

November 25, 2014 Model Runs

ID	Intersection	LOS Standard <sup>1</sup>	2014 Existing		2025 Existing		2025 Baseline		2035 Baseline		2035 Baseline		2035 Full Build		City Standard	Intersection Control
			LOS <sup>2</sup>	Delay	LOS	Delay	S1_no 509	S2.1_w Tolls/Turn Restrictions	S4_w Tolls/Turn Restrictions	S6.1_w Tolls plus SAE/Turn Restrictions	S5.1_Full Build 509/SAE w Tolls/Turn Restrictions	LOS	Delay	LOS		
1	International Blvd/S 182nd St	E	C	20	C	33	A	4	B	10	A	5	A	5	E	Signal
2	28th Ave S/S 188th St	D	C	30	D	49	E	69	F	98	E	55	D	45	D	Signal
3	International Blvd/S 188th St	E	E	68	F	109	E	75	F	90	F	89	F	84	E	Signal
4	International Blvd/S 192nd St	E	A	10	B	11	C	31	C	21	B	20	C	21	E	Signal
5	26th Ave S/S 200th St	D	B	15	C	32	D	37	D	54	D	42	D	46	D	Signal
6	International Blvd/S 200th St	E	E	58	F	92	F	81	F	124	F	116	F	121	E	Signal
7	International Blvd/S 208th St	E	B	18	C	21	C	21	C	22	C	21	C	21	E	Signal
8	Des Moines Memorial Dr/S 188th St	E	C	27	C	35	C	25	C	29	C	29	C	27	E	Signal
9	Military Rd/S 188th St	D	C	30	D	47	C	34	D	46	D	42	D	39	D	Signal
10	I-5 SB Ramp/S 188th St	D	C	34	D	38	D	38	D	44	D	41	D	42	D	Signal
11	I-5 NB Ramp/S 188th St	D	C	35	D	47	C	24	D	44	D	44	D	44	D	Signal
12	Des Moines Memorial Dr/S 200th St	E	B	18	B	13	B	12	B	13	B	12	B	12	E	Signal
13	SR 518 WB Off-Ramp/S 154th St <sup>3</sup>		F	69	B	11	A	9	A	9	A	10	A	10		Signal
14	International Blvd/S 154th St	E	D	46	E	62	E	59	E	78	E	76	E	76	E	Signal
16	International Blvd/SR 518 EB On-Ramp	E	B	11	B	10	A	10	B	10	B	10	B	10	E	Signal
17	International Blvd/S 160th St	E	C	28	C	30	C	29	C	32	C	32	C	32	E	Signal
18	International Blvd/S 170th St	E	D	43	F	123	F	107	F	194	F	222	F	212	E	Signal
19	International Blvd/S 176th St	E	C	28	C	23	C	23	C	28	C	27	C	27	E	Signal
20	Military Rd/S 170th St	D	<sup>-4</sup>	<sup>-4</sup>	B	14	B	14	B	14	B	14	B	14	D	Signal
21	Military Rd/S 176th St	D	<sup>-4</sup>	<sup>-4</sup>	F	83	E	64	E	76	E	74	E	74	D	Signal
22	Military Rd /200th St (I-5 SB Ramp)	D	E	56	D	49	D	47	D	48	D	50	D	50	D	Signal
23	Military Rd/I-5 NB Ramp	D	B	18	C	21	B	13	B	14	B	13	B	14	D	Signal
24	24th Ave S/S 128th St	D	A	7	A	7	A	7	A	7	A	7	A	7	D	Signal
25	24th Ave S/S 142nd St		B	14	C	15	C	15	C	16	C	16	C	16		Stop
26	Des Moines Way S/S 128th St	E	B	19	C	20	B	20	C	20	C	20	C	20	E	Signal
27	Des Moines Way S/S 136th St	E	A	8	A	9	A	8	A	8	A	8	A	8	E	Signal
28	Des Moines Way S/S 144th St	E	C	23	C	28	C	27	C	31	C	31	C	31	E	Signal
29	Des Moines Way S/SR 518 WB Off Ramp	D	B	14	C	16	B	14	C	15	C	15	C	15	D	Stop
30	Des Moines Way S/SR 518 EB On-Ramp	E	A	8	A	10	A	9	A	10	A	10	A	10	E	Signal
31	Des Moines Way S/S 156th St (S 156th Way)	E	C	33	C	30	D	37	D	35	D	37	D	37	E	Signal
32	Des Moines Memorial Dr/Des Moines Way S & S 160th St	E	A	8	A	9	B	10	B	11	B	11	B	11	E	Signal
33	24th Ave S/S 154th St	D	A	9	A	9	A	9	B	10	B	10	B	10	D	Signal
34	Military Rd/S 150th St	D	C	19	D	28	D	32	E	48	E	47	F	54	D	Stop
35	28th Ave S/509 WB Ramps	D	<sup>-5</sup>	<sup>-5</sup>	-	-	B	12	B	13	B	11	B	11	D	Signal
36	28th Ave S/509 EB Ramps	D	<sup>-5</sup>	<sup>-5</sup>	-	-	A	0	A	0	A	10	A	9	D	Signal

Notes:

1. WSDOT Standards used for On/Off Ramp intersections
2. HCM 2000 used for LOS due to non-standard signal phasing. Consideration may be given to updating signal phasing to NEMA control for final analysis.
3. Stop controlled under existing conditions
4. Intersection was under construction at time counts were completed
5. Intersection does not exist under existing conditions

Indicates LOS E operations

Indicates LOS F operations