

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

Study Name : **US 52 WB OFF**  
 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-WB-001	07/17/12	09:30	67648	Before	Primary
US 52-WB-002	07/17/12	10:15	67658	Before	Primary
US 52-WB-003	07/18/12	09:50	67577	Before	Primary
US 52-WB-004	07/18/12	10:36	67628	Before	Primary

*Node Info*

#	Len	Name
1	0	
2	48	US 52 ENTRANCE
3	26404	SR 139
4	10667	MALBERT ST
5	8814	US 23 SB
6	9802	US 73/852 MERGE
7	11892	DRY RUN RD

Length of Study Route = 67,627 feet

**Notes:**

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**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	48	US 52 ENTRANCE RAMP	3.3	0.0	10.1	2.3	0.0	3.3	3.3
3	26404	SR 139	408.5	1.5	44.1	0.0	13.3	130.8	272.8
4	10667	MALBERT ST	244.3	0.8	29.8	36.3	5.0	194.3	244.3
5	8814	US 23 SB	264.3	2.8	22.7	92.3	29.3	238.3	264.3
6	9802	US 73/852 MERGE	135.0	0.0	49.5	0.0	0.0	10.5	112.8
7	11892	DRY RUN RD	159.0	0.0	51.0	0.0	0.0	0.0	116.0
<b>Total</b>	<b>67,627</b>		<b>1214.3</b>	<b>5.0</b>	<b>38.0</b>	<b>130.8</b>	<b>47.5</b>	<b>577.0</b>	<b>1013.3</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.

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**Fuel Consumption & Emissions**

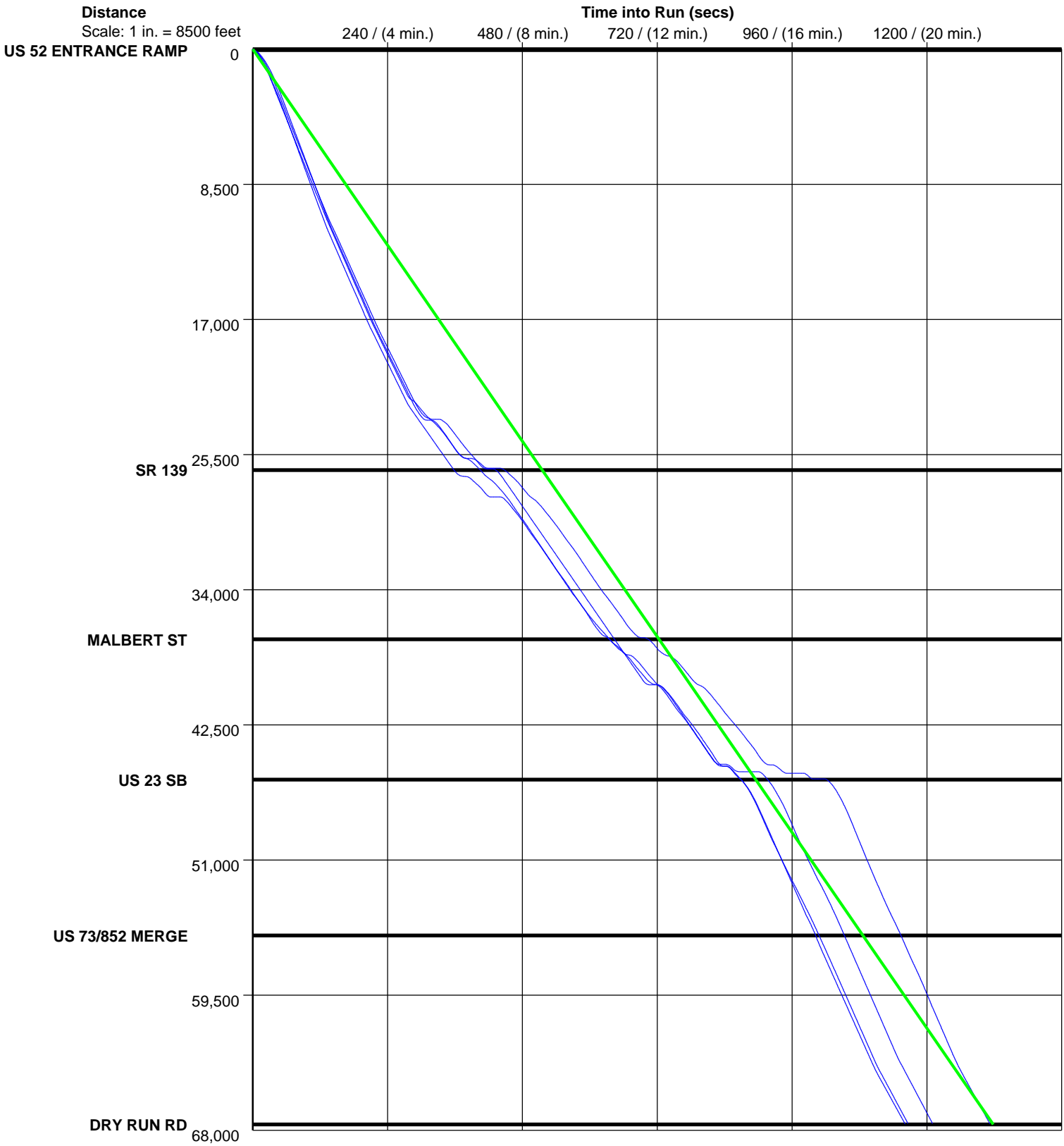
Node #	Length	Node Name	Fuel (gal)	HC (grams)	CO (grams)	NOx (grams)
1	0					
2	48	US 52 ENTRANCE RAMP	0.0009	0.1014	0.4364	0.0636
3	26404	SR 139	0.2549	14.8123	193.3366	7.3582
4	10667	MALBERT ST	0.0862	6.7108	64.7689	2.7634
5	8814	US 23 SB	0.0880	8.2545	71.1539	4.3226
6	9802	US 73/852 MERGE	0.0925	6.5368	96.1449	3.8211
7	11892	DRY RUN RD	0.0995	3.7942	47.1751	0.8916
<b>Total</b>	<b>67,627</b>		<b>0.6220</b>	<b>40.2098</b>	<b>473.0158</b>	<b>19.2205</b>

Stats based on 4 BEFORE runs.

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**Time/Space Trajectories of All Runs**



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