

Residential Street Standard Considerations

- 28' is the generally-accepted minimum face-to-face street width needed to accommodate two-way traffic, one lane of parking, and emergency access.
- Wider streets generally encourage speeds that are not as safe for residential areas.
- Many cities have started requiring sidewalks to be a minimum of 5' in width in order to better accommodate two people walking side by side and to encourage pedestrian activity.
- NACTO does not recommend lane widths of greater than 11'. Studies have indicated that narrower lane widths can effectively manage speeds without decreasing safety and that wider lanes do not correlate to safer streets. Wider travel lanes also increase exposure and crossing distance for pedestrians at intersections and midblock crossings.
- NACTO recommends parking lane widths of 7-9'. FHWA recommends a lane width of 9-12' for urban local roads and 10-12' for collectors.
- Decreasing street widths can improve aesthetics of the neighborhood by creating a greater sense of enclosure.
- Decreasing street widths would reduce the amount of impervious surface.
- Nearly all houses have 2-3 garages, which accommodate 4-6 vehicles with standard minimum 25' front setbacks. There is less need for on-street parking with off-street parking provided.
- Decreasing the street width while increasing sidewalk width and pavement depth does not significantly increase development costs and would allow for the pavement to last longer.

Regional Pavement Thickness/ROW Width Standards

	Minor Residential/Local	Hypothetical Minor Residential/Local Road + Sidewalk Development Cost	Residential Collector	Minor Commercial/Industrial	Commercial/Industrial Collector	Arterials	Controlled Access	Sidewalk
East Peoria	3.5" bituminous concrete AND 9" compacted aggregate type A OR 7" stabilized granular material; ROW Width: 55'; Pavement Width: 28'	\$ 146,936.67	3.5" bituminous concrete AND 9" compacted aggregate type A OR 7" stabilized granular material; ROW Width: 65'; Pavement Width: 36'	3.5" bituminous concrete AND 9" compacted aggregate type A OR 7" stabilized granular material; ROW Width: 65' Pavement Width: 36'	3.5" bituminous concrete OR 8" PCC pavement AND 12" compacted aggregate type A OR 8" stabilized granular material; ROW Width: 65'; Pavement Width: 36'	3.5" bituminous concrete OR 8" PCC pavement AND 12" compacted aggregate type A OR 8" stabilized granular material; ROW Width: 80'; Pavement Width: 48'	ROW Width: 120'; Pavement Width: 52' (includes 4' median strip)	Width: 4'
Morton	Geotech fabric, 9" Aggregate Base, 1.5" HMA Binder, and 1.5" HMA Surface OR 7" Non-Reinforced Concrete; ROW Width: 55'; Pavement Width: 34'	\$ 160,105.00	Geotech fabric, 8" HMA Base, 2" HMA Binder, and 2" HMA Surface OR Geotech fabric, 13" Aggregate Base, 4" HMA Binder, and 2" HMA Surface OR 8" Non-Reinforced Concrete; ROW Width: 68'; Pavement Width: 38'	Geotech fabric, 8" HMA Base, 2" HMA Binder, and 2" HMA Surface OR Geotech fabric, 13" Aggregate Base, 4" HMA Binder, and 2" HMA Surface OR 8" Non-Reinforced Concrete; ROW Width: 55'; Pavement Width: 34'	Geotech fabric, 10" HMA Base, 2.5" HMA Binder, and 2" HMA Surface OR 10" Reinforced Concrete; ROW Width: 68'; Pavement Width: 38'			Width: 4' along minor residential and 5' along residential collector and minor commercial/industrial
Pekin	3" with 8" aggregate base OR 6" PCC Concrete; ROW Width: 54'; Pavement Width: 32'	\$ 146,200.49	4" with 8" aggregate base OR 6" PCC concrete; ROW Width: 66-80'; Pavement Width: 42'			6" with 10" aggregate base OR 8" PCC concrete; ROW Width: 66-80'; Pavement Width: 48'	6" with 10" aggregate base or 10" reinforced PCC concrete; ROW Width: 120'; Pavement Width: 64'	Width: 4'
Peoria	ROW Width: 60'; Pavement Width: 28'	\$ 171,672.10	ROW and Pavement Widths: Case-by-case	ROW and Pavement Widths: Case-by-case	ROW and Pavement Widths: Case-by-case	ROW and Pavement Widths: Case-by-case	ROW and Pavement Widths: Case-by-case	Width: 5'
Washington	3" bituminous concrete AND 8" compacted aggregate Type B CA-6 or CA-10; ROW Width: 60'; Pavement Width: 34'	\$ 152,838.02	3" bituminous concrete AND 10" compacted aggregate Type A CA-6 or CA-10; ROW Width: 60'; Pavement Width: 40'		4" bituminous concrete AND 8" bituminous base course			Width: 4'
Assumptions								
1,000' new road/sidewalk								
HMA @ \$110/T								
AGG BSE @ \$25/T								
Conc Sdwk \$5/SF								
Geofabric \$0.5/SY								
Regional Average		\$ 155,550.46						
Washington:Region			-2%					
Washington:Peoria			-11%					
Washington:Morton			-5%					
Assorted Options								
	Sidewalk	Road	Cost	Variance from Regional Avg.				
A	4' wide	3.5" @32' wide	\$ 157,151.60	1%				
		4" @32' wide	\$ 168,102.72					
B	4' wide	3.5" @30' wide	\$ 149,829.63	-4%				
		4" @30' wide	\$ 160,096.30					
C	5' wide	3.5" @30' wide	\$ 154,829.63	0%				
		4" @30' wide	\$ 170,096.30					

Washington Residential Pavement Widths - Most C&G Streets

<u>Street</u>	<u>Width</u>					
Adams	18-30					
Ash	34					
Aspen	34					
Austin	34					
Avon	34					
Bayberry	34					
Belford	34					
Bellaire	32					
Birchwood	34					
Bishops	24					
Bobolink	30					
Bondurant	40					
Breeze	30					
Briar Ct.	32					
Briarcliff	32					
Brief	30					
Browning	34					
Calvin	30					
Cambridge	34					
Catherine	24-30					
Cedar	30					
Chestnut	34					
Church	34					
Comfort	30					
Coventry	34					
Devonshire	34					
Dogwood	34					
Dorchester	34					
Easy	30					
Eldridge	30-34					
Elgin	30					
Elk	34					
Elm	30-34					
Evergreen	34					
Fall	30					
Fayette	30					
Fieldstone	35					
Firethorn	34					
Flossmoor	30					
Fountaindale	30					
Franklin	34					
Gillman	30					
Grandyle	30					
Greenbrier	34					

Greenfield	32					
Greystone	35					
Hampton	30-34					
Harvey	30-34					
Hawthorne	32					
Heather	34					
High	30					
Hillcrest	32					
Hilldale	30					
Holborn	34					
Holland	30					
Hunter's	34					
Jefferson	30-34					
Kensington	34					
Kingsbury	34					
Knollaire	32					
Knollcrest	34					
Lawndale	34					
Lincoln	34					
Linnhill	32					
Lori	34					
Lynn	36					
Madison	24-34					
Maple	34					
Market	14-30					
Meadowview	24-32					
Melvin	30					
Miller	34					
Mitchell	34					
Monroe	30					
Muller	32					
North	30					
Northridge	34					
Oak Ridge	34					
Oakland	24					
Oakwood	30					
Parkview	32					
Patricia	34					
Pine	34-36					
Plymouth	34					
Primrose	34					
Remington	34					
Retriever	34					
Ridge	30					
Ridgecrest	34					
Rockaway	31					
Royal	24					

Saddleridge	34					
Santa Fe	34					
Somerset	34					
Spring	30					
Spruce	24-34					
State	18-30					
Stonegate	34					
Stoneridge	35					
Stratford	30					
Streamwood	35					
Sunburst	34					
Sycamore	34					
Taft	18-34					
Terrace	31-34					
Timber Rail	34					
Tottenham	34					
Vine	30					
Wellington	34					
Westgate	34-34					
Westminster	34					
Wilshire	30-34					
Winchester	34					
Wood	18-30					
Woodcrest	30					
Woodview	34					
Yorkshire	34					
Yorktown	34					
Zinser	24-30					