APPENDIX 5.12B -
INTERSECTION ANALYSIS WORKSHEETS

Existing Conditions

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 2.7 Worst Case Level Of Service: A[9.1]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	10	29	0	0		23	28		0		0	0		0		20	1		6	
Growth Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
Initial Bse:	10	29	0	0		23	28		0		0	0		0		20	1		6	
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.73	0.73	0.73	0.73		0.73	0.73		0.73		0.73	0.73		0.73		0.73	0.73		0.73	
PHF Volume:	14	40	0	0		32	38		0		0	0		0		27	1		8	
Reduct Vol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Final Vol.:	14	40	0	0		32	38		0		0	0		0		27	1		8	
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		6.4	6.5		6.2						
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		3.5	4.0		3.3						
Capacity Module:																				
Cnflict Vol:	32	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		118	99		40						
Potent Cap.:	1594	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		883	795		1037						
Move Cap.:	1594	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		877	788		1037						
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx		0.03	0.00		0.01						
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	8.5								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	A								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		872	xxxx	xxxxx							
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.1	xxxx	xxxxx							
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.3	xxxx	xxxxx							
Shared LOS:	A	*	*	*	*	*	*	*	*		A	*	*							
ApproachDel:	xxxxxx			xxxxxx			xxxxxx				9.1									
ApproachLOS:	*			*			*				A									

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

Average Delay (sec/veh): 2.1 Worst Case Level Of Service: A[9.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	19	37	17	49	0	9	1	9	0	0	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	0	19	37	17	49	0	9	1	9	0	0	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84								
PHF Volume:	0	23	44	20	58	0	11	1	11	0	0	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	0	23	44	20	58	0	11	1	11	0	0	0								
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	6.4	6.5	6.2	xxxxx	xxxx	xxxxx								
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx								
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	23	xxxx	xxxxx	143	121	58	xxxx	xxxx	xxxxx								
Potent Cap.:	xxxx	xxxx	xxxxx	1606	xxxx	xxxxx	854	773	1013	xxxx	xxxx	xxxxx								
Move Cap.:	xxxx	xxxx	xxxxx	1606	xxxx	xxxxx	846	763	1013	xxxx	xxxx	xxxxx								
Volume/Cap:	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	0.01	0.00	0.01	xxxx	xxxx	xxxx								
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	0.0	xxxxx	xxxx	xxxxx								
Stopped Del:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	xxxxx	xxxx	8.6	xxxxx	xxxx	xxxxx								
LOS by Move:	*	*	*	A	*	*	*	*	A	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	837	xxxx	xxxxx	xxxx	xxxx	xxxxx								
SharedQueue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	9.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	*	*	*	A	*	*	A	*	*	*	*	*								
ApproachDel:	xxxxxx			xxxxxx			9.0			xxxxxx										
ApproachLOS:	*			*			A			*										

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #3 SR-78/22nd Ave

Average Delay (sec/veh): 0.8 Worst Case Level Of Service: A[9.3]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Stop Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1!	0	0		0	0	1!	0	0		0	0	1!	0	0		0	1	0	0	0	
Volume Module:																								
Base Vol:	1	59		4			1	43		1			1	2		1			3	1		0		
Growth Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00		
Initial Bse:	1	59		4			1	43		1			1	2		1			3	1		0		
User Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00		
PHF Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00		
PHF Volume:	1	59		4			1	43		1			1	2		1			3	1		0		
Reduct Vol:	0	0		0			0	0		0			0	0		0			0	0		0		
Final Vol.:	1	59		4			1	43		1			1	2		1			3	1		0		
Critical Gap Module:																								
Critical Gp:	4.1	xxxx	xxxxx				4.1	xxxx	xxxxx				7.1	6.5		6.2			7.1	6.5		xxxxx		
FollowUpTim:	2.2	xxxx	xxxxx				2.2	xxxx	xxxxx				3.5	4.0		3.3			3.5	4.0		xxxxx		
Capacity Module:																								
Cnflict Vol:	44	xxxx	xxxxx				63	xxxx	xxxxx				109	111		43			110	109		xxxxx		
Potent Cap.:	1577	xxxx	xxxxx				1553	xxxx	xxxxx				874	783		1032			873	785		xxxxx		
Move Cap.:	1577	xxxx	xxxxx				1553	xxxx	xxxxx				873	782		1032			870	784		xxxxx		
Volume/Cap:	0.00	xxxx	xxxx				0.00	xxxx	xxxx				0.00	0.00		0.00			0.00	0.00		xxxx		
Level Of Service Module:																								
Queue:	0.0	xxxx	xxxxx				0.0	xxxx	xxxxx				xxxxx	xxxx		xxxxx			xxxxx	xxxx		xxxxx		
Stopped Del:	7.3	xxxx	xxxxx				7.3	xxxx	xxxxx				xxxxx	xxxx		xxxxx			xxxxx	xxxx		xxxxx		
LOS by Move:	A	*		*			A	*		*			*	*		*			*	*		*		
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx	xxxxx				xxxx	xxxx	xxxxx				xxxx	856		xxxxx			846	xxxx		xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx	0.0		xxxxx			0.0	xxxx		xxxxx		
Shrd StpDel:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx	9.2		xxxxx			9.3	xxxx		xxxxx		
Shared LOS:	*	*		*			*	*		*			*	A		*			A	*		*		
ApproachDel:	xxxxxx						xxxxxx						9.2						9.3					
ApproachLOS:	*						*						A						A					

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.028
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 6.9
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 0 1! 0 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	18	6	3	8	16	14	0	1	4	9	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	18	6	3	8	16	14	0	1	4	9	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	18	6	3	8	16	14	0	1	4	9	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	18	6	3	8	16	14	0	1	4	9	6
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	18	6	3	8	16	14	0	1	4	9	6
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.75	0.25	0.11	0.30	0.59	0.93	0.00	0.07	0.21	0.47	0.32
Final Sat.:	0	696	232	108	289	578	798	0	57	194	435	290
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.03	0.03	0.03	0.02	xxxx	0.02	0.02	0.02	0.02
Crit Moves:		****			****		****					****
Delay/Veh:	0.0	6.9	6.9	6.8	6.8	6.8	7.2	0.0	7.2	6.9	6.9	6.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.9	6.9	6.8	6.8	6.8	7.2	0.0	7.2	6.9	6.9	6.9
LOS by Move:	*	A	A	A	A	A	A	*	A	A	A	A
ApproachDel:		6.9			6.8			7.2			6.9	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		6.9			6.8			7.2			6.9	
LOS by Appr:		A			A			A			A	

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.024
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 1 0 0 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	14	7	1	10	0	0	0	0	19	1	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	14	7	1	10	0	0	0	0	19	1	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	14	7	1	10	0	0	0	0	19	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	14	7	1	10	0	0	0	0	19	1	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	14	7	1	10	0	0	0	0	19	1	1
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.67	0.33	0.09	0.91	0.00	0.00	1.00	0.00	0.90	0.05	0.05
Final Sat.:	0	636	318	82	818	0	0	0	0	785	41	41
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.02	0.02	0.01	0.01	xxxx	xxxx	xxxx	xxxx	0.02	0.02	0.02
Crit Moves:			****		****							****
Delay/Veh:	0.0	6.8	6.8	7.0	7.0	0.0	0.0	0.0	0.0	7.2	7.2	7.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.8	6.8	7.0	7.0	0.0	0.0	0.0	0.0	7.2	7.2	7.2
LOS by Move:	*	A	A	A	A	*	*	*	*	A	A	A
ApproachDel:	6.8			7.0			xxxxxx			7.2		
Delay Adj:	1.00			1.00			xxxxx			1.00		
ApprAdjDel:	6.8			7.0			xxxxxx			7.2		
LOS by Appr:	A			A			*			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		0 0 1!	0 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	35	0	0	34	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	35	0	0	34	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
PHF Volume:	0	45	0	0	44	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	45	0	0	44	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #7 SR-78/34th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Yield Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 0	1 0		0 0 1!	0 0		0 0 1!	0 0	
Volume Module:												
Base Vol:	0	39	0	0	28	2	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	39	0	0	28	2	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
PHF Volume:	0	54	0	0	39	3	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	54	0	0	39	3	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	0	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.125
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.5
Optimal Cycle: 16 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Permitted				Permitted				Permitted				Permitted			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0 2	0	0	0	0 1	1	0	0	0 0	0	0	0	1 0	0	1
Volume Module:																
Base Vol:	29	175	0	0	188	89	0	0	0	45	10	78				
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Initial Bse:	29	175	0	0	188	89	0	0	0	45	10	78				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Volume:	29	175	0	0	188	89	0	0	0	45	10	78				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	29	175	0	0	188	89	0	0	0	45	10	78				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	29	175	0	0	188	89	0	0	0	45	10	78				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900				
Adjustment:	0.54	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.85	0.85	0.85				
Lanes:	1.00	2.00	0.00	0.00	1.36	0.64	0.00	0.00	0.00	0.82	0.18	1.00				
Final Sat.:	1032	3610	0	0	2455	1162	0	0	0	1321	294	1615				
Capacity Analysis Module:																
Vol/Sat:	0.03	0.05	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.03	0.03	0.05				
Crit Moves:					****							****				
Green/Cycle:	0.61	0.61	0.00	0.00	0.61	0.61	0.00	0.00	0.00	0.39	0.39	0.39				
Volume/Cap:	0.05	0.08	0.00	0.00	0.12	0.12	0.00	0.00	0.00	0.09	0.09	0.12				
Delay/Veh:	7.7	7.9	0.0	0.0	8.1	8.1	0.0	0.0	0.0	19.5	19.5	19.8				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	7.7	7.9	0.0	0.0	8.1	8.1	0.0	0.0	0.0	19.5	19.5	19.8				
AustraQueue:	0	2	0	0	2	1	0	0	0	1	0	1				

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.106
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.4
Optimal Cycle: 16 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 1	1 0		1 0 2	0 0		0 1 0	1 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	150	33	87	150	0	56	12	22	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	150	33	87	150	0	56	12	22	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	150	33	87	150	0	56	12	22	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	150	33	87	150	0	56	12	22	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	150	33	87	150	0	56	12	22	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.97	0.97	0.61	0.95	1.00	0.93	0.93	0.93	1.00	1.00	1.00
Lanes:	0.00	1.64	0.36	1.00	2.00	0.00	1.00	0.35	0.65	0.00	0.00	0.00
Final Sat.:	0	3031	667	1167	3610	0	1762	622	1140	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.05	0.05	0.07	0.04	0.00	0.03	0.02	0.02	0.00	0.00	0.00
Crit Moves:				****			****					
Green/Cycle:	0.00	0.70	0.70	0.70	0.70	0.00	0.30	0.30	0.30	0.00	0.00	0.00
Volume/Cap:	0.00	0.07	0.07	0.11	0.06	0.00	0.11	0.06	0.06	0.00	0.00	0.00
Delay/Veh:	0.0	4.7	4.7	4.9	4.7	0.0	25.4	25.1	25.1	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	4.7	4.7	4.9	4.7	0.0	25.4	25.1	25.1	0.0	0.0	0.0
AustraQueue:	0	1	0	1	1	0	1	0	0	0	0	0

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.111
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	-	R	L	- T	-	R	L	- T	-	R	L	- T	-	R
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	0	41	14		72	42	11		15	15	0		12	7	75	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	41	14		72	42	11		15	15	0		12	7	75	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	41	14		72	42	11		15	15	0		12	7	75	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	41	14		72	42	11		15	15	0		12	7	75	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	41	14		72	42	11		15	15	0		12	7	75	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	1.00	1.00		1.00	1.00	1.00		0.50	0.50	1.00		1.00	1.00	1.00	
Final Sat.:	0	713	827		648	711	825		329	329	0		627	687	794	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.06	0.02		0.11	0.06	0.01		0.05	0.05	xxxx		0.02	0.01	0.09	
Crit Moves:		****			****					****					****	
Delay/Veh:	0.0	7.9	7.0		8.8	7.9	7.0		8.2	8.2	0.0		8.4	7.8	7.5	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	7.9	7.0		8.8	7.9	7.0		8.2	8.2	0.0		8.4	7.8	7.5	
LOS by Move:	*	A	A		A	A	A		A	A	*		A	A	A	
ApproachDel:		7.7				8.3				8.2				7.6		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		7.7				8.3				8.2				7.6		
LOS by Appr:		A				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing AM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.052
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.4
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 1 0	0 1		0 1 0	1 0		0 0 1!	0 0		0 0 1!	0 0	
Volume Module:												
Base Vol:	2	38	2	10	33	4	8	11	3	7	6	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	38	2	10	33	4	8	11	3	7	6	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	38	2	10	33	4	8	11	3	7	6	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	38	2	10	33	4	8	11	3	7	6	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	2	38	2	10	33	4	8	11	3	7	6	9
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.95	1.00	0.43	1.40	0.17	0.36	0.50	0.14	0.32	0.27	0.41
Final Sat.:	38	729	907	314	1082	135	311	428	117	284	244	365
Capacity Analysis Module:												
Vol/Sat:	0.05	0.05	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
Crit Moves:		****		****				****			****	
Delay/Veh:	7.6	7.6	6.6	7.7	7.5	7.3	7.2	7.2	7.2	7.0	7.0	7.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.6	7.6	6.6	7.7	7.5	7.3	7.2	7.2	7.2	7.0	7.0	7.0
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.6			7.5			7.2			7.0		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.6			7.5			7.2			7.0		
LOS by Appr:	A			A			A			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 2.9 Worst Case Level Of Service: A[9.1]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	2	57	0	0		36	3				0	0	0			34	1	8		
Growth Adj:	1.00	1.00	1.00	1.00		1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00		
Initial Bse:	2	57	0	0		36	3				0	0	0			34	1	8		
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.88	0.88	0.88	0.88		0.88	0.88				0.88	0.88	0.88			0.88	0.88	0.88		
PHF Volume:	2	65	0	0		41	3				0	0	0			39	1	9		
Reduct Vol:	0	0	0	0		0	0				0	0	0			0	0	0		
Final Vol.:	2	65	0	0		41	3				0	0	0			39	1	9		
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		6.4	6.5	6.2							
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		3.5	4.0	3.3							
Capacity Module:																				
Cnflict Vol:	41	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		112	110	65							
Potent Cap.:	1581	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		890	784	1005							
Move Cap.:	1581	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		889	783	1005							
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx		0.04	0.00	0.01							
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	8.6								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	A								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		885	xxxx	xxxxx							
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.1	xxxx	xxxxx							
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.3	xxxx	xxxxx							
Shared LOS:	A	*	*	*	*	*	*	*	*		A	*	*							
ApproachDel:	xxxxxx			xxxxxx			xxxxxx				9.1									
ApproachLOS:	*			*			*				A									

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

Average Delay (sec/veh): 2.7 Worst Case Level Of Service: A[9.3]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	26	36		7	63		0		33	2		10		0	0		0		
Growth Adj:	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		
Initial Bse:	0	26	36		7	63		0		33	2		10		0	0		0		
User Adj:	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		
PHF Adj:	0.84	0.84	0.84		0.84	0.84		0.84		0.84	0.84		0.84		0.84	0.84		0.84		
PHF Volume:	0	31	43		8	75		0		39	2		12		0	0		0		
Reduct Vol:	0	0	0		0	0		0		0	0		0		0	0		0		
Final Vol.:	0	31	43		8	75		0		39	2		12		0	0		0		
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx		4.1	xxxx	xxxxx			6.4	6.5		6.2	xxxxx	xxxx	xxxxx				
FollowUpTim:	xxxxx	xxxx	xxxxx		2.2	xxxx	xxxxx			3.5	4.0		3.3	xxxxx	xxxx	xxxxx				
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx		31	xxxx	xxxxx			144	123		75	xxxx	xxxx	xxxxx				
Potent Cap.:	xxxx	xxxx	xxxxx		1595	xxxx	xxxxx			853	772		992	xxxx	xxxx	xxxxx				
Move Cap.:	xxxx	xxxx	xxxxx		1595	xxxx	xxxxx			850	767		992	xxxx	xxxx	xxxxx				
Volume/Cap:	xxxx	xxxx	xxxx		0.01	xxxx	xxxx			0.05	0.00		0.01	xxxx	xxxx	xxxx				
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx		0.0	xxxx	xxxxx	xxxxx	xxxx		0.0	xxxxx	xxxx	xxxxx						
Stopped Del:	xxxxx	xxxx	xxxxx		7.3	xxxx	xxxxx	xxxxx	xxxx		8.7	xxxxx	xxxx	xxxxx						
LOS by Move:	*	*	*		A	*	*	*	*		A	*	*	*						
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx			845	xxxx	xxxxx		xxxx	xxxx	xxxxx				
SharedQueue:	xxxxx	xxxx	xxxxx		0.0	xxxx	xxxxx			0.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx					
Shrd StpDel:	xxxxx	xxxx	xxxxx		7.3	xxxx	xxxxx			9.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx					
Shared LOS:	*	*	*		A	*	*			A	*	*	*	*	*					
ApproachDel:	xxxxxx				xxxxxx					9.3				xxxxxx						
ApproachLOS:	*				*					A				*						

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #3 SR-78/22nd Ave

Average Delay (sec/veh): 0.6 Worst Case Level Of Service: A[9.3]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	1!	0	0	0	1	0	0	0
Volume Module:																				
Base Vol:	2	52	0	0	60	2	1	0	1	3	1	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	52	0	0	60	2	1	0	1	3	1	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	2	52	0	0	60	2	1	0	1	3	1	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	2	52	0	0	60	2	1	0	1	3	1	0								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.1	xxxx	6.2	7.1	6.5	xxxxx								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	3.5	4.0	xxxxx								
Capacity Module:																				
Cnflict Vol:	62	xxxx	xxxxx	xxxx	xxxx	xxxxx	118	xxxx	61	118	118	xxxxx								
Potent Cap.:	1554	xxxx	xxxxx	xxxx	xxxx	xxxxx	863	xxxx	1010	863	776	xxxxx								
Move Cap.:	1554	xxxx	xxxxx	xxxx	xxxx	xxxxx	862	xxxx	1010	862	775	xxxxx								
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	xxxx	0.00	0.00	0.00	xxxx								
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	930	xxxxx	838	xxxx	xxxxx								
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	0.0	xxxx	xxxxx								
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	8.9	xxxxx	9.3	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	A	*	A	*	*								
ApproachDel:	xxxxxx			xxxxxx				8.9			9.3									
ApproachLOS:	*			*				A			A									

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.043
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 0 1! 0 0			0 1 0 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	22	9	2	19	20	20	4	0	8	3	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	22	9	2	19	20	20	4	0	8	3	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	22	9	2	19	20	20	4	0	8	3	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	22	9	2	19	20	20	4	0	8	3	7
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	22	9	2	19	20	20	4	0	8	3	7
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.71	0.29	0.05	0.46	0.49	0.83	0.17	0.00	0.44	0.17	0.39
Final Sat.:	0	656	269	47	442	465	698	140	0	401	151	351
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.04	0.04	0.04	0.03	0.03	xxxx	0.02	0.02	0.02
Crit Moves:		****			****			****			****	
Delay/Veh:	0.0	7.0	7.0	6.9	6.9	6.9	7.3	7.3	0.0	7.0	7.0	7.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	7.0	7.0	6.9	6.9	6.9	7.3	7.3	0.0	7.0	7.0	7.0
LOS by Move:	*	A	A	A	A	A	A	A	*	A	A	A
ApproachDel:		7.0			6.9			7.3			7.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.0			6.9			7.3			7.0	
LOS by Appr:		A			A			A			A	

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.025
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 1 0 0 0			1 0 0 0 0			1 0 0 0 0		
Volume Module:												
Base Vol:	0	8	17	1	16	0	2	0	0	21	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	8	17	1	16	0	2	0	0	21	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	8	17	1	16	0	2	0	0	21	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	8	17	1	16	0	2	0	0	21	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	8	17	1	16	0	2	0	0	21	0	0
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.32	0.68	0.06	0.94	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Final Sat.:	0	321	683	53	846	0	849	0	0	853	0	0
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.02	0.02	0.02	0.02	xxxx	0.00	xxxx	xxxx	0.02	xxxx	xxxx
Crit Moves:		****			****		****			****		
Delay/Veh:	0.0	6.6	6.6	7.1	7.1	0.0	7.2	0.0	0.0	7.3	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.6	6.6	7.1	7.1	0.0	7.2	0.0	0.0	7.3	0.0	0.0
LOS by Move:	*	A	A	A	A	*	A	*	*	A	*	*
ApproachDel:		6.6			7.1			7.2			7.3	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		6.6			7.1			7.2			7.3	
LOS by Appr:		A			A			A			A	

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		0 0 1!	0 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	27	0	0	43	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	27	0	0	43	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
PHF Volume:	0	31	0	0	49	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	31	0	0	49	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #7 SR-78/34th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Uncontrolled			Uncontrolled			Yield Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		0 0 1!	0 0		0 0 1!	0 0	
Volume Module:												
Base Vol:	0	36	0	0	41	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	36	0	0	41	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	0	43	0	0	49	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	43	0	0	49	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	0	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.125
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 9.9
Optimal Cycle: 16 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Permitted				Permitted				Permitted				Permitted			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0 2	0	0	0	0 1	1	0	0	0 0	0	0	0	1 0	0	1
Volume Module:																
Base Vol:	21	278	0	0	250	42	0	0	0	47	12	75				
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Initial Bse:	21	278	0	0	250	42	0	0	0	47	12	75				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Volume:	21	278	0	0	250	42	0	0	0	47	12	75				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	21	278	0	0	250	42	0	0	0	47	12	75				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	21	278	0	0	250	42	0	0	0	47	12	75				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900				
Adjustment:	0.54	0.95	1.00	1.00	0.98	0.98	1.00	1.00	1.00	0.85	0.85	0.85				
Lanes:	1.00	2.00	0.00	0.00	1.71	0.29	0.00	0.00	0.00	0.80	0.20	1.00				
Final Sat.:	1020	3610	0	0	3182	535	0	0	0	1287	328	1615				
Capacity Analysis Module:																
Vol/Sat:	0.02	0.08	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.04	0.04	0.05				
Crit Moves:					****							****				
Green/Cycle:	0.63	0.63	0.00	0.00	0.63	0.63	0.00	0.00	0.00	0.37	0.37	0.37				
Volume/Cap:	0.03	0.12	0.00	0.00	0.13	0.13	0.00	0.00	0.00	0.10	0.10	0.13				
Delay/Veh:	7.1	7.5	0.0	0.0	7.5	7.5	0.0	0.0	0.0	20.6	20.6	20.8				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	7.1	7.5	0.0	0.0	7.5	7.5	0.0	0.0	0.0	20.6	20.6	20.8				
AustraQueue:	0	3	0	0	3	0	0	0	0	1	0	1				

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.172
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.5
Optimal Cycle: 17 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 1	1 0		1 0 2	0 0		0 1 0	1 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	199	55	121	178	0	103	28	51	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	199	55	121	178	0	103	28	51	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	199	55	121	178	0	103	28	51	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	199	55	121	178	0	103	28	51	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	199	55	121	178	0	103	28	51	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.97	0.97	0.56	0.95	1.00	0.92	0.92	0.92	1.00	1.00	1.00
Lanes:	0.00	1.57	0.43	1.00	2.00	0.00	1.00	0.35	0.65	0.00	0.00	0.00
Final Sat.:	0	2879	796	1070	3610	0	1744	618	1126	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.07	0.11	0.05	0.00	0.06	0.05	0.05	0.00	0.00	0.00
Crit Moves:				****			****					
Green/Cycle:	0.00	0.66	0.66	0.66	0.66	0.00	0.34	0.34	0.34	0.00	0.00	0.00
Volume/Cap:	0.00	0.11	0.11	0.17	0.08	0.00	0.17	0.13	0.13	0.00	0.00	0.00
Delay/Veh:	0.0	6.3	6.3	6.8	6.2	0.0	23.0	22.6	22.6	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.3	6.3	6.8	6.2	0.0	23.0	22.6	22.6	0.0	0.0	0.0
AustraQueue:	0	2	1	1	2	0	2	1	1	0	0	0

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.096
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 1 0 0 1			1 0 1 0 1			0 1 0 0 1			1 0 1 0 1		
Volume Module:												
Base Vol:	7	48	18	62	51	17	14	13	1	8	15	68
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	7	48	18	62	51	17	14	13	1	8	15	68
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	7	48	18	62	51	17	14	13	1	8	15	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	48	18	62	51	17	14	13	1	8	15	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	48	18	62	51	17	14	13	1	8	15	68
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.13	0.87	1.00	1.00	1.00	1.00	0.52	0.48	1.00	1.00	1.00	1.00
Final Sat.:	90	615	829	645	708	820	337	313	785	620	678	782
Capacity Analysis Module:												
Vol/Sat:	0.08	0.08	0.02	0.10	0.07	0.02	0.04	0.04	0.00	0.01	0.02	0.09
Crit Moves:		****		****			****					****
Delay/Veh:	8.1	8.1	7.0	8.7	8.0	7.0	8.2	8.2	7.1	8.4	7.9	7.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.1	8.1	7.0	8.7	8.0	7.0	8.2	8.2	7.1	8.4	7.9	7.5
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.8			8.2			8.2			7.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.8			8.2			8.2			7.7		
LOS by Appr:	A			A			A			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Existing PM Peak Hour Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.036
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 1 0	0 1		0 1 0	1 0		0 0 1!	0 0		0 0 1!	0 0	
Volume Module:												
Base Vol:	2	26	4	8	30	3	5	8	5	3	6	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	26	4	8	30	3	5	8	5	3	6	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	26	4	8	30	3	5	8	5	3	6	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	26	4	8	30	3	5	8	5	3	6	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	2	26	4	8	30	3	5	8	5	3	6	9
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.07	0.93	1.00	0.39	1.46	0.15	0.28	0.44	0.28	0.17	0.33	0.50
Final Sat.:	55	716	914	291	1134	116	247	396	247	154	309	463
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.00	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Crit Moves:	****			****				****		****		
Delay/Veh:	7.5	7.5	6.6	7.6	7.4	7.3	7.1	7.1	7.1	6.9	6.9	6.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.5	7.5	6.6	7.6	7.4	7.3	7.1	7.1	7.1	6.9	6.9	6.9
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.4			7.5			7.1			6.9		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.4			7.5			7.1			6.9		
LOS by Appr:	A			A			A			A		

2015 Baseline Condition

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 2.7 Worst Case Level Of Service: A[9.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	11	31	0	0		25	30		0		0	0		0		22	1		6	
Growth Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
Initial Bse:	11	31	0	0		25	30		0		0	0		0		22	1		6	
Added Vol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
PasserByVol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Initial Fut:	11	31	0	0		25	30		0		0	0		0		22	1		6	
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Volume:	11	31	0	0		25	30		0		0	0		0		22	1		6	
Reduct Vol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Final Vol.:	11	31	0	0		25	30		0		0	0		0		22	1		6	
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		6.4	6.5		6.2						
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		3.5	4.0		3.3						
Capacity Module:																				
Cnflict Vol:	25	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		93	78		31						
Potent Cap.:	1603	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		912	816		1049						
Move Cap.:	1603	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		907	811		1049						
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx		0.02	0.00		0.01						
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx		0.0							
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx		8.5							
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*		A							
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT					
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		902	xxxx	xxxxx							
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.1	xxxx	xxxxx							
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.1	xxxx	xxxxx							
Shared LOS:	A	*	*	*	*	*	*	*	*		A	*	*							
ApproachDel:	xxxxxx			xxxxxx			xxxxxx				9.0									
ApproachLOS:	*			*			*				A									

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

Average Delay (sec/veh): 2.1 Worst Case Level Of Service: A[8.9]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	21	40	18	53	0	10	1	10	0	0	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	0	21	40	18	53	0	10	1	10	0	0	0								
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	0	21	40	18	53	0	10	1	10	0	0	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	0	21	40	18	53	0	10	1	10	0	0	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	0	21	40	18	53	0	10	1	10	0	0	0								
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	6.4	6.5	6.2	xxxxx	xxxx	xxxxx								
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx								
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	21	xxxx	xxxxx	130	110	53	xxxx	xxxx	xxxxx								
Potent Cap.:	xxxx	xxxx	xxxxx	1608	xxxx	xxxxx	869	784	1020	xxxx	xxxx	xxxxx								
Move Cap.:	xxxx	xxxx	xxxxx	1608	xxxx	xxxxx	862	775	1020	xxxx	xxxx	xxxxx								
Volume/Cap:	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	0.01	0.00	0.01	xxxx	xxxx	xxxx								
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	0.0	xxxxx	xxxx	xxxxx								
Stopped Del:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	xxxxx	xxxx	8.6	xxxxx	xxxx	xxxxx								
LOS by Move:	*	*	*	A	*	*	*	*	A	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	853	xxxx	xxxxx	xxxx	xxxx	xxxxx								
SharedQueue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	9.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	*	*	*	A	*	*	A	*	*	*	*	*								
ApproachDel:	xxxxxx			xxxxxx			8.9			xxxxxx										
ApproachLOS:	*			*			A			*										

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #3 SR-78/22nd Ave

****

Average Delay (sec/veh): 0.7 Worst Case Level Of Service: A[9.3]

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1! 0 0			0 0 1! 0 0			0 0 1! 0 0			0 1 0 0 0		
Volume Module:												
Base Vol:	1	64	4	1	46	1	1	2	1	3	1	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	64	4	1	46	1	1	2	1	3	1	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	64	4	1	46	1	1	2	1	3	1	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	64	4	1	46	1	1	2	1	3	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	1	64	4	1	46	1	1	2	1	3	1	0
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	xxxxx
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	xxxxx
Capacity Module:												
Cnflict Vol:	47	xxxx	xxxxx	68	xxxx	xxxxx	117	119	47	118	117	xxxxx
Potent Cap.:	1573	xxxx	xxxxx	1546	xxxx	xxxxx	864	776	1029	863	777	xxxxx
Move Cap.:	1573	xxxx	xxxxx	1546	xxxx	xxxxx	862	775	1029	859	776	xxxxx
Volume/Cap:	0.00	xxxx	xxxx	0.00	xxxx	xxxx	0.00	0.00	0.00	0.00	0.00	xxxx
Level Of Service Module:												
Queue:	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	7.3	xxxx	xxxxx	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	849	xxxxx	837	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	0.0	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	9.3	xxxxx	9.3	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	A	*	A	*	*
ApproachDel:	xxxxxx			xxxxxx			9.3			9.3		
ApproachLOS:	*			*			A			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.030
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 0 1! 0 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	19	6	3	9	17	15	0	1	4	10	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	19	6	3	9	17	15	0	1	4	10	6
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	19	6	3	9	17	15	0	1	4	10	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	19	6	3	9	17	15	0	1	4	10	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	19	6	3	9	17	15	0	1	4	10	6
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	19	6	3	9	17	15	0	1	4	10	6
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.76	0.24	0.10	0.31	0.59	0.94	0.00	0.06	0.20	0.50	0.30
Final Sat.:	0	703	222	101	302	570	798	0	53	183	458	275
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.03	0.03	0.03	0.02	xxxx	0.02	0.02	0.02	0.02
Crit Moves:		****		****			****				****	
Delay/Veh:	0.0	7.0	7.0	6.8	6.8	6.8	7.2	0.0	7.2	7.0	7.0	7.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	7.0	7.0	6.8	6.8	6.8	7.2	0.0	7.2	7.0	7.0	7.0
LOS by Move:	*	A	A	A	A	A	A	*	A	A	A	A
ApproachDel:		7.0			6.8			7.2			7.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.0			6.8			7.2			7.0	
LOS by Appr:		A			A			A			A	

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.027
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1	0		0 1 0 0	0		0 0 1! 0	0		0 0 1! 0	0	
Volume Module:												
Base Vol:	0	15	8	1	11	0	0	0	0	21	1	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	15	8	1	11	0	0	0	0	21	1	1
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	15	8	1	11	0	0	0	0	21	1	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	15	8	1	11	0	0	0	0	21	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	15	8	1	11	0	0	0	0	21	1	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	15	8	1	11	0	0	0	0	21	1	1
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.65	0.35	0.08	0.92	0.00	0.00	1.00	0.00	0.92	0.04	0.04
Final Sat.:	0	622	332	75	823	0	0	0	0	791	38	38
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.02	0.02	0.01	0.01	xxxx	xxxx	xxxx	xxxx	0.03	0.03	0.03
Crit Moves:		****			****					****		
Delay/Veh:	0.0	6.8	6.8	7.0	7.0	0.0	0.0	0.0	0.0	7.2	7.2	7.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.8	6.8	7.0	7.0	0.0	0.0	0.0	0.0	7.2	7.2	7.2
LOS by Move:	*	A	A	A	A	*	*	*	*	A	A	A
ApproachDel:		6.8			7.0			xxxxxx			7.2	
Delay Adj:		1.00			1.00			xxxxx			1.00	
ApprAdjDel:		6.8			7.0			xxxxxx			7.2	
LOS by Appr:		A			A			*			A	

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		0 0 1!	0 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	38	0	0	37	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	38	0	0	37	0	0	0	0	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	38	0	0	37	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	38	0	0	37	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	38	0	0	37	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #7 SR-78/34th Avenue

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Yield Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1	0	0		0	0	0	1	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module:																								
Base Vol:	0	42		0		0	30		2		0	0		0		0	0		0	0		0	0	
Growth Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Initial Bse:	0	42		0		0	30		2		0	0		0		0	0		0	0		0	0	
Added Vol:	0	0		0		0	0		0		0	0		0		0	0		0	0		0	0	
PasserByVol:	0	0		0		0	0		0		0	0		0		0	0		0	0		0	0	
Initial Fut:	0	42		0		0	30		2		0	0		0		0	0		0	0		0	0	
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	1.00		1.00	1.00	
PHF Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	1.00		1.00	1.00	
PHF Volume:	0	42		0		0	30		2		0	0		0		0	0		0	0		0	0	
Reduct Vol:	0	0		0		0	0		0		0	0		0		0	0		0	0		0	0	
Final Vol.:	0	42		0		0	30		2		0	0		0		0	0		0	0		0	0	
Critical Gap Module:																								
Critical Gp:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	xxxx		xxxxx	xxxx	
FollowUpTim:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	xxxx		xxxxx	xxxx	
Capacity Module:																								
Cnflict Vol:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx			xxxx	xxxx	
Potent Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx			xxxx	xxxx	
Move Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx			xxxx	xxxx	
Volume/Cap:	xxxx	xxxx		xxxx		xxxx	xxxx		xxxx		xxxx	xxxx		xxxx		xxxx	xxxx		xxxx			xxxx	xxxx	
Level Of Service Module:																								
Queue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	xxxx		xxxxx	xxxx	
Stopped Del:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	xxxx		xxxxx	xxxx	
LOS by Move:	*	*		*		*	*		*		*	*		*		*	*		*	*		*	*	
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx		0	xxxxx		xxxx		0	xxxxx					
SharedQueue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	xxxx		xxxxx	xxxx	
Shrd StpDel:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	xxxx		xxxxx	xxxx	
Shared LOS:	*	*		*		*	*		*		*	*		*		*	*		*	*		*	*	
ApproachDel:	xxxxxx						xxxxxx						xxxxxx						xxxxxx					
ApproachLOS:	*						*						*						*					

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.135
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.6
Optimal Cycle: 17 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Permitted				Permitted				Permitted				Permitted			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0 2	0	0	0	0 1	1	0	0	0 0	0	0	0	1 0	0	1
Volume Module:																
Base Vol:	31	189	0	0	203	96	0	0	0	49	11	84				
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Initial Bse:	31	189	0	0	203	96	0	0	0	49	11	84				
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	31	189	0	0	203	96	0	0	0	49	11	84				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Volume:	31	189	0	0	203	96	0	0	0	49	11	84				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	31	189	0	0	203	96	0	0	0	49	11	84				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	31	189	0	0	203	96	0	0	0	49	11	84				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900				
Adjustment:	0.53	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.85	0.85	0.85				
Lanes:	1.00	2.00	0.00	0.00	1.36	0.64	0.00	0.00	0.00	0.82	0.18	1.00				
Final Sat.:	1007	3610	0	0	2456	1162	0	0	0	1319	296	1615				
Capacity Analysis Module:																
Vol/Sat:	0.03	0.05	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.04	0.04	0.05				
Crit Moves:					****							****				
Green/Cycle:	0.61	0.61	0.00	0.00	0.61	0.61	0.00	0.00	0.00	0.39	0.39	0.39				
Volume/Cap:	0.05	0.09	0.00	0.00	0.13	0.13	0.00	0.00	0.00	0.10	0.10	0.13				
Delay/Veh:	7.7	7.9	0.0	0.0	8.2	8.2	0.0	0.0	0.0	19.6	19.6	20.0				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	7.7	7.9	0.0	0.0	8.2	8.2	0.0	0.0	0.0	19.6	19.6	20.0				
AustraQueue:	0	2	0	0	2	1	0	0	0	1	0	2				

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.116
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.3
Optimal Cycle: 16 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	-	T	- R	L	-	T	- R	L	-	T	- R	L	-	T	- R
Control:	Permitted				Permitted				Permitted				Permitted			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	1 0	1	0	2	0 0	0	1	0	1 0	0	0	0	0 0
Volume Module:																
Base Vol:	0	162	36	94	162	0	60	13	24	0	0	0				
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Initial Bse:	0	162	36	94	162	0	60	13	24	0	0	0				
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	0	162	36	94	162	0	60	13	24	0	0	0				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Volume:	0	162	36	94	162	0	60	13	24	0	0	0				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	0	162	36	94	162	0	60	13	24	0	0	0				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	0	162	36	94	162	0	60	13	24	0	0	0				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900				
Adjustment:	1.00	0.97	0.97	0.60	0.95	1.00	0.93	0.93	0.93	1.00	1.00	1.00				
Lanes:	0.00	1.64	0.36	1.00	2.00	0.00	1.00	0.35	0.65	0.00	0.00	0.00				
Final Sat.:	0	3025	672	1148	3610	0	1762	619	1143	0	0	0				
Capacity Analysis Module:																
Vol/Sat:	0.00	0.05	0.05	0.08	0.04	0.00	0.03	0.02	0.02	0.00	0.00	0.00				
Crit Moves:				****			****									
Green/Cycle:	0.00	0.71	0.71	0.71	0.71	0.00	0.29	0.29	0.29	0.00	0.00	0.00				
Volume/Cap:	0.00	0.08	0.08	0.12	0.06	0.00	0.12	0.07	0.07	0.00	0.00	0.00				
Delay/Veh:	0.0	4.6	4.6	4.8	4.5	0.0	25.9	25.5	25.5	0.0	0.0	0.0				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	0.0	4.6	4.6	4.8	4.5	0.0	25.9	25.5	25.5	0.0	0.0	0.0				
AustraQueue:	0	1	0	1	1	0	1	0	0	0	0	0				

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.121
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.1
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	0	44	15		78	45	12		16	16	0		13	8	81	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	44	15		78	45	12		16	16	0		13	8	81	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	44	15		78	45	12		16	16	0		13	8	81	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	44	15		78	45	12		16	16	0		13	8	81	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	44	15		78	45	12		16	16	0		13	8	81	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	44	15		78	45	12		16	16	0		13	8	81	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	1.00	1.00		1.00	1.00	1.00		0.50	0.50	1.00		1.00	1.00	1.00	
Final Sat.:	0	706	817		643	705	816		326	326	0		622	680	785	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.06	0.02		0.12	0.06	0.01		0.05	0.05	xxxx		0.02	0.01	0.10	
Crit Moves:		****			****					****					****	
Delay/Veh:	0.0	8.0	7.0		8.9	8.0	7.0		8.3	8.3	0.0		8.4	7.9	7.6	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	8.0	7.0		8.9	8.0	7.0		8.3	8.3	0.0		8.4	7.9	7.6	
LOS by Move:	*	A	A		A	A	A		A	A	*		A	A	A	
ApproachDel:		7.7				8.4				8.3				7.7		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		7.7				8.4				8.3				7.7		
LOS by Appr:		A				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.056
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.4
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		0 1	0 1	0		0 0	1! 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	2	41	2		11	36	4		9	12	3		8	6	10	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	2	41	2		11	36	4		9	12	3		8	6	10	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	2	41	2		11	36	4		9	12	3		8	6	10	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	2	41	2		11	36	4		9	12	3		8	6	10	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	2	41	2		11	36	4		9	12	3		8	6	10	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	2	41	2		11	36	4		9	12	3		8	6	10	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.05	0.95	1.00		0.43	1.41	0.16		0.37	0.50	0.13		0.33	0.25	0.42	
Final Sat.:	36	730	904		317	1084	124		319	425	106		296	222	370	
Capacity Analysis Module:																
Vol/Sat:	0.06	0.06	0.00		0.03	0.03	0.03		0.03	0.03	0.03		0.03	0.03	0.03	
Crit Moves:	****				****					****				****		
Delay/Veh:	7.6	7.6	6.6		7.7	7.5	7.4		7.3	7.3	7.3		7.1	7.1	7.1	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	7.6	7.6	6.6		7.7	7.5	7.4		7.3	7.3	7.3		7.1	7.1	7.1	
LOS by Move:	A	A	A		A	A	A		A	A	A		A	A	A	
ApproachDel:	7.6				7.5				7.3				7.1			
Delay Adj:	1.00				1.00				1.00				1.00			
ApprAdjDel:	7.6				7.5				7.3				7.1			
LOS by Appr:	A				A				A				A			

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 2.9 Worst Case Level Of Service: A[9.1]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	2	62	0	0	39	3	0	0	0	37	1	9								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	62	0	0	39	3	0	0	0	37	1	9								
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	2	62	0	0	39	3	0	0	0	37	1	9								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	2	62	0	0	39	3	0	0	0	37	1	9								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	2	62	0	0	39	3	0	0	0	37	1	9								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	6.5	6.2								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	4.0	3.3								
Capacity Module:																				
Cnflict Vol:	39	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	107	105	62								
Potent Cap.:	1584	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	896	789	1009								
Move Cap.:	1584	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	895	788	1009								
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.04	0.00	0.01								
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	8.6								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	A								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT					
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	892	xxxx	xxxxx								
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.1	xxxx	xxxxx								
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	9.2	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	*	*	A	*	*								
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			9.1										
ApproachLOS:	*			*			*			A										

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

Average Delay (sec/veh): 2.7 Worst Case Level Of Service: A[9.2]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	28	39			8	68		0		36		2		11	0		0		0
Growth Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
Initial Bse:	0	28	39			8	68		0		36		2		11	0		0		0
Added Vol:	0	0	0			0	0		0		0		0		0	0		0		0
PasserByVol:	0	0	0			0	0		0		0		0		0	0		0		0
Initial Fut:	0	28	39			8	68		0		36		2		11	0		0		0
User Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
PHF Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
PHF Volume:	0	28	39			8	68		0		36		2		11	0		0		0
Reduct Vol:	0	0	0			0	0		0		0		0		0	0		0		0
Final Vol.:	0	28	39			8	68		0		36		2		11	0		0		0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx			4.1	xxxx		xxxxx		6.4		6.5		6.2	xxxxx		xxxx		xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx			2.2	xxxx		xxxxx		3.5		4.0		3.3	xxxxx		xxxx		xxxxx
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx			28	xxxx		xxxxx		132		112		68	xxxx		xxxx		xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx			1599	xxxx		xxxxx		867		782		1001	xxxx		xxxx		xxxxx
Move Cap.:	xxxx	xxxx	xxxxx			1599	xxxx		xxxxx		864		778		1001	xxxx		xxxx		xxxxx
Volume/Cap:	xxxx	xxxx	xxxx			0.01	xxxx		xxxx		0.04		0.00		0.01	xxxx		xxxx		xxxx
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			0.0	xxxx		xxxxx		xxxxx		xxxx		0.0	xxxxx		xxxx		xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx			7.3	xxxx		xxxxx		xxxxx		xxxx		8.6	xxxxx		xxxx		xxxxx
LOS by Move:	*	*	*			A	*		*		*		*		A	*		*		*
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx			xxxx	xxxx		xxxxx		859		xxxx		xxxxx	xxxx		xxxx		xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx			0.0	xxxx		xxxxx		0.1		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx			7.3	xxxx		xxxxx		9.4		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Shared LOS:	*	*	*			A	*		*		A		*		*	*		*		*
ApproachDel:	xxxxxx					xxxxxx							9.2					xxxxxx		
ApproachLOS:	*					*							A					*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #3 SR-78/22nd Ave

Average Delay (sec/veh): 0.5 Worst Case Level Of Service: A[9.4]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	1!	0	0	0	1	0	0	0
Volume Module:																				
Base Vol:	2	56	0	0	65	2	1	0	1	3	1	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	56	0	0	65	2	1	0	1	3	1	0								
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	2	56	0	0	65	2	1	0	1	3	1	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	2	56	0	0	65	2	1	0	1	3	1	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	2	56	0	0	65	2	1	0	1	3	1	0								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.1	xxxx	6.2	7.1	6.5	xxxxx								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	3.5	4.0	xxxxx								
Capacity Module:																				
Cnflict Vol:	67	xxxx	xxxxx	xxxx	xxxx	xxxxx	127	xxxx	66	127	127	xxxxx								
Potent Cap.:	1547	xxxx	xxxxx	xxxx	xxxx	xxxxx	852	xxxx	1003	852	767	xxxxx								
Move Cap.:	1547	xxxx	xxxxx	xxxx	xxxx	xxxxx	850	xxxx	1003	850	766	xxxxx								
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	xxxx	0.00	0.00	0.00	xxxx								
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	920	xxxxx	827	xxxx	xxxxx								
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	0.0	xxxx	xxxxx								
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	8.9	xxxxx	9.4	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	A	*	A	*	*								
ApproachDel:	xxxxxx			xxxxxx				8.9			9.4									
ApproachLOS:	*			*				A			A									

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.047
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 0	0 1	0		0 0	1! 0	0		0 1	0 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	0	24	10		2	21	22		22	4	0		9	3	8	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	24	10		2	21	22		22	4	0		9	3	8	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	24	10		2	21	22		22	4	0		9	3	8	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	24	10		2	21	22		22	4	0		9	3	8	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	24	10		2	21	22		22	4	0		9	3	8	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	24	10		2	21	22		22	4	0		9	3	8	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	0.71	0.29		0.04	0.47	0.49		0.85	0.15	0.00		0.45	0.15	0.40	
Final Sat.:	0	650	271		42	443	464		706	128	0		405	135	360	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.04	0.04		0.05	0.05	0.05		0.03	0.03	xxxx		0.02	0.02	0.02	
Crit Moves:		****					****			****				****		
Delay/Veh:	0.0	7.0	7.0		6.9	6.9	6.9		7.4	7.4	0.0		7.0	7.0	7.0	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	7.0	7.0		6.9	6.9	6.9		7.4	7.4	0.0		7.0	7.0	7.0	
LOS by Move:	*	A	A		A	A	A		A	A	*		A	A	A	
ApproachDel:		7.0				6.9				7.4				7.0		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		7.0				6.9				7.4				7.0		
LOS by Appr:		A				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.027
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 1 0 0 0			1 0 0 0 0			1 0 0 0 0		
Volume Module:												
Base Vol:	0	9	18	1	17	0	2	0	0	23	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	9	18	1	17	0	2	0	0	23	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	9	18	1	17	0	2	0	0	23	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	9	18	1	17	0	2	0	0	23	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	18	1	17	0	2	0	0	23	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	18	1	17	0	2	0	0	23	0	0
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.33	0.67	0.06	0.94	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Final Sat.:	0	334	667	50	846	0	846	0	0	851	0	0
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.02	0.02	xxxx	0.00	xxxx	xxxx	0.03	xxxx	xxxx
Crit Moves:			****		****		****			****		
Delay/Veh:	0.0	6.7	6.7	7.1	7.1	0.0	7.2	0.0	0.0	7.3	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.7	6.7	7.1	7.1	0.0	7.2	0.0	0.0	7.3	0.0	0.0
LOS by Move:	*	A	A	A	A	*	A	*	*	A	*	*
ApproachDel:	6.7			7.1			7.2			7.3		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	6.7			7.1			7.2			7.3		
LOS by Appr:	A			A			A			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Uncontrolled				Uncontrolled				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Lanes:	0 0	1 0	0		0 0	1 0	0		0 0	1! 0	0		0 0	0 0	0	
Volume Module:																
Base Vol:	0	29	0		0	46	0		0	0	0		0	0	0	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	29	0		0	46	0		0	0	0		0	0	0	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	29	0		0	46	0		0	0	0		0	0	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	29	0		0	46	0		0	0	0		0	0	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Final Vol.:	0	29	0		0	46	0		0	0	0		0	0	0	
Critical Gap Module:																
Critical Gp:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx	
FollowUpTim:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx	
Capacity Module:																
Cnflict Vol:	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx	
Potent Cap.:	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx	
Move Cap.:	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx	
Volume/Cap:	xxxx	xxxx	xxxx		xxxx	xxxx	xxxx		xxxx	xxxx	xxxx		xxxx	xxxx	xxxx	
Level Of Service Module:																
Queue:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx	
Stopped Del:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx	
LOS by Move:	*	*	*		*	*	*		*	*	*		*	*	*	
Movement:	LT -	LTR -	RT		LT -	LTR -	RT		LT -	LTR -	RT		LT -	LTR -	RT	
Shared Cap.:	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	0	xxxxx		xxxx	xxxx	xxxxx	
SharedQueue:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx	
Shrd StpDel:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx	
Shared LOS:	*	*	*		*	*	*		*	*	*		*	*	*	
ApproachDel:	xxxxxx				xxxxxx				xxxxxx				xxxxxx			
ApproachLOS:	*				*				*				*			

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 SR-78/34th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Yield Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		0 0 1!	0 0		0 0 1!	0 0	
Volume Module:												
Base Vol:	0	39	0	0	44	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	39	0	0	44	0	0	0	0	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	39	0	0	44	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	39	0	0	44	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	39	0	0	44	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	0	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.135
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.0
Optimal Cycle: 17 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 2	0 0		0 0 1	1 0		0 0 0	0 0		0 1 0	0 1	
Volume Module:												
Base Vol:	23	300	0	0	270	45	0	0	0	51	13	81
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	300	0	0	270	45	0	0	0	51	13	81
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	300	0	0	270	45	0	0	0	51	13	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	300	0	0	270	45	0	0	0	51	13	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	300	0	0	270	45	0	0	0	51	13	81
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	23	300	0	0	270	45	0	0	0	51	13	81
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.52	0.95	1.00	1.00	0.98	0.98	1.00	1.00	1.00	0.85	0.85	0.85
Lanes:	1.00	2.00	0.00	0.00	1.71	0.29	0.00	0.00	0.00	0.80	0.20	1.00
Final Sat.:	994	3610	0	0	3189	531	0	0	0	1287	328	1615
Capacity Analysis Module:												
Vol/Sat:	0.02	0.08	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.04	0.04	0.05
Crit Moves:					****							****
Green/Cycle:	0.63	0.63	0.00	0.00	0.63	0.63	0.00	0.00	0.00	0.37	0.37	0.37
Volume/Cap:	0.04	0.13	0.00	0.00	0.13	0.13	0.00	0.00	0.00	0.11	0.11	0.13
Delay/Veh:	7.1	7.6	0.0	0.0	7.6	7.6	0.0	0.0	0.0	20.6	20.6	20.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.1	7.6	0.0	0.0	7.6	7.6	0.0	0.0	0.0	20.6	20.6	20.9
AustraQueue:	0	3	0	0	3	1	0	0	0	1	0	1

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.189
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.5
Optimal Cycle: 18 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 1	1 0		1 0 2	0 0		0 1 0	1 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	215	59	131	192	0	111	30	55	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	215	59	131	192	0	111	30	55	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	215	59	131	192	0	111	30	55	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	215	59	131	192	0	111	30	55	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	215	59	131	192	0	111	30	55	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	215	59	131	192	0	111	30	55	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.97	0.97	0.55	0.95	1.00	0.92	0.92	0.92	1.00	1.00	1.00
Lanes:	0.00	1.57	0.43	1.00	2.00	0.00	1.00	0.35	0.65	0.00	0.00	0.00
Final Sat.:	0	2886	792	1049	3610	0	1744	615	1128	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.07	0.12	0.05	0.00	0.06	0.05	0.05	0.00	0.00	0.00
Crit Moves:				****			****					
Green/Cycle:	0.00	0.66	0.66	0.66	0.66	0.00	0.34	0.34	0.34	0.00	0.00	0.00
Volume/Cap:	0.00	0.11	0.11	0.19	0.08	0.00	0.19	0.14	0.14	0.00	0.00	0.00
Delay/Veh:	0.0	6.2	6.2	6.6	6.0	0.0	23.5	23.1	23.1	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.2	6.2	6.6	6.0	0.0	23.5	23.1	23.1	0.0	0.0	0.0
AustraQueue:	0	2	1	1	2	0	2	1	1	0	0	0

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.105
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.1
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	8	52	19		67	55	18		15	14	1		9	16	73	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	8	52	19		67	55	18		15	14	1		9	16	73	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	8	52	19		67	55	18		15	14	1		9	16	73	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	8	52	19		67	55	18		15	14	1		9	16	73	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	8	52	19		67	55	18		15	14	1		9	16	73	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	8	52	19		67	55	18		15	14	1		9	16	73	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.13	0.87	1.00		1.00	1.00	1.00		0.52	0.48	1.00		1.00	1.00	1.00	
Final Sat.:	93	605	820		639	701	811		332	310	774		613	670	772	
Capacity Analysis Module:																
Vol/Sat:	0.09	0.09	0.02		0.10	0.08	0.02		0.05	0.05	0.00		0.01	0.02	0.09	
Crit Moves:		****			****					****					****	
Delay/Veh:	8.2	8.2	7.0		8.8	8.1	7.1		8.3	8.3	7.1		8.4	8.0	7.6	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	8.2	8.2	7.0		8.8	8.1	7.1		8.3	8.3	7.1		8.4	8.0	7.6	
LOS by Move:	A	A	A		A	A	A		A	A	A		A	A	A	
ApproachDel:		7.9				8.3				8.3				7.7		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		7.9				8.3				8.3				7.7		
LOS by Appr:		A				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.039
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		0 1	0 1	0		0 0	1! 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	2	28	4		9	32	3		5	9	5		3	6	10	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	2	28	4		9	32	3		5	9	5		3	6	10	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	2	28	4		9	32	3		5	9	5		3	6	10	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	2	28	4		9	32	3		5	9	5		3	6	10	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	2	28	4		9	32	3		5	9	5		3	6	10	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	2	28	4		9	32	3		5	9	5		3	6	10	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.07	0.93	1.00		0.41	1.45	0.14		0.26	0.48	0.26		0.16	0.31	0.53	
Final Sat.:	51	719	913		304	1125	108		233	419	233		146	292	487	
Capacity Analysis Module:																
Vol/Sat:	0.04	0.04	0.00		0.03	0.03	0.03		0.02	0.02	0.02		0.02	0.02	0.02	
Crit Moves:	****				****					****			****			
Delay/Veh:	7.5	7.5	6.6		7.6	7.5	7.3		7.1	7.1	7.1		6.9	6.9	6.9	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	7.5	7.5	6.6		7.6	7.5	7.3		7.1	7.1	7.1		6.9	6.9	6.9	
LOS by Move:	A	A	A		A	A	A		A	A	A		A	A	A	
ApproachDel:	7.4				7.5				7.1				6.9			
Delay Adj:	1.00				1.00				1.00				1.00			
ApprAdjDel:	7.4				7.5				7.1				6.9			
LOS by Appr:	A				A				A				A			

2015 Baseline + Project Construction Condition

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 7.0 Worst Case Level Of Service: B[10.1]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	11	31	0	0		25	30		0		0	0		0		22	1		6	
Growth Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
Initial Bse:	11	31	0	0		25	30		0		0	0		0		22	1		6	
Added Vol:	6	0	0	0		0	0		0		0	0		0		165	0		0	
PasserByVol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Initial Fut:	17	31	0	0		25	30		0		0	0		0		187	1		6	
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Volume:	17	31	0	0		25	30		0		0	0		0		187	1		6	
Reduct Vol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Final Vol.:	17	31	0	0		25	30		0		0	0		0		187	1		6	
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		6.4	6.5		6.2						
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		3.5	4.0		3.3						
Capacity Module:																				
Cnflict Vol:	25	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		105	90		31						
Potent Cap.:	1603	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		898	804		1049						
Move Cap.:	1603	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		890	795		1049						
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx		0.21	0.00		0.01						
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx		0.0							
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx		8.5							
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*		A							
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT					
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		890	xxxx	xxxxx							
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.8	xxxx	xxxxx							
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		10.1	xxxx	xxxxx							
Shared LOS:	A	*	*	*	*	*	*	*	*		B	*	*							
ApproachDel:	xxxxxx			xxxxxx			xxxxxx				10.1									
ApproachLOS:	*			*			*				B									

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

Average Delay (sec/veh): 5.3 Worst Case Level Of Service: B[11.2]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	21	40	18	53	0	10	1	10	0	0	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	0	21	40	18	53	0	10	1	10	0	0	0								
Added Vol:	0	6	16	0	165	0	0	0	240	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	0	27	56	18	218	0	10	1	250	0	0	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	0	27	56	18	218	0	10	1	250	0	0	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	0	27	56	18	218	0	10	1	250	0	0	0								
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	6.4	6.5	6.2	xxxxx	xxxx	xxxxx								
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx								
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	27	xxxx	xxxxx	309	281	218	xxxx	xxxx	xxxxx								
Potent Cap.:	xxxx	xxxx	xxxxx	1600	xxxx	xxxxx	687	631	827	xxxx	xxxx	xxxxx								
Move Cap.:	xxxx	xxxx	xxxxx	1600	xxxx	xxxxx	682	624	827	xxxx	xxxx	xxxxx								
Volume/Cap:	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	0.01	0.00	0.30	xxxx	xxxx	xxxx								
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	1.3	xxxxx	xxxx	xxxxx								
Stopped Del:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	xxxxx	xxxx	11.2	xxxxx	xxxx	xxxxx								
LOS by Move:	*	*	*	A	*	*	*	*	B	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	676	xxxx	xxxxx	xxxx	xxxx	xxxxx								
SharedQueue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	10.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	*	*	*	A	*	*	B	*	*	*	*	*								
ApproachDel:	xxxxxx			xxxxxx			11.2			xxxxxx										
ApproachLOS:	*			*			B			*										

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #3 SR-78/22nd Ave

Average Delay (sec/veh): 0.2 Worst Case Level Of Service: B[13.1]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Stop Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1!	0	0		0	0	1!	0	0		0	0	1!	0	0		0	1	0	0	0	
Volume Module:																								
Base Vol:	1	64		4			1	46		1			1	2		1			3	1		0		
Growth Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00		
Initial Bse:	1	64		4			1	46		1			1	2		1			3	1		0		
Added Vol:	0	22		0			0	404		0			0	0		0			0	0		0		
PasserByVol:	0	0		0			0	0		0			0	0		0			0	0		0		
Initial Fut:	1	86		4			1	450		1			1	2		1			3	1		0		
User Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00		
PHF Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00			1.00	1.00		1.00		
PHF Volume:	1	86		4			1	450		1			1	2		1			3	1		0		
Reduct Vol:	0	0		0			0	0		0			0	0		0			0	0		0		
Final Vol.:	1	86		4			1	450		1			1	2		1			3	1		0		
Critical Gap Module:																								
Critical Gp:	4.1	xxxx	xxxxx				4.1	xxxx	xxxxx				7.1	6.5		6.2			7.1	6.5		xxxxx		
FollowUpTim:	2.2	xxxx	xxxxx				2.2	xxxx	xxxxx				3.5	4.0		3.3			3.5	4.0		xxxxx		
Capacity Module:																								
Cnflict Vol:	451	xxxx	xxxxx				90	xxxx	xxxxx				543	545		451			544	543		xxxxx		
Potent Cap.:	1120	xxxx	xxxxx				1518	xxxx	xxxxx				454	449		613			453	450		xxxxx		
Move Cap.:	1120	xxxx	xxxxx				1518	xxxx	xxxxx				452	448		613			450	449		xxxxx		
Volume/Cap:	0.00	xxxx	xxxx				0.00	xxxx	xxxx				0.00	0.00		0.00			0.01	0.00		xxxx		
Level Of Service Module:																								
Queue:	0.0	xxxx	xxxxx				0.0	xxxx	xxxxx				xxxxx	xxxx		xxxxx			xxxxx	xxxx		xxxxx		
Stopped Del:	8.2	xxxx	xxxxx				7.4	xxxx	xxxxx				xxxxx	xxxx		xxxxx			xxxxx	xxxx		xxxxx		
LOS by Move:	A	*	*				A	*	*				*	*		*			*	*		*		
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx	xxxxx				xxxx	xxxx	xxxxx				xxxx	482		xxxxx			450	xxxx		xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx	0.0		xxxxx			0.0	xxxx		xxxxx		
Shrd StpDel:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx	12.5		xxxxx			13.1	xxxx		xxxxx		
Shared LOS:	*	*	*				*	*	*				*	B		*			B	*		*		
ApproachDel:	xxxxxx						xxxxxx						12.5						13.1					
ApproachLOS:	*						*						B						B					

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.554
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 12.5
Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0	0	0	1	0	0	0	1!	0	0	0	1!	0	0	0	1!
Volume Module:																
Base Vol:	0	19	6		3	9	17		15	0	1		4	10	6	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	19	6		3	9	17		15	0	1		4	10	6	
Added Vol:	0	0	0		0	0	404		22	0	0		0	360	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	19	6		3	9	421		37	0	1		4	370	6	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	19	6		3	9	421		37	0	1		4	370	6	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	19	6		3	9	421		37	0	1		4	370	6	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	19	6		3	9	421		37	0	1		4	370	6	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	0.76	0.24		0.01	0.02	0.97		0.97	0.00	0.03		0.01	0.97	0.02	
Final Sat.:	0	461	146		5	16	759		565	0	15		7	674	11	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.04	0.04		0.55	0.55	0.55		0.07	xxxx	0.07		0.55	0.55	0.55	
Crit Moves:		****					****		****						****	
Delay/Veh:	0.0	8.6	8.6		12.3	12.3	12.3		9.0	0.0	9.0		13.4	13.4	13.4	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	8.6	8.6		12.3	12.3	12.3		9.0	0.0	9.0		13.4	13.4	13.4	
LOS by Move:	*	A	A		B	B	B		A	*	A		B	B	B	
ApproachDel:		8.6				12.3				9.0				13.4		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		8.6				12.3				9.0				13.4		
LOS by Appr:		A				B				A				B		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.930
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 34.7
Optimal Cycle: 0 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 1 0 0 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	15	8	1	11	0	0	0	0	21	1	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	15	8	1	11	0	0	0	0	21	1	1
Added Vol:	0	0	22	0	0	0	0	0	0	764	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	15	30	1	11	0	0	0	0	785	1	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	15	30	1	11	0	0	0	0	785	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	15	30	1	11	0	0	0	0	785	1	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	15	30	1	11	0	0	0	0	785	1	1
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.33	0.67	0.08	0.92	0.00	0.00	1.00	0.00	0.99	0.01	0.01
Final Sat.:	0	223	446	51	564	0	0	0	0	844	1	1
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.07	0.07	0.02	0.02	xxxx	xxxx	xxxx	xxxx	0.93	0.93	0.93
Crit Moves:		****			****						****	
Delay/Veh:	0.0	8.6	8.6	8.8	8.8	0.0	0.0	0.0	0.0	36.5	36.5	36.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	8.6	8.6	8.8	8.8	0.0	0.0	0.0	0.0	36.5	36.5	36.5
LOS by Move:	*	A	A	A	A	*	*	*	*	E	E	E
ApproachDel:		8.6			8.8			xxxxxx			36.5	
Delay Adj:		1.00			1.00			xxxxx			1.00	
ApprAdjDel:		8.6			8.8			xxxxxx			36.5	
LOS by Appr:		A			A			*			E	

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 0	1 0		0 0 1!	0 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	38	0	0	37	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	38	0	0	37	0	0	0	0	0	0	0
Added Vol:	0	22	0	0	404	360	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	60	0	0	441	360	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	60	0	0	441	360	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	60	0	0	441	360	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 SR-78/34th Avenue

Average Delay (sec/veh): 1.0 Worst Case Level Of Service: B[10.9]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Yield Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1!	0	0
Volume Module:																				
Base Vol:	0	42	0	0	30	2	0	0	0	0	0	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	0	42	0	0	30	2	0	0	0	0	0	0								
Added Vol:	38	0	0	0	0	404	22	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	38	42	0	0	30	406	22	0	0	0	0	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	38	42	0	0	30	406	22	0	0	0	0	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	38	42	0	0	30	406	22	0	0	0	0	0								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Capacity Module:																				
Cnflict Vol:	436	xxxx	xxxxx	xxxx	xxxx	xxxxx	351	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Potent Cap.:	1134	xxxx	xxxxx	xxxx	xxxx	xxxxx	650	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Move Cap.:	1134	xxxx	xxxxx	xxxx	xxxx	xxxxx	633	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Volume/Cap:	0.03	xxxx	xxxx	xxxx	xxxx	xxxx	0.03	xxxx	xxxx	xxxx	xxxx	xxxx								
Level Of Service Module:																				
Queue:	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	8.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	10.9	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	A	*	*	*	*	*	B	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx		0	xxxxx							
SharedQueue:	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	8.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	*	*	*	*	*								
ApproachDel:	xxxxxx			xxxxxx			10.9			xxxxxx										
ApproachLOS:	*			*			B			*										

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.201
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 14.4
Optimal Cycle: 18 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 2	0 0		0 0 1	1 0		0 0 0	0 0		0 1 0	0 1	
Volume Module:												
Base Vol:	31	189	0	0	203	96	0	0	0	49	11	84
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	31	189	0	0	203	96	0	0	0	49	11	84
Added Vol:	0	0	0	0	19	19	0	0	0	114	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	31	189	0	0	222	115	0	0	0	163	11	84
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	31	189	0	0	222	115	0	0	0	163	11	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	189	0	0	222	115	0	0	0	163	11	84
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	31	189	0	0	222	115	0	0	0	163	11	84
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.48	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.85	0.85	0.85
Lanes:	1.00	2.00	0.00	0.00	1.32	0.68	0.00	0.00	0.00	0.94	0.06	1.00
Final Sat.:	906	3610	0	0	2376	1231	0	0	0	1513	102	1615
Capacity Analysis Module:												
Vol/Sat:	0.03	0.05	0.00	0.00	0.09	0.09	0.00	0.00	0.00	0.11	0.11	0.05
Crit Moves:					****						****	
Green/Cycle:	0.46	0.46	0.00	0.00	0.46	0.46	0.00	0.00	0.00	0.54	0.54	0.54
Volume/Cap:	0.07	0.11	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.20	0.20	0.10
Delay/Veh:	14.9	15.2	0.0	0.0	15.9	15.9	0.0	0.0	0.0	12.2	12.2	11.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	14.9	15.2	0.0	0.0	15.9	15.9	0.0	0.0	0.0	12.2	12.2	11.4
AustraQueue:	0	3	0	0	4	2	0	0	0	2	0	1

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.259
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 17.4
Optimal Cycle: 19 Level Of Service: B

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Permitted						Permitted						Permitted						Permitted					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	1	0		1	0	2	0	0		0	1	0	1	0		0	0	0	0	0	
Volume Module:																								
Base Vol:	0	162		36		94	162		0		60		13		24		0		0		0			
Growth Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00			
Initial Bse:	0	162		36		94	162		0		60		13		24		0		0		0			
Added Vol:	0	0		0		0	133		0		0		0		227		0		0		0			
PasserByVol:	0	0		0		0	0		0		0		0		0		0		0		0			
Initial Fut:	0	162		36		94	295		0		60		13		251		0		0		0			
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00			
PHF Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00			
PHF Volume:	0	162		36		94	295		0		60		13		251		0		0		0			
Reduct Vol:	0	0		0		0	0		0		0		0		0		0		0		0			
Reduced Vol:	0	162		36		94	295		0		60		13		251		0		0		0			
PCE Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00			
MLF Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00			
Final Vol.:	0	162		36		94	295		0		60		13		251		0		0		0			
Saturation Flow Module:																								
Sat/Lane:	1900	1900		1900		1900	1900		1900		1900		1900		1900		1900		1900		1900			
Adjustment:	1.00	0.97		0.97		0.55	0.95		1.00		0.78		0.78		0.78		1.00		1.00		1.00			
Lanes:	0.00	1.64		0.36		1.00	2.00		0.00		0.82		0.18		1.00		0.00		0.00		0.00			
Final Sat.:	0	3025		672		1043	3610		0		1220		264		1485		0		0		0			
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.05		0.05		0.09	0.08		0.00		0.05		0.05		0.17		0.00		0.00		0.00			
Crit Moves:						****									****									
Green/Cycle:	0.00	0.35		0.35		0.35	0.35		0.00		0.65		0.65		0.65		0.00		0.00		0.00			
Volume/Cap:	0.00	0.15		0.15		0.26	0.24		0.00		0.08		0.08		0.26		0.00		0.00		0.00			
Delay/Veh:	0.0	22.5		22.5		23.8	23.3		0.0		6.4		6.4		7.4		0.0		0.0		0.0			
User DelAdj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00			
AdjDel/Veh:	0.0	22.5		22.5		23.8	23.3		0.0		6.4		6.4		7.4		0.0		0.0		0.0			
AustraQueue:	0	3		1		2	6		0		1		0		3		0		0		0			

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.575
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 11.9
Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	0	44	15		78	45	12		16	16	0		13	8	81	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	44	15		78	45	12		16	16	0		13	8	81	
Added Vol:	0	0	0		0	360	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	44	15		78	405	12		16	16	0		13	8	81	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	44	15		78	405	12		16	16	0		13	8	81	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	44	15		78	405	12		16	16	0		13	8	81	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	44	15		78	405	12		16	16	0		13	8	81	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	1.00	1.00		1.00	1.00	1.00		0.50	0.50	1.00		1.00	1.00	1.00	
Final Sat.:	0	642	732		638	704	810		268	268	0		512	551	619	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.07	0.02		0.12	0.58	0.01		0.06	0.06	xxxx		0.03	0.01	0.13	
Crit Moves:		****				****				****					****	
Delay/Veh:	0.0	8.4	7.4		9.0	14.2	7.1		9.3	9.3	0.0		9.4	8.8	8.8	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	8.4	7.4		9.0	14.2	7.1		9.3	9.3	0.0		9.4	8.8	8.8	
LOS by Move:	*	A	A		A	B	A		A	A	*		A	A	A	
ApproachDel:		8.2				13.2				9.3				8.9		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		8.2				13.2				9.3				8.9		
LOS by Appr:		A				B				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term AM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.269
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.8
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 1	0 0	1	0 1	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module:												
Base Vol:	2	41	2	11	36	4	9	12	3	8	6	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	41	2	11	36	4	9	12	3	8	6	10
Added Vol:	0	0	0	0	360	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	41	2	11	396	4	9	12	3	8	6	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	41	2	11	396	4	9	12	3	8	6	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	41	2	11	396	4	9	12	3	8	6	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	2	41	2	11	396	4	9	12	3	8	6	10
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.95	1.00	0.05	1.93	0.02	0.37	0.50	0.13	0.33	0.25	0.42
Final Sat.:	33	680	830	41	1481	15	261	348	87	240	180	300
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.00	0.27	0.27	0.27	0.03	0.03	0.03	0.03	0.03	0.03
Crit Moves:		****		****				****			****	
Delay/Veh:	8.0	8.0	7.0	9.1	9.0	9.0	8.0	8.0	8.0	7.8	7.8	7.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.0	8.0	7.0	9.1	9.0	9.0	8.0	8.0	8.0	7.8	7.8	7.8
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.9			9.0			8.0			7.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.9			9.0			8.0			7.8		
LOS by Appr:	A			A			A			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 6.3 Worst Case Level Of Service: B[13.3]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	2	62	0	0	39	3	0	0	0	37	1	9								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	62	0	0	39	3	0	0	0	37	1	9								
Added Vol:	233	0	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	235	62	0	0	39	3	0	0	0	37	1	9								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	235	62	0	0	39	3	0	0	0	37	1	9								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	235	62	0	0	39	3	0	0	0	37	1	9								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	6.5	6.2								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	4.0	3.3								
Capacity Module:																				
Cnflict Vol:	39	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	572	571	62								
Potent Cap.:	1584	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	485	434	1009								
Move Cap.:	1584	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	421	360	1009								
Volume/Cap:	0.15	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.09	0.00	0.01								
Level Of Service Module:																				
Queue:	0.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0								
Stopped Del:	7.7	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	8.6								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	A								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT					
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	419	xxxx	xxxxx								
SharedQueue:	0.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.3	xxxx	xxxxx								
Shrd StpDel:	7.7	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	14.4	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	*	*	B	*	*								
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			13.3										
ApproachLOS:	*			*			*			B										

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

Average Delay (sec/veh): 1.0 Worst Case Level Of Service: B[11.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	28	39			8	68		0		36		2		11	0		0		0
Growth Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
Initial Bse:	0	28	39			8	68		0		36		2		11	0		0		0
Added Vol:	0	233	149			0	0		0		0		0		0	0		0		0
PasserByVol:	0	0	0			0	0		0		0		0		0	0		0		0
Initial Fut:	0	261	188			8	68		0		36		2		11	0		0		0
User Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
PHF Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
PHF Volume:	0	261	188			8	68		0		36		2		11	0		0		0
Reduct Vol:	0	0	0			0	0		0		0		0		0	0		0		0
Final Vol.:	0	261	188			8	68		0		36		2		11	0		0		0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx			4.1	xxxx	xxxxx			6.4		6.5		6.2	xxxxx	xxxx	xxxxx		
FollowUpTim:	xxxxx	xxxx	xxxxx			2.2	xxxx	xxxxx			3.5		4.0		3.3	xxxxx	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx			261	xxxx	xxxxx			439		345		68	xxxx	xxxx	xxxxx		
Potent Cap.:	xxxx	xxxx	xxxxx			1315	xxxx	xxxxx			579		581		1001	xxxx	xxxx	xxxxx		
Move Cap.:	xxxx	xxxx	xxxxx			1315	xxxx	xxxxx			576		578		1001	xxxx	xxxx	xxxxx		
Volume/Cap:	xxxx	xxxx	xxxx			0.01	xxxx	xxxx			0.06		0.00		0.01	xxxx	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			0.0	xxxx	xxxxx	xxxxx	xxxx					0.0	xxxxx	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx			7.8	xxxx	xxxxx	xxxxx	xxxx					8.6	xxxxx	xxxx	xxxxx		
LOS by Move:	*	*	*			A	*	*	*	*					A	*	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			576	xxxx	xxxxx			xxxx	xxxx	xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx			0.0	xxxx	xxxxx			0.2	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shrd StpDel:	xxxxx	xxxx	xxxxx			7.8	xxxx	xxxxx			11.7	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shared LOS:	*	*	*			A	*	*			B	*	*			*	*	*		
ApproachDel:	xxxxxx					xxxxxx					11.0					xxxxxx				
ApproachLOS:	*					*					B					*				

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #3 SR-78/22nd Ave

Average Delay (sec/veh): 0.2 Worst Case Level Of Service: B[12.6]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	1!	0	0	0	1	0	0	0
Volume Module:																				
Base Vol:	2	56	0	0	65	2	1	0	1	3	1	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	56	0	0	65	2	1	0	1	3	1	0								
Added Vol:	0	382	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	2	438	0	0	65	2	1	0	1	3	1	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	2	438	0	0	65	2	1	0	1	3	1	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	2	438	0	0	65	2	1	0	1	3	1	0								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.1	xxxx	6.2	7.1	6.5	xxxxx								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	3.5	4.0	xxxxx								
Capacity Module:																				
Cnflict Vol:	67	xxxx	xxxxx	xxxx	xxxx	xxxxx	509	xxxx	66	509	509	xxxxx								
Potent Cap.:	1547	xxxx	xxxxx	xxxx	xxxx	xxxxx	478	xxxx	1003	478	470	xxxxx								
Move Cap.:	1547	xxxx	xxxxx	xxxx	xxxx	xxxxx	477	xxxx	1003	477	469	xxxxx								
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	xxxx	0.00	0.01	0.00	xxxx								
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	647	xxxxx	475	xxxx	xxxxx								
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	0.0	xxxx	xxxxx								
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	10.6	xxxxx	12.6	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	B	*	B	*	*								
ApproachDel:	xxxxxx			xxxxxx				10.6			12.6									
ApproachLOS:	*			*				B			B									

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.907
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 29.9
Optimal Cycle: 0 Level Of Service: D

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 0	0 1	0		0 0	1! 0	0		0 1	0 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	0	24	10		2	21	22		22	4	0		9	3	8	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	24	10		2	21	22		22	4	0		9	3	8	
Added Vol:	0	0	0		0	0	0		382	360	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	24	10		2	21	22		404	364	0		9	3	8	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	24	10		2	21	22		404	364	0		9	3	8	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	24	10		2	21	22		404	364	0		9	3	8	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	24	10		2	21	22		404	364	0		9	3	8	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	0.71	0.29		0.04	0.47	0.49		0.53	0.47	0.00		0.45	0.15	0.40	
Final Sat.:	0	445	185		29	301	315		445	401	0		333	111	296	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.05	0.05		0.07	0.07	0.07		0.91	0.91	xxxx		0.03	0.03	0.03	
Crit Moves:		****				****				****				****		
Delay/Veh:	0.0	8.8	8.8		8.8	8.8	8.8		32.7	32.7	0.0		7.8	7.8	7.8	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	8.8	8.8		8.8	8.8	8.8		32.7	32.7	0.0		7.8	7.8	7.8	
LOS by Move:	*	A	A		A	A	A		D	D	*		A	A	A	
ApproachDel:		8.8				8.8				32.7				7.8		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		8.8				8.8				32.7				7.8		
LOS by Appr:		A				A				D				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.727
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 14.4
Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0
Volume Module:																
Base Vol:	0	9	18		1	17	0		2	0	0		23	0	0	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	9	18		1	17	0		2	0	0		23	0	0	
Added Vol:	0	0	742		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	9	760		1	17	0		2	0	0		23	0	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	9	760		1	17	0		2	0	0		23	0	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	9	760		1	17	0		2	0	0		23	0	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	9	760		1	17	0		2	0	0		23	0	0	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	0.01	0.99		0.06	0.94	0.00		1.00	0.00	0.00		1.00	0.00	0.00	
Final Sat.:	0	12	1046		42	719	0		596	0	0		600	0	0	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.73	0.73		0.02	0.02	xxxx		0.00	xxxx	xxxx		0.04	xxxx	xxxx	
Crit Moves:			****			****			****				****			
Delay/Veh:	0.0	14.8	14.8		7.7	7.7	0.0		8.5	0.0	0.0		8.7	0.0	0.0	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	14.8	14.8		7.7	7.7	0.0		8.5	0.0	0.0		8.7	0.0	0.0	
LOS by Move:	*	B	B		A	A	*		A	*	*		A	*	*	
ApproachDel:		14.8				7.7				8.5				8.7		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		14.8				7.7				8.5				8.7		
LOS by Appr:		B				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 9.6 Worst Case Level Of Service: C[21.9]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Stop Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1	0	0		0	0	1	0	0		1	0	0	0	0		0	0	0	0	0	
Volume Module:																								
Base Vol:	0	29		0		0	0	46		0		0	0		0		0		0		0		0	
Growth Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
Initial Bse:	0	29		0		0	0	46		0		0	0		0		0		0		0		0	
Added Vol:	0	382		0		0	0	0		0		0	360		0		0		0		0		0	
PasserByVol:	0	0		0		0	0	0		0		0	0		0		0		0		0		0	
Initial Fut:	0	411		0		0	0	46		0		0	360		0		0		0		0		0	
User Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
PHF Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
PHF Volume:	0	411		0		0	0	46		0		0	360		0		0		0		0		0	
Reduct Vol:	0	0		0		0	0	0		0		0	0		0		0		0		0		0	
Final Vol.:	0	411		0		0	0	46		0		0	360		0		0		0		0		0	
Critical Gap Module:																								
Critical Gp:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx				6.4	xxxx		xxxxx		xxxxx	xxxx		xxxxx			
FollowUpTim:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx				3.5	xxxx		xxxxx		xxxxx	xxxx		xxxxx			
Capacity Module:																								
Cnflict Vol:	xxxx	xxxx		xxxxx			xxxx	xxxx		xxxxx			457	xxxx		xxxxx			xxxx	xxxx		xxxxx		
Potent Cap.:	xxxx	xxxx		xxxxx			xxxx	xxxx		xxxxx			565	xxxx		xxxxx			xxxx	xxxx		xxxxx		
Move Cap.:	xxxx	xxxx		xxxxx			xxxx	xxxx		xxxxx			565	xxxx		xxxxx			xxxx	xxxx		xxxxx		
Volume/Cap:	xxxx	xxxx		xxxx			xxxx	xxxx		xxxx			0.64	xxxx		xxxx			xxxx	xxxx		xxxx		
Level Of Service Module:																								
Queue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx				4.5	xxxx		xxxxx		xxxxx	xxxx		xxxxx			
Stopped Del:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx				21.9	xxxx		xxxxx		xxxxx	xxxx		xxxxx			
LOS by Move:	*	*		*		*	*		*				C	*		*		*	*		*			
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx		xxxxx			xxxx	xxxx		xxxxx			xxxx	xxxx		xxxxx			xxxx	xxxx		xxxxx		
SharedQueue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx				xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx			
Shrd StpDel:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx				xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx			
Shared LOS:	*	*		*		*	*		*				*	*		*		*	*		*			
ApproachDel:	xxxxxx						xxxxxx							21.9					xxxxxx					
ApproachLOS:	*						*							C					*					

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 SR-78/34th Avenue

Average Delay (sec/veh): 10.0 Worst Case Level Of Service: B[12.0]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Yield Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1	0	0		0	0	1	0	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module:																								
Base Vol:	0	39		0		0	0	44		0		0	0		0		0		0		0		0	
Growth Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
Initial Bse:	0	39		0		0	0	44		0		0	0		0		0		0		0		0	
Added Vol:	0	0		0		0	0	0		0		0	382		0		38		0		0		0	
PasserByVol:	0	0		0		0	0	0		0		0	0		0		0		0		0		0	
Initial Fut:	0	39		0		0	0	44		0		0	382		0		38		0		0		0	
User Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
PHF Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
PHF Volume:	0	39		0		0	0	44		0		0	382		0		38		0		0		0	
Reduct Vol:	0	0		0		0	0	0		0		0	0		0		0		0		0		0	
Final Vol.:	0	39		0		0	0	44		0		0	382		0		38		0		0		0	
Critical Gap Module:																								
Critical Gp:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx					6.4	xxxx			6.2		xxxxx	xxxx			xxxxx	
FollowUpTim:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx					3.5	xxxx			3.3		xxxxx	xxxx			xxxxx	
Capacity Module:																								
Cnflict Vol:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx					83	xxxx			44		xxxx	xxxx			xxxxx	
Potent Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx					924	xxxx			1032		xxxx	xxxx			xxxxx	
Move Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx					924	xxxx			1032		xxxx	xxxx			xxxxx	
Volume/Cap:	xxxx	xxxx		xxxx		xxxx	xxxx	xxxx					0.41	xxxx			0.04		xxxx	xxxx			xxxx	
Level Of Service Module:																								
Queue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx					xxxxx	xxxx			xxxxx		xxxxx	xxxx			xxxxx	
Stopped Del:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx					xxxxx	xxxx			xxxxx		xxxxx	xxxx			xxxxx	
LOS by Move:	*	*		*		*	*	*					*	*			*		*	*			*	
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx					xxxx	933			xxxxx		xxxx	0			xxxxx	
SharedQueue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx					xxxxx	2.4			xxxxx		xxxxx	xxxx			xxxxx	
Shrd StpDel:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx					xxxxx	12.0			xxxxx		xxxxx	xxxx			xxxxx	
Shared LOS:	*	*		*		*	*	*					*	B			*		*	*			*	
ApproachDel:	xxxxxx						xxxxxx							12.0					xxxxxx					
ApproachLOS:	*						*							B					*					

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.292
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 6.6
Optimal Cycle: 20 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Permitted				Permitted				Permitted				Permitted			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0 2	0	0	0	0 1	1	0	0	0 0	0	0	0	1 0	0	1
Volume Module:																
Base Vol:	23	300	0	0	270	45	0	0	0	51	13	81				
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Initial Bse:	23	300	0	0	270	45	0	0	0	51	13	81				
Added Vol:	227	38	0	0	0	0	0	0	0	0	0	0				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	250	338	0	0	270	45	0	0	0	51	13	81				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Volume:	250	338	0	0	270	45	0	0	0	51	13	81				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	250	338	0	0	270	45	0	0	0	51	13	81				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	250	338	0	0	270	45	0	0	0	51	13	81				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900				
Adjustment:	0.54	0.95	1.00	1.00	0.98	0.98	1.00	1.00	1.00	0.85	0.85	0.85				
Lanes:	1.00	2.00	0.00	0.00	1.71	0.29	0.00	0.00	0.00	0.80	0.20	1.00				
Final Sat.:	1034	3610	0	0	3189	531	0	0	0	1287	328	1615				
Capacity Analysis Module:																
Vol/Sat:	0.24	0.09	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.04	0.04	0.05				
Crit Moves:	****											****				
Green/Cycle:	0.83	0.83	0.00	0.00	0.83	0.83	0.00	0.00	0.00	0.17	0.17	0.17				
Volume/Cap:	0.29	0.11	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.23	0.23	0.29				
Delay/Veh:	2.1	1.6	0.0	0.0	1.6	1.6	0.0	0.0	0.0	36.1	36.1	36.7				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	2.1	1.6	0.0	0.0	1.6	1.6	0.0	0.0	0.0	36.1	36.1	36.7				
AustraQueue:	2	2	0	0	1	0	0	0	0	1	0	2				

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.261
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 9.0
Optimal Cycle: 19 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 1	1 0		1 0 2	0 0		0 1 0	1 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	215	59	131	192	0	111	30	55	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	215	59	131	192	0	111	30	55	0	0	0
Added Vol:	0	246	114	0	0	0	19	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	461	173	131	192	0	130	30	55	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	461	173	131	192	0	130	30	55	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	461	173	131	192	0	130	30	55	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	461	173	131	192	0	130	30	55	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.96	0.96	0.37	0.95	1.00	0.93	0.93	0.93	1.00	1.00	1.00
Lanes:	0.00	1.45	0.55	1.00	2.00	0.00	1.00	0.35	0.65	0.00	0.00	0.00
Final Sat.:	0	2650	994	701	3610	0	1758	621	1138	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.17	0.17	0.19	0.05	0.00	0.07	0.05	0.05	0.00	0.00	0.00
Crit Moves:				****			****					
Green/Cycle:	0.00	0.72	0.72	0.72	0.72	0.00	0.28	0.28	0.28	0.00	0.00	0.00
Volume/Cap:	0.00	0.24	0.24	0.26	0.07	0.00	0.26	0.17	0.17	0.00	0.00	0.00
Delay/Veh:	0.0	4.9	4.9	5.2	4.3	0.0	27.9	27.0	27.0	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	4.9	4.9	5.2	4.3	0.0	27.9	27.0	27.0	0.0	0.0	0.0
AustraQueue:	0	4	2	1	2	0	3	1	1	0	0	0

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.594
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 12.3
Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	8	52	19		67	55	18		15	14	1		9	16	73	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	8	52	19		67	55	18		15	14	1		9	16	73	
Added Vol:	0	360	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	8	412	19		67	55	18		15	14	1		9	16	73	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	8	412	19		67	55	18		15	14	1		9	16	73	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	8	412	19		67	55	18		15	14	1		9	16	73	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	8	412	19		67	55	18		15	14	1		9	16	73	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.02	0.98	1.00		1.00	1.00	1.00		0.52	0.48	1.00		1.00	1.00	1.00	
Final Sat.:	13	694	813		554	599	676		271	253	609		501	538	603	
Capacity Analysis Module:																
Vol/Sat:	0.59	0.59	0.02		0.12	0.09	0.03		0.06	0.06	0.00		0.02	0.03	0.12	
Crit Moves:		****			****					****					****	
Delay/Veh:	14.6	14.6	7.1		9.8	9.1	7.9		9.4	9.4	8.1		9.5	9.0	8.8	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	14.6	14.6	7.1		9.8	9.1	7.9		9.4	9.4	8.1		9.5	9.0	8.8	
LOS by Move:	B	B	A		A	A	A		A	A	A		A	A	A	
ApproachDel:		14.3				9.3				9.3				8.9		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		14.3				9.3				9.3				8.9		
LOS by Appr:		B				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Near Term PM Peak Hour Conditions - with Peak Project Construction

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.503
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 11.1
Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		0 1	0 1	0		0 0	1! 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	2	28	4		9	32	3		5	9	5		3	6	10	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	2	28	4		9	32	3		5	9	5		3	6	10	
Added Vol:	0	360	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	2	388	4		9	32	3		5	9	5		3	6	10	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	2	388	4		9	32	3		5	9	5		3	6	10	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	2	388	4		9	32	3		5	9	5		3	6	10	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	2	388	4		9	32	3		5	9	5		3	6	10	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.01	0.99	1.00		0.41	1.45	0.14		0.26	0.48	0.26		0.16	0.31	0.53	
Final Sat.:	4	771	912		287	1059	102		181	325	181		112	224	374	
Capacity Analysis Module:																
Vol/Sat:	0.50	0.50	0.00		0.03	0.03	0.03		0.03	0.03	0.03		0.03	0.03	0.03	
Crit Moves:		****			****					****					****	
Delay/Veh:	11.9	11.9	6.6		7.9	7.7	7.6		8.0	8.0	8.0		7.8	7.8	7.8	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	11.9	11.9	6.6		7.9	7.7	7.6		8.0	8.0	8.0		7.8	7.8	7.8	
LOS by Move:	B	B	A		A	A	A		A	A	A		A	A	A	
ApproachDel:		11.8				7.8				8.0				7.8		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		11.8				7.8				8.0				7.8		
LOS by Appr:		B				A				A				A		

2016 Baseline Condition

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

****

Average Delay (sec/veh): 2.7 Worst Case Level Of Service: A[9.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	11	32	0	0		25	31		0		0	0		0		22	1		7	
Growth Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
Initial Bse:	11	32	0	0		25	31		0		0	0		0		22	1		7	
Added Vol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
PasserByVol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Initial Fut:	11	32	0	0		25	31		0		0	0		0		22	1		7	
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Volume:	11	32	0	0		25	31		0		0	0		0		22	1		7	
Reduct Vol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Final Vol.:	11	32	0	0		25	31		0		0	0		0		22	1		7	
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		6.4	6.5		6.2						
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		3.5	4.0		3.3						
Capacity Module:																				
Cnflict Vol:	25	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		94	79		32						
Potent Cap.:	1603	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		910	815		1048						
Move Cap.:	1603	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		905	809		1048						
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx		0.02	0.00		0.01						
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx		0.0							
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx		8.5							
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*		A							
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT					
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		901	xxxx	xxxxx							
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.1	xxxx	xxxxx							
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.1	xxxx	xxxxx							
Shared LOS:	A	*	*	*	*	*	*	*	*		A	*	*							
ApproachDel:	xxxxxx			xxxxxx			xxxxxx				9.0									
ApproachLOS:	*			*			*				A									

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

****

Average Delay (sec/veh): 2.1 Worst Case Level Of Service: A[9.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	21	41	19	54	0	10	1	10	0	0	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	0	21	41	19	54	0	10	1	10	0	0	0								
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	0	21	41	19	54	0	10	1	10	0	0	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	0	21	41	19	54	0	10	1	10	0	0	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	0	21	41	19	54	0	10	1	10	0	0	0								
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	6.4	6.5	6.2	xxxxx	xxxx	xxxxx								
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx								
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	21	xxxx	xxxxx	134	113	54	xxxx	xxxx	xxxxx								
Potent Cap.:	xxxx	xxxx	xxxxx	1608	xxxx	xxxxx	865	781	1019	xxxx	xxxx	xxxxx								
Move Cap.:	xxxx	xxxx	xxxxx	1608	xxxx	xxxxx	857	772	1019	xxxx	xxxx	xxxxx								
Volume/Cap:	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	0.01	0.00	0.01	xxxx	xxxx	xxxx								
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	0.0	xxxxx	xxxx	xxxxx								
Stopped Del:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	xxxxx	xxxx	8.6	xxxxx	xxxx	xxxxx								
LOS by Move:	*	*	*	A	*	*	*	*	A	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	849	xxxx	xxxxx	xxxx	xxxx	xxxxx								
SharedQueue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	9.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	*	*	*	A	*	*	A	*	*	*	*	*								
ApproachDel:	xxxxxx			xxxxxx			9.0			xxxxxx										
ApproachLOS:	*			*			A			*										

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #3 SR-78/22nd Ave

****

Average Delay (sec/veh): 0.7 Worst Case Level Of Service: A[9.3]

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1! 0 0			0 0 1! 0 0			0 0 1! 0 0			0 1 0 0 0		
Volume Module:												
Base Vol:	1	65	4	1	47	1	1	2	1	3	1	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	65	4	1	47	1	1	2	1	3	1	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	65	4	1	47	1	1	2	1	3	1	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	65	4	1	47	1	1	2	1	3	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	1	65	4	1	47	1	1	2	1	3	1	0
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	xxxxx
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	xxxxx
Capacity Module:												
Cnflict Vol:	48	xxxx	xxxxx	69	xxxx	xxxxx	119	121	48	120	119	xxxxx
Potent Cap.:	1572	xxxx	xxxxx	1545	xxxx	xxxxx	861	774	1027	860	775	xxxxx
Move Cap.:	1572	xxxx	xxxxx	1545	xxxx	xxxxx	860	773	1027	857	774	xxxxx
Volume/Cap:	0.00	xxxx	xxxx	0.00	xxxx	xxxx	0.00	0.00	0.00	0.00	0.00	xxxx
Level Of Service Module:												
Queue:	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	7.3	xxxx	xxxxx	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	846	xxxxx	834	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	0.0	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	9.3	xxxxx	9.3	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	A	*	A	*	*
ApproachDel:	xxxxxx			xxxxxx			9.3			9.3		
ApproachLOS:	*			*			A			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.031
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 6.9
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0	0	0	1	0	0	0	1!	0	0	0	1!	0	0	0	1!
Volume Module:																
Base Vol:	0	20	7		3	9	18		15	0	1		4	10	7	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	20	7		3	9	18		15	0	1		4	10	7	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	20	7		3	9	18		15	0	1		4	10	7	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	20	7		3	9	18		15	0	1		4	10	7	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	20	7		3	9	18		15	0	1		4	10	7	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	20	7		3	9	18		15	0	1		4	10	7	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	0.74	0.26		0.10	0.30	0.60		0.94	0.00	0.06		0.19	0.48	0.33	
Final Sat.:	0	687	240		97	292	584		797	0	53		175	438	307	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.03	0.03		0.03	0.03	0.03		0.02	xxxx	0.02		0.02	0.02	0.02	
Crit Moves:		****					****		****				****			
Delay/Veh:	0.0	7.0	7.0		6.8	6.8	6.8		7.3	0.0	7.3		7.0	7.0	7.0	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	7.0	7.0		6.8	6.8	6.8		7.3	0.0	7.3		7.0	7.0	7.0	
LOS by Move:	*	A	A		A	A	A		A	*	A		A	A	A	
ApproachDel:	7.0				6.8				7.3				7.0			
Delay Adj:	1.00				1.00				1.00				1.00			
ApprAdjDel:	7.0				6.8				7.3				7.0			
LOS by Appr:	A				A				A				A			

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.027
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 0	0 1	0		0 1	0 0	0		0 0	1! 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	0	15	8		1	11	0		0	0	0		21	1	1	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	15	8		1	11	0		0	0	0		21	1	1	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	15	8		1	11	0		0	0	0		21	1	1	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	15	8		1	11	0		0	0	0		21	1	1	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	15	8		1	11	0		0	0	0		21	1	1	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	15	8		1	11	0		0	0	0		21	1	1	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	0.65	0.35		0.08	0.92	0.00		0.00	1.00	0.00		0.92	0.04	0.04	
Final Sat.:	0	622	332		75	823	0		0	0	0		791	38	38	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.02	0.02		0.01	0.01	xxxx		xxxx	xxxx	xxxx		0.03	0.03	0.03	
Crit Moves:		****				****							****			
Delay/Veh:	0.0	6.8	6.8		7.0	7.0	0.0		0.0	0.0	0.0		7.2	7.2	7.2	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	6.8	6.8		7.0	7.0	0.0		0.0	0.0	0.0		7.2	7.2	7.2	
LOS by Move:	*	A	A		A	A	*		*	*	*		A	A	A	
ApproachDel:		6.8				7.0				xxxxxx				7.2		
Delay Adj:		1.00				1.00				xxxxx				1.00		
ApprAdjDel:		6.8				7.0				xxxxxx				7.2		
LOS by Appr:		A				A				*				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #6 SR-78/30th Avenue

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	1	0	0	0	0	1	0	0	0	0	1!	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	39		0		0	37		0		0		0		0	0		0		0
Growth Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
Initial Bse:	0	39		0		0	37		0		0		0		0	0		0		0
Added Vol:	0	0		0		0	0		0		0		0		0	0		0		0
PasserByVol:	0	0		0		0	0		0		0		0		0	0		0		0
Initial Fut:	0	39		0		0	37		0		0		0		0	0		0		0
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Volume:	0	39		0		0	37		0		0		0		0	0		0		0
Reduct Vol:	0	0		0		0	0		0		0		0		0	0		0		0
Final Vol.:	0	39		0		0	37		0		0		0		0	0		0		0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
FollowUpTim:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Potent Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Move Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Volume/Cap:	xxxx	xxxx		xxxx		xxxx	xxxx		xxxx		xxxx	xxxx		xxxx		xxxx	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Stopped Del:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
LOS by Move:	*	*		*		*	*		*		*	*		*		*	*		*	
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx		0	xxxxx		xxxx	xxxx		xxxxx	
SharedQueue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shrd StpDel:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shared LOS:	*	*		*		*	*		*		*	*		*		*	*		*	
ApproachDel:	xxxxxx					xxxxxx					xxxxxx					xxxxxx				
ApproachLOS:	*					*					*					*				

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #7 SR-78/34th Avenue

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Yield Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1	0	0		0	0	0	1	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module:																								
Base Vol:	0	43		0		0	0	31		2		0	0		0		0	0	0		0		0	0
Growth Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00
Initial Bse:	0	43		0		0	0	31		2		0	0		0		0	0	0		0		0	0
Added Vol:	0	0		0		0	0	0		0		0	0		0		0	0	0		0		0	0
PasserByVol:	0	0		0		0	0	0		0		0	0		0		0	0	0		0		0	0
Initial Fut:	0	43		0		0	0	31		2		0	0		0		0	0	0		0		0	0
User Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00
PHF Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00
PHF Volume:	0	43		0		0	0	31		2		0	0		0		0	0	0		0		0	0
Reduct Vol:	0	0		0		0	0	0		0		0	0		0		0	0	0		0		0	0
Final Vol.:	0	43		0		0	0	31		2		0	0		0		0	0	0		0		0	0
Critical Gap Module:																								
Critical Gp:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
Capacity Module:																								
Cnflict Vol:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxxx
Potent Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxxx
Move Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxxx
Volume/Cap:	xxxx	xxxx		xxxx		xxxx	xxxx	xxxx		xxxx		xxxx	xxxx		xxxx		xxxx	xxxx	xxxx		xxxx		xxxx	xxxx
Level Of Service Module:																								
Queue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
Stopped Del:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
LOS by Move:	*	*		*		*	*	*		*		*	*		*		*	*	*		*		*	*
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		0	xxxxx		xxxx		0	xxxxx						
SharedQueue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
Shared LOS:	*	*		*		*	*	*		*		*	*		*		*	*	*		*		*	*
ApproachDel:	xxxxxx						xxxxxx						xxxxxx						xxxxxx					
ApproachLOS:	*						*						*						*					

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.138
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.6
Optimal Cycle: 17 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Permitted				Permitted				Permitted				Permitted			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0 2	0	0	0	0 1	1	0	0	0 0	0	0	0	1 0	0	1
Volume Module:																
Base Vol:	32	193	0	0	207	98	0	0	0	50	11	86				
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Initial Bse:	32	193	0	0	207	98	0	0	0	50	11	86				
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	32	193	0	0	207	98	0	0	0	50	11	86				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Volume:	32	193	0	0	207	98	0	0	0	50	11	86				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	32	193	0	0	207	98	0	0	0	50	11	86				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	32	193	0	0	207	98	0	0	0	50	11	86				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900				
Adjustment:	0.53	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.85	0.85	0.85				
Lanes:	1.00	2.00	0.00	0.00	1.36	0.64	0.00	0.00	0.00	0.82	0.18	1.00				
Final Sat.:	1001	3610	0	0	2455	1162	0	0	0	1324	291	1615				
Capacity Analysis Module:																
Vol/Sat:	0.03	0.05	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.04	0.04	0.05				
Crit Moves:					****							****				
Green/Cycle:	0.61	0.61	0.00	0.00	0.61	0.61	0.00	0.00	0.00	0.39	0.39	0.39				
Volume/Cap:	0.05	0.09	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.10	0.10	0.14				
Delay/Veh:	7.8	7.9	0.0	0.0	8.2	8.2	0.0	0.0	0.0	19.6	19.6	19.9				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	7.8	7.9	0.0	0.0	8.2	8.2	0.0	0.0	0.0	19.6	19.6	19.9				
AustraQueue:	0	2	0	0	2	1	0	0	0	1	0	2				

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.119
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.4
Optimal Cycle: 16 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	-	T	- R	L	-	T	- R	L	-	T	- R	L	-	T	- R
Control:	Permitted				Permitted				Permitted				Permitted			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	1 0	1	0	2	0 0	0	1	0	1 0	0	0	0	0 0
Volume Module:																
Base Vol:	0	165	36	96	165	0	62	13	24	0	0	0				
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Initial Bse:	0	165	36	96	165	0	62	13	24	0	0	0				
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	0	165	36	96	165	0	62	13	24	0	0	0				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Volume:	0	165	36	96	165	0	62	13	24	0	0	0				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	0	165	36	96	165	0	62	13	24	0	0	0				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	0	165	36	96	165	0	62	13	24	0	0	0				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900				
Adjustment:	1.00	0.97	0.97	0.60	0.95	1.00	0.93	0.93	0.93	1.00	1.00	1.00				
Lanes:	0.00	1.64	0.36	1.00	2.00	0.00	1.00	0.35	0.65	0.00	0.00	0.00				
Final Sat.:	0	3035	662	1144	3610	0	1766	620	1145	0	0	0				
Capacity Analysis Module:																
Vol/Sat:	0.00	0.05	0.05	0.08	0.05	0.00	0.04	0.02	0.02	0.00	0.00	0.00				
Crit Moves:				****			****									
Green/Cycle:	0.00	0.71	0.71	0.71	0.71	0.00	0.29	0.29	0.29	0.00	0.00	0.00				
Volume/Cap:	0.00	0.08	0.08	0.12	0.06	0.00	0.12	0.07	0.07	0.00	0.00	0.00				
Delay/Veh:	0.0	4.6	4.6	4.8	4.6	0.0	25.8	25.4	25.4	0.0	0.0	0.0				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	0.0	4.6	4.6	4.8	4.6	0.0	25.8	25.4	25.4	0.0	0.0	0.0				
AustraQueue:	0	1	0	1	1	0	1	0	0	0	0	0				

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.123
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.1
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	0	45	15		79	46	12		17	17	0		13	8	83	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	45	15		79	46	12		17	17	0		13	8	83	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	45	15		79	46	12		17	17	0		13	8	83	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	45	15		79	46	12		17	17	0		13	8	83	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	45	15		79	46	12		17	17	0		13	8	83	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	45	15		79	46	12		17	17	0		13	8	83	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	1.00	1.00		1.00	1.00	1.00		0.50	0.50	1.00		1.00	1.00	1.00	
Final Sat.:	0	703	814		641	703	813		325	325	0		619	678	782	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.06	0.02		0.12	0.07	0.01		0.05	0.05	xxxx		0.02	0.01	0.11	
Crit Moves:		****			****					****					****	
Delay/Veh:	0.0	8.0	7.0		8.9	8.0	7.0		8.3	8.3	0.0		8.4	7.9	7.6	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	8.0	7.0		8.9	8.0	7.0		8.3	8.3	0.0		8.4	7.9	7.6	
LOS by Move:	*	A	A		A	A	A		A	A	*		A	A	A	
ApproachDel:		7.7				8.5				8.3				7.7		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		7.7				8.5				8.3				7.7		
LOS by Appr:		A				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.058
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.4
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		0 1	0 1	0		0 0	1! 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	2	42	2		11	36	4		9	12	3		8	7	10	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	2	42	2		11	36	4		9	12	3		8	7	10	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	2	42	2		11	36	4		9	12	3		8	7	10	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	2	42	2		11	36	4		9	12	3		8	7	10	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	2	42	2		11	36	4		9	12	3		8	7	10	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	2	42	2		11	36	4		9	12	3		8	7	10	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.05	0.95	1.00		0.43	1.41	0.16		0.37	0.50	0.13		0.32	0.28	0.40	
Final Sat.:	35	729	904		317	1082	123		318	424	106		283	248	354	
Capacity Analysis Module:																
Vol/Sat:	0.06	0.06	0.00		0.03	0.03	0.03		0.03	0.03	0.03		0.03	0.03	0.03	
Crit Moves:	****				****					****			****			
Delay/Veh:	7.6	7.6	6.6		7.7	7.5	7.4		7.3	7.3	7.3		7.1	7.1	7.1	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	7.6	7.6	6.6		7.7	7.5	7.4		7.3	7.3	7.3		7.1	7.1	7.1	
LOS by Move:	A	A	A		A	A	A		A	A	A		A	A	A	
ApproachDel:	7.6				7.5				7.3				7.1			
Delay Adj:	1.00				1.00				1.00				1.00			
ApprAdjDel:	7.6				7.5				7.3				7.1			
LOS by Appr:	A				A				A				A			

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 2.9 Worst Case Level Of Service: A[9.1]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	2	63	0	0	40	3	0	0	0	37	1	9								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	63	0	0	40	3	0	0	0	37	1	9								
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	2	63	0	0	40	3	0	0	0	37	1	9								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	2	63	0	0	40	3	0	0	0	37	1	9								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	2	63	0	0	40	3	0	0	0	37	1	9								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	6.5	6.2								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	4.0	3.3								
Capacity Module:																				
Cnflict Vol:	40	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	109	107	63								
Potent Cap.:	1583	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	894	787	1007								
Move Cap.:	1583	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	893	786	1007								
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.04	0.00	0.01								
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	8.6								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	A								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT					
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	890	xxxx	xxxxx								
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.1	xxxx	xxxxx								
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	9.2	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	*	*	A	*	*								
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			9.1										
ApproachLOS:	*			*			*			A										

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

****

Average Delay (sec/veh): 2.6 Worst Case Level Of Service: A[9.2]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	29	40		8	69		0	36		2	11		0	0		0			
Growth Adj:	1.00	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00			
Initial Bse:	0	29	40		8	69		0	36		2	11		0	0		0			
Added Vol:	0	0	0		0	0		0	0		0	0		0	0		0			
PasserByVol:	0	0	0		0	0		0	0		0	0		0	0		0			
Initial Fut:	0	29	40		8	69		0	36		2	11		0	0		0			
User Adj:	1.00	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00			
PHF Adj:	1.00	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00			
PHF Volume:	0	29	40		8	69		0	36		2	11		0	0		0			
Reduct Vol:	0	0	0		0	0		0	0		0	0		0	0		0			
Final Vol.:	0	29	40		8	69		0	36		2	11		0	0		0			
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx		4.1	xxxx	xxxxx		6.4	6.5		6.2	xxxxx	xxxx	xxxxx					
FollowUpTim:	xxxxx	xxxx	xxxxx		2.2	xxxx	xxxxx		3.5	4.0		3.3	xxxxx	xxxx	xxxxx					
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx		29	xxxx	xxxxx		134	114		69	xxxx	xxxx	xxxxx					
Potent Cap.:	xxxx	xxxx	xxxxx		1597	xxxx	xxxxx		864	780		1000	xxxx	xxxx	xxxxx					
Move Cap.:	xxxx	xxxx	xxxxx		1597	xxxx	xxxxx		861	776		1000	xxxx	xxxx	xxxxx					
Volume/Cap:	xxxx	xxxx	xxxx		0.01	xxxx	xxxx		0.04	0.00		0.01	xxxx	xxxx	xxxx					
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx		0.0	xxxx	xxxxx	xxxxx	xxxx		0.0	xxxxx	xxxx	xxxxx						
Stopped Del:	xxxxx	xxxx	xxxxx		7.3	xxxx	xxxxx	xxxxx	xxxx		8.6	xxxxx	xxxx	xxxxx						
LOS by Move:	*	*	*		A	*	*	*	*		A	*	*	*						
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		856	xxxx	xxxxx		xxxx	xxxx	xxxxx					
SharedQueue:	xxxxx	xxxx	xxxxx		0.0	xxxx	xxxxx		0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx						
Shrd StpDel:	xxxxx	xxxx	xxxxx		7.3	xxxx	xxxxx		9.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx						
Shared LOS:	*	*	*		A	*	*		A	*	*	*	*	*						
ApproachDel:	xxxxxx				xxxxxx					9.2			xxxxxx							
ApproachLOS:	*				*					A			*							

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #3 SR-78/22nd Ave

Average Delay (sec/veh): 0.5 Worst Case Level Of Service: A[9.4]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	1!	0	0	0	1	0	0	0
Volume Module:																				
Base Vol:	2	57	0	0	66	2	1	0	1	3	1	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	57	0	0	66	2	1	0	1	3	1	0								
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	2	57	0	0	66	2	1	0	1	3	1	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	2	57	0	0	66	2	1	0	1	3	1	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	2	57	0	0	66	2	1	0	1	3	1	0								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.1	xxxx	6.2	7.1	6.5	xxxxx								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	3.5	4.0	xxxxx								
Capacity Module:																				
Cnflict Vol:	68	xxxx	xxxxx	xxxx	xxxx	xxxxx	129	xxxx	67	129	129	xxxxx								
Potent Cap.:	1546	xxxx	xxxxx	xxxx	xxxx	xxxxx	849	xxxx	1002	849	765	xxxxx								
Move Cap.:	1546	xxxx	xxxxx	xxxx	xxxx	xxxxx	848	xxxx	1002	848	764	xxxxx								
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	xxxx	0.00	0.00	0.00	xxxx								
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	918	xxxxx	825	xxxx	xxxxx								
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	0.0	xxxx	xxxxx								
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	8.9	xxxxx	9.4	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	A	*	A	*	*								
ApproachDel:	xxxxxx			xxxxxx				8.9			9.4									
ApproachLOS:	*			*				A			A									

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.047
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 0 1! 0 0			0 1 0 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	24	10	2	21	22	22	4	0	9	3	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	24	10	2	21	22	22	4	0	9	3	8
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	24	10	2	21	22	22	4	0	9	3	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	24	10	2	21	22	22	4	0	9	3	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	24	10	2	21	22	22	4	0	9	3	8
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	24	10	2	21	22	22	4	0	9	3	8
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.71	0.29	0.04	0.47	0.49	0.85	0.15	0.00	0.45	0.15	0.40
Final Sat.:	0	650	271	42	443	464	706	128	0	405	135	360
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.04	0.04	0.05	0.05	0.05	0.03	0.03	xxxx	0.02	0.02	0.02
Crit Moves:		****				****		****			****	
Delay/Veh:	0.0	7.0	7.0	6.9	6.9	6.9	7.4	7.4	0.0	7.0	7.0	7.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	7.0	7.0	6.9	6.9	6.9	7.4	7.4	0.0	7.0	7.0	7.0
LOS by Move:	*	A	A	A	A	A	A	A	*	A	A	A
ApproachDel:		7.0			6.9			7.4			7.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.0			6.9			7.4			7.0	
LOS by Appr:		A			A			A			A	

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.028
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 1 0 0 0			1 0 0 0 0			1 0 0 0 0		
Volume Module:												
Base Vol:	0	9	19	1	18	0	2	0	0	23	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	9	19	1	18	0	2	0	0	23	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	9	19	1	18	0	2	0	0	23	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	9	19	1	18	0	2	0	0	23	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	19	1	18	0	2	0	0	23	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	19	1	18	0	2	0	0	23	0	0
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.32	0.68	0.05	0.95	0.00	1.00	0.00	0.00	1.00	0.00	0.00
Final Sat.:	0	322	680	47	849	0	845	0	0	851	0	0
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.02	0.02	xxxx	0.00	xxxx	xxxx	0.03	xxxx	xxxx
Crit Moves:		****		****			****			****		
Delay/Veh:	0.0	6.7	6.7	7.1	7.1	0.0	7.2	0.0	0.0	7.3	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.7	6.7	7.1	7.1	0.0	7.2	0.0	0.0	7.3	0.0	0.0
LOS by Move:	*	A	A	A	A	*	A	*	*	A	*	*
ApproachDel:	6.7			7.1			7.2			7.3		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	6.7			7.1			7.2			7.3		
LOS by Appr:	A			A			A			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		0 0 1!	0 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	30	0	0	47	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	30	0	0	47	0	0	0	0	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	30	0	0	47	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	30	0	0	47	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	30	0	0	47	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #7 SR-78/34th Avenue

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Uncontrolled			Uncontrolled			Yield Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1 0 0			0 0 1 0 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	40	0	0	45	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	40	0	0	45	0	0	0	0	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	40	0	0	45	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	40	0	0	45	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	40	0	0	45	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx		0 xxxxx	xxxx		0 xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.138
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.1
Optimal Cycle: 17 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 2	0 0		0 0 1	1 0		0 0 0	0 0		0 1 0	0 1	
Volume Module:												
Base Vol:	23	306	0	0	275	46	0	0	0	52	13	83
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	306	0	0	275	46	0	0	0	52	13	83
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	306	0	0	275	46	0	0	0	52	13	83
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	306	0	0	275	46	0	0	0	52	13	83
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	306	0	0	275	46	0	0	0	52	13	83
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	23	306	0	0	275	46	0	0	0	52	13	83
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.52	0.95	1.00	1.00	0.98	0.98	1.00	1.00	1.00	0.85	0.85	0.85
Lanes:	1.00	2.00	0.00	0.00	1.71	0.29	0.00	0.00	0.00	0.80	0.20	1.00
Final Sat.:	986	3610	0	0	3187	533	0	0	0	1292	323	1615
Capacity Analysis Module:												
Vol/Sat:	0.02	0.08	0.00	0.00	0.09	0.09	0.00	0.00	0.00	0.04	0.04	0.05
Crit Moves:					****							****
Green/Cycle:	0.63	0.63	0.00	0.00	0.63	0.63	0.00	0.00	0.00	0.37	0.37	0.37
Volume/Cap:	0.04	0.14	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.11	0.11	0.14
Delay/Veh:	7.2	7.6	0.0	0.0	7.7	7.7	0.0	0.0	0.0	20.5	20.5	20.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.2	7.6	0.0	0.0	7.7	7.7	0.0	0.0	0.0	20.5	20.5	20.8
AustraQueue:	0	3	0	0	3	1	0	0	0	1	0	2

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.193
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.5
Optimal Cycle: 18 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 1	1 0		1 0 2	0 0		0 1 0	1 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	219	61	133	196	0	113	31	56	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	219	61	133	196	0	113	31	56	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	219	61	133	196	0	113	31	56	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	219	61	133	196	0	113	31	56	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	219	61	133	196	0	113	31	56	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	219	61	133	196	0	113	31	56	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.97	0.97	0.55	0.95	1.00	0.92	0.92	0.92	1.00	1.00	1.00
Lanes:	0.00	1.56	0.44	1.00	2.00	0.00	1.00	0.36	0.64	0.00	0.00	0.00
Final Sat.:	0	2874	801	1041	3610	0	1744	621	1122	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.08	0.08	0.13	0.05	0.00	0.06	0.05	0.05	0.00	0.00	0.00
Crit Moves:				****			****					
Green/Cycle:	0.00	0.66	0.66	0.66	0.66	0.00	0.34	0.34	0.34	0.00	0.00	0.00
Volume/Cap:	0.00	0.11	0.11	0.19	0.08	0.00	0.19	0.15	0.15	0.00	0.00	0.00
Delay/Veh:	0.0	6.2	6.2	6.6	6.0	0.0	23.6	23.2	23.2	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.2	6.2	6.6	6.0	0.0	23.6	23.2	23.2	0.0	0.0	0.0
AustraQueue:	0	2	1	1	2	0	2	1	1	0	0	0

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.107
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.1
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	8	53	20		68	56	19		15	14	1		9	17	75	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	8	53	20		68	56	19		15	14	1		9	17	75	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	8	53	20		68	56	19		15	14	1		9	17	75	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	8	53	20		68	56	19		15	14	1		9	17	75	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	8	53	20		68	56	19		15	14	1		9	17	75	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	8	53	20		68	56	19		15	14	1		9	17	75	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.13	0.87	1.00		1.00	1.00	1.00		0.52	0.48	1.00		1.00	1.00	1.00	
Final Sat.:	91	606	818		638	699	809		331	309	771		612	668	768	
Capacity Analysis Module:																
Vol/Sat:	0.09	0.09	0.02		0.11	0.08	0.02		0.05	0.05	0.00		0.01	0.03	0.10	
Crit Moves:		****			****					****					****	
Delay/Veh:	8.2	8.2	7.0		8.8	8.1	7.1		8.3	8.3	7.1		8.5	8.0	7.6	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	8.2	8.2	7.0		8.8	8.1	7.1		8.3	8.3	7.1		8.5	8.0	7.6	
LOS by Move:	A	A	A		A	A	A		A	A	A		A	A	A	
ApproachDel:		7.9				8.3				8.3				7.8		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		7.9				8.3				8.3				7.8		
LOS by Appr:		A				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - No Project

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.040
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 1	0 0	1	0 1	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module:												
Base Vol:	2	29	4	9	33	3	6	9	6	3	7	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	29	4	9	33	3	6	9	6	3	7	10
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	29	4	9	33	3	6	9	6	3	7	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	29	4	9	33	3	6	9	6	3	7	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	29	4	9	33	3	6	9	6	3	7	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	2	29	4	9	33	3	6	9	6	3	7	10
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.06	0.94	1.00	0.40	1.47	0.13	0.28	0.43	0.29	0.15	0.35	0.50
Final Sat.:	50	718	911	297	1131	105	253	379	253	138	322	460
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.00	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Crit Moves:	****			****				****			****	
Delay/Veh:	7.5	7.5	6.6	7.7	7.5	7.3	7.1	7.1	7.1	6.9	6.9	6.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.5	7.5	6.6	7.7	7.5	7.3	7.1	7.1	7.1	6.9	6.9	6.9
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.4			7.5			7.1			6.9		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.4			7.5			7.1			6.9		
LOS by Appr:	A			A			A			A		

2016 Baseline + Project Operation Condition

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 5.6 Worst Case Level Of Service: A[9.5]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	11	32	0	0		25	31		0		0	0		0		22	1		7	
Growth Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
Initial Bse:	11	32	0	0		25	31		0		0	0		0		22	1		7	
Added Vol:	0	0	0	0		0	0		0		0	0		0		90	0		0	
PasserByVol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Initial Fut:	11	32	0	0		25	31		0		0	0		0		112	1		7	
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Volume:	11	32	0	0		25	31		0		0	0		0		112	1		7	
Reduct Vol:	0	0	0	0		0	0		0		0	0		0		0	0		0	
Final Vol.:	11	32	0	0		25	31		0		0	0		0		112	1		7	
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		6.4	6.5		6.2						
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		3.5	4.0		3.3						
Capacity Module:																				
Cnflict Vol:	25	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		94	79		32						
Potent Cap.:	1603	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		910	815		1048						
Move Cap.:	1603	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		905	809		1048						
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx		0.12	0.00		0.01						
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx		0.0							
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx		8.5							
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*		A							
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT					
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		904	xxxx	xxxxx							
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.4	xxxx	xxxxx							
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.5	xxxx	xxxxx							
Shared LOS:	A	*	*	*	*	*	*	*	*		A	*	*							
ApproachDel:	xxxxxx			xxxxxx			xxxxxx				9.5									
ApproachLOS:	*			*			*				A									

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

Average Delay (sec/veh): 2.9 Worst Case Level Of Service: A[9.4]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Channel			Include			Channel			Include		
Lanes:	0 0 1	0	1	0 1	0	0 0	0 1	0	0 1	0 0	0	0 0
Volume Module:												
Base Vol:	0	21	41	19	54	0	10	1	10	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	21	41	19	54	0	10	1	10	0	0	0
Added Vol:	0	0	0	0	90	0	0	0	60	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	21	41	19	144	0	10	1	70	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	21	41	19	144	0	10	1	70	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	21	41	19	144	0	10	1	70	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	6.4	6.5	6.2	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	21	xxxx	xxxxx	224	203	144	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	1608	xxxx	xxxxx	769	697	909	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	1608	xxxx	xxxxx	762	688	909	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	0.01	0.00	0.08	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	0.2	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	xxxxx	xxxx	9.3	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	A	*	*	*	*	A	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	755	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	9.8	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	A	*	*	A	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			9.4			xxxxxx		
ApproachLOS:	*			*			A			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #3 SR-78/22nd Ave

Average Delay (sec/veh): 0.4 Worst Case Level Of Service: B[10.4]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1! 0 0			0 0 1! 0 0			0 0 1! 0 0			0 1 0 0 0		
Volume Module:												
Base Vol:	1	65	4	1	47	1	1	2	1	3	1	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	65	4	1	47	1	1	2	1	3	1	0
Added Vol:	0	0	0	0	150	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	65	4	1	197	1	1	2	1	3	1	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	65	4	1	197	1	1	2	1	3	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	1	65	4	1	197	1	1	2	1	3	1	0
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	xxxxx
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	xxxxx
Capacity Module:												
Cnflict Vol:	198	xxxx	xxxxx	69	xxxx	xxxxx	269	271	198	270	269	xxxxx
Potent Cap.:	1387	xxxx	xxxxx	1545	xxxx	xxxxx	688	639	849	687	641	xxxxx
Move Cap.:	1387	xxxx	xxxxx	1545	xxxx	xxxxx	686	639	849	683	640	xxxxx
Volume/Cap:	0.00	xxxx	xxxx	0.00	xxxx	xxxx	0.00	0.00	0.00	0.00	0.00	xxxx
Level Of Service Module:												
Queue:	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	7.6	xxxx	xxxxx	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	693	xxxxx	672	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	0.0	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	10.2	xxxxx	10.4	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	B	*	B	*	*
ApproachDel:	xxxxxx			xxxxxx			10.2			10.4		
ApproachLOS:	*			*			B			B		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.174
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.2
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 0	0 1	0		0 0	1! 0	0		0 0	1! 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	0	20	7		3	9	18		15	0	1		4	10	7	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	20	7		3	9	18		15	0	1		4	10	7	
Added Vol:	0	0	0		0	0	150		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	20	7		3	9	168		15	0	1		4	10	7	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	20	7		3	9	168		15	0	1		4	10	7	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	20	7		3	9	168		15	0	1		4	10	7	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	20	7		3	9	168		15	0	1		4	10	7	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	0.74	0.26		0.02	0.05	0.93		0.94	0.00	0.06		0.19	0.48	0.33	
Final Sat.:	0	661	231		17	52	965		728	0	49		159	397	278	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.03	0.03		0.17	0.17	0.17		0.02	xxxx	0.02		0.03	0.03	0.03	
Crit Moves:		****				****			****				****			
Delay/Veh:	0.0	7.1	7.1		7.2	7.2	7.2		7.5	0.0	7.5		7.2	7.2	7.2	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	7.1	7.1		7.2	7.2	7.2		7.5	0.0	7.5		7.2	7.2	7.2	
LOS by Move:	*	A	A		A	A	A		A	*	A		A	A	A	
ApproachDel:	7.1				7.2				7.5				7.2			
Delay Adj:	1.00				1.00				1.00				1.00			
ApprAdjDel:	7.1				7.2				7.5				7.2			
LOS by Appr:	A				A				A				A			

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.202
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 1 0 0 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	15	8	1	11	0	0	0	0	21	1	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	15	8	1	11	0	0	0	0	21	1	1
Added Vol:	0	0	0	0	0	0	0	0	0	150	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	15	8	1	11	0	0	0	0	171	1	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	15	8	1	11	0	0	0	0	171	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	15	8	1	11	0	0	0	0	171	1	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	15	8	1	11	0	0	0	0	171	1	1
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.65	0.35	0.08	0.92	0.00	0.00	1.00	0.00	0.98	0.01	0.01
Final Sat.:	0	554	296	67	738	0	0	0	0	848	5	5
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.01	0.01	xxxx	xxxx	xxxx	xxxx	0.20	0.20	0.20
Crit Moves:			****		****						****	
Delay/Veh:	0.0	7.2	7.2	7.4	7.4	0.0	0.0	0.0	0.0	8.2	8.2	8.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	7.2	7.2	7.4	7.4	0.0	0.0	0.0	0.0	8.2	8.2	8.2
LOS by Move:	*	A	A	A	A	*	*	*	*	A	A	A
ApproachDel:	7.2			7.4			xxxxxx			8.2		
Delay Adj:	1.00			1.00			xxxxx			1.00		
ApprAdjDel:	7.2			7.4			xxxxxx			8.2		
LOS by Appr:	A			A			*			A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		0 0 1!	0 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	39	0	0	37	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	39	0	0	37	0	0	0	0	0	0	0
Added Vol:	0	0	0	0	150	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	39	0	0	187	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	39	0	0	187	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	39	0	0	187	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 SR-78/34th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Yield Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1	0	0		0	0	0	1	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module:																								
Base Vol:	0	43		0		0	0	31		2		0	0		0		0	0	0		0		0	0
Growth Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00
Initial Bse:	0	43		0		0	0	31		2		0	0		0		0	0	0		0		0	0
Added Vol:	0	0		0		0	0	0		150		0	0		0		0	0	0		0		0	0
PasserByVol:	0	0		0		0	0	0		0		0	0		0		0	0	0		0		0	0
Initial Fut:	0	43		0		0	0	31		152		0	0		0		0	0	0		0		0	0
User Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00
PHF Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00
PHF Volume:	0	43		0		0	0	31		152		0	0		0		0	0	0		0		0	0
Reduct Vol:	0	0		0		0	0	0		0		0	0		0		0	0	0		0		0	0
Final Vol.:	0	43		0		0	0	31		152		0	0		0		0	0	0		0		0	0
Critical Gap Module:																								
Critical Gp:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
Capacity Module:																								
Cnflict Vol:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxxx
Potent Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxxx
Move Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		xxxxx	xxxxx
Volume/Cap:	xxxx	xxxx		xxxx		xxxx	xxxx	xxxx		xxxx		xxxx	xxxx		xxxx		xxxx	xxxx	xxxx		xxxx		xxxx	xxxx
Level Of Service Module:																								
Queue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
Stopped Del:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
LOS by Move:	*	*		*		*	*	*		*		*	*		*		*	*	*		*		*	*
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx	xxxxx		xxxx		0	xxxxx		xxxx		0	xxxxx						
SharedQueue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxxx	xxxxx
Shared LOS:	*	*		*		*	*	*		*		*	*		*		*	*	*		*		*	*
ApproachDel:	xxxxxx						xxxxxx						xxxxxx						xxxxxx					
ApproachLOS:	*						*						*						*					

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.138
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.6
Optimal Cycle: 17 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 2	0 0		0 0 1	1 0		0 0 0	0 0		0 1 0	0 1	
Volume Module:												
Base Vol:	32	193	0	0	207	98	0	0	0	50	11	86
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	32	193	0	0	207	98	0	0	0	50	11	86
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	32	193	0	0	207	98	0	0	0	50	11	86
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	32	193	0	0	207	98	0	0	0	50	11	86
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	193	0	0	207	98	0	0	0	50	11	86
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	32	193	0	0	207	98	0	0	0	50	11	86
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.53	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.85	0.85	0.85
Lanes:	1.00	2.00	0.00	0.00	1.36	0.64	0.00	0.00	0.00	0.82	0.18	1.00
Final Sat.:	1001	3610	0	0	2455	1162	0	0	0	1324	291	1615
Capacity Analysis Module:												
Vol/Sat:	0.03	0.05	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.04	0.04	0.05
Crit Moves:					****							****
Green/Cycle:	0.61	0.61	0.00	0.00	0.61	0.61	0.00	0.00	0.00	0.39	0.39	0.39
Volume/Cap:	0.05	0.09	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.10	0.10	0.14
Delay/Veh:	7.8	7.9	0.0	0.0	8.2	8.2	0.0	0.0	0.0	19.6	19.6	19.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.8	7.9	0.0	0.0	8.2	8.2	0.0	0.0	0.0	19.6	19.6	19.9
AustraQueue:	0	2	0	0	2	1	0	0	0	1	0	2

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.119
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.4
Optimal Cycle: 16 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 1	1 0		1 0 2	0 0		0 1 0	1 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	165	36	96	165	0	62	13	24	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	165	36	96	165	0	62	13	24	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	165	36	96	165	0	62	13	24	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	165	36	96	165	0	62	13	24	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	165	36	96	165	0	62	13	24	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	165	36	96	165	0	62	13	24	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.97	0.97	0.60	0.95	1.00	0.93	0.93	0.93	1.00	1.00	1.00
Lanes:	0.00	1.64	0.36	1.00	2.00	0.00	1.00	0.35	0.65	0.00	0.00	0.00
Final Sat.:	0	3035	662	1144	3610	0	1766	620	1145	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.05	0.05	0.08	0.05	0.00	0.04	0.02	0.02	0.00	0.00	0.00
Crit Moves:				****			****					
Green/Cycle:	0.00	0.71	0.71	0.71	0.71	0.00	0.29	0.29	0.29	0.00	0.00	0.00
Volume/Cap:	0.00	0.08	0.08	0.12	0.06	0.00	0.12	0.07	0.07	0.00	0.00	0.00
Delay/Veh:	0.0	4.6	4.6	4.8	4.6	0.0	25.8	25.4	25.4	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	4.6	4.6	4.8	4.6	0.0	25.8	25.4	25.4	0.0	0.0	0.0
AustraQueue:	0	1	0	1	1	0	1	0	0	0	0	0

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.123
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.1
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	0	45	15		79	46	12		17	17	0		13	8	83	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	45	15		79	46	12		17	17	0		13	8	83	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	45	15		79	46	12		17	17	0		13	8	83	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	45	15		79	46	12		17	17	0		13	8	83	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	45	15		79	46	12		17	17	0		13	8	83	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	45	15		79	46	12		17	17	0		13	8	83	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	1.00	1.00		1.00	1.00	1.00		0.50	0.50	1.00		1.00	1.00	1.00	
Final Sat.:	0	703	814		641	703	813		325	325	0		619	678	782	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.06	0.02		0.12	0.07	0.01		0.05	0.05	xxxx		0.02	0.01	0.11	
Crit Moves:		****			****					****					****	
Delay/Veh:	0.0	8.0	7.0		8.9	8.0	7.0		8.3	8.3	0.0		8.4	7.9	7.6	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	8.0	7.0		8.9	8.0	7.0		8.3	8.3	0.0		8.4	7.9	7.6	
LOS by Move:	*	A	A		A	A	A		A	A	*		A	A	A	
ApproachDel:		7.7				8.5				8.3				7.7		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		7.7				8.5				8.3				7.7		
LOS by Appr:		A				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future AM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.058
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.4
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		0 1	0 1	0		0 0	1! 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	2	42	2		11	36	4		9	12	3		8	7	10	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	2	42	2		11	36	4		9	12	3		8	7	10	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	2	42	2		11	36	4		9	12	3		8	7	10	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	2	42	2		11	36	4		9	12	3		8	7	10	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	2	42	2		11	36	4		9	12	3		8	7	10	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	2	42	2		11	36	4		9	12	3		8	7	10	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.05	0.95	1.00		0.43	1.41	0.16		0.37	0.50	0.13		0.32	0.28	0.40	
Final Sat.:	35	729	904		317	1082	123		318	424	106		283	248	354	
Capacity Analysis Module:																
Vol/Sat:	0.06	0.06	0.00		0.03	0.03	0.03		0.03	0.03	0.03		0.03	0.03	0.03	
Crit Moves:	****				****					****			****			
Delay/Veh:	7.6	7.6	6.6		7.7	7.5	7.4		7.3	7.3	7.3		7.1	7.1	7.1	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	7.6	7.6	6.6		7.7	7.5	7.4		7.3	7.3	7.3		7.1	7.1	7.1	
LOS by Move:	A	A	A		A	A	A		A	A	A		A	A	A	
ApproachDel:	7.6				7.5				7.3				7.1			
Delay Adj:	1.00				1.00				1.00				1.00			
ApprAdjDel:	7.6				7.5				7.3				7.1			
LOS by Appr:	A				A				A				A			

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #1 SR-78 (Neighbours Boulevard)/I-10 WB Ramps

Average Delay (sec/veh): 4.3 Worst Case Level Of Service: A[9.9]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Channel					Include					Channel				
Lanes:	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1
Volume Module:																				
Base Vol:	2	63	0	0	40	3	0	0	0	37	1	9								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	63	0	0	40	3	0	0	0	37	1	9								
Added Vol:	60	0	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	62	63	0	0	40	3	0	0	0	37	1	9								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	62	63	0	0	40	3	0	0	0	37	1	9								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	62	63	0	0	40	3	0	0	0	37	1	9								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	6.5	6.2								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	4.0	3.3								
Capacity Module:																				
Cnflict Vol:	40	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	229	227	63								
Potent Cap.:	1583	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	764	676	1007								
Move Cap.:	1583	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	740	648	1007								
Volume/Cap:	0.04	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.05	0.00	0.01								
Level Of Service Module:																				
Queue:	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0								
Stopped Del:	7.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	8.6								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	A								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT					
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	738	xxxx	xxxxx								
SharedQueue:	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.2	xxxx	xxxxx								
Shrd StpDel:	7.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	10.1	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	*	*	B	*	*								
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			9.9										
ApproachLOS:	*			*			*			A										

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #2 SR-78 (Neighbours Boulevard)/I-10 EB Ramps

Average Delay (sec/veh): 1.6 Worst Case Level Of Service: A[9.7]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Channel					Include					Channel					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Volume Module:																				
Base Vol:	0	29	40		8	69		0		36	2		11		0	0		0		
Growth Adj:	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		
Initial Bse:	0	29	40		8	69		0		36	2		11		0	0		0		
Added Vol:	0	60	90		0	0		0		0	0		0		0	0		0		
PasserByVol:	0	0	0		0	0		0		0	0		0		0	0		0		
Initial Fut:	0	89	130		8	69		0		36	2		11		0	0		0		
User Adj:	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		
PHF Adj:	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		
PHF Volume:	0	89	130		8	69		0		36	2		11		0	0		0		
Reduct Vol:	0	0	0		0	0		0		0	0		0		0	0		0		
Final Vol.:	0	89	130		8	69		0		36	2		11		0	0		0		
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx		4.1	xxxx		xxxxx		6.4	6.5		6.2		xxxxx	xxxx		xxxxx		
FollowUpTim:	xxxxx	xxxx	xxxxx		2.2	xxxx		xxxxx		3.5	4.0		3.3		xxxxx	xxxx		xxxxx		
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx		89	xxxx		xxxxx		239	174		69		xxxx	xxxx		xxxxx		
Potent Cap.:	xxxx	xxxx	xxxxx		1519	xxxx		xxxxx		754	723		1000		xxxx	xxxx		xxxxx		
Move Cap.:	xxxx	xxxx	xxxxx		1519	xxxx		xxxxx		751	719		1000		xxxx	xxxx		xxxxx		
Volume/Cap:	xxxx	xxxx	xxxx		0.01	xxxx		xxxx		0.05	0.00		0.01		xxxx	xxxx		xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx		0.0	xxxx		xxxxx		xxxxx	xxxx		0.0		xxxxx	xxxx		xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx		7.4	xxxx		xxxxx		xxxxx	xxxx		8.6		xxxxx	xxxx		xxxxx		
LOS by Move:	*	*	*		A	*		*		*	*		A		*	*		*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx		xxxx	xxxx		xxxxx		749	xxxx		xxxxx		xxxx	xxxx		xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx		0.0	xxxx		xxxxx		0.2	xxxx		xxxxx		xxxxx	xxxx		xxxxx		
Shrd StpDel:	xxxxx	xxxx	xxxxx		7.4	xxxx		xxxxx		10.1	xxxx		xxxxx		xxxxx	xxxx		xxxxx		
Shared LOS:	*	*	*		A	*		*		B	*		*		*	*		*		
ApproachDel:	xxxxxx				xxxxxx						9.7				xxxxxx					
ApproachLOS:	*				*						A				*					

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #3 SR-78/22nd Ave

Average Delay (sec/veh): 0.3 Worst Case Level Of Service: B[10.4]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	1!	0	0	0	1	0	0	0
Volume Module:																				
Base Vol:	2	57	0	0	66	2	1	0	1	3	1	0								
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
Initial Bse:	2	57	0	0	66	2	1	0	1	3	1	0								
Added Vol:	0	150	0	0	0	0	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	2	207	0	0	66	2	1	0	1	3	1	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Volume:	2	207	0	0	66	2	1	0	1	3	1	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	2	207	0	0	66	2	1	0	1	3	1	0								
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.1	xxxx	6.2	7.1	6.5	xxxxx								
FollowUpTim:	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	3.5	4.0	xxxxx								
Capacity Module:																				
Cnflict Vol:	68	xxxx	xxxxx	xxxx	xxxx	xxxxx	279	xxxx	67	279	279	xxxxx								
Potent Cap.:	1546	xxxx	xxxxx	xxxx	xxxx	xxxxx	678	xxxx	1002	678	632	xxxxx								
Move Cap.:	1546	xxxx	xxxxx	xxxx	xxxx	xxxxx	676	xxxx	1002	677	632	xxxxx								
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	xxxx	0.00	0.00	0.00	xxxx								
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	808	xxxxx	665	xxxx	xxxxx								
SharedQueue:	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	0.0	xxxx	xxxxx								
Shrd StpDel:	7.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	9.5	xxxxx	10.4	xxxx	xxxxx								
Shared LOS:	A	*	*	*	*	*	*	A	*	B	*	*								
ApproachDel:	xxxxxx			xxxxxx				9.5			10.4									
ApproachLOS:	*			*				A			B									

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #4 Neighbours (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.212
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.0
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			0 0 1! 0 0			0 1 0 0 0			0 0 1! 0 0		
Volume Module:												
Base Vol:	0	24	10	2	21	22	22	4	0	9	3	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	24	10	2	21	22	22	4	0	9	3	8
Added Vol:	0	0	0	0	0	0	150	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	24	10	2	21	22	172	4	0	9	3	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	24	10	2	21	22	172	4	0	9	3	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	24	10	2	21	22	172	4	0	9	3	8
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	24	10	2	21	22	172	4	0	9	3	8
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.71	0.29	0.04	0.47	0.49	0.98	0.02	0.00	0.45	0.15	0.40
Final Sat.:	0	580	242	38	395	413	811	19	0	386	129	343
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.04	0.04	0.05	0.05	0.05	0.21	0.21	xxxx	0.02	0.02	0.02
Crit Moves:		****		****				****			****	
Delay/Veh:	0.0	7.4	7.4	7.3	7.3	7.3	8.4	8.4	0.0	7.2	7.2	7.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	7.4	7.4	7.3	7.3	7.3	8.4	8.4	0.0	7.2	7.2	7.2
LOS by Move:	*	A	A	A	A	A	A	A	*	A	A	A
ApproachDel:		7.4			7.3			8.4			7.2	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.4			7.3			8.4			7.2	
LOS by Appr:		A			A			A			A	

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Ramells (SR-78)/28th Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.169
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.2
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 0	0 1	0		0 1	0 0	0		1 0	0 0	0		1 0	0 0	0	
Volume Module:																
Base Vol:	0	9	19		1	18	0		2	0	0		23	0	0	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	9	19		1	18	0		2	0	0		23	0	0	
Added Vol:	0	0	150		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	9	169		1	18	0		2	0	0		23	0	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	0	9	169		1	18	0		2	0	0		23	0	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	9	169		1	18	0		2	0	0		23	0	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	9	169		1	18	0		2	0	0		23	0	0	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.00	0.05	0.95		0.05	0.95	0.00		1.00	0.00	0.00		1.00	0.00	0.00	
Final Sat.:	0	53	997		46	820	0		772	0	0		777	0	0	
Capacity Analysis Module:																
Vol/Sat:	xxxx	0.17	0.17		0.02	0.02	xxxx		0.00	xxxx	xxxx		0.03	xxxx	xxxx	
Crit Moves:			****			****			****				****			
Delay/Veh:	0.0	7.1	7.1		7.2	7.2	0.0		7.5	0.0	0.0		7.6	0.0	0.0	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	7.1	7.1		7.2	7.2	0.0		7.5	0.0	0.0		7.6	0.0	0.0	
LOS by Move:	*	A	A		A	A	*		A	*	*		A	*	*	
ApproachDel:	7.1				7.2				7.5				7.6			
Delay Adj:	1.00				1.00				1.00				1.00			
ApprAdjDel:	7.1				7.2				7.5				7.6			
LOS by Appr:	A				A				A				A			

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 SR-78/30th Avenue

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		0 0 1!	0 0		0 0 0	0 0	
Volume Module:												
Base Vol:	0	30	0	0	47	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	30	0	0	47	0	0	0	0	0	0	0
Added Vol:	0	150	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	180	0	0	47	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	180	0	0	47	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	180	0	0	47	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 SR-78/34th Avenue

Average Delay (sec/veh): 6.2 Worst Case Level Of Service: A[9.7]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Yield Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 0		0 0 1	0 0		1 0 0	0 0		0 0 1!	0 0	
Volume Module:												
Base Vol:	0	40	0	0	45	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	40	0	0	45	0	0	0	0	0	0	0
Added Vol:	0	0	0	0	0	0	150	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	40	0	0	45	0	150	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	40	0	0	45	0	150	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	40	0	0	45	0	150	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	85	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	921	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	921	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.16	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.6	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	9.7	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	0	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			9.7			xxxxxx		
ApproachLOS:	*			*			A			*		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Lovekin/I-10 WB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.138
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.1
Optimal Cycle: 17 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 2	0 0		0 0 1	1 0		0 0 0	0 0		0 1 0	0 1	
Volume Module:												
Base Vol:	23	306	0	0	275	46	0	0	0	52	13	83
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	306	0	0	275	46	0	0	0	52	13	83
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	306	0	0	275	46	0	0	0	52	13	83
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	306	0	0	275	46	0	0	0	52	13	83
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	306	0	0	275	46	0	0	0	52	13	83
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	23	306	0	0	275	46	0	0	0	52	13	83
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.52	0.95	1.00	1.00	0.98	0.98	1.00	1.00	1.00	0.85	0.85	0.85
Lanes:	1.00	2.00	0.00	0.00	1.71	0.29	0.00	0.00	0.00	0.80	0.20	1.00
Final Sat.:	986	3610	0	0	3187	533	0	0	0	1292	323	1615
Capacity Analysis Module:												
Vol/Sat:	0.02	0.08	0.00	0.00	0.09	0.09	0.00	0.00	0.00	0.04	0.04	0.05
Crit Moves:					****							****
Green/Cycle:	0.63	0.63	0.00	0.00	0.63	0.63	0.00	0.00	0.00	0.37	0.37	0.37
Volume/Cap:	0.04	0.14	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.11	0.11	0.14
Delay/Veh:	7.2	7.6	0.0	0.0	7.7	7.7	0.0	0.0	0.0	20.5	20.5	20.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.2	7.6	0.0	0.0	7.7	7.7	0.0	0.0	0.0	20.5	20.5	20.8
AustraQueue:	0	3	0	0	3	1	0	0	0	1	0	2

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #9 Lovekin/I-10 EB ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.193
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 10.5
Optimal Cycle: 18 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 1 1 0			1 0 2 0 0			0 1 0 1 0			0 0 0 0 0		
Volume Module:												
Base Vol:	0	219	61	133	196	0	113	31	56	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	219	61	133	196	0	113	31	56	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	219	61	133	196	0	113	31	56	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	219	61	133	196	0	113	31	56	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	219	61	133	196	0	113	31	56	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	219	61	133	196	0	113	31	56	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.97	0.97	0.55	0.95	1.00	0.92	0.92	0.92	1.00	1.00	1.00
Lanes:	0.00	1.56	0.44	1.00	2.00	0.00	1.00	0.36	0.64	0.00	0.00	0.00
Final Sat.:	0	2874	801	1041	3610	0	1744	621	1122	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.08	0.08	0.13	0.05	0.00	0.06	0.05	0.05	0.00	0.00	0.00
Crit Moves:				****			****					
Green/Cycle:	0.00	0.66	0.66	0.66	0.66	0.00	0.34	0.34	0.34	0.00	0.00	0.00
Volume/Cap:	0.00	0.11	0.11	0.19	0.08	0.00	0.19	0.15	0.15	0.00	0.00	0.00
Delay/Veh:	0.0	6.2	6.2	6.6	6.0	0.0	23.6	23.2	23.2	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	6.2	6.2	6.6	6.0	0.0	23.6	23.2	23.2	0.0	0.0	0.0
AustraQueue:	0	2	1	1	2	0	2	1	1	0	0	0

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #10 Lovekin/14th

Cycle (sec): 100 Critical Vol./Cap. (X): 0.107
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 8.1
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		1 0	1 0	1		0 1	0 0	1		1 0	1 0	1	
Volume Module:																
Base Vol:	8	53	20		68	56	19		15	14	1		9	17	75	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	8	53	20		68	56	19		15	14	1		9	17	75	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	8	53	20		68	56	19		15	14	1		9	17	75	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	8	53	20		68	56	19		15	14	1		9	17	75	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	8	53	20		68	56	19		15	14	1		9	17	75	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	8	53	20		68	56	19		15	14	1		9	17	75	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.13	0.87	1.00		1.00	1.00	1.00		0.52	0.48	1.00		1.00	1.00	1.00	
Final Sat.:	91	606	818		638	699	809		331	309	771		612	668	768	
Capacity Analysis Module:																
Vol/Sat:	0.09	0.09	0.02		0.11	0.08	0.02		0.05	0.05	0.00		0.01	0.03	0.10	
Crit Moves:		****			****					****					****	
Delay/Veh:	8.2	8.2	7.0		8.8	8.1	7.1		8.3	8.3	7.1		8.5	8.0	7.6	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	8.2	8.2	7.0		8.8	8.1	7.1		8.3	8.3	7.1		8.5	8.0	7.6	
LOS by Move:	A	A	A		A	A	A		A	A	A		A	A	A	
ApproachDel:		7.9				8.3				8.3				7.8		
Delay Adj:		1.00				1.00				1.00				1.00		
ApprAdjDel:		7.9				8.3				8.3				7.8		
LOS by Appr:		A				A				A				A		

Rio Mesa Solar Electric Generating Facility (SEGF)
Future PM Peak Hour Conditions - with Project Operations

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lovekin/16th-Seeley

Cycle (sec): 100 Critical Vol./Cap. (X): 0.040
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Stop Sign				Stop Sign				Stop Sign				Stop Sign			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0 1	0 0	1		0 1	0 1	0		0 0	1! 0	0		0 0	1! 0	0	
Volume Module:																
Base Vol:	2	29	4		9	33	3		6	9	6		3	7	10	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	2	29	4		9	33	3		6	9	6		3	7	10	
Added Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	2	29	4		9	33	3		6	9	6		3	7	10	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	2	29	4		9	33	3		6	9	6		3	7	10	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	2	29	4		9	33	3		6	9	6		3	7	10	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	2	29	4		9	33	3		6	9	6		3	7	10	
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	0.06	0.94	1.00		0.40	1.47	0.13		0.28	0.43	0.29		0.15	0.35	0.50	
Final Sat.:	50	718	911		297	1131	105		253	379	253		138	322	460	
Capacity Analysis Module:																
Vol/Sat:	0.04	0.04	0.00		0.03	0.03	0.03		0.02	0.02	0.02		0.02	0.02	0.02	
Crit Moves:	****				****					****				****		
Delay/Veh:	7.5	7.5	6.6		7.7	7.5	7.3		7.1	7.1	7.1		6.9	6.9	6.9	
Delay Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	7.5	7.5	6.6		7.7	7.5	7.3		7.1	7.1	7.1		6.9	6.9	6.9	
LOS by Move:	A	A	A		A	A	A		A	A	A		A	A	A	
ApproachDel:	7.4				7.5				7.1				6.9			
Delay Adj:	1.00				1.00				1.00				1.00			
ApprAdjDel:	7.4				7.5				7.1				6.9			
LOS by Appr:	A				A				A				A			