

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

Study Name : **US 52 WB AM**  
 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	08:24	67602	Before	Primary
US 52-WB-002	07/18/12	07:22	67422	Before	Primary
US 52-WB-003	07/18/12	08:02	67556	Before	Primary
US 52-WB-004	07/18/12	08:44	67598	Before	Primary

**Node Info**

#	Len	Name
1	0	
2	66	US 52 ENTRANCE
3	26350	SR 139
4	10648	MALBERT ST
5	8696	US 23 SB
6	9885	US 73/852 MERGE
7	11899	DRY RUN RD

Length of Study Route = 67,544 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	66	US 52 ENTRANCE RAMP	4.3	0.0	10.6	2.3	0.0	4.3	4.3
3	26350	SR 139	388.8	1.0	46.2	0.0	16.3	114.0	244.5
4	10648	MALBERT ST	263.5	1.5	27.6	56.0	25.5	206.5	263.5
5	8696	US 23 SB	262.8	2.8	22.6	93.0	45.0	233.3	262.8
6	9885	US 73/852 MERGE	146.5	0.3	46.0	0.0	6.8	26.3	126.5
7	11899	DRY RUN RD	157.0	0.0	51.7	0.0	0.0	0.0	120.0
<b>Total</b>	<b>67,544</b>		<b>1222.8</b>	<b>5.5</b>	<b>37.7</b>	<b>151.3</b>	<b>93.5</b>	<b>584.3</b>	<b>1021.5</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**

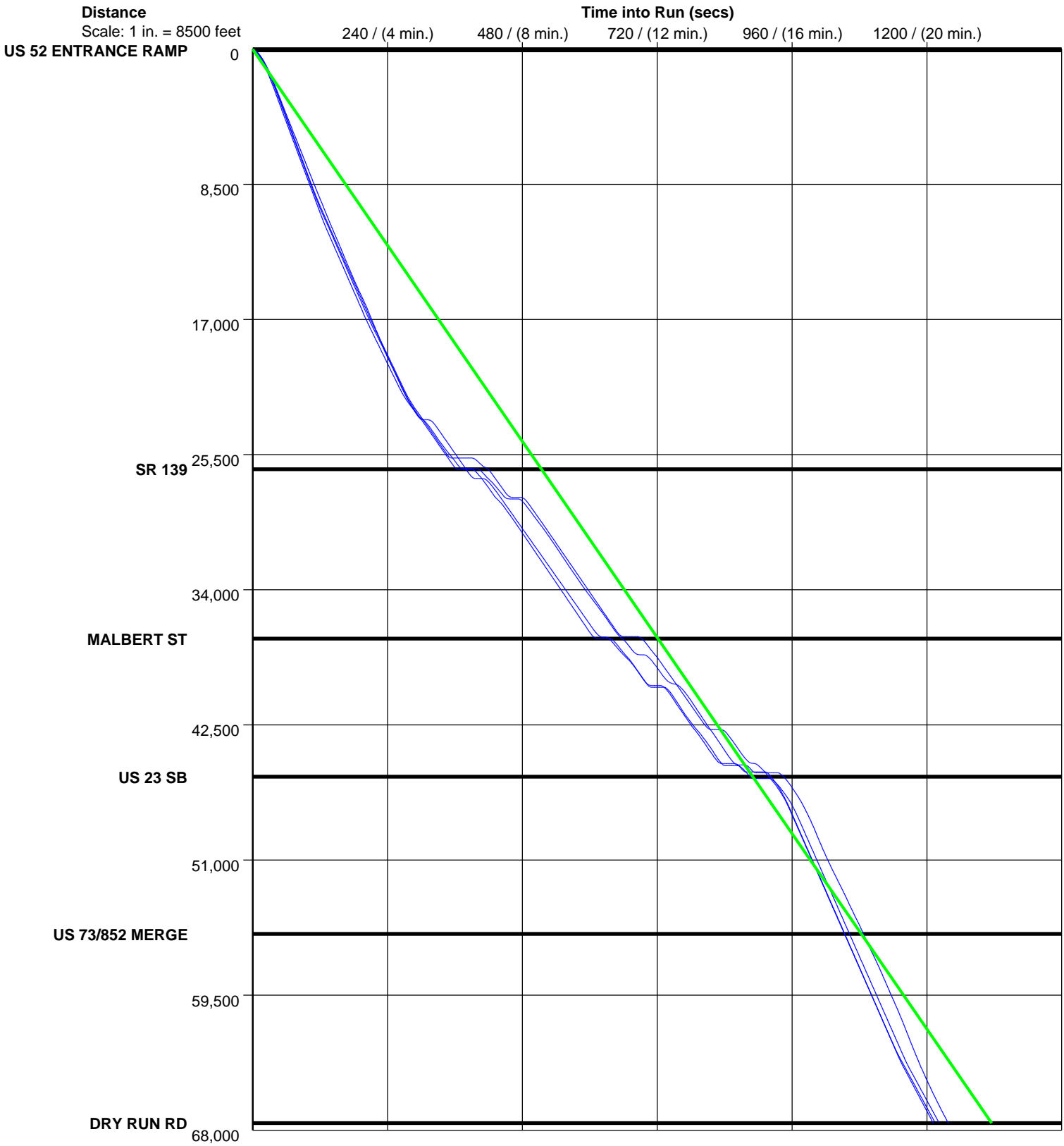
Node #	Length	Node Name	Fuel (gal)	HC (grams)	CO (grams)	NOx (grams)
1	0					
2	66	US 52 ENTRANCE RAMP	0.0014	0.1623	0.6274	0.1203
3	26350	SR 139	0.2529	13.9803	188.3569	6.6963
4	10648	MALBERT ST	0.0913	7.1009	66.6703	2.8320
5	8696	US 23 SB	0.0907	8.6904	76.7676	4.7593
6	9885	US 73/852 MERGE	0.0930	5.9004	81.2557	3.0979
7	11899	DRY RUN RD	0.1002	3.8331	48.2977	0.9590
<b>Total</b>	<b>67,544</b>		<b>0.6295</b>	<b>39.6676</b>	<b>461.9757</b>	<b>18.4648</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**