

Tampa Bay Regional Planning Model (TBRPM) v7.0 Cheat Sheet for Loaded Network Attributes

TBRPM Assignment has three classes:

1. Trucks
2. LOV (1 person in auto)
3. HOV (2 or more people in auto)

A normal assignment produces a loaded network file like

C:\FSUTMS\D7\TBRPM_7.0\BASE\Year_2006_Base\Output\HWYLOAD_A06.NET for the Base Year 2006 scenario.

The loaded volume attributes appended to the end of the network attributes are defined as follows:

			<i>A-B direction (Left column) and B-A (Right column)</i>
TOLL_DEC	0	0	
V_1	28739.242	29684.334	→ Total Directional Link Volumes <i>(All three classes)</i>
TIME_1	3.2691	3.356	→ Directional Link Congested Time in Minutes
VC_1	1.3351	1.379	→ Directional Link Volume / Capacity Ratio <i>(BPR curve)</i>
CSPD_1	32.3464	31.5085	→ Directional Link Congested Speed
VDT_1	50650.043	52315.672	→ Directional Link Vehicle Distance (Miles) Traveled
VHT_1	1565.8655	1660.365	→ Directional Link Vehicle Hours Traveled
V1_1	1337	1331	→ Directional Link Truck Volumes
V2_1	19583.492	20422.768	→ Directional Link LOV Volumes
V3_1	7818.75	7930.5669	→ Directional Link HOV Volumes
VT_1	58423.578	58423.578	→ Total Link Volume <i>(All three classes, both sides)</i>
V1T_1	2668	2668	→ Total Link Truck Volume <i>(Both sides)</i>
V2T_1	40006.262	40006.262	→ Total Link LOV Volume <i>(Both sides)</i>
V3T_1	15749.316	15749.316	→ Total Link HOV Volume <i>(Both sides)</i>
ANODE	14943	14943	→ ANODE of Link used for sorting
BNODE	14971	14971	→ BNODE of Link used for sorting
VC_RATIO	1.1348	1.1722	→ Directional Volume over Count / Capacity Ratio
VC_RATIOT	1.1535	1.1535	→ Total Link Vol over Count / Capacity Ratio <i>(Both sides)</i>
TRK_RATIO	0	0	→ Directional Truck Volume over Count Ratio
TRK_RATIOT	0	0	→ Total Link Truck Volume over Count Ratio <i>(Both sides)</i>
TRK_PCT	4.6522	4.4838	→ Directional Truck Volume percentage
TRK_PCTT	4.5666	4.5666	→ Total Link Truck Volume percentage <i>(Both sides)</i>

TBRPM Select Link / Select Zone Analysis Assignments have the same three classes, but the traffic is split further for the selected link(s) and selected zone(s):

1. Trucks
2. LOV (1 person in auto)
3. HOV (2 or more people in auto)
4. Background Trucks
5. Background LOV (1 person in auto)
6. Background HOV (2 or more people in auto)
7. Selected Link / Selected Zone Trucks
8. Selected Link / Selected LOV (1 person in auto)
9. Selected Link / Selected HOV (2 or more people in auto)

The Selected Link / Selected Zone assignments produce a loaded network file like

C:\FSUTMS\D7\TBRPM_7.0\BASE\Year_2006_Base\Output\SLK_HWYLOAD_A06.NET
 (for Selected Link) and

C:\FSUTMS\D7\TBRPM_7.0\BASE\Year_2006_Base\Output\SLZ_HWYLOAD_A06.NET
 (for Selected Zone) for the base year 2006 scenario.

The loaded volume attributes appended to the end of the network attributes are defined as follows:

TOLL_DEC	0	0	
V_1	3870.8228	3814.6309	A-B direction (Left column) and B-A (Right column) Total Directional Link Volumes (All three classes)
TIME_1	1.1274	1.127	Directional Link Congested Time in Minutes
VC_1	0.432	0.4257	Directional Link Volume / Capacity Ratio (BPR curve)
CSPD_1	35.6567	35.6684	Directional Link Congested Speed
VDT_1	2593.4512	2555.8027	Directional Link Vehicle Distance (Miles) Traveled
VHT_1	72.734	71.6546	Directional Link Vehicle Hours Traveled
V1_1	952.8355	917.5803	Directional Link Truck Volumes
V2_1	2380.8218	2367.5852	Directional Link LOV Volumes
V3_1	537.1653	529.4653	Directional Link HOV Volumes
V4_1	898.7391	853.3179	Directional Link Background Truck Volumes
V5_1	2166.4856	2133.8508	Directional Link Background LOV Volumes
V6_1	477.2388	464.7311	Directional Link Background HOV Volumes
V7_1	54.0965	64.2624	Directional Link Selected Truck Volumes
V8_1	214.3362	233.7345	Directional Link Selected LOV Volumes
V9_1	59.9265	64.7342	Directional Link Selected HOV Volumes
VT_1	7685.4536	7685.4536	Total Link Volume (All three classes, both sides)
V1T_1	1870.4158	1870.4158	Total Link Truck Volume (Both sides)
V2T_1	4748.4072	4748.4072	Total Link LOV Volume (Both sides)
V3T_1	1066.6306	1066.6306	Total Link HOV Volume (Both sides)
V4T_1	1752.0569	1752.0569	Total Link Background Truck Volume (Both sides)
V5T_1	4300.3364	4300.3364	Total Link Background LOV Volume (Both sides)
V6T_1	941.9699	941.9699	Total Link Background HOV Volume (Both sides)
V7T_1	118.3589	118.3589	Total Link Selected Truck Volume (Both sides)
V8T_1	448.0707	448.0707	Total Link Selected LOV Volume (Both sides)
V9T_1	124.6607	124.6607	Total Link Selected HOV Volume (Both sides)

The rest of the attributes are the same as above on page one.