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Trip Generation Handbook, Third Edition, September 2017

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The following six tables summarized in Revised Table E.1 below have been updated (E.15, E.16, E.35, E.36) or added (E.39, E.40) to reflect changes in land use descriptions published in the *Trip Generation Manual, 10th Edition* published in September 2017. Tables E.37 and E.38 have been removed, as there is no longer pass-by data for land use code 945. Figures E.11, E.12, E.13, E.18, and E.19 should also be removed from the *Trip Generation Handbook, Third Edition*, as these figures are no longer current.

Revised Table E.1 Land Uses and Time Periods with Pass-By Data

| Land Use Code and Title | Time Period | Revised Table | Figure |
|--|-------------------------|---------------|--------|
| 853 Convenience Market with Gasoline Pumps | Weekday, AM Peak Period | E.15 | — |
| | Weekday, PM Peak Period | E.16 | — |
| 944 Gasoline/Service Station | Weekday, AM Peak Period | E.35 | — |
| | Weekday, PM Peak Period | E.36 | — |
| 960 Super Convenience Market/Gas Station | Weekday, AM Peak Period | E.39 | — |
| | Weekday, PM Peak Period | E.40 | — |

Table E.39
Pass-By and Non-Pass-By Trips
Weekday, AM Peak Period

Land Use 960 — Super Convenience Market/Gas Station

| SIZE (1,000 SQ. FT. GFA) | VEHICLE FUELING POSITIONS | LOCATION | WEEKDAY SURVEY DATE | NO. OF INTERVIEWS | TIME PERIOD | PASS-BY TRIP (%) | NON-PASS-BY TRIPS (%) | | | ADJ. STREET PEAK HOUR VOLUME | SOURCE |
|-----------------------------|------------------------------|--------------------|------------------------|----------------------|-----------------|------------------|-----------------------|----------|-------|---------------------------------|---------------------------|
| | | | | | | | PRIMARY | DIVERTED | TOTAL | | |
| 5.500 | 12 | East Lampeter, PA | 2000 | — | 7:00-10:00 a.m. | 85 | — | — | 15 | 2,975 | Traffic Planning & Design |
| 5.060 | 12 | Ephrata, PA | 2000 | — | 7:00-10:00 a.m. | 84 | — | — | 16 | 3,219 | Traffic Planning & Design |
| 5.543 | 16 | East Vincent, PA | 2000 | — | 7:00-10:00 a.m. | 84 | — | — | 16 | 1,933 | Traffic Planning & Design |
| 5.565 | 16 | Upper Macungie, PA | 2000 | — | 7:00-10:00 a.m. | 77 | — | — | 23 | 2,262 | Traffic Planning & Design |
| 5.500 | 16 | West Sadsbury, PA | 2000 | — | 7:00-10:00 a.m. | 82 | — | — | 18 | 1,570 | Traffic Planning & Design |
| 4.993 | 16 | Muhlenberg, PA | 2000 | — | 7:00-10:00 a.m. | 75 | — | — | 25 | 1,991 | Traffic Planning & Design |
| 5.488 | 12 | Millsboro, DE | 2000 | — | 7:00-10:00 a.m. | 80 | — | — | 20 | — | Traffic Planning & Design |
| 5.565 | 16 | Bristol, PA | 2000 | — | 7:00-10:00 a.m. | 68 | — | — | 32 | 2,854 | Traffic Planning & Design |
| 4.694 | 12 | Bel Air, MD | 2000 | — | 7:00-10:00 a.m. | 72 | — | — | 28 | 2,440 | Traffic Planning & Design |
| 4.694 | 16 | Frederick, MD | 2000 | — | 7:00-10:00 a.m. | 90 | — | — | 10 | 2,278 | Traffic Planning & Design |
| 4.694 | 12 | Salisbury, MD | 2000 | — | 7:00-10:00 a.m. | 78 | — | — | 22 | 1,561 | Traffic Planning & Design |
| 4.694 | 12 | Salisbury, MD | 2000 | — | 7:00-10:00 a.m. | 79 | — | — | 21 | 2,764 | Traffic Planning & Design |
| 4.848 | 12 | Fredericksburg, VA | 2000 | — | 7:00-10:00 a.m. | 55 | — | — | 45 | 1,398 | Traffic Planning & Design |
| 4.848 | 16 | Woodbridge, VA | 2000 | — | 7:00-10:00 a.m. | 68 | — | — | 32 | 2,106 | Traffic Planning & Design |
| 5.242 | 12 | Woodbridge, VA | 2000 | — | 7:00-10:00 a.m. | 74 | — | — | 26 | 1,160 | Traffic Planning & Design |
| 4.848 | 16 | Spotsylvania, VA | 2000 | — | 7:00-10:00 a.m. | 85 | — | — | 15 | 2,676 | Traffic Planning & Design |
| 4.848 | 16 | Spotsylvania, VA | 2000 | — | 7:00-10:00 a.m. | 75 | — | — | 25 | 3,244 | Traffic Planning & Design |
| 4.848 | 16 | Stafford, VA | 2000 | — | 7:00-10:00 a.m. | 71 | — | — | 29 | 1,663 | Traffic Planning & Design |
| 5.242 | 12 | Fredericksburg, VA | 2000 | — | 7:00-10:00 a.m. | 71 | — | — | 29 | 548 | Traffic Planning & Design |
| 4.694 | 20 | New Castle, DE | 2000 | — | 7:00-10:00 a.m. | 84 | — | — | 16 | 3,864 | Traffic Planning & Design |
| 4.694 | 16 | New Castle, DE | 2000 | — | 7:00-10:00 a.m. | 74 | — | — | 26 | 2,185 | Traffic Planning & Design |

| | | | | | | | | | | | |
|-------|----|-----------------|------|-----|-----------------|----|-----|-----|----|-------|---------------------------|
| 4.694 | 16 | Middletown, DE | 2000 | — | 7:00-10:00 a.m. | 58 | — | — | 42 | 962 | Traffic Planning & Design |
| 4.694 | 16 | Newark, DE | 2000 | — | 7:00-10:00 a.m. | 84 | — | — | 16 | 2,956 | Traffic Planning & Design |
| 5.094 | 16 | Lanoka, NJ | 2000 | — | 7:00-10:00 a.m. | 86 | — | — | 14 | 1,260 | Traffic Planning & Design |
| 5.565 | 16 | Cream Ridge, NJ | 2000 | — | 7:00-10:00 a.m. | 58 | — | — | 42 | 1,253 | Traffic Planning & Design |
| 5.565 | 16 | Medford, NJ | 2000 | — | 7:00-10:00 a.m. | 79 | — | — | 21 | 1,928 | Traffic Planning & Design |
| 4.694 | 16 | Egg Harbor, NJ | 2000 | — | 7:00-10:00 a.m. | 79 | — | — | 21 | 1,859 | Traffic Planning & Design |
| 5.565 | 16 | Florence, NJ | 2000 | --- | 7:00-10:00 a.m. | 84 | --- | --- | 16 | 1,953 | Traffic Planning & Design |

Average Pass-By Trip Percentage: 76

“—” means no data

**Table E.40
Pass-By and Non-Pass-By Trips
Weekday, PM Peak Period**

Land Use 960 — Super Convenience Market/Gas Station

| SIZE (1,000 SQ. FT. GFA) | VEHICLE FUELING POSITIONS | LOCATION | WEEKDAY SURVEY DATE | NO. OF INTERVIEWS | TIME PERIOD | PASS-BY TRIP (%) | NON-PASS-BY TRIPS (%) | | | ADJ. STREET PEAK HOUR VOLUME | SOURCE |
|-----------------------------|------------------------------|--------------------|------------------------|----------------------|----------------|------------------|-----------------------|----------|-------|---------------------------------|---------------------------|
| | | | | | | | PRIMARY | DIVERTED | TOTAL | | |
| 5.500 | 12 | East Lampeter, PA | 2000 | — | 3:00–6:00 p.m. | 84 | — | — | 16 | 4,025 | Traffic Planning & Design |
| 5.060 | 12 | Ephrata, PA | 2000 | — | 3:00–6:00 p.m. | 91 | — | — | 9 | 4,181 | Traffic Planning & Design |
| 5.543 | 16 | East Vincent, PA | 2000 | — | 3:00–6:00 p.m. | 87 | — | — | 13 | 2,363 | Traffic Planning & Design |
| 5.565 | 16 | Upper Macungie, PA | 2000 | — | 3:00–6:00 p.m. | 81 | — | — | 19 | 2,770 | Traffic Planning & Design |
| 5.500 | 16 | West Sadsbury, PA | 2000 | — | 3:00–6:00 p.m. | 90 | — | — | 10 | 2,616 | Traffic Planning & Design |
| 4.993 | 16 | Muhlenberg, PA | 2000 | — | 3:00–6:00 p.m. | 72 | — | — | 28 | 2,917 | Traffic Planning & Design |
| 5.488 | 12 | Millsboro, DE | 2000 | — | 3:00–6:00 p.m. | 73 | — | — | 27 | — | Traffic Planning & Design |
| 5.565 | 16 | Bristol, PA | 2000 | — | 3:00–6:00 p.m. | 76 | — | — | 24 | 3,362 | Traffic Planning & Design |
| 4.694 | 12 | Bel Air, MD | 2000 | — | 3:00–6:00 p.m. | 78 | — | — | 22 | 3,549 | Traffic Planning & Design |
| 4.694 | 16 | Frederick, MD | 2000 | — | 3:00–6:00 p.m. | 89 | — | — | 11 | 2,755 | Traffic Planning & Design |
| 4.694 | 12 | Salisbury, MD | 2000 | — | 3:00–6:00 p.m. | 67 | — | — | 33 | 2,272 | Traffic Planning & Design |
| 4.694 | 12 | Salisbury, MD | 2000 | — | 3:00–6:00 p.m. | 66 | — | — | 34 | 3,514 | Traffic Planning & Design |
| 4.848 | 12 | Fredericksburg, VA | 2000 | — | 3:00–6:00 p.m. | 71 | — | — | 29 | 2,350 | Traffic Planning & Design |
| 4.848 | 16 | Woodbridge, VA | 2000 | — | 3:00–6:00 p.m. | 67 | — | — | 33 | 2,954 | Traffic Planning & Design |
| 5.242 | 12 | Woodbridge, VA | 2000 | — | 3:00–6:00 p.m. | 70 | — | — | 30 | 2,445 | Traffic Planning & Design |
| 4.848 | 16 | Spotsylvania, VA | 2000 | — | 3:00–6:00 p.m. | 78 | — | — | 22 | 3,086 | Traffic Planning & Design |
| 4.848 | 16 | Spotsylvania, VA | 2000 | — | 3:00–6:00 p.m. | 83 | — | — | 17 | 4,143 | Traffic Planning & Design |
| 4.848 | 16 | Stafford, VA | 2000 | — | 3:00–6:00 p.m. | 73 | — | — | 27 | 2,534 | Traffic Planning & Design |
| 5.242 | 12 | Fredericksburg, VA | 2000 | — | 3:00–6:00 p.m. | 56 | — | — | 44 | 950 | Traffic Planning & Design |
| 4.694 | 20 | New Castle, DE | 2000 | — | 3:00–6:00 p.m. | 76 | — | — | 24 | 1,616 | Traffic Planning & Design |
| 4.694 | 16 | New Castle, DE | 2000 | — | 3:00–6:00 p.m. | 73 | — | — | 27 | 1,858 | Traffic Planning & Design |

| | | | | | | | | | | | |
|-------|----|-----------------|------|-----|----------------|----|-----|-----|----|-------|---------------------------|
| 4.694 | 16 | Middletown, DE | 2000 | — | 3:00–6:00 p.m. | 59 | — | — | 41 | 1,344 | Traffic Planning & Design |
| 4.694 | 16 | Newark, DE | 2000 | — | 3:00–6:00 p.m. | 72 | — | — | 28 | 3,434 | Traffic Planning & Design |
| 5.094 | 16 | Lanoka, NJ | 2000 | — | 3:00–6:00 p.m. | 86 | — | — | 14 | 1,730 | Traffic Planning & Design |
| 5.565 | 16 | Cream Ridge, NJ | 2000 | — | 3:00–6:00 p.m. | 61 | — | — | 39 | 1,713 | Traffic Planning & Design |
| 5.565 | 16 | Medford, NJ | 2000 | — | 3:00–6:00 p.m. | 86 | — | — | 14 | 1,721 | Traffic Planning & Design |
| 4.694 | 16 | Egg Harbor, NJ | 2000 | — | 3:00–6:00 p.m. | 81 | — | — | 19 | 1,734 | Traffic Planning & Design |
| 5.565 | 16 | Florence, NJ | 2000 | --- | 3:00–6:00 p.m. | 81 | --- | --- | 19 | 2,227 | Traffic Planning & Design |

Average Pass-By Trip Percentage: 76

“—” means no data were provided