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# Transportation Concurrency and the Capital Facilities Plan (CFP) Update

BOCC Work Session – February 12, 2014



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## Covered Today

- 1) Concurrency program updates
- 2) Capital Facilities Plan (CFP) updates

## Not Covered Today

- 1) Possible Traffic Impact Fee program changes



# Guiding Principles- Concurrency

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1. More predictable outcomes for developers
2. Simpler process and easier metrics to understand
3. Promote increased awareness of congestion locations
4. Automate congestion modeling via technology



# Key Elements of the Concurrency Program Update

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1. Using the adopted Comprehensive Plan population growth rate of 1.12 percent per year- OFM medium projection
2. A 20 year planning horizon
3. Level-of-service measurement is a “roadway volume to capacity ratio” with a maximum of 90 percent
4. “Additional protective” LOS standards for individual intersections
5. In addition to LOS standards, national safety standards will apply and may be more restrictive

# Concurrency Measurement- Example

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1. 78<sup>th</sup> Street east of Highway 99 has a capacity of 7,000 vehicles in the peak hour
2. Existing traffic of 2,200 vehicles plus already permitted new traffic of 1,300 vehicles- results in a volume of 3,500 vehicles in the peak hour
3. The calculated loading is  $3,500/7,000$  or 50 percent of capacity- and if the maximum LOS is set at 90 percent, then the corridor is not in Concurrency failure



# Other Elements of the Concurrency Program Update

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1. Both a “one-hour” and a “two-hour” peak traffic measurement are being carried forward in the evaluations
2. A status color system will be adopted for corridors to increase awareness- with possible BOCC actions to provide for more developer predictability
3. Once roadways and intersections are fully built out to Arterial Atlas standards, they will not be further tested for concurrency
4. We are moving towards more automation of our traffic counting and monitoring-via remote stations and direct downloading of information into our concurrency databases



# Guiding Principles- CFP

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- 1) Projected 20 year capital funding available is \$510 million to \$540 million (Constant 2014 dollars)
- 2) Adopt a fiscally constrained CFP



# CFP Categories

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- 1) Committed- 6 yr. TIP projects
- 2) New- Concurrency driven projects
- 3) New- Regional, partnership, and urban holding projects
- 4) Ongoing programs (e.g. preservation, bridge repairs)

**DRAFT CFP 2014-2033**

**I. Committed - TIP (2014-2019)**

Road	From	To	Comments	Cost to Complete <sup>1</sup>	Highest Priority Cost
NE 119th St	NE 72nd Ave	NE 87th Ave		\$ 15,000,000	\$ 15,000,000
NE 47th Ave @ NE 78th St	Intersection			\$ 1,800,000	\$ 1,800,000
NE 94th Ave	NE Padden Pkwy	NE 99th St		\$ 7,755,000	\$ 7,755,000
TSO Projects (5)	Various			\$ 6,120,000	\$ 6,120,000
Highway 99	NE 99th St	NE 107th St		\$ 8,800,000	\$ 8,800,000
NE 99th St	NE 94th Ave	NE 107th Ave		\$ 7,500,000	\$ 7,500,000
NE 119th St	NE 50th Ave	NE 72nd Ave		\$ 8,239,000	\$ 8,239,000
NE 47th Ave	NE 68th St	NE 78th St	Urban Dev Road OGP	\$ 3,417,000	\$ 3,417,000
NE 99th St @ SR 503	Intersection		Urban Dev Road OGP	\$ 2,269,000	\$ 2,269,000
NE 10th Ave	NE 154th St	NE 164th St		\$ 22,000,000	\$ 22,000,000
<b>Completed Cost of 2014-19 TIP Projects</b>				<b>\$ 82,900,000</b>	<b>\$ 82,900,000</b>

**II. New - Concurrency Driven Projects**

Road	From	To	Comments	Cost <sup>2</sup>	Highest Priority Cost
Padden Pkwy @ Andresen	Intersection		Interim upgrade	\$ 15,000,000	\$ 15,000,000
Ward Road	NE 88th St	NE 172nd Ave Bridge	1.7 capacity NB	\$ 9,700,000	\$ 9,700,000
Salmon Ck Ave	WSU Entrance	NE 50th Ave	WSU provide R/W; env. Issues	\$ 12,100,000	\$ 12,100,000
NE 119th St	NE 87th Ave	NE 112th Ave	1.0 capacity EB	\$ 26,200,000	\$ 26,200,000
NE 72nd Ave	NE 122nd St	NE 219th St	NB 1.23 capacity	\$ 83,900,000	\$ 30,000,000
Urban Arterial Intersections	Various		N/A	\$ 20,000,000	\$ 15,000,000
NE 10th Ave	187th Street	214th St	1.7 capacity NB	\$ 14,000,000	0
<b>Cost of New Projects</b>				<b>\$ 180,900,000</b>	<b>\$ 108,000,000</b>

**III. New - Regional & Partnership Projects**

Road	From	To	Comments	Cost <sup>3</sup>	Highest Priority Cost
NE 179th St/I-5 Interchange	Delfel	NE 15th Ave	County road only	\$ 15,000,000	\$ 15,000,000
Padden Pkwy @ SR 503	Interchange		Assumes 75% WSDOT	\$ 8,000,000	0
SCIP Phase 2	NE 134th St	I-205	Assumes 50% WSDOT	\$ 17,500,000	\$ 17,500,000
Padden/I-205 Slip Ramp	I-205/Padden IC	NE 72nd Ave	Assumes 75% WSDOT	\$ 7,500,000	0
NE 182nd Ave @ SR-500	Intersection			\$ 1,000,000	\$ 1,000,000
NE 15th Ave Extension <sup>4</sup>	NE 179th St	NE 10th Ave	Bridge may increase cost	\$ 7,000,000	\$ 7,000,000
NE 99th St	NE 107th Ave	SR 503		\$ 6,000,000	\$ 1,000,000
NE 10th Ave	NE 149th St	NE 154th St	interim upgrade option	\$ 9,500,000	\$ 2,100,000
NE 10th Ave	NE 164th St	Fairgrounds Ent.		\$ 7,100,000	0
Highway 99	107th Street	Klineline		\$ 7,000,000	0
Highway 99	Railroad crossing	NE 78th St		\$ 11,276,000	0
NE 179th St@29th Ave & @50th Ave	Intersections		Environmental Issues	\$ 8,000,000	\$ 5,000,000
<b>County Cost of Partnership Projects</b>				<b>\$ 104,876,000</b>	<b>\$ 48,600,000</b>

**DRAFT CFP 2014-2033**

**IV. TIP On-Going Programs**

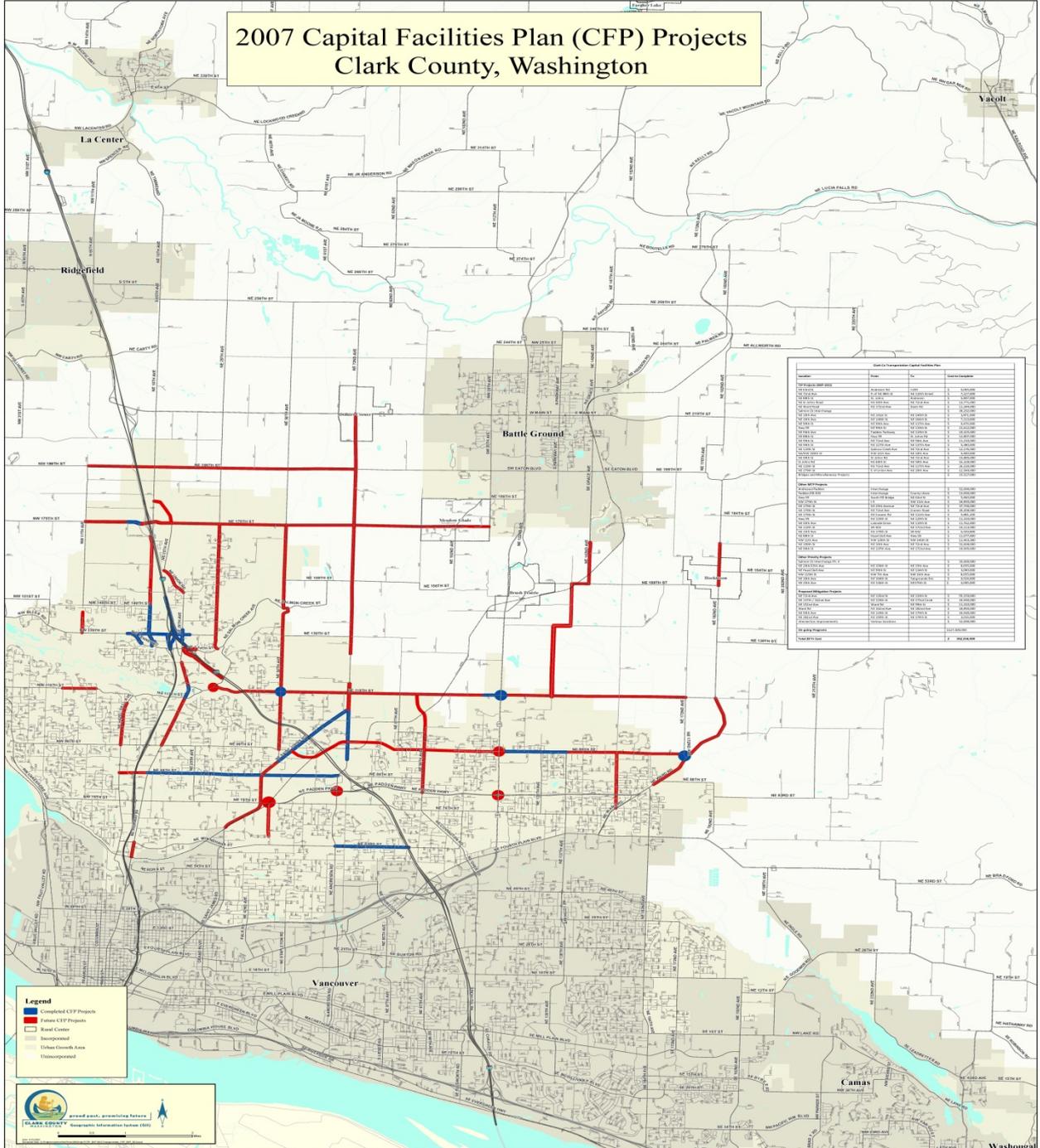
Programs	Comments	Estimated Annual	Cost	Highest Priority Cost
Bridge Repair/Rehab		\$ 2,500,000	\$ 50,000,000	\$ 50,000,000
Road Preservation		\$ 7,000,000	\$ 140,000,000	\$ 140,000,000
Rural Road Improvement Program		\$ 2,000,000	\$ 40,000,000	\$ 40,000,000
Sidewalks and ADA		\$ 600,000	\$ 12,000,000	\$ 12,000,000
Transportation Safety Imp.		\$ 1,000,000	\$ 20,000,000	\$ 20,000,000
Urban Development Road Prgm		\$ 1,250,000	\$ 25,000,000	\$ 25,000,000
Traffic Signal Optimization		\$ 300,000	\$ 6,000,000	\$ 6,000,000
<b>Cost of OGP's</b>		<b>\$ 14,650,000</b>	<b>\$ 293,000,000</b>	<b>\$ 293,000,000</b>

**CFP TOTAL COST \$ 661,676,000**

**Notes: CFP HIGHEST PRIORITY COST \$ 532,500,000**

1 Amounts shown in 2014 Dollars  
 2 County road segments with v/c > 90%  
 3 2035 Medium OFM projection

# 2007 Capital Facilities Plan (CFP) Projects Clark County, Washington



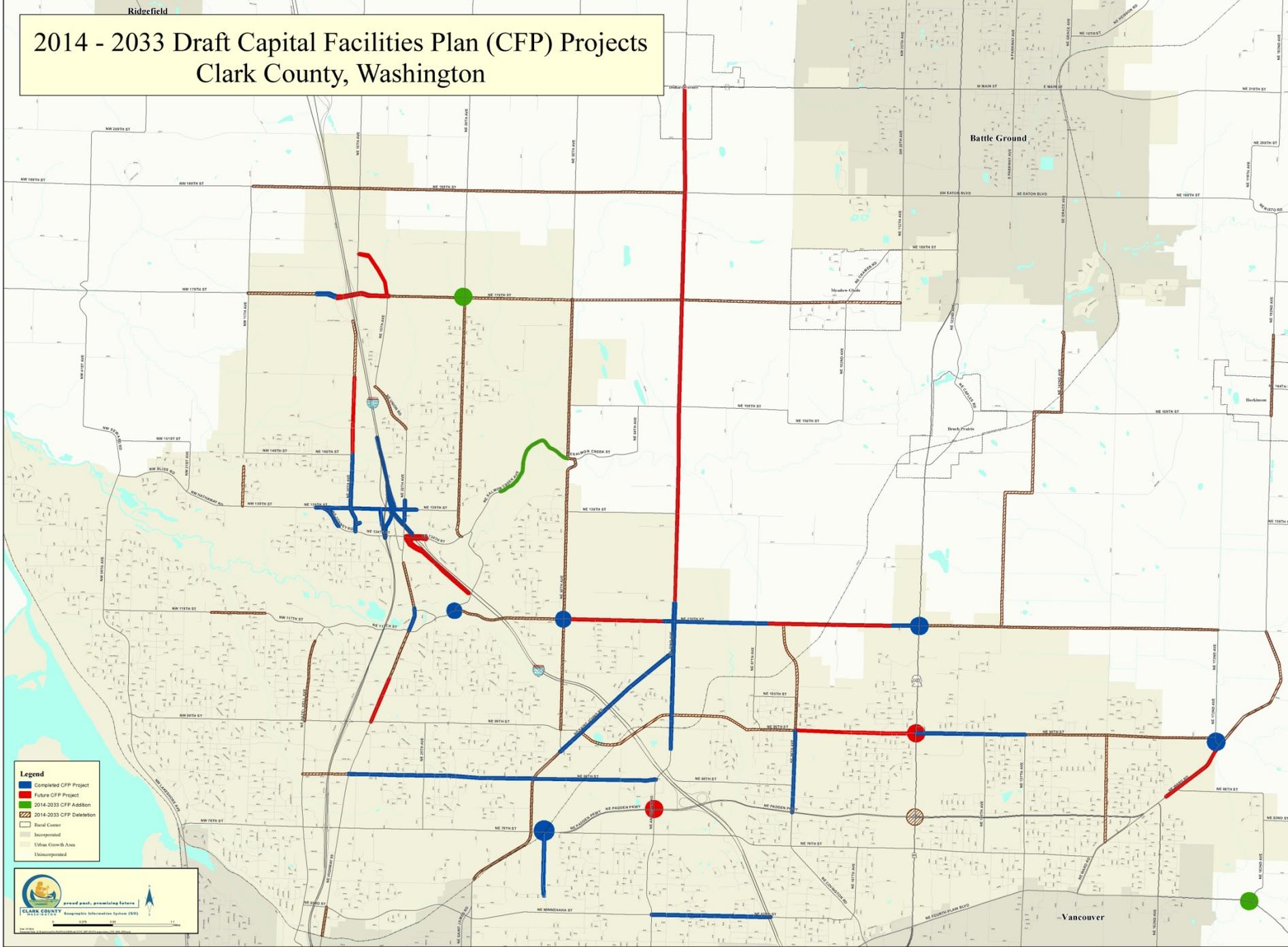
**Legend**

- Completed CFP Projects
- Planned CFP Projects
- Rural Center
- Incorporated
- Urban Growth Area
- Unincorporated

Project Name	Location	Start Year	End Year	Estimated Cost (\$)
1. 1st Street	La Center	2007	2008	1,500,000
2. 2nd Street	La Center	2007	2008	1,500,000
3. 3rd Street	La Center	2007	2008	1,500,000
4. 4th Street	La Center	2007	2008	1,500,000
5. 5th Street	La Center	2007	2008	1,500,000
6. 6th Street	La Center	2007	2008	1,500,000
7. 7th Street	La Center	2007	2008	1,500,000
8. 8th Street	La Center	2007	2008	1,500,000
9. 9th Street	La Center	2007	2008	1,500,000
10. 10th Street	La Center	2007	2008	1,500,000
11. 11th Street	La Center	2007	2008	1,500,000
12. 12th Street	La Center	2007	2008	1,500,000
13. 13th Street	La Center	2007	2008	1,500,000
14. 14th Street	La Center	2007	2008	1,500,000
15. 15th Street	La Center	2007	2008	1,500,000
16. 16th Street	La Center	2007	2008	1,500,000
17. 17th Street	La Center	2007	2008	1,500,000
18. 18th Street	La Center	2007	2008	1,500,000
19. 19th Street	La Center	2007	2008	1,500,000
20. 20th Street	La Center	2007	2008	1,500,000
21. 21st Street	La Center	2007	2008	1,500,000
22. 22nd Street	La Center	2007	2008	1,500,000
23. 23rd Street	La Center	2007	2008	1,500,000
24. 24th Street	La Center	2007	2008	1,500,000
25. 25th Street	La Center	2007	2008	1,500,000
26. 26th Street	La Center	2007	2008	1,500,000
27. 27th Street	La Center	2007	2008	1,500,000
28. 28th Street	La Center	2007	2008	1,500,000
29. 29th Street	La Center	2007	2008	1,500,000
30. 30th Street	La Center	2007	2008	1,500,000
31. 31st Street	La Center	2007	2008	1,500,000
32. 32nd Street	La Center	2007	2008	1,500,000
33. 33rd Street	La Center	2007	2008	1,500,000
34. 34th Street	La Center	2007	2008	1,500,000
35. 35th Street	La Center	2007	2008	1,500,000
36. 36th Street	La Center	2007	2008	1,500,000
37. 37th Street	La Center	2007	2008	1,500,000
38. 38th Street	La Center	2007	2008	1,500,000
39. 39th Street	La Center	2007	2008	1,500,000
40. 40th Street	La Center	2007	2008	1,500,000
41. 41st Street	La Center	2007	2008	1,500,000
42. 42nd Street	La Center	2007	2008	1,500,000
43. 43rd Street	La Center	2007	2008	1,500,000
44. 44th Street	La Center	2007	2008	1,500,000
45. 45th Street	La Center	2007	2008	1,500,000
46. 46th Street	La Center	2007	2008	1,500,000
47. 47th Street	La Center	2007	2008	1,500,000
48. 48th Street	La Center	2007	2008	1,500,000
49. 49th Street	La Center	2007	2008	1,500,000
50. 50th Street	La Center	2007	2008	1,500,000
51. 51st Street	La Center	2007	2008	1,500,000
52. 52nd Street	La Center	2007	2008	1,500,000
53. 53rd Street	La Center	2007	2008	1,500,000
54. 54th Street	La Center	2007	2008	1,500,000
55. 55th Street	La Center	2007	2008	1,500,000
56. 56th Street	La Center	2007	2008	1,500,000
57. 57th Street	La Center	2007	2008	1,500,000
58. 58th Street	La Center	2007	2008	1,500,000
59. 59th Street	La Center	2007	2008	1,500,000
60. 60th Street	La Center	2007	2008	1,500,000
61. 61st Street	La Center	2007	2008	1,500,000
62. 62nd Street	La Center	2007	2008	1,500,000
63. 63rd Street	La Center	2007	2008	1,500,000
64. 64th Street	La Center	2007	2008	1,500,000
65. 65th Street	La Center	2007	2008	1,500,000
66. 66th Street	La Center	2007	2008	1,500,000
67. 67th Street	La Center	2007	2008	1,500,000
68. 68th Street	La Center	2007	2008	1,500,000
69. 69th Street	La Center	2007	2008	1,500,000
70. 70th Street	La Center	2007	2008	1,500,000
71. 71st Street	La Center	2007	2008	1,500,000
72. 72nd Street	La Center	2007	2008	1,500,000
73. 73rd Street	La Center	2007	2008	1,500,000
74. 74th Street	La Center	2007	2008	1,500,000
75. 75th Street	La Center	2007	2008	1,500,000
76. 76th Street	La Center	2007	2008	1,500,000
77. 77th Street	La Center	2007	2008	1,500,000
78. 78th Street	La Center	2007	2008	1,500,000
79. 79th Street	La Center	2007	2008	1,500,000
80. 80th Street	La Center	2007	2008	1,500,000
81. 81st Street	La Center	2007	2008	1,500,000
82. 82nd Street	La Center	2007	2008	1,500,000
83. 83rd Street	La Center	2007	2008	1,500,000
84. 84th Street	La Center	2007	2008	1,500,000
85. 85th Street	La Center	2007	2008	1,500,000
86. 86th Street	La Center	2007	2008	1,500,000
87. 87th Street	La Center	2007	2008	1,500,000
88. 88th Street	La Center	2007	2008	1,500,000
89. 89th Street	La Center	2007	2008	1,500,000
90. 90th Street	La Center	2007	2008	1,500,000
91. 91st Street	La Center	2007	2008	1,500,000
92. 92nd Street	La Center	2007	2008	1,500,000
93. 93rd Street	La Center	2007	2008	1,500,000
94. 94th Street	La Center	2007	2008	1,500,000
95. 95th Street	La Center	2007	2008	1,500,000
96. 96th Street	La Center	2007	2008	1,500,000
97. 97th Street	La Center	2007	2008	1,500,000
98. 98th Street	La Center	2007	2008	1,500,000
99. 99th Street	La Center	2007	2008	1,500,000
100. 100th Street	La Center	2007	2008	1,500,000



# 2014 - 2033 Draft Capital Facilities Plan (CFP) Projects Clark County, Washington





# Next Steps

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- 1) Get BOCC direction on the proposed Concurrency program update and methodology
- 2) Get BOCC direction on the proposed CFP update, including confirmation of project list
- 3) Note- County code and Comprehensive Plan changes will require state and Planning Commission review process