# EXHIBIT A: TRANSPORTATION LDC SUB-COMMITTEE DRAFT ORDINANCE ATTACHMENT 

## TRAN ITEM \#16

### 6.1.3 Residential Developments

A. When a residential subdivision is proposed that abuts an arterial or collector roadway, it shall be designed to provide lots abutting the roadway with access only from an alley, frontage road or interior local road. (See also Section 5.4.2.B.1.a)
B. Direct driveway access to individual one and two family dwellings from arterial and collector roadways are prohibited unless the Planning Commission determines, in consultation with the Director of Works, that there is no acceptable access alternative.
C. Subdivisions Developments with an aggregate of 200 or more dwellings (single family or multi-family) shall have at least two separate access roadways connecting directly to existing roadway(s) or as-determined by The Planning Commission, or authorized committee of the Planning Commission, with in consultation with the Fire Protection District having authority as well as the Director of Public Works, may require additional access roadways connecting directly to existing roadway(s) that are of a collector level or greater. Developments created prior to the effective date of this paragraph and not in compliance with it may be modified, including construction of ancillary facilities and improvements to existing structures, provided that the modifications do not increase the number of dwelling units.

## TRAN ITEM \#19

6.2.4 Street Intersections
C. Intersection Offset and Spacing - Spacing of intersections on the same and opposing sides of streets shall be in accordance with the access management principles contained in the Access Management Design Manual (Appendix 6A). When appropriate, deviations from the spacing criteria presented in Appendix 6A may be approved by the Director of Works to promote the public convenience, safety and to facilitate the proper use of the surrounding land. Streets entering opposite sides of another street shall be laid out either directly opposite one another or with a minimum offset of one hundred feet between their centerlines.
D. Intersection Spacing - All local and cul-de-sac streets intersecting with and entering the same side of other collector, local or cul-de-sac streets shall be located at least two hundred feet apart measured from centerline to centerline. When the intersected street is an arterial, the distance between intersecting streets shall be at least 1,000 feet. All other streets intersecting with and entering the same side of any other street shall be located at least five hundred feet apart, measured from centerline to centerline, unless a closer spacing is expressly approved by the Director of Works, to promote the public convenience and safety and to facilitate the proper use of the surrounding land.
D. E. Grades at Intersections - Where the grade of any street at the approach to an intersection exceeds three percent, a leveling area shall be provided, having not greater than a three per cent grade for a distance of fifty feet from the intersection of the street centerline. A sag immediately adjacent to the intersecting street and a vertical curve shall be used to connect the intersection
grades. The cross slope of the pedestrian path through an intersection shall not exceed two percent.

## TRAN ITEM \#20

6.2.6 Requirements for Specific Types of Streets and Alleys
B. Development activity that meets the thresholds in the form district for Street and Roadside Design and new streets shall provide sidewalks in accordance with Tables 6.2.1 and 6.2.2 subject to the following exceptions:

1. . Sidewalks shall not be required on lots that are five acres or greater in area and developed for single family residential uses unless they connect with existing sidewalks on both sides of the property.
2.     - Lots within approved major subdivisions in which the sidewalk(s) were waived as part of the subdivision approval for the applicable street frontage shall not be required to provide sidewalks.
3. In subdivisions only, sidewalks can be placed on only one side of a Green Street as described in Section 18.4.1 of the MSD design manual.
4. Where a sidewalk is located along the back of a vertical curb or where no verge exists, the minimum width shall be six feet exclusive of the curb.
5. 4. Fee in Lieu Option - The Director of Works and the Director of Planning or designees may allow the payment in lieu of sidewalk construction upon a finding that construction of a sidewalk is not appropriate due to one of the following applicability requirements:
1. 2. Sidewalk Waiver

## TRAN ITEM \#28

## APPENDIX E AIR POLLUTION CONTROL DISTRICT EMISSION FACTORS

Emission factors for air quality analysis in Jefferson County are presented in the following tables. Table E-1 contains the carbon monoxide emission factor during the operating mode (when vehicle is in motion) and Table E-2 shows the emission factors to vising when the vehicles are in the idling mode of operation. The factors are provided by the Air Pollution Control District and may not be changed without prior approval. The factors were generated using MOBILE 5a and MOBILE 4. Ic.

## TABLE E-1 CO EMISSION FACTORS (GRAMS PER MILE) 1990-2000-2015-2035

MOBILE 5 a (Version 26 Mar 93) Emission Factors-Carbon Monoxide (CO) SIP 93 Method 07-27-93 Composite Emission Factors WINTER Jefferson

County

| $G M M$ $@ M \mathbf{M}$ | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 33.533 | 217.272 | 199.029 | 177.538 | 166.651 | 138.000 | 131.331 | 124.476 | 117.334 | 110.642 | 105.354 |
| 4 | 9.4 | 167.317 | 153.561 | 137.290 | 129.070 | 107.053 | 101.968 | 96.792 | 91.472 | 86.494 | 82.555 |
| 5 | 146.370 | 6.359 | 125.478 | 112.528 | 106.016 | 88.125 | 84.056 | 79.936 | 75.747 | 71.830 | 68.725 |
| 6 | 123.499 | 115.2. | 106.388 | 95.732 | 90.403 | 75.326 | 71.964 | 68.570 | 65.151 | 61.958 | 59.420 |
| 8 | 94.368 | 88.461 | 2.136 | 74.410 | 70.602 | 59.100 | 56.652 | 54.192 | 51.753 | 49.480 | 47.660 |
| 10 | 76.715 | 72.201 | 67.45 | 61.470 | 58.583 | 49.241 | 47.351 | 45.460 | 43.619 | 41.903 | 40.519 |
| 12 | 64.943 | 61.336 | 57.586 | \% | 50.523 | 42.615 | 41.100 | 39.591 | 38.150 | 36.808 | 35.713 |
| 14 | 56.555 | 53.577 | 50.552 |  | 44.745 | 37.857 | 36.610 | 35.374 | 34.219 | 33.144 | 32.256 |
| 16 | 50.267 | 47.753 | 45.267 | 41.922 | 396 | 34.272 | 33.225 | 32.195 | 31.255 | 30.381 | 29.649 |
| 18 | 45.357 | 43.207 | 41.139 | 38.274 | 36.95 | 31.470 | 30.580 | 29.711 | 28.939 | 28.222 | 27.613 |
| 20 | 41.495 | 39.618 | 37.846 | 35.309 | 34.197 | 10 | 28.310 | 27.529 | 26.852 | 26.233 | 25.695 |
| 25 | 34.687 | 33.026 | 31.443 | 29.186 | 28.147 | 23.82 N | 23.059 | 22.297 | 21.587 | 20.905 | 20.312 |
| 30 | 29.951 | 28.492 | 27.064 | 25.025 | 24.052 | 20.262 | 531 | 18.788 | 18.059 | 17.342 | 16.720 |
| 35 | 26.565 | 25.259 | 23.945 | 22.065 | 21.141 | 17.734 | 17.020 | 16.296 | 15.552 | 14.809 | 14.165 |
| 40 | 24.198 | 22.971 | 21.719 | 19.936 | 19.033 | 15.894 | 15.195 | ) | 13.707 | 12.938 | 12.274 |
| 45 | 22.612 | 21.386 | 20.150 | 18.407 | 17.502 | 14.540 | 13.834 | 13.099 | 12.319 | 11.522 | 10.833 |
| 50 | 21.955 | 20.702 | 19.458 | 17.718 | 16.801 | 13.912 | 13.196 | 12.450 | $\checkmark 55$ | 10.840 | 10.136 |
| 55 | 22.087 | 20.821 | 19.564 | 17.811 | 16.886 | 13.983 | 13.259 | 12.506 | 11.705 | 10.885 | 10.176 |
| 60 | 41.464 | 38.352 | 35.354 | 31.501 | 29.316 | 23.726 | 22.099 | 20.438 | 18.782 | $1 \times 14$ | 15.764 |
| 65 | 61.001 | 56.028 | 51,273 | 45.307 | 41.852 | 33.557 | 31.017 | 28441 | 25.921 | 23.460 | 21.405 |
| $\begin{aligned} & \text { I/HR } \\ & \text { IDLE } \end{aligned}$ | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |  |
|  | 695.282 | 647.185 | 593.062 | 529.524 | 497.456 | 411.267 | 391.261 | 370.839 | 349.449 | 329.468 | 313.411 |

# TABLE E-1 (CONTINUED) 

## CO EMHSSION FACTORS (GRAMS PER MHE)

## 2000-2010


#### Abstract

MOBILE 5a (Vexsion 26 Mar 93) Emission Factors -Carbon Monoxide (CO) SIP 93-Method 07-27-93 Composite Emission Factors WINTER

Jefferson County




APCD Mobile Suit Vmission Rates - Fleet: Jefferson Countr, KY
2/17/2015
stricted - Fleet: Jefferson County, KY WeVE ver 20140
for project hot-spot analysi

| co Grams per |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{\text {co }}$ Avg Speed (mph) | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| 2.5 | 17.076362 | 15.464784 | 13.853206 | 12.241628 | 10.630049 | 9.018471 | 8.420109 | 7.821747 | 7.223385 | 6.625023 | 6.026661 | 5.697795 | 5.368928 | 5.040062 | 4.711196 | 4.382330 | 4.305519 | 4.228708 | 4.151897 | 4.075086 | 3.998275 |
| 5 | 9.554383 | 8.640151 | 7.725918 | 6.811686 | 5.897454 | 4.983222 | 4.649941 | 4.306660 | 3.968380 | 3.630099 | 3.291818 | 3.110418 | 2.929018 | 2.747617 | 2.566217 | 2.384816 | 2.343107 | 2.301398 | 2.259689 | 2.217979 | 2.176270 |
| 10 | 5.813922 | 5.248659 | 4.683395 | 4.118132 | 3.552869 | 2.987606 | 2.777392 | 2.567179 | 2.356966 | 2.146752 | 1.936539 | 1.826156 | 1.715774 | 1.605392 | 1.495010 | 1.384627 | 1.359897 | 1.335167 | 1.310437 | 1.285707 | 1.260977 |
| 15 | 4.849259 | 4.375396 | 3.901533 | 3.427670 | 2.953806 | 2.479943 | 2.303031 | 2.126118 | 1.949205 | 1.772292 | 1.595380 | 1.501486 | 1.407592 | 1.313697 | 1.219803 | 1.125909 | 1.104811 | 1.083712 | 1.062613 | 1.041514 | 1.020416 |
| 20 | 4.369412 | 3.943513 | 3.517615 | 3.091716 | 2.665818 | 2.239919 | 2.079639 | 1.919359 | 1.759078 | 1.598798 | 1.438518 | 1.353076 | 1.267633 | 1.182191 | 1.096748 | 1.011306 | 0.992102 | 0.972899 | 0.953695 | 0.934491 | 0.915287 |
| 25 | 3.994147 | ${ }^{3.605806}$ | 3.217465 | 2.829124 | 2.440782 | 2.052441 | 1.906785 | 1.761128 | 1.615472 | 1.469816 | 1.324159 | 1.245076 | 1.165992 | 1.086908 | 1.007825 | 0.928741 | 0.910989 | 0.893236 | 0.875484 | 0.857731 | 0.839979 |
| 30 | 3.865028 | 3.487194 | 3.109360 | 2.731525 | 2.353691 | 1.975857 | 1.833907 | 1.691956 | 1.550006 | 1.408056 | 1.266106 | 1.189422 | 1.112738 | 1.036054 | 0.959370 | 0.882686 | 0.865993 | 0.849300 | 0.832607 | 0.815914 | 0.799221 |
| 35 | 3.384816 | 3.058925 | 2.733035 | 2.407145 | 2.081255 | 1.755365 | 1.633370 | 1.511376 | 1.389381 | 1.267387 | 1.145392 | 1.076722 | 1.008052 | 0.939383 | 0.870713 | 0.802043 | 0.787234 | 0.772426 | 0.757618 | 0.742809 | 0.728001 |
| 40 | 3.206287 | 2.898877 | 2.591468 | 2.284058 | 1.976649 | 1.669239 | 1.554461 | 1.439682 | 1.324904 | 1.210126 | 1.095347 | 1.029383 | 0.963418 | 0.897453 | 0.831489 | 0.765524 | 0.751631 | 0.737738 | 0.723846 | 0.709953 | 0.696060 |
| 45 | 3.054521 | 2.762684 | 2.470848 | 2.179011 | 1.887174 | 1.595338 | 1.486606 | 1.377875 | 1.269143 | 1.160412 | 1.051680 | 0.988156 | 0.924631 | 0.861107 | 0.797582 | 0.734057 | 0.720932 | 0.707807 | 0.694682 | 0.681556 | 0.668431 |
| 50 | 2.889772 | 2.614943 | 2.340114 | 2.065286 | 1.790457 | 1.515628 | 1.413302 | 1.310975 | 1.208648 | 1.106321 | 1.003994 | 0.943422 | 0.882849 | 0.822276 | 0.761704 | 0.701131 | 0.688808 | 0.676484 | 0.664160 | 0.651837 | 0.639513 |
| 55 | 2.736011 | 2.477115 | 2.218218 | 1.959321 | 1.700424 | 1.441528 | 1.345067 | 1.248606 | 1.152145 | 1.055684 | 0.959223 | 0.901446 | 0.843669 | 0.785892 | 0.728115 | 0.670337 | 0.658755 | 0.647172 | 0.635589 | 0.624006 | 0.612423 |
| 60 | 2.541006 | 2.301301 | 2.061597 | 1.821892 | 1.582188 | 1.342483 | 1.253411 | 1.164339 | 1.075267 | 0.986195 | 0.897123 | 0.843117 | 0.789112 | 0.735107 | 0.681101 | 0.627096 | 0.616514 | 0.605932 | 0.595350 | 0.584768 | 0.574186 |
| 65 | 2.498334 | 2.260270 | 2.022207 | 1.784143 | 1.546079 | 1.308016 | 1.218752 | 1.129488 | 1.040224 | 0.950960 | 0.861696 | 0.808595 | 0.755494 | 0.702393 | 0.649292 | 0.596192 | 0.586195 | 0.576199 | 0.566202 | 0.556206 | 0.546209 |
| 70 | 2.465250 | 2.227649 | 1.990047 | 1.752445 | 1.514844 | 1.277242 | 1.187360 | 1.097478 | 1.007596 | 0.917714 | 0.827832 | 0.775752 | 0.723672 | 0.671592 | 0.619513 | 0.567433 | 0.557922 | 0.548412 | 0.538901 | 0.529391 | 0.519880 |
| 75+ | 2.468813 | 2.227330 | 1.985846 | 1.744362 | 1.502878 | 1.261394 | 1.169095 | 1.076795 | 0.984496 | 0.892196 | 0.799897 | 0.748392 | 0.696888 | 0.645384 | 0.593880 | 0.542376 | 0.533249 | 0.524122 | 0.514996 | 0.505869 | 0.496742 |


| Grams per Mile |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PM2.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Avg Speed (mph) | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| 2.5 | 1.724964 | 1.538333 | 1.351703 | 1.165073 | 0.978443 | 0.791813 | 0.718971 | 0.646129 | 0.573286 | 0.500444 | 0.427602 | 0.407218 | 0.386834 | 0.366450 | 0.346066 | 0.325682 | 0.318165 | 0.310648 | 0.303132 | 0.295615 | 0.288098 |
| 5 | 1.002825 | 0.905827 | 0.808829 | 0.711832 | 0.614834 | 0.517836 | 0.479832 | 0.441827 | 0.403823 | 0.365819 | 0.327815 | 0.318931 | 0.310047 | 0.301163 | 0.292279 | 0.283396 | 0.279581 | 0.275767 | 0.271953 | 0.268139 | 0.264325 |
| 10 | 0.576983 | 0.521276 | 0.465569 | 0.409862 | 0.354155 | 0.298448 | 0.276645 | 0.254842 | 0.233039 | 0.211236 | 0.189433 | 0.184422 | 0.179411 | 0.174400 | 0.169389 | 0.164378 | 0.162199 | 0.160020 | 0.157842 | 0.155663 | 0.153485 |
| 15 | 0.449934 | 0.404769 | 0.359604 | 0.314439 | 0.269274 | 0.224109 | 0.206345 | 0.188580 | 0.170816 | 0.153052 | 0.135287 | 0.131049 | 0.126811 | 0.122573 | 0.118335 | 0.114097 | 0.112346 | 0.110596 | 0.108845 | 0.107095 | 0.105345 |
| 20 | 0.376681 | 0.337752 | 0.298823 | 0.259894 | 0.220965 | 0.182036 | 0.166766 | 0.151495 | 0.136224 | 0.120954 | 0.105683 | 0.101872 | 0.098060 | 0.094249 | 0.090437 | 0.086625 | 0.085118 | 0.083610 | 0.082102 | 0.080594 | 0.079087 |
| 25 | 0.334968 | 0.300072 | 0.265176 | 0.230281 | 0.195385 | 0.160489 | 0.146836 | 0.133183 | 0.119530 | 0.105877 | 0.092224 | 0.088920 | 0.085615 | 0.082311 | 0.079007 | 0.075702 | 0.074358 | 0.073014 | 0.071670 | 0.070326 | 0.068982 |
| 30 | 0.308725 | 0.276151 | 0.243576 | 0.211002 | 0.178428 | 0.145854 | 0.133111 | 0.120368 | 0.107625 | 0.094882 | 0.082139 | 0.078974 | 0.075809 | 0.072645 | 0.069480 | 0.066315 | 0.065068 | 0.063820 | 0.062572 | 0.061325 | 0.060077 |
| 35 | 0.252555 | 0.225837 | 0.199118 | 0.172400 | 0.145681 | 0.118963 | 0.108596 | 0.098229 | 0.087863 | 0.077496 | 0.067129 | 0.064428 | 0.061726 | 0.059024 | 0.056323 | 0.053621 | 0.052589 | 0.051557 | 0.050526 | 0.049494 | 0.048462 |
| 40 | 0.233443 | 0.208427 | 0.183410 | 0.158394 | 0.133377 | 0.108361 | 0.098692 | 0.089024 | 0.079355 | 0.069687 | 0.060018 | 0.057410 | 0.054802 | 0.052194 | 0.049585 | 0.046977 | 0.046013 | 0.045049 | 0.044084 | 0.043120 | 0.042156 |
| 45 | 0.218485 | 0.194805 | 0.171126 | 0.147446 | 0.123766 | 0.100086 | 0.090965 | 0.081844 | 0.072723 | 0.063602 | 0.054481 | 0.051943 | 0.049405 | 0.046867 | 0.044329 | 0.041791 | 0.040880 | 0.039969 | 0.039058 | 0.038146 | 0.037235 |
| 50 | 0.196737 | 0.175238 | 0.153739 | 0.132240 | 0.110741 | 0.089242 | 0.080999 | 0.072756 | 0.064513 | 0.056271 | 0.048028 | 0.045633 | 0.043238 | 0.040843 | 0.038448 | 0.036053 | 0.035220 | 0.034387 | 0.033554 | 0.032721 | 0.031889 |
| 55 | 0.173134 | 0.154055 | 0.134976 | 0.115898 | 0.096819 | 0.077740 | 0.070479 | 0.063218 | 0.055956 | 0.048695 | 0.041434 | 0.039224 | 0.037013 | 0.034803 | 0.032593 | 0.030382 | 0.029635 | 0.028888 | 0.028140 | 0.027393 | 0.026645 |
| 60 | 0.158078 | 0.140587 | 0.123097 | 0.105607 | 0.088117 | 0.070626 | 0.063998 | 0.057370 | 0.050742 | 0.044114 | 0.037485 | 0.035443 | 0.033401 | 0.031359 | 0.029317 | 0.027274 | 0.026589 | 0.025904 | 0.025219 | 0.024534 | 0.023849 |
| 65 | 0.156187 | 0.138831 | 0.121474 | 0.104118 | 0.086761 | 0.069405 | 0.062800 | 0.056195 | 0.049590 | 0.042985 | 0.036380 | 0.034391 | 0.032402 | 0.030413 | 0.028424 | 0.026435 | 0.025764 | 0.025092 | 0.024421 | 0.023750 | 0.023078 |
| 70 | 0.154452 | 0.137225 | 0.119997 | 0.102770 | 0.085542 | 0.068315 | 0.061736 | 0.055157 | 0.048577 | 0.041998 | 0.035419 | 0.033473 | 0.031527 | 0.029582 | 0.027636 | 0.025690 | 0.025031 | 0.024372 | 0.023713 | 0.023054 | 0.022395 |
| 75+ | 0.156237 | 0.138739 | 0.121240 | 0.103741 | 0.086243 | 0.068744 | 0.062033 | 0.055322 | 0.048611 | 0.041900 | 0.035190 | 0.033248 | 0.031307 | 0.029366 | 0.027425 | 0.025484 | 0.024825 | 0.024165 | 0.023506 | 0.022846 | 0.022187 |


| Grams per Mile |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Avg Speed (mph) | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| 2.5 | 2.843663 | 2.639527 | 2.435391 | 2.231255 | 2.027119 | 1.822983 | 1.743199 | 1.663416 | 1.583633 | 1.503849 | 1.424066 | 1.413298 | 1.402530 | 1.391763 | 1.380995 | 1.370227 | 1.362013 | 1.353799 | 1.345585 | 1.337370 | 1.329156 |
| 5 | 2.332866 | 2.225838 | 2.118810 | 2.011782 | 1.904754 | 1.797726 | 1.755656 | 1.713586 | 1.671516 | 1.629446 | 1.587375 | 1.593273 | 1.599171 | 1.605069 | 1.610967 | 1.616864 | 1.612665 | 1.608465 | 1.604265 | 1.600066 | 1.595866 |
| 10 | 1.332507 | 1.271063 | 1.209619 | 1.148176 | 1.086732 | 1.025288 | 1.001163 | 0.977037 | 0.952912 | 0.928786 | 0.904661 | 0.907983 | 0.911305 | 0.914627 | 0.917948 | 0.921270 | 0.918872 | 0.916473 | 0.914075 | 0.911677 | 0.909278 |
| 15 | 0.921584 | 0.871924 | 0.822265 | 0.772606 | 0.722947 | 0.673288 | 0.653708 | 0.634129 | 0.614549 | 0.594970 | 0.575390 | 0.575513 | 0.575635 | 0.575758 | 0.575880 | 0.576003 | 0.574080 | 0.572158 | 0.570235 | 0.568313 | 0.566391 |
| 20 | 0.699606 | 0.656894 | 0.614183 | 0.571471 | 0.528760 | 0.486048 | 0.469260 | 0.452472 | 0.435685 | 0.418897 | 0.402109 | 0.400573 | 0.399037 | 0.397500 | 0.395964 | 0.394428 | 0.392774 | 0.391121 | 0.389468 | 0.387814 | 0.386161 |
| 25 | 0.602344 | 0.564121 | 0.525899 | 0.487676 | 0.449454 | 0.411232 | 0.396252 | 0.381273 | 0.366294 | 0.351314 | 0.336335 | 0.335463 | 0.334592 | 0.333720 | 0.332848 | 0.331977 | 0.330506 | 0.329034 | 0.327563 | 0.326092 | 0.324621 |
| 30 | 0.524343 | 0.488694 | 0.453045 | 0.417396 | 0.381747 | 0.346098 | 0.332132 | 0.318166 | 0.304200 | 0.290235 | 0.276269 | 0.274758 | 0.273246 | 0.271735 | 0.270224 | 0.268713 | 0.267348 | 0.265983 | 0.264619 | 0.263254 | 0.261889 |
| 35 | 0.425363 | 0.396123 | 0.366882 | 0.337642 | 0.308402 | 0.279162 | 0.267799 | 0.256437 | 0.245075 | 0.233713 | 0.222351 | 0.220908 | 0.219465 | 0.218022 | 0.216579 | 0.215137 | 0.214008 | 0.212879 | 0.211751 | 0.210622 | 0.209494 |
| 40 | 0.370014 | 0.342665 | 0.315316 | 0.287967 | 0.260619 | 0.233270 | 0.222687 | 0.212104 | 0.201521 | 0.190938 | 0.180355 | 0.178679 | 0.177003 | 0.175328 | 0.173652 | 0.171976 | 0.170922 | 0.169869 | 0.168815 | 0.167761 | 0.166707 |
| 45 | 0.326810 | 0.300945 | 0.275080 | 0.249215 | 0.223350 | 0.197484 | 0.187512 | 0.177539 | 0.167567 | 0.157594 | 0.147622 | 0.145750 | 0.143878 | 0.142005 | 0.140133 | 0.138261 | 0.137266 | 0.136271 | 0.135276 | 0.134281 | 0.133286 |
| 50 | 0.281103 | 0.257631 | 0.234158 | 0.210685 | 0.187212 | 0.163740 | 0.154732 | 0.145725 | 0.136718 | 0.127711 | 0.118703 | 0.116668 | 0.114632 | 0.112597 | 0.110561 | 0.108525 | 0.107616 | 0.106707 | 0.105798 | 0.104888 | 0.103979 |
| 55 | 0.236603 | 0.215782 | 0.194962 | 0.174141 | 0.153320 | 0.132499 | 0.124569 | 0.116638 | 0.108708 | 0.100777 | 0.092847 | 0.090734 | 0.088621 | 0.086508 | 0.084395 | 0.082283 | 0.081467 | 0.080651 | 0.079836 | 0.079020 | 0.078204 |
| 60 | 0.210164 | 0.191080 | 0.171997 | 0.152913 | 0.133829 | 0.114746 | 0.107508 | 0.100271 | 0.093033 | 0.085796 | 0.078559 | 0.076442 | 0.074326 | 0.072209 | 0.070093 | 0.067976 | 0.067228 | 0.066481 | 0.065733 | 0.064986 | 0.064238 |
| 65 | 0.203129 | 0.184198 | 0.165267 | 0.146336 | 0.127405 | 0.108473 | 0.101265 | 0.094056 | 0.086847 | 0.079639 | 0.072430 | 0.070355 | 0.068281 | 0.066206 | 0.064131 | 0.062057 | 0.061324 | 0.060592 | 0.059860 | 0.059128 | 0.058396 |
| 70 | 0.196842 | 0.178057 | 0.159272 | 0.140487 | 0.121702 | 0.102917 | 0.095739 | 0.088561 | 0.081383 | 0.074206 | 0.067028 | 0.064987 | 0.062946 | 0.060905 | 0.058863 | 0.056822 | 0.056104 | 0.055385 | 0.054667 | 0.053948 | 0.053230 |
| $75+$ | 0.195028 | 0.175952 | 0.156877 | 0.137802 | 0.118726 | 0.099651 | 0.092332 | 0.085014 | 0.077695 | 0.070376 | 0.063057 | 0.061016 | 0.058975 | 0.056934 | 0.054893 | 0.052852 | 0.052133 | 0.051414 | 0.050695 | 0.049976 | 0.049257 |

## TRAN ITEM \#39

### 9.1.12 Parking Area Improvements and Maintenance

A. Surfacing and Facility Type
2. Developments that provide more than fifty (50) off-street parking spaces and exceed the minimum number of parking spaces required by this Part shall either: c. _ _provide $25 \%$ more trees within the required Interior Landscape Area (ILA) than is otherwise required by Chapter 10 of the Land Development Code for the site's entire parking area. An additional tree shall be provided for every four (4) parking spaces above the minimum number of parking spaces required by this Part, up to $25 \%$ more trees than would otherwise be required. The trees provided shall be Type A trees that maximize the amount of shade that is provided within the parking area. Additionally, the ILA's shall be designed to maximize their ability to absorb the site's stormwater runoff in an effort to improve the water quality of the stormwater runoff and to provide an adequate water supply to ensure the long term health of the canopy trees. The Planning Commission may modify this requirement if the applicant demonstrates that an alternative site design, surfacing material or facility type offers greater environmental benefits than those associated with the requirements in this Part.
a. Surface a portion of its total parking area proportional to the extent to which the minimum number of parking spaces is exceeded using concrete; or
b. Surface the parking spaces in excess of the minimum using semi-pervious paving systems, or locate those parking spaces in excess of the minimum within parking structures or elevator parking systems: or

