

Northbound I-25 Existing Freeway Operations			
NB Existing ref. # for HCS+ Files	Link/Interchange	Level of Service	
		AM Peak Hour	PM Peak Hour
		Existing	Existing
	<b>University</b>		
01	Basic Freeway Section (University On-Ramp to Downing/Emerson/Washington Off-Ramp)	C	C
	Check Downing/Emerson/Washington Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
02	Diverge (Downing/Emerson/Washington Off-Ramp) - downstream	C	C
03	Basic Freeway Section (Northwest of Downing/Emerson/Washington Off-Ramp)	C	C
	Overall LOS (University to Downing)	<b>C</b>	<b>C</b>
	<b>Downing</b>		
03	Basic Freeway Section (Northwest of Downing/Emerson/Washington Off-Ramp)	C	C
	Overall LOS (Downing to Washington)	<b>C</b>	<b>C</b>
	<b>Washington</b>		
03	Basic Freeway Section (Northwest of Downing/Emerson/Washington Off-Ramp)	C	C
	Check Lincoln/Broadway Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
04a	Diverge (Lincoln/Broadway Off-Ramp) - upstream	D	C
04b	Diverge (Lincoln/Broadway Off-Ramp) - downstream	D	C
05	Basic Freeway Section (Northwest of Lincoln/Broadway Off-Ramp)	C	C
	Check Washington On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
06a	Merge (Washington On-Ramp) - upstream	C	B
06b	Merge (Washington On-Ramp) - downstream	C	B
07	Basic Freeway Section (Northwest of Washington On-Ramp)	C	C
	Overall LOS (Washington to Broadway)	<b>D</b>	<b>C</b>
	<b>Broadway</b>		
07	Basic Freeway Section (Northwest of Washington On-Ramp)	C	C
	Check Broadway On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
08a	Merge (Broadway On-Ramp) - upstream	E	E
08b	Merge (Broadway On-Ramp) - downstream	E	E
09	Basic Freeway Section (Northwest of Broadway On-Ramp)	D	C
	Check Santa Fe Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
10a	Diverge (Santa Fe Off-Ramp) - upstream	C	C
10b	Diverge (Santa Fe Off-Ramp) - downstream	C	C
11	Basic Freeway Section (North of Santa Fe Off-Ramp)	D	D
	Check Santa Fe On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
12	Merge (Santa Fe On-Ramp)	E*	E*
13	Basic Freeway Section (North of Santa Fe On-Ramp)	D	D
	Overall LOS (Broadway to Santa Fe)	<b>E</b>	<b>E</b>
	<b>Santa Fe</b>		
13	Basic Freeway Section (North of Santa Fe On-Ramp)	D	D
	Check Santa Fe On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
14	Merge (Santa Fe On-Ramp)	D	D
15	Basic Freeway Section (North of Santa Fe On-Ramp)	E	D
	Overall LOS (Santa Fe to Alameda)	<b>E</b>	<b>D</b>
	<b>Alameda</b>		

\* Capacity check is void in the HCS+ software. Use Exhibit 25-7 on p. 25-8 of the HCM 2000 Manual to calculate LOS.

### Southbound I-25 Existing Freeway Operations

SB Existing ref. # for HCS+ Files	Link/Interchange	Level of Service	
		AM Peak Hour	PM Peak Hour
		Existing	Existing
<b>Alameda</b>			
	Basic Freeway Section (North of SB Santa Fe Off-Ramp)	E	E
01	Basic Freeway Section (North of SB Santa Fe Off-Ramp)	E	E
02	Check SB Santa Fe Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
03	Basic Freeway Section (SB Santa Fe Off-Ramp)	C	D
	Basic Freeway Section (South of SB Santa Fe Off-Ramp)	E	D
	Overall LOS (Alameda to Santa Fe)	<b>E</b>	<b>E</b>
<b>Santa Fe</b>			
03	Basic Freeway Section (South of SB Santa Fe Off-Ramp)	E	D
	Check SB Santa Fe On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
04	Merge (SB Santa Fe On-Ramp)	D	D
05	Basic Freeway Section (Southeast of SB Santa Fe On-Ramp)	D	C
06	Weave (SB Santa Fe On-Ramp to Broadway Off Ramp)	F	D
	Check NB Santa Fe On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
07a	Merge (NB Santa Fe On-Ramp) - adjacent upstream	D	C
07b	Merge (NB Santa Fe On-Ramp) - adjacent downstream	D	C
08	Basic Freeway Section (within weave section)	C	C
09	Weave (NB Santa Fe On-Ramp to Broadway Off-Ramp)	C	B
	Check Broadway Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
10a	Diverge (Broadway Off-Ramp) - adjacent upstream	C	B
10b	Diverge (Broadway Off-Ramp) - adjacent downstream	C	B
11	Basic Freeway Section (Southeast of Broadway Off-Ramp)	C	B
	Overall LOS (Santa Fe to Broadway)	<b>F</b>	<b>E</b>
<b>Broadway</b>			
11	Basic Freeway Section (Southeast of Broadway Off-Ramp)	C	B
	Check Washington/CD-Rd Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
12a	Diverge (Washington/CD-Rd Off-Ramp) - adjacent upstream	B	B
12b	Diverge (Washington/CD-Rd Off Ramp) - adjacent downstream	B	B
13	Basic Freeway Section (Parallel to CD-Road)	C	C
	Check Broadway/CD-Rd On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
14	Basic Freeway Section (Broadway/CD-Rd On-Ramp)	A	B
15a	Merge (Broadway/CD-Rd On-Ramp) - adjacent upstream	B	B
15b	Merge (Broadway/CD-Rd On-Ramp) - adjacent downstream	B	B
16	Basic Freeway Section (Southeast of Broadway/CD-Rd Merge)	C	B
	Overall LOS (Broadway to Washington)	<b>C</b>	<b>C</b>
<b>Collector-Distributor Road</b>			
	Check Beginning of Broadway On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
17	Basic Freeway Section (CD-Road)	A	C
18	Weave Between Broadway and Washington	B	F
	Check end of Washington/Emerson St. Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
19	Diverge (Off-Ramp to Washington/Emerson St.)	B	C
	Overall LOS (CD-Road Between Broadway and Washington)	<b>B</b>	<b>F</b>
<b>Washington</b>			
16	Basic Freeway Section (Southeast of Broadway/CD-Rd Merge)	C	B
20	Basic Freeway Section ( Southeast of Lane Drop)	C	C
	Overall LOS (Washington to Downing)	<b>C</b>	<b>C</b>
<b>Downing</b>			
20	Basic Freeway Section (Southeast of Lane Drop)	C	C
	Check University/CD-Rd Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
	Major Diverge (University/CD-Rd Off-Ramp)	B*	B*
21	Basic Freeway Section (Parallel to CD-Road)	C	C
	Check Downing/CD-Rd On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
22	Merge (Downing/CD-Rd On-Ramp)	D	C
23	Basic Freeway Section (East of On-Ramp Merge)	D	C
	Overall LOS (Downing to University)	<b>D</b>	<b>C</b>
<b>Collector-Distributor Road</b>			
	Check Beginning of Downing On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK
24	Merge (Downing On-Ramp to CD-Rd)	B	B
25	Basic Freeway Section (CD-Rd)	B	B
26	Weave Between Downing and University	E	C
27	Diverge (Downing On-Ramp from CD-Rd)	B	B
	Overall LOS (CD-Rd between Downing and University)	<b>E</b>	<b>C</b>
<b>University</b>			

\* Major Diverge use Formula 25-12 on p. 25-17 of the HCM 2000 Manual then use Exhibit 25-4 on p. 25-5 of the HCM 2000 Manual to calculate LOS.



Southbound I-25 2030 No-Action/Preferred Freeway Operations									
SB No-Action & Preferred ref. # for HCS+ Files	Link/Interchange	Level of Service				Level of Service			
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
		No-Action	No-Action	No-Action	No-Action	Preferred Alt.	Preferred Alt.	Preferred Alt.	Preferred Alt.
1	Basic Freeway Section (North of SB Santa Fe Off-Ramp) Check SB Santa Fe Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	E	OK	F	OK	E	OK	F	OK
2	Major Diverge (SB Santa Fe Off-Ramp) - Use Formula 25-12	C*	C*	C*	C*	C*	C*	C*	C*
3	Basic Freeway Section (South of SB Santa Fe Off-Ramp) Overall LOS (Alameda to Santa Fe)	E	E	E	F	E	E	F	F
3	<b>Santa Fe</b> Basic Freeway Section (South of SB Santa Fe Off-Ramp)	E	OK	E	OK	E	OK	E	OK
4a	Check Santa Fe On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	D	OK	D**	OK	D	OK	D**
4b	Merge (Santa Fe On-Ramp) - adjacent downstream	D	D	D	D**	D	D	D	D**
5	Basic Freeway Section (within weave section)	D	D	D	D	D	D	D	D
6	Weave (Santa Fe On-Ramp to Broadway Off-Ramp) Check Broadway Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	F	OK	F	OK	F	OK	F	OK
7a	Diverge (Broadway Off-Ramp) - adjacent upstream	OK	E	OK	E**	OK	E	OK	E**
7b	Diverge (Broadway Off-Ramp) - adjacent downstream	E	E	E	E**	E	E	E	E**
11	Basic Freeway Section (Southeast of Broadway Off-Ramp) Overall LOS (Santa Fe to Broadway)	D	D	D	F	D	D	F	F
	<b>Broadway</b>								
11	Basic Freeway Section (Southeast of Broadway Off-Ramp)	D	OK	D	OK	D	OK	D	OK
12a	Check Washington/CD-Rd Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	C	OK	C	OK	C	OK	C
12b	Diverge (Washington/CD-Rd Off-Ramp) - adjacent upstream	C	C	C	D	C	C	C	D
13	Diverge (Washington/CD-Rd Off-Ramp) - adjacent downstream Basic Freeway Section (Parallel to CD-Road)	C	D	C	D	C	D	C	D
14	Check Broadway/CD-Rd On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK	OK	OK	OK	OK	OK	OK
15a	Basic Freeway Section (Broadway/CD-Rd On-Ramp)	B	B	B	B	B	B	B	B
15b	Merge (Broadway/CD-Rd On-Ramp) - adjacent upstream	B	C**	B	C**	B	C**	B	C**
16	Merge (Broadway/CD-Rd On-Ramp) - adjacent downstream Basic Freeway Section (Southeast of Broadway/CD-Rd Merge) Overall LOS (Broadway to Washington)	C	C	C	D	C	C	C	D
	<b>Collector-Distributor Road</b>								
17	Check Beginning of Broadway On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual	OK	OK	OK	OK	OK	OK	OK	OK
18	Basic Freeway Section (CD-Road) Weave Between Broadway and Washington	C	F	C	F	C	F	C	F
19	Check end of Washington/Emerson St. Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual Diverge (Off-Ramp to Washington/Emerson St.) Overall LOS (CD-Road Between Broadway and Washington)	OK	OK	OK	OK	OK	OK	OK	OK
	<b>Washington</b>								
16	Basic Freeway Section (Southeast of Broadway/CD-Rd Merge)	F	C	F	C	F	C	F	C
20	Basic Freeway Section ( Southeast of Lane Drop) Overall LOS (Washington to Downing)	C	D	C	D	C	D	C	D
	<b>Downing</b>								
20	Basic Freeway Section (Southeast of Lane Drop) Check University/CD-Rd Off-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual Major Diverge (University/CD-Rd Off-Ramp) - Use Formula 25-12	D	OK	D	OK	D	OK	D	OK
		B*	C*	B*	C*	B*	C*	B*	C*

21	Basic Freeway Section (Parallel to CD-Road)							
	Check Downring/CD-Rd On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual		OK	OK	OK	OK	OK	OK
22	Merge (Downring/CD-Rd On-Ramp)		F	F	F	F	F	F
23	Basic Freeway Section (East of On-Ramp Merge)		F	F	F	F	F	F
	Overall LOS (Downring to University)		<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
	<b>Collector-Distributor Road</b>							
	Check Beginning of Downring On-Ramp with Exhibit 25-3 on p. 25-4 of the HCM 2000 Manual		OK	OK	OK	OK	OK	OK
24	Merge (Downring On-Ramp to CD-Rd)		C	B	B	C	C	B
25	Basic Freeway Section (CD-Rd)		C	C	C	C	C	C
26	Weave Between Downring and University		F	F	F	F	F	F
27	Diverge (Downring On-Ramp from CD-Rd)		C	C	C	C	C	C
	Overall LOS (CD-Rd between Downring and University)		<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
	<b>University</b>							

\* Major Diverge use Formula 25-12 on p. 25-17 of the HCM 2000 Manual then use Exhibit 25-4 on p. 25-5 of the HCM 2000 Manual to calculate LOS.

\*\* Capacity check is void in the HCS+ software. Use Exhibit 25-7 on p. 25-8 of the HCM 2000 Manual to calculate LOS.