8	42.5	1.0	1.0	2.00	0.09	1.08	138.6	47.34
Std Dev After (n=8)	*9*	*6*	*9*	*6*	*7*	*5*	*6.7*	*1.8*	*0.5*	*0.0*	*0.37*	*0.02*	*0.20*	*15.3*	*5.15*
Difference	8	8	8	8	4	1	-10.3	-3.5	0.5	0.7	-0.34	0.00	-0.01	10.4	3.38
Difference Minimum	6	18	6	18	0	8	8.5	7.3	0.0	1.0	0.01	0.00	0.00	10.1	3.57
Difference 85th Percentile	-14	-19	-14	-19	-13	-23	-9.0	-7.3	0.0	0.0	0.11	0.01	0.04	6.4	2.22
Difference Maximum	-27	-35	-27	-35	-23	-46	-9.3	-6.8	0.0	0.0	-4.86	-0.05	-0.26	-6.3	-4.78
Std Dev Difference	*21*	*26*	*21*	*26*	*17*	*24*	*14.0*	*7.2*	*0.6*	*0.5*	*1.86*	*0.03*	*0.31*	*24.7*	*8.89*
% Difference	19%	6%	111%	94%	56%	8%	-24.2%	-8.1%	275.0%	233.3%	-19.72%	4.43%	-1.28%	10.3%	9.64%

to Trimblestone Road (#5)

Average Before (n=10)	67	195	13	21	5	19	38.3	41.0	0.3	0.6	1.45	0.07	0.86	140.6	48.19
Minimum Before (n=10)	49	162	-5	-12	0	0	26.4	33.0	0.0	0.0	1.18	0.06	0.76	118.4	40.61
85th Percentile Before (n=10)	85	236	31	61	16	58	47.5	47.3	1.0	1.0	1.71	0.08	0.93	154.0	52.91
Maximum Before (n=10)	93	238	38	63	27	67	49.6	48.4	1.0	2.0	2.06	0.10	1.12	186.0	63.67
Std Dev Before (n=10)	16	29	16	29	10	26	8.4	5.9	0.5	0.7	0.26	0.01	0.11	20.2	6.91
Average After (n=8)	79	215	24	40	17	32	32.9	36.8	0.6	1.6	2.11	0.10	1.15	170.2	58.32
Minimum After (n=8)	52	181	-2	6	0	8	24.7	33.7	0.0	1.0	1.44	0.07	0.84	128.0	43.85
85th Percentile After (n=8)	98	229	44	55	34	45	45.9	39.9	1.0	2.0	2.49	0.12	1.31	189.0	64.70
Maximum After (n=8)	99	233	45	58	34	51	46.8	43.5	1.0	2.0	2.59	0.12	1.36	201.5	69.06
Std Dev After (n=8)	18	18	18	18	15	15	8.9	3.3	0.5	0.5	0.48	0.02	0.21	27.6	9.47
Difference	12	19	12	19	12	13	-5.4	-4.2	0.3	1.0	0.67	0.03	0.28	29.7	10.13
Difference Minimum	3	18	3	18	0	8	-1.7	0.7	0.0	1.0	0.26	0.01	0.08	9.6	3.24
Difference 85th Percentile	13	-6	13	-6	18	-13	-1.6	-7.4	0.0	1.0	0.79	0.04	0.38	35.0	11.79
Difference Maximum	6	-5	6	-5	7	-16	-2.8	-4.9	0.0	0.0	0.53	0.02	0.24	15.6	5.39
Std Dev Difference	24	34	24	34	18	30	12.2	6.8	0.7	0.9	0.55	0.02	0.23	34.2	11.72
% Difference	18%	10%	93%	94%	223%	68%	-14.1%	-10.2%	108.3%	170.8%	46.07%	43.68%	32.63%	21.1%	21.02%
to Home Depot (#6)															
Average Before (n=10)	36	231	2	22	0	19	42.9	41.2	0.0	0.6	55.15	0.39	1.67	96.2	60.39
Minimum Before (n=10)	34	197	0	-12	0	0	40.4	34.3	0.0	0.0	1.00	0.04	0.64	-38.5	31.85
85th Percentile Before (n=10)	38	272	3	63	0	58	44.7	46.0	0.0	1.0	158.72	1.09	3.59	129.6	108.40
Maximum Before (n=10)	38	274	4	65	0	67	45.2	47.8	0.0	2.0	355.92	1.97	5.47	154.5	168.72
Std Dev Before (n=10)	1	29	1	29	0	26	1.5	5.0	0.0	0.7	116.38	0.64	1.60	51.5	44.40
Average After (n=8)	54	268	19	59	15	48	34.0	35.2	0.4	2.0	1.63	0.07	0.90	126.6	43.34
Minimum After (n=8)	35	248	0	39	0	18	16.3	29.0	0.0	1.0	1.18	0.06	0.65	114.3	39.22
85th Percentile After (n=8)	88	270	54	61	44	53	44.7	37.4	1.0	2.0	1.93	0.09	1.01	130.9	44.67
Maximum After (n=8)	95	324	60	115	54	99	44.8	37.9	1.0	3.0	1.97	0.09	1.03	148.1	50.85
Std Dev After (n=8)	26	24	26	24	23	24	12.6	2.7	0.5	0.5	0.27	0.01	0.13	10.3	3.53
Difference	18	37	18	37	15	28	-8.9	-6.0	0.4	1.4	-53.52	-0.31	-0.77	30.4	-17.05
Difference Minimum	0	51	0	51	0	18	-24.1	-5.3	0.0	1.0	0.18	0.01	0.01	152.9	7.37
Difference 85th Percentile	50	-2	50	-2	44	-5	0.0	-8.6	1.0	1.0	-156.79	-1.00	-2.58	1.3	-63.72
Difference Maximum	57	50	57	50	54	32	-0.4	-9.9	1.0	1.0	-353.95	-1.88	-4.44	-6.3	-117.87
Std Dev Difference	26	38	26	38	23	35	12.6	5.7	0.5	0.9	116.38	0.64	1.61	52.5	44.54
% Difference	49%	16%	1155%	166%	N/D	148%	-20.8%	-14.5%	N/D	233.3%	-97.05%	-80.57%	-46.32%	31.6%	-28.23%
to Crescent Drive (#7)															
Average Before (n=10)	52	284	18	41	9	28	32.6	38.9	0.3	0.9	0.99	0.05	0.57	93.7	32.14
Minimum Before (n=10)	33	237	-1	-6	0	0	18.1	34.3	0.0	0.0	0.76	0.04	0.43	78.6	26.99

85th Percentile Before (n=10)	85	314	51	71	33	58	46.7	44.2	1.0	2.0	1.14	0.05	0.64	105.6	36.25
Maximum Before (n=10)	85	319	51	76	37	67	46.8	46.1	1.0	2.0	1.30	0.06	0.73	113.0	38.71
Std Dev Before (n=10)	19	29	19	29	15	25	10.4	4.1	0.5	0.7	0.17	0.01	0.08	12.3	4.24
Average After (n=8)	64	332	30	89	20	68	26.7	33.3	0.8	2.7	1.36	0.06	0.73	115.5	39.63
Minimum After (n=8)	31	283	-3	40	0	25	16.6	26.2	0.0	2.0	1.05	0.05	0.58	88.0	30.12
85th Percentile After (n=8)	78	343	44	100	33	80	33.4	36.6	1.0	3.0	1.79	0.08	0.90	136.1	46.69
Maximum After (n=8)	93	417	59	174	49	148	49.2	38.7	1.0	4.0	1.82	0.09	0.93	142.1	48.70
Std Dev After (n=8)	20	41	20	41	17	39	10.6	3.8	0.5	0.7	0.35	0.02	0.15	19.7	6.76
Difference	12	49	12	49	11	40	-5.9	-5.6	0.5	1.8	0.37	0.02	0.16	21.8	7.50
Difference Minimum	-2	46	-2	46	0	25	-1.5	-8.1	0.0	2.0	0.29	0.01	0.15	9.4	3.12
Difference 85th Percentile	-6	29	-6	29	1	22	-13.3	-7.6	0.0	1.0	0.66	0.03	0.26	30.4	10.43
Difference Maximum	8	98	8	98	11	81	2.5	-7.4	0.0	2.0	0.52	0.02	0.20	29.1	9.99
Std Dev Difference	28	50	28	50	23	46	14.9	5.6	0.7	1.0	0.39	0.02	0.17	23.3	7.98
% Difference	22%	17%	63%	119%	123%	140%	-18.0%	-14.4%	150.0%	205.6%	37.42%	37.50%	28.71%	23.3%	23.32%
to Belfair Towne Village (#8)															
Average Before (n=10)	112	395	54	94	47	75	28.2	34.7	0.7	1.6	2.80	0.11	1.26	191.4	65.88
Minimum Before (n=10)	53	340	-4	39	0	16	12.2	25.7	0.0	1.0	1.74	0.08	1.05	150.0	51.29
85th Percentile Before (n=10)	146	425	89	124	75	75	45.2	37.6	1.0	2.0	2.49	0.12	1.38	210.1	75.08
Maximum Before (n=10)	213	526	155	225	151	218	48.8	39.9	1.0	3.0	8.46	0.18	1.67	245.9	84.31
Std Dev Before (n=10)	50	52	50	52	48	54	13.1	3.9	0.5	0.7	2.00	0.03	0.18	26.5	9.42
Average After (n=8)	81	413	23	112	14	82	33.8	33.1	0.6	3.4	3.38	0.13	1.36	192.6	66.49
Minimum After (n=8)	60	363	3	62	0	25	24.7	27.7	0.0	2.0	1.79	0.08	1.02	168.3	57.72
85th Percentile After (n=8)	101	447	43	146	33	113	40.8	37.1	1.0	4.0	3.83	0.15	1.51	208.9	71.63
Maximum After (n=8)	106	488	48	187	34	152	43.2	37.3	1.0	5.0	8.60	0.17	1.61	214.3	73.40
Std Dev After (n=8)	18	43	18	43	15	41	7.4	3.3	0.5	0.9	2.20	0.03	0.19	14.8	5.07
Difference	-31	17	-31	17	-32	7	5.6	-1.6	-0.1	1.8	0.57	0.02	0.10	1.1	0.61
Difference Minimum	7	23	7	23	0	9	12.4	2.0	0.0	1.0	0.05	0.00	-0.02	18.4	6.43
Difference 85th Percentile	-45	22	-45	22	-43	38	-4.4	-0.5	0.0	2.0	1.34	0.03	0.13	-1.2	-3.46
Difference Maximum	-107	-38	-107	-38	-117	-66	-5.6	-2.5	0.0	2.0	0.14	-0.01	-0.05	-31.6	-10.90
Std Dev Difference	53	67	53	67	50	68	15.1	5.1	0.7	1.2	2.97	0.04	0.26	30.4	10.69
% Difference	-28%	4%	-58%	18%	-69%	10%	19.9%	-4.6%	-10.7%	110.9%	20.42%	14.63%	7.80%	0.6%	0.92%
to Belfair Plantation (#9)															
Average Before (n=10)	73	468	9	103	1	76	48.7	36.8	0.1	1.7	4.00	0.15	1.83	241.2	82.89
Minimum Before (n=10)	62	404	-2	39	0	16	40.4	28.6	0.0	1.0	2.60	0.12	1.52	214.0	73.12
85th Percentile Before (n=10)	83	505	19	140	0	75	54.8	40.3	0.0	3.0	7.66	0.21	2.13	271.2	92.74
Maximum Before	87	597	23	232	5	218	56.3	42.2	1.0	3.0	7.86	0.22	2.20	274.9	96.17

(n=10)															
Std Dev Before (n=10)	*8*	*54*	*8*	*54*	*2*	*53*	*5.5*	*3.8*	*0.3*	*0.8*	*2.01*	*0.03*	*0.23*	*23.2*	*8.57*
Average After (n=8)	70	483	6	118	0	82	50.4	35.5	0.0	3.4	3.58	0.15	1.80	237.9	81.52
Minimum After (n=8)	64	430	0	65	0	25	46.5	30.7	0.0	2.0	2.51	0.11	1.41	203.3	69.62
85th Percentile After (n=8)	73	511	9	146	0	113	52.3	39.0	0.0	4.0	4.58	0.17	1.97	255.6	87.28
Maximum After (n=8)	75	556	11	191	0	152	54.7	39.6	0.0	5.0	5.77	0.21	2.29	284.7	97.22
Std Dev After (n=8)	*4*	*41*	*4*	*41*	*0*	*41*	*2.6*	*3.0*	*0.0*	*0.9*	*1.10*	*0.03*	*0.29*	*27.5*	*9.21*
Difference	-3	14	-3	14	-1	7	1.7	-1.2	-0.1	1.7	-0.42	0.00	-0.03	-3.3	-1.37
Difference Minimum	2	26	2	26	0	9	6.1	2.1	0.0	1.0	-0.09	0.00	-0.11	-10.7	-3.50
Difference 85th Percentile	-11	6	-11	6	0	38	-2.5	-1.4	0.0	1.0	-3.07	-0.03	-0.16	-15.6	-5.47
Difference Maximum	-11	-42	-11	-42	-5	-66	-1.7	-2.6	-1.0	2.0	-2.09	0.00	0.09	9.8	1.05
Std Dev Difference	*9*	*68*	*9*	*68*	*2*	*67*	*6.0*	*4.8*	*0.3*	*1.2*	*2.29*	*0.05*	*0.37*	*35.9*	*12.58*
% Difference	-4%	3%	-35%	14%	-100%	9%	3.5%	-3.4%	-100.0%	98.5%	-10.45%	-0.09%	-1.37%	-1.4%	-1.65%
to Rose Hill Way (#10)															
Average Before (n=10)	70	539	24	128	12	88	38.0	36.7	0.6	2.3	2.09	0.10	1.15	169.0	57.86
Minimum Before (n=10)	48	489	2	78	0	36	29.5	29.6	0.0	1.0	1.33	0.06	0.77	133.0	45.55
85th Percentile Before (n=10)	86	587	40	176	28	103	48.3	39.2	1.0	4.0	2.72	0.13	1.33	195.3	66.89
Maximum Before (n=10)	87	663	40	252	29	218	53.2	40.1	1.0	4.0	2.94	0.13	1.61	206.9	70.68
Std Dev Before (n=10)	*15*	*55*	*15*	*55*	*12*	*50*	*8.8*	*3.3*	*0.5*	*1.1*	*0.53*	*0.02*	*0.25*	*23.4*	*7.96*
Average After (n=8)	49	532	3	121	0	82	52.2	37.0	0.0	3.4	1.94	0.09	1.13	154.2	52.74
Minimum After (n=8)	46	485	-1	74	0	25	46.5	32.4	0.0	2.0	1.56	0.07	0.94	137.0	46.85
85th Percentile After (n=8)	52	557	6	146	0	113	54.7	40.0	0.0	4.0	2.20	0.10	1.27	169.1	57.78
Maximum After (n=8)	55	604	9	193	0	152	56.0	40.4	0.0	5.0	2.23	0.10	1.30	172.5	58.91
Std Dev After (n=8)	*3*	*39*	*3*	*39*	*0*	*41*	*3.1*	*2.7*	*0.0*	*0.9*	*0.26*	*0.01*	*0.13*	*13.3*	*4.49*
Difference	-21	-7	-21	-7	-12	-6	14.2	0.3	-0.6	1.1	-0.15	-0.01	-0.03	-14.8	-5.12
Difference Minimum	-2	-4	-2	-4	0	-11	17.0	2.9	0.0	1.0	0.22	0.01	0.17	4.0	1.30
Difference 85th Percentile	-34	-30	-34	-30	-28	10	6.4	0.8	-1.0	0.0	-0.52	-0.03	-0.05	-26.2	-9.11
Difference Maximum	-32	-59	-32	-59	-29	-66	2.8	0.4	-1.0	1.0	-0.71	-0.03	-0.31	-34.4	-11.77
Std Dev Difference	*15*	*67*	*15*	*67*	*12*	*65*	*9.3*	*4.3*	*0.5*	*1.4*	*0.59*	*0.03*	*0.28*	*26.9*	*9.14*
% Difference	-30%	-1%	-88%	-5%	-100%	-6%	37.2%	0.9%	-100.0%	46.7%	-7.23%	-8.07%	-2.20%	-8.7%	-8.85%
to Bluffton Fire (#14)															
Average Before (n=10)	90	628	13	140	8	96	48.1	38.2	0.3	2.6	4.15	0.19	2.26	297.9	101.89
Minimum Before (n=10)	79	575	2	87	0	36	38.2	31.8	0.0	2.0	3.07	0.15	1.78	252.6	86.54
85th Percentile Before (n=10)	107	666	30	178	24	106	53.5	41.1	1.0	4.0	4.80	0.21	2.52	321.9	109.93
Maximum Before (n=10)	111	751	34	263	33	218	53.6	41.5	1.0	4.0	5.37	0.22	2.56	324.4	110.76
Std Dev Before (n=10)	*12*	*52*	*12*	*52*	*13*	*49*	*6.0*	*2.9*	*0.5*	*0.8*	*0.71*	*0.03*	*0.25*	*22.3*	*7.54*
Average After (n=8)	79	610	2	122	1	83	54.2	39.2	0.1	3.5	3.43	0.16	1.99	265.9	90.92

Minimum After (n=8)	73	565	-4	77	0	25	48.5	35.1	0.0	2.0	2.98	0.14	1.80	246.1	84.17
85th Percentile After (n=8)	84	635	7	148	0	113	56.6	41.9	0.0	4.0	3.92	0.18	2.20	283.2	96.75
Maximum After (n=8)	88	679	11	191	5	152	58.1	42.2	1.0	5.0	4.09	0.19	2.22	286.5	97.91
Std Dev After (n=8)	*5*	*37*	*5*	*37*	*2*	*41*	*3.2*	*2.3*	*0.4*	*0.9*	*0.43*	*0.02*	*0.17*	*15.3*	*5.18*
Difference	-11	-18	-11	-18	-7	-13	6.1	1.0	-0.2	0.9	-0.72	-0.03	-0.28	-32.0	-10.97
Difference Minimum	-6	-10	-6	-10	0	-11	10.2	3.3	0.0	0.0	-0.08	-0.01	0.02	-6.5	-2.37
Difference 85th Percentile	-23	-31	-23	-31	-24	7	3.2	0.8	-1.0	0.0	-0.88	-0.03	-0.32	-38.7	-13.18
Difference Maximum	-24	-72	-24	-72	-27	-66	4.5	0.7	0.0	1.0	-1.29	-0.03	-0.34	-37.9	-12.86
Std Dev Difference	*13*	*64*	*13*	*64*	*13*	*64*	*6.8*	*3.7*	*0.6*	*1.3*	*0.83*	*0.03*	*0.30*	*27.0*	*9.15*
% Difference	-12%	-3%	-87%	-13%	-92%	-13%	12.6%	2.7%	-58.3%	34.6%	-17.30%	-14.38%	-12.15%	-10.7%	-10.77%
to Berkeley Hall (#12)															
Average Before (n=10)	35	663	3	143	0	96	50.9	38.8	0.0	2.6	1.56	0.07	0.87	117.5	40.15
Minimum Before (n=10)	33	609	0	89	0	36	45.1	32.6	0.0	2.0	0.76	0.04	0.52	81.2	27.80
85th Percentile Before (n=10)	39	699	7	179	0	106	54.3	41.7	0.0	4.0	2.80	0.13	1.42	173.5	59.19
Maximum Before (n=10)	39	786	7	266	0	218	54.6	42.1	0.0	4.0	2.87	0.13	1.42	175.9	60.03
Std Dev Before (n=10)	*2*	*52*	*2*	*52*	*0*	*49*	*3.4*	*2.8*	*0.0*	*0.8*	*0.84*	*0.04*	*0.35*	*37.2*	*12.67*
Average After (n=8)	78	688	46	168	33	116	23.5	37.3	0.9	4.4	1.44	0.07	0.76	121.3	41.69
Minimum After (n=8)	50	640	18	120	0	60	18.0	32.9	0.0	3.0	1.19	0.06	0.62	104.4	35.97
85th Percentile After (n=8)	87	719	55	199	43	153	24.3	39.4	1.0	5.0	1.58	0.08	0.78	134.1	46.06
Maximum After (n=8)	99	778	67	258	61	213	35.4	40.0	1.0	6.0	2.19	0.10	1.15	156.8	53.73
Std Dev After (n=8)	*14*	*45*	*14*	*45*	*18*	*52*	*5.2*	*2.3*	*0.4*	*0.9*	*0.33*	*0.01*	*0.17*	*17.1*	*5.82*
Difference	43	25	43	25	33	21	-27.4	-1.5	0.9	1.8	-0.12	0.00	-0.12	3.8	1.54
Difference Minimum	18	31	18	31	0	24	-27.1	0.3	0.0	1.0	0.42	0.02	0.09	23.1	8.17
Difference 85th Percentile	48	20	48	20	43	47	-30.0	-2.3	1.0	1.0	-1.22	-0.05	-0.63	-39.3	-13.13
Difference Maximum	59	-9	59	-9	61	-5	-19.2	-2.1	1.0	2.0	-0.68	-0.03	-0.26	-19.1	-6.30
Std Dev Difference	*14*	*69*	*14*	*69*	*18*	*71*	*6.2*	*3.6*	*0.4*	*1.2*	*0.91*	*0.04*	*0.39*	*41.0*	*13.94*
% Difference	123%	4%	1475%	18%	N/D	22%	-53.8%	-3.8%	N/D	68.3%	-7.69%	-1.37%	-13.49%	3.2%	3.85%
to Hampton Parkway (#13)															
Average Before (n=10)	60	723	1	144	0	96	54.3	40.1	0.0	2.6	2.34	0.11	1.40	191.4	65.43
Minimum Before (n=10)	55	670	-3	91	0	36	50.4	33.9	0.0	2.0	1.88	0.09	1.23	175.3	59.93
85th Percentile Before (n=10)	62	758	4	179	0	106	56.3	42.9	0.0	4.0	2.70	0.13	1.57	204.4	69.83
Maximum Before (n=10)	64	850	6	272	0	218	58.3	43.1	0.0	4.0	2.73	0.13	1.58	207.2	70.80
Std Dev Before (n=10)	*3*	*53*	*3*	*53*	*0*	*49*	*2.3*	*2.7*	*0.0*	*0.8*	*0.30*	*0.01*	*0.12*	*10.4*	*3.52*
Average After (n=8)	68	756	9	178	0	116	48.0	38.3	0.0	4.4	3.35	0.16	1.78	234.9	80.36
Minimum After (n=8)	62	715	3	137	0	60	42.3	34.4	0.0	3.0	2.50	0.12	1.46	209.2	71.66
85th Percentile After (n=8)	73	782	15	203	0	153	51.3	40.3	0.0	5.0	3.48	0.17	1.83	241.1	82.59
Maximum															

After (n=8)	76	840	18	261	0	213	52.2	40.3	0.0	6.0	4.13	0.19	2.12	266.3	90.95
Std Dev After (n=8)	5	42	5	42	0	52	3.4	2.0	0.0	0.9	0.45	0.02	0.18	15.8	5.34
Difference	8	33	8	33	0	21	-6.3	-1.8	0.0	1.8	1.01	0.05	0.37	43.5	14.93
Difference Minimum	7	45	7	45	0	24	-8.1	0.4	0.0	1.0	0.61	0.03	0.22	33.9	11.73
Difference 85th Percentile	11	24	11	24	0	47	-5.0	-2.6	0.0	1.0	0.78	0.04	0.26	36.7	12.76
Difference Maximum	12	-11	12	-11	0	-5	-6.1	-2.7	0.0	2.0	1.39	0.06	0.55	59.0	20.14
Std Dev Difference	6	68	6	68	0	71	4.1	3.4	0.0	1.2	0.54	0.03	0.22	18.9	6.39
% Difference	13%	5%	654%	23%	N/D	22%	-11.6%	-4.6%	N/D	68.3%	43.12%	43.73%	26.56%	22.7%	22.81%

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:55:18 PM

Travel Time & Delay Report for US 278

Legend:

CTT:
> Summarized Cumulative Travel Time since beginning of Run (seconds)

CD:
> Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

CStopD:
> Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CAS:
> Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

CStops:
> Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

Cumulative Summary of runs Eastbound from Hampton Parkway (#13)

10 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 3:58:48 PM to 6:09:59 PM

9 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 3:59:17 PM to 6:12:08 PM

	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)					
Average Before (n=10)	805	213	135	36.0	4.8
Minimum Before (n=10)	711	119	36	31.1	3.0
85th Percentile Before (n=10)	848	255	168	40.2	6.0
Maximum Before (n=10)	927	335	261	40.5	7.0
Std Dev Before (n=10)	64	64	59	2.8	1.1
Average After (n=9)	712	119	94	41.2	2.7
Minimum After (n=9)	594	1	0	32.5	0.0
85th Percentile After (n=9)	800	208	162	47.5	4.0
Maximum After (n=9)	887	294	255	48.5	5.0
Std Dev After (n=9)	104	104	85	5.9	1.7
Difference	-94	-94	-41	5.3	-2.1
Difference Minimum	-118	-118	-36	1.4	-3.0
Difference 85th Percentile	-48	-48	-5	7.3	-2.0
Difference Maximum	-41	-41	-5	8.1	-2.0
Std Dev Difference	122	122	103	6.6	2.0
% Difference	-12%	-44%	-30%	14.7%	-44.4%

Cumulative Summary of runs Westbound from Moss Creek (#1)

10 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 3:44:39 PM to 6:17:25 PM
9 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 3:45:14 PM to 5:58:19 PM

	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)					
Average Before (n=10)	693	114	82	42.0	2.4
Minimum Before (n=10)	614	35	17	37.6	1.0
85th Percentile Before (n=10)	754	176	133	47.0	4.0
Maximum Before (n=10)	767	189	151	47.0	4.0
Std Dev Before (n=10)	*62*	*62*	*48*	*3.9*	*1.1*
Average After (n=9)	646	67	36	45.0	1.8
Minimum After (n=9)	579	0	0	39.5	0.0
85th Percentile After (n=9)	709	131	77	48.4	4.0
Maximum After (n=9)	731	153	84	49.8	4.0
Std Dev After (n=9)	*54*	*54*	*35*	*3.6*	*1.6*
Difference	-47	-47	-46	3.0	-0.6
Difference Minimum	-35	-35	-17	1.9	-1.0
Difference 85th Percentile	-45	-45	-56	1.4	0.0
Difference Maximum	-36	-36	-67	2.8	0.0
Std Dev Difference	*82*	*82*	*59*	*5.3*	*1.9*
% Difference	-7%	-41%	-56%	7.2%	-25.9%

Cumulative Summary of all runs, either direction through artery

20 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 3:53:53 PM to 6:28:34 PM
18 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 3:54:17 PM to 6:21:14 PM

	CTT	CD	CStopD	CAS	CStops
to End of Artery					
Average Before (n=20)	749	164	108	39.0	3.6
Minimum Before (n=20)	614	35	17	37.6	1.0
85th Percentile Before (n=20)	754	176	133	47.0	4.0
Maximum Before (n=20)	767	189	151	47.0	4.0
Std Dev Before (n=20)	*84*	*79*	*59*	*4.5*	*1.6*
Average After (n=18)	679	93	65	43.1	2.2

Minimum After (n=18)	579	0	0	39.5	0.0
85th Percentile After (n=18)	709	131	77	48.4	4.0
Maximum After (n=18)	731	153	84	49.8	4.0
Std Dev After (n=18)	87	85	70	5.1	1.6
Difference	-71	-71	-43	4.1	-1.4
Difference Minimum	-35	-35	-17	1.9	-1.0
Difference 85th Percentile	-45	-45	-56	1.4	0.0
Difference Maximum	-36	-36	-67	2.8	0.0
Std Dev Difference	121	116	91	6.8	2.3
% Difference	-9%	-43%	-40%	10.6%	-38.3%

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:55:18 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Travel Time from previous Node (seconds)

CTT:
Cumulative Travel Time since beginning of Run (seconds)

Delay:
Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Contents:

[-] Collapse All

[-] After-type Trip Log "Trip #16", PM-period, started Tuesday 6/5/2018 3:41:27 PM ↑Contents

Entered artery 3:59:17 pm (1070 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	126	126	68	68	62	62	25.5	25.5	1	1	3.17	0.16	1.55	222.5	76.30
to Bluffton Fire (#14)	32	159	0	68	0	62	54.9	31.5	0	1	14.18	0.26	2.07	192.5	72.01
to Rose Hill Way (#10)	110	269	33	101	29	90	38.4	34.3	1	2	3.05	0.15	1.71	245.5	84.20
to Belfair Plantation (#9)	50	318	4	105	0	90	50.9	36.9	0	2	3.53	0.28	1.67	204.4	71.66
to Belfair Towne Village (#8)	81	399	2	107	4	95	43.7	38.3	1	3	2.42	0.12	1.37	202.0	69.35
to Crescent Drive (#7)	86	485	28	135	19	114	30.2	36.8	1	4	3.06	0.14	1.55	225.3	77.09
to Home Depot (#6)	35	520	1	136	0	114	44.1	37.3	0	4	1.24	0.06	0.77	106.8	36.49
to Trimblestone Road (#5)	36	556	2	138	0	114	43.1	37.7	0	4	0.79	0.04	0.47	75.9	26.07
to Sawmill Creek Road (#4)	52	608	-3	135	0	114	47.2	38.5	0	4	2.03	0.09	1.26	170.2	58.12
to Colleton River Road (#3)	32	640	-1	134	0	114	46.8	38.9	0	4	0.74	0.04	0.46	72.2	24.73
to Tanger Outlet #2 (#2)	49	689	-1	133	0	114	45.6	39.4	0	4	1.14	0.05	0.70	110.7	37.87
to Moss Creek (#1)	47	737	11	144	0	114	34.8	39.1	0	4	1.22	0.06	0.66	104.4	35.82

Entered artery 4:33:20 pm (3114 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	63	63	4	4	0	0	51.3	51.3	0	0	3.42	0.16	1.87	241.6	82.51
to Bluffton Fire (#14)	31	93	-2	3	0	0	58.2	53.5	0	0	1.56	0.09	0.89	114.8	39.45
to Rose Hill Way (#10)	87	181	11	13	0	0	48.3	51.0	0	0	3.62	0.17	1.97	269.2	92.26
to Belfair Plantation (#9)	50	231	4	18	0	0	50.1	50.8	0	0	2.02	0.09	1.19	162.2	55.42
to Belfair Towne Village (#8)	74	305	-4	13	0	0	47.7	50.0	0	0	2.27	0.11	1.34	195.6	66.99
to Crescent Drive (#7)	62	367	4	17	0	0	42.1	48.7	0	0	1.56	0.07	0.92	142.8	48.96
to Home Depot (#6)	36	403	2	19	0	0	42.5	48.1	0	0	1.22	0.08	0.76	105.3	36.43
to Trimblestone Road (#5)	31	434	-3	16	0	0	49.9	48.3	0	0	1.57	0.08	0.71	96.5	33.03
to Sawmill Creek Road (#4)	46	480	-8	8	0	0	53.0	48.7	0	0	2.12	0.10	1.21	160.2	54.78
to Colleton River Road (#3)	41	521	7	15	0	0	36.6	47.8	0	0	1.13	0.06	0.58	90.4	31.09
to Tanger Outlet #2 (#2)	46	567	-4	11	0	0	48.9	47.9	0	0	1.98	0.09	1.13	152.3	52.05
to Moss Creek (#1)	39	606	2	14	0	0	42.2	47.5	0	0	0.65	0.08	0.40	65.4	24.46

Entered artery 5:06:00 pm (5073 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	137	137	79	79	68	68	23.5	23.5	1	1	2.92	0.14	1.51	220.9	75.81
to Bluffton Fire (#14)	37	174	4	83	0	68	48.6	28.8	0	1	2.35	0.11	1.20	150.9	51.72
to Rose Hill Way (#10)	104	278	27	110	19	86	40.5	33.2	1	2	3.56	0.18	1.94	270.7	92.81
to Belfair Plantation (#9)	47	325	1	111	0	86	53.8	36.1	0	2	3.51	0.16	1.72	213.1	72.79
to Belfair Towne Village (#8)	139	463	60	171	63	150	25.4	32.9	1	3	2.80	0.14	1.50	225.3	77.23
to Crescent Drive (#7)	145	608	87	258	80	230	18.0	29.4	1	4	2.99	0.14	1.53	212.2	72.79
to Home Depot (#6)	37	645	3	261	0	230	41.6	30.1	0	4	1.54	0.07	0.83	114.2	39.04
to Trimblestone Road (#5)	68	713	33	294	25	255	23.1	29.4	1	5	1.92	0.09	0.92	133.9	45.99
to Sawmill Creek Road (#4)	50	763	-5	290	0	255	49.2	30.7	0	5	2.46	0.12	1.35	177.4	60.62
to Colleton River Road (#3)	30	793	-3	287	0	255	49.1	31.4	0	5	0.75	0.04	0.47	72.0	24.69
to Tanger Outlet #2 (#2)	47	840	-3	283	0	255	48.2	32.3	0	5	1.21	0.06	0.75	113.2	38.74
to Moss Creek (#1)	47	887	11	294	0	255	34.9	32.5	0	5	1.23	0.06	0.67	104.7	35.99

Entered artery 5:39:58 pm (7112 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	65	65	6	6	0	0	49.8	49.8	0	0	3.84	0.18	2.05	261.1	89.17
to Bluffton Fire (#14)	31	95	-1	5	0	0	57.8	52.4	0	0	1.39	0.08	0.81	106.2	36.54
to Rose Hill Way (#10)	82	177	5	10	0	0	51.6	52.0	0	0	3.32	0.16	1.82	250.1	85.69
to Belfair Plantation (#9)	53	230	7	17	0	0	47.3	50.9	0	0	2.13	0.10	1.21	166.0	56.77
to Belfair Towne Village (#8)	73	303	-6	11	0	0	48.6	50.4	0	0	2.41	0.11	1.36	196.1	67.12
to Crescent Drive (#7)	71	374	14	25	0	0	36.4	47.7	0	0	1.81	0.09	1.08	166.6	57.15
to Home Depot (#6)	37	411	3	27	0	0	41.6	47.2	0	0	1.22	0.06	0.72	102.5	35.05
to															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Trimblestone Road (#5)	34	445	-1	27	0	0	46.3	47.1	0	0	1.07	0.05	0.69	97.5	33.30
to Sawmill Creek Road (#4)	50	495	-5	22	0	0	49.2	47.3	0	0	1.79	0.08	1.03	144.9	49.53
to Colleton River Road (#3)	29	524	-4	18	0	0	51.7	47.6	0	0	0.97	0.05	0.58	82.0	28.08
to Tanger Outlet #2 (#2)	43	566	-7	10	0	0	52.5	47.9	0	0	1.72	0.08	1.03	139.2	47.58
to Moss Creek (#1)	56	623	20	30	15	15	29.3	46.2	1	1	1.71	0.08	0.82	126.2	43.33

Entered artery 6:12:08 pm (9041 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	65	65	7	7	0	0	49.3	49.3	0	0	2.59	0.12	1.54	210.4	71.94
to Bluffton Fire (#14)	30	95	-2	4	0	0	59.7	52.6	0	0	3.82	0.16	1.32	148.9	51.72
to Rose Hill Way (#10)	80	176	4	8	0	0	52.5	52.5	0	0	4.10	0.20	2.16	283.5	97.14
to Belfair Plantation (#9)	47	223	1	9	0	0	53.2	52.7	0	0	2.68	0.13	1.41	181.8	62.14
to Belfair Towne Village (#8)	67	290	-12	-2	0	0	52.9	52.7	0	0	3.86	0.16	1.53	207.1	71.45
to Crescent Drive (#7)	60	349	2	0	0	0	43.6	51.2	0	0	1.74	0.09	0.94	141.7	48.72
to Home Depot (#6)	31	380	-3	-3	0	0	49.3	51.0	0	0	1.91	0.09	1.01	127.6	43.57
to Trimblestone Road (#5)	52	433	18	14	11	11	30.0	48.5	1	1	1.27	0.06	0.61	102.3	35.12
to Sawmill Creek Road (#4)	47	480	-7	7	0	11	51.8	48.8	0	1	2.94	0.13	1.55	196.0	66.93
to Colleton River Road (#3)	27	507	-6	1	0	11	55.4	49.1	0	1	1.03	0.05	0.60	82.7	28.30
to Tanger Outlet #2 (#2)	39	546	-11	-10	0	11	57.6	49.7	0	1	1.88	0.09	1.04	137.7	47.08
to Moss Creek (#1)	48	594	11	1	8	19	34.4	48.5	1	2	1.15	0.06	0.61	98.8	33.98

[-] After-type Trip Log "Trip #19", PM-period, started Wednesday 6/6/2018 4:06:51 PM ↑Contents

Entered artery 4:25:06 pm (1095 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	68	68	10	10	0	0	47.1	47.1	0	0	3.53	0.17	1.82	240.2	82.17
to Bluffton Fire (#14)	58	126	25	35	0	0	30.8	39.7	0	0	1.13	0.07	0.66	111.7	38.66
to Rose Hill Way (#10)	94	220	17	52	0	0	45.0	41.9	0	0	4.17	0.19	2.30	310.3	106.00
to Belfair Plantation (#9)	43	263	-3	49	0	0	58.3	44.6	0	0	1.97	0.09	1.15	151.7	51.87
to Belfair Towne Village (#8)	74	337	-5	45	0	0	47.8	45.3	0	0	2.99	0.14	1.56	217.1	74.33
to Crescent Drive (#7)	56	393	-2	43	0	0	46.3	45.5	0	0	2.02	0.10	1.10	156.1	53.54
to Home Depot (#6)	111	504	77	120	66	66	13.9	38.5	1	1	0.98	0.05	0.50	108.4	37.31
to Trimblestone Road (#5)	115	619	81	201	65	131	13.6	33.9	1	2	1.71	0.08	0.90	152.8	52.36
to Sawmill Creek Road (#4)	53	672	-1	200	0	131	45.8	34.8	0	2	2.43	0.11	1.35	180.9	61.82
to Colleton River Road (#3)	30	702	-3	196	0	131	49.9	35.5	0	2	0.96	0.04	0.62	87.7	29.96
to Tanger Outlet #2 (#2)	43	745	-7	189	0	131	52.3	36.4	0	2	1.42	0.07	0.87	122.8	42.02
to Moss Creek (#1)	43	789	7	196	0	131	38.0	36.5	0	2	1.02	0.05	0.56	90.5	31.07

Entered artery 4:56:59 pm (3008 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Hall (#12)	63	63	5	5	0	0	50.8	50.8	0	0	4.22	0.19	2.22	276.8	94.50
to Bluffton Fire (#14)	31	95	-1	4	0	0	57.0	52.9	0	0	1.56	0.09	0.89	115.0	39.48
to Rose Hill Way (#10)	101	195	24	28	7	7	41.9	47.2	1	1	2.94	0.15	1.65	247.1	84.74
to Belfair Plantation (#9)	53	248	7	35	0	7	47.8	47.3	0	1	2.10	0.10	1.18	163.1	55.77
to Belfair Towne Village (#8)	124	372	46	80	45	53	28.4	41.0	1	2	16.17	0.31	2.40	273.9	100.00
to Crescent Drive (#7)	154	526	96	176	89	142	16.9	34.0	1	3	2.57	0.12	1.36	201.9	69.34
to Home Depot (#6)	33	559	-1	175	0	142	46.4	34.7	0	3	1.83	0.08	0.95	123.9	42.32
to Trimblestone Road (#5)	43	602	9	184	0	142	36.1	34.8	0	3	0.89	0.04	0.51	85.5	29.40
to Sawmill Creek Road (#4)	49	651	-5	179	0	142	49.5	35.9	0	3	2.68	0.12	1.48	190.5	65.03
to Colleton River Road (#3)	35	686	1	180	0	142	43.2	36.3	0	3	0.97	0.05	0.50	78.0	26.80
to Tanger Outlet #2 (#2)	47	733	-3	177	0	142	47.8	37.0	0	3	1.83	0.09	1.01	140.2	47.95
to Moss Creek (#1)	67	800	31	208	21	162	24.5	36.0	1	4	1.24	0.06	0.66	110.7	38.06

Entered artery 5:29:41 pm (4970 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	145	145	86	86	78	78	22.3	22.3	1	1	11.55	0.24	2.08	251.1	90.57
to Bluffton Fire (#14)	39	184	7	93	0	78	45.7	27.2	0	1	2.62	0.13	1.37	170.7	58.38
to Rose Hill Way (#10)	104	288	27	120	27	105	40.5	32.0	1	2	3.88	0.20	2.16	300.7	103.27
to Belfair Plantation (#9)	51	339	5	126	0	105	49.2	34.6	0	2	3.41	0.15	1.80	224.5	76.62
to Belfair Towne Village (#8)	80	420	2	128	5	110	43.9	36.4	1	3	2.38	0.11	1.37	202.6	69.34
to Crescent Drive (#7)	66	486	8	136	0	110	39.4	36.8	0	3	2.11	0.10	1.16	170.3	58.32
to Home Depot (#6)	36	522	2	138	0	110	42.5	37.2	0	3	1.40	0.06	0.85	116.2	39.68
to Trimblestone Road (#5)	48	570	14	152	6	115	32.5	36.8	1	4	1.06	0.05	0.60	98.7	33.91
to Sawmill Creek Road (#4)	54	624	0	152	0	115	44.9	37.5	0	4	2.29	0.10	1.39	185.8	63.42
to Colleton River Road (#3)	34	659	1	153	0	115	43.7	37.8	0	4	0.99	0.05	0.51	78.5	26.94
to Tanger Outlet #2 (#2)	45	704	-5	148	0	115	49.4	38.6	0	4	1.34	0.06	0.86	124.4	42.54
to Moss Creek (#1)	43	747	6	154	0	115	38.4	38.6	0	4	0.48	0.02	0.32	66.3	22.75

Entered artery 5:58:20 pm (6690 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	64	64	5	5	0	0	50.5	50.5	0	0	4.16	0.19	2.17	272.2	92.92
to Bluffton Fire (#14)	31	95	-1	5	0	0	56.4	52.5	0	0	1.28	0.07	0.79	105.3	36.20
to Rose Hill Way (#10)	100	195	23	27	14	14	42.5	47.3	1	1	3.90	0.18	2.12	293.9	100.58
to Belfair Plantation (#9)	50	245	4	32	0	14	50.3	47.9	0	1	2.20	0.10	1.28	171.0	58.44
to Belfair Towne Village (#8)	68	313	-10	21	0	14	50.9	48.6	0	1	2.31	0.11	1.40	197.2	67.54
to Crescent Drive (#7)	54	367	-4	17	0	14	49.2	48.7	0	1	1.75	0.08	1.05	150.1	51.33
to Home Depot (#6)	29	396	-5	13	0	14	52.6	49.0	0	1	0.97	0.05	0.62	87.1	29.76
to Trimblestone Road (#5)	67	463	32	44	20	33	23.5	45.3	1	2	1.15	0.06	0.67	118.3	40.65
to Sawmill Creek Road	52	515	-2	42	0	33	46.9	45.5	0	2	2.84	0.13	1.49	193.6	66.17

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
(#4)															
to Colleton River Road (#3)	29	544	-5	37	0	33	52.2	45.8	0	2	0.90	0.04	0.57	81.0	27.70
to Tanger Outlet #2 (#2)	43	586	-7	30	0	33	52.4	46.3	0	2	1.38	0.06	0.89	125.5	42.90
to Moss Creek (#1)	36	622	-1	30	0	33	45.9	46.3	0	2	0.61	0.03	0.39	68.2	23.38

[-] Before-type Trip Log "Trip #33:43:23 PM", PM-period, started Monday 3/26/2018 3:43:22 PM ↑Contents

Entered artery 3:58:48 pm (926 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	62	62	4	4	0	0	51.6	51.6	0	0	6.41	0.21	2.14	256.6	89.04
to Bluffton Fire (#14)	33	95	1	5	0	0	53.9	52.4	0	0	1.37	0.08	0.84	111.3	38.24
to Rose Hill Way (#10)	103	198	26	30	15	15	41.1	46.6	1	1	3.41	0.16	1.87	270.9	92.76
to Belfair Plantation (#9)	52	250	6	37	0	15	48.1	46.9	0	1	2.04	0.09	1.23	168.0	57.42
to Belfair Towne Village (#8)	69	319	-10	27	0	15	51.3	47.8	0	1	2.38	0.11	1.36	193.2	66.10
to Crescent Drive (#7)	54	373	-4	24	0	15	47.9	47.8	0	1	1.40	0.06	0.94	140.2	47.93
to Home Depot (#6)	61	434	27	50	14	28	25.2	44.7	1	2	1.27	0.06	0.72	120.5	41.31
to Trimblestone Road (#5)	88	523	54	104	31	60	17.8	40.1	1	3	1.64	0.08	0.90	142.8	48.95
to Sawmill Creek Road (#4)	88	610	33	137	24	84	27.9	38.4	1	4	2.65	0.13	1.35	194.3	66.55
to Colleton River Road (#3)	32	643	-1	136	0	84	46.2	38.8	0	4	1.11	0.05	0.70	98.0	33.48
to Tanger Outlet #2 (#2)	41	683	-9	127	0	84	55.2	39.7	0	4	2.03	0.10	1.11	146.1	49.95
to Moss Creek (#1)	33	716	-4	123	0	84	49.9	40.2	0	4	0.85	0.04	0.53	79.8	27.35

Entered artery 4:26:17 pm (2575 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	95	95	37	37	20	20	33.8	33.8	1	1	2.32	0.11	1.36	205.5	70.44
to Bluffton Fire (#14)	37	132	5	42	0	20	47.9	37.7	0	1	1.37	0.07	0.83	113.8	39.10
to Rose Hill Way (#10)	132	264	55	97	40	60	32.1	34.9	1	2	3.37	0.15	1.92	276.8	94.71
to Belfair Plantation (#9)	122	386	76	172	67	127	20.8	30.4	1	3	3.01	0.14	1.57	214.5	73.60
to Belfair Towne Village (#8)	103	489	25	198	25	152	34.1	31.2	1	4	3.86	0.18	1.96	267.9	91.64
to Crescent Drive (#7)	114	603	56	253	49	201	22.9	29.6	1	5	2.68	0.12	1.36	209.4	71.66
to Home Depot (#6)	35	638	0	254	0	201	44.5	30.4	0	5	1.76	0.08	0.97	126.7	43.26
to Trimblestone Road (#5)	76	714	42	296	36	237	20.5	29.4	1	6	1.19	0.06	0.65	105.2	36.16
to Sawmill Creek Road (#4)	88	802	33	329	23	261	27.8	29.2	1	7	2.72	0.13	1.40	200.3	68.55
to Colleton River Road (#3)	33	835	0	329	0	261	45.0	29.8	0	7	1.81	0.08	1.01	129.5	44.18
to Tanger Outlet #2 (#2)	52	887	2	331	0	261	43.1	30.6	0	7	1.54	0.07	0.87	129.5	44.42
to Moss Creek (#1)	40	927	4	335	0	261	40.7	31.1	0	7	1.39	0.06	0.83	116.7	39.90

Entered artery 4:59:40 pm (4578 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	100	100	42	42	31	31	32.1	32.1	1	1	2.10	0.11	1.22	188.2	64.63
to Bluffton Fire (#14)	37	138	5	47	0	31	47.6	36.3	0	1	1.79	0.10	1.02	133.7	45.90

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Rose Hill Way (#10)	81	219	4	51	0	31	52.1	42.1	0	1	3.52	0.17	1.96	264.3	90.43
to Belfair Plantation (#9)	65	284	19	70	9	40	38.7	41.4	1	2	2.96	0.14	1.50	203.1	69.60
to Belfair Towne Village (#8)	106	390	28	98	10	50	33.2	39.2	1	3	2.29	0.11	1.41	226.7	77.72
to Crescent Drive (#7)	77	467	20	118	0	50	33.6	38.2	0	3	1.83	0.09	1.16	180.1	61.72
to Home Depot (#6)	68	535	34	151	5	55	22.7	36.3	1	4	1.47	0.07	0.84	138.9	47.59
to Trimblestone Road (#5)	79	614	44	196	32	87	19.8	34.2	1	5	1.53	0.07	0.86	134.1	45.94
to Sawmill Creek Road (#4)	97	711	43	238	24	111	25.2	32.9	1	6	1.83	0.09	1.05	175.6	60.15
to Colleton River Road (#3)	38	749	4	243	0	111	39.7	33.3	0	6	1.10	0.05	0.72	104.4	35.66
to Tanger Outlet #2 (#2)	46	795	-4	239	0	111	48.6	34.2	0	6	1.42	0.06	0.92	131.3	44.86
to Moss Creek (#1)	35	830	-2	237	0	111	47.4	34.7	0	6	0.95	0.04	0.61	89.7	30.71

Entered artery 5:33:16 pm (6595 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	153	153	95	95	54	54	21.0	21.0	1	1	2.84	0.13	1.61	253.6	86.89
to Bluffton Fire (#14)	37	190	5	100	0	54	48.3	26.3	0	1	1.71	0.08	1.02	133.8	45.74
to Rose Hill Way (#10)	122	313	45	145	37	91	34.5	29.5	1	2	3.75	0.20	1.85	280.1	96.17
to Belfair Plantation (#9)	50	363	4	149	0	91	50.5	32.4	0	2	3.36	0.16	1.69	211.7	72.32
to Belfair Towne Village (#8)	66	429	-12	137	0	91	53.3	35.6	0	2	2.20	0.11	1.34	189.4	64.82
to Crescent Drive (#7)	53	481	-5	132	0	91	49.2	37.1	0	2	1.55	0.07	1.01	145.7	49.80
to Home Depot (#6)	37	518	3	134	0	91	41.9	37.5	0	2	0.54	0.03	0.34	64.0	21.93
to Trimblestone Road (#5)	87	605	53	187	43	134	17.9	34.6	1	3	1.63	0.08	0.85	133.0	45.59
to Sawmill Creek Road (#4)	76	681	21	209	13	147	32.2	34.4	1	4	2.39	0.11	1.26	187.3	64.13
to Colleton River Road (#3)	33	715	0	209	0	147	44.8	34.8	0	4	1.63	0.07	0.95	123.7	42.20
to Tanger Outlet #2 (#2)	58	773	9	217	8	155	38.4	35.1	1	5	2.34	0.11	1.21	169.0	57.91
to Moss Creek (#1)	39	813	3	220	0	155	41.9	35.5	0	5	1.26	0.06	0.80	113.7	38.85

Entered artery 6:03:26 pm (8405 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	62	62	4	4	0	0	51.6	51.6	0	0	6.56	0.24	2.36	280.7	96.95
to Bluffton Fire (#14)	30	92	-2	2	0	0	59.0	54.0	0	0	1.62	0.09	0.90	115.6	39.73
to Rose Hill Way (#10)	90	182	13	14	10	10	47.0	50.6	1	1	3.66	0.17	1.95	268.3	91.83
to Belfair Plantation (#9)	50	232	4	19	0	10	50.1	50.5	0	1	3.87	0.18	1.78	220.7	75.40
to Belfair Towne Village (#8)	119	351	40	59	12	23	29.8	43.5	1	2	2.19	0.11	1.21	214.2	73.66
to Crescent Drive (#7)	59	410	1	60	0	23	43.9	43.5	0	2	1.76	0.08	1.07	156.4	53.52
to Home Depot (#6)	39	449	5	65	0	23	39.3	43.2	0	2	1.17	0.06	0.69	101.3	34.72
to Trimblestone Road (#5)	63	512	29	94	14	36	24.7	40.9	1	3	1.31	0.06	0.73	122.4	41.96
to Sawmill Creek Road (#4)	74	586	20	114	0	36	33.0	39.9	0	3	2.11	0.10	1.16	176.1	60.29
to Colleton River Road (#3)	34	621	1	114	0	36	43.9	40.1	0	3	1.53	0.07	0.91	120.8	41.22

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	55	675	5	119	0	36	40.9	40.2	0	3	2.14	0.10	1.11	155.6	53.28
to Moss Creek (#1)	36	711	-1	119	0	36	45.6	40.5	0	3	1.30	0.06	0.76	106.4	36.39

[-] Before-type Trip Log "Trip #63:46:10 PM", PM-period, started Tuesday 3/27/2018 3:46:09 PM ↑Contents

Entered artery 4:03:11 pm (1022 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	111	111	53	53	39	39	29.0	29.0	1	1	2.59	0.12	1.45	220.4	75.49
to Bluffton Fire (#14)	41	153	9	62	0	39	43.0	32.8	0	1	1.41	0.07	0.87	121.8	41.84
to Rose Hill Way (#10)	112	264	35	97	22	62	37.8	34.9	1	2	3.35	0.16	1.93	273.8	93.73
to Belfair Plantation (#9)	52	316	6	103	0	62	48.5	37.1	0	2	2.72	0.12	1.47	192.3	65.67
to Belfair Towne Village (#8)	71	388	-7	96	0	62	49.4	39.4	0	2	1.95	0.09	1.21	181.4	62.02
to Crescent Drive (#7)	59	447	1	97	0	62	44.1	40.0	0	2	1.59	0.08	1.03	152.7	52.25
to Home Depot (#6)	35	481	1	98	0	62	44.0	40.3	0	2	0.91	0.04	0.58	87.5	29.92
to Trimblestone Road (#5)	88	569	53	151	43	105	17.9	36.9	1	3	1.23	0.06	0.69	113.7	39.01
to Sawmill Creek Road (#4)	90	659	36	186	29	134	27.3	35.5	1	4	2.42	0.11	1.36	193.3	66.20
to Colleton River Road (#3)	35	694	1	187	0	134	43.1	35.9	0	4	1.84	0.08	1.02	131.7	44.97
to Tanger Outlet #2 (#2)	43	737	-7	181	0	134	52.0	36.9	0	4	1.52	0.07	0.94	130.8	44.69
to Moss Creek (#1)	36	772	-1	180	0	134	46.2	37.3	0	4	0.81	0.04	0.53	82.8	28.33

Entered artery 4:34:37 pm (2909 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	89	89	31	31	18	18	36.2	36.2	1	1	3.45	0.17	1.69	240.7	82.48
to Bluffton Fire (#14)	36	125	4	34	0	18	49.7	40.0	0	1	1.49	0.08	0.87	116.6	40.06
to Rose Hill Way (#10)	81	205	4	38	0	18	52.3	44.9	0	1	2.91	0.13	1.79	247.7	84.67
to Belfair Plantation (#9)	59	265	13	51	0	18	42.8	44.4	0	1	2.50	0.12	1.29	177.2	60.69
to Belfair Towne Village (#8)	111	376	33	84	25	43	31.7	40.6	1	2	2.91	0.14	1.50	232.0	79.46
to Crescent Drive (#7)	132	508	74	158	49	92	19.7	35.2	1	3	1.96	0.09	1.17	195.4	66.92
to Home Depot (#6)	37	545	3	161	0	92	41.7	35.6	0	3	1.31	0.06	0.80	111.7	38.17
to Trimblestone Road (#5)	45	589	10	171	0	92	35.1	35.6	0	3	1.32	0.06	0.76	112.8	38.69
to Sawmill Creek Road (#4)	79	669	25	196	13	105	30.8	35.0	1	4	2.32	0.11	1.21	185.1	63.37
to Colleton River Road (#3)	36	704	2	198	0	105	42.0	35.4	0	4	1.17	0.05	0.72	102.1	34.90
to Tanger Outlet #2 (#2)	43	748	-6	191	0	105	51.7	36.3	0	4	1.80	0.08	1.05	142.3	48.65
to Moss Creek (#1)	38	786	2	193	0	105	43.0	36.6	0	4	0.95	0.04	0.54	84.7	29.02

Entered artery 5:05:00 pm (4731 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	128	128	69	69	63	63	25.4	25.4	1	1	2.91	0.14	1.48	235.7	80.86
to Bluffton Fire (#14)	36	164	4	73	0	63	48.8	30.6	0	1	2.07	0.10	1.14	145.0	49.68
to Rose Hill Way (#10)	76	240	-1	73	0	63	55.5	38.5	0	1	3.15	0.15	1.90	254.9	87.19
to Belfair Plantation (#9)	92	332	46	118	32	94	27.5	35.4	1	2	2.56	0.12	1.32	200.0	68.51

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Towne Village (#8)	104	436	26	144	0	94	33.9	35.1	0	2	2.59	0.12	1.37	220.3	75.48
to Crescent Drive (#7)	83	518	25	169	5	100	31.5	34.5	1	3	1.62	0.07	0.91	157.3	53.83
to Home Depot (#6)	39	558	5	174	0	100	39.0	34.8	0	3	1.23	0.06	0.71	103.1	35.28
to Trimblestone Road (#5)	71	628	36	210	25	124	22.2	33.4	1	4	1.46	0.07	0.74	127.0	43.50
to Sawmill Creek Road (#4)	81	709	26	236	16	140	30.3	33.1	1	5	2.35	0.11	1.22	180.7	61.96
to Colleton River Road (#3)	35	744	2	238	0	140	42.6	33.5	0	5	1.24	0.06	0.75	105.1	35.92
to Tanger Outlet #2 (#2)	43	788	-7	231	0	140	51.7	34.5	0	5	1.47	0.07	0.91	128.2	43.83
to Moss Creek (#1)	36	824	0	231	0	140	45.4	35.0	0	5	1.01	0.05	0.60	89.9	30.79

Entered artery 5:38:47 pm (6759 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	128	128	69	69	41	41	25.3	25.3	1	1	50.96	0.50	2.68	241.0	106.60
to Bluffton Fire (#14)	37	164	5	74	0	41	48.5	30.4	0	1	1.90	0.09	1.09	139.9	47.91
to Rose Hill Way (#10)	78	243	2	75	0	41	53.8	38.0	0	1	2.76	0.13	1.76	242.7	83.02
to Belfair Plantation (#9)	76	319	30	105	15	56	33.0	36.8	1	2	1.99	0.09	1.07	168.1	57.55
to Belfair Towne Village (#8)	136	455	58	163	40	95	26.0	33.6	1	3	4.48	0.20	2.12	302.6	103.86
to Crescent Drive (#7)	57	512	-1	162	0	95	45.8	34.9	0	3	1.43	0.07	0.89	136.6	46.74
to Home Depot (#6)	41	552	7	169	0	95	37.6	35.1	0	3	0.88	0.04	0.51	83.8	28.70
to Trimblestone Road (#5)	84	636	49	218	33	128	18.6	33.0	1	4	1.53	0.07	0.81	132.6	45.51
to Sawmill Creek Road (#4)	95	731	40	258	24	152	25.8	32.0	1	5	2.21	0.10	1.16	182.8	62.61
to Colleton River Road (#3)	35	766	2	260	0	152	42.6	32.5	0	5	1.36	0.06	0.81	110.5	37.76
to Tanger Outlet #2 (#2)	44	810	-6	254	0	152	51.0	33.5	0	5	1.43	0.07	0.90	127.7	43.66
to Moss Creek (#1)	38	848	1	255	0	152	43.6	34.0	0	5	0.88	0.04	0.54	85.1	29.17

Entered artery 6:09:59 pm (8630 seconds) traveling Eastbound from Hampton Parkway (#13)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)	126	126	68	68	59	59	25.5	25.5	1	1	3.13	0.15	1.53	219.5	75.22
to Bluffton Fire (#14)	37	163	5	72	0	59	48.3	30.7	0	1	2.23	0.11	1.18	149.7	51.30
to Rose Hill Way (#10)	76	239	-1	71	0	59	55.6	38.6	0	1	3.30	0.15	2.00	264.9	90.51
to Belfair Plantation (#9)	85	324	39	110	30	89	29.6	36.2	1	2	2.60	0.12	1.31	183.1	62.73
to Belfair Towne Village (#8)	83	407	4	115	0	89	42.7	37.5	0	2	8.96	0.18	1.68	217.3	77.60
to Crescent Drive (#7)	116	522	58	173	39	128	22.5	34.2	1	3	2.22	0.10	1.18	190.1	65.18
to Home Depot (#6)	35	558	1	174	0	128	43.7	34.8	0	3	1.29	0.06	0.74	104.0	35.54
to Trimblestone Road (#5)	70	627	35	209	24	152	22.5	33.4	1	4	1.43	0.07	0.75	119.1	40.79
to Sawmill Creek Road (#4)	81	709	27	236	16	168	30.1	33.0	1	5	2.18	0.10	1.21	181.1	62.04
to Colleton River Road (#3)	33	742	0	236	0	168	45.1	33.6	0	5	1.49	0.07	0.86	114.9	39.24
to Tanger Outlet #2 (#2)	48	790	-1	234	0	168	46.3	34.4	0	5	1.75	0.08	0.91	130.4	44.68
to Moss Creek (#1)	37	827	0	235	0	168	44.3	34.8	0	5	1.33	0.06	0.76	107.4	36.72

Cumulative Reports

[-] After-type Trip Log "Trip #16", PM-period, started Tuesday 6/5/2018 3:41:27 PM ↑Contents

Entered artery 3:59:17 pm (1070 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	737	144	114	39.1	4
to Moss Creek (#1)	606	14	0	47.5	0
to Moss Creek (#1)	887	294	255	32.5	5
to Moss Creek (#1)	623	30	15	46.2	1
to Moss Creek (#1)	594	1	19	48.5	2

[-] After-type Trip Log "Trip #19", PM-period, started Wednesday 6/6/2018 4:06:51 PM ↑Contents

Entered artery 4:25:06 pm (1095 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	789	196	131	36.5	2
to Moss Creek (#1)	800	208	162	36.0	4
to Moss Creek (#1)	747	154	115	38.6	4
to Moss Creek (#1)	622	30	33	46.3	2

[-] Before-type Trip Log "Trip #33:43:23 PM", PM-period, started Monday 3/26/2018 3:43:22 PM ↑Contents

Entered artery 3:58:48 pm (926 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	716	123	84	40.2	4
to Moss Creek (#1)	927	335	261	31.1	7
to Moss Creek (#1)	830	237	111	34.7	6
to Moss Creek (#1)	813	220	155	35.5	5
to Moss Creek (#1)	711	119	36	40.5	3

[-] Before-type Trip Log "Trip #63:46:10 PM", PM-period, started Tuesday 3/27/2018 3:46:09 PM ↑Contents

Entered artery 4:03:11 pm (1022 seconds)
traveling Eastbound from Hampton Parkway
(#13)

Node	CTT	CD	CStopD	CAS	CStops
to Moss Creek (#1)	772	180	134	37.3	4
to Moss Creek (#1)	786	193	105	36.6	4
to Moss Creek (#1)	824	231	140	35.0	5
to Moss Creek (#1)	848	255	152	34.0	5
to Moss Creek (#1)	827	235	168	34.8	5

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:55:18 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Summarized Travel Time from previous Node (seconds)

CTT:
Summarized Cumulative Travel Time since beginning of Run (seconds)

Delay:
Summarized Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Summarized Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Summarized Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Summarized Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Summarized Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Summarized Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Summarized Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Summarized Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Summarized Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Summary of runs Eastbound from Hampton Parkway (#13)

10 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 3:58:48 PM to 6:09:59 PM
9 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 3:59:17 PM to 6:12:08 PM

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Berkeley Hall (#12)															
Average Before (n=10)	106	106	47	47	33	33	33.1	33.1	0.8	0.8	8.33	0.19	1.75	234.2	82.86
Minimum Before (n=10)	62	62	4	4	0	0	21.0	21.0	0.0	0.0	2.10	0.11	1.22	188.2	64.63
85th Percentile Before (n=10)	128	128	69	69	59	59	51.6	51.6	1.0	1.0	6.56	0.24	2.36	256.6	96.95
Maximum Before (n=10)	153	153	95	95	63	63	51.6	51.6	1.0	1.0	50.96	0.50	2.68	280.7	106.60
Std Dev Before (n=10)	*30*	*30*	*30*	*30*	*23*	*23*	*10.7*	*10.7*	*0.4*	*0.4*	*15.06*	*0.12*	*0.48*	*26.8*	*12.56*
Average After (n=9)	89	89	30	30	23	23	41.1	41.1	0.3	0.3	4.38	0.17	1.87	244.1	83.99
Minimum After (n=9)	63	63	4	4	0	0	22.3	22.3	0.0	0.0	2.59	0.12	1.51	210.4	71.94
85th Percentile After (n=9)	137	137	79	79	68	68	50.8	50.8	1.0	1.0	4.22	0.19	2.17	272.2	92.92
Maximum After (n=9)	145	145	86	86	78	78	51.3	51.3	1.0	1.0	11.55	0.24	2.22	276.8	94.50
Std Dev After (n=9)	*36*	*36*	*36*	*36*	*35*	*35*	*13.1*	*13.1*	*0.5*	*0.5*	*2.74*	*0.04*	*0.28*	*23.3*	*8.19*
Difference	-17	-17	-17	-17	-10	-10	8.0	8.0	-0.5	-0.5	-3.95	-0.02	0.12	9.9	1.13
Difference Minimum	0	0	0	0	0	0	1.3	1.3	0.0	0.0	0.49	0.01	0.29	22.2	7.31
Difference 85th Percentile	9	9	9	9	9	9	-0.8	-0.8	0.0	0.0	-2.34	-0.04	-0.19	15.6	-4.04
Difference Maximum	-9	-9	-9	-9	15	15	-0.4	-0.4	0.0	0.0	-39.41	-0.26	-0.46	-3.9	-12.10

Std Dev Difference	*47*	*47*	*47*	*47*	*42*	*42*	*16.9*	*16.9*	*0.7*	*0.7*	*15.31*	*0.12*	*0.55*	*35.5*	*15.00*
% Difference	-16%	-16%	-36%	-36%	-29%	-29%	24.1%	24.1%	-58.3%	-58.3%	-47.41%	-8.86%	6.61%	4.2%	1.36%
to Bluffton Fire (#14)															
Average Before (n=10)	36	142	4	51	0	33	49.5	37.1	0.0	0.8	1.70	0.09	0.98	128.1	43.95
Minimum Before (n=10)	30	92	-2	2	0	0	43.0	26.3	0.0	0.0	1.37	0.07	0.83	111.3	38.24
85th Percentile Before (n=10)	37	164	5	74	0	59	53.9	52.4	0.0	1.0	2.07	0.10	1.14	145.0	49.68
Maximum Before (n=10)	41	190	9	100	0	63	59.0	54.0	0.0	1.0	2.23	0.11	1.18	149.7	51.30
Std Dev Before (n=10)	*3*	*31*	*3*	*31*	*0*	*23*	*4.2*	*9.4*	*0.0*	*0.4*	*0.30*	*0.01*	*0.13*	*14.0*	*4.75*
Average After (n=9)	35	124	3	33	0	23	52.1	43.4	0.0	0.3	3.32	0.12	1.11	135.1	47.13
Minimum After (n=9)	30	93	-2	3	0	0	30.8	27.2	0.0	0.0	1.13	0.07	0.66	105.3	36.20
85th Percentile After (n=9)	39	174	7	83	0	68	58.2	52.9	0.0	1.0	3.82	0.16	1.37	170.7	58.38
Maximum After (n=9)	58	184	25	93	0	78	59.7	53.5	0.0	1.0	14.18	0.26	2.07	192.5	72.01
Std Dev After (n=9)	*9*	*38*	*9*	*38*	*0*	*35*	*9.2*	*11.6*	*0.0*	*0.5*	*4.16*	*0.06*	*0.44*	*31.8*	*12.29*
Difference	-1	-18	-1	-18	0	-10	2.7	6.3	0.0	-0.5	1.62	0.03	0.13	7.0	3.18
Difference Minimum	0	1	0	1	0	0	-12.2	1.0	0.0	0.0	-0.24	-0.01	-0.16	-6.0	-2.04
Difference 85th Percentile	2	9	2	9	0	9	4.3	0.5	0.0	0.0	1.74	0.05	0.23	25.7	8.70
Difference Maximum	16	-7	16	-7	0	15	0.7	-0.5	0.0	0.0	11.95	0.14	0.89	42.9	20.72
Std Dev Difference	*9*	*49*	*9*	*49*	*0*	*42*	*10.2*	*14.9*	*0.0*	*0.7*	*4.17*	*0.06*	*0.46*	*34.8*	*13.18*
% Difference	-2%	-13%	-17%	-35%	N/D	-29%	5.4%	17.0%	N/D	-58.3%	95.67%	33.10%	13.78%	5.5%	7.23%
to Rose Hill Way (#10)															
Average Before (n=10)	95	237	18	69	12	45	46.2	39.8	0.5	1.3	3.32	0.16	1.89	264.4	90.50
Minimum Before (n=10)	76	182	-1	14	0	10	32.1	29.5	0.0	1.0	2.76	0.13	1.76	242.7	83.02
85th Percentile Before (n=10)	122	264	45	97	37	63	55.5	46.6	1.0	2.0	3.66	0.17	1.96	276.8	94.71
Maximum Before (n=10)	132	313	55	145	40	91	55.6	50.6	1.0	2.0	3.75	0.20	2.00	280.1	96.17
Std Dev Before (n=10)	*21*	*38*	*21*	*38*	*16*	*26*	*9.1*	*6.3*	*0.5*	*0.5*	*0.31*	*0.02*	*0.08*	*12.4*	*4.32*
Average After (n=9)	96	220	19	52	11	34	44.6	43.5	0.6	0.9	3.62	0.18	1.98	274.5	94.08
Minimum After (n=9)	80	176	4	8	0	0	38.4	32.0	0.0	0.0	2.94	0.15	1.65	245.5	84.20
85th Percentile After (n=9)	104	278	27	110	27	90	51.6	52.0	1.0	2.0	4.10	0.20	2.16	300.7	103.27
Maximum After (n=9)	110	288	33	120	29	105	52.5	52.5	1.0	2.0	4.17	0.20	2.30	310.3	106.00
Std Dev After (n=9)	*11*	*46*	*11*	*46*	*12*	*46*	*5.1*	*8.4*	*0.5*	*0.9*	*0.44*	*0.02*	*0.22*	*24.1*	*8.20*
Difference	1	-17	1	-17	-2	-11	-1.6	3.7	0.1	-0.4	0.30	0.02	0.09	10.1	3.57
Difference Minimum	5	-6	5	-6	0	-10	6.4	2.5	0.0	-1.0	0.18	0.02	-0.10	2.8	1.19
Difference 85th Percentile	-18	14	-18	14	-10	28	-4.0	5.5	0.0	0.0	0.43	0.02	0.20	23.9	8.56
Difference Maximum	-22	-25	-22	-25	-11	13	-3.1	1.9	0.0	0.0	0.42	0.00	0.30	30.3	9.83
Std Dev Difference	*23*	*60*	*23*	*60*	*20*	*53*	*10.4*	*10.5*	*0.7*	*1.0*	*0.54*	*0.03*	*0.23*	*27.1*	*9.27*
% Difference	1%	-7%	5%	-24%	-14%	-25%	-3.5%	9.2%	11.1%	-31.6%	9.02%	11.49%	4.72%	3.8%	3.95%
to Belfair Plantation (#9)															
Average Before (n=10)	70	307	24	93	15	60	39.0	39.2	0.5	1.8	2.76	0.13	1.42	193.9	66.35

Minimum Before (n=10)	50	232	4	19	0	10	20.8	30.4	0.0	1.0	1.99	0.09	1.07	168.0	57.42
85th Percentile Before (n=10)	92	363	46	149	32	94	50.1	46.9	1.0	2.0	3.36	0.16	1.69	214.5	73.60
Maximum Before (n=10)	122	386	76	172	67	127	50.5	50.5	1.0	3.0	3.87	0.18	1.78	220.7	75.40
Std Dev Before (n=10)	*24*	*49*	*24*	*49*	*22*	*40*	*10.7*	*6.4*	*0.5*	*0.6*	*0.57*	*0.03*	*0.22*	*19.2*	*6.57*
Average After (n=9)	49	269	3	56	0	34	51.2	44.7	0.0	0.9	2.62	0.13	1.40	182.0	62.39
Minimum After (n=9)	43	223	-3	9	0	0	47.3	34.6	0.0	0.0	1.97	0.09	1.15	151.7	51.87
85th Percentile After (n=9)	53	325	7	111	0	90	53.8	50.9	0.0	2.0	3.51	0.16	1.72	213.1	72.79
Maximum After (n=9)	53	339	7	126	0	105	58.3	52.7	0.0	2.0	3.53	0.28	1.80	224.5	76.62
Std Dev After (n=9)	*3*	*45*	*3*	*45*	*0*	*46*	*3.4*	*7.0*	*0.0*	*0.9*	*0.68*	*0.06*	*0.26*	*25.8*	*8.99*
Difference	-21	-38	-21	-38	-15	-27	12.2	5.5	-0.5	-0.9	-0.14	0.00	-0.02	-11.9	-3.96
Difference Minimum	-7	-9	-7	-9	0	-10	26.6	4.2	0.0	-1.0	-0.02	0.00	0.08	-16.4	-5.55
Difference 85th Percentile	-39	-38	-39	-38	-32	-4	3.7	4.1	-1.0	0.0	0.15	0.01	0.04	-1.3	-0.80
Difference Maximum	-69	-47	-69	-47	-67	-22	7.8	2.2	-1.0	-1.0	-0.34	0.09	0.02	3.8	1.22
Std Dev Difference	*24*	*67*	*24*	*67*	*22*	*60*	*11.3*	*9.5*	*0.5*	*1.1*	*0.89*	*0.07*	*0.34*	*32.1*	*11.13*
% Difference	-30%	-12%	-86%	-40%	-100%	-44%	31.4%	14.1%	-100.0%	-50.6%	-5.15%	2.93%	-1.43%	-6.1%	-5.97%

to Belfair Towne Village (#8)

Average Before (n=10)	97	404	18	112	11	71	38.5	38.4	0.5	2.3	3.38	0.14	1.52	224.5	77.23
Minimum Before (n=10)	66	319	-12	27	0	15	26.0	31.2	0.0	1.0	1.95	0.09	1.21	181.4	62.02
85th Percentile Before (n=10)	119	455	40	163	25	95	51.3	43.5	1.0	3.0	4.48	0.18	1.96	267.9	91.64
Maximum Before (n=10)	136	489	58	198	40	152	53.3	47.8	1.0	4.0	8.96	0.20	2.12	302.6	103.86
Std Dev Before (n=10)	*23*	*50*	*23*	*50*	*14*	*41*	*9.8*	*4.9*	*0.5*	*0.8*	*2.12*	*0.04*	*0.31*	*37.0*	*12.68*
Average After (n=9)	86	356	8	64	13	47	43.3	44.0	0.4	1.3	4.18	0.15	1.54	213.0	73.71
Minimum After (n=9)	67	290	-12	-2	0	0	25.4	32.9	0.0	0.0	2.27	0.11	1.34	195.6	66.99
85th Percentile After (n=9)	124	420	46	128	45	110	50.9	50.4	1.0	3.0	3.86	0.16	1.56	225.3	77.23
Maximum After (n=9)	139	463	60	171	63	150	52.9	52.7	1.0	3.0	16.17	0.31	2.40	273.9	100.00
Std Dev After (n=9)	*26*	*61*	*26*	*61*	*24*	*58*	*9.7*	*7.0*	*0.5*	*1.4*	*4.52*	*0.06*	*0.33*	*24.9*	*10.45*
Difference	-10	-48	-10	-48	2	-25	4.7	5.6	-0.1	-1.0	0.80	0.01	0.02	-11.5	-3.53
Difference Minimum	1	-29	1	-29	0	-15	-0.5	1.7	0.0	-1.0	0.31	0.02	0.13	14.2	4.98
Difference 85th Percentile	5	-35	5	-35	20	15	-0.4	6.9	0.0	0.0	-0.62	-0.02	-0.39	-42.6	-14.41
Difference Maximum	3	-26	3	-26	24	-2	-0.5	4.9	0.0	-1.0	7.20	0.11	0.28	-28.7	-3.86
Std Dev Difference	*35*	*79*	*35*	*79*	*28*	*71*	*13.8*	*8.6*	*0.7*	*1.6*	*5.00*	*0.07*	*0.45*	*44.6*	*16.43*
% Difference	-11%	-12%	-56%	-43%	18%	-34%	12.2%	14.6%	-11.1%	-42.0%	23.52%	7.90%	1.19%	-5.1%	-4.57%

to Crescent Drive (#7)

Average Before (n=10)	80	484	22	134	14	86	36.1	37.5	0.4	2.7	1.81	0.08	1.07	166.4	56.96
Minimum Before (n=10)	53	373	-5	24	0	15	19.7	29.6	0.0	1.0	1.40	0.06	0.89	136.6	46.74
85th Percentile Before (n=10)	116	522	58	173	49	128	47.9	43.5	1.0	3.0	2.22	0.10	1.18	195.4	66.92
Maximum															

Before (n=10)	132	603	74	253	49	201	49.2	47.8	1.0	5.0	2.68	0.12	1.36	209.4	71.66
Std Dev Before (n=10)	30	65	30	65	22	54	11.5	5.2	0.5	1.1	0.40	0.02	0.15	25.4	8.73
Average After (n=9)	84	439	26	90	21	68	35.8	42.1	0.3	1.7	2.18	0.10	1.19	174.1	59.69
Minimum After (n=9)	54	349	-4	0	0	0	16.9	29.4	0.0	0.0	1.56	0.07	0.92	141.7	48.72
85th Percentile After (n=9)	145	526	87	176	80	142	46.3	48.7	1.0	4.0	2.99	0.14	1.53	212.2	72.79
Maximum After (n=9)	154	608	96	258	89	230	49.2	51.2	1.0	4.0	3.06	0.14	1.55	225.3	77.09
Std Dev After (n=9)	38	90	38	90	37	84	11.8	7.9	0.5	1.8	0.56	0.03	0.24	31.3	10.72
Difference	3	-45	3	-45	7	-18	-0.3	4.6	-0.1	-1.0	0.37	0.02	0.12	7.7	2.74
Difference Minimum	1	-24	1	-24	0	-15	-2.7	-0.3	0.0	-1.0	0.16	0.01	0.03	5.1	1.98
Difference 85th Percentile	29	3	29	3	31	14	-1.6	5.2	0.0	1.0	0.76	0.04	0.35	16.8	5.88
Difference Maximum	21	5	21	5	40	29	0.0	3.3	0.0	-1.0	0.38	0.02	0.19	15.9	5.42
Std Dev Difference	49	111	49	111	43	100	16.5	9.4	0.7	2.1	0.69	0.03	0.28	40.3	13.83
% Difference	4%	-9%	15%	-33%	47%	-21%	-0.9%	12.2%	-16.7%	-38.3%	20.56%	24.65%	10.73%	4.6%	4.80%
to Home Depot (#6)															
Average Before (n=10)	43	527	9	143	2	87	38.0	37.3	0.2	2.9	1.18	0.05	0.69	104.1	35.64
Minimum Before (n=10)	35	434	0	50	0	23	22.7	30.4	0.0	2.0	0.54	0.03	0.34	64.0	21.93
85th Percentile Before (n=10)	61	558	27	174	5	128	44.0	43.2	1.0	4.0	1.47	0.07	0.84	126.7	43.26
Maximum Before (n=10)	68	638	34	254	14	201	44.5	44.7	1.0	5.0	1.76	0.08	0.97	138.9	47.59
Std Dev Before (n=10)	12	60	12	60	5	52	7.7	4.3	0.4	1.0	0.34	0.01	0.18	22.0	7.52
Average After (n=9)	43	482	9	98	7	75	41.6	41.5	0.1	1.8	1.37	0.07	0.78	110.2	37.74
Minimum After (n=9)	29	380	-5	-3	0	0	13.9	30.1	0.0	0.0	0.97	0.05	0.50	87.1	29.76
85th Percentile After (n=9)	37	559	3	175	0	142	49.3	49.0	0.0	4.0	1.83	0.08	0.95	123.9	42.32
Maximum After (n=9)	111	645	77	261	66	230	52.6	51.0	1.0	4.0	1.91	0.09	1.01	127.6	43.57
Std Dev After (n=9)	26	90	26	90	22	81	11.1	7.4	0.3	1.7	0.34	0.02	0.16	12.1	4.10
Difference	0	-45	0	-45	5	-12	3.6	4.2	-0.1	-1.1	0.19	0.01	0.09	6.1	2.10
Difference Minimum	-5	-54	-5	-54	0	-23	-8.8	-0.4	0.0	-2.0	0.44	0.02	0.15	23.1	7.83
Difference 85th Percentile	-24	1	-24	1	-5	14	5.3	5.8	-1.0	0.0	0.37	0.02	0.11	-2.8	-0.94
Difference Maximum	43	7	43	7	53	29	8.1	6.3	0.0	-1.0	0.15	0.01	0.04	-11.4	-4.02
Std Dev Difference	28	108	28	108	23	96	13.5	8.6	0.5	2.0	0.48	0.02	0.24	25.1	8.57
% Difference	0%	-8%	2%	-31%	285%	-14%	9.6%	11.2%	-44.4%	-38.7%	15.74%	20.78%	12.67%	5.8%	5.89%
to Trimblestone Road (#5)															
Average Before (n=10)	75	602	41	183	28	115	21.7	35.1	0.9	3.8	1.43	0.07	0.77	124.3	42.61
Minimum Before (n=10)	45	512	10	94	0	36	17.8	29.4	0.0	3.0	1.19	0.06	0.65	105.2	36.16
85th Percentile Before (n=10)	88	636	53	218	43	152	24.7	40.1	1.0	5.0	1.63	0.08	0.86	134.1	45.94
Maximum Before (n=10)	88	714	54	296	43	237	35.1	40.9	1.0	6.0	1.64	0.08	0.90	142.8	48.95
Std Dev Before (n=10)	14	59	14	59	13	55	5.2	3.4	0.3	1.0	0.16	0.01	0.08	11.7	3.99
Average After (n=9)	55	537	20	119	14	89	33.1	40.2	0.6	2.3	1.27	0.06	0.67	106.8	36.65

Minimum After (n=9)	31	433	-3	14	0	0	13.6	29.4	0.0	0.0	0.79	0.04	0.47	75.9	26.07
85th Percentile After (n=9)	68	619	33	201	25	142	46.3	48.3	1.0	4.0	1.71	0.08	0.90	133.9	45.99
Maximum After (n=9)	115	713	81	294	65	255	49.9	48.5	1.0	5.0	1.92	0.09	0.92	152.8	52.36
Std Dev After (n=9)	26	99	26	99	21	86	12.0	7.2	0.5	1.8	0.38	0.02	0.15	24.2	8.28
Difference	-20	-65	-20	-65	-14	-26	11.4	5.1	-0.3	-1.5	-0.16	-0.01	-0.10	-17.4	-5.96
Difference Minimum	-13	-80	-13	-80	0	-36	-4.2	0.0	0.0	-3.0	-0.40	-0.02	-0.18	-29.3	-10.09
Difference 85th Percentile	-20	-17	-20	-17	-18	-10	21.6	8.1	0.0	-1.0	0.07	0.00	0.04	-0.1	0.05
Difference Maximum	27	-1	27	-1	22	18	14.8	7.6	0.0	-1.0	0.27	0.02	0.01	10.0	3.41
Std Dev Difference	30	115	30	115	25	102	13.1	7.9	0.6	2.1	0.42	0.02	0.17	26.8	9.19
% Difference	-27%	-11%	-49%	-35%	-50%	-23%	52.5%	14.4%	-38.3%	-38.6%	-11.22%	-8.75%	-12.83%	-14.0%	-13.99%
to Sawmill Creek Road (#4)															
Average Before (n=10)	85	687	30	214	18	134	29.1	34.3	0.9	4.7	2.32	0.11	1.24	185.7	63.58
Minimum Before (n=10)	74	586	20	114	0	36	25.2	29.2	0.0	3.0	1.83	0.09	1.05	175.6	60.15
85th Percentile Before (n=10)	95	731	40	258	24	168	32.2	38.4	1.0	6.0	2.65	0.13	1.36	194.3	66.55
Maximum Before (n=10)	97	802	43	329	29	261	33.0	39.9	1.0	7.0	2.72	0.13	1.40	200.3	68.55
Std Dev Before (n=10)	8	61	8	61	8	59	2.6	3.1	0.3	1.2	0.26	0.01	0.11	8.1	2.77
Average After (n=9)	50	588	-4	115	0	89	48.6	40.9	0.0	2.3	2.40	0.11	1.34	177.7	60.71
Minimum After (n=9)	46	480	-8	7	0	0	44.9	30.7	0.0	0.0	1.79	0.08	1.03	144.9	49.53
85th Percentile After (n=9)	53	672	-1	200	0	142	51.8	48.7	0.0	4.0	2.84	0.13	1.49	193.6	66.17
Maximum After (n=9)	54	763	0	290	0	255	53.0	48.8	0.0	5.0	2.94	0.13	1.55	196.0	66.93
Std Dev After (n=9)	3	100	3	100	0	86	2.7	6.8	0.0	1.8	0.38	0.02	0.16	16.8	5.73
Difference	-34	-99	-34	-99	-18	-45	19.6	6.5	-0.9	-2.4	0.08	0.00	0.11	-8.0	-2.87
Difference Minimum	-28	-107	-28	-107	0	-36	19.7	1.5	0.0	-3.0	-0.04	0.00	-0.02	-30.8	-10.62
Difference 85th Percentile	-41	-59	-41	-59	-24	-26	19.5	10.3	-1.0	-2.0	0.19	0.01	0.13	-0.7	-0.38
Difference Maximum	-43	-39	-43	-39	-29	-5	20.1	8.9	-1.0	-2.0	0.22	0.01	0.15	-4.3	-1.62
Std Dev Difference	8	118	8	118	8	104	3.8	7.5	0.3	2.1	0.46	0.02	0.19	18.7	6.37
% Difference	-41%	-14%	-113%	-46%	-100%	-33%	67.3%	19.0%	-100.0%	-50.4%	3.42%	1.20%	8.57%	-4.3%	-4.52%
to Colleton River Road (#3)															
Average Before (n=10)	34	721	1	215	0	134	43.5	34.8	0.0	4.7	1.43	0.06	0.84	114.1	38.95
Minimum Before (n=10)	32	621	-1	114	0	36	39.7	29.8	0.0	3.0	1.10	0.05	0.70	98.0	33.48
85th Percentile Before (n=10)	36	766	2	260	0	168	45.1	38.8	0.0	6.0	1.81	0.08	1.01	129.5	44.18
Maximum Before (n=10)	38	835	4	329	0	261	46.2	40.1	0.0	7.0	1.84	0.08	1.02	131.7	44.97
Std Dev Before (n=10)	2	62	2	62	0	59	1.9	3.0	0.0	1.2	0.28	0.01	0.12	11.9	4.04
Average After (n=9)	32	620	-2	113	0	89	47.6	41.1	0.0	2.3	0.94	0.05	0.54	80.5	27.59
Minimum After (n=9)	27	507	-6	1	0	0	36.6	31.4	0.0	0.0	0.74	0.04	0.46	72.0	24.69
85th Percentile After (n=9)	35	702	1	196	0	142	52.2	47.8	0.0	4.0	1.03	0.05	0.60	87.7	29.96
Maximum After (n=9)	41	793	7	287	0	255	55.4	49.1	0.0	5.0	1.13	0.06	0.62	90.4	31.09

Std Dev After (n=9)	*4*	*100*	*4*	*100*	*0*	*86*	*5.7*	*6.5*	*0.0*	*1.8*	*0.12*	*0.01*	*0.06*	*6.2*	*2.13*
Difference	-3	-102	-3	-102	0	-45	4.1	6.4	0.0	-2.4	-0.49	-0.02	-0.30	-33.6	-11.36
Difference Minimum	-5	-114	-5	-114	0	-36	-3.1	1.6	0.0	-3.0	-0.36	-0.01	-0.25	-26.1	-8.79
Difference 85th Percentile	-1	-64	-1	-64	0	-26	7.2	9.0	0.0	-2.0	-0.79	-0.03	-0.41	-41.8	-14.22
Difference Maximum	3	-42	3	-42	0	-5	9.2	9.0	0.0	-2.0	-0.71	-0.03	-0.40	-41.4	-13.87
Std Dev Difference	*4*	*118*	*4*	*118*	*0*	*104*	*6.0*	*7.2*	*0.0*	*2.1*	*0.30*	*0.01*	*0.14*	*13.4*	*4.57*
% Difference	-7%	-14%	-250%	-47%	N/D	-33%	9.5%	18.3%	N/D	-50.4%	-34.33%	-28.32%	-35.84%	-29.4%	-29.17%
to Tanger Outlet #2 (#2)															
Average Before (n=10)	47	769	-2	213	1	135	47.9	35.5	0.1	4.8	1.74	0.08	0.99	139.1	47.59
Minimum Before (n=10)	41	675	-9	119	0	36	38.4	30.6	0.0	3.0	1.42	0.06	0.87	127.7	43.66
85th Percentile Before (n=10)	55	810	5	254	0	168	52.0	39.7	0.0	6.0	2.14	0.10	1.11	155.6	53.28
Maximum Before (n=10)	58	887	9	331	8	261	55.2	40.2	1.0	7.0	2.34	0.11	1.21	169.0	57.91
Std Dev Before (n=10)	*6*	*62*	*6*	*62*	*2*	*59*	*5.5*	*2.9*	*0.3*	*1.1*	*0.33*	*0.02*	*0.12*	*14.0*	*4.83*
Average After (n=9)	45	664	-5	108	0	89	50.5	41.7	0.0	2.3	1.54	0.07	0.92	129.6	44.30
Minimum After (n=9)	39	546	-11	-10	0	0	45.6	32.3	0.0	0.0	1.14	0.05	0.70	110.7	37.87
85th Percentile After (n=9)	47	745	-3	189	0	142	52.5	47.9	0.0	4.0	1.88	0.09	1.04	140.2	47.95
Maximum After (n=9)	49	840	-1	283	0	255	57.6	49.7	0.0	5.0	1.98	0.09	1.13	152.3	52.05
Std Dev After (n=9)	*3*	*102*	*3*	*102*	*0*	*86*	*3.6*	*6.3*	*0.0*	*1.8*	*0.31*	*0.01*	*0.14*	*13.7*	*4.67*
Difference	-3	-104	-3	-104	-1	-45	2.6	6.2	-0.1	-2.5	-0.20	-0.01	-0.08	-9.5	-3.29
Difference Minimum	-2	-130	-2	-130	0	-36	7.2	1.7	0.0	-3.0	-0.29	-0.01	-0.17	-17.0	-5.78
Difference 85th Percentile	-8	-65	-8	-65	0	-26	0.5	8.2	0.0	-2.0	-0.26	-0.01	-0.07	-15.4	-5.33
Difference Maximum	-9	-47	-9	-47	-8	-5	2.4	9.6	-1.0	-2.0	-0.36	-0.02	-0.08	-16.8	-5.87
Std Dev Difference	*7*	*119*	*7*	*119*	*2*	*104*	*6.6*	*6.9*	*0.3*	*2.1*	*0.45*	*0.02*	*0.19*	*19.6*	*6.71*
% Difference	-6%	-14%	-119%	-49%	-100%	-34%	5.5%	17.4%	-100.0%	-51.4%	-11.47%	-11.56%	-7.58%	-6.9%	-6.91%
to Moss Creek (#1)															
Average Before (n=10)	37	805	0	213	0	135	44.8	36.0	0.0	4.8	1.07	0.05	0.65	95.6	32.72
Minimum Before (n=10)	33	711	-4	119	0	36	40.7	31.1	0.0	3.0	0.81	0.04	0.53	79.8	27.35
85th Percentile Before (n=10)	39	848	3	255	0	168	47.4	40.2	0.0	6.0	1.33	0.06	0.80	113.7	38.85
Maximum Before (n=10)	40	927	4	335	0	261	49.9	40.5	0.0	7.0	1.39	0.06	0.83	116.7	39.90
Std Dev Before (n=10)	*2*	*64*	*2*	*64*	*0*	*59*	*2.7*	*2.8*	*0.0*	*1.1*	*0.22*	*0.01*	*0.12*	*13.9*	*4.72*
Average After (n=9)	47	712	11	119	5	94	35.8	41.2	0.3	2.7	1.03	0.06	0.56	92.8	32.09
Minimum After (n=9)	36	594	-1	1	0	0	24.5	32.5	0.0	0.0	0.48	0.02	0.32	65.4	22.75
85th Percentile After (n=9)	56	800	20	208	15	162	42.2	47.5	1.0	4.0	1.24	0.08	0.67	110.7	38.06
Maximum After (n=9)	67	887	31	294	21	255	45.9	48.5	1.0	5.0	1.71	0.08	0.82	126.2	43.33
Std Dev After (n=9)	*9*	*104*	*9*	*104*	*8*	*85*	*6.4*	*5.9*	*0.5*	*1.7*	*0.39*	*0.02*	*0.16*	*21.8*	*7.22*
Difference	11	-94	11	-94	5	-41	-9.0	5.3	0.3	-2.1	-0.04	0.01	-0.08	-2.8	-0.63
Difference Minimum	3	-118	3	-118	0	-36	-16.3	1.4	0.0	-3.0	-0.33	-0.01	-0.21	-14.4	-4.60
Difference 85th	17	-48	17	-48	15	-5	-5.2	7.3	1.0	-2.0	-0.09	0.02	-0.13	-3.0	-0.79

Percentile															
Difference Maximum	27	-41	27	-41	21	-5	-4.0	8.1	1.0	-2.0	0.32	0.02	-0.01	9.5	3.43
Std Dev Difference	*10*	*122*	*10*	*122*	*8*	*103*	*6.9*	*6.6*	*0.5*	*2.0*	*0.45*	*0.02*	*0.21*	*25.9*	*8.63*
% Difference	29%	-12%	4844%	-44%	N/D	-30%	-20.0%	14.7%	N/D	-44.4%	-3.65%	12.88%	-12.95%	-3.0%	-1.92%

Travel Time & Delay Report for US 278

Legend:

TT:
Travel Time from previous Node (seconds)

CTT:
Cumulative Travel Time since beginning of Run (seconds)

Delay:
Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

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[-] Collapse All

[-] After-type Trip Log "Trip #16", PM-period, started Tuesday 6/5/2018 3:41:27 PM ↑Contents

Entered artery 3:45:14 pm (227 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	41	41	5	5	0	0	40.5	40.5	0	0	1.59	0.08	0.93	127.7	43.86
to Colleton River Road (#3)	44	85	-6	-1	0	0	50.3	45.5	0	0	1.45	0.08	0.88	125.1	43.03
to Sawmill Creek Road (#4)	33	118	-1	-2	0	0	46.1	45.7	0	0	0.76	0.04	0.46	73.3	25.10
to Trimblestone Road (#5)	53	171	-2	-4	0	0	46.6	46.0	0	0	1.38	0.07	0.85	129.0	44.15
to Home Depot (#6)	47	217	12	8	0	0	33.1	43.2	0	0	1.31	0.06	0.77	115.4	39.54
to Crescent Drive (#7)	34	251	0	8	0	0	45.0	43.5	0	0	1.29	0.06	0.78	107.1	36.59
to Belfair Towne Village (#8)	54	305	-4	4	0	0	48.7	44.4	0	0	1.56	0.07	0.99	144.7	49.49
to Belfair Plantation (#9)	75	380	11	15	0	0	46.7	44.8	0	0	3.05	0.15	1.68	229.8	78.73
to Rose Hill Way (#10)	51	431	5	20	0	0	50.0	45.5	0	0	1.88	0.09	1.09	152.2	52.05
to Bluffton Fire (#14)	80	511	3	23	0	0	53.1	46.6	0	0	3.25	0.15	1.93	261.8	89.52
to Berkeley Hall (#12)	33	543	0	23	0	0	54.5	47.1	0	0	1.10	0.05	0.65	92.8	31.76
to Hampton Parkway (#13)	84	628	26	49	8	8	38.4	46.0	1	1	2.20	0.11	1.19	186.1	63.82

Entered artery 4:16:44 pm (2118 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.3	43.3	0	0	1.74	0.08	1.01	133.8	45.69
to Colleton River Road (#3)	43	82	-7	-5	0	0	51.2	47.5	0	0	1.59	0.08	0.99	135.4	46.48
to Sawmill Creek Road (#4)	37	119	3	-1	0	0	41.0	45.5	0	0	0.99	0.05	0.51	80.1	27.56
to Trimblestone Road (#5)	52	171	-3	-4	0	0	47.3	46.0	0	0	2.14	0.10	1.13	155.9	53.36
to Home Depot (#6)	42	212	7	3	0	0	37.1	44.3	0	0	1.27	0.06	0.68	101.9	35.01
to Crescent Drive (#7)	34	247	0	4	0	0	44.7	44.3	0	0	1.53	0.07	0.91	120.5	41.13
to Belfair Towne Village (#8)	122	369	65	68	61	61	21.3	36.7	1	1	2.07	0.10	1.15	182.5	62.56
to Belfair Plantation (#9)	73	442	9	77	0	61	47.8	38.5	0	1	2.67	0.12	1.63	226.0	77.23
to Rose Hill Way (#10)	75	517	29	106	16	77	34.0	37.9	1	2	1.69	0.08	0.96	155.6	53.31
to Bluffton Fire (#14)	90	607	13	119	0	77	47.2	39.3	0	2	3.83	0.18	2.17	292.8	100.24
to Berkeley Hall (#12)	60	667	27	147	7	84	29.8	38.4	1	3	1.58	0.07	0.83	130.4	44.67
to Hampton Parkway (#13)	64	731	6	153	0	84	50.2	39.5	0	3	3.19	0.15	1.73	227.5	77.75

Entered artery 4:51:42 pm (4215 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	1	1	0	0	44.9	44.9	0	0	1.56	0.07	0.91	122.8	41.92
to Colleton River Road (#3)	42	80	-7	-7	0	0	52.1	48.7	0	0	1.87	0.10	1.06	141.8	48.70
to Sawmill Creek Road (#4)	58	137	24	17	17	17	26.2	39.3	1	1	1.38	0.07	0.73	117.9	40.52
to Trimblestone Road (#5)	51	189	-3	14	0	17	47.7	41.6	0	1	1.97	0.09	1.16	159.2	54.43
to Home Depot (#6)	44	232	9	23	0	17	35.5	40.4	0	1	3.27	0.10	1.00	126.3	44.13
to Crescent Drive (#7)	34	267	0	24	0	17	44.6	41.0	0	1	1.55	0.07	0.81	109.3	37.46
to Belfair Towne Village (#8)	90	356	32	56	24	41	29.1	38.0	1	2	3.54	0.15	1.55	218.6	75.35
to Belfair Plantation (#9)	64	421	0	56	0	41	54.4	40.5	0	2	3.12	0.15	1.74	229.7	78.51
to Rose Hill Way (#10)	77	498	31	87	18	59	33.3	39.4	1	3	2.82	0.14	1.34	190.9	65.45
to Bluffton Fire (#14)	79	577	2	89	0	59	53.5	41.3	0	3	4.30	0.20	2.33	301.6	103.05
to Berkeley Hall (#12)	57	634	25	114	17	77	30.9	40.4	1	4	1.67	0.08	0.78	123.6	42.47
to Hampton Parkway (#13)	60	694	1	116	0	77	54.2	41.6	0	4	4.09	0.19	2.09	260.5	89.00

Entered artery 5:26:13 pm (6286 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	0	0	0	0	45.2	45.2	0	0	3.46	0.11	1.17	140.0	48.67
to Colleton River Road (#3)	43	80	-7	-7	0	0	52.0	48.8	0	0	1.68	0.09	1.00	135.8	46.65
to Sawmill Creek Road (#4)	45	125	12	5	0	0	33.4	43.3	0	0	1.26	0.06	0.68	104.2	35.88
to Trimblestone Road (#5)	53	177	-2	3	0	0	46.5	44.2	0	0	1.88	0.09	1.08	152.8	52.27
to Home Depot (#6)	44	221	9	12	0	0	35.1	42.4	0	0	1.20	0.06	0.67	102.9	35.31
to Crescent Drive (#7)	35	256	1	13	0	0	44.2	42.7	0	0	1.47	0.07	0.83	112.8	38.54
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Towne Village (#8)	57	313	0	13	0	0	45.4	43.2	0	0	1.84	0.09	1.12	159.2	54.62
to Belfair Plantation (#9)	68	382	4	17	0	0	51.5	44.7	0	0	2.56	0.12	1.49	206.6	70.64
to Rose Hill Way (#10)	47	429	1	18	0	0	54.1	45.7	0	0	2.01	0.09	1.08	147.5	50.42
to Bluffton Fire (#14)	79	508	2	20	0	0	53.6	46.9	0	0	3.55	0.17	2.02	269.3	92.07
to Berkeley Hall (#12)	31	539	-1	19	0	0	56.5	47.5	0	0	1.35	0.06	0.80	106.4	36.39
to Hampton Parkway (#13)	57	596	-2	18	0	0	56.9	48.4	0	0	2.86	0.14	1.60	208.5	71.30

Entered artery 5:58:19 pm (8213 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	42.7	42.7	0	0	11.63	0.17	1.31	134.4	50.88
to Colleton River Road (#3)	45	84	-5	-2	0	0	49.0	46.1	0	0	1.46	0.08	0.91	128.7	44.24
to Sawmill Creek Road (#4)	37	122	4	2	0	0	40.3	44.3	0	0	1.06	0.05	0.59	88.9	30.57
to Trimblestone Road (#5)	48	170	-6	-4	0	0	50.6	46.1	0	0	2.64	0.12	1.44	185.9	63.49
to Home Depot (#6)	39	209	4	0	0	0	39.9	44.9	0	0	1.00	0.05	0.57	88.4	30.41
to Crescent Drive (#7)	37	246	3	3	0	0	41.7	44.5	0	0	3.74	0.10	1.03	119.3	42.08
to Belfair Towne Village (#8)	52	298	-5	-3	0	0	49.6	45.4	0	0	1.91	0.09	1.12	156.5	53.58
to Belfair Plantation (#9)	74	372	10	7	0	0	47.3	45.8	0	0	4.11	0.18	1.70	230.5	79.27
to Rose Hill Way (#10)	46	418	-1	7	0	0	56.1	46.9	0	0	5.91	0.18	1.69	191.1	66.94
to Bluffton Fire (#14)	72	490	-5	2	0	0	58.8	48.6	0	0	4.04	0.38	2.21	277.1	96.90
to Berkeley Hall (#12)	31	522	-1	2	0	0	56.6	49.1	0	0	1.41	0.07	0.77	103.7	35.50
to Hampton Parkway (#13)	57	579	-1	0	0	0	56.4	49.8	0	0	2.31	0.11	1.39	187.7	64.20

[-] After-type Trip Log "Trip #19", PM-period, started Wednesday 6/6/2018 4:06:51 PM ↑Contents

Entered artery 4:08:52 pm (122 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	43.4	43.4	0	0	2.42	0.08	0.91	120.8	41.94
to Colleton River Road (#3)	48	87	-1	0	0	0	45.7	44.7	0	0	1.48	0.08	0.92	132.1	45.38
to Sawmill Creek Road (#4)	56	143	23	23	16	16	27.0	37.7	1	1	1.51	0.07	0.81	124.6	42.78
to Trimblestone Road (#5)	55	198	0	23	0	16	44.7	39.7	0	1	1.77	0.08	1.13	159.5	54.49
to Home Depot (#6)	35	233	1	24	0	16	43.9	40.3	0	1	0.74	0.03	0.49	78.7	26.93
to Crescent Drive (#7)	35	268	0	25	0	16	44.4	40.8	0	1	1.03	0.05	0.62	90.7	31.06
to Belfair Towne Village (#8)	95	363	37	62	25	41	27.4	37.3	1	2	2.60	0.12	1.34	200.3	68.58
to Belfair Plantation (#9)	73	436	9	71	0	41	47.8	39.1	0	2	3.00	0.15	1.62	223.0	76.41
to Rose Hill Way (#10)	72	508	26	97	16	57	35.4	38.6	1	3	2.49	0.12	1.31	188.6	64.67
to Bluffton Fire (#14)	78	587	1	99	0	57	54.1	40.6	0	3	7.49	0.22	2.50	306.5	106.49
to Berkeley Hall (#12)	60	647	28	127	19	76	29.4	39.6	1	4	1.31	0.07	0.66	113.3	38.93
to Hampton Parkway (#13)	62	709	4	131	0	76	51.9	40.7	0	4	3.69	0.17	1.92	246.1	84.06

Entered artery 4:41:53 pm (2103 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	32	32	-5	-5	0	0	52.2	52.2	0	0	1.21	0.06	0.72	98.9	33.83
to Colleton River Road (#3)	44	76	-6	-11	0	0	50.9	51.4	0	0	1.39	0.08	0.87	123.9	42.60
to Sawmill Creek Road (#4)	28	104	-5	-16	0	0	53.5	52.0	0	0	1.17	0.05	0.70	94.4	32.26
to Trimblestone Road (#5)	45	149	-9	-25	0	0	53.9	52.6	0	0	1.51	0.07	0.95	133.4	45.66
to Home Depot (#6)	42	191	7	-18	0	0	36.9	49.1	0	0	1.78	0.09	0.91	125.5	43.09
to Crescent Drive (#7)	33	225	-1	-18	0	0	46.0	48.7	0	0	0.98	0.04	0.60	87.9	30.06
to Belfair Towne Village (#8)	57	282	-1	-19	0	0	45.6	48.0	0	0	1.64	0.08	0.96	143.1	49.01
to Belfair Plantation (#9)	67	349	3	-16	0	0	52.1	48.8	0	0	2.69	0.12	1.58	215.0	73.50
to Rose Hill Way (#10)	53	402	7	-9	0	0	48.2	48.7	0	0	1.52	0.07	0.94	138.2	47.31
to Bluffton Fire (#14)	78	480	1	-8	0	0	54.7	49.7	0	0	3.59	0.17	2.03	269.7	92.20
to Berkeley Hall (#12)	101	581	69	61	45	45	17.6	44.1	1	1	1.62	0.08	0.82	136.4	46.96
to Hampton Parkway (#13)	63	644	4	65	0	45	51.5	44.8	0	1	3.46	0.16	1.76	229.5	78.41

Entered artery 5:15:31 pm (4121 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	0	0	0	0	45.9	45.9	0	0	1.82	0.08	1.02	133.2	45.51
to Colleton River Road (#3)	43	79	-7	-7	0	0	51.8	49.1	0	0	1.59	0.08	0.98	134.5	46.17
to Sawmill Creek Road (#4)	43	122	10	2	0	0	35.0	44.1	0	0	1.26	0.06	0.64	98.4	33.83
to Trimblestone Road (#5)	54	177	0	2	0	0	45.1	44.4	0	0	2.24	0.10	1.26	172.7	59.01
to Home Depot (#6)	56	233	21	24	10	10	27.8	40.4	1	1	1.29	0.06	0.70	114.7	39.34
to Crescent Drive (#7)	35	268	1	25	0	10	43.6	40.8	0	1	1.53	0.07	0.85	114.9	39.29
to Belfair Towne Village (#8)	53	321	-5	20	0	10	49.0	42.2	0	1	1.78	0.08	1.05	149.7	51.21
to Belfair Plantation (#9)	80	401	16	37	7	16	43.7	42.5	1	2	12.70	0.27	2.57	284.5	102.18
to Rose Hill Way (#10)	46	447	-1	36	0	16	56.0	43.9	0	2	2.34	0.11	1.22	160.3	54.88
to Bluffton Fire (#14)	74	521	-3	33	0	16	57.2	45.8	0	2	3.88	0.19	2.12	275.4	94.20
to Berkeley Hall (#12)	39	560	7	40	0	16	45.9	45.8	0	2	2.23	0.11	1.02	134.0	45.93
to Hampton Parkway (#13)	61	621	3	43	0	16	52.6	46.4	0	2	2.35	0.11	1.31	182.8	62.59

Entered artery 5:44:38 pm (5868 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	-1	-1	0	0	47.1	47.1	0	0	6.61	0.17	1.61	173.1	61.14
to Colleton River Road (#3)	40	76	-9	-10	0	0	54.7	51.1	0	0	1.68	0.09	0.98	131.3	45.13
to Sawmill Creek Road (#4)	37	113	3	-7	0	0	41.0	47.8	0	0	0.94	0.05	0.49	77.9	26.81
to Trimblestone Road (#5)	51	164	-3	-10	0	0	48.1	47.9	0	0	2.41	0.11	1.29	172.0	58.79
to Home Depot (#6)	56	220	21	11	16	16	27.7	42.8	1	1	1.35	0.07	0.72	116.6	40.04
to Crescent Drive (#7)	39	259	5	16	0	16	39.6	42.3	0	1	1.52	0.07	0.86	118.4	40.53
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Towne Village (#8)	57	315	-1	14	0	16	45.9	42.9	0	1	3.28	0.14	1.29	174.0	60.03
to Belfair Plantation (#9)	76	391	12	26	0	16	46.2	43.6	0	1	3.74	0.18	1.89	252.4	86.47
to Rose Hill Way (#10)	53	444	7	33	0	16	48.6	44.2	0	1	2.13	0.10	1.26	170.0	58.20
to Bluffton Fire (#14)	77	521	0	33	0	16	55.2	45.8	0	1	4.45	0.21	2.36	302.3	103.30
to Berkeley Hall (#12)	30	551	-2	31	0	16	59.6	46.5	0	1	1.56	0.07	0.85	110.1	37.67
to Hampton Parkway (#13)	58	608	-1	30	0	16	56.1	47.4	0	1	2.15	0.10	1.23	171.9	58.85

[-] Before-type Trip Log "Trip #33:43:23 PM", PM-period, started Monday 3/26/2018 3:43:22 PM ↑Contents

Entered artery 3:44:39 pm (78 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	43.8	43.8	0	0	1.54	0.08	0.90	122.1	41.93
to Colleton River Road (#3)	43	82	-6	-5	0	0	51.0	47.6	0	0	1.46	0.08	0.92	128.3	44.09
to Sawmill Creek Road (#4)	30	112	-3	-8	0	0	50.2	48.3	0	0	0.99	0.04	0.63	88.3	30.19
to Trimblestone Road (#5)	53	165	-1	-10	0	0	46.3	47.7	0	0	1.08	0.05	0.75	118.9	40.71
to Home Depot (#6)	71	236	37	27	25	25	21.6	39.8	1	1	1.11	0.05	0.64	109.4	37.51
to Crescent Drive (#7)	37	273	3	30	0	25	41.6	40.0	0	1	1.42	0.06	0.89	120.5	41.12
to Belfair Towne Village (#8)	51	324	-7	23	0	25	51.1	41.8	0	1	1.74	0.08	1.11	154.4	52.76
to Belfair Plantation (#9)	67	391	3	26	0	25	52.1	43.5	0	1	2.38	0.11	1.49	206.3	70.51
to Rose Hill Way (#10)	46	437	0	26	0	25	55.6	44.8	0	1	1.90	0.09	1.10	149.6	51.12
to Bluffton Fire (#14)	77	515	1	27	0	25	54.8	46.3	0	1	3.64	0.17	2.05	271.0	92.64
to Berkeley Hall (#12)	39	553	7	33	0	25	45.7	46.3	0	1	0.89	0.04	0.53	83.9	28.77
to Hampton Parkway (#13)	60	614	2	35	0	25	53.8	47.0	0	1	2.94	0.13	1.69	220.8	75.42

Entered artery 4:12:36 pm (1754 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	2	2	0	0	42.7	42.7	0	0	2.18	0.10	1.18	152.0	51.89
to Colleton River Road (#3)	62	101	12	15	11	11	35.7	38.4	1	1	1.72	0.10	0.94	142.6	49.11
to Sawmill Creek Road (#4)	32	134	-1	14	0	11	46.8	40.4	0	1	1.98	0.09	1.03	131.1	44.73
to Trimblestone Road (#5)	47	180	-8	6	0	11	52.5	43.6	0	1	1.70	0.08	0.99	138.3	47.31
to Home Depot (#6)	72	252	37	43	32	43	21.6	37.3	1	2	1.63	0.08	0.80	121.2	41.60
to Crescent Drive (#7)	47	299	13	56	0	43	32.8	36.6	0	2	1.40	0.06	0.74	111.1	38.05
to Belfair Towne Village (#8)	63	362	5	61	0	43	41.2	37.4	0	2	2.19	0.10	1.26	179.1	61.40
to Belfair Plantation (#9)	67	429	3	64	0	43	52.4	39.7	0	2	3.07	0.14	1.77	233.6	79.82
to Rose Hill Way (#10)	47	476	1	65	0	43	54.0	41.2	0	2	1.99	0.10	1.10	149.2	51.10
to Bluffton Fire (#14)	76	552	-1	64	0	43	55.8	43.2	0	2	3.48	0.17	1.92	256.3	87.70
to Berkeley Hall (#12)	36	588	4	68	0	43	49.7	43.6	0	2	1.15	0.05	0.69	98.9	33.81
to Hampton Parkway (#13)	58	646	-1	67	0	43	56.1	44.7	0	2	2.97	0.14	1.69	218.5	74.64

Entered artery 4:44:51 pm (3690 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-1	-1	0	0	47.3	47.3	0	0	1.65	0.07	0.97	127.4	43.48
to Colleton River Road (#3)	44	79	-6	-7	0	0	50.7	49.2	0	0	1.13	0.07	0.76	113.0	38.87
to Sawmill Creek Road (#4)	30	109	-4	-11	0	0	51.0	49.7	0	0	1.08	0.05	0.67	92.8	31.69
to Trimblestone Road (#5)	58	166	3	-8	0	0	42.6	47.2	0	0	1.27	0.06	0.78	124.9	42.77
to Home Depot (#6)	41	207	6	-2	0	0	37.9	45.4	0	0	0.97	0.05	0.55	87.9	30.16
to Crescent Drive (#7)	115	322	81	79	68	68	13.3	33.9	1	1	1.37	0.07	0.72	121.6	41.78
to Belfair Towne Village (#8)	83	405	25	104	15	83	31.5	33.4	1	2	3.65	0.14	1.51	209.7	72.25
to Belfair Plantation (#9)	81	486	17	122	0	83	43.1	35.0	0	2	3.14	0.15	1.70	236.8	81.07
to Rose Hill Way (#10)	53	539	7	128	0	83	48.3	36.3	0	2	2.01	0.09	1.18	163.1	55.76
to Bluffton Fire (#14)	86	625	9	137	0	83	49.6	38.1	0	2	2.99	0.14	1.70	241.0	82.40
to Berkeley Hall (#12)	40	665	8	145	0	83	44.6	38.5	0	2	1.05	0.05	0.68	101.5	34.73
to Hampton Parkway (#13)	64	729	6	150	0	83	50.5	39.6	0	2	2.35	0.11	1.41	195.0	66.63

Entered artery 5:16:29 pm (5587 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	33	33	-3	-3	0	0	50.1	50.1	0	0	1.51	0.07	0.84	112.0	38.33
to Colleton River Road (#3)	42	75	-8	-11	0	0	52.8	51.6	0	0	1.64	0.09	0.97	131.9	45.34
to Sawmill Creek Road (#4)	28	103	-6	-17	0	0	54.7	52.4	0	0	1.20	0.05	0.72	95.4	32.58
to Trimblestone Road (#5)	47	150	-8	-25	0	0	52.5	52.5	0	0	1.28	0.06	0.83	121.9	41.74
to Home Depot (#6)	58	208	23	-1	12	12	26.7	45.3	1	1	1.36	0.06	0.73	119.5	40.91
to Crescent Drive (#7)	104	312	70	69	58	70	14.7	35.1	1	2	1.79	0.08	0.89	138.3	47.38
to Belfair Towne Village (#8)	143	455	85	154	69	139	18.2	29.8	1	3	2.43	0.11	1.33	221.4	75.90
to Belfair Plantation (#9)	65	520	1	155	0	139	54.2	32.8	0	3	3.06	0.14	1.76	231.8	79.23
to Rose Hill Way (#10)	45	565	-1	154	0	139	56.6	34.7	0	3	2.04	0.09	1.20	158.4	54.15
to Bluffton Fire (#14)	75	639	-2	152	0	139	56.9	37.3	0	3	3.20	0.15	1.91	255.1	87.17
to Berkeley Hall (#12)	38	677	5	157	0	139	47.3	37.8	0	3	1.26	0.06	0.72	103.1	35.29
to Hampton Parkway (#13)	77	754	19	176	12	151	41.9	38.3	1	4	2.83	0.14	1.52	210.1	72.04

Entered artery 5:48:47 pm (7525 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	36	36	0	0	0	0	46.0	46.0	0	0	7.66	0.17	1.54	169.6	60.42
to Colleton River Road (#3)	41	78	-9	-9	0	0	53.6	50.0	0	0	1.46	0.08	0.93	127.7	43.86
to Sawmill Creek Road (#4)	46	124	13	4	10	10	32.7	43.6	1	1	1.04	0.05	0.60	97.3	33.44
to Trimblestone Road (#5)	54	178	0	4	0	10	45.2	44.1	0	1	2.14	0.10	1.27	173.5	59.27
to Home Depot (#6)	60	238	26	29	8	17	25.6	39.4	1	2	1.02	0.05	0.55	102.4	35.20
to Crescent Drive (#7)	47	286	13	43	0	17	32.3	38.2	0	2	1.22	0.06	0.65	103.5	35.46
to Belfair															

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
Towne Village (#8)	58	344	0	43	0	17	45.1	39.4	0	2	3.02	0.14	1.47	195.7	67.06
to Belfair Plantation (#9)	65	409	1	44	0	17	53.7	41.7	0	2	2.52	0.11	1.55	211.5	72.25
to Rose Hill Way (#10)	46	455	0	44	0	17	55.4	43.1	0	2	1.97	0.09	1.20	159.4	54.44
to Bluffton Fire (#14)	72	527	-5	39	0	17	58.6	45.2	0	2	3.56	0.16	2.07	269.6	92.07
to Berkeley Hall (#12)	34	561	2	41	0	17	52.8	45.7	0	2	0.87	0.04	0.58	86.1	29.49
to Hampton Parkway (#13)	58	619	-1	40	0	17	56.0	46.6	0	2	2.69	0.12	1.53	202.5	69.19

Entered artery 6:17:25 pm (9244 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	1	1	0	0	44.8	44.8	0	0	1.54	0.07	0.91	123.0	42.02
to Colleton River Road (#3)	58	96	9	9	0	0	37.9	40.6	0	0	1.44	0.08	0.82	128.8	44.42
to Sawmill Creek Road (#4)	32	128	-2	8	0	0	47.5	42.3	0	0	5.24	0.12	1.24	139.4	49.27
to Trimblestone Road (#5)	52	179	-3	5	0	0	47.3	43.8	0	0	1.23	0.06	0.77	119.6	40.97
to Home Depot (#6)	66	246	32	37	22	22	23.3	38.2	1	1	1.51	0.07	0.78	121.4	41.63
to Crescent Drive (#7)	84	330	50	86	39	61	18.4	33.2	1	2	1.43	0.07	0.77	121.4	41.66
to Belfair Towne Village (#8)	122	451	64	151	57	118	21.4	30.0	1	3	2.81	0.13	1.45	210.1	71.98
to Belfair Plantation (#9)	66	518	2	153	0	118	53.0	32.9	0	3	4.56	0.21	2.37	294.2	100.43
to Rose Hill Way (#10)	40	558	-6	147	0	118	63.3	35.1	0	3	2.54	0.12	1.25	159.5	54.50
to Bluffton Fire (#14)	77	634	0	147	0	118	55.3	37.6	0	3	3.09	0.15	1.79	244.3	83.60
to Berkeley Hall (#12)	34	669	2	149	0	118	51.7	38.3	0	3	1.06	0.05	0.66	95.1	32.56
to Hampton Parkway (#13)	55	724	-4	145	0	118	58.8	39.9	0	3	3.26	0.15	1.79	226.8	77.45

[-] Before-type Trip Log "Trip #63:46:10 PM", PM-period, started Tuesday 3/27/2018 3:46:09 PM ↑Contents

Entered artery 3:47:55 pm (106 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	35	35	-2	-2	0	0	47.7	47.7	0	0	1.54	0.08	0.90	119.6	41.08
to Colleton River Road (#3)	44	79	-6	-8	0	0	50.7	49.4	0	0	1.27	0.07	0.79	115.1	39.61
to Sawmill Creek Road (#4)	29	108	-4	-12	0	0	52.0	50.1	0	0	1.27	0.06	0.76	100.6	34.37
to Trimblestone Road (#5)	55	162	0	-12	0	0	44.7	48.3	0	0	1.23	0.06	0.75	120.2	41.20
to Home Depot (#6)	48	210	13	1	0	0	32.5	44.7	0	0	1.09	0.05	0.64	102.8	35.27
to Crescent Drive (#7)	112	322	78	79	72	72	13.7	33.9	1	1	1.49	0.07	0.83	141.4	48.63
to Belfair Towne Village (#8)	92	414	34	113	22	94	28.4	32.7	1	2	20.05	0.27	2.01	215.1	82.37
to Belfair Plantation (#9)	87	501	23	136	0	94	40.3	34.0	0	2	2.90	0.13	1.64	235.7	80.66
to Rose Hill Way (#10)	58	559	12	148	0	94	43.8	35.0	0	2	2.93	0.14	1.46	194.7	66.58
to Bluffton Fire (#14)	76	635	-1	147	0	94	55.9	37.5	0	2	3.85	0.18	2.16	281.8	96.27
to Berkeley Hall (#12)	33	668	1	148	0	94	54.4	38.3	0	2	0.99	0.05	0.63	90.8	31.08
to Hampton Parkway (#13)	60	728	2	149	0	94	53.9	39.6	0	2	2.40	0.11	1.43	193.9	66.32

Entered artery 4:18:22 pm (1933 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	44.0	44.0	0	0	2.18	0.10	1.20	152.6	52.09
to Colleton River Road (#3)	64	102	14	15	11	11	34.8	38.2	1	1	1.45	0.08	0.86	137.1	47.22
to Sawmill Creek Road (#4)	33	135	0	15	0	11	45.4	40.0	0	1	2.03	0.09	1.11	140.0	47.78
to Trimblestone Road (#5)	47	182	-7	8	0	11	51.7	43.0	0	1	1.44	0.07	0.89	128.5	43.96
to Home Depot (#6)	64	246	29	37	20	31	24.3	38.2	1	2	1.20	0.06	0.65	109.8	37.68
to Crescent Drive (#7)	105	351	71	108	57	88	14.6	31.1	1	3	1.53	0.07	0.85	134.8	46.20
to Belfair Towne Village (#8)	112	464	54	163	45	133	23.2	29.2	1	4	2.53	0.12	1.38	203.9	69.83
to Belfair Plantation (#9)	81	544	17	179	0	133	43.5	31.3	0	4	4.30	0.20	2.21	288.5	98.69
to Rose Hill Way (#10)	51	596	5	185	0	133	49.6	32.9	0	4	2.33	0.11	1.30	173.1	59.20
to Bluffton Fire (#14)	79	675	2	187	0	133	53.7	35.3	0	4	3.30	0.16	1.79	244.3	83.61
to Berkeley Hall (#12)	37	711	4	191	0	133	48.5	36.0	0	4	1.42	0.06	0.89	120.5	41.13
to Hampton Parkway (#13)	56	767	-3	189	0	133	57.8	37.6	0	4	3.08	0.14	1.68	215.9	73.78

Entered artery 4:49:41 pm (3813 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	37	37	1	1	0	0	44.7	44.7	0	0	2.28	0.10	1.23	155.6	53.12
to Colleton River Road (#3)	42	79	-8	-7	0	0	53.1	49.1	0	0	1.30	0.08	0.85	120.1	41.28
to Sawmill Creek Road (#4)	28	108	-5	-12	0	0	53.1	50.2	0	0	1.19	0.05	0.73	97.4	33.26
to Trimblestone Road (#5)	55	162	1	-12	0	0	44.7	48.3	0	0	1.19	0.06	0.74	118.5	40.65
to Home Depot (#6)	88	251	54	42	42	42	17.5	37.5	1	1	1.49	0.07	0.84	133.8	45.88
to Crescent Drive (#7)	38	289	4	46	0	42	40.4	37.9	0	1	1.43	0.06	0.87	119.1	40.69
to Belfair Towne Village (#8)	52	340	-6	39	0	42	50.4	39.8	0	1	2.89	0.13	1.37	180.6	61.89
to Belfair Plantation (#9)	59	400	-5	35	0	42	59.1	42.6	0	1	2.98	0.14	1.68	218.7	74.75
to Rose Hill Way (#10)	45	444	-2	33	0	42	57.4	44.1	0	1	2.17	0.10	1.27	164.9	56.34
to Bluffton Fire (#14)	74	518	-3	30	0	42	57.6	46.0	0	1	3.69	0.17	1.97	258.8	88.50
to Berkeley Hall (#12)	38	555	5	35	0	42	47.3	46.1	0	1	1.52	0.07	0.73	103.6	35.44
to Hampton Parkway (#13)	59	614	1	36	0	42	54.7	47.0	0	1	2.14	0.10	1.29	179.6	61.37

Entered artery 5:20:35 pm (5667 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	39	39	3	3	0	0	42.7	42.7	0	0	3.74	0.09	1.04	128.1	44.93

Entered artery 5:22:56 pm (5807 seconds) traveling Westbound from Sawmill Creek Road (#4)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Trimblestone Road (#5)	53	53	-2	-2	0	0	46.4	46.4	0	0	1.18	0.07	0.78	121.6	41.84
to Home Depot (#6)	63	115	28	26	14	14	24.6	34.6	1	1	1.18	0.06	0.66	112.5	38.79
to Crescent Drive (#7)	39	155	5	32	0	14	38.8	35.7	0	1	1.23	0.05	0.80	114.1	38.97
to Belfair Towne Village (#8)	166	321	108	140	85	99	15.7	25.3	2	3	2.18	0.11	1.22	207.4	71.26

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Belfair Plantation (#9)	88	409	24	164	7	106	39.9	28.5	1	4	6.48	0.21	2.25	288.5	100.08
to Rose Hill Way (#10)	53	462	7	171	0	106	48.5	30.7	0	4	2.22	0.10	1.26	170.5	58.29
to Bluffton Fire (#14)	96	557	19	190	0	106	44.4	33.1	0	4	3.99	0.19	2.08	287.4	98.43
to Berkeley Hall (#12)	39	596	7	196	0	106	45.7	33.9	0	4	1.59	0.07	0.96	129.2	44.14
to Hampton Parkway (#13)	65	662	7	203	0	106	49.7	35.5	0	4	1.81	0.09	1.12	166.2	56.92

Entered artery 5:55:04 pm (7735 seconds) traveling Westbound from Moss Creek (#1)

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)	38	38	1	1	0	0	43.7	43.7	0	0	1.53	0.07	0.93	125.7	42.91
to Colleton River Road (#3)	45	83	-5	-4	0	0	49.8	47.0	0	0	1.33	0.08	0.86	123.8	42.56
to Sawmill Creek Road (#4)	28	111	-5	-9	0	0	53.6	48.7	0	0	1.83	0.08	0.93	116.7	39.86
to Trimblestone Road (#5)	50	161	-4	-13	0	0	48.7	48.7	0	0	0.88	0.04	0.59	100.4	34.41
to Home Depot (#6)	55	216	20	7	10	10	28.1	43.4	1	1	1.33	0.06	0.72	116.7	39.98
to Crescent Drive (#7)	89	305	55	62	42	52	17.3	35.8	1	2	1.70	0.08	0.88	135.1	46.34
to Belfair Towne Village (#8)	130	435	72	134	63	115	20.1	31.1	1	3	2.69	0.13	1.34	200.0	68.48
to Belfair Plantation (#9)	79	514	15	149	0	115	44.3	33.2	0	3	4.18	0.19	2.12	278.2	95.15
to Rose Hill Way (#10)	51	565	5	154	0	115	50.3	34.7	0	3	2.43	0.11	1.40	183.8	62.77
to Bluffton Fire (#14)	76	641	0	153	0	115	55.4	37.2	0	3	3.40	0.16	1.99	264.5	90.43
to Berkeley Hall (#12)	34	675	2	155	0	115	52.4	37.9	0	3	0.89	0.04	0.59	87.9	30.07
to Hampton Parkway (#13)	59	734	0	155	0	115	55.1	39.3	0	3	2.59	0.12	1.50	199.9	68.36

Cumulative Reports

[-] After-type Trip Log "Trip #16", PM-period, started Tuesday 6/5/2018 3:41:27 PM ↑Contents

Entered artery 3:45:14 pm (227 seconds) traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	628	49	8	46.0	1
to Hampton Parkway (#13)	731	153	84	39.5	3
to Hampton Parkway (#13)	694	116	77	41.6	4
to Hampton Parkway (#13)	596	18	0	48.4	0
to Hampton Parkway (#13)	579	0	0	49.8	0

[-] After-type Trip Log "Trip #19", PM-period, started Wednesday 6/6/2018 4:06:51 PM ↑Contents

Entered artery 4:08:52 pm (122 seconds) traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	709	131	76	40.7	4
to Hampton Parkway (#13)	644	65	45	44.8	1
to Hampton Parkway (#13)	621	43	16	46.4	2
to Hampton Parkway (#13)	608	30	16	47.4	1

[-] Before-type Trip Log "Trip #33:43:23 PM", PM-period, started Monday 3/26/2018 3:43:22 PM ↑Contents

Entered artery 3:44:39 pm (78 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	614	35	25	47.0	1
to Hampton Parkway (#13)	646	67	43	44.7	2
to Hampton Parkway (#13)	729	150	83	39.6	2
to Hampton Parkway (#13)	754	176	151	38.3	4
to Hampton Parkway (#13)	619	40	17	46.6	2
to Hampton Parkway (#13)	724	145	118	39.9	3

[-] Before-type Trip Log "Trip #63:46:10 PM", PM-period, started Tuesday 3/27/2018 3:46:09 PM ↑Contents

Entered artery 3:47:55 pm (106 seconds)
traveling Westbound from Moss Creek (#1)

Node	CTT	CD	CStopD	CAS	CStops
to Hampton Parkway (#13)	728	149	94	39.6	2
to Hampton Parkway (#13)	767	189	133	37.6	4
to Hampton Parkway (#13)	614	36	42	47.0	1
to Tanger Outlet #2 (#2)	39	3	0	42.7	0
to Hampton Parkway (#13)	662	203	106	35.5	4
to Hampton Parkway (#13)	734	155	115	39.3	3

Stantec Consulting Services Inc 4969 Centre Pointe Drive, Suite 200

Tuesday 6/12/2018 12:55:18 PM

Travel Time & Delay Report for US 278

Legend:

TT:
Summarized Travel Time from previous Node (seconds)

CTT:
Summarized Cumulative Travel Time since beginning of Run (seconds)

Delay:
Summarized Delay in Travel Time from previous Node based on user-specified design speed and distance (seconds) = TT - RT

CD:
Summarized Cumulative Delay since beginning of Run (seconds) = CTT - CRT

StopD:
Summarized Stopped Delay, or Time spent Waiting in Queue while traveling from previous Node (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

CStopD:
Summarized Cumulative Stopped Delay since beginning of Run (seconds). The "Stopped Delay" is counted from when the speed drops below 5 mph after exceeding 15 mph until it exceeds 15 mph once again

AS:
Summarized Actual Average Speed from previous Node (mph) = TL/TT

CAS:
Summarized Cumulative Actual Average Speed since beginning of Run (mph) = CTL/CTT

Stops:
Summarized Number of Stops in Travel from previous Node. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CStops:
Summarized Cumulative number of Stops in Run. A "Stop" is counted when the speed drops below 5 mph after exceeding 15 mph

CMEM_VC4_TCO:
Summarized Tailpipe-out, Hot-Stabilized CO emission (g/veh), Eqs. (14) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ECO*min(1,max(0,CMEM_VC4_COCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_THC:
Summarized Tailpipe-out, Hot-Stabilized HC emission (g/veh), Eqs. (15) and (23) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_EHC*min(1,max(0,CMEM_VC4_HCCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TNOx:
Summarized Tailpipe-out, Hot-Stabilized NOx emission (g/veh), Eqs. (21) and (24a-c) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. Revised 12/23/2011. (= CMEM_VC4_ENOx*min(1,max(0,CMEM_VC4_NOxCPF))*DT , summed point-to-point from the previous Node)

CMEM_VC4_TCO2:
Summarized Tailpipe-out, Hot-Stabilized CO2 emission (g/veh), from decompiled source code of COMPREHENSIVE MODAL EMISSIONS MODEL 3.01 Beta Java GUI, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight". (= CMEM_VC4_ECO2*DT , summed point-to-point from the previous Node)

CMEM_VC4_TFC:
Summarized Approximate Fuel Consumption (in g/veh), integrating Eqs. (12a-b) from NCHRP PROJECT 25 - 11: DEVELOPMENT OF A COMPREHENSIVE MODAL EMISSIONS MODEL FINAL REPORT, for a vehicle from Table 4.4 for Vehicle Technology Category #4: "3-way Catalyst, FI, >50K miles, low power/weight" and the CMEM Model 3.01 Beta Java GUI. (= CMEM_VC4_FR*DT , summed point-to-point from the previous Node)

Summary of runs Westbound from Moss Creek (#1)

11 Before-type runs, collected Monday 3/26/2018 to Tuesday 3/27/2018, over day(s) Mon, Tue, with starting times during 3:44:39 PM to 6:17:25 PM
9 After-type runs, collected Tuesday 6/5/2018 to Wednesday 6/6/2018, over day(s) Tue, Wed, with starting times during 3:45:14 PM to 5:58:19 PM

Node	TT	CTT	Delay	CD	StopD	CStopD	AS	CAS	Stops	CStops	CMEM_VC4_TCO	CMEM_VC4_THC	CMEM_VC4_TNOx	CMEM_VC4_TCO2	CMEM_VC4_TFC
to Tanger Outlet #2 (#2)															
Average Before (n=11)	37	37	0	0	0	0	45.2	45.2	0.0	0.0	2.48	0.09	1.06	135.3	46.56
Minimum Before (n=11)	33	33	-3	-3	0	0	42.7	42.7	0.0	0.0	1.51	0.07	0.84	112.0	38.33
85th Percentile Before (n=11)	39	39	2	2	0	0	47.7	47.7	0.0	0.0	3.74	0.10	1.23	155.6	53.12
Maximum Before (n=11)	39	39	3	3	0	0	50.1	50.1	0.0	0.0	7.66	0.17	1.54	169.6	60.42
Std Dev Before (n=11)	*2*	*2*	*2*	*2*	*0*	*0*	*2.3*	*2.3*	*0.0*	*0.0*	*1.84*	*0.03*	*0.21*	*18.7*	*6.78*
Average After (n=9)	37	37	1	1	0	0	45.0	45.0	0.0	0.0	3.56	0.10	1.06	131.6	45.94
Minimum After (n=9)	32	32	-5	-5	0	0	40.5	40.5	0.0	0.0	1.21	0.06	0.72	98.9	33.83
85th Percentile After (n=9)	39	39	2	2	0	0	47.1	47.1	0.0	0.0	6.61	0.17	1.31	140.0	50.88
Maximum After (n=9)	41	41	5	5	0	0	52.2	52.2	0.0	0.0	11.63	0.17	1.61	173.1	61.14
Std Dev After (n=9)	*3*	*3*	*3*	*3*	*0*	*0*	*3.3*	*3.3*	*0.0*	*0.0*	*3.45*	*0.04*	*0.26*	*19.6*	*7.47*
Difference	0	0	0	0	0	0	-0.2	-0.2	0.0	0.0	1.07	0.01	0.01	-3.6	-0.63
Difference Minimum	-1	-1	-1	-1	0	0	-2.2	-2.2	0.0	0.0	-0.30	-0.01	-0.12	-13.0	-4.50
Difference 85th Percentile	0	0	0	0	0	0	-0.6	-0.6	0.0	0.0	2.87	0.07	0.08	-15.6	-2.25
Difference Maximum	2	2	2	2	0	0	2.1	2.1	0.0	0.0	3.97	0.00	0.07	3.5	0.72

Std Dev Difference	3	3	3	3	0	0	4.1	4.1	0.0	0.0	3.91	0.05	0.34	27.1	10.08
% Difference	1%	1%	77%	77%	N/D	N/D	-0.5%	-0.5%	N/D	N/D	43.26%	9.66%	0.64%	-2.7%	-1.35%
to Colleton River Road (#3)															
Average Before (n=10)	49	85	-1	-1	2	2	47.0	46.1	0.2	0.2	1.42	0.08	0.87	126.8	43.63
Minimum Before (n=10)	41	75	-9	-11	0	0	34.8	38.2	0.0	0.0	1.13	0.07	0.76	113.0	38.87
85th Percentile Before (n=10)	62	101	12	15	11	11	53.1	50.0	1.0	1.0	1.64	0.09	0.94	137.1	47.22
Maximum Before (n=10)	64	102	14	15	11	11	53.6	51.6	1.0	1.0	1.72	0.10	0.97	142.6	49.11
Std Dev Before (n=10)	9	10	9	10	5	5	7.6	5.1	0.4	0.4	0.17	0.01	0.07	9.3	3.20
Average After (n=9)	44	81	-6	-6	0	0	50.9	48.1	0.0	0.0	1.57	0.08	0.95	132.1	45.38
Minimum After (n=9)	40	76	-9	-11	0	0	45.7	44.7	0.0	0.0	1.39	0.08	0.87	123.9	42.60
85th Percentile After (n=9)	45	85	-5	-1	0	0	52.1	51.1	0.0	0.0	1.68	0.09	1.00	135.8	46.65
Maximum After (n=9)	48	87	-1	0	0	0	54.7	51.4	0.0	0.0	1.87	0.10	1.06	141.8	48.70
Std Dev After (n=9)	2	4	2	4	0	0	2.5	2.4	0.0	0.0	0.15	0.01	0.06	5.6	1.91
Difference	-5	-4	-5	-4	-2	-2	3.8	2.0	-0.2	-0.2	0.16	0.00	0.08	5.2	1.74
Difference Minimum	-1	0	-1	0	0	0	10.9	6.5	0.0	0.0	0.26	0.01	0.11	10.9	3.73
Difference 85th Percentile	-17	-16	-17	-16	-11	-11	-1.0	1.1	-1.0	-1.0	0.04	0.00	0.06	-1.3	-0.57
Difference Maximum	-15	-15	-15	-15	-11	-11	1.1	-0.2	-1.0	-1.0	0.14	0.00	0.09	-0.7	-0.41
Std Dev Difference	9	11	9	11	5	5	8.0	5.6	0.4	0.4	0.23	0.01	0.09	10.8	3.73
% Difference	-10%	-5%	-352%	-350%	-100%	-100%	8.2%	4.3%	-100.0%	-100.0%	10.97%	6.15%	9.63%	4.1%	3.99%
to Sawmill Creek Road (#4)															
Average Before (n=10)	32	117	-2	-3	1	3	48.7	46.6	0.1	0.3	1.79	0.07	0.84	109.9	37.72
Minimum Before (n=10)	28	103	-6	-17	0	0	32.7	40.0	0.0	0.0	0.99	0.04	0.60	88.3	30.19
85th Percentile Before (n=10)	33	134	0	14	0	11	53.6	50.2	0.0	1.0	2.03	0.09	1.11	139.4	47.78
Maximum Before (n=10)	46	135	13	15	10	11	54.7	52.4	1.0	1.0	5.24	0.12	1.24	140.0	49.27
Std Dev Before (n=10)	5	12	5	12	3	5	6.4	4.5	0.3	0.5	1.28	0.03	0.22	20.1	7.13
Average After (n=9)	42	123	8	3	4	4	38.2	44.4	0.2	0.2	1.15	0.06	0.62	95.5	32.81
Minimum After (n=9)	28	104	-5	-16	0	0	26.2	37.7	0.0	0.0	0.76	0.04	0.46	73.3	25.10
85th Percentile After (n=9)	56	137	23	17	16	16	46.1	47.8	1.0	1.0	1.38	0.07	0.73	117.9	40.52
Maximum After (n=9)	58	143	24	23	17	17	53.5	52.0	1.0	1.0	1.51	0.07	0.81	124.6	42.78
Std Dev After (n=9)	10	12	10	12	7	7	8.8	4.2	0.4	0.4	0.23	0.01	0.12	17.7	6.10
Difference	10	6	10	6	3	1	-10.5	-2.2	0.1	-0.1	-0.64	-0.01	-0.22	-14.4	-4.91
Difference Minimum	1	1	1	1	0	0	-6.5	-2.2	0.0	0.0	-0.22	-0.01	-0.14	-15.0	-5.09
Difference 85th Percentile	23	4	23	4	16	5	-7.4	-2.4	1.0	0.0	-0.65	-0.02	-0.39	-21.5	-7.26
Difference Maximum	11	8	11	8	8	6	-1.3	-0.5	0.0	0.0	-3.73	-0.05	-0.43	-15.4	-6.48
Std Dev Difference	11	17	11	17	8	9	10.9	6.2	0.5	0.7	1.30	0.03	0.25	26.8	9.38
% Difference	31%	5%	551%	186%	284%	17%	-21.6%	-4.6%	122.2%	-25.9%	-35.65%	-18.97%	-25.98%	-13.1%	-13.01%
to Trimblestone Road (#5)															

Average Before (n=10)	52	169	-3	-6	0	3	47.6	46.7	0.0	0.3	1.34	0.06	0.83	126.5	43.30
Minimum Before (n=10)	47	150	-8	-25	0	0	42.6	43.0	0.0	0.0	0.88	0.04	0.59	100.4	34.41
85th Percentile Before (n=10)	55	180	1	6	0	11	52.5	48.7	0.0	1.0	1.70	0.08	0.99	138.3	47.31
Maximum Before (n=10)	58	182	3	8	0	11	52.5	52.5	0.0	1.0	2.14	0.10	1.27	173.5	59.27
Std Dev Before (n=10)	*4*	*11*	*4*	*11*	*0*	*5*	*3.6*	*3.0*	*0.0*	*0.5*	*0.35*	*0.02*	*0.18*	*19.0*	*6.47*
Average After (n=9)	51	174	-3	0	0	4	47.9	45.4	0.0	0.2	1.99	0.09	1.14	157.8	53.96
Minimum After (n=9)	45	149	-9	-25	0	0	44.7	39.7	0.0	0.0	1.38	0.07	0.85	129.0	44.15
85th Percentile After (n=9)	54	189	0	14	0	16	50.6	47.9	0.0	1.0	2.41	0.11	1.29	172.7	59.01
Maximum After (n=9)	55	198	0	23	0	17	53.9	52.6	0.0	1.0	2.64	0.12	1.44	185.9	63.49
Std Dev After (n=9)	*3*	*14*	*3*	*14*	*0*	*7*	*2.9*	*3.7*	*0.0*	*0.4*	*0.41*	*0.02*	*0.18*	*18.3*	*6.21*
Difference	0	5	0	5	0	1	0.2	-1.3	0.0	-0.1	0.65	0.03	0.31	31.4	10.66
Difference Minimum	-1	0	-1	0	0	0	2.2	-3.3	0.0	0.0	0.50	0.02	0.26	28.5	9.73
Difference 85th Percentile	-1	8	-1	8	0	5	-1.9	-0.8	0.0	0.0	0.71	0.03	0.30	34.4	11.70
Difference Maximum	-3	15	-3	15	0	6	1.4	0.1	0.0	0.0	0.49	0.02	0.17	12.4	4.22
Std Dev Difference	*5*	*18*	*5*	*18*	*0*	*9*	*4.6*	*4.8*	*0.0*	*0.7*	*0.54*	*0.02*	*0.26*	*26.4*	*8.97*
% Difference	-1%	3%	-14%	93%	N/D	17%	0.5%	-2.8%	N/D	-25.9%	48.18%	45.03%	36.95%	24.8%	24.62%
to Home Depot (#6)															
Average Before (n=10)	62	231	28	22	17	20	25.9	40.9	0.8	1.1	1.27	0.06	0.69	112.5	38.58
Minimum Before (n=10)	41	207	6	-2	0	0	17.5	37.3	0.0	0.0	0.97	0.05	0.55	87.9	30.16
85th Percentile Before (n=10)	72	251	37	42	32	42	32.5	45.3	1.0	2.0	1.51	0.07	0.80	121.4	41.63
Maximum Before (n=10)	88	252	54	43	42	43	37.9	45.4	1.0	2.0	1.63	0.08	0.84	133.8	45.88
Std Dev Before (n=10)	*13*	*19*	*13*	*19*	*14*	*15*	*5.9*	*3.4*	*0.4*	*0.7*	*0.23*	*0.01*	*0.10*	*12.9*	*4.40*
Average After (n=9)	45	219	10	10	3	7	35.2	43.1	0.2	0.4	1.47	0.06	0.73	107.8	37.09
Minimum After (n=9)	35	191	1	-18	0	0	27.7	40.3	0.0	0.0	0.74	0.03	0.49	78.7	26.93
85th Percentile After (n=9)	56	233	21	24	10	16	39.9	44.9	1.0	1.0	1.78	0.09	0.91	125.5	43.09
Maximum After (n=9)	56	233	21	24	16	17	43.9	49.1	1.0	1.0	3.27	0.10	1.00	126.3	44.13
Std Dev After (n=9)	*7*	*14*	*7*	*14*	*6*	*8*	*5.3*	*2.8*	*0.4*	*0.5*	*0.73*	*0.02*	*0.16*	*16.3*	*5.71*
Difference	-17	-12	-17	-12	-14	-14	9.3	2.2	-0.6	-0.7	0.20	0.00	0.03	-4.7	-1.49
Difference Minimum	-6	-16	-6	-16	0	0	10.2	3.0	0.0	0.0	-0.23	-0.01	-0.06	-9.2	-3.23
Difference 85th Percentile	-16	-18	-16	-18	-22	-26	7.5	-0.3	0.0	-1.0	0.27	0.01	0.11	4.1	1.45
Difference Maximum	-32	-19	-32	-19	-26	-25	6.0	3.8	0.0	-1.0	1.64	0.03	0.15	-7.5	-1.75
Std Dev Difference	*15*	*23*	*15*	*23*	*15*	*17*	*7.9*	*4.4*	*0.6*	*0.9*	*0.76*	*0.02*	*0.19*	*20.8*	*7.21*
% Difference	-28%	-5%	-63%	-55%	-83%	-68%	36.0%	5.4%	-72.2%	-59.6%	15.43%	7.76%	4.95%	-4.2%	-3.87%
to Crescent Drive (#7)															
Average Before (n=10)	78	309	44	66	34	54	23.9	35.6	0.6	1.7	1.48	0.07	0.81	124.7	42.73
Minimum Before (n=10)	37	273	3	30	0	17	13.3	31.1	0.0	1.0	1.22	0.06	0.65	103.5	35.46

85th Percentile Before (n=10)	112	330	78	86	68	72	40.4	38.2	1.0	2.0	1.70	0.08	0.89	138.3	47.38
Maximum Before (n=10)	115	351	81	108	72	88	41.6	40.0	1.0	3.0	1.79	0.08	0.89	141.4	48.63
Std Dev Before (n=10)	32	23	32	23	31	22	11.5	2.7	0.5	0.7	0.16	0.01	0.08	12.4	4.28
Average After (n=9)	35	254	1	11	0	7	43.8	43.2	0.0	0.4	1.63	0.07	0.81	109.0	37.42
Minimum After (n=9)	33	225	-1	-18	0	0	39.6	40.8	0.0	0.0	0.98	0.04	0.60	87.9	30.06
85th Percentile After (n=9)	37	268	3	25	0	16	45.0	44.5	0.0	1.0	1.55	0.07	0.91	119.3	41.13
Maximum After (n=9)	39	268	5	25	0	17	46.0	48.7	0.0	1.0	3.74	0.10	1.03	120.5	42.08
Std Dev After (n=9)	2	14	2	14	0	8	1.9	2.5	0.0	0.5	0.82	0.02	0.14	12.0	4.26
Difference	-43	-55	-43	-55	-34	-47	19.8	7.6	-0.6	-1.3	0.15	0.00	0.00	-15.7	-5.31
Difference Minimum	-4	-48	-4	-48	0	-17	26.3	9.7	0.0	-1.0	-0.24	-0.01	-0.05	-15.6	-5.40
Difference 85th Percentile	-75	-62	-75	-62	-68	-56	4.5	6.2	-1.0	-1.0	-0.15	-0.01	0.02	-19.0	-6.25
Difference Maximum	-77	-83	-77	-83	-72	-70	4.4	8.6	-1.0	-2.0	1.94	0.02	0.14	-20.9	-6.54
Std Dev Difference	32	27	32	27	31	24	11.7	3.7	0.5	0.9	0.84	0.02	0.16	17.3	6.04
% Difference	-55%	-18%	-98%	-83%	-100%	-88%	82.9%	21.4%	-100.0%	-73.9%	10.06%	-3.94%	0.25%	-12.6%	-12.44%

to Belfair Towne Village (#8)

Average Before (n=10)	91	399	33	98	27	81	33.1	34.5	0.6	2.3	4.40	0.13	1.42	197.0	68.39
Minimum Before (n=10)	51	324	-7	23	0	17	18.2	29.2	0.0	1.0	1.74	0.08	1.11	154.4	52.76
85th Percentile Before (n=10)	130	455	72	154	63	133	50.4	39.8	1.0	3.0	3.65	0.14	1.51	215.1	75.90
Maximum Before (n=10)	143	464	85	163	69	139	51.1	41.8	1.0	4.0	20.05	0.27	2.01	221.4	82.37
Std Dev Before (n=10)	34	53	34	53	29	46	12.8	4.7	0.5	0.9	5.52	0.05	0.24	20.3	8.29
Average After (n=9)	71	325	13	24	12	19	40.2	42.0	0.3	0.8	2.25	0.10	1.17	169.9	58.27
Minimum After (n=9)	52	282	-5	-19	0	0	21.3	36.7	0.0	0.0	1.56	0.07	0.96	143.1	49.01
85th Percentile After (n=9)	95	363	37	62	25	41	49.0	45.4	1.0	2.0	3.28	0.14	1.34	200.3	68.58
Maximum After (n=9)	122	369	65	68	61	61	49.6	48.0	1.0	2.0	3.54	0.15	1.55	218.6	75.35
Std Dev After (n=9)	25	31	25	31	21	23	11.0	3.9	0.5	0.8	0.73	0.03	0.19	26.3	9.14
Difference	-20	-75	-20	-75	-15	-62	7.2	7.6	-0.3	-1.5	-2.15	-0.03	-0.25	-27.2	-10.12
Difference Minimum	1	-42	1	-42	0	-17	3.1	7.5	0.0	-1.0	-0.19	-0.01	-0.15	-11.3	-3.75
Difference 85th Percentile	-35	-92	-35	-92	-38	-92	-1.4	5.6	0.0	-1.0	-0.37	0.00	-0.17	-14.8	-7.32
Difference Maximum	-21	-95	-21	-95	-7	-77	-1.5	6.3	0.0	-2.0	-16.51	-0.13	-0.46	-2.8	-7.02
Std Dev Difference	43	61	43	61	36	51	16.9	6.1	0.7	1.3	5.57	0.06	0.30	33.2	12.34
% Difference	-22%	-19%	-60%	-76%	-55%	-77%	21.7%	21.9%	-44.4%	-66.2%	-48.92%	-24.17%	-17.54%	-13.8%	-14.80%

to Belfair Plantation (#9)

Average Before (n=10)	72	471	8	106	0	81	49.6	36.7	0.0	2.3	3.31	0.15	1.83	243.5	83.26
Minimum Before (n=10)	59	391	-5	26	0	17	40.3	31.3	0.0	1.0	2.38	0.11	1.49	206.3	70.51
85th Percentile Before (n=10)	81	520	17	155	0	133	54.2	42.6	0.0	3.0	4.30	0.20	2.21	288.5	98.69
Maximum Before	87	544	23	179	0	139	59.1	43.5	0.0	4.0	4.56	0.21	2.37	294.2	100.43

(n=10)															
Std Dev Before (n=10)	9	58	9	58	0	46	6.2	4.7	0.0	0.9	0.76	0.03	0.30	31.9	10.91
Average After (n=9)	72	397	8	32	1	19	48.6	43.1	0.1	0.9	4.18	0.16	1.77	233.1	80.32
Minimum After (n=9)	64	349	0	-16	0	0	43.7	38.5	0.0	0.0	2.56	0.12	1.49	206.6	70.64
85th Percentile After (n=9)	76	436	12	71	0	41	52.1	45.8	0.0	2.0	4.11	0.18	1.89	252.4	86.47
Maximum After (n=9)	80	442	16	77	7	61	54.4	48.8	1.0	2.0	12.70	0.27	2.57	284.5	102.18
Std Dev After (n=9)	5	31	5	31	2	23	3.4	3.3	0.3	0.9	3.23	0.05	0.32	23.0	9.27
Difference	1	-74	1	-74	1	-61	-1.0	6.5	0.1	-1.4	0.87	0.01	-0.06	-10.5	-2.93
Difference Minimum	5	-42	5	-42	0	-17	3.4	7.2	0.0	-1.0	0.18	0.01	0.01	0.3	0.13
Difference 85th Percentile	-6	-84	-6	-84	0	-92	-2.1	3.1	0.0	-1.0	-0.19	-0.02	-0.32	-36.1	-12.23
Difference Maximum	-7	-102	-7	-102	7	-77	-4.7	5.3	1.0	-2.0	8.13	0.06	0.20	-9.7	1.75
Std Dev Difference	11	65	11	65	2	51	7.1	5.8	0.3	1.3	3.32	0.06	0.44	39.3	14.31
% Difference	1%	-16%	8%	-70%	N/D	-76%	-1.9%	17.6%	N/D	-61.4%	26.39%	4.47%	-3.34%	-4.3%	-3.52%
to Rose Hill Way (#10)															
Average Before (n=10)	48	519	2	108	0	81	53.4	38.2	0.0	2.3	2.23	0.10	1.24	165.6	56.59
Minimum Before (n=10)	40	437	-6	26	0	17	43.8	32.9	0.0	1.0	1.90	0.09	1.10	149.2	51.10
85th Percentile Before (n=10)	53	565	7	154	0	133	57.4	44.1	0.0	3.0	2.54	0.12	1.40	183.8	62.77
Maximum Before (n=10)	58	596	12	185	0	139	63.3	44.8	0.0	4.0	2.93	0.14	1.46	194.7	66.58
Std Dev Before (n=10)	5	59	5	59	0	46	5.5	4.6	0.0	0.9	0.33	0.02	0.12	14.5	4.95
Average After (n=9)	58	455	12	44	6	25	46.2	43.4	0.3	1.2	2.53	0.11	1.21	166.1	57.03
Minimum After (n=9)	46	402	-1	-9	0	0	33.3	37.9	0.0	0.0	1.52	0.07	0.94	138.2	47.31
85th Percentile After (n=9)	75	508	29	97	16	59	56.0	46.9	1.0	3.0	2.82	0.14	1.34	190.9	65.45
Maximum After (n=9)	77	517	31	106	18	77	56.1	48.7	1.0	3.0	5.91	0.18	1.69	191.1	66.94
Std Dev After (n=9)	13	42	13	42	8	31	9.4	3.9	0.5	1.3	1.33	0.03	0.23	20.1	7.16
Difference	9	-65	9	-65	6	-56	-7.2	5.2	0.3	-1.1	0.30	0.00	-0.04	0.5	0.43
Difference Minimum	5	-35	5	-35	0	-17	-10.5	5.0	0.0	-1.0	-0.37	-0.01	-0.16	-11.0	-3.79
Difference 85th Percentile	22	-57	22	-57	16	-73	-1.5	2.8	1.0	0.0	0.28	0.01	-0.06	7.1	2.68
Difference Maximum	18	-78	18	-78	18	-61	-7.2	3.9	1.0	-1.0	2.98	0.04	0.23	-3.6	0.36
Std Dev Difference	14	73	14	73	8	55	10.9	6.0	0.5	1.6	1.37	0.04	0.26	24.8	8.71
% Difference	19%	-12%	425%	-60%	N/D	-69%	-13.5%	13.6%	N/D	-46.9%	13.52%	4.20%	-2.85%	0.3%	0.76%
to Bluffton Fire (#14)															
Average Before (n=10)	77	596	0	108	0	81	55.4	40.4	0.0	2.3	3.42	0.16	1.94	258.7	88.44
Minimum Before (n=10)	72	515	-5	27	0	17	49.6	35.3	0.0	1.0	2.99	0.14	1.70	241.0	82.40
85th Percentile Before (n=10)	79	641	2	153	0	133	57.6	46.0	0.0	3.0	3.69	0.17	2.07	271.0	92.64
Maximum Before (n=10)	86	675	9	187	0	139	58.6	46.3	0.0	4.0	3.85	0.18	2.16	281.8	96.27
Std Dev Before (n=10)	4	61	4	61	0	46	2.5	4.3	0.0	0.9	0.28	0.01	0.14	13.3	4.49
Average After (n=9)	79	533	2	46	0	25	54.1	45.0	0.0	1.2	4.27	0.21	2.19	284.1	97.55

Minimum After (n=9)	72	480	-5	-8	0	0	47.2	39.3	0.0	0.0	3.25	0.15	1.93	261.8	89.52
85th Percentile After (n=9)	80	587	3	99	0	59	57.2	48.6	0.0	3.0	4.45	0.22	2.36	302.3	103.30
Maximum After (n=9)	90	607	13	119	0	77	58.8	49.7	0.0	3.0	7.49	0.38	2.50	306.5	106.49
Std Dev After (n=9)	5	45	5	45	0	31	3.2	3.7	0.0	1.3	1.27	0.07	0.19	16.8	5.97
Difference	2	-63	2	-63	0	-56	-1.2	4.6	0.0	-1.1	0.85	0.05	0.25	25.4	9.11
Difference Minimum	0	-35	0	-35	0	-17	-2.4	3.9	0.0	-1.0	0.26	0.01	0.24	20.8	7.11
Difference 85th Percentile	1	-55	1	-55	0	-73	-0.4	2.6	0.0	0.0	0.75	0.05	0.29	31.4	10.66
Difference Maximum	4	-67	4	-67	0	-61	0.2	3.4	0.0	-1.0	3.64	0.20	0.34	24.7	10.22
Std Dev Difference	6	76	6	76	0	55	4.0	5.6	0.0	1.6	1.30	0.07	0.24	21.4	7.47
% Difference	2%	-11%	1057%	-58%	N/D	-69%	-2.2%	11.4%	N/D	-46.9%	24.75%	28.41%	13.06%	9.8%	10.30%
to Berkeley Hall (#12)															
Average Before (n=10)	36	632	4	112	0	81	49.5	40.9	0.0	2.3	1.11	0.05	0.67	97.1	33.24
Minimum Before (n=10)	33	553	1	33	0	17	44.6	36.0	0.0	1.0	0.87	0.04	0.53	83.9	28.77
85th Percentile Before (n=10)	39	677	7	157	0	133	52.8	46.1	0.0	3.0	1.42	0.06	0.73	103.6	35.44
Maximum Before (n=10)	40	711	8	191	0	139	54.4	46.3	0.0	4.0	1.52	0.07	0.89	120.5	41.13
Std Dev Before (n=10)	2	60	2	60	0	46	3.3	4.0	0.0	0.9	0.23	0.01	0.10	10.9	3.70
Average After (n=9)	49	583	17	63	10	35	42.3	44.3	0.4	1.7	1.53	0.08	0.80	116.7	40.03
Minimum After (n=9)	30	522	-2	2	0	0	17.6	38.4	0.0	0.0	1.10	0.05	0.65	92.8	31.76
85th Percentile After (n=9)	60	647	28	127	19	77	56.6	47.5	1.0	4.0	1.67	0.08	0.85	134.0	45.93
Maximum After (n=9)	101	667	69	147	45	84	59.6	49.1	1.0	4.0	2.23	0.11	1.02	136.4	46.96
Std Dev After (n=9)	23	53	23	53	15	36	15.5	3.79	0.5	1.7	0.31	0.02	0.11	15.1	5.23
Difference	13	-50	13	-50	10	-46	-7.1	3.4	0.4	-0.6	0.42	0.02	0.13	19.6	6.80
Difference Minimum	-3	-32	-3	-32	0	-17	-27.0	2.4	0.0	-1.0	0.23	0.01	0.13	9.0	3.00
Difference 85th Percentile	22	-30	22	-30	19	-56	3.8	1.4	1.0	1.0	0.24	0.02	0.12	30.4	10.49
Difference Maximum	61	-44	61	-44	45	-55	5.2	2.8	1.0	0.0	0.70	0.04	0.13	15.9	5.82
Std Dev Difference	24	81	24	81	15	58	15.9	5.6	0.5	1.9	0.39	0.02	0.15	18.6	6.41
% Difference	36%	-8%	333%	-44%	N/D	-57%	-14.4%	8.4%	N/D	-27.5%	38.28%	44.46%	19.03%	20.2%	20.45%
to Hampton Parkway (#13)															
Average Before (n=10)	61	693	2	114	1	82	53.9	42.0	0.1	2.4	2.73	0.13	1.55	206.3	70.52
Minimum Before (n=10)	55	614	-4	35	0	17	41.9	37.6	0.0	1.0	2.14	0.10	1.29	179.6	61.37
85th Percentile Before (n=10)	64	754	6	176	0	133	57.8	47.0	0.0	4.0	3.08	0.14	1.69	220.8	75.42
Maximum Before (n=10)	77	767	19	189	12	151	58.8	47.0	1.0	4.0	3.26	0.15	1.79	226.8	77.45
Std Dev Before (n=10)	6	62	6	62	4	48	4.8	3.9	0.3	1.1	0.36	0.02	0.16	14.7	5.00
Average After (n=9)	63	646	4	67	1	36	52.0	45.0	0.1	1.8	2.92	0.14	1.58	211.2	72.22
Minimum After (n=9)	57	579	-2	0	0	0	38.4	39.5	0.0	0.0	2.15	0.10	1.19	171.9	58.85
85th Percentile After (n=9)	64	709	6	131	0	77	56.4	48.4	0.0	4.0	3.69	0.17	1.92	246.1	84.06
Maximum															

After (n=9)	84	731	26	153	8	84	56.9	49.8	1.0	4.0	4.09	0.19	2.09	260.5	89.00
Std Dev After (n=9)	8	54	8	54	3	35	5.6	3.6	0.3	1.6	0.72	0.03	0.32	31.2	10.59
Difference	2	-47	2	-47	0	-46	-1.8	3.0	0.0	-0.6	0.20	0.01	0.03	4.9	1.70
Difference Minimum	2	-35	2	-35	0	-17	-3.5	1.9	0.0	-1.0	0.01	0.01	-0.11	-7.6	-2.52
Difference 85th Percentile	0	-45	0	-45	0	-56	-1.4	1.4	0.0	0.0	0.61	0.03	0.23	25.3	8.65
Difference Maximum	7	-36	7	-36	-4	-67	-1.9	2.8	0.0	0.0	0.83	0.04	0.30	33.7	11.55
Std Dev Difference	11	82	11	82	5	59	7.4	5.3	0.5	1.9	0.80	0.04	0.35	34.5	11.71
% Difference	4%	-7%	118%	-41%	-24%	-56%	-3.4%	7.2%	11.1%	-25.9%	7.20%	8.96%	1.71%	2.4%	2.41%