

Appendix E: Calculating Transportation Cost Estimates

Appendix E – Project Cost Estimate Sources (from Table 3-D)

	Base Year Estimate	Estimate Source
Short Term Projects		
1. 12th Avenue: Deer Heights to Flint Road	\$1,865,000	Ray Wright study, 2013
2. US 2/Deer Heights: signal or intersection improvements	\$1,000,000	Bill White study, 2013 (CoS modification)
3. US 2 Signal communications/ITS from Lawson to Spotted Road	\$1,775,000	CoS Traffic Planning, 2014
4. 21 st Avenue: Hayford Road to Flint Road/Granite Avenue	\$3,384,000	Ray Wright study, 2013
5. 6 th -12 th : Garfield to Hayford	\$2,200,000	Bill White study, 2013 (CoS prorated)
6. Hayford Road/6th/12 th : signal or intersection improvements	\$800,000	CoS Traffic Planning, 2014
7. Deer Heights Road: south end to 18 th - 21 st	\$610,000	Ray Wright study, 2013
	\$11,634,000	
Medium Term Projects		
8. 12 th Avenue: Flint Road to Campus Drive	\$1,930,000	Ray Wright study, 2013
9. Campus Drive: 12 th Avenue to US 2	\$1,080,000	Ray Wright study, 2013
10. US 2/Campus Drive: Signal or intersection improvements	\$1,000,000	Bill White study, 2013 (CoS modification)
11. Campus Drive: US 2 to Granite-18 th -21 st	\$800,000	Ray Wright study, 2013
12. 18 th -21st Avenue: Technology Blvd to Spotted Road/Tech Park Drive	\$2,050,000	Ray Wright study, 2013
13. Hayford Road: Five Lanes from US 2 to 21 st Ave	\$2,250,000	Bill White study, 2013 (CoS modification)
14. Hayford Road: Three lanes from 21 st Avenue to McFarlane Road	\$1,535,000	Bill White study, 2013 (CoS prorated)
15. Hayford Road: Widened two lanes from McFarlane to I-90	\$4,302,000	Bill White study, 2013
16. Hayford Road/18th/21 st : signal or intersection improvements	\$800,000	Bill White study, 2013 (CoS modification)
17. 18 th -21 st /Flint Road: signal or intersection improvements	\$800,000	Bill White study, 2013 (CoS modification)
18. US 2 / Fairview Heights/ Spokane Tribe entrance: signal or intersection improvements	\$1,000,000	CoS Traffic Planning, 2014
19. US 2 / Craig Rd: signal or intersection improvements	\$1,000,000	CoS Traffic Planning, 2014
	\$18,547,000	
Long Term Projects		
20. Hayford Road: Widened five lanes from Northern Quest to Deno Road	\$2,090,000	Bill White study, 2013 (CoS modification)
21. Airport Drive / Spotted Road / 18 th -21 st grade separation	TBD - Airport Study	
22. Spotted Road realignment from Park Drive to Airport Drive	TBD - Airport Study	
23. Hayden Road: US 2 to 6 th -12 th Ave	\$1,092,000	Bill White study, 2013
24. 21 st Ave: Fairview Heights Road to Hayford Road	\$5,178,000	Bill White study, 2013
25. 6 th -12 th Avenue: Spokane Tribe entrance to Garfield Road	\$9,875,000	Bill White study, 2013 (CoS prorated)

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	Base Year Estimate	Estimate Source
26. Medical Lake - Four Lakes Rd/SR 904: signal or intersection improvements	\$800,000	Bill White study, 2013 (CoS modification)
27. Craig Rd/ Medical Lake- Four Lakes intersection turn lanes	\$43,000	Bill White study, 2013 (CoS modification)
28. Craig Rd/Thorpe Road: realignment of T-intersections	\$906,000	Bill White study, 2013 (CoS modification)
29. Geiger Boulevard: Three lanes from Grove to Sunset Hwy	\$3,650,000	Ray Wright study, 2013
	\$23,634,000	
Total West Plains Recommended Capacity Projects Through Year 2040 - Project Budgets	\$53,815,000	

Ray Wright study, 2013

Raymond J. Wright Jr., PE. (2013). *West Plains Transportation Study: A Traffic Engineering Evaluation of Existing Streets and Future Transportation needs to Support Growth for the City of Spokane’s West Plains*. Spokane, WA

Bill White study, 2013

Morrison Maierle, Inc. (2013, June 26). *Technical Support Memo: West Plains Transportation & Arterial Network Study* [Memorandum]. Spokane, WA: Bill White.

CoS Traffic Planning - Estimate performed by City of Spokane traffic planning group

Modification – original project estimate was modified by City of Spokane staff to reflect more accurate project costs.

Prorated – original project was divided into smaller segments and the project estimate was prorated to reflect the reduced size.