Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Atlantic St/Taylor Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 5395 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1499 Trucks and buses Recreational vehicles Ω Level Terrain type: Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1544 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 4 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1544 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69 7 mi/h Number of lanes, N 22.2 pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Atlantic St/Taylor Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 7398 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 2055 Trucks and buses Recreational vehicles 0 Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 2117 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 2117 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 62.3 mi/h Number of lanes, N 34.0 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Atlantic St/Taylor Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 6522 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1812 Trucks and buses Recreational vehicles Level Terrain type: Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1866 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 4 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1866 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 67.0 mi/h Number of lanes, N 27.8 pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Atlantic St/Taylor Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 6758 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1877 Trucks and buses Recreational vehicles 0 Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1934 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1934 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 66.0 mi/h Number of lanes, N 29.3 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Taylor Rd/Rte 65 Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 5320 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1478 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1522 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 4 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1522 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69 7 mi/h Number of lanes, N 21.8 pc/mi/ln Density, D

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Phone . Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Taylor Rd/Rte 65 Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 6770 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1881 Trucks and buses Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1937 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1937 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 66.0 mi/h Number of lanes, N 29.4 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Taylor Rd/Rte 65 Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 5598 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1555 Trucks and buses Recreational vehicles Ω Level Terrain type: Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1602 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 4 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1602 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69.4 mi/h Number of lanes, N 23.1 pc/mi/ln Density, D

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Phone . Fax: E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Taylor Rd/Rte 65 Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 6200 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1722 Trucks and buses 6 0 Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1774 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 68.1 mi/h Number of lanes, N 26.0+ Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Rte 65/Rocklin Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 3992 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1109 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1523 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1523 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69 7 mi/h Number of lanes, N 21.8 pc/mi/ln Density, D

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Phone . Fax: E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A. Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Rte 65/Rocklin Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1375 Trucks and buses Recreational vehicles 0 Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1889 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1889 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 66.7 mi/h Number of lanes, N 28.3 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Rte 65/Rocklin Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 4090 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1136 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1560 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1560 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69.6 mi/h Number of lanes, N

22.4

Density, D

pc/mi/ln

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Phone . Fax: E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A. Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Rte 65/Rocklin Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 4736 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1316 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1807 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1807 pc/h/ln Free-flow speed, FFS 70.0 mi/h 67.8 Average passenger-car speed, S mi/h Number of lanes, N 26.7 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Rocklin Rd/Sierra College Blvd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 3648 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1013 Trucks and buses Recreational vehicles Level Terrain type: Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1392 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1392 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 70.0 mi/h Number of lanes, N 3 19.9 pc/mi/ln Density, D

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Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Rocklin Rd/Sierra College Blvd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 4613 veh/h 0.90 Peak-hour factor, PHF Peak 15-min volume, v15 1281 Trucks and buses Recreational vehicles Level Terrain type: Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1760 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1760 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 68.3 mi/h Number of lanes, N 25.8 pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A. Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Rocklin Rd/Sierra College Blvd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1184 Trucks and buses Recreational vehicles 0 Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1626 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1626 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69.3 mi/h Number of lanes, N 23.5 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_ Analyst: Arthur Black Agency or Company: T<sub>1</sub>SA Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Sierra College Blvd/Horseshoe Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 3316 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 921 Trucks and buses Recreational vehicles Ω Terrain type: Level 0.00 Grade Segment length 0.00 Trucks and buses PCE, ET 1.5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 Flow rate, vp 1265 pc/h/ln \_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 interchange/mi Interchange density 0.50 Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS 70.0 mi/h Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3.0 mi/h Free-flow speed, FFS 70.0 mi/h Urban Freeway \_\_\_LOS and Performance Measures\_\_ Flow rate, vp 1265 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 70.0 mi/h Number of lanes, N 18.1 pc/mi/ln Density, D

Phone: E-mail:		Fax:	
	Operational Ana	lysis	
Analyst:	Arthur Black		
Agency or Company:	LSA		
Date Performed:	8/07/2008		
Analysis Time Period:	0,01,2000		
Freeway/Direction:	I-80 EB		
From/To:	Sierra College Blvd/Horseshoe		
Jurisdiction:	Rocklin		
Analysis Year:			
Description: 2025 Wit	hout Project - PM		
	Flow Inputs and	l Adjustments	
Volume, V		5075	veh/h
Peak-hour factor, PHF		0.90	
Peak 15-min volume, v1	5	1410	v
Trucks and buses		6	8
Recreational vehicles		0	%
Terrain type:		Level	
Grade		0.00	8.
Segment length	p.m.	0.00 1.5	mi
Trucks and buses PCE, Recreational vehicle P		1.5	
Heavy vehicle adjustme		0.971	
Driver population fact		1.00	
Flow rate, vp	01 <b>,</b> 1p		pc/h/ln
	Speed Inputs ar	d Adjustments	
Lane width		12.0	ft
Lane width Right-shoulder lateral	clearance	12.0 6.0	ft ft
	clearance		
Right-shoulder lateral Interchange density Number of lanes, N	clearance	6.0	ft
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed:	clearance	6.0 0.50 3 Measured	ft
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed: FFS or BFFS		6.0 0.50 3 Measured 70.0	ft interchange/mi mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment,	fLW	6.0 0.50 3 Measured 70.0 0.0	ft interchange/mi mi/h mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju	fLW stment, fLC	6.0 0.50 3 Measured 70.0 0.0	ft interchange/mi mi/h mi/h mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju Interchange density ad	fLW stment, fLC justment, fID	6.0 0.50 3 Measured 70.0 0.0	ft interchange/mi mi/h mi/h mi/h mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju Interchange density ad Number of lanes adjust	fLW stment, fLC justment, fID	6.0 0.50 3 Measured 70.0 0.0 0.0	ft interchange/mi mi/h mi/h mi/h mi/h mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju Interchange density ad	fLW stment, fLC justment, fID	6.0 0.50 3 Measured 70.0 0.0	ft interchange/mi  mi/h mi/h mi/h mi/h mi/h mi/h mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju Interchange density ad Number of lanes adjust Free-flow speed, FFS	fLW stment, fLC justment, fID	6.0 0.50 3 Measured 70.0 0.0 0.0 3.0 70.0 Urban Freeway	ft interchange/mi  mi/h mi/h mi/h mi/h mi/h mi/h mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju Interchange density ad Number of lanes adjustre-free-flow speed, FFS	fLW stment, fLC justment, fID ment, fN	6.0 0.50 3 Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	ft interchange/mi  mi/h mi/h mi/h mi/h mi/h mi/h y
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed:     FFS or BFFS Lane width adjustment, Lateral clearance adju Interchange density ad Number of lanes adjust: Free-flow speed, FFS Flow rate, vp	fLW stment, fLC justment, fID ment, fN	6.0 0.50 3 Measured 70.0 0.0 0.0 0.0 70.0 Urban Freewa	ft interchange/mi  mi/h mi/h mi/h mi/h mi/h mi/h mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed:    FFS or BFFS Lane width adjustment, Lateral clearance adju Interchange density ad Number of lanes adjustment Free-flow speed, FFS  Flow rate, vp Free-flow speed, FFS	fLW stment, fLC justment, fID ment, fNLOS and Perform	6.0 0.50 3 Measured 70.0 0.0 0.0 3.0 70.0 Urban Freeway	ft interchange/mi  mi/h mi/h mi/h mi/h mi/h mi/h y  pc/h/ln mi/h
Right-shoulder lateral Interchange density Number of lanes, N Free-flow speed:     FFS or BFFS Lane width adjustment, Lateral clearance adju Interchange density ad Number of lanes adjust: Free-flow speed, FFS Flow rate, vp	fLW stment, fLC justment, fID ment, fNLOS and Perform	6.0 0.50 3 Measured 70.0 0.0 0.0 0.0 70.0 Urban Freewa	ft interchange/mi  mi/h mi/h mi/h mi/h mi/h mi/h mi/h

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Sierra College Blvd/Horseshoe Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 4640 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1289 Trucks and buses Recreational vehicles Level Terrain type: Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1770 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1770 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 68.2 mi/h Number of lanes, N 26.0pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Sierra College Blvd/Horseshoe Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 4000 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1111 Trucks and buses Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1526 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS 70.0 mi/h Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1526 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69.7 mi/h Number of lanes, N 21.9 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: LSA 8/07/2008 Date Performed: Analysis Time Period: Freeway/Direction: Rte-65 NB From/To: I-80 to Harding Blvd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 4712 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1309 Trucks and buses 15 Recreational vehicles Level Terrain type: Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 1876 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1876 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 66.9 mi/h Number of lanes, N 28.0 pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: Rte-65 NB From/To: I-80 to Harding Blvd Rocklin Jurisdiction: Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 4949 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1375 Trucks and buses 15 Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 1970 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1970 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 65.4 mi/h Number of lanes, N 30.1 Density, D pc/mi/ln

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Phone . Fax. E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A 8/07/2008 Date Performed: Analysis Time Period: Freeway/Direction: Rte-65 SB From/To: I-80 to Harding Blvd Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 4122 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1145 Trucks and buses 15 Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 1641 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1641 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69.2 mi/h Number of lanes, N 23.7 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: LSA 8/07/2008 Date Performed: Analysis Time Period: Freeway/Direction: Rte-65 NB From/To: Harding Blvd/Blue Oaks Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 4345 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1207 Trucks and buses 15 Recreational vehicles Level Terrain type: Grade 0.00 Segment length 0.00 тi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 1730 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1730 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 68.6 mi/h Number of lanes, N 25.2 pc/mi/ln Density, D

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Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_ Analyst: Arthur Black Agency or Company: LSA Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: Rte-65 SB From/To: Harding Blvd/Blue Oaks Jurisdiction: Rocklin Analysis Year: Description: 2025 Without Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 4300 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1194 Trucks and buses 15 Recreational vehicles Ω Terrain type: Level 0.00 Grade Segment length 0.00 Trucks and buses PCE, ET 1.5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 Flow rate, vp 1712 pc/h/ln \_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 interchange/mi Interchange density 0.50 Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS 70.0 mi/h Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3.0 mi/h Free-flow speed, FFS 70.0 mi/h Urban Freeway \_\_\_LOS and Performance Measures\_\_ Flow rate, vp 1712 pc/h/ln Free-flow speed, FFS 70.0 mi/h 68.7 Average passenger-car speed, S mi/h Number of lanes, N 24.9 pc/mi/ln Density, D

Phone: E-mail:		Fax:		
	Operational Ana	alysis		
Analyst:	Arthur Black	•		
Agency or Company:	LSA			
Date Performed:	8/07/2008			
Analysis Time Period:	0,07,2000			
Freeway/Direction:	Rte-65 SB			
From/To:	Harding Blvd/Blue Oaks			
Jurisdiction:	Rocklin			
Analysis Year:				
Description: 2025 With	hout Project - PM			
	Flow Inputs and	d Adjustments		
Volume, V		3997	veh/h	
Peak-hour factor, PHF		0.90		
Peak 15-min volume, v1	5	1110	v	
Trucks and buses		15	%	
Recreational vehicles		0	8	
Terrain type:		Level	<u> </u>	
Grade		0.00	-	
Segment length Trucks and buses PCE, I	P T	1.5	mi	
Recreational vehicle Po		1.2		
Heavy vehicle adjustmen		0.930		
Driver population factor		1.00		
Flow rate, vp	, 1	1591	pc/h/ln	
	Speed Inputs ar	nd Adjustments		
Lane width		12.0	ft	
	clearance	6.0	ft	
Right-shoulder lateral	CIEdidice			
Interchange density	Clearance	0.50	interchange/mi	
Interchange density Number of lanes, N	Clearance	3	interchange/mi	
Interchange density Number of lanes, N Free-flow speed:	creatance	3 Measured	-	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS		3 Measured 70.0	mi/h	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment,	fLW	3 Measured 70.0 0.0	mi/h mi/h	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjus	fLW stment, fLC	3 Measured 70.0 0.0 0.0	mi/h mi/h mi/h	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju: Interchange density ad	fLW stment, fLC justment, fID	3 Measured 70.0 0.0 0.0	mi/h mi/h mi/h mi/h	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju: Interchange density ad Number of lanes adjusts	fLW stment, fLC justment, fID	3 Measured 70.0 0.0 0.0 0.0 3.0	mi/h mi/h mi/h mi/h mi/h	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adju: Interchange density ad	fLW stment, fLC justment, fID	3 Measured 70.0 0.0 0.0	mi/h mi/h mi/h mi/h mi/h mi/h	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjustment and Number of lanes adjustment, Free-flow speed, FFS	fLW stment, fLC justment, fID	3 Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h mi/h	
Interchange density Number of lanes, N Free-flow speed:    FFS or BFFS Lane width adjustment, Lateral clearance adju: Interchange density ad Number of lanes adjust: Free-flow speed, FFS	fLW stment, fLC justment, fID ment, fN	3 Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h mi/h	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjustment, at learance adjustment, Lateral clearance adjustment, Lateral cle	fLW stment, fLC justment, fID ment, fN	3 Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h mi/h	
Interchange density Number of lanes, N Free-flow speed:     FFS or BFFS Lane width adjustment, Lateral clearance adjustinterchange density ad Number of lanes adjustifice-flow speed, FFS Flow rate, vp	fLW stment, fLC justment, fID ment, fNLOS and Perform	3 Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h mi/h mi/h pi/h	
Interchange density Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjustment, Lateral clearance adjustment, Free-flow speed, FFS  Flow rate, vp Free-flow speed, FFS	fLW stment, fLC justment, fID ment, fNLOS and Perform	3 Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h mi/h mi/h mi/h	

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Atlantic St/Taylor Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 5411 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1503 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1548 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 4 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1548 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69 7 mi/h Number of lanes, N 22.2 pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A. Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Atlantic St/Taylor Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 7459 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 2072 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 2134 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 2134 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 61.9 mi/h Number of lanes, N 34.5 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Atlantic St/Taylor Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 6530 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1814 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1868 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 4 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1868 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 67.0 mi/h Number of lanes, N 27.9 pc/mi/ln Density, D

Phone . Fax. E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: LSA Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Atlantic St/Taylor Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1892 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1949 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway

LOS and Performance Measures

1949

70.0

65.8

29.6

pc/h/ln

pc/mi/ln

mi/h

mi/h

Flow rate, vp

Density, D

Free-flow speed, FFS

Average passenger-car speed, S

Number of lanes, N

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: LSA 8/07/2008 Date Performed: Analysis Time Period: Freeway/Direction: I-80 EB From/To: Taylor Rd/Rte 65 Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 5339 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1483 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1528 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 4 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1528 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69 7 mi/h Number of lanes, N 21.9 pc/mi/ln Density, D

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Phone . Fax: E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Taylor Rd/Rte 65 Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 6839 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1900 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1957 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1957 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 65.6 mi/h Number of lanes, N 29.8 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: LSA Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Taylor Rd/Rte 65 Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 5609 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1558 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1605 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 4 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 1 5 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1605 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69.4 mi/h Number of lanes, N 23.1 pc/mi/ln Density, D

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Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: LSA 8/07/2008 Date Performed: Analysis Time Period: Freeway/Direction: I-80 EB Rte 65/Rocklin Rd From/To: Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 4022 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1117 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1534 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1534 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69 7 mi/h Number of lanes, N 22.0 pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Rte 65/Rocklin Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 5063 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1406 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1931 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 66.1 mi/h Number of lanes, N 29.2 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T<sub>1</sub>SA Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Rte 65/Rocklin Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 4108 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1141 Trucks and buses Recreational vehicles Ω Terrain type: Level 0.00 Grade Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 Flow rate, vp 1567 pc/h/ln \_\_\_\_\_Speed Inputs and Adjustments\_ 12.0 Lane width Right-shoulder lateral clearance 6.0 interchange/mi Interchange density 0.50 Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1567 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69.6 mi/h Number of lanes, N 22.5 pc/mi/ln Density, D

Phone: Fax: E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T<sub>1</sub>SA Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Rte 65/Rocklin Rd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1348 Trucks and buses Recreational vehicles 0 Terrain type: Level Grade 0.00 Segment length 0.00 шi Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 Flow rate, vp 1852 pc/h/ln

Speed Inputs a	and Adjustments	
Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	3	
Free-flow speed:	Measured	
FFS or BFFS	70.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	3.0	mi/h
Free-flow speed, FFS	70.0	mi/h
	Urban Free	eway
LOS and Perfo	rmance Measures	
Flow rate, vp	1852	pc/h/ln
Free-flow speed, FFS	70.0	mi/h
Average passenger-car speed, S	67.2	mi/h
Number of lanes, N	3	
Density, D	27.5	pc/mi/ln

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Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_ Analyst: Arthur Black Agency or Company: T<sub>1</sub>SA Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 WB From/To: Rocklin Rd/Sierra College Blvd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 4625 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1285 Trucks and buses Recreational vehicles Ω Terrain type: Level 0.00 Grade Segment length 0.00 Trucks and buses PCE, ET 1.5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 Flow rate, vp 1764 pc/h/ln \_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 interchange/mi Interchange density 0.50 Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS 70.0 mi/h Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3.0 mi/h Free-flow speed, FFS 70.0 mi/h Urban Freeway \_\_\_LOS and Performance Measures\_\_ Flow rate, vp 1764 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 68.2 mi/h Number of lanes, N 25.9 pc/mi/ln Density, D

Phone: E-mail:		Fax:	
	Operational Ana	ilysis	
Analyst:	Arthur Black		
3 2 1 - 2 -	LSA		
Date Performed: Analysis Time Period:	8/07/2008		
Freeway/Direction:	T-80 WB		
	Rocklin Rd/Sierra College Blvd		
	Rocklin		
Analysis Year:			
Description: 2025 With	Project - PM		
	Flow Inputs and	d Adjustments	
Volume, V		4390	veh/h
Peak-hour factor, PHF		0.90	
Peak 15-min volume, v15		1219	v
Trucks and buses		6	8
Recreational vehicles		0 Level	용
Terrain type: Grade		0.00	9
Segment length		0.00	mi
Trucks and buses PCE, E	T	1.5	III I
Recreational vehicle PC		1.2	
Heavy vehicle adjustmen		0.971	
Driver population facto	r, fp	1.00	
Flow rate, vp		1675	pc/h/ln
	Speed Inputs ar	nd Adjustments	
Lane width		12.0	ft
Right-shoulder lateral	clearance	6.0	ft
		0.50	interchange/mi
Number of lanes, N		3	
Free-flow speed:		Measured	mi/h
Number of lanes, N Free-flow speed: FFS or BFFS	et M	Measured 70.0	mi/h
Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment,		Measured 70.0 0.0	mi/h
Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjus	tment, fLC	Measured 70.0	
Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjus Interchange density adj	tment, fLC ustment, fID	Measured 70.0 0.0 0.0	mi/h mi/h
Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjus: Interchange density adj Number of lanes adjustm	tment, fLC ustment, fID	Measured 70.0 0.0 0.0 0.0	mi/h mi/h mi/h mi/h
Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjus: Interchange density adj Number of lanes adjustm	tment, fLC ustment, fID	Measured 70.0 0.0 0.0 0.0 3.0	mi/h mi/h mi/h mi/h mi/h
Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjus: Interchange density adj Number of lanes adjustm	tment, fLC ustment, fID ent, fN	Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h
Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjus: Interchange density adj Number of lanes adjustm Free-flow speed, FFS	tment, fLC ustment, fID ent, fN	Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h
Number of lanes, N Free-flow speed: FFS or BFFS Lane width adjustment, Lateral clearance adjus Interchange density adj Number of lanes adjustm Free-flow speed, FFS Flow rate, vp	tment, fLC ustment, fID ent, fN	Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h mi/h
Number of lanes, N Free-flow speed:    FFS or BFFS Lane width adjustment, Lateral clearance adjus: Interchange density adj: Number of lanes adjustm Free-flow speed, FFS  Flow rate, vp Free-flow speed, FFS Average passenger-car s	tment, fLC ustment, fID ent, fNLOS and Perform	Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h mi/h ay
Number of lanes, N Free-flow speed:    FFS or BFFS Lane width adjustment, Lateral clearance adjus Interchange density adj Number of lanes adjustm Free-flow speed, FFS	tment, fLC ustment, fID ent, fNLOS and Perform	Measured 70.0 0.0 0.0 0.0 3.0 70.0 Urban Freewa	mi/h mi/h mi/h mi/h mi/h mi/h ay  pc/h/ln mi/h

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: I-80 EB From/To: Sierra College Blvd/Horseshoe Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 3325 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 924 Trucks and buses Recreational vehicles Ω Terrain type: Level Grade 0.00 Segment length 0.00 Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.971 Driver population factor, fp 1.00 1268 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1268 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 70 0 mi/h Number of lanes, N 18.1 pc/mi/ln Density, D

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1949

70.0

65.8

29.6

pc/h/ln

pc/mi/ln

mi/h

mi/h

Flow rate, vp

Density, D

Free-flow speed, FFS

Average passenger-car speed, S

Number of lanes, N

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65.1

30.5

mi/h

pc/mi/ln

Average passenger-car speed, S

Number of lanes, N

Density, D

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A 8/07/2008 Date Performed: Analysis Time Period: Freeway/Direction: Rte-65 SB From/To: I-80 to Harding Blvd Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_ Volume, V 4304 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1196 Trucks and buses 15 Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 1714 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1714 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 68.7 mi/h Number of lanes, N 25.0 pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A. 8/07/2008 Date Performed: Analysis Time Period: Freeway/Direction: Rte-65 NB From/To: Harding Blvd/Blue Oaks Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1339 Trucks and buses 15 Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 1919 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1919 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 66.3 mi/h Number of lanes, N 29.0 Density, D pc/mi/ln

Phone: Fax: E-mail: \_\_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A 8/07/2008 Date Performed: Analysis Time Period: Freeway/Direction: Rte-65 SB From/To: Harding Blvd/Blue Oaks Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - AM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V 4303 veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1195 Trucks and buses 15 Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1.2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 1713 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_\_ Lane width 12 0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N 3 Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 mi/h Free-flow speed, FFS Urban Freeway LOS and Performance Measures pc/h/ln Flow rate, vp 1713 Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 68.7 mi/h Number of lanes, N 24.9 pc/mi/ln Density, D

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Phone . Fax. E-mail: \_\_Operational Analysis\_\_\_\_\_ Analyst: Arthur Black Agency or Company: T.S.A. Date Performed: 8/07/2008 Analysis Time Period: Freeway/Direction: Rte-65 SB From/To: Harding Blvd/Blue Oaks Jurisdiction: Rocklin Analysis Year: Description: 2025 With Project - PM \_\_\_\_Flow Inputs and Adjustments\_\_\_\_ Volume, V veh/h Peak-hour factor, PHF 0.90 Peak 15-min volume, v15 1115 Trucks and buses 15 Recreational vehicles Terrain type: Level Grade 0.00 Segment length 0.00 m i Trucks and buses PCE, ET 1 5 Recreational vehicle PCE, ER 1 2 Heavy vehicle adjustment, fHV 0.930 Driver population factor, fp 1.00 1599 pc/h/ln Flow rate, vp \_\_\_\_\_Speed Inputs and Adjustments\_ Lane width 12.0 Right-shoulder lateral clearance 6.0 ft Interchange density 0.50 interchange/mi Number of lanes, N Free-flow speed: Measured FFS or BFFS mi/h 70 0 Lane width adjustment, fLW 0.0 mi/h Lateral clearance adjustment, fLC 0.0 mi/h Interchange density adjustment, fID 0.0 mi/h Number of lanes adjustment, fN 3 0 mi/h 70.0 Free-flow speed, FFS mi/h Urban Freeway LOS and Performance Measures Flow rate, vp 1599 pc/h/ln Free-flow speed, FFS 70.0 mi/h Average passenger-car speed, S 69.4 mi/h Number of lanes, N 23.0 Density, D pc/mi/ln