

DLZ OHIO, INC.
 SCI-823 Portsmouth Traffic Model
 Before Travel-Time Study

Study Name : **US 23 NB AM**
 Study Date : **7/31/2012**
 Page No. : **1**

Study Summary

Runs Used in This Study

| Run Title | Start Date | Start Time | Length | Before/After | Run Type |
|--------------|------------|------------|--------|--------------|----------|
| US 23-NB-001 | 07/24/12 | 07:18 | 49757 | Before | Primary |
| US 23-NB-002 | 07/24/12 | 07:56 | 49793 | Before | Primary |
| US 23-NB-003 | 07/24/12 | 08:33 | 49891 | Before | Primary |
| US 23-NB-004 | 07/25/12 | 07:42 | 49833 | Before | Primary |
| US 23-NB-005 | 07/25/12 | 08:17 | 49902 | Before | Primary |

Node Info

| # | Len | Name |
|---|-------|------------|
| 1 | 0 | |
| 2 | 152 | KY 1043 |
| 3 | 10929 | SR 7 |
| 4 | 9681 | SR 8 |
| 5 | 2406 | US 73 |
| 6 | 3174 | US 52 EB |
| 7 | 7367 | COLES BLVD |
| 8 | 16126 | CR 160 |

Length of Study Route = 49,835 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 | 152 | KY 1043 | 3.0 | 0.0 | 34.5 | 0.0 | 0.0 | 0.0 | 3.0 |
| 3 | 10929 | SR 7 | 158.2 | 0.4 | 47.1 | 0.0 | 7.6 | 14.2 | 158.2 |
| 4 | 9681 | SR 8 | 131.8 | 0.0 | 50.1 | 0.0 | 0.0 | 10.0 | 121.0 |
| 5 | 2406 | US 73 | 55.4 | 0.6 | 29.6 | 8.4 | 0.2 | 33.2 | 55.4 |
| 6 | 3174 | US 52 EB | 107.8 | 0.8 | 20.1 | 45.8 | 7.0 | 107.8 | 107.8 |
| 7 | 7367 | COLES BLVD | 201.4 | 1.6 | 24.9 | 57.4 | 32.0 | 140.6 | 201.4 |
| 8 | 16126 | CR 160 | 256.4 | 0.4 | 42.9 | 0.0 | 4.2 | 34.0 | 252.0 |
| Total | 49,835 | | 914.0 | 3.8 | 37.2 | 111.6 | 51.0 | 339.8 | 898.8 |

Stats based on 5 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

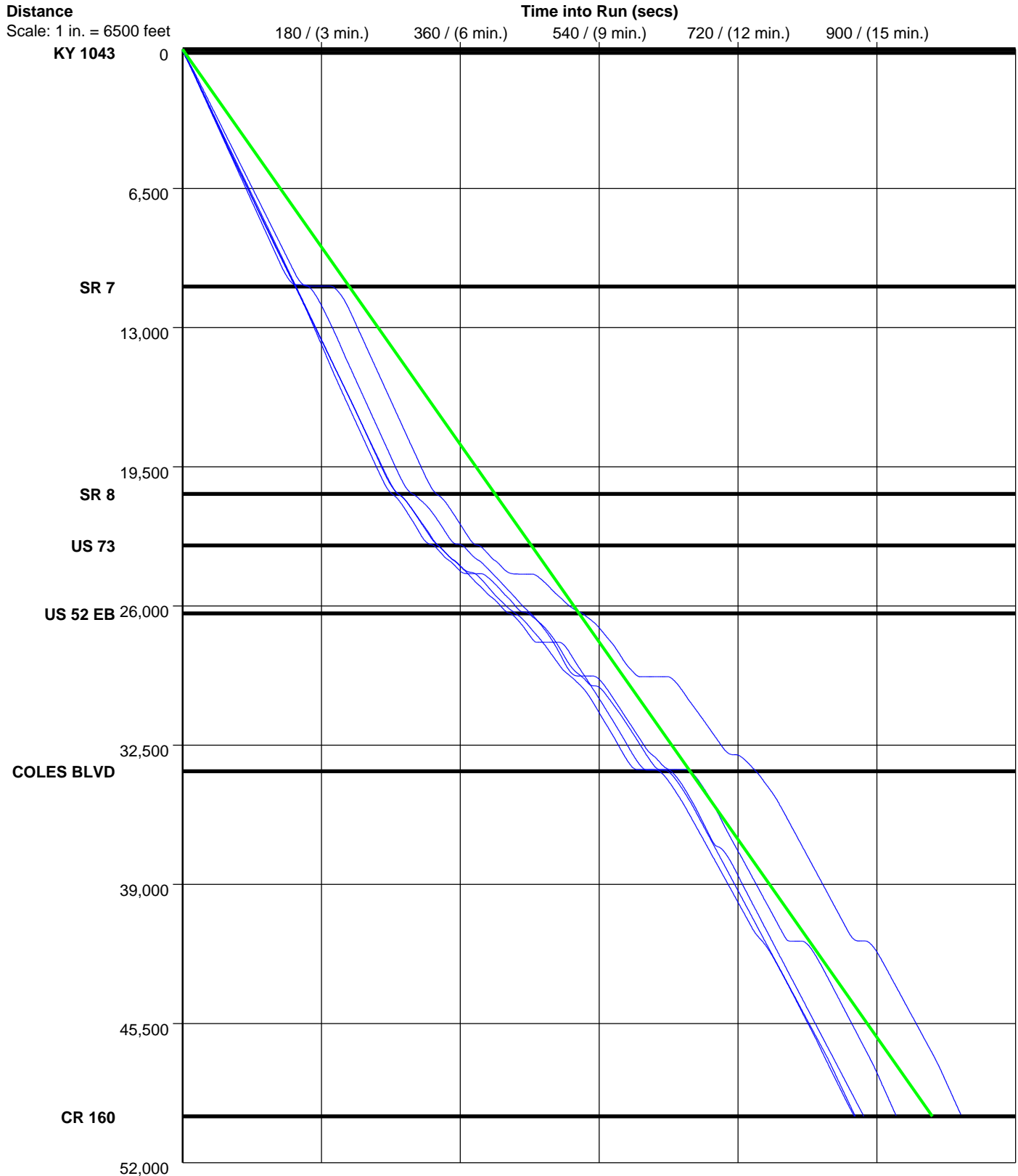
| Node # | Length | Node Name | Fuel (gal) | HC (grams) | CO (grams) | NOx (grams) |
|--------------|---------------|------------|---------------|----------------|-----------------|----------------|
| 1 | 0 | | | | | |
| 2 | 152 | KY 1043 | 0.0016 | 0.0668 | 0.7725 | 0.0152 |
| 3 | 10929 | SR 7 | 0.0933 | 3.9189 | 47.5982 | 1.0384 |
| 4 | 9681 | SR 8 | 0.0846 | 4.0910 | 53.0672 | 1.6688 |
| 5 | 2406 | US 73 | 0.0229 | 2.2639 | 21.4922 | 1.4613 |
| 6 | 3174 | US 52 EB | 0.0337 | 3.4561 | 26.9104 | 1.9430 |
| 7 | 7367 | COLES BLVD | 0.0739 | 6.9181 | 66.4297 | 3.8207 |
| 8 | 16126 | CR 160 | 0.1398 | 9.4920 | 117.0355 | 4.9189 |
| Total | 49,835 | | 0.4499 | 30.2068 | 333.3057 | 14.8662 |

Stats based on 5 BEFORE runs.

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Time/Space Trajectories of All Runs



Solid Line is Normal Speed of 35 MPH