
Appendix B

Citywide Project Improvement Costs by Project Type

(Sidewalk Infill, Truncated Domes, Audible Signals, High Visibility Crosswalks, Signage)

**Table B.1
Roadways without Sidewalks and Length of Sidewalk Infill**

Roadway without Sidewalk	Segment	Length of Missing Sidewalks*
Acuna Court	northern terminus to El Fuerte Street	356
Adams Street	Basswood Avenue to Tamarack Avenue	1,843
Adams Street	Harrison Street to Park Drive	5,726
Alder Avenue	Monroe Street to eastern terminus	1,960
Alga Road	Cazadero Drive to Costa Alta Drive	4,872
Almaden Lane	Greenview Drive to Zamora Way	1,532
Almaden Lane	Alga Road to Greenview Way	3,630
Anna Drive	Gayle Way to Janis Way	1,160
Arbuckle Place	Madison Street to Jefferson Street	220
Argonauta Street	western terminus of Obelisco Circle to eastern terminus of Obelisco Circle	72
Argonauta Street	Argonauta Way to Balilonia Street	414
Argonauta Way	Luciernaga Street to southern terminus	794
Armada Drive	Fleet Street to Lego Drive	240
Avenida Encinas	Palomar Airport Road to Embarcadero Lane	3,374
Aviara Parkway	Camino de las Ondas to Poinsettia Lane	1,730
Balilonia Street	Argonauta Street to El Fuerte Street	38
Basswood Avenue	Eureka Place to Highland Drive	2,424
Basswood Avenue	Donna Drive to Ridgecrest Drive	540
Beech Avenue	Carlsbad Boulevard to Washington Street	160
Beech Avenue	Ocean Street to Garfield Street	72
Belle Lane	Basswood Avenue to Eastern Terminus	358

**Table B.1
Roadways without Sidewalks and Length of Sidewalk Infill**

Roadway without Sidewalk	Segment	Length of Missing Sidewalks*
Black Rail Road	Ocean Crest Avenue to Avena West Court	704
Buena Vista Circle	northern terminus to Laguna Drive	2,016
Buena Vista Way	Jefferson Street to Davis Avenue	532
Buena Vista Way	Pio Pico Drive to James Drive	354
Buena Vista Way	Valley Street to Crest Drive	1,664
Butters Road	western terminus to eastern terminus	1,016
Caleta Court	Estrella de Mar Road to southern terminus	1,134
Camden Circle	northern terminus to Ridgecrest Drive	304
Camino Alvaro	Olivenhain Road to Rancho Santa Fe Road	534
Camino Serbal	western terminus to Avenida Helecho	746
Camino Vida Roble	Palomar Oaks Way to Palomar Airport Road	14
Camino Vida Roble	Corte del Nogal to Las Palmas Drive western terminus	542
Camino Vida Roble	Corte del Abeto to Yarrow Drive	1,694
Camino Vida Roble	Las Palmas Drive eastern terminus to El Camino Real	2,576
Candil Place	Bolero Street to eastern terminus	668
Cannon Road	Legoland Drive to Faraday Avenue	972
Cannon Road	Frost Avenue to College Boulevard	8,092
Caracol Court	Estrella de Mar Road to southern terminus	818
Carlsbad Boulevard	northern Carlsbad boundary to Mountain View Drive	1,942
Carlsbad Boulevard	Tamarack Avenue to Cannon Road	576
Carlsbad Boulevard	Cannon Road to Manzano Drive	4,996
Carlsbad Boulevard	Manzano Drive to Palomar Airport Road	54
Carlsbad Boulevard (west side of roadway)	Manzano Drive to Island Way	11,312
Carlsbad Boulevard (east side of roadway)	Palomar Airport Road to Island Way	6,124

**Table B.1
Roadways without Sidewalks and Length of Sidewalk Infill**

Roadway without Sidewalk	Segment	Length of Missing Sidewalks*
Carlsbad Boulevard (east side of roadway)	Island Way to Poinsettia Lane	4,418
Carlsbad Boulevard	Poinsettia Lane to Avenida Encinas	7,146
Carlsbad Boulevard	Avenida Encinas to Carlsbad southern boundary	7,098
Cazadero Drive	Abejorro Street to Corintia Street	702
Cerezo Drive	Carlsbad Boulevard to El Arbol Drive	1,186
Charter Oak Drive	Seacrest Drive to Ridgecrest Drive	1,642
Chinquapin Avenue	Stella Maris Lane to Highland Drive	492
Cipriano Lane	northern terminus and Forest Avenue	550
College Boulevard	Rift Road to Cannon Road	3,984
Corte de Abeto	northern terminus to Camino Vida Roble	2,376
Corte de La Pina	Yarrow Road to Cosmos Court	1,616
Corte del Cedro	northern terminus to Corte de la Pina	1,778
Corte del Nogal	Camino Vida Roble to eastern terminus	2,862
Crest Drive	Forest Avenue to Buena Vista Way	3,236
Cynthia Lane	western terminus to eastern terminus	1,748
Davis Avenue	Knowles Avenue to Laguna Drive	1,342
Davis Avenue	Buena Vista Way to Knowles Avenue	1,284
Davis Place	Western Terminus to Davis Avenue	252
Dolphin Court	northern terminus to Loker West Avenue	430
Donna Drive	Falcon Drive to Basswood Avenue	724
Donna Drive	Basswood Avenue to Janis Way	542
Donna Drive	Lee Court to Chestnut Avenue	383
El Arbol Drive	Cannon Road to Cerezo Drive	974
El Camino Real	northern Carlsbad boundary to South Vista Way	466

**Table B.1
Roadways without Sidewalks and Length of Sidewalk Infill**

Roadway without Sidewalk	Segment	Length of Missing Sidewalks*
El Camino Real	Kelly Drive to Crestview Drive	3,763
El Fuerte Street	Chorlito Street to Cacatua Street	1,502
El Fuerte Street	Corintia Street to Balilonia Street	96
El Fuerte Street	Balilonia Street to Bolero Street	462
Elmwood Street	Knowles Avenue to Laguna Drive	1428
Embarcadero Lane	Avenida Encinas to Avenida Encinas	646
Estrella de Mar Road	Alga Road to Arenal Road	7,102
Falcon Drive	northern terminus to Westwood Drive	1,682
Forest Avenue	Highland Drive to Crest Drive	1,740
Garfield Street	Ocean Street to Normandy Lane	166
Garfield Street	Normandy Lane to Pacific Avenue	282
Garfield Street	Redwood Avenue to Chinquapin Avenue	1,158
Garfield Street	Chinquapin Avenue to Date Avenue	224
Garfield Street	Date Avenue to Olive Avenue	558
Gayle Way	Monroe Street to Donna Drive	645
Geode Lane	Titanite Place to Quartz Way	540
Grand Avenue	Hope Avenue to eastern terminus	108
Gregory Drive	Cynthia Lane to Knowles Avenue	656
Guevara Road	Highland Drive to eastern terminus	870
Haymar Drive	El Camino Real to northern Carlsbad boundary	56
Haymar Drive	western terminus to eastern terminus	7,846
Hemlock Avenue	Garfield Street to eastern terminus	120
Highland Drive	Guevara Road to Forest Avenue	660
Highland Drive	Elmwood Street to Carlsbad Village Drive	1,807

**Table B.1
Roadways without Sidewalks and Length of Sidewalk Infill**

Roadway without Sidewalk	Segment	Length of Missing Sidewalks*
Hillcrest Circle	Seacrest Drive to eastern terminus	284
Home Avenue	Hope Avenue to eastern terminus	504
Impala Drive	Palmer Way to Orion Street	1,908
Janis Way	Ann Drive to Avondale Circle	708
Jefferson Street	northern Carlsbad boundary and Marron Road	1,316
Jefferson Street	Marron Road to Las Flores Drive	6,448
Jefferson Street	Tamarack Avenue to Chinquapin Avenue	600
Juniper Avenue	Garfield Street to eastern terminus	1,418
Karren Lane	Monroe Street to eastern terminus	232
Knowles Avenue	Jefferson Street to Davis Avenue	588
Knowles Avenue	Lewis Lane to eastern terminus	58
Knowles Avenue	Pio Pico Drive to Gregory Drive	336
Knowles Avenue	Gregory Drive to Elmwood Street	1,774
La Costa Avenue	Rancho Santa Fe Road and Calle Timiteo	1,168
Laguna Drive	Pio Pico Drive to Elmwood Street	1,378
Las Palmas Drive	Camino Vida Roble to Camino Vida Roble	1,872
Laurie Circle	Ann Drive to Eastern Terminus	278
Levante Street	Rush Rose Street to El Camino Real	640
Lincoln Street	Oak Avenue to Pine Avenue	366
Lincoln Street	Pine Avenue to Walnut Avenue	180
Lincoln Street	Walnut Avenue to Chestnut Avenue	412
Llama Court	western terminus to Llama Street	680
Los Robles Drive	Cannon Road to Manzano Drive	4,220
Mac Arthur Avenue	Sunnyhill Drive to Skyline Road	1,260

**Table B.1
Roadways without Sidewalks and Length of Sidewalk Infill**

Roadway without Sidewalk	Segment	Length of Missing Sidewalks*
Madison Street	Laguna Drive to Arbuckle Place	870
Maezel Lane	Northern Terminus to Basswood Avenue	798
Mangua Place	Bolero Street to southern terminus	1,500
Mar Azul Way	Estrella de Mar Road to southern terminus	1,118
Marmol Court	western terminus to El Fuerte Street	312
Mc Kinley Street	Pine Avenue and Basswood Avenue	1,406
Meadowlark Lane	northern terminus to Ridgecrest Drive	464
Monroe Street	Park Drive to Sunnyhill Drive	482
Mountain View Drive	Ocean Street to Carlsbad Boulevard	622
Normandy Lane	Garfield Street to Mountain View Drive	778
Oak Avenue	Lincoln Street to Washington Street	80
Oak Avenue	Pio Pico Drive and James Drive	3,260
Obelisco Circle	Argonauta Street to Obelisco Place	38
Obelisco Circle	Obelisco Place to Obelisco Court	3,652
Obelisco Place	Obelisco Circle to western terminus	552
Ocean Street	Garfield Street to Cypress Avenue	162
Olivenhain Road	Olivenhain Road split to Rancho Santa Fe Road	1,722
Pacific Avenue	Ocean Street to Mountain View Drive	1,382
Palomar Airport Road	Carlsbad Boulevard (North Bound) to Avenida Encinas	1,312
Pine Avenue	Pio Pico Drive to Basswood Avenue	300
Pine Avenue	Basswood Avenue and Highland Drive	2,660
Pio Pico Drive	northern terminus to Las Flores Drive	2,235
Piragua Street	Cadencia Street to Esfera Steet	600
Playa Road	Estrella de Mar Road to southern terminus	1,082

**Table B.1
Roadways without Sidewalks and Length of Sidewalk Infill**

Roadway without Sidewalk	Segment	Length of Missing Sidewalks*
Poinsettia Lane	Aviara Parkway to Brigantine Drive	3,046
Poinsettia Lane	Brigantine Drive to Black Rail Road	54
Poinsettia Lane	Skimmer Court to El Camino Real	384
Poinsettia Lane	Alicante Road to Quartz Way	2,604
Priestly Drive/La Place Court	Rutherford Road to southern terminus	58
Rancho Santa Fe Road	Olivenhain Road to Camino Alvaro	1,278
Ridgecrest Drive	Basswood Avenue to Charter Oaks Drive	5,256
Roosevelt Street	Laguna Drive to Beech Avenue	102
Seacrest Drive	Ridgecrest Drive to Ridgecrest Drive	3,358
Shore Drive	Carlsbad Boulevard to Carlsbad Boulevard	2,038
South Buena Vista Circle	Buena Vista Circle to Buena Vista Circle	1,148
South Vista Way	northern Carlsbad boundary to El Camino Real	40
Spruce Street	Yourell Avenue to Forest Avenue	10
Spuce Road	northern terminus to Forest Avenue	504
State Street	Carlsbad Boulevard to Laguna Drive	924
Sunny Creek Road	Badger Lane to eastern terminus	19,208
Teirra Del Oro Street	northern terminus to southern terminus	1,296
Turtle Street	Niki Lynn Place to Buena Vista Way	926
Valley Place	Valley Street to eastern terminus	376
Valley Street	Buena Vista Drive to Carlsbad Village Drive	928
Venado Street	Cadencia Street to Esfera Steet	634
Via Borregos	Xana Way to southern terminus	312
West Oaks Way	western terminus to Palomar Oaks Way	3,626
Wilson Avenue	Forest Avenue to Buena Vista Way	3,232

**Table B.1
Roadways without Sidewalks and Length of Sidewalk Infill**

Roadway without Sidewalk	Segment	Length of Missing Sidewalks*
Woodland Way	Chestnut Avenue southern terminus	664
Woodvale Drive	Park Drive to West Haven Drive	700
Yarrow Drive	Palomar Airport Road to Camino Vida Roble	3,794
Yourell Avenue	Pio Pico Drive to Highland Drive	1,896
Total Cost: 277,658 feet of missing sidewalk @ \$45/LF		= \$12,494,610

Source: Alta Planning + Design; March 2008

Note:

* The length of missing sidewalks was calculated by multiplying the length of the roadway segment with no sidewalks times two. This accounts for sidewalk construction along both sides of the roadway.

**Table B.2
Intersections Requiring Installation of Truncated Domes**

Alicante Road / Alga Road	Carlsbad Village Drive / Tamarack Avenue
Alicante Road / Poinsettia Lane	College Boulevard / Aviara Parkway / Palomar Airport Road
Avenida Encinas / Cannon Road	College Boulevard / Cannon Road
Avenida Encinas / Palomar Airport Road	College Boulevard / Faraday Avenue
Avenida Encinas / Poinsettia Lane	El Camino Real / Aviara Parkway / Alga Road
Aviara Parkway / Poinsettia Lane	El Camino Real / Calle Barcelona
Camino de los Coches / La Costa Avenue	El Camino Real / Camino Vida Roble
Camino Junipero / La Costa Avenue	El Camino Real / Cannon Road
Camino Vida Roble / Palomar Airport Road	El Camino Real / Carlsbad Village Drive
Carlsbad Boulevard / Avenida Encinas	El Camino Real / College Boulevard
Carlsbad Boulevard / Cannon Road	El Camino Real / La Costa Avenue
Carlsbad Boulevard / Carlsbad Village Drive	El Camino Real / Marron Road
Carlsbad Boulevard / Palomar Airport Road	El Camino Real / Palomar Airport Road
Carlsbad Boulevard / Poinsettia Lane	El Camino Real / Poinsettia Lane
Carlsbad Boulevard / Tamarack Avenue	El Camino Real / Tamarack Avenue
El Fuerte Street / Alga Road	Monroe Street / Carlsbad Village Drive
El Fuerte Street / Faraday Avenue	Monroe Street / Marron Road
El Fuerte Street / Palomar Airport Road	Paseo del Norte / Cannon Road
El Fuerte Street / Poinsettia Lane	Paseo del Norte / Palomar Airport Road
Hidden Valley Road / Palomar Airport Road	Paseo del Norte / Poinsettia Lane
Melrose Drive / Alga Road	Rancho Santa Fe Road / Calle Barcelona
Melrose Drive / Palomar Airport Road	Rancho Santa Fe Road / Camino de los Coches
Melrose Drive / Poinsettia Lane	Rancho Santa Fe Road / Camino Junipero
Total Cost: 46 intersections x 4 truncated domes at each intersection x \$400 each	
= \$73,600	

Source: Alta Planning + Design; March 2008

**Table B.3
Recommended Locations for Installation of Audible Signals**

Alicante Road / Alga Road	El Camino Real / College Boulevard
Alicante Road / Poinsettia Lane	El Camino Real / Faraday Avenue
Avenida Encinas / Cannon Road	El Camino Real / La Costa Avenue
Avenida Encinas / Palomar Airport Road	El Camino Real / Marron Road
Avenida Encinas / Poinsettia Lane	El Camino Real / Palomar Airport Road
Aviara Parkway / Poinsettia Lane	El Camino Real / Poinsettia Lane
Camino de los Coches / La Costa Avenue	El Camino Real / Tamarack Avenue
Camino Junipero / La Costa Avenue	El Fuerte Street / Alga Road
Camino Vida Roble / Palomar Airport Road	El Fuerte Street / Faraday Avenue
Carlsbad Boulevard / Avenida Encinas	El Fuerte Street / Palomar Airport Road
Carlsbad Boulevard / Cannon Road	El Fuerte Street / Poinsettia Lane
Carlsbad Boulevard / Carlsbad Village Drive	Hidden Valley Road / Palomar Airport Road
Carlsbad Boulevard / Palomar Airport Road	Melrose Drive / Alga Road
Carlsbad Boulevard / Poinsettia Lane	Melrose Drive / Palomar Airport Road
Carlsbad Boulevard / Tamarack Avenue	Melrose Drive / Poinsettia Lane
Carlsbad Village Drive / Tamarack Avenue	Monroe Street / Carlsbad Village Drive
College Boulevard / Aviara Parkway / Palomar Airport Road	Monroe Street / Marron Road
College Boulevard / Cannon Road	Paseo del Norte / Cannon Road
College Boulevard / Faraday Avenue	Paseo del Norte / Palomar Airport Road
El Camino Real / Aviara Parkway / Alga Road	Paseo del Norte / Poinsettia Lane
El Camino Real / Calle Barcelona	Rancho Santa Fe Road / Calle Barcelona
El Camino Real / Camino Vida Roble	Rancho Santa Fe Road / Camino de los Coches
El Camino Real / Cannon Road	Rancho Santa Fe Road / Camino Junipero
El Camino Real / Carlsbad Village Drive	Rancho Santa Fe Road / La Costa Avenue
Total Cost: 48 intersections x 4 audible signals at each intersection x \$800 each = \$153,600	

Source: Alta Planning + Design; March 2008

**Table B.4
Recommended Locations for Upgrading
Crosswalks to High Visibility Ladder Crosswalks**

Intersection or Roadway Segment
Paseo del Norte / Elder Court
Harding Street / Oak Street
Harding Street / Pine Avenue
Grand Avenue between State Street and Roosevelt Street
Total Cost: 4 intersections x 4 High Visibility Crosswalks each x \$1,200 each = \$192,000

Source: Alta Planning + Design; March 2008

**Table B.5
Recommended Locations for Signage Upgrades at
Uncontrolled Intersection Crosswalks**

Uncontrolled Intersection	Type of Signage Improvement	Number of Signs
Paseo del Norte / Elder Court	Requires MUTCD compliant Arrow sign	1
Jefferson Street / Chestnut Avenue	Requires six MUTCD Pedestrian Crossing signs	6
Harding Street / Oak Street	Requires MUTCD compliant Arrow sign (pushing for stop sign)	1
Harding Street / Pine Avenue	Requires two MUTCD Pedestrian Crossing signs	2
State Street mid-block between Carlsbad Village Drive and Grand Avenue	Requires MUTCD compliant Arrow sign Sign placement should be closer to pedestrian crossing	2
Monroe Street / Magnolia Avenue	Requires MUTCD compliant Arrow sign	1
Garfield Street / Pacific Avenue	Requires MUTCD Pedestrian Crossing signs	2
Total Cost = 15 signs @ \$300 each		= \$4,500

Source: Alta Planning + Design; March 2008