

**DLZ OHIO, INC.**  
**SCI-823 PORTSMOUTH TRAFFIC MODEL**  
 BeforeTravel-Time Study

Study Name : **US 52 EB PM**  
 Study Date : **8/3/2012**  
 Page No. : 1

**Study Summary**

*Runs Used in This Study*

Run Title	Start Date	Start Time	Length	Before/After	Run Type
US 52-EB-001	07/17/12	16:35	68617	Before	Primary
US 52-EB-002	07/17/12	17:40	68508	Before	Primary
US 52-EB-003	07/18/12	16:03	68520	Before	Primary
US 52-EB-004	07/18/12	17:32	68538	Before	Primary

*Node Info*

#	Len	Name
1	0	
2	126	DRY RUN
3	12480	US 852/104 DIVERGE
4	2928	US 52 EB RAMP
5	7216	US 23 SB
6	9078	MALBERT ST
7	10674	SR 139
8	26043	US 52 EXIT RAMP

Length of Study Route = 68,545 feet

**Notes:**

**DLZ OHIO, INC.**  
**SCI-823 PORTSMOUTH TRAFFIC MODEL**  
 BeforeTravel-Time Study

Study Name : **US 52 EB PM**  
 Study Date : **8/3/2012**  
 Page No. : **2**

**Overall Output Statistics**

Node #	Length	Node	Travel Time	# of Stops	Avg Speed	Total Delay	Time <= 0 MPH	Time <= 35 MPH	Time <= 55 MPH
1	0								
2	126	DRY RUN	2.5	0.0	34.4	0.0	0.0	0.0	2.5
3	12480	US 852/104 DIVERGE	173.8	0.0	49.0	0.0	0.0	0.0	147.8
4	2928	US 52 EB RAMP	63.0	0.8	31.7	10.3	7.5	31.0	60.3
5	7216	US 23 SB	128.0	0.5	38.4	2.8	5.3	51.3	101.3
6	9078	MALBERT ST	241.3	2.0	25.7	64.3	20.0	210.5	241.3
7	10674	SR 139	266.3	2.0	27.3	58.0	9.8	226.3	266.3
8	26043	US 52 EXIT RAMP	372.8	1.3	47.6	0.0	3.8	80.3	228.5
<b>Total</b>	<b>68,545</b>		<b>1247.5</b>	<b>6.5</b>	<b>37.5</b>	<b>135.3</b>	<b>46.3</b>	<b>599.3</b>	<b>1047.8</b>

Stats based on 4 BEFORE runs.  
 Stops based on a Stop Speed of 5 MPH.  
 Total Delay based on a Normal Speed of 35 MPH.

**DLZ OHIO, INC.**  
**SCI-823 PORTSMOUTH TRAFFIC MODEL**  
 BeforeTravel-Time Study

Study Name : **US 52 EB PM**  
 Study Date : **8/3/2012**  
 Page No. : **3**

**Fuel Consumption & Emissions**

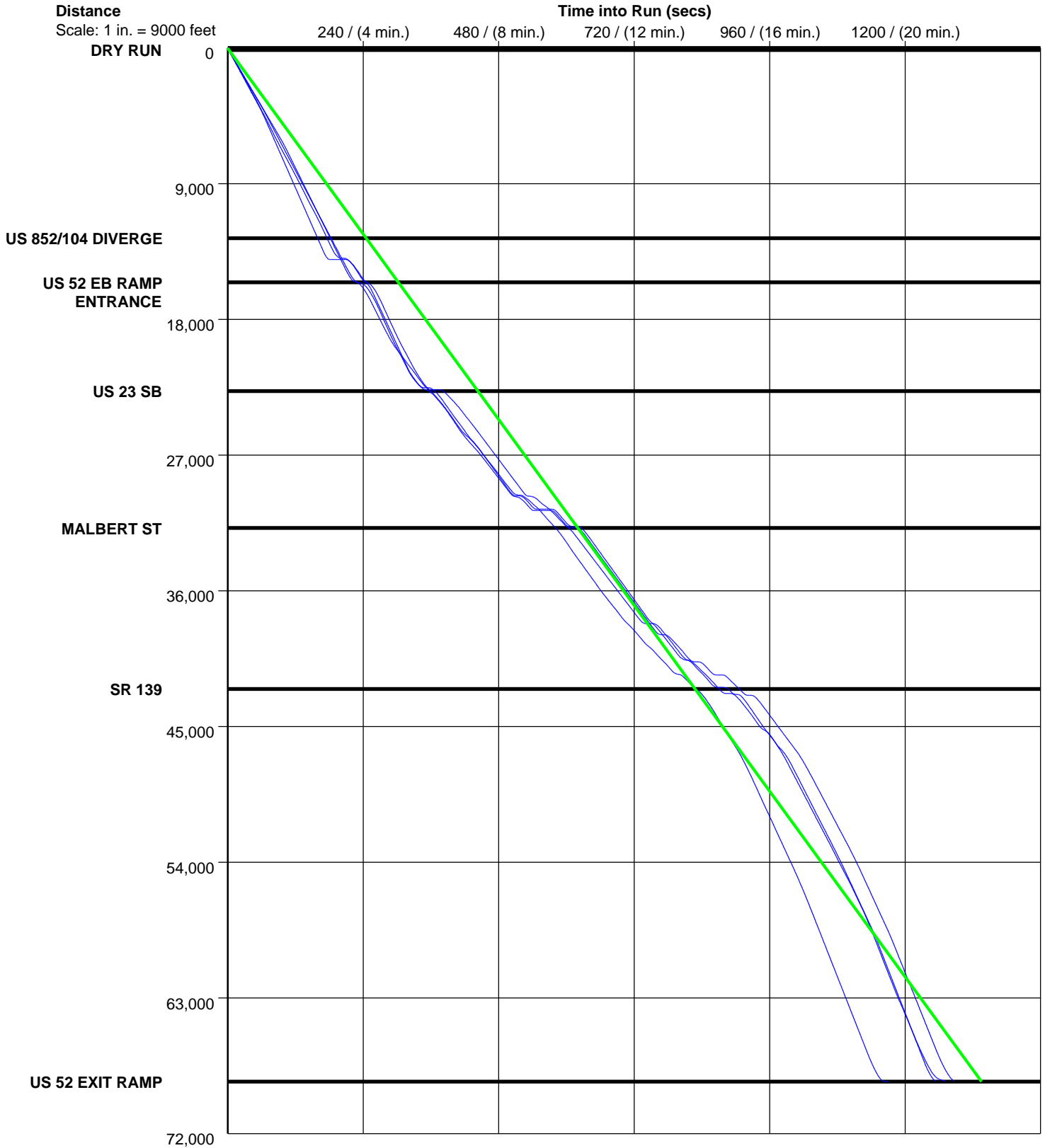
Node #	Length	Node Name	Fuel (gal)	HC (grams)	CO (grams)	NOx (grams)
1	0					
2	126	DRY RUN	0.0011	0.0450	0.4550	0.0021
3	12480	US 852/104 DIVERGE	0.1051	5.2375	71.0686	1.9256
4	2928	US 52 EB RAMP	0.0281	1.9677	19.6939	1.0102
5	7216	US 23 SB	0.0721	5.7906	73.2628	3.5213
6	9078	MALBERT ST	0.0829	7.3999	67.8303	3.6897
7	10674	SR 139	0.0937	7.9825	71.2958	3.8652
8	26043	US 52 EXIT RAMP	0.2469	13.0445	175.0122	6.1347
<b>Total</b>	<b>68,545</b>		<b>0.6299</b>	<b>41.4677</b>	<b>478.6185</b>	<b>20.1488</b>

Stats based on 4 BEFORE runs.

**DLZ OHIO, INC.**  
**SCI-823 PORTSMOUTH TRAFFIC MODEL**  
 Before Travel-Time Study

Study Name : **US 52 EB PM**  
 Study Date : **8/3/2012**  
 Page No. : **4**

**Time/Space Trajectories of All Runs**



**Solid Line is Normal Speed of 35 MPH**