

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ Charlotte Way
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	Charlotte Way	East Ave	Charlotte Way	East Ave
Crossing Distance	76 3 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	37 6 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	77 3 lanes 4 - ≤6 ft median refuge No Island #1 No Island #2	40 6 lanes 4 - ≤6 ft median refuge No Island #1 No Island #2
Left Turn Conflicts	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	-5 1 exclusive In + Perm LTOR does not apply LT not from 2-way to 1-way	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	-5 1 exclusive In + Perm LTOR does not apply LT not from 2-way to 1-way
Right Turn Conflicts	-5 1 exclusive In + Perm RTOR Allowed	-5 1 shared In + Perm RTOR Allowed	-5 1 exclusive In + Perm RTOR Allowed	-5 1 shared In + Perm RTOR Allowed
Pedestrian Signals	0 Standard	0 Standard	0 Standard	0 Standard
Pedestrian Delay	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early
Eff. Corner Radius	-10 >60 ft Island n/a	-10 >60 ft Island n/a	-10 >60 ft Island n/a	-10 >60 ft Island n/a
Crosswalks	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping
Leg Subtotals	66	12	67	15
Curb Ramp Max Score	n/a	n/a	n/a	n/a
Leg Totals	66	12	67	15
Leg LOS	C	F	C	F
Intersection LOS	Score Total	40	LOS	D

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ Dolores St
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	0	East Ave	Dolores St	0
Crossing Distance	#N/A #N/A #N/A No Island #1 No Island #2	50 5 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	76 3 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	#N/A #N/A #N/A No Island #1 No Island #2
Left Turn Conflicts	#N/A #N/A #N/A #N/A	-5 1 shared In + Perm LTOR does not apply LT not from 2-way to 1-way	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	#N/A #N/A #N/A #N/A
Right Turn Conflicts	#N/A #N/A #N/A	-5 1 shared In + Perm RTOR Allowed	-5 1 shared In + Perm RTOR Allowed	#N/A #N/A #N/A
Pedestrian Signals	#N/A #N/A	0 Standard	0 Standard	#N/A #N/A
Pedestrian Delay	#N/A Three-phase OR max 90s #N/A #N/A	0 Three-phase OR max 90s No extra cycles Ped phase does not end early	0 Three-phase OR max 90s No extra cycles Ped phase does not end early	#N/A Three-phase OR max 90s #N/A #N/A
Eff. Corner Radius	#N/A #N/A Island n/a	-5 >50 to ≤60 ft Island n/a	-5 >50 to ≤60 ft Island n/a	#N/A #N/A Island n/a
Crosswalks	#N/A #N/A	0 Transverse/Ladder striping	0 Transverse/Ladder striping	#N/A #N/A
Leg Subtotals	#N/A	35	76	#N/A
Curb Ramp Max Score	#N/A	73	73	#N/A
Leg Totals		35	73	
Leg LOS		E	C	
Intersection LOS	Score Total	54	LOS	D

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ Loyola Way
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	Loyola Way	East Ave	0	East Ave
Crossing Distance	76 3 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	50 5 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	#N/A #N/A #N/A No Island #1 No Island #2	37 6 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2
Left Turn Conflicts	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	-5 1 exclusive In + Perm LTOR does not apply LT not from 2-way to 1-way	#N/A #N/A #N/A #N/A	15 No left turn conflict LTOR does not apply LT not from 2-way to 1-way
Right Turn Conflicts	-5 1 shared In + Perm RTOR Allowed	15 No right turn conflict RTOR Allowed	#N/A #N/A #N/A	-5 1 exclusive In + Perm RTOR Allowed
Pedestrian Signals	0 Standard	0 Standard	#N/A #N/A	0 Standard
Pedestrian Delay	0 Three-phase OR max 90s No extra cycles Ped phase does not end early	0 Three-phase OR max 90s No extra cycles Ped phase does not end early	0 Three-phase OR max 90s No extra cycles Ped phase does not end early	0 Three-phase OR max 90s No extra cycles Ped phase does not end early
Eff. Corner Radius	-5 >50 to ≤60 ft Island n/a	-5 >50 to ≤60 ft Island n/a	-5 >50 to ≤60 ft Island n/a	-5 >50 to ≤60 ft Island n/a
Crosswalks	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping
Leg Subtotals	76	55	#N/A	42
Curb Ramp Max Score	n/a	n/a	#N/A	n/a
Leg Totals	76	55		42
Leg LOS	B	C		D
Intersection LOS	Score Total	58	LOS	C

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ Madison Ave
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	0	0	Madison Ave	East Ave
Crossing Distance	#N/A #N/A #N/A No Island #1 No Island #2	#N/A #N/A #N/A No Island #1 No Island #2	78 2 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	50 5 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2
Left Turn Conflicts	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	0 1 exclusive In + Perm LTOR not allowed LT not from 2-way to 1-way	0 1 shared In + Perm LTOR not allowed LT not from 2-way to 1-way
Right Turn Conflicts	#N/A #N/A #N/A	#N/A #N/A #N/A	-5 1 shared In + Perm RTOR Allowed	-5 1 shared In + Perm RTOR Allowed
Pedestrian Signals	#N/A #N/A	#N/A #N/A	0 Standard	0 Standard
Pedestrian Delay	#N/A Two-phase OR max 60s #N/A #N/A	#N/A Two-phase OR max 60s #N/A #N/A	5 Two-phase OR max 60s No extra cycles Ped phase does not end early	5 Two-phase OR max 60s No extra cycles Ped phase does not end early
Eff. Corner Radius	#N/A #N/A Island n/a	#N/A #N/A Island n/a	-5 >50 to ≤60 ft Island n/a	-5 >50 to ≤60 ft Island n/a
Crosswalks	#N/A #N/A	#N/A #N/A	0 Transverse/Ladder striping	0 Transverse/Ladder striping
Leg Subtotals	#N/A	#N/A	73	45
Curb Ramp Max Score	#N/A	#N/A	n/a	n/a
Leg Totals			73	45
Leg LOS			C	D
Intersection LOS	Score Total	59	LOS	C

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ N Mines Rd
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	N Mines Rd	0	0	East Ave
Crossing Distance	53 5 lanes 0 to ≤4 ft median refuge Island #1 - Yield No Island #2	#N/A #N/A #N/A No Island #1 No Island #2	#N/A #N/A #N/A No Island #1 No Island #2	53 5 lanes 0 to ≤4 ft median refuge Island #1 - Yield No Island #2
Left Turn Conflicts	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	15 No left turn conflict LTOR does not apply LT not from 2-way to 1-way
Right Turn Conflicts	-5 1 shared In + Perm RTOR Allowed	#N/A #N/A #N/A	#N/A #N/A #N/A	15 No right turn conflict RTOR Allowed
Pedestrian Signals	0 Standard	0 Standard	#N/A #N/A	0 Standard
Pedestrian Delay	0 Three-phase OR max 90s No extra cycles Ped phase does not end early	0 Three-phase OR max 90s No extra cycles Ped phase does not end early	0 Three-phase OR max 90s No extra cycles Ped phase does not end early	0 Three-phase OR max 90s No extra cycles Ped phase does not end early
Eff. Corner Radius	-10 >60 ft Island n/a	-5 >50 to ≤60 ft Island n/a	-5 >50 to ≤60 ft Island n/a	-10 >60 ft Island n/a
Crosswalks	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping
Leg Subtotals	48	#N/A	#N/A	73
Curb Ramp Max Score	73	#N/A	#N/A	73
Leg Totals	48			73
Leg LOS	D			C
Intersection LOS	Score Total	61	LOS	C

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ Fourth St/ S. Livermore Ave
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	0	East Ave	0	0
Crossing Distance	#N/A	65	#N/A	#N/A
	#N/A	4 lanes	#N/A	#N/A
	#N/A	0 to ≤4 ft median refuge	#N/A	#N/A
	No Island #1	No Island #1	No Island #1	No Island #1
	No Island #2	No Island #2	No Island #2	No Island #2
Left Turn Conflicts	#N/A	0	#N/A	#N/A
	#N/A	1 shared In + Prot-Perm	#N/A	#N/A
	#N/A	LTOR does not apply	#N/A	#N/A
	#N/A	LT not from 2-way to 1-way	#N/A	#N/A
Right Turn Conflicts	#N/A	-5	#N/A	#N/A
	#N/A	1 shared In + Perm	#N/A	#N/A
	RTOR Allowed	RTOR Allowed	RTOR Allowed	RTOR Allowed
Pedestrian Signals	0	0	0	0
	Standard	Standard	Standard	Standard
Pedestrian Delay	#N/A	0	#N/A	#N/A
	Three-phase OR max 90s	Three-phase OR max 90s	Three-phase OR max 90s	Three-phase OR max 90s
	#N/A	No extra cycles	#N/A	#N/A
	#N/A	Ped phase does not end early	#N/A	#N/A
Eff. Corner Radius	#N/A	-10	#N/A	#N/A
	#N/A	>60 ft	#N/A	#N/A
	Island n/a	Island n/a	Island n/a	Island n/a
Crosswalks	#N/A	0	#N/A	#N/A
	#N/A	Transverse/Ladder striping	#N/A	#N/A
Leg Subtotals	#N/A	50	#N/A	#N/A
Curb Ramp Max Score	#N/A	73	#N/A	#N/A
Leg Totals		50		
Leg LOS		D		
Intersection LOS	Score Total	50	LOS	D

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ Hillcrest Ave
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	Hillcrest Ave	East Ave	Hillcrest Ave	East Ave
Crossing Distance	76 3 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	50 5 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	76 3 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	50 5 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2
Left Turn Conflicts	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	-5 1 exclusive In + Perm LTOR does not apply LT not from 2-way to 1-way	15 1 or 2 exclusive Ins + Prot LTOR not allowed LT not from 2-way to 1-way	0 1 exclusive In + Perm LTOR not allowed LT not from 2-way to 1-way
Right Turn Conflicts	-5 1 shared In + Perm RTOR Allowed	0 1 shared In + Perm RTOR not allowed/No conflict	-5 1 shared In + Perm RTOR Allowed	0 1 shared In + Perm RTOR not allowed/No conflict
Pedestrian Signals	0 Standard	0 Standard	0 Standard	0 Standard
Pedestrian Delay	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early
Eff. Corner Radius	-10 >60 ft Island n/a	-10 >60 ft Island n/a	-10 >60 ft Island n/a	-10 >60 ft Island n/a
Crosswalks	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping
Leg Subtotals	66	30	71	35
Curb Ramp Max Score	73	73	73	73
Leg Totals	66	30	71	35
Leg LOS	C	E	C	E
Intersection LOS	Score Total	51	LOS	D

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ Maple St
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	Maple St	East Ave	0	0
Crossing Distance	78 3 lanes ≥6 ft median refuge No Island #1 No Island #2	50 5 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	#N/A #N/A #N/A No Island #1 No Island #2	#N/A #N/A #N/A No Island #1 No Island #2
Left Turn Conflicts	15 No left turn conflict LTOR does not apply LT not from 2-way to 1-way	10 1 or 2 exclusive lns + Prot LTOR does not apply LT not from 2-way to 1-way	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A
Right Turn Conflicts	5 1 or 2 exclusive lns + Prot RTOR Allowed	-5 1 shared ln + Perm RTOR Allowed	#N/A #N/A #N/A	#N/A #N/A #N/A
Pedestrian Signals	0 Standard	0 Standard	#N/A #N/A	#N/A #N/A
Pedestrian Delay	5 Two-phase OR max 60s No extra cycles Ped phase does not end early	5 Two-phase OR max 60s No extra cycles Ped phase does not end early	#N/A Two-phase OR max 60s #N/A #N/A	#N/A Two-phase OR max 60s #N/A #N/A
Eff. Corner Radius	0 >40 to ≤50 ft Island n/a	0 >40 to ≤50 ft Island n/a	#N/A #N/A Island n/a	#N/A #N/A Island n/a
Crosswalks	0 Transverse/Ladder striping	0 Transverse/Ladder striping	#N/A #N/A	#N/A #N/A
Leg Subtotals	103	60	#N/A	#N/A
Curb Ramp Max Score	n/a	n/a	#N/A	#N/A
Leg Totals	103	60		
Leg LOS	A	C		
Intersection LOS	Score Total	82	LOS	B

Pedestrian Signalized Intersection MMLOS

Intersection Name: East Ave/ Vasco Rd
Analyst Name: 0
Date: 1/0/1900
Analysis Scenario Name: Existing Conditions
Analysis Year: 0

Criteria	Summary Scoring Totals			
	North Leg Crosswalk	East Leg Crosswalk	South Leg Crosswalk	West Leg Crosswalk
	Vasco Rd	East Ave	Vasco Rd	East Ave
Crossing Distance	37 6 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	50 5 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	50 5 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2	37 6 lanes 0 to ≤4 ft median refuge No Island #1 No Island #2
Left Turn Conflicts	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way	10 1 or 2 exclusive Ins + Prot LTOR does not apply LT not from 2-way to 1-way
Right Turn Conflicts	-5 1 shared In + Perm RTOR Allowed	-5 1 shared In + Perm RTOR Allowed	-5 1 shared In + Perm RTOR Allowed	-5 1 exclusive In + Perm RTOR Allowed
Pedestrian Signals	0 Standard	0 Standard	0 Standard	0 Standard
Pedestrian Delay	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early	-5 Four-phase OR max 120s No extra cycles Ped phase does not end early
Eff. Corner Radius	-10 >60 ft Island n/a	-10 >60 ft Island n/a	-10 >60 ft Island n/a	-10 >60 ft Island n/a
Crosswalks	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping	0 Transverse/Ladder striping
Leg Subtotals	27	40	40	27
Curb Ramp Max Score	n/a	n/a	n/a	n/a
Leg Totals	27	40	40	27
Leg LOS	E	D	D	E
Intersection LOS	Score Total	34	LOS	E

Simplified MMLOS
Pedestrian LTS

Roadway	Dir	From-To	Number of Lanes	Sidewalk Width	Speed Limit	High Directional Volume	Medium Directional Volume	Cumulative Probabilities					Final LOS Probabilities					Max Probability	Probability 90% Check	Final LOS	
								F	E	D	C	B	F	E	D	C	B				A
1	S	Livermore Ave to Estates St	2	1	0	0	1	0.0832	0.2843	0.4973	0.7523	0.9671	0.0832	0.2012	0.2129	0.2551	0.2148	0.0329	0.2551	0.2296	C
2		Estates St to Madison Ave	2	1	0	0	1	0.0832	0.2843	0.4973	0.7523	0.9671	0.0832	0.2012	0.2129	0.2551	0.2148	0.0329	0.2551	0.2296	C
3		Madison Ave to Loyal Way	2	1	0	0	1	0.0832	0.2843	0.4973	0.7523	0.9671	0.0832	0.2012	0.2129	0.2551	0.2148	0.0329	0.2551	0.2296	C
4		Loyola Way to N Mines Rd	2	1	1	0	1	0.1511	0.4381	0.6599	0.8563	0.9829	0.1511	0.2870	0.2219	0.1964	0.1266	0.0171	0.2870	0.2583	E
5	N	Mines Rd to S Vasco Rd	2	1	1	0	1	0.1511	0.4381	0.6599	0.8563	0.9829	0.1511	0.2870	0.2219	0.1964	0.1266	0.0171	0.2870	0.2583	E