

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

Study Name : **US 52 EB 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-EB-001	07/17/12	08:46	68279	Before	Primary
US 52-EB-002	07/18/12	07:00	68463	Before	Primary
US 52-EB-003	07/18/12	07:43	68566	Before	Primary
US 52-EB-004	07/18/12	08:24	68542	Before	Primary

*Node Info*

#	Len	Name
1	0	
2	125	DRY RUN
3	12413	US 852/104 DIVERGE
4	2950	US 52 EB RAMP
5	7235	US 23 SB
6	9071	MALBERT ST
7	10678	SR 139
8	25990	US 52 EXIT RAMP

Length of Study Route = 68,462 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	125	DRY RUN	6.0	0.3	14.2	3.8	1.5	4.5	6.0
3	12413	US 852/104 DIVERGE	175.3	0.0	48.3	0.0	0.0	1.8	150.5
4	2950	US 52 EB RAMP	43.3	0.0	46.5	0.0	0.0	5.8	36.8
5	7235	US 23 SB	132.3	0.5	37.3	3.0	8.0	57.0	117.8
6	9071	MALBERT ST	229.8	2.0	26.9	52.8	15.0	215.5	229.8
7	10678	SR 139	241.0	1.3	30.2	32.8	9.3	186.5	241.0
8	25990	US 52 EXIT RAMP	372.8	0.8	47.5	0.0	5.0	87.5	254.8
<b>Total</b>	<b>68,462</b>		<b>1200.3</b>	<b>4.8</b>	<b>38.9</b>	<b>92.3</b>	<b>38.8</b>	<b>558.5</b>	<b>1036.5</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**

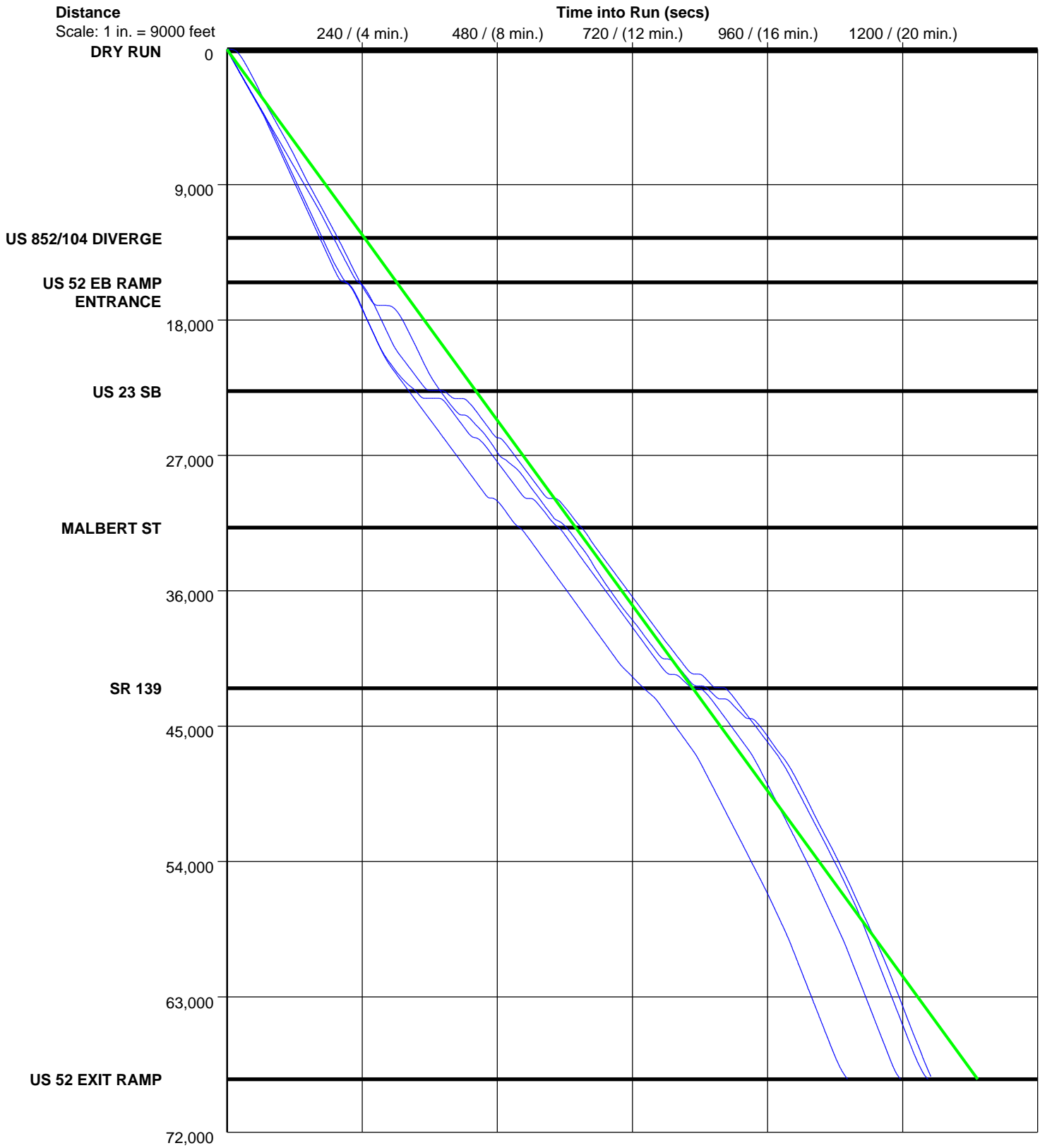
Node #	Length	Node Name	Fuel (gal)	HC (grams)	CO (grams)	NOx (grams)
1	0					
2	125	DRY RUN	0.0022	0.2057	1.1367	0.1310
3	12413	US 852/104 DIVERGE	0.1052	5.5552	74.6318	2.2293
4	2950	US 52 EB RAMP	0.0242	0.9179	9.9038	0.1962
5	7235	US 23 SB	0.0709	5.7261	73.3948	3.3514
6	9071	MALBERT ST	0.0832	7.4784	67.5185	3.9979
7	10678	SR 139	0.0876	6.7966	67.3326	2.8624
8	25990	US 52 EXIT RAMP	0.2436	13.1554	181.5268	6.0943
<b>Total</b>	<b>68,462</b>		<b>0.6168</b>	<b>39.8353</b>	<b>475.4450</b>	<b>18.8624</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**