Getting Interstate Hourly Traffic Data From the MIP

Presented by:
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Interstate Traffic Data

- Where does the data come from?
- What data is available?
- How do I get it?
- What does the report tell me?
Where does the data come from?

- Short term counts - .PRN files

```plaintext
000000105276 000097001211 01 1245 102708 1400 103008 0060 02 1 100 80210
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

'INTERSTATE 'ON I-64 004 RAMP B 100'NE OF GRIFFIN RD
02 15 0001 0002 0003 0004 0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015
00 00
00 00
00 00 1 1300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
00 00 1 1400 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
00 00 1 1500 0001 0011 0006 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
00 00 1 1600 0001 0012 0011 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
00 00 1 1700 0000 0013 0015 0000 0001 0001 0002 0000 0013 0000 0000 0000 0000 0000
00 00 1 1800 0000 0013 0018 0000 0000 0000 0000 0001 0009 0000 0000 0000 0000 0000
00 00 1 1900 0000 0013 0010 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
00 00 1 2000 0000 0009 0005 0000 0000 0000 0000 0000 0001 0004 0000 0000 0000 0000
00 00 1 2100 0000 0001 0005 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
```

- Continuous count sites (ATR/WIM)
- Gathered in database with more than 2 million records
What Data is Available?

- Hourly Traffic Volumes
- Directional Totals
- Cars and Trucks (FHWA Class 1-3, 4-13)
- Adjusted Passenger Car Equivalent Totals
- Seasonally Adjusted
- Growth Factors applied to give 2010 data
A word about Seasonal Adjustment

Seasonal Adjustment Factors are applied to counts collected in a given month to calculate the Annual Average Daily Traffic.
How Do I Get the Data?

Go to the “Traffic” tab on the Management Information Portal
How Do I Get the Data?

Select the type of data you’re interested in, Weekday or Weekend

- **Weekday Interstate Hourly Traffic Data**
  Business Purpose: Provide the most current Weekday hourly Interstate Traffic Data for applications for waivers from the Interstate Lane Closure Policy.

- **Weekend Interstate Hourly Traffic Data**
  Business Purpose: Provide the most current Weekend hourly Interstate Traffic Data.

- **List of Interstate Count Stations**
  Business Purpose: Provide a listing of Count Stations to facilitate determinations.
How Do I Get the Data?

Determine the Site Id you are interested in.

Available Resources

- List of Short Term Interstate Count Stations
- Interchange .PDF files
  Found on Y: drive
  Y:\TrafficManagement\waivers
How Do I Get the Data?

Enter the Site Id on the search tool and press “Go”
How Do I Get the Data?

In the case of a Weekday Report, you will get...

<table>
<thead>
<tr>
<th>Count Station No</th>
<th>Count Hour End Time</th>
<th>Total Volume</th>
<th>Total Cars</th>
<th>Total Trucks</th>
<th>NB or EB Car Count</th>
<th>NB or EB Truck Count</th>
<th>NB or EB Adjusted Total</th>
<th>SB or WB Car Count</th>
<th>SB or WB Truck Count</th>
<th>SB or WB Adjusted Total</th>
<th>Route</th>
<th>Location Descr</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>971250</td>
<td>1</td>
<td>656</td>
<td>487</td>
<td>169</td>
<td>214</td>
<td>81</td>
<td>376</td>
<td>273</td>
<td>88</td>
<td>449</td>
<td>I-65</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>2</td>
<td>475</td>
<td>321</td>
<td>154</td>
<td>154</td>
<td>70</td>
<td>295</td>
<td>166</td>
<td>84</td>
<td>335</td>
<td>I-65</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>3</td>
<td>405</td>
<td>264</td>
<td>141</td>
<td>103</td>
<td>63</td>
<td>230</td>
<td>161</td>
<td>78</td>
<td>317</td>
<td>I-65</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>4</td>
<td>391</td>
<td>234</td>
<td>157</td>
<td>97</td>
<td>70</td>
<td>236</td>
<td>137</td>
<td>87</td>
<td>311</td>
<td>I-65</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>5</td>
<td>382</td>
<td>232</td>
<td>149</td>
<td>125</td>
<td>65</td>
<td>255</td>
<td>108</td>
<td>84</td>
<td>275</td>
<td>I-65</td>
</tr>
</tbody>
</table>
How Do I Get the Data?

In the case of a Weekend Report, you will get...

Weekend counts were collected for this site and they are reported.

OR

Only Weekday counts were collected at this site. The reported values are adjusted using Weekend Factors.
What is a “Weekend?”

Traffic Statistics defines a weekend as the 72 hour period between 12:00am Friday morning and 12:00am Monday morning.
How Do I Get the Data?

In the case of a Weekend Report, you will get...

<table>
<thead>
<tr>
<th>Count Station No</th>
<th>Count Hr End Time</th>
<th>Weekend Day</th>
<th>Total Cars</th>
<th>Total Trucks</th>
<th>NB or EB Car Count</th>
<th>NB or EB Truck Count</th>
<th>NB or EB Adjusted Total</th>
<th>SB or WB Car Count</th>
<th>SB or WB Truck Count</th>
<th>SB or WB Adjusted Total</th>
<th>Route</th>
<th>Location Descr</th>
<th>Weekday Station</th>
<th>Weekend Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>972100</td>
<td>1</td>
<td>Friday</td>
<td>400</td>
<td>398</td>
<td>200</td>
<td>174</td>
<td>548</td>
<td>200</td>
<td>224</td>
<td>648</td>
<td>ON I-69</td>
<td>972100</td>
<td>972090</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1.00 MIN OF SR 38</td>
<td>972100</td>
<td>972090</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ON I-69</td>
<td>972100</td>
<td>972090</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>ON I-69</td>
<td>972100</td>
<td>972090</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ON I-69</td>
<td>972100</td>
<td>972090</td>
</tr>
</tbody>
</table>
A word about Weekend Factors

Weekend Factors are developed from a nearby site for which both Weekday data and Weekend data is available.

\[
F_{\text{Friday}} = \frac{\text{Total Friday Volume}}{\text{Total Weekday Volume}}
\]

This factor is then multiplied by each Weekday hourly volume for the requested site to approximate the Friday Hourly Volumes.
How Do I Get the Data?

From here you can get details or export.

Details include adjustment factors and Functional Classification.

Export can be MS Excel.
What Does The Report Tell Me?

- Hourly 2010 AADT total and by direction (uses military 24 hour style)
- Car and Truck volumes
- Adjusted Totals applying a Passenger Car Equivalency Factor of 2.0
- Growth Factor applied to bring to 2010
Questions

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