

**Project Design Criteria
Denali Street**

| | Criteria | Standard Design Value | Reference |
|-----------------------------|--|-------------------------------|---|
| Traffic Data | Functional Classification | Class II Urban Minor Arterial | OS&HP |
| | Design Year | 2045 | DCM 6.3 |
| | Design Vehicle | AASHTO WB-50 | DCM 6.4 B |
| | Design Speed | 45 mph | DCM 1.6 B, Table 1-3 |
| | Posted Speed | 35 mph | DCM 1.6 B, Table 1-3 |
| | Average Daily Traffic (ADT) Tudor Rd to 36 th Ave | 5,187 to 7,417 | 2015 ADOT&PF Annual Average Daily Traffic GIS Map |
| | Average Daily Traffic (ADT) 36 th Ave to Benson Blvd | 9,491 to 9,849 | |
| | Average Daily Traffic (ADT) Benson Blvd to Northern Lights Blvd | 7,481 | |
| | Average Daily Traffic (ADT) Northern Lights Blvd to Fireweed Ln | 2,682 | |
| Horizontal Alignment | Horizontal Curve Radius, Minimum, No Super-elevation | 800 ft | DCM 1.9 F, Table 1-9 |
| | Stopping Sight Distance, Min. | 200 ft | DCM 1.9 D, Table 1-8 |
| | Clear Sight Triangle Length | 500 ft | DCM 1.9 F, Figure 1-20 |
| Vertical Alignment | Vertical Crest Curve K-Value Minimum | 19 | DCM 1.9 E, Figure 1-17 |
| | Vertical Sag Curve K-Value Minimum | 37 | DCM 1.9 E, Figure 1-18 |
| | Grade, minimum | 0.5% | DCM 1.9 E |
| | Grade, maximum | 6% | DCM 1.9 E |
| | Cross Slope | 2% | DCM 1.9 E |
| Cross Section | Number of Lanes | Varies 2-4 | DCM 1.6 B, Table 1-3 |
| | Lane Width | 11 ft | DCM 1.6 B, Table 1-3 |
| | Median (2-Way Left Turn Lane) | 14 ft | DCM 1.6 B, Table 1-3 |
| | Shoulder/Bike Lane Width | 4 ft | DCM 1.6 B, Table 1-3 |
| | Bicycle Facilities | Separated | DCM 1.6 B, Table 1-3 |
| | On-Street Parking | Prohibited | DCM 1.6 B, Table 1-3 |
| | Curb & Gutter | Type I | DCM Figure 1-8 |
| | Sidewalk Width | 5 ft | DCM Figure 1-8 |
| | Multi-use pathway Width | 8 ft – 10 ft | DCM Figure 1-8 |
| | Sidewalk/multi-use pathway Buffer | 7 ft minimum | DCM Figure 1-8 |
| | Side Slopes | 2:1 (h:v) maximum | DCM 1.9 E |
| | Clear Zone | 1.5 ft past curb face | DCM 1.9 F |
| | Transit Stops | Permitted | DCM Table 1-3 |
| | Driveway Width | 14 - 34 ft | DCM, Appendix 1D |
| | Maximum driveway grade | ±8-10% | DCM, Appendix 1D |
| | Curb Return, Arterials | 40 ft | DCM 1.9G, Figure 1-23 |
| | Curb Return, Collector or Residential | 20 ft – 30 ft | DCM 1.9G, Figure 1-23 |
| | Curb Return, Driveway | 15 ft | DCM 1.9G, Figure 1-23 |
| Lighting | Street Illumination Design Method | Illuminance | DCM 5.4 B |
| | Intersection Illumination Design Method | Illuminance | DCM 5.4 B |

DCM = Municipality of Anchorage's Design Criteria Manual
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**Project Design Criteria
36th Avenue**

| | Criteria | Standard Design Value | Reference |
|-----------------------------|--|-------------------------------|---|
| Traffic Data | Functional Classification | Class II Urban Minor Arterial | OS&HP |
| | Design Year | 2045 | DCM 6.3 |
| | Design Vehicle | AASHTO WB-50 | DCM 6.4 B |
| | Design Speed | 45 mph | DCM 1.6 B, Table 1-3 |
| | Posted Speed | 35 mph | DCM 1.6 B, Table 1-3 |
| | Average Daily Traffic (ADT) A St to Denali St | 15,177 to 16,378 | 2015 ADOT&PF Annual Average Daily Traffic GIS Map |
| | Average Daily Traffic (ADT) Denali St to Old Seward Hwy | 15,298 | |
| Horizontal Alignment | Horizontal Curve Radius, Minimum, No Super-elevation | 800 ft | DCM 1.9 F, Table 1-9 |
| | Stopping Sight Distance, Min. | 200 ft | DCM 1.9 D, Table 1-8 |
| | Clear Sight Triangle Length | 500 ft | DCM 1.9 F, Figure 1-20 |
| Vertical Alignment | Vertical Crest Curve K-Value Minimum | 19 | DCM 1.9 E, Figure 1-17 |
| | Vertical Sag Curve K-Value Minimum | 37 | DCM 1.9 E, Figure 1-18 |
| | Grade, minimum | 0.5% | DCM 1.9 E |
| | Grade, maximum | 6% | DCM 1.9 E |
| | Cross Slope | 2% | DCM 1.9 E |
| Cross Section | Number of Lanes | Varies 2-4 | DCM 1.6 B, Table 1-3 |
| | Lane Width | 11 ft | DCM 1.6 B, Table 1-3 |
| | Median (2-Way Left Turn Lane) | 14 ft | DCM 1.6 B, Table 1-3 |
| | Shoulder/Bike Lane Width | 4 ft | DCM 1.6 B, Table 1-3 |
| | Bicycle Facilities | Separated | DCM 1.6 B, Table 1-3 |
| | On-Street Parking | Prohibited | DCM 1.6 B, Table 1-3 |
| | Curb & Gutter | Type I | DCM Figure 1-8 |
| | Sidewalk Width | 5 ft | DCM Figure 1-8 |
| | Multi-use pathway Width | 8 ft – 10 ft | DCM Figure 1-8 |
| | Sidewalk/multi-use pathway Buffer | 7 ft minimum | DCM Figure 1-8 |
| | Side Slopes | 2:1 (h:v) maximum | DCM 1.9 E |
| | Clear Zone | 1.5 ft past curb face | DCM 1.9 F |
| | Transit Stops | Permitted | DCM Table 1-3 |
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| Lighting | Street Illumination Design Method | Illuminance | DCM 5.4 B |
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