

Table 4-1 LOCAL ACCESS RURAL DESIGN STANDARDS <400 ADT

Design Speed	Local Access			
	<40 MPH			>40 MPH - 50 MPH
Right-of-Way	60';20' for 0-2 lots			60
	<i>Roadway</i>			<i>Roadway</i>
	<i>Width</i>	<i>ROW Width</i>		<i>Width</i>
				<i>ROW Width</i>
0-2 Lots	12	20		12
3-15 Lots	24	60		26
16-25 Lots	24	60		26
26-40 Lots	24	60		26
> 40 Lots	26	60		26

Design Criteria in accordance with applicable WSDOT or AASHTO Design Manuals

**Table 4-2
Local Access Road Surfacing Requirements**

Lots Served	Easement Right-of-Way	Surface Width	Surface Material	Material Depth
3 to 15	60	24	BST/ACP	See Table 4-3 and 4-4
16-25	60	24	BST/ACP	See Table 4-3 and 4-4
26-40	60	24	BST/ACP	See Table 4-3 and 4-4
>40	60	26	BST/ACP	See Table 4-3 and 4-4

**Table 4-3
BST Surfacing and Structural Requirements**

Lots < 5 Acres	Subgrade Condition	Structural Number	Crushed Stone Depth	BST Surface Class A
3 Lots - 14 Lots	Poor	2	13.5 inches	3/4 inch nominal
	Average	1.5	9.5 inches	3/4 inch nominal
	Good	1.1	6.5 inches	3/4 inch nominal
15 Lots - 25 Lots	Poor	2.53	17.5 inches	3/4 inch nominal
	Average	1.93	13 inches	3/4 inch nominal
	Good	1.45	11 inches	3/4 inch nominal
26 Lots - 40 Lots	Poor	2.95	21 inches	3/4 inch nominal
	Average	2.25	15 inches	3/4 inch nominal
	Good	1.71	12 inches	3/4 inch nominal
> 40 Lots	Poor	3.31	24 inches	3/4 inch nominal
	Average	2.25	18 inches	3/4 inch nominal
	Good	1.93	13 inches	3/4 inch nominal

BST Class A is a Bituminous Surface Treatment Class A as defined in WSDOT specifications 5-02.1(1)

ACP should be used on grades exceeding 10%

Subgrade Conditions	Poor	Mr =5000 psi	A4, A5, A6, A7
	Average	Mr =10000 psi	A2
	Good	Mr= 20000 psi	A1, A3

Design Assumes the area is well drained and not susceptible to frost

Crushed Stone Depth may be reduced based upon on site soils investigation Soils investigation

**Table 4-4
ACP Surfacing and Structural Requirements**

Lots < 5 Acres	Subgrade Condition	Structural Number	ACP Surface	Crushed Stone Depth
3 Lots - 14 Lots	Poor	2.01	2.5	7
	Average	1.88	2.5	6
	Good	1.62	2.5	4
15 Lots - 25 Lots	Poor	2.53	2.5	11
	Average	2.27	2.5	9
	Good	2.27	2.5	9
26 Lots - 40 Lots	Poor	2.81	3	11.5
	Average	2.36	3	8
	Good	2.36	3	8
> 40 Lots	See Note			

Subgrade Conditions	Poor	Mr =5000 psi	AASHTO SOIL	A4, A5, A6, A7
	Average	Mr =10000 psi	AASHTO SOIL	A2
	Good	Mr= 20000 psi	AASHTO SOIL	A1, A3

Design Assumes the area is well drained and not suseptable to frost

Crushed Stone Depth may be reduced based upon on site soils investigation Soils investigation

Design for greater than 40 lots shall be in accordance with WSDOT Pavement Guide, Volume 1, as amended.