

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

Study Name : **US 52 WB 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-WB-001	07/17/12	16:08	67615	Before	Primary
US 52-WB-002	07/17/12	17:18	67411	Before	Primary
US 52-WB-003	07/18/12	16:25	67571	Before	Primary
US 52-WB-004	07/18/12	17:53	67459	Before	Primary

**Node Info**

#	Len	Name
1	0	
2	42	US 52 ENTRANCE
3	26363	SR 139
4	10662	MALBERT ST
5	8766	US 23 SB
6	9765	US 73/852 MERGE
7	11916	DRY RUN RD

Length of Study Route = 67,514 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	42	US 52 ENTRANCE RAMP	4.5	0.0	6.4	3.5	0.5	4.5	4.5
3	26363	SR 139	402.0	1.0	44.7	0.0	10.5	118.5	272.5
4	10662	MALBERT ST	271.3	1.5	26.8	63.3	14.5	260.5	271.3
5	8766	US 23 SB	280.5	2.8	21.3	109.3	44.0	270.3	280.5
6	9765	US 73/852 MERGE	134.8	0.0	49.4	0.0	0.0	10.3	119.5
7	11916	DRY RUN RD	159.5	0.0	50.9	0.0	0.0	0.0	136.8
<b>Total</b>	<b>67,514</b>		<b>1252.5</b>	<b>5.3</b>	<b>36.8</b>	<b>176.0</b>	<b>69.5</b>	<b>664.0</b>	<b>1085.0</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**

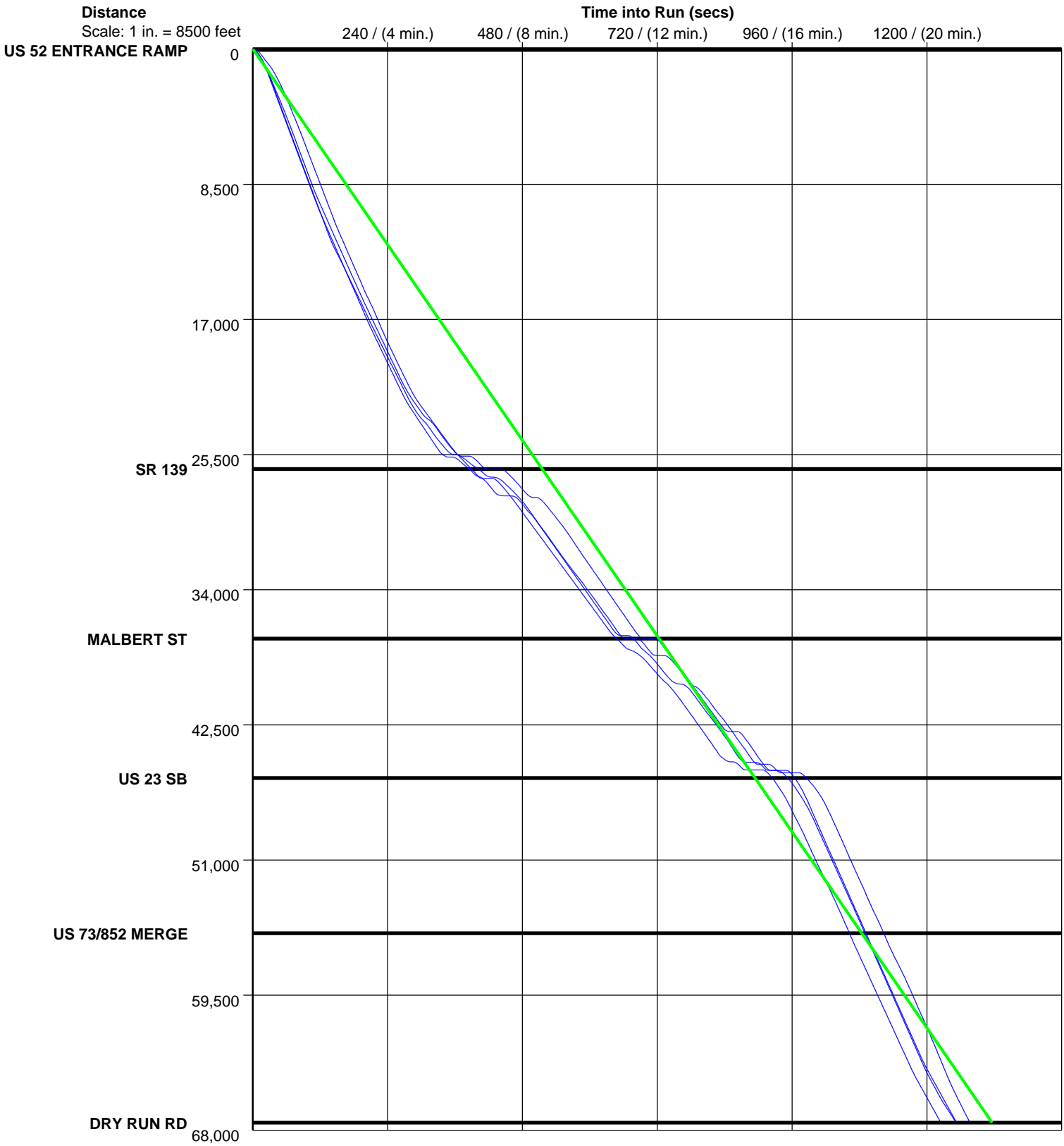
Node #	Length	Node Name	Fuel (gal)	HC (grams)	CO (grams)	NOx (grams)
1	0					
2	42	US 52 ENTRANCE RAMP	0.0015	0.1742	0.5084	0.1332
3	26363	SR 139	0.2532	14.6665	200.9780	7.0983
4	10662	MALBERT ST	0.0903	7.1023	64.8506	2.7548
5	8766	US 23 SB	0.0924	8.8847	76.6640	4.6970
6	9765	US 73/852 MERGE	0.0901	5.9901	88.4468	3.2831
7	11916	DRY RUN RD	0.1002	4.1378	53.2846	1.2186
<b>Total</b>	<b>67,514</b>		<b>0.6275</b>	<b>40.9555</b>	<b>484.7324</b>	<b>19.1849</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**