

2020 PRIORITY BASELINE SCENARIO (OPTION 1D) --- (2:00-3:00 PM)
NORTHBOUND I-5 ADJUSTED 2020 EMME/2 VOLUMES FOR OPERATIONS ANALYSIS

Column Indicator		A	B	C	D	E	F	G	H	
Calculation					[B * 20.6%]	[C * 20.6%]	[E - D]	[E/Seg. Tot.]	[A+(F Seg. Tot.*G)]	
Row No.		1999 Existing Conditions (2-3 pm) ²	Emme/2 4-Hr Volume		Emme/2 Hourly Volume (2-3 pm)		Vol change 2020 -2000 (Emme/2)	% of segment growth (On/Off 2020 Emme/2)	2020 Adj. Demands	
			2000	2020	2000	2020				
1	I-5 Mainline Start	1	4055	13674	14329	2817	2952	135		4190
2	Weidler OFF	3	1347	4570	6019	941	1240	298	33.4%	1583
3	I-84 ON	2	1382	3404	7407	701	1526	825	29.0%	1553
4	Tillamook ON	4	977	3445	3525	710	726	16	13.8%	1058
5	I-405 OFF	5	1112	2132	4100	439	845	405	22.8%	1272
6	Greeley OFF	6	746	3457	3612	712	744	32	20.0%	887
7	I-405 ON	7	2756	13732	12976	2829	2673	-156	50.7%	3055
8	Skidmore OFF	8	1548	4432	4285	913	883	-30	23.8%	1716
9	Going ON	9	471	797	498	164	103	-62	1.9%	482
10	Alberta ON	10	105	1329	1171	274	241	-33	4.6%	132
11	Segment Check		4992	21790	21890	4489	4509			5013
12	Segment total ONs		5690	22707	25577	4678	5269	591	100.0%	6281
13	Segment total OFFs		4752	14591	18016	3006	3711	706	100.0%	5458
14	Portland Blvd. OFF	11	428	1406	939	290	193	-96	8.8%	431
15	Portland Blvd. ON	12	135	1415	1360	291	280	-11	9.4%	154
16	Lombard St. EB OFF	13	295	2256	1912	465	394	-71	17.9%	300
17	Lombard St. WB OFF	14	288	1817	1032	374	213	-162	9.7%	290
18	Columbia Blvd. OFF	15	604	0	2162	0	445	445	20.3%	609
19	Columbia Blvd. ON ¹	15a	0	0	735	0	151	151	5.1%	422
20	Victory Blvd. OFF	16	230	574	915	118	188	70	8.6%	232
21	Marine Dr. OFF	17	489	268	442	55	91	36	4.1%	490
22	Denver/Delta ON	18	849	3863	4057	796	836	40	27.9%	720
23	Marine/Swift ON	19	1097	4530	4469	933	921	-13	30.8%	973
24	Hayden Is. OFF	20	850	4215	3252	868	670	-198	30.5%	857
25	Hayden Is. ON	21	774	3745	3905	771	804	33	26.9%	828
26	Segment Check		4662	24807	25762	5110	5307			4900
27	Segment total ONs		2855	13553	14526	2792	2992	200	100.0%	3096
28	Segment total OFFs		3185	10536	10654	2170	2195	24	100.0%	3209
29	SR 14 OFF	22	1011	3227	2959	665	610	-55	18.6%	1050
30	City Center OFF	23	381	1998	2873	412	592	180	18.1%	419
31	SR14 ON	24	808	1356	1883	279	388	109	21.8%	876
32	Mill Plain/4th PI OFF	25	1199	4082	3667	841	755	-85	23.1%	1247
33	Mill Plain ON	26	1044	4567	3480	941	717	-224	40.4%	1170
34	4th Plain ON	27	525	1188	3259	245	671	427	37.8%	643
35	SR 500/39th OFF	28	1524	5585	6403	1151	1319	169	40.3%	1608
36	Segment Check		2924	17026	18482	3507	3807			3265
37	Segment total ONs		2377	7111	8622	1465	1776	311	100.0%	2688
38	Segment total OFFs		4115	14892	15902	3068	3276	208	100.0%	4323
39	39th ON	29	351	807	1870	166	385	219	10.1%	445
40	Main St. OFF	30	658	4494	2263	926	466	-460	14.0%	738
41	Main St. ON	31	204	1586	3137	327	646	320	16.9%	362
42	78th St OFF	32	862	1844	3961	380	816	436	24.4%	1002
43	78th St. ON	33	371	1239	2808	255	578	323	15.1%	512
44	99th St. OFF	34	696	3634	4321	749	890	142	26.7%	848
45	99th St. ON	35	281	1942	2208	400	455	55	11.9%	392
46	134th St. OFF	36	640	3462	5658	713	1166	452	34.9%	839
47	134th St. ON ¹	36a	371	1679	1569	346	323	-23	8.4%	450
48	I-205 ON	37	1155	6796	6998	1400	1442	42	37.6%	1508
49	I-5 Mainline End	38	3257	15963	20870	3288	4299	1011		4268
50	Segment Check		2800	17641	20869	3634	4299			3506
51	Segment total ONs		2732	14049	18590	2894	3830	935	100.0%	3668
52	Segment total OFFs		2857	13434	16203	2767	3338	570	100.0%	3427

Notes:

1. New on-ramps added under this scenario include Columbia Blvd. On-ramp and 134th On-ramp.
2. Adjusted as appropriate.

Adjustments to New On-ramp Volumes

134th On-ramp - Jan 99 volume for 134th on-ramp assumes a shift of 371 veh from the current I-205 to Hwy 99 on-ramp based on count information provided by RTC.
 Columbia Blvd. On-ramp - 2020 adj. demand volume based on volume shift from Marine Dr. and Interstate Ave. as well as induced trips into the I-5 corridor at Columbia Blvd.

Northbound I-5 (Corridor Demand)

	2020 Priority Baseline				2000 Existing Conditions				
	2-3	3-4	4-5	5-6	2-3	3-4	4-5	5-6	
	6076	6735	7051	7029	5448	5991	6207	6197	ramps only
	4146	4261	4339	4326	4116	4225	4298	4286	Mainline on
	10222	10996	11390	11356	9563	10215	10504	10483	Total

Demand at Columbia River Bridge (Northbound)

	2020 Priority Baseline				2000 Existing Conditions			
	2-3	3-4	4-5	5-6	2-3	3-4	4-5	5-6
	4900	5831	6140	5983	4662	5549	5820	5667

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