

Appendix E

Roadway Design Standards

ROADWAY DESIGN STANDARDS (1)

URBAN DESIGN

| Classification | Design Traffic (DHV) | Parking | Pavement width (ft) | Median Width (ft) | Walk and Border | Right-of-way Width (ft) |
|-------------------------------|----------------------|-------------------|---------------------|-------------------|-----------------|-------------------------|
| Arterial 6 lanes divided | 2,100-3,800 | None | 2 at 38 | 16 | 2 at 26 | 120 |
| Arterial 5 lanes divided | 1,000-2,200 | None | 66 | 0 | 2 at 18 | 120 |
| Arterial 4 lanes divided | 1,000-2,200 | None | 2 at 26 (5) | 16 | 2 at 15 | 100-120 |
| Arterial 4 lanes undivided | 1,000-2,000 | None | 50 (4) (5) | 0 | 2 at 13-15 | 100 |
| Arterial 3 lanes | 1,000-2,000 | None | 42 | 0 | 2 at 16 | 100 |
| Arterial 2 lanes undivided | <1,200 | None | 26-38 | 0 | 2 at 21-27 | 80 |
| Collector | 900-2,000 | None | 26-50 (5) | 0 | 2 at 15-27 | 80 |
| Local | <1,000 | Both Sides | 36 | 0 | 2 at 12 | 60 |
| Local | <500 | Both/ One Side | 27 | 0 | 2 at 11.5 | 50 |
| Local non-residential | | None | | 0 | None | 60-80 |

RURAL DESIGN

| Classification | Design Traffic (DHV) | Parking | Pavement (2) Width (ft) | Median Width (ft) | | Walk and Border | Right-of-way Width (ft) |
|---------------------------------|----------------------|-----------------|-------------------------|-------------------|-----|-----------------|-------------------------|
| | | | | Max | Min | | |
| Arterial 4-6 lanes divided | 1,500-3,300 | Partial or none | 2 at 24 | 50 | 40 | - | 150-180 |
| Arterial 2-5 lanes undivided | -1,600 | Partial or none | 24 | None | | - | 120-150 |
| Collector 4-5 lanes | 900-2,000 | None | 48 | None | | - | 110-120 |
| Collector 3 lanes | 900-2,000 | None | 36 | None | | - | 100 |
| Collector 2 lanes | -1,000 | None | 24 | None | | - | 100 |
| Local | <1,000 | None | 24 | None | | - | 80 |
| Local non-residential | | None | | None | | - | 60-80 |

FULL/LIMITED ACCESS DESIGN

| Classification | Design Traffic (DHV) | Controlled Access | Pavement (2) Width (ft) | Median Width (ft) | | Walk and Border | Right-of-way Width (ft) |
|-------------------------------------|----------------------|-------------------|-------------------------|-------------------|-----|-----------------|-------------------------|
| | | | | Max | Min | | |
| Interstate/Freeway 6 lanes urban | >4,000 | Full | 2 at 38 | 60 | 40 | - | 300 (3) |
| Interstate/Freeway 4 lanes urban | 2,800 - 4,400 | Full | 2 at 26 | 60 | 40 | - | 300 (3) |
| Interstate/Freeway 6 lanes rural | >4,000 | Full | 2 at 38 | 60 | 40 | - | 300 |
| Interstate/Freeway 4 lanes rural | 2,800 - 4,400 | Full | 2 at 26 | 60 | 40 | - | 300 |
| Expressway/Other Freeway 6 lanes | >3,200 | Partial | 2 at 38 | 60 | 40 | - | 200 |
| Expressway/Other Freeway 4 lanes | 2,400 - 4,000 | Partial | 2 at 26 | 60 | 40 | - | 200 |

NOTES:

(1) :

Standards for all streets are closely related to the character of abutting land uses, natural features, the volume of traffic to be accommodated, and construction requirements. Standards are applied for all new construction and for complete reconstruction projects.

(2) :

Plus shoulders if no curb and gutter:

| | <u>Right</u> | <u>Left (divided roadways)</u> |
|------------|--------------|--------------------------------|
| Interstate | 10 | 6 |
| Expressway | 10 | 6 |
| Arterial | 10 | 2 |
| Collector | 8 | NA |
| Local | 6 | NA |

(3) :

100 feet less if frontage roads are not required.

(4) :

Plus 12 foot left-turn lanes where major left-turn movements exist.

(5) :

Eight foot parking lanes can be added to these streets if necessary and if additional right-of-way is available.