

JAMES CITY COUNTY TRANSPORTATION PLANNING ANALYSIS

Revised Build-Out Analysis - With Improvements

Road	Segment		Lanes	Distance (mi)	Build-Out By Zoning				Build-Out By Comprehensive Plan				Build-Out By Comprehensive Plan w/ Land Use Application - Commerce Park				Build-Out By Comprehensive Plan w/ Land Use Application - Transit Oriented							
					Build Out AADT	Service Level	Improvement No. Lanes	Cost (\$ million)	Build Out AADT	Service Level	Improvement No. Lanes	Cost (\$ million)	Build Out AADT	Service Level	Improvement No. Lanes	Cost (\$ million)	Build Out AADT	Service Level	Improvement No. Lanes	Cost (\$ million)				
	From	To																						
Barhamsville Rd	I-64	La Grange Pkwy	4	1.3	14670	B			33508	D			27423	B			28666	C						
Barhamsville Rd	La Grange Pkwy	Rte 60 / Rochambeau Rd	4	0.4	19543	B			31169	D			29938	C			31102	D						
Barnes Rd	Old Stage Rd	Rte 60	2	2.3	8351	C			6408	C			6290	C			6080	C						
Barnes Rd	Rte 60	Diascund Rd	2	0.9	803	B			1487	B			849	B			866	B						
Brick Bat Rd	Centerville Rd	Saw Mill Rd	2	1.3	938	B			701	B			659	B			652	B						
Brick Bat Rd	Saw Mill Rd	John Tyler Hwy	2	1.3	977	B			1102	B			849	B			903	B						
Centerville Rd	Rte 60	Jolly Pond Rd	2	1.4	17619	F	2	\$9.595	19364	F	2	\$9.595	17899	F	2	\$9.595	17895	F						
Centerville Rd	Jolly Pond Rd	Longhill Rd	2	1.0	18295	F	2	\$6.853	20449	F	2	\$6.853	19321	F	2	\$6.853	19339	F						
Centerville Rd	Longhill Rd	News Rd	2	1.1	12482	C			17503	F	2	\$7.539	14411	D			14618	D						
Centerville Rd	News Rd	Monticello Ave	2	1.4	6301	C			9436	C			7224	C			7837	C						
Centerville Rd	Monticello Ave	John Tyler Hwy	2	0.7	8059	C			10714	C			8539	C			8507	C						
Chickahominy Rd	Rte 60	Cranstons Mill Pond Rd	2	2.0	9508	C			12875	C			11367	C			10299	C						
Colonial Parkway	Rte 199	Colonial Parkway link at Jamestown Rd	2	7.9	5237	B			10513	B			5500	B			5763	B						
Colonial Parkway	Jamestown Rd	Colonial Parkway S of Jamestown Rd	2	0.3	6328	B			11547	B			6459	B			6728	B						
Colonial Parkway	Colonial Parkway S of Jamestown Rd	Williamsburg CL	2	0.7	1819	B			1482	B			1453	B			1447	B						
Cranstons Mill Pond Rd	Little Creek Dam Rd	Jolly Pond Rd	2	1.4	9295	C			10998	C			11236	C			11363	C						
Croaker Rd	Rochambeau Rd	I-64	4	0.2	29347	C			41863	F	2	\$1.371	36020	E	2	\$1.371	42231	F						
Croaker Rd	I-64	Fenton Mill Rd	4	0.4	18126	B			33466	D			33323	D			33827	E						
Croaker Rd	Rte 60	Rochambeau Rd	2	0.7	22557	F	2	\$4.797	37311	F	2	\$4.797	29361	F	2	\$4.797	29422	F						
Croaker Rd	Fenton Mill Rd	Ware Creek Road	2	2.1	8320	C			13743	D			14682	D			14785	D						
Diascund Rd	Rte 60	Barnes Rd	2	1.5	1829	B			1250	B			1498	B			1152	B						
Diascund Rd	Barnes Rd	Forge Rd	2	2.1	2632	B			2737	B			2347	B			2018	B						
Forge Rd	Brickyard Rd	Diascund Rd	2	1.8	6863	C			6905	C			4343	C			4388	C						
Forge Rd	Diascund Rd	Little Creek Dam Rd	2	0.7	6651	C			6823	C			4628	C			4314	C						
Forge Rd	Little Creek Dam Rd	Rte 60	2	2.4	11736	C			13110	D			12706	C			12539	C						
Greensprings Rd	John Tyler Hwy	Jamestown Rd	2	2.0	6254	C			9815	C			6112	C			6342	C						
I-64	Exit 243 (Grove)	Exit 247 (Lee Hall)	4	2.4	123821	F	4	IMPROVED	147849	F	4	IMPROVED	135606	F	4	IMPROVED	135931	F						
I-64	Exit 231 (Croaker Rd)	Exit 234 (Rte 199 West)	4	2.8	116250	F	2	IMPROVED	148196	F	2	IMPROVED	137721	F	2	IMPROVED	142178	F						
I-64	Exit 227 (Old Stage)	Exit 231 (Croaker Rd)	4	4.3	91673	E	2	IMPROVED	112432	F	2	IMPROVED	105894	F	2	IMPROVED	106917	F						
I-64	New Kent CL	Exit 227 (Old Stage)	4	2.7	80676	E	2	IMPROVED	80686	E	2	IMPROVED	80672	E	2	IMPROVED	80676	E						
Ironbound Rd	Longhill Connector Rd	Monticello Ave	4	1.4	10034	B			15352	B			10770	B			10801	B						
Ironbound Rd	Monticello Ave	John Tyler Hwy	2	1.9	19109	F	2	\$17.529	22035	F	2	\$17.529	19794	F	2	\$17.529	19636	F						
Ironbound Rd	John Tyler Hwy	Jamestown Rd	2	0.9	10973	C			13171	D			11988	C			11985	C						
Jamestown Rd	Rte 199	Ironbound Rd	2	2.4	16947	F	2	\$22.141	24427	F	2	\$22.141	16561	F	2	\$22.141	16553	F						
Jamestown Rd	Ironbound Rd	Greensprings Rd	2	1.2	8558	C			9489	C			7061	C			6962	C						
Jamestown Rd	Greensprings Rd	JCC WCL	2	0.7	6022	C			10563	C			5910	C			5999	C						
John Tyler Hwy	Brick Bat Rd	Centerville Rd / Greensprings Rd	2	2.1	7599	C			7790	C			7493	C			7524	C						
John Tyler Hwy	Centerville Rd/Greensprings Rd	Ironbound Rd	2	2.5	16675	F	2	\$20.428	17844	F	2	\$20.428	15177	D			15276	D						
John Tyler Hwy	Ironbound Rd	Rte 199 / Strawberry Plains Rd	2	2.4	19104	F	2	\$19.611	24257	F	2	\$19.611	19560	F	2	\$19.611	20041	F						
Jolly Pond Rd	Centerville Rd	Cranstons Mill Pond Rd	2	1.1	6661	C			5635	C			7903	C			8145	C						
La Grange Pkwy	Barhamsville Rd	Ware Creek Road	4	1.0	7361	C			23076	C			16696	C			17493	C						
Lake Powell Road	Rolling Woods Drive	Brockwood Drive	2	1.0	9182	C			14592	D			7677	C			11139	C						
Little Creek Dam Rd	Forge Rd	Chickahominy Rd	2	3.7	7620	C			8485	C			7746	C			7890	C						
Longhill Connector Rd	Longhill Rd	Ironbound Rd	2	0.6	18624	F	2	\$4.112	25798	F	2	\$4.112	23099	F	2	\$4.112	24659	F						
Longhill Rd	Longhill Connector Rd	Rte 199	2	0.3	28525	F	2	\$2.056	36550	F	2	\$2.056	32846	F	2	\$2.056	33296	F						
Longhill Rd	Springs West Road	Centerville Rd	2	2.5	15237	F	2	\$17.133	19592	F	2	\$17.133	16740	F	2	\$17.133	16425	F						
Longhill Rd	Old Towne Rd	Springs West Rd	2	1.4	20697	F	2	\$9.595	29702	F	2	\$9.595	22463	F	2	\$9.595	22586	F						
Longhill Rd	Rte 199	Old Towne Rd	2	0.8	22454	F	2	\$5.483	28910	F	2	\$5.483	26650	F	2	\$5.483	27596	F						
Monticello Ave	Ironbound Rd	Rte 199	4	0.8	29406	D			39572	F	2	\$5.483	31522	E	2	\$5.483	31798	E						
Monticello Ave	Rte 199	News Rd	4	0.3	41182	F	2	\$2.056	56124	F	2	\$2.056	41861	F	2	\$2.056	42636	F						
Monticello Ave	News Rd	Centerville Rd	2	2.8	15672	E	2	\$19.189	21359	F	2	\$19.189	16641	F	2	\$19.189	17106	F						
Mooretown Road Extended	Route 199	Croaker Rd	0	1.3									26285	F	4	\$15.839	38590	F						
Mounts Bay Road	Rte 199	Kingsmill Gate	4	0.3	10307	C			13910	D			8546	C			8964	C						
Neck-O-Land Road	Gatehouse Drive	Jamestown Rd	2	0.5	13026	C			22961	F	2	\$3.632	16537	F	2	\$3.632	19192	F						
News Rd	Centerville Rd	Powhatan Secondary	2	2.2	12602	C			16224	E	2	\$15.077	13757	D			13812	D						
News Rd	Powhatan Secondary	Monticello Ave	2	0.8	12927	C			16864	F	2	\$5.483	13566	D			13696	D						
Old Stage Rd	Fieldstone Pkwy	I-64	4	0.9	23158	B			33238	D			6222	B			32704	D						
Old Stage Rd	New Kent CL	Fieldstone Pkwy	2	1.3	11286	B			11284	B			11287	B			11287	B						
Old Towne Rd	Rte 60 / Richmond Road	Longhill Rd	2	1.4	16105	F	2	\$9.595	24524	F	2	\$9.595	21695	F	2	\$9.595	17330	F						
Pocahontas Trl	Rte 199	Kingsmill Gate	4	0.6	38440	F	2	\$7.956	44949	F	2	\$7.956	38875	F	2	\$7.956	39458	F						
Pocahontas Trl	Kingsmill Gate	Grove Interchange	4	1.2	41098	F	2	\$15.911	45704	F	2	\$15.911	41135	F	2	\$15.911	41951	F						
Pocahontas Trl	Grove Interchange	Newport News CL	2	4.3	30848	F	2	IMPROVED	37048	F	2	IMPROVED	29231	F	2	IMPROVED	29435	F						
Rochambeau Dr	Rte 60	Bridge Road (Stonehouse)	4	2.0	14790	B			21092	B			12872	B			13514	B						
Rochambeau Dr	Bridge Road (Stonehouse)	Croaker Rd	4	0.7	27415	B			39345	F	2	\$4.797	36787	E	2	\$4.797	38083	F						
Rochambeau Dr	Croaker Rd	York CL	2	2.4	9967	B			14954	B			12866	B			10835	B						
Rt 143 / Merrimac Trl	Grove Interchange	Newport News CL	4	3.0	33629	D			26356	B			22875	B			22937	B						
Rte 199	Jamestown Rd	John Tyler Hwy	4	0.4	34782	F	2	\$2.947	40669	F	2	\$2.947	37762	F	2	\$2.947	38302	F						
Rte 199	Jamestown Rd	Colonial Parkway	4	1.9	33690	B			39275	C			37144	C			37671	C						
Rte 199	Colonial Parkway	Quarterpath Rd / Mount Bay Rd	4	1.0	36447	C			39908	C			36893	C			36782	C						
Rte 199	Quarterpath Rd / Mount Bay Rd	York CL	4	1.2	29724	B			33764	B			30412	B			30958	B						
Rte 199	John Tyler Hwy	Monticello Ave	4	1.1	29002	B			34949	C			34025	C			34912	C						
Rte 199	Monticello Ave	Longhill Rd	4	1.9	30801	B			44515	C			38463	C			41234	C						
Rte 199	Longhill Rd	Rte 60 / Richmond Road	4	3.0	31292	B			48174	C			43308	C			49345	D						
Rte 60 / Richmond Road	Rochambeau Rd	Croaker Rd	4	3.2	32342	D			47266	F	2	\$42.430	39985	F	2	\$42.430	40899	F						
Rte 60 / Richmond Road	New Kent CL	Barnes Rd	4	2.5	12081	B			11144	B			9848	B			10208	B						
Rte 60 / Richmond Road	Barnes Rd	Rochambeau Rd	4	4.0	14726	B			22398	B			19812	B			20323	B						
Rte 60 / Richmond Road	Centerville Rd	Rte 199	4	0.3	50495	F	2	IMPROVED	70884	F	2	IMPROVED	60650	F	2	IMPROVED	62307	F						
Rte 60 / Richmond Road	Croaker Rd	Centerville Rd	4	2.7	40107	F	2	IMPROVED	59393	F	2	IMPROVED	48166	F	2	IMPROVED	49387	F						
Rte 60 / Richmond Road	Rte 199	Williamsburg CL	4	1.5	47978	F	2	IMPROVED	59139	F	2	IMPROVED	56959	F	2	IMPROVED	57157	F						
Treyburn Drive	Monticello Ave	Ironbound Rd	2	0.7	6947	C			9184	C			7297	C			8844	C						
Strawberry Plains Rd	Monticello Ave	John Tyler Hwy	2	1.1	8596	C			10746	C			7903	C			7869	C						
					Improvement Cost (\$ million)				\$196.986	Improvement Cost (\$ million)				\$282.796	Improvement Cost (\$ million)				\$250.109	Improvement Cost (\$ million)				\$252.850
					Assumed Improvement Cost (\$ million)				\$116.681	Assumed Improvement Cost (\$ million)				\$116.681	Assumed Improvement Cost (\$ million)				\$116.681	Assumed Improvement Cost (\$ million)				\$116.681
					Total Improvement Cost (\$ million)				\$313.667	Total Improvement Cost (\$ million)				\$399.478	Total Improvement Cost (\$ million)				\$366.790	Total Improvement Cost (\$ million)				\$369.531

Key
Roadway segments included in the Community Character Corridor
Roadway segments that will need improvement in all four alternatives
Roadway segments that will need improvement in three alternatives
Roadway segments that will need improvement in two alternatives
Roadway segments that will need improvement in one alternative
Roadway segments with assumed improvements

Assumed Improvements
• I-64
• Route 60/Richmond Rd (Croaker Rd to WCL)
• Pocahontas Trl (Grove Interchange to Newport News CL)