

Appendix K. Summary of Spine Corridor Intersections

This page is intentionally left blank.

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Union Hills Drive

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Union Hills	Northbound	I-17 Frontage Road	Collector	1	1,256	0	0.00	0.68	0.61	0.67
		I-17	Freeway	4	20,976	15,126	0.72			
	Southbound	-	-	-	-	-	-	-		
		-	-	-	-	-	-	-		
	Eastbound	Union Hills	Major Arterial	3	8,625	5,504	0.64	0.64		
	Westbound	Union Hills	Major Arterial	3	8,625	5,716	0.66	0.66		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Union Hills	NB Off-Ramp	2,464	3,240	0.76	0.59
	NB On-Ramp	1,170	3,240	0.36	
	SB Off-Ramp	1,327	3,240	0.41	
	SB On-Ramp	2,642	3,240	0.82	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Union Hills	West of Interchange	Eastbound	Major Arterial	3	5,832	3,743	0.64	0.56
		Westbound	Major Arterial	3	5,832	2,600	0.45	
	Between Ramps	Eastbound	Major Arterial	3	5,832	3,447	0.59	
		Westbound	Major Arterial	3	5,832	3,619	0.62	
	East of Interchange	Eastbound	Major Arterial	3	5,832	3,730	0.64	
		Westbound	Major Arterial	3	5,832	2,607	0.45	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Union Hills	Northbound	I-17 Frontage Road	Collector	1	1,857	353	0.19	1.11	1.02	1.11
		I-17	Freeway	4	29,136	34,163	1.17			
	Southbound	-	-	-	-	-	-	-		
		-	-	-	-	-	-	-		
	Eastbound	Union Hills	Major Arterial	3	8,625	9,338	1.08	1.08		
	Westbound	Union Hills	Major Arterial	3	8,625	9,861	1.14	1.14		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Union Hills	NB Off-Ramp	4,572	4,320	1.06	0.80
	NB On-Ramp	2,432	4,320	0.56	
	SB Off-Ramp	2,168	4,320	0.50	
	SB On-Ramp	4,576	4,320	1.06	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Union Hills	West of Interchange	Eastbound	Major Arterial	3	8,625	5,504	0.64	0.67
		Westbound	Major Arterial	3	8,625	5,993	0.69	
	Between Ramps	Eastbound	Major Arterial	3	8,625	4,796	0.56	
		Westbound	Major Arterial	3	8,625	7,693	0.89	
	East of Interchange	Eastbound	Major Arterial	3	8,625	4,959	0.57	
		Westbound	Major Arterial	3	8,625	5,715	0.66	

Bell Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Bell	Northbound	I-17 Frontage Road	Collector	2	2,512	510	0.20	0.67	0.60	0.85
		I-17	Freeway	4	20,976	15,340	0.73			
	Southbound	I-17 Frontage Road	Collector	2	2,512	899	0.36	1.07		
		I-17	Freeway	4	20,976	24,298	1.16			
	Eastbound	Bell	Major Arterial	3	5,832	5,165	0.89	0.89		
	Westbound	Bell	Major Arterial	3	5,832	3,414	0.59	0.59		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Bell	NB Off-Ramp	2,618	4,320	0.61	0.62
	NB On-Ramp	1,882	4,320	0.44	
	SB Off-Ramp	2,987	4,320	0.69	
	SB On-Ramp	3,249	4,320	0.75	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Bell	West of Interchange	Eastbound	Major Arterial	3	5,832	5,165	0.89	0.75
		Westbound	Major Arterial	3	5,832	4,426	0.76	
	Between Ramps	Eastbound	Major Arterial	3	5,832	4,516	0.77	
		Westbound	Major Arterial	3	5,832	4,039	0.69	
	East of Interchange	Eastbound	Major Arterial	3	5,832	4,627	0.79	
		Westbound	Major Arterial	3	5,832	3,414	0.59	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Bell	Northbound	I-17 Frontage Road	Collector	2	3,714	1,150	0.31	1.06	0.68	0.93
		I-17	Freeway	4	29,136	33,811	1.16			
	Southbound	I-17 Frontage Road	Collector	2	3,714	1,456	0.39	0.85		
		I-17	Freeway	4	29,136	26,471	0.91			
	Eastbound	Bell	Major Arterial	3	8,625	7,150	0.83	0.83		
	Westbound	Bell	Major Arterial	3	8,625	7,146	0.83	0.83		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Bell	NB Off-Ramp	4,611	5,760	0.80	0.77
	NB On-Ramp	4,334	5,760	0.75	
	SB Off-Ramp	4,630	5,760	0.80	
	SB On-Ramp	4,143	5,760	0.72	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Bell	West of Interchange	Eastbound	Major Arterial	3	8,625	7,150	0.83	0.86
		Westbound	Major Arterial	3	8,625	8,079	0.94	
	Between Ramps	Eastbound	Major Arterial	3	8,625	7,270	0.84	
		Westbound	Major Arterial	3	8,625	7,712	0.89	
	East of Interchange	Eastbound	Major Arterial	3	8,625	6,981	0.81	
		Westbound	Major Arterial	3	8,625	7,146	0.83	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Greenway Road

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Greenway	Northbound	I-17 Frontage Road	Collector	2	2,512	419	0.17	0.73	0.86	0.97
		I-17	Freeway	4	20,976	16,796	0.80			
	Southbound	I-17 Frontage Road	Collector	1	1,256	227	0.18	1.14		
		I-17	Freeway	4	20,976	25,185	1.20			
	Eastbound	Greenway	Major Arterial	2	3,888	4,564	1.17	1.17		
	Westbound	Greenway	Major Arterial	2	2,957	3,890	1.32	1.32		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Greenway	NB Off-Ramp	3,225	4,320	0.75	0.61
	NB On-Ramp	1,863	4,320	0.43	
	SB Off-Ramp	1,504	4,320	0.35	
	SB On-Ramp	3,965	4,320	0.92	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Greenway	West of Interchange	Eastbound	Major Arterial	2	3,888	4,564	1.17	1.04
		Westbound	Major Arterial	2	3,888	3,650	0.94	
	Between Ramps	Eastbound	Major Arterial	2	3,888	3,509	0.90	
		Westbound	Major Arterial	2	3,888	5,056	1.30	
	East of Interchange	Eastbound	Major Arterial	2	3,888	3,706	0.95	
		Westbound	Major Arterial	2	3,888	3,890	1.00	

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Greenway	Northbound	I-17 Frontage Road	Collector	2	3,714	1,779	0.48	1.16	0.88	1.04
		I-17	Freeway	4	29,136	36,307	1.25			
	Southbound	I-17 Frontage Road	Collector	1	1,857	0	0.00	0.88		
		I-17	Freeway	4	29,136	27,317	0.94			
	Eastbound	Greenway	Major Arterial	2	5,750	6,648	1.16	1.16		
	Westbound	Greenway	Major Arterial	2	5,750	6,570	1.14	1.14		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Greenway	NB Off-Ramp	6,542	5,760	1.14	0.78
	NB On-Ramp	3,200	5,760	0.56	
	SB Off-Ramp	2,746	5,760	0.48	
	SB On-Ramp	5,580	5,760	0.97	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Greenway	West of Interchange	Eastbound	Major Arterial	2	5,750	6,648	1.16	1.23
		Westbound	Major Arterial	2	5,750	7,642	1.33	
	Between Ramps	Eastbound	Major Arterial	2	5,750	5,880	1.02	
		Westbound	Major Arterial	2	5,750	9,707	1.69	
	East of Interchange	Eastbound	Major Arterial	2	5,750	6,084	1.06	
		Westbound	Major Arterial	2	5,750	6,570	1.14	

Thunderbird Road

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Thunderbird	Northbound	I-17 Frontage Road	Collector	1	1,256	177	0.14	0.73	0.68	0.93
		I-17	Freeway	4	20,976	16,073	0.77			
	Southbound	I-17 Frontage Road	Collector	2	2,512	1,166	0.46	1.19		
		I-17	Freeway	4	20,976	26,831	1.28			
	Eastbound	Thunderbird	Major Arterial	3	5,832	5,077	0.87	0.87		
	Westbound	Thunderbird	Major Arterial	3	5,832	4,044	0.69	0.69		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Thunderbird	NB Off-Ramp	1,793	4,320	0.42	0.73
	NB On-Ramp	2,782	4,320	0.64	
	SB Off-Ramp	3,468	4,320	0.80	
	SB On-Ramp	4,554	4,320	1.05	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Thunderbird	West of Interchange	Eastbound	Major Arterial	3	5,832	5,077	0.87	0.70
		Westbound	Major Arterial	3	5,832	3,654	0.63	
	Between Ramps	Eastbound	Major Arterial	3	5,832	4,280	0.73	
		Westbound	Major Arterial	3	5,832	3,944	0.68	
	East of Interchange	Eastbound	Major Arterial	3	5,832	3,392	0.58	
		Westbound	Major Arterial	3	5,832	4,044	0.69	

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Thunderbird	Northbound	I-17 Frontage Road	Collector	1	1,857	787	0.42	1.20	0.70	1.00
		I-17	Freeway	4	29,136	36,365	1.25			
	Southbound	I-17 Frontage Road	Collector	2	3,714	1,080	0.29	0.91		
		I-17	Freeway	4	29,136	28,688	0.98			
	Eastbound	Thunderbird	Major Arterial	3	8,625	6,866	0.80	0.80		
	Westbound	Thunderbird	Major Arterial	3	8,625	7,236	0.84	0.84		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Thunderbird	NB Off-Ramp	4,127	5,760	0.72	0.79
	NB On-Ramp	4,876	5,760	0.85	
	SB Off-Ramp	4,516	5,760	0.78	
	SB On-Ramp	4,779	5,760	0.83	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Thunderbird	West of Interchange	Eastbound	Major Arterial	3	8,625	6,866	0.80	0.80
		Westbound	Major Arterial	3	8,625	7,310	0.85	
	Between Ramps	Eastbound	Major Arterial	3	8,625	6,808	0.79	
		Westbound	Major Arterial	3	8,625	7,515	0.87	
	East of Interchange	Eastbound	Major Arterial	3	8,625	5,780	0.67	
		Westbound	Major Arterial	3	8,625	7,236	0.84	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Cactus Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Cactus	Northbound	I-17 Frontage Road	Collector	2	2,512	203	0.08	0.70	0.48	0.87
		I-17	Freeway	4	20,976	16,268	0.78			
	Southbound	I-17 Frontage Road	Collector	2	2,512	1,251	0.50	1.23		
		I-17	Freeway	4	20,976	27,523	1.31			
	Eastbound	Cactus	Major Arterial	3	6,763	4,558	0.67	0.67		
	Westbound	Cactus	Major Arterial	3	6,763	2,806	0.41	0.41		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Cactus	NB Off-Ramp	2,488	4,320	0.58	0.78
	NB On-Ramp	2,215	4,320	0.51	
	SB Off-Ramp	4,427	4,320	1.02	
	SB On-Ramp	4,303	4,320	1.00	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Cactus	West of Interchange	Eastbound	Major Arterial	3	5,832	4,558	0.78	0.68
		Westbound	Major Arterial	3	5,832	4,233	0.73	
	Between Ramps	Eastbound	Major Arterial	3	5,832	4,514	0.77	
		Westbound	Major Arterial	3	5,832	4,064	0.70	
	East of Interchange	Eastbound	Major Arterial	3	5,832	3,529	0.61	
		Westbound	Major Arterial	3	5,832	2,806	0.48	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Cactus	Northbound	I-17 Frontage Road	Collector	2	3,714	2,147	0.58	1.18	0.63	0.97
		I-17	Freeway	4	29,136	36,500	1.25			
	Southbound	I-17 Frontage Road	Collector	2	3,714	1,485	0.40	0.92		
		I-17	Freeway	4	29,136	28,685	0.98			
	Eastbound	Cactus	Major Arterial	3	8,625	5,801	0.67	0.67		
	Westbound	Cactus	Major Arterial	3	8,625	6,114	0.71	0.71		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Cactus	NB Off-Ramp	6,358	5,760	1.10	0.93
	NB On-Ramp	5,246	5,760	0.91	
	SB Off-Ramp	5,210	5,760	0.90	
	SB On-Ramp	4,511	5,760	0.78	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Cactus	West of Interchange	Eastbound	Major Arterial	3	8,625	5,801	0.67	0.74
		Westbound	Major Arterial	3	8,625	9,310	1.08	
	Between Ramps	Eastbound	Major Arterial	3	8,625	4,984	0.58	
		Westbound	Major Arterial	3	8,625	7,794	0.90	
	East of Interchange	Eastbound	Major Arterial	3	8,625	4,415	0.51	
		Westbound	Major Arterial	3	8,625	6,114	0.71	

Peoria Avenue

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Peoria	Northbound	I-17 Frontage Road	Collector	2	2,512	447	0.18	0.71	0.76	0.97
		I-17	Freeway	4	20,976	16,256	0.77			
	Southbound	I-17 Frontage Road	Collector	2	2,512	1,177	0.47	1.23		
		I-17	Freeway	4	20,976	27,651	1.32			
	Eastbound	Peoria	Major Arterial	3	5,832	7,399	1.27	1.27		
	Westbound	Peoria	Major Arterial	3	5,832	3,696	0.63	0.63		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Peoria	NB Off-Ramp	2,612	4,320	0.60	0.75
	NB On-Ramp	2,268	4,320	0.53	
	SB Off-Ramp	4,392	4,320	1.02	
	SB On-Ramp	3,627	4,320	0.84	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Peoria	West of Interchange	Eastbound	Major Arterial	3	5,832	7,399	1.27	0.98
		Westbound	Major Arterial	3	5,832	4,755	0.82	
	Between Ramps	Eastbound	Major Arterial	3	5,832	7,118	1.22	
		Westbound	Major Arterial	3	5,832	3,709	0.64	
	East of Interchange	Eastbound	Major Arterial	3	5,832	7,449	1.28	
		Westbound	Major Arterial	3	5,832	3,696	0.63	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Peoria	Northbound	I-17 Frontage Road	Collector	2	3,714	1,624	0.44	1.15	0.86	1.04
		I-17	Freeway	4	29,136	36,146	1.24			
	Southbound	I-17 Frontage Road	Collector	2	3,714	501	0.13	0.89		
		I-17	Freeway	4	29,136	28,898	0.99			
	Eastbound	Peoria	Major Arterial	3	8,625	9,338	1.08	1.08		
	Westbound	Peoria	Major Arterial	3	8,625	9,861	1.14	1.14		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Peoria	NB Off-Ramp	5,986	5,760	1.04	0.97
	NB On-Ramp	7,051	5,760	1.22	
	SB Off-Ramp	4,660	5,760	0.81	
	SB On-Ramp	4,707	5,760	0.82	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Peoria	West of Interchange	Eastbound	Major Arterial	3	8,625	9,338	1.08	1.10
		Westbound	Major Arterial	3	8,625	10,785	1.25	
	Between Ramps	Eastbound	Major Arterial	3	8,625	9,013	1.04	
		Westbound	Major Arterial	3	8,625	10,507	1.22	
	East of Interchange	Eastbound	Major Arterial	3	8,625	7,302	0.85	
		Westbound	Major Arterial	3	8,625	9,861	1.14	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Dunlap Avenue

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Dunlap	Northbound	I-17 Frontage Road	Collector	1	1,256	899	0.72	0.80	0.85	0.99
		I-17	Freeway	4	20,976	16,877	0.80			
	Southbound	I-17 Frontage Road	Collector	2	2,512	867	0.35	1.19		
		I-17	Freeway	4	20,976	27,195	1.30			
	Eastbound	Dunlap	Major Arterial	4	7,776	8,870	1.14	1.14		
	Westbound	Dunlap	Major Arterial	3	5,832	4,135	0.71	0.71		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Dunlap	NB Off-Ramp	4,173	6,480	0.64	0.63
	NB On-Ramp	3,155	6,480	0.49	
	SB Off-Ramp	4,333	6,480	0.67	
	SB On-Ramp	4,551	6,480	0.70	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Dunlap	West of Interchange	Eastbound	Major Arterial	4	7,776	8,870	1.14	0.94
		Westbound	Major Arterial	3	5,832	5,159	0.88	
	Between Ramps	Eastbound	Major Arterial	4	7,776	7,246	0.93	
		Westbound	Major Arterial	3	5,832	4,230	0.73	
	East of Interchange	Eastbound	Major Arterial	4	7,776	8,647	1.11	
		Westbound	Major Arterial	3	5,832	4,135	0.71	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Dunlap	Northbound	I-17 Frontage Road	Collector	1	1,857	2,087	1.12	1.27	0.96	1.08
		I-17	Freeway	4	29,136	37,194	1.28			
	Southbound	I-17 Frontage Road	Collector	2	3,714	950	0.26	0.90		
		I-17	Freeway	4	29,136	28,496	0.98			
	Eastbound	Dunlap	Major Arterial	4	11,500	11,217	0.98	0.98		
	Westbound	Dunlap	Major Arterial	3	8,625	10,359	1.20	1.20		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Dunlap	NB Off-Ramp	7,806	8,640	0.90	0.79
	NB On-Ramp	6,437	8,640	0.75	
	SB Off-Ramp	5,608	8,640	0.65	
	SB On-Ramp	7,538	8,640	0.87	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Dunlap	West of Interchange	Eastbound	Major Arterial	4	11,500	11,217	0.98	0.97
		Westbound	Major Arterial	3	8,625	11,876	1.38	
	Between Ramps	Eastbound	Major Arterial	4	11,500	8,020	0.70	
		Westbound	Major Arterial	3	8,625	7,724	0.90	
	East of Interchange	Eastbound	Major Arterial	4	11,500	9,139	0.79	
		Westbound	Major Arterial	3	8,625	10,359	1.20	

Northern Avenue

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Northern	Northbound	I-17 Frontage Road	Collector	1	1,256	1	0.00	0.83	0.73	0.98
		I-17	Freeway	4	20,976	18,532	0.88			
	Southbound	I-17 Frontage Road	Collector	1	1,256	407	0.32	1.22		
		I-17	Freeway	4	20,976	26,611	1.27			
	Eastbound	Northern	Major Arterial	3	5,832	5,035	0.86	0.86		
	Westbound	Northern	Major Arterial	4	7,776	6,358	0.82	0.82		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Northern	NB Off-Ramp	3,479	5,400	0.64	0.59
	NB On-Ramp	2,731	5,400	0.51	
	SB Off-Ramp	2,885	5,400	0.53	
	SB On-Ramp	3,671	5,400	0.68	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Northern	West of Interchange	Eastbound	Major Arterial	3	5,832	5,035	0.86	0.82
		Westbound	Major Arterial	4	7,776	3,870	0.50	
	Between Ramps	Eastbound	Major Arterial	3	5,832	5,469	0.94	
		Westbound	Major Arterial	4	7,776	5,220	0.67	
	East of Interchange	Eastbound	Major Arterial	3	5,832	7,485	1.28	
		Westbound	Major Arterial	4	7,776	6,358	0.82	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Northern	Northbound	I-17 Frontage Road	Collector	1	1,857	695	0.37	1.23	0.86	1.06
		I-17	Freeway	4	29,136	37,431	1.28			
	Southbound	I-17 Frontage Road	Collector	1	1,857	204	0.11	0.94		
		I-17	Freeway	4	29,136	28,839	0.99			
	Eastbound	Northern	Major Arterial	3	8,625	6,883	0.80	0.80		
	Westbound	Northern	Major Arterial	4	11,500	12,831	1.12	1.12		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Northern	NB Off-Ramp	5,335	7,200	0.74	0.70
	NB On-Ramp	5,794	7,200	0.80	
	SB Off-Ramp	3,697	7,200	0.51	
	SB On-Ramp	5,227	7,200	0.73	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Northern	West of Interchange	Eastbound	Major Arterial	3	8,625	6,883	0.80	0.88
		Westbound	Major Arterial	4	11,500	9,129	0.79	
	Between Ramps	Eastbound	Major Arterial	3	8,625	6,223	0.72	
		Westbound	Major Arterial	4	11,500	9,388	0.82	
	East of Interchange	Eastbound	Major Arterial	3	8,625	8,596	1.00	
		Westbound	Major Arterial	4	11,500	12,831	1.12	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Glendale Avenue

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Glendale	Northbound	I-17 Frontage Road	Collector	1	1,256	189	0.15	0.79	0.92	1.03
		I-17	Freeway	4	20,976	17,403	0.83			
	Southbound	I-17 Frontage Road	Collector	1	1,256	653	0.52	1.25		
		I-17	Freeway	4	20,976	27,211	1.30			
	Eastbound	Glendale	Major Arterial	3	5,832	6,606	1.13	1.13		
	Westbound	Glendale	Major Arterial	3	5,832	5,574	0.96	0.96		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Glendale	NB Off-Ramp	1,701	5,400	0.32	0.52
	NB On-Ramp	2,660	5,400	0.49	
	SB Off-Ramp	3,173	5,400	0.59	
	SB On-Ramp	3,805	5,400	0.70	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Glendale	West of Interchange	Eastbound	Major Arterial	3	5,832	6,606	1.13	0.92
		Westbound	Major Arterial	3	5,832	4,487	0.77	
	Between Ramps	Eastbound	Major Arterial	3	5,832	5,336	0.91	
		Westbound	Major Arterial	3	5,832	4,184	0.72	
	East of Interchange	Eastbound	Major Arterial	3	5,832	6,102	1.05	
		Westbound	Major Arterial	3	5,832	5,574	0.96	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Glendale	Northbound	I-17 Frontage Road	Collector	1	1,857	889	0.48	1.19	0.97	1.09
		I-17	Freeway	4	29,136	35,855	1.23			
	Southbound	I-17 Frontage Road	Collector	1	1,857	269	0.15	0.99		
		I-17	Freeway	4	29,136	30,277	1.04			
	Eastbound	Glendale	Major Arterial	3	8,625	7,938	0.92	0.92		
	Westbound	Glendale	Major Arterial	3	8,625	11,209	1.30	1.30		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Glendale	NB Off-Ramp	3,814	7,200	0.53	0.60
	NB On-Ramp	5,215	7,200	0.72	
	SB Off-Ramp	4,270	7,200	0.59	
	SB On-Ramp	4,075	7,200	0.57	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Glendale	West of Interchange	Eastbound	Major Arterial	3	8,625	7,938	0.92	1.01
		Westbound	Major Arterial	3	8,625	9,841	1.14	
	Between Ramps	Eastbound	Major Arterial	3	8,625	8,077	0.94	
		Westbound	Major Arterial	3	8,625	6,959	0.81	
	East of Interchange	Eastbound	Major Arterial	3	8,625	8,101	0.94	
		Westbound	Major Arterial	3	8,625	11,209	1.30	

Bethany Home Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Bethany Home	Northbound	I-17 Frontage Road	Collector	1	1,133	255	0.23	0.79	0.78	1.00
		I-17	Freeway	4	19,936	16,340	0.82			
	Southbound	I-17 Frontage Road	Collector	1	1,256	582	0.46	1.27		
		I-17	Freeway	4	20,976	27,647	1.32			
	Eastbound	Bethany Home	Major Arterial	3	5,832	6,054	1.04	1.04		
	Westbound	Bethany Home	Major Arterial	3	5,292	3,686	0.70	0.70		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Bethany Home	NB Off-Ramp	2,011	5,400	0.37	0.52
	NB On-Ramp	3,068	5,400	0.57	
	SB Off-Ramp	3,831	5,400	0.71	
	SB On-Ramp	2,222	5,400	0.41	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Bethany Home	West of Interchange	Eastbound	Major Arterial	3	5,832	6,054	1.04	0.78
		Westbound	Major Arterial	3	5,832	5,047	0.87	
	Between Ramps	Eastbound	Major Arterial	3	5,832	4,620	0.79	
		Westbound	Major Arterial	3	5,832	2,576	0.44	
	East of Interchange	Eastbound	Major Arterial	3	5,832	5,243	0.90	
		Westbound	Major Arterial	3	5,832	3,686	0.63	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Bethany Home	Northbound	I-17 Frontage Road	Collector	1	1,672	818	0.49	1.21	0.87	1.07
		I-17	Freeway	4	27,424	34,419	1.26			
	Southbound	I-17 Frontage Road	Collector	1	1,857	1	0.00	0.96		
		I-17	Freeway	4	29,136	29,865	1.03			
	Eastbound	Bethany Home	Major Arterial	3	8,625	7,350	0.85	0.85		
	Westbound	Bethany Home	Major Arterial	3	7,809	9,156	1.17	1.17		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Bethany Home	NB Off-Ramp	3,855	7,200	0.54	0.56
	NB On-Ramp	5,081	7,200	0.71	
	SB Off-Ramp	4,154	7,200	0.58	
	SB On-Ramp	2,938	7,200	0.41	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Bethany Home	West of Interchange	Eastbound	Major Arterial	3	8,625	7,350	0.85	0.90
		Westbound	Major Arterial	3	8,625	9,977	1.16	
	Between Ramps	Eastbound	Major Arterial	3	8,625	5,968	0.69	
		Westbound	Major Arterial	3	8,625	7,810	0.91	
	East of Interchange	Eastbound	Major Arterial	3	8,625	6,519	0.76	
		Westbound	Major Arterial	3	8,625	9,156	1.06	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Camelback Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Camelback	Northbound	I-17 Frontage Road	Collector	1	1,133	304	0.27	0.79	0.91	1.04
		I-17	Freeway	4	19,936	16,427	0.82			
	Southbound	I-17 Frontage Road	Collector	1	1,133	699	0.62	1.29		
		I-17	Freeway	4	19,936	26,479	1.33			
	Eastbound	Camelback	Major Arterial	3	5,292	6,346	1.20	1.20		
	Westbound	Camelback	Major Arterial	3	5,292	4,328	0.82	0.82		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Camelback	NB Off-Ramp	2,454	6,480	0.38	0.40
	NB On-Ramp	2,182	6,480	0.34	
	SB Off-Ramp	2,977	6,480	0.46	
	SB On-Ramp	2,831	6,480	0.44	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Camelback	West of Interchange	Eastbound	Major Arterial	3	5,832	6,346	1.09	0.91
		Westbound	Major Arterial	3	5,832	3,085	0.53	
	Between Ramps	Eastbound	Major Arterial	3	5,832	3,396	0.58	
		Westbound	Major Arterial	3	5,832	6,557	1.12	
	East of Interchange	Eastbound	Major Arterial	3	5,832	8,007	1.37	
		Westbound	Major Arterial	3	5,832	4,328	0.74	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Camelback	Northbound	I-17 Frontage Road	Collector	1	1,672	722	0.43	1.23	0.93	1.10
		I-17	Freeway	4	27,424	35,060	1.28			
	Southbound	I-17 Frontage Road	Collector	1	1,672	527	0.31	1.01		
		I-17	Freeway	4	27,424	28,855	1.05			
	Eastbound	Camelback	Major Arterial	3	7,809	6,207	0.79	0.79		
	Westbound	Camelback	Major Arterial	3	7,809	10,090	1.29	1.29		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Camelback	NB Off-Ramp	4,024	8,640	0.47	0.47
	NB On-Ramp	3,036	8,640	0.35	
	SB Off-Ramp	4,659	8,640	0.54	
	SB On-Ramp	4,513	8,640	0.52	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Camelback	West of Interchange	Eastbound	Major Arterial	3	8,625	6,207	0.72	0.93
		Westbound	Major Arterial	3	8,625	9,151	1.06	
	Between Ramps	Eastbound	Major Arterial	3	8,625	8,080	0.94	
		Westbound	Major Arterial	3	8,625	6,570	0.76	
	East of Interchange	Eastbound	Major Arterial	3	8,625	8,280	0.96	
		Westbound	Major Arterial	3	8,625	10,090	1.17	

Indian School Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Indian School	Northbound	I-17 Frontage Road	Collector	1	1,133	226	0.20	0.78	0.80	1.00
		I-17	Freeway	4	19,936	16,262	0.82			
	Southbound	I-17 Frontage Road	Collector	1	1,133	771	0.68	1.30		
		I-17	Freeway	4	19,936	26,667	1.34			
	Eastbound	Indian School	Major Arterial	4	7,056	7,773	1.10	1.10		
	Westbound	Indian School	Major Arterial	4	7,056	4,312	0.61	0.61		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Indian School	NB Off-Ramp	2,492	5,400	0.46	0.59
	NB On-Ramp	2,728	5,400	0.51	
	SB Off-Ramp	4,178	5,400	0.77	
	SB On-Ramp	3,390	5,400	0.63	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Indian School	West of Interchange	Eastbound	Major Arterial	4	7,776	7,773	1.00	0.81
		Westbound	Major Arterial	4	7,776	4,840	0.62	
	Between Ramps	Eastbound	Major Arterial	4	7,776	8,353	1.07	
		Westbound	Major Arterial	4	7,776	4,633	0.60	
	East of Interchange	Eastbound	Major Arterial	4	7,776	7,797	1.00	
		Westbound	Major Arterial	4	7,776	4,312	0.55	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Indian School	Northbound	I-17 Frontage Road	Collector	1	1,672	994	0.59	1.22	0.88	1.06
		I-17	Freeway	4	27,424	34,451	1.26			
	Southbound	I-17 Frontage Road	Collector	1	1,672	651	0.39	1.00		
		I-17	Freeway	4	27,424	28,351	1.03			
	Eastbound	Indian School	Major Arterial	4	10,412	7,883	0.76	0.76		
	Westbound	Indian School	Major Arterial	4	10,412	11,793	1.13	1.13		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Indian School	NB Off-Ramp	4,431	7,200	0.62	0.67
	NB On-Ramp	5,171	7,200	0.72	
	SB Off-Ramp	5,005	7,200	0.70	
	SB On-Ramp	4,589	7,200	0.64	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Indian School	West of Interchange	Eastbound	Major Arterial	4	11,500	7,883	0.69	0.86
		Westbound	Major Arterial	4	11,500	11,485	1.00	
	Between Ramps	Eastbound	Major Arterial	4	11,500	8,543	0.74	
		Westbound	Major Arterial	4	11,500	11,730	1.02	
	East of Interchange	Eastbound	Major Arterial	4	11,500	7,867	0.68	
		Westbound	Major Arterial	4	11,500	11,793	1.03	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Thomas Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Thomas	Northbound	I-17 Frontage Road	Collector	1	1,133	68	0.06	0.59	0.73	0.78
		I-17	Freeway	5	26,792	16,290	0.61			
	Southbound	I-17 Frontage Road	Collector	1	1,133	614	0.54	0.97		
		I-17	Freeway	5	26,792	26,419	0.99			
	Eastbound	Thomas	Major Arterial	3	5,292	6,285	1.19	1.19		
	Westbound	Thomas	Major Arterial	3	5,292	2,385	0.45	0.45		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Thomas	NB Off-Ramp	2,155	4,320	0.50	0.66
	NB On-Ramp	2,609	4,320	0.60	
	SB Off-Ramp	4,065	4,320	0.94	
	SB On-Ramp	2,653	4,320	0.61	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Thomas	West of Interchange	Eastbound	Major Arterial	3	5,832	6,285	1.08	0.79
		Westbound	Major Arterial	3	5,832	4,128	0.71	
	Between Ramps	Eastbound	Major Arterial	3	5,832	6,480	1.11	
		Westbound	Major Arterial	3	5,832	2,911	0.50	
	East of Interchange	Eastbound	Major Arterial	3	5,832	5,501	0.94	
		Westbound	Major Arterial	3	5,832	2,385	0.41	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Thomas	Northbound	I-17 Frontage Road	Collector	1	1,672	604	0.36	0.96	0.86	0.90
		I-17	Freeway	5	34,280	33,797	0.99			
	Southbound	I-17 Frontage Road	Collector	1	1,672	409	0.24	0.80		
		I-17	Freeway	5	34,280	28,221	0.82			
	Eastbound	Thomas	Major Arterial	3	7,809	6,717	0.86	0.86		
	Westbound	Thomas	Major Arterial	3	7,809	8,648	1.11	1.11		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Thomas	NB Off-Ramp	3,740	5,760	0.65	0.68
	NB On-Ramp	4,898	5,760	0.85	
	SB Off-Ramp	4,012	5,760	0.70	
	SB On-Ramp	3,098	5,760	0.54	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Thomas	West of Interchange	Eastbound	Major Arterial	3	8,625	6,717	0.78	0.89
		Westbound	Major Arterial	3	8,625	10,345	1.20	
	Between Ramps	Eastbound	Major Arterial	3	8,625	6,363	0.74	
		Westbound	Major Arterial	3	8,625	9,076	1.05	
	East of Interchange	Eastbound	Major Arterial	3	8,625	4,777	0.55	
		Westbound	Major Arterial	3	8,625	8,648	1.00	

McDowell Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & McDowell	Northbound	I-17	Freeway	4	21,808	7,632	0.35	0.32	0.44	0.67
		I-17 Frontage Road	Collector	2	2,266	0	0.00			
	Southbound	I-17	Freeway	5	26,792	27,855	1.04	0.96		
		I-17 Frontage Road	Collector	2	2,266	47	0.02			
	Eastbound	McDowell	Major Arterial	2	3,528	4,253	1.21	1.21		
	Westbound	McDowell	Major Arterial	3	5,292	1,637	0.31	0.31		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & McDowell	NB Off-Ramp	709	3,240	0.22	0.65
	NB On-Ramp	4,653	3,240	1.44	
	SB Off-Ramp	1,535	3,240	0.47	
	SB On-Ramp	1,553	3,240	0.48	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & McDowell	West of Interchange	Eastbound	Major Arterial	2	3,888	4,253	1.09	0.61
		Westbound	Major Arterial	3	5,832	1,987	0.34	
	Between Ramps	Eastbound	Major Arterial	2	3,888	4,086	1.05	
		Westbound	Major Arterial	3	5,832	1,838	0.32	
	East of Interchange	Eastbound	Major Arterial	2	3,888	4,111	1.06	
		Westbound	Major Arterial	3	5,832	1,637	0.28	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & McDowell	Northbound	I-17	Freeway	4	27,424	15,132	0.55	0.52	0.57	0.70
		I-17 Frontage Road	Collector	2	3,344	895	0.27			
	Southbound	I-17	Freeway	5	34,280	30,758	0.90	0.82		
		I-17 Frontage Road	Collector	2	3,344	0	0.00			
	Eastbound	McDowell	Major Arterial	2	5,206	3,216	0.62	0.62		
	Westbound	McDowell	Major Arterial	3	7,809	7,028	0.90	0.90		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & McDowell	NB Off-Ramp	1,677	4,320	0.39	0.43
	NB On-Ramp	2,218	4,320	0.51	
	SB Off-Ramp	2,239	4,320	0.52	
	SB On-Ramp	1,343	4,320	0.31	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & McDowell	West of Interchange	Eastbound	Major Arterial	2	5,750	3,216	0.56	0.70
		Westbound	Major Arterial	3	8,625	7,914	0.92	
	Between Ramps	Eastbound	Major Arterial	2	5,750	2,805	0.49	
		Westbound	Major Arterial	3	8,625	6,608	0.77	
	East of Interchange	Eastbound	Major Arterial	2	5,750	2,685	0.47	
		Westbound	Major Arterial	3	8,625	7,028	0.81	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Adams/Jefferson Street

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Adams/Jefferson	Northbound	I-17 Frontage Road	Collector	2	2,266	114	0.05	0.70	0.27	0.66
		I-17	Freeway	3	14,952	11,909	0.80			
	Southbound	I-17 Frontage Road	Collector	3	5,016	973	0.19	0.82		
		I-17	Freeway	4	21,808	21,051	0.97			
	Eastbound	Jefferson St	Major Arterial	4	8,734	3,751	0.43	0.43		
	Westbound	Washington St	Major Arterial	4	7,056	1,426	0.20	0.20		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Adams/Jefferson	NB Off-Ramp	1,891	3,240	0.58	0.81
	NB On-Ramp	2,487	3,240	0.77	
	SB Off-Ramp	4,770	3,240	1.47	
	SB On-Ramp	1,329	3,240	0.41	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Adams/Jefferson	West of Interchange	Eastbound	Major Arterial	4	7,776	3,751	0.48	0.43
		Westbound	Major Arterial	4	7,776	1,048	0.13	
	Between Ramps	Eastbound	Major Arterial	4	7,776	7,192	0.92	
		Westbound	Major Arterial	4	7,776	831	0.11	
	East of Interchange	Eastbound	Major Arterial	4	7,776	5,978	0.77	
		Westbound	Major Arterial	4	7,776	1,426	0.18	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Adams/Jefferson	Northbound	I-17 Frontage Road	Collector	2	3,344	485	0.15	1.01	0.44	0.76
		I-17	Freeway	3	20,568	23,586	1.15			
	Southbound	I-17 Frontage Road	Collector	3	5,016	1,016	0.20	0.72		
		I-17	Freeway	4	27,424	22,448	0.82			
	Eastbound	Jefferson St	Major Arterial	4	10,412	2,581	0.25	0.25		
	Westbound	Washington St	Major Arterial	4	10,412	8,703	0.84	0.84		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Adams/Jefferson	NB Off-Ramp	3,514	4,320	0.81	0.89
	NB On-Ramp	6,077	4,320	1.41	
	SB Off-Ramp	3,944	4,320	0.91	
	SB On-Ramp	1,866	4,320	0.43	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Adams/Jefferson	West of Interchange	Eastbound	Major Arterial	4	11,500	2,581	0.22	0.43
		Westbound	Major Arterial	4	11,500	4,964	0.43	
	Between Ramps	Eastbound	Major Arterial	4	11,500	4,659	0.41	
		Westbound	Major Arterial	4	11,500	5,186	0.45	
	East of Interchange	Eastbound	Major Arterial	4	11,500	3,430	0.30	
		Westbound	Major Arterial	4	11,500	8,703	0.76	

Grant Street

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Grant	Northbound	I-17 Frontage Road	Collector	2	2,266	1,962	0.87	0.67	0.56	0.83
		I-17	Freeway	3	14,952	9,506	0.64			
	Southbound	I-17 Frontage Road	Collector	2	2,266	1,329	0.59	1.07		
		I-17	Freeway	3	14,952	17,036	1.14			
	Eastbound	-	-	-	-	-	-	-		
	Westbound	Grant	Collector	2	2,266	526	0.23	0.23		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Grant	NB Off-Ramp	2,170	3,240	0.67	0.77
	NB On-Ramp	2,578	3,240	0.80	
	SB Off-Ramp	3,302	3,240	1.02	
	SB On-Ramp	1,916	3,240	0.59	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Grant	West of Interchange	Eastbound	Major Arterial	3	5,832	0	0.00	0.10
		Westbound	Major Arterial	3	5,832	0	0.00	
	Between Ramps	Eastbound	Major Arterial	3	5,832	1,413	0.24	
		Westbound	Major Arterial	3	5,832	26	0.00	
	East of Interchange	Eastbound	Major Arterial	3	5,832	1,505	0.26	
		Westbound	Major Arterial	3	5,832	526	0.09	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Grant	Northbound	I-17 Frontage Road	Collector	2	3,344	2,154	0.64	0.91	0.58	0.88
		I-17	Freeway	3	20,568	19,652	0.96			
	Southbound	I-17 Frontage Road	Collector	2	3,344	1,866	0.56	0.90		
		I-17	Freeway	3	20,568	19,741	0.96			
	Eastbound	-	-	-	-	-	-	-		
	Westbound	Grant	Collector	2	3,344	1,809	0.54	0.54		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Grant	NB Off-Ramp	2,518	4,320	0.58	0.82
	NB On-Ramp	4,013	4,320	0.93	
	SB Off-Ramp	4,130	4,320	0.96	
	SB On-Ramp	3,551	4,320	0.82	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Grant	West of Interchange	Eastbound	Major Arterial	3	8,625	0	0.00	0.07
		Westbound	Major Arterial	3	8,625	0	0.00	
	Between Ramps	Eastbound	Major Arterial	3	8,625	835	0.10	
		Westbound	Major Arterial	3	8,625	256	0.03	
	East of Interchange	Eastbound	Major Arterial	3	8,625	893	0.10	
		Westbound	Major Arterial	3	8,625	1,809	0.21	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Buckeye Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Buckeye	Northbound	I-17 Frontage Road	Collector	2	2,266	597	0.26	0.67	0.63	0.69
		I-17	Freeway	3	14,952	11,016	0.74			
	Southbound	-	-	-	-	-	-	-		
		-	-	-	-	-	-	-		
	Eastbound	Buckeye	Major Arterial	2	3,528	4,592	1.30	1.30		
Westbound	Buckeye	Major Arterial	2	3,528	654	0.19	0.19			

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Buckeye	NB Off-Ramp	2,107	3,240	0.65	0.42
	NB On-Ramp	1,962	3,240	0.61	
	SB Off-Ramp	852	3,240	0.26	
	SB On-Ramp	533	3,240	0.16	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Buckeye	West of Interchange	Eastbound	Major Arterial	2	3,888	4,592	1.18	0.74
		Westbound	Major Arterial	2	3,888	2,692	0.69	
	Between Ramps	Eastbound	Major Arterial	2	3,888	4,288	1.10	
		Westbound	Major Arterial	2	3,888	2,070	0.53	
	East of Interchange	Eastbound	Major Arterial	2	3,888	3,017	0.78	
		Westbound	Major Arterial	2	3,888	654	0.17	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & Buckeye	Northbound	I-17 Frontage Road	Collector	2	3,344	783	0.23	0.96	0.52	0.85
		I-17	Freeway	3	20,568	22,114	1.08			
	Southbound	-	-	-	-	-	-	-		
		-	-	-	-	-	-	-		
	Eastbound	Buckeye	Major Arterial	2	5,206	3,084	0.59	0.59		
Westbound	Buckeye	Major Arterial	2	5,206	3,329	0.64	0.64			

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & Buckeye	NB Off-Ramp	3,246	4,320	0.75	0.45
	NB On-Ramp	2,154	4,320	0.50	
	SB Off-Ramp	2,216	4,320	0.51	
	SB On-Ramp	134	4,320	0.03	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & Buckeye	West of Interchange	Eastbound	Major Arterial	2	5,750	3,084	0.54	0.71
		Westbound	Major Arterial	2	5,750	7,492	1.30	
	Between Ramps	Eastbound	Major Arterial	2	5,750	3,092	0.54	
		Westbound	Major Arterial	2	5,750	5,418	0.94	
	East of Interchange	Eastbound	Major Arterial	2	5,750	2,096	0.36	
		Westbound	Major Arterial	2	5,750	3,329	0.58	

19th Avenue

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & 19th Avenue	Northbound	19th Ave	Major Arterial	2	3,528	5,282	1.50	1.50	0.60	0.74
	Southbound	19th Ave	Major Arterial	2	3,528	904	0.26	0.26		
	Eastbound	I-17 Frontage Road	Collector	2	2,266	533	0.24	0.96		
		I-17	Freeway	3	14,952	15,949	1.07			
	Westbound	I-17	Freeway	4	21,808	13,010	0.60	0.60		
	I-17 Frontage Road	Collector	2	2,266	180	0.08				

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & 19th Avenue	WB Off-Ramp	2,174	3,240	0.67	0.60
	WB On-Ramp	597	3,240	0.18	
	EB Off-Ramp	1,302	3,240	0.40	
	EB On-Ramp	3,675	3,240	1.13	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & 19th Avenue	North of Interchange	Northbound	Major Arterial	2	3,888	2,517	0.65	0.72
		Southbound	Major Arterial	2	3,888	904	0.23	
	Between Ramps	Northbound	Major Arterial	2	3,888	2,607	0.67	
		Southbound	Major Arterial	2	3,888	2,571	0.66	
	South of Interchange	Northbound	Major Arterial	2	3,888	5,282	1.36	
		Southbound	Major Arterial	2	3,888	2,874	0.74	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & 19th Avenue	Northbound	19th Ave	Major Arterial	2	5,206	5,130	0.99	0.99	0.53	0.81
	Southbound	19th Ave	Major Arterial	2	5,206	2,912	0.56	0.56		
	Eastbound	I-17 Frontage Road	Collector	2	3,344	134	0.04	0.77		
		I-17	Freeway	3	20,568	18,200	0.88			
	Westbound	I-17	Freeway	4	27,424	25,781	0.94	0.94		
	I-17 Frontage Road	Collector	2	3,344	828	0.25				

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & 19th Avenue	WB Off-Ramp	4,494	4,320	1.04	0.68
	WB On-Ramp	783	4,320	0.18	
	EB Off-Ramp	1,990	4,320	0.46	
	EB On-Ramp	4,404	4,320	1.02	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & 19th Avenue	North of Interchange	Northbound	Major Arterial	2	5,750	2,114	0.37	0.75
		Southbound	Major Arterial	2	5,750	2,912	0.51	
	Between Ramps	Northbound	Major Arterial	2	5,750	2,070	0.36	
		Southbound	Major Arterial	2	5,750	6,580	1.14	
	South of Interchange	Northbound	Major Arterial	2	5,750	5,130	0.89	
		Southbound	Major Arterial	2	5,750	7,224	1.26	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

7th Avenue

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & 7th Avenue	Northbound	7th Ave	Major Arterial	2	3,528	3,741	1.06	1.06	0.55	0.70
	Southbound	7th Ave	Major Arterial	2	3,528	1,188	0.34	0.34		
	Eastbound	I-17 Frontage Road	Collector	2	2,266	822	0.36	0.80		
		I-17	Freeway	4	21,808	18,466	0.85	0.27		
	Westbound	I-17 Frontage Road	Collector	2	2,266	610	0.27	0.27		
		I-17	Freeway	4	21,808	13,725	0.63	0.27		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & 7th Avenue	WB Off-Ramp	2,484	3,240	0.77	0.82
	WB On-Ramp	1,603	3,240	0.49	
	EB Off-Ramp	2,793	3,240	0.86	
	EB On-Ramp	3,790	3,240	1.17	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & 7th Avenue	North of Interchange	Northbound	Major Arterial	2	3,888	2,682	0.69	0.57
		Southbound	Major Arterial	2	3,888	1,188	0.31	
	Between Ramps	Northbound	Major Arterial	2	3,888	2,475	0.64	
		Southbound	Major Arterial	2	3,888	1,861	0.48	
	South of Interchange	Northbound	Major Arterial	2	3,888	3,741	0.96	
		Southbound	Major Arterial	2	3,888	1,414	0.36	

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & 7th Avenue	Northbound	7th Ave	Major Arterial	2	5,206	4,094	0.79	0.79	0.60	0.79
	Southbound	7th Ave	Major Arterial	2	5,206	3,948	0.76	0.76		
	Eastbound	I-17 Frontage Road	Collector	2	3,344	535	0.16	0.68		
		I-17	Freeway	4	27,424	20,459	0.75	0.49		
	Westbound	I-17 Frontage Road	Collector	2	3,344	1,632	0.49	0.49		
		I-17	Freeway	4	27,424	26,339	0.96	0.96		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & 7th Avenue	WB Off-Ramp	5,522	4,320	1.28	0.94
	WB On-Ramp	4,051	4,320	0.94	
	EB Off-Ramp	2,651	4,320	0.61	
	EB On-Ramp	4,097	4,320	0.95	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & 7th Avenue	North of Interchange	Northbound	Major Arterial	2	5,750	2,861	0.50	0.68
		Southbound	Major Arterial	2	5,750	3,948	0.69	
	Between Ramps	Northbound	Major Arterial	2	5,750	2,996	0.52	
		Southbound	Major Arterial	2	5,750	5,554	0.97	
	South of Interchange	Northbound	Major Arterial	2	5,750	4,094	0.71	
		Southbound	Major Arterial	2	5,750	3,867	0.67	

7th Street

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & 7th Street	Northbound	7th Street	Major Arterial	2	2,689	3,433	1.28	1.28	0.50	0.73
	Southbound	7th Street	Major Arterial	3	5,292	1,287	0.24	0.24		
	Eastbound	I-17 Frontage Road	Collector	2	2,266	1,231	0.54	0.84		
		I-17	Freeway	4	21,808	18,892	0.87	0.12		
	Westbound	I-17 Frontage Road	Collector	2	2,266	281	0.12	0.12		
		I-17	Freeway	4	21,808	15,657	0.72	0.72		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & 7th Street	WB Off-Ramp	3,443	3,240	1.06	0.78
	WB On-Ramp	1,834	3,240	0.57	
	EB Off-Ramp	1,666	3,240	0.51	
	EB On-Ramp	3,179	3,240	0.98	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & 7th Street	North of Interchange	Northbound	Major Arterial	2	3,888	3,672	0.94	0.57
		Southbound	Major Arterial	3	5,832	1,287	0.22	
	Between Ramps	Northbound	Major Arterial	2	3,888	3,323	0.85	
		Southbound	Major Arterial	3	5,832	2,547	0.44	
	South of Interchange	Northbound	Major Arterial	2	3,888	3,433	0.88	
		Southbound	Major Arterial	3	5,832	2,252	0.39	

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & 7th Street	Northbound	7th Street	Major Arterial	2	5,206	4,304	0.83	0.83	0.62	0.82
	Southbound	7th Street	Major Arterial	3	7,809	4,723	0.60	0.60		
	Eastbound	I-17 Frontage Road	Collector	2	3,344	1,432	0.43	0.75		
		I-17	Freeway	4	27,424	21,593	0.79	0.52		
	Westbound	I-17 Frontage Road	Collector	2	3,344	1,730	0.52	0.52		
		I-17	Freeway	4	27,424	27,385	1.00	1.00		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & 7th Street	WB Off-Ramp	5,165	4,320	1.20	1.00
	WB On-Ramp	4,138	4,320	0.96	
	EB Off-Ramp	3,121	4,320	0.72	
	EB On-Ramp	4,870	4,320	1.13	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & 7th Street	North of Interchange	Northbound	Major Arterial	2	5,750	3,523	0.61	0.62
		Southbound	Major Arterial	3	8,625	4,723	0.55	
	Between Ramps	Northbound	Major Arterial	2	5,750	3,666	0.64	
		Southbound	Major Arterial	3	8,625	5,893	0.68	
	South of Interchange	Northbound	Major Arterial	2	5,750	4,304	0.75	
		Southbound	Major Arterial	3	8,625	4,781	0.55	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

16th Street

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & 16th Street	Northbound	16th Street	Major Arterial	2	3,528	3,296	0.93	0.93	0.56	0.79
	Southbound	16th Street	Major Arterial	2	3,528	1,449	0.41	0.41		
	Eastbound	I-17 Frontage Road	Collector	2	2,266	481	0.21	0.82		
	Eastbound	I-17	Freeway	4	21,808	19,373	0.89	-		
	Westbound	-	-	-	-	-	-	-		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & 16th Street	WB Off-Ramp	0	0	-	0.61
	WB On-Ramp	1,275	3,240	0.39	
	EB Off-Ramp	2,667	3,240	0.82	
	EB On-Ramp	0	0	-	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & 16th Street	North of Interchange	Northbound	Major Arterial	2	3,888	2,888	0.74	0.70
		Southbound	Major Arterial	2	3,888	1,449	0.37	
	Between Ramps	Northbound	Major Arterial	2	3,888	4,037	1.04	
		Southbound	Major Arterial	2	3,888	1,323	0.34	
	South of Interchange	Northbound	Major Arterial	2	3,888	3,296	0.85	
		Southbound	Major Arterial	2	3,888	3,249	0.84	

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-17 & 16th Street	Northbound	16th Street	Major Arterial	2	5,206	4,676	0.90	0.90	0.72	0.82
	Southbound	16th Street	Major Arterial	2	5,206	4,358	0.84	0.84		
	Eastbound	I-17 Frontage Road	Collector	2	3,344	898	0.27	0.80		
	Eastbound	I-17	Freeway	4	27,424	23,736	0.87	-		
	Westbound	-	-	-	-	-	-	-		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-17 & 16th Street	WB Off-Ramp	0	0	-	0.83
	WB On-Ramp	3,613	4,320	0.84	
	EB Off-Ramp	3,544	4,320	0.82	
	EB On-Ramp	0	0	-	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-17 & 16th Street	North of Interchange	Northbound	Major Arterial	2	5,750	2,810	0.49	0.79
		Southbound	Major Arterial	2	5,750	4,358	0.76	
	Between Ramps	Northbound	Major Arterial	2	5,750	5,694	0.99	
		Southbound	Major Arterial	2	5,750	3,630	0.63	
	South of Interchange	Northbound	Major Arterial	2	5,750	4,676	0.81	
		Southbound	Major Arterial	2	5,750	6,156	1.07	

24th Street

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & 24th Street	Northbound	24th Street	Major Arterial	2	2,512	447	0.18	0.71	0.71	0.70
	Southbound	24th Street	Major Arterial	2	20,976	16,256	0.77	0.71		
	Eastbound	-	-	-	-	-	-	-		
	Eastbound	-	-	-	-	-	-	-		
	Westbound	I-10	Freeway	6	5,832	3,696	0.63	0.63		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & 24th Street	WB Off-Ramp	1,636	3,240	0.50	0.41
	WB On-Ramp	0	0	-	
	EB Off-Ramp	0	0	-	
	EB On-Ramp	1,010	3,240	0.31	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & 24th Street	North of Interchange	Northbound	Major Arterial	2	3,888	2,735	0.70	0.61
		Southbound	Major Arterial	2	3,888	1,800	0.46	
	Between Ramps	Northbound	Major Arterial	2	3,888	1,987	0.51	
		Southbound	Major Arterial	2	3,888	2,688	0.69	
	South of Interchange	Northbound	Major Arterial	2	3,888	2,609	0.67	
		Southbound	Major Arterial	2	3,888	2,300	0.59	

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & 24th Street	Northbound	24th Street	Major Arterial	2	5,206	4,019	0.77	0.79	0.79	0.96
	Southbound	24th Street	Major Arterial	2	5,206	4,255	0.82	0.79		
	Eastbound	-	-	-	-	-	-	-		
	Eastbound	-	-	-	-	-	-	-		
	Westbound	I-10	Freeway	6	41,136	41,061	1.00	1.00		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & 24th Street	WB Off-Ramp	2,089	4,320	0.48	0.56
	WB On-Ramp	0	0	-	
	EB Off-Ramp	0	0	-	
	EB On-Ramp	2,751	4,320	0.64	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & 24th Street	North of Interchange	Northbound	Major Arterial	2	5,750	3,788	0.66	0.70
		Southbound	Major Arterial	2	5,750	4,255	0.74	
	Between Ramps	Northbound	Major Arterial	2	5,750	2,838	0.49	
		Southbound	Major Arterial	2	5,750	5,394	0.94	
	South of Interchange	Northbound	Major Arterial	2	5,750	4,019	0.70	
		Southbound	Major Arterial	2	5,750	3,825	0.67	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

University Drive

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & University	Northbound	University	Major Arterial	2	3,888	5,908	1.52	1.52	0.95	1.00
	Southbound	University	Major Arterial	2	3,888	1,477	0.38	0.38		
	Eastbound	I-10	Freeway	5	24,180	25,894	1.07	1.07		
	Westbound	I-10	Freeway	5	26,220	25,018	0.95	0.95		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & University	WB Off-Ramp	2,338	3,240	0.72	0.89
	WB On-Ramp	2,537	3,240	0.78	
	EB Off-Ramp	4,917	3,240	1.52	
	EB On-Ramp	1,739	3,240	0.54	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & University	North of Interchange	Northbound	Major Arterial	2	3,888	5,135	1.32	1.13
		Southbound	Major Arterial	2	3,888	1,477	0.38	
	Between Ramps	Northbound	Major Arterial	2	3,888	6,291	1.62	
		Southbound	Major Arterial	2	3,888	2,434	0.63	
	South of Interchange	Northbound	Major Arterial	2	3,888	5,908	1.52	
		Southbound	Major Arterial	2	3,888	5,228	1.34	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & University	Northbound	University	Major Arterial	2	5,750	7,741	1.35	1.35	1.31	1.05
	Southbound	University	Major Arterial	2	5,750	7,371	1.28	1.28		
	Eastbound	I-10	Freeway	5	36,420	35,576	0.98	0.98		
	Westbound	I-10	Freeway	5	36,420	37,448	1.03	1.03		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & University	WB Off-Ramp	2,951	4,320	0.68	1.02
	WB On-Ramp	7,145	4,320	1.65	
	EB Off-Ramp	4,561	4,320	1.06	
	EB On-Ramp	2,996	4,320	0.69	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & University	North of Interchange	Northbound	Major Arterial	2	5,750	3,750	0.65	1.23
		Southbound	Major Arterial	2	5,750	7,371	1.28	
	Between Ramps	Northbound	Major Arterial	2	5,750	7,648	1.33	
		Southbound	Major Arterial	2	5,750	7,075	1.23	
	South of Interchange	Northbound	Major Arterial	2	5,750	7,741	1.35	
		Southbound	Major Arterial	2	5,750	8,733	1.52	

40th Street

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & 40th Street	Northbound	40th Street	Major Arterial	4	7,776	4,676	0.60	0.60	0.43	0.81
	Southbound	40th Street	Major Arterial	3	6,131	1,266	0.21	0.21		
	Eastbound	I-10	Freeway	5	28,260	22,523	0.80	0.80		
	Westbound	I-10	Freeway	5	26,792	27,174	1.01	1.01		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & 40th Street	WB Off-Ramp	4,548	3,240	1.40	0.91
	WB On-Ramp	2,117	3,240	0.65	
	EB Off-Ramp	2,966	3,240	0.92	
	EB On-Ramp	2,149	3,240	0.66	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & 40th Street	North of Interchange	Northbound	Major Arterial	4	7,776	4,378	0.56	0.56
		Southbound	Major Arterial	3	5,832	1,266	0.22	
	Between Ramps	Northbound	Major Arterial	4	7,776	4,235	0.54	
		Southbound	Major Arterial	3	5,832	3,554	0.61	
	South of Interchange	Northbound	Major Arterial	4	7,776	4,676	0.60	
		Southbound	Major Arterial	3	5,832	4,812	0.83	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & 40th Street	Northbound	40th Street	Major Arterial	4	11,500	7,930	0.69	0.69	0.69	0.92
	Southbound	40th Street	Major Arterial	3	7,809	5,403	0.69	0.69		
	Eastbound	I-10	Freeway	5	36,420	33,385	0.92	0.92		
	Westbound	I-10	Freeway	5	34,280	36,384	1.06	1.06		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & 40th Street	WB Off-Ramp	4,612	4,320	1.07	1.02
	WB On-Ramp	5,169	4,320	1.20	
	EB Off-Ramp	3,143	4,320	0.73	
	EB On-Ramp	4,707	4,320	1.09	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & 40th Street	North of Interchange	Northbound	Major Arterial	4	11,500	2,790	0.24	0.60
		Southbound	Major Arterial	3	8,625	5,403	0.63	
	Between Ramps	Northbound	Major Arterial	4	11,500	5,291	0.46	
		Southbound	Major Arterial	3	8,625	7,347	0.85	
	South of Interchange	Northbound	Major Arterial	4	11,500	7,930	0.69	
		Southbound	Major Arterial	3	8,625	7,652	0.89	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

48th Street

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & 48th Street	Northbound	48th Street	Major Arterial	3	5,292	3,440	0.65	0.65	0.65	0.78
	Southbound	SR 143	Freeway	3	16,824	8,803	0.52	0.52		
	Eastbound	I-10	Freeway	4	19,936	22,185	1.11	1.11		
	-	-	-	-	-	-	-	-		
	Westbound	-	Unmetered Rar	2	6,210	5,652	0.91	0.91		
		I-10	Freeway	6	31,776	22,657	0.71	0.91		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & 48th Street	WB Off-Ramp	5,652	4,320	1.31	0.93
	WB On-Ramp	3,063	4,320	0.71	
	EB Off-Ramp	5,234	4,320	1.21	
	EB On-Ramp	2,063	4,320	0.48	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & 48th Street	North of Interchange	Northbound	Major Arterial	3	5,832	10,653	1.83	1.09
		Southbound	Major Arterial	3	5,832	8,803	1.51	
	Between Ramps	Northbound	Major Arterial	3	5,832	5,001	0.86	
		Southbound	Major Arterial	3	5,832	5,740	0.98	
	South of Interchange	Northbound	Major Arterial	3	5,832	3,440	0.59	
		Southbound	Major Arterial	3	5,832	4,397	0.75	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & 48th Street	Northbound	48th Street	Major Arterial	3	7,809	6,722	0.86	0.86	0.86	0.88
	Southbound	SR 143	Freeway	3	20,568	16,109	0.78	0.78		
	Eastbound	I-10	Freeway	4	27,424	35,980	1.31	1.31		
	-	-	-	-	-	-	-	-		
	Westbound	-	Unmetered Rar	2	8,542	7,721	0.90	0.90		
		I-10	Freeway	6	41,136	26,378	0.64	0.90		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & 48th Street	WB Off-Ramp	7,721	5,760	1.34	0.95
	WB On-Ramp	6,779	5,760	1.18	
	EB Off-Ramp	3,957	5,760	0.69	
	EB On-Ramp	3,538	5,760	0.61	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & 48th Street	North of Interchange	Northbound	Major Arterial	3	8,625	15,261	1.77	1.18
		Southbound	Major Arterial	3	8,625	16,109	1.87	
	Between Ramps	Northbound	Major Arterial	3	8,625	7,539	0.87	
		Southbound	Major Arterial	3	8,625	9,330	1.08	
	South of Interchange	Northbound	Major Arterial	3	8,625	6,722	0.78	
		Southbound	Major Arterial	3	8,625	6,140	0.71	

Broadway Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Broadway	Northbound	I-10	Freeway	6	29,904	22,657	0.76	0.86	1.10	0.88
		-	C/D Road	2	5,842	8,116	1.39	1.39		
	Southbound	-	-	-	-	-	-	-		
		-	-	-	-	-	-	-		
	Eastbound	Broadway	Major Arterial	3	5,832	3,696	0.63	0.63		
	Westbound	Broadway	Major Arterial	3	5,832	7,399	1.27	1.27		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Broadway	NB Off-Ramp	2,464	3,240	0.76	0.72
	NB On-Ramp	1,427	3,240	0.44	
	SB Off-Ramp	2,953	3,240	0.91	
	SB On-Ramp	2,453	3,240	0.76	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Broadway	West of Interchange	Eastbound	Major Arterial	3	5,832	6,234	1.07	0.69
		Westbound	Major Arterial	3	5,832	2,971	0.51	
	Between Ramps	Eastbound	Major Arterial	3	5,832	5,974	1.02	
		Westbound	Major Arterial	3	5,832	2,829	0.49	
	East of Interchange	Eastbound	Major Arterial	3	5,832	4,460	0.76	
		Westbound	Major Arterial	3	5,832	1,816	0.31	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Broadway	Northbound	I-10	Freeway	6	41,136	26,485	0.64	0.74	1.05	0.79
		-	C/D Road	2	8,038	9,979	1.24	1.24		
	Southbound	-	-	-	-	-	-	-		
		-	-	-	-	-	-	-		
	Eastbound	Broadway	Major Arterial	3	7,809	6,022	0.77	0.77		
	Westbound	Broadway	Major Arterial	3	7,809	8,772	1.12	1.12		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Broadway	NB Off-Ramp	2,258	4,320	0.52	0.88
	NB On-Ramp	3,853	4,320	0.89	
	SB Off-Ramp	2,792	4,320	0.65	
	SB On-Ramp	6,250	4,320	1.45	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Broadway	West of Interchange	Eastbound	Major Arterial	3	8,625	6,151	0.71	0.76
		Westbound	Major Arterial	3	8,625	8,771	1.02	
	Between Ramps	Eastbound	Major Arterial	3	8,625	6,014	0.70	
		Westbound	Major Arterial	3	8,625	7,822	0.91	
	East of Interchange	Eastbound	Major Arterial	3	8,625	6,022	0.70	
		Westbound	Major Arterial	3	8,625	4,371	0.51	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Baseline Road

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Baseline	Northbound	I-10	Freeway	5	28,260	23,287	0.82	0.82	0.93	0.78
	Southbound	I-10	Freeway	1	4,984	4,625	0.93	0.66		
		I-10	C/D Road	2	6,086	1,422	0.23			
	Eastbound	I-10	Freeway	3	13,692	10,391	0.76	1.19		
		Baseline	Major Arterial	3	5,832	6,934	1.19			
		Baseline	Major Arterial	3	5,832	3,875	0.66			

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Baseline	NB Off-Ramp	4,623	4,320	1.07	0.88
	NB On-Ramp	3,435	4,320	0.80	
	SB Off-Ramp	3,674	4,320	0.85	
	SB On-Ramp	3,523	4,320	0.82	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Baseline	West of Interchange	Eastbound	Major Arterial	3	5,832	6,934	1.19	0.98
		Westbound	Major Arterial	3	5,832	7,594	1.30	
	Between Ramps	Eastbound	Major Arterial	3	5,832	5,489	0.94	
		Westbound	Major Arterial	3	5,832	5,997	1.03	
	East of Interchange	Eastbound	Major Arterial	3	5,832	4,555	0.78	
		Westbound	Major Arterial	3	5,832	3,875	0.66	

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Baseline	Northbound	I-10	Freeway	5	36,420	28,102	0.77	0.77	1.09	0.86
	Southbound	I-10	Freeway	1	6,856	7,967	1.16	0.85		
		I-10	C/D Road	2	8,454	2,593	0.31			
	Eastbound	I-10	Freeway	3	21,852	20,906	0.96	1.34		
		Baseline	Major Arterial	3	8,625	11,521	1.34			
		Baseline	Major Arterial	3	8,625	7,204	0.84			

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Baseline	NB Off-Ramp	6,096	5,760	1.06	1.03
	NB On-Ramp	4,819	5,760	0.84	
	SB Off-Ramp	5,827	5,760	1.01	
	SB On-Ramp	7,052	5,760	1.22	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Baseline	West of Interchange	Eastbound	Major Arterial	3	8,625	11,521	1.34	1.09
		Westbound	Major Arterial	3	8,625	11,828	1.37	
	Between Ramps	Eastbound	Major Arterial	3	8,625	8,738	1.01	
		Westbound	Major Arterial	3	8,625	10,271	1.19	
	East of Interchange	Eastbound	Major Arterial	3	8,625	6,948	0.81	
		Westbound	Major Arterial	3	8,625	7,204	0.84	

Elliot Road

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Elliot	Northbound	I-10	Freeway	5	28,260	22,726	0.80	0.80	0.58	0.67
	Southbound	I-10	Freeway	5	28,260	16,010	0.57	0.57		
	Eastbound	Elliot	Major Arterial	3	5,832	3,668	0.63	0.63		
	Westbound	Elliot	Major Arterial	3	5,832	3,135	0.54	0.54		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Elliot	NB Off-Ramp	2,570	3,240	0.79	0.79
	NB On-Ramp	2,883	3,240	0.89	
	SB Off-Ramp	2,836	3,240	0.88	
	SB On-Ramp	2,011	3,240	0.62	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Elliot	West of Interchange	Eastbound	Major Arterial	3	5,832	3,668	0.63	0.61
		Westbound	Major Arterial	3	5,832	2,367	0.41	
	Between Ramps	Eastbound	Major Arterial	3	5,832	4,687	0.80	
		Westbound	Major Arterial	3	5,832	2,561	0.44	
	East of Interchange	Eastbound	Major Arterial	3	5,832	4,949	0.85	
		Westbound	Major Arterial	3	5,832	3,135	0.54	

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Elliot	Northbound	I-10	Freeway	5	36,420	25,998	0.71	0.71	0.73	0.78
	Southbound	I-10	Freeway	5	36,420	32,128	0.88	0.88		
	Eastbound	Elliot	Major Arterial	3	8,625	4,520	0.52	0.52		
	Westbound	Elliot	Major Arterial	3	8,625	8,030	0.93	0.93		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Elliot	NB Off-Ramp	3,230	4,320	0.75	0.95
	NB On-Ramp	4,830	4,320	1.12	
	SB Off-Ramp	4,444	4,320	1.03	
	SB On-Ramp	3,976	4,320	0.92	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Elliot	West of Interchange	Eastbound	Major Arterial	3	8,625	4,520	0.52	0.68
		Westbound	Major Arterial	3	8,625	5,963	0.69	
	Between Ramps	Eastbound	Major Arterial	3	8,625	5,217	0.60	
		Westbound	Major Arterial	3	8,625	6,192	0.72	
	East of Interchange	Eastbound	Major Arterial	3	8,625	5,455	0.63	
		Westbound	Major Arterial	3	8,625	8,030	0.93	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Warner Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Warner	Northbound	I-10	Freeway	5	28,260	22,286	0.79	0.79	0.61	0.66
	Southbound	I-10	Freeway	5	28,260	15,290	0.54	0.54		
	Eastbound	Warner	Major Arterial	2	3,888	2,915	0.75	0.75		
	Westbound	Warner	Major Arterial	2	3,888	1,846	0.47	0.47		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Warner	NB Off-Ramp	1,933	3,240	0.60	0.54
	NB On-Ramp	2,390	3,240	0.74	
	SB Off-Ramp	2,067	3,240	0.64	
	SB On-Ramp	642	3,240	0.20	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Warner	West of Interchange	Eastbound	Major Arterial	2	3,888	2,915	0.75	0.66
		Westbound	Major Arterial	2	3,888	1,783	0.46	
	Between Ramps	Eastbound	Major Arterial	2	3,888	3,715	0.96	
		Westbound	Major Arterial	2	3,888	1,157	0.30	
	East of Interchange	Eastbound	Major Arterial	2	3,888	3,947	1.02	
		Westbound	Major Arterial	2	3,888	1,846	0.47	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Warner	Northbound	I-10	Freeway	5	36,420	24,814	0.68	0.68	0.85	0.79
	Southbound	I-10	Freeway	5	36,420	31,726	0.87	0.87		
	Eastbound	Warner	Major Arterial	2	5,750	3,494	0.61	0.61		
	Westbound	Warner	Major Arterial	2	5,750	6,259	1.09	1.09		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Warner	NB Off-Ramp	1,878	4,320	0.43	0.67
	NB On-Ramp	3,199	4,320	0.74	
	SB Off-Ramp	3,624	4,320	0.84	
	SB On-Ramp	2,869	4,320	0.66	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Warner	West of Interchange	Eastbound	Major Arterial	2	5,750	3,494	0.61	0.83
		Westbound	Major Arterial	2	5,750	5,105	0.89	
	Between Ramps	Eastbound	Major Arterial	2	5,750	4,461	0.78	
		Westbound	Major Arterial	2	5,750	5,317	0.92	
	East of Interchange	Eastbound	Major Arterial	2	5,750	4,083	0.71	
		Westbound	Major Arterial	2	5,750	6,259	1.09	

Ray Road

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Ray	Northbound	I-10	Freeway	6	35,544	21,336	0.60	0.60	0.76	0.59
	Southbound	I-10	Freeway	5	28,260	14,021	0.50	0.50		
	Eastbound	Ray	Major Arterial	3	5,832	5,746	0.99	0.99		
	Westbound	Ray	Major Arterial	3	5,832	3,163	0.54	0.54		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Ray	NB Off-Ramp	2,717	3,240	0.84	0.86
	NB On-Ramp	3,777	3,240	1.17	
	SB Off-Ramp	3,058	3,240	0.94	
	SB On-Ramp	1,615	3,240	0.50	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Ray	West of Interchange	Eastbound	Major Arterial	3	5,832	5,746	0.99	0.78
		Westbound	Major Arterial	3	5,832	3,997	0.69	
	Between Ramps	Eastbound	Major Arterial	3	5,832	6,076	1.04	
		Westbound	Major Arterial	3	5,832	2,884	0.49	
	East of Interchange	Eastbound	Major Arterial	3	5,832	5,295	0.91	
		Westbound	Major Arterial	3	5,832	3,163	0.54	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Ray	Northbound	I-10	Freeway	6	43,704	22,352	0.51	0.51	0.92	0.71
	Southbound	I-10	Freeway	5	36,420	31,053	0.85	0.85		
	Eastbound	Ray	Major Arterial	3	8,625	7,406	0.86	0.86		
	Westbound	Ray	Major Arterial	3	8,625	8,453	0.98	0.98		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Ray	NB Off-Ramp	2,660	4,320	0.62	0.99
	NB On-Ramp	5,360	4,320	1.24	
	SB Off-Ramp	5,309	4,320	1.23	
	SB On-Ramp	3,810	4,320	0.88	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Ray	West of Interchange	Eastbound	Major Arterial	3	8,625	7,406	0.86	0.87
		Westbound	Major Arterial	3	8,625	8,731	1.01	
	Between Ramps	Eastbound	Major Arterial	3	8,625	7,232	0.84	
		Westbound	Major Arterial	3	8,625	7,058	0.82	
	East of Interchange	Eastbound	Major Arterial	3	8,625	5,927	0.69	
		Westbound	Major Arterial	3	8,625	8,453	0.98	

Spine Corridor Master Plan Traffic Interchange Summary Tables

Congestion Index

Ramp Demand

Cross Street V/C

Chandler Boulevard

AM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Chandler	Northbound	I-10	Freeway	4	23,016	9,584	0.42	0.42	0.60	0.42
	Southbound	I-10	Freeway	6	35,544	12,583	0.35	0.35		
	Eastbound	Chandler	Major Arterial	3	5,832	4,654	0.80	0.80		
	Westbound	Chandler	Major Arterial	3	5,832	2,341	0.40	0.40		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Chandler	NB Off-Ramp	1,206	3,240	0.37	0.54
	NB On-Ramp	2,498	3,240	0.77	
	SB Off-Ramp	2,671	3,240	0.82	
	SB On-Ramp	602	3,240	0.19	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Chandler	West of Interchange	Eastbound	Major Arterial	3	5,832	4,654	0.80	0.65
		Westbound	Major Arterial	3	5,832	3,154	0.54	
	Between Ramps	Eastbound	Major Arterial	3	5,832	5,802	0.99	
		Westbound	Major Arterial	3	5,832	2,233	0.38	
	East of Interchange	Eastbound	Major Arterial	3	5,832	4,617	0.79	
		Westbound	Major Arterial	3	5,832	2,341	0.40	

PM Peak

Traffic Interchange	Direction	Road Name	Facility Type	Lanes	Capacity	Flow	V/C	Directional V/C	Interchange V/C (without Freeway)	Interchange V/C
I-10 & Chandler	Northbound	I-10	Freeway	4	29,136	10,554	0.36	0.36	0.74	0.59
	Southbound	I-10	Freeway	6	43,704	29,590	0.68	0.68		
	Eastbound	Chandler	Major Arterial	3	8,625	5,763	0.67	0.67		
	Westbound	Chandler	Major Arterial	3	8,625	7,082	0.82	0.82		

Traffic Interchange	Ramp	Flow	Capacity	Ramp V/C	Composite V/C
I-10 & Chandler	NB Off-Ramp	1,157	4,320	0.27	0.62
	NB On-Ramp	4,069	4,320	0.94	
	SB Off-Ramp	3,756	4,320	0.87	
	SB On-Ramp	1,676	4,320	0.39	

Traffic Interchange	Location	Direction	Facility Type	Lanes	Capacity	Flow	V/C	Composite V/C
I-10 & Chandler	West of Interchange	Eastbound	Major Arterial	3	8,625	5,763	0.67	0.71
		Westbound	Major Arterial	3	8,625	7,413	0.86	
	Between Ramps	Eastbound	Major Arterial	3	8,625	6,040	0.70	
		Westbound	Major Arterial	3	8,625	5,610	0.65	
	East of Interchange	Eastbound	Major Arterial	3	8,625	4,601	0.53	
		Westbound	Major Arterial	3	8,625	7,082	0.82	