

PUERTO RICO COASTAL STUDY

DRAFT INTEGRATED FEASIBILITY REPORT
AND ENVIRONMENTAL ASSESSMENT

APPENDIX H

Public Access and Cost Sharing

November 2020



**US Army Corps
of Engineers**
Jacksonville District

APPENDIX H

Puerto Rico Coastal Study Draft Integrated Feasibility Report and Environmental Assessment

Public Access and Cost Sharing Assessment

I. Overview

This appendix outlines cost sharing for the Tentatively Selected Plan (TSP) as determined by shoreline ownership and use. The TSP for the Puerto Rico Coastal study consists of a combination of structural features in specific locations designed to reduce the risk of damages as a result of wave attack, coastal flooding, and erosion in the Condado Pocket Beach, Punta Piedrita Headland, Ocean Park Pocket Beach, west side of Punta Las Marias, and Rincon B planning reaches. At this point in the study, The TSP includes:

- Beach nourishment (1,910 ft) along Condado Pocket Beach shoreline;
- Stone revetment on Punta Piedrita headland (2,450 ft)
- A breakwater field in combination of Beach nourishment protecting 6,810 ft along the Ocean Park Pocket Beach shoreline;
- Stone revetment on west side of Punta Las Marias headland (1,400 ft);
- Stone revetment (5,650 ft) along the Rincon shoreline

The current cost share estimates are based on policy guidance provided by Engineer Regulations (ER) 1105-2-100, Appendix E and ER 1165-2-130. Cost sharing for this project is determined by section 103(c)(5) of the Water Resources Development Act (WRDA) of 1986, which establishes a 65/35 (federal/non-federal) cost share for coastal storm risk management, except for private undeveloped shores or shorelines limited to private use. WRDA 1999 changed the cost sharing policy, previously provided by WRDA 1986, by setting a maximum federal share of periodic nourishment, carried out after 1 January 2003, to 50% for projects authorized for construction after 31 December 1999. Therefore, costs assigned to developed lands (publicly or privately owned) and undeveloped public lands are cost shared 65% federal and 35% non-federal for initial construction and 50% federal / 50% non-federal for periodic nourishment. Benefits from prevention of damages to transportation facilities are considered storm damage reduction benefits according to ER 1165-2-130 and are cost shared 65% federal and 35% non-federal for initial construction. "Transportation facilities" in the project area include street ends. Costs assigned to undeveloped, privately owned lands, even publicly accessible, are not federally cost shared (100% non-federal). Note that, for the purposes of this report, "developed" indicates the presence of buildings and/or other infrastructure such as roadways. Parks, parking lots, and vacant lots are not considered to be "developed" lands. If lands are not within ¼ mile north or ¼ mile south of public access and public parking, then the associated costs will be 100% non-federal.

The cost sharing for the project is determined to be 62% Federal and 38% Non-Federal for initial construction; and 48% Federal and 52% Non-Federal for periodic nourishments. **Table 1** shows the cost sharing estimates for initial construction and subsequent periodic nourishments.

Table 1. General Cost Sharing Summary for Initial Construction and Periodic Nourishments

Initial Construction Federal Participation	Initial Construction Non-Federal Participation	Periodic Nourishment Federal Participation	Periodic Nourishment Non-Federal Participation
62%	38%	48%	52%

II. Project area Description

Data from the Municipal Revenues Collection Center or CRIM, Google Earth and Google Maps were used to determine parcels information, shorefront length, access Type and access Description. **Figure 1** and **Figure 2** show the location of public access and parking for San Juan planning reaches and Rincon (R11-R19) respectively, where the TSP is being proposed. **Table 2** contains the total shoreline length and number of public access and parking by planning reach.

Figure 1. Public Beach Access Points for the San Juan Planning Reaches

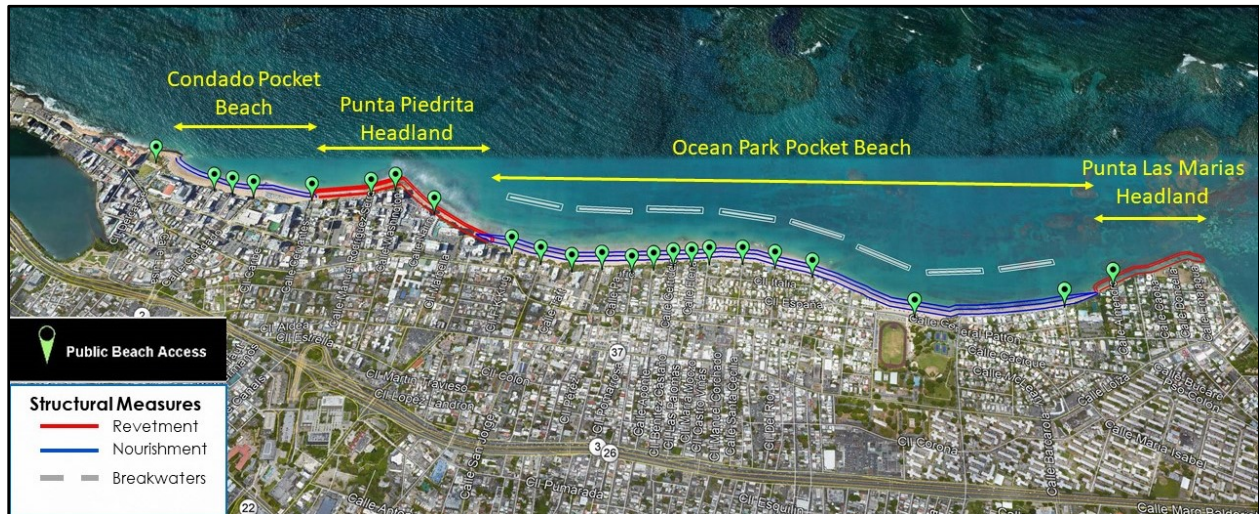


Figure 1-2. Public Beach Access Points for the Rincon B Planning Reach (R11-R19)



Table 2 Summary of total shoreline length and number of public access and parking by planning reach

Planning Reach	Total Shorefront Length (Feet)	Number of Public access with Parking	Total parking spaces
Condado Pocket Beach	2,325	5	260
PuntaPiedrita Headland	2,432	3	77
Ocean Park Pocket Beach	7,433	14	460
Punta Las Marias Headland	1,498	1	12
Rincon B (R11-R19)	5,645	7	61

Based on shorefront length information from CRIM data (verified using Google Earth), the total shoreline of the project area is estimated to be about 19,333 feet (or approximately 3.6 miles). The length of the Condado Pocket Beach project area is 2,325 feet (or approximately 0.44 miles); the total shoreline length of the Punta Piedrita Headland project area is 2,432 feet (or approximately 0.46 miles); the total shoreline length of the Ocean Park Pocket Beach project area is 7,433 feet (or approximately 1.41 miles); the total shoreline length of the Punta Las Marias Headland project area is 1,498 feet (or approximately 0.28 miles); the total shoreline length of the Rincon project area is 5,645 feet (or approximately 1.07 miles).

There are 12 parcels that are undeveloped privately owned lands with shorefront length of 810 feet; therefore, the costs associated with this area is covered 100% Non-Federal.

The rest of the properties in the study area, totaling an estimated 18,523 feet (approximately 3.5 miles), are publicly accessible (located within ¼ mile of public access and public parking), developed or undeveloped, public or private lands including transportation facilities comprised of street ends, and the cost share for these lands is covered 65% Federal, 35% non-Federal.

Overall, the cost share for the project area is estimated to be 62% Federal and 38% non-Federal for Initial construction, and 48% Federal and 52% non-Federal for future nourishment events. A summary is shown in **Table 3**.

Additional detail on how percentages were calculated are given in **Tables 4 to 8**.

Table 3. Cost Sharing Summary for Initial Construction and Periodic Nourishment

TENTATIVELY SELECTED PLAN PROJECT AREA							
Shore Ownership and Project Purpose (as defined in ER 1105-2-100)	INITIAL CONSTRUCTION				PERIODIC NOURISHMENT*		
	Maximum Level of Federal Participation in Construction Costs	Shoreline Length (Feet)	Shoreline Length X Federal Participation %	Shoreline Length X non-Federal Participation %	% Of Federal Participation for Periodic Nourishment	Shoreline Length X Federal Participation %	Shoreline Length X non-Federal Participation %
I. Federally Owned	100%	0	0	0	100%	0	0
II. Publicly and Privately Owned, Protection results in Public Benefits							
A. Costal Storm Risk Management (CSRM) on Developed Lands (Public/Private)	65%	17,718	11,517	6,201	50%	8,859	8,859
B. CSRM on Undeveloped Public Lands**	65%	805	523	282	50%	403	403
C. CSRM on Undeveloped Private Lands	0%	810	-	810	0%	-	810
III. Privately Owned, Use limited to private interest (No public access within 1/4 mile)	0%	0	0	0	0%	0	0
IV. CBRA Zone	0%	0	0	0	0%	0	0
	Total Distance:	19,333	12,040	7,293	Total Distance:	9,262	10,072
		Cost Shares:	62%	38%	Cost Shares:	48%	52%
* Periodic nourishment is considered "construction"							
** Non-Federal public shores dedicated to recreation or fish and wildlife purposes							

Table 4. Detailed Cost Sharing for Initial Construction and Periodic Nourishment for Condado Pocket Beach

CATASTRAL NUMBER	PHYSICAL ADDRESS	DESCRIPTION	PARCEL TYPE/ OWNERSHIP	SHORELINE FRONT FOOTAGE (FEET)	ACCESS TYPE	# OF PARKING SPACES	WITHIN 1/4 MILE OF ACCESS WITH PARKING	SHORELINE OWNERSHIP & PROJECT PURPOSE	INITIAL CONSTRUCTION LEVEL OF FEDERAL PARTICIPATION (%)	PERIODIC NOURISHMENT LEVEL OF FEDERAL PARTICIPATION (%)	INITIAL CONSTRUCTION % FEDERAL PARTICIPATION X SHORELINE LENGTH (FEET)	PERIODIC NOURISHMENT % FEDERAL PARTICIPATION X SHORELINE LENGTH (FEET)	NOTES
040-028-001-01	STREET END	DEVELOPED	PUBLIC	16	Public Access	198		IIA	65%	50%	11	8	Includes Parking from a lot 0.21 miles west of access and Street Parking (Avenida Ashford and Cll Mariano Ramirez Bages)
040-028-001-30	LA VENTANA AL MAR PARK	UNDEVELOPED	PUBLIC	287			Y	IIB	65%	50%	187	144	
040-029-001-27	AVE CONDADO	DEVELOPED	PRIVATE	355			Y	IIA	65%	50%	231	177	
040-039-001-28	AVE. CONDADO	DEVELOPED	PRIVATE	184			Y	IIA	65%	50%	119	92	
040-039-002-04	COND SEA VIEW 1123 APT ## SANTURCE	DEVELOPED	PRIVATE	50			Y	IIA	65%	50%	33	25	
040-039-002-14	SANTURCE NORTE SANTURCE	DEVELOPED	PRIVATE	53			Y	IIA	65%	50%	35	27	
040-039-002-15	SEA VIEW SANTURCE	DEVELOPED	PRIVATE	56			Y	IIA	65%	50%	37	28	
040-039-002-16	SEA VIEW E 1125 VENDIG SANTURCE	DEVELOPED	PRIVATE	64			Y	IIA	65%	50%	42	32	
	STREET END	DEVELOPED	PUBLIC	36	Public Access	14		IIA	65%	50%	23	18	Street Parking (Cille Seaview and Cille Vendig)
040-039-003-05	VENDING 1 SANTURCE	DEVELOPED	PRIVATE	92			Y	IIA	65%	50%	60	46	
040-039-003-09	CALLE EARLE SANTURCE	DEVELOPED	PRIVATE	105			Y	IIA	65%	50%	68	52	
	STREET END	DEVELOPED	PUBLIC	38	Public Access	18		IIA	65%	50%	25	19	Street Parking (Calle Earle)
040-039-004-01	COND STELLA MARIS APT ## CONDADO	DEVELOPED	PRIVATE	212			Y	IIA	65%	50%	138	106	
	STREET END	DEVELOPED	PUBLIC	63	Public Access	15		IIA	65%	50%	41	32	Street Parking (Calle Condado)
040-039-005-01	1309 AVE ASHFORD HOTEL SAN JUAN MARIOTT	DEVELOPED	PRIVATE	442			Y	IIA	65%	50%	287	221	
040-039-005-04	EST 90 AVE ASHFORD #### COND ACQUAMARIN	DEVELOPED	PRIVATE	94			Y	IIA	65%	50%	61	47	
040-039-005-05	COND CALLE CERVANTES	DEVELOPED	PRIVATE	142			Y	IIA	65%	50%	92	71	
	STREET END	DEVELOPED	PUBLIC	35	Public Access	15		IIA	65%	50%	23	17	Street Parking (Calle Cervantes)
				TOTAL LENGTH (FEET) =	TOTAL	260							
				TOTAL LENGTH (MILES) =		0.44							
IIA	2038												
IIB	287												
IIC	0												

Table 5. Detailed Cost Sharing for Initial Construction and Periodic Nourishment for Punta Piedrita Headland

CATASTRAL NUMBER	PHYSICAL ADDRESS	DESCRIPTION	PARCEL TYPE/ OWNERSHIP	SHORELINE FRONT FOOTAGE (FEET)	ACCESS TYPE	# OF PARKING SPACES	WITHIN 1/4 MILE OF ACCESS WITH PARKING	SHORELINE OWNERSHIP & PROJECT PURPOSE	INITIAL CONSTRUCTION LEVEL OF FEDERAL PARTICIPATION (%)	PERIODIC NOURISHMENT LEVEL OF FEDERAL PARTICIPATION (%)	INITIAL CONSTRUCTION % FEDERAL PARTICIPATION X SHORELINE LENGTH (FEET)	PERIODIC NOURISHMENT % FEDERAL PARTICIPATION X SHORELINE LENGTH (FEET)	NOTES
040-039-006-15	COND CERVANTES APTO # SANTURCE	DEVELOPED	PRIVATE	139			Y	IIA	65%	50%	90	69	
040-040-006-02	COND CANDINA REEF APT ### SANTURCE	DEVELOPED	PRIVATE	166			Y	IIA	65%	50%	108	83	
	PUBLIC ROAD	DEVELOPED	PUBLIC	359			Y	IIA	65%	50%	233	180	
	STREET END	DEVELOPED	PUBLIC	43	Public Access	50		IIA	65%	50%	28	21	Street Parking (PSO Don Juan and Calle Manuel Rodriguez Serra)
040-040-008-04	COND OLYMPIC TOWERS APT # CONDADO	DEVELOPED	PRIVATE	166			Y	IIA	65%	50%	108	83	
040-040-008-01	COND CONDADO PRINCESS APT #### SANTURCE	DEVELOPED	PRIVATE	134			Y	IIA	65%	50%	87	67	
	STREET END	DEVELOPED	PUBLIC	28	Public Access	20		IIA	65%	50%	18	14	Street Parking (Calle Washington)
040-040-010-02	CONDominio SOLEMAR SANTURCE	DEVELOPED	PRIVATE	149			Y	IIA	65%	50%	97	74	
040-040-010-01	SANTURCE NORTE SANTURCE	DEVELOPED	PRIVATE	288			Y	IIA	65%	50%	187	144	
040-040-010-03	APT ## 3 CALLE NAIRN COND OCEANICA	DEVELOPED	PRIVATE	151			Y	IIA	65%	50%	98	76	
	STREET END	DEVELOPED	PUBLIC	51	Public Access	7		IIA	65%	50%	33	26	Parking up to 0.10 miles from access
040-040-011-01	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	96			Y	IIA	65%	50%	62	48	
040-040-011-04	COND CONDADO DEL MAR APT ### SANTURCE	DEVELOPED	PRIVATE	326			Y	IIA	65%	50%	212	163	
040-040-011-06	SAINT MARYS PLAZA S/N APTO #### CONDADO	DEVELOPED	PRIVATE	337			Y	IIA	65%	50%	219	169	
				TOTAL LENGTH (FEET) =	TOTAL	77							
				TOTAL LENGTH (MILES) =									
				2432									
IIA	2432												
IIB													
IIC													

Table 6. Detailed Cost Sharing for Initial Construction and Periodic Nourishment for Ocean Park Pocket Beach (Page 1 of 2)

CATASTRAL NUMBER	PHYSICAL ADDRESS	DESCRIPTION	PARCEL TYPE/ OWNERSHIP	SHORELINE FRONT FOOTAGE (FEET)	ACCESS TYPE	# OF PARKING SPACES	WITHIN 1/4 MILE OF ACCESS WITH PARKING	SHORELINE OWNERSHIP & PROJECT PURPOSE	INITIAL CONSTRUCTION LEVEL OF FEDERAL PARTICIPATION (%)	PERIODIC NOURISHMENT LEVEL OF FEDERAL PARTICIPATION (%)	INITIAL CONSTRUCTION % FEDERAL PARTICIPATION X SHORELINE LENGTH (FEET)	PERIODIC NOURISHMENT % FEDERAL PARTICIPATION X SHORELINE LENGTH (FEET)	NOTES
040-040-011-32	APT 2 B DR ASHFORD NUM 1501 SANTURCE	DEVELOPED	PRIVATE	105			Y	IIA	65%	50%	68	52	
040-040-011-07	COND LAS OLAS APT 7 A SANTURCE	DEVELOPED	PRIVATE	118			Y	IIA	65%	50%	77	59	
041-031-011-21	PARQUE DEL INDIO	UNDEVELOPED	PUBLIC	177	Public Access	40		IIB	65%	50%	115	88	Parking along CLL F K Krug (0.17 mi from access)
041-031-011-26	COND TENERIFE APT ## SANTURCE	DEVELOPED	PRIVATE	134			Y	IIA	65%	50%	87	67	
041-031-011-27	APT ## KINGS COURT NUM 52 SANTURCE	DEVELOPED	PRIVATE	113			Y	IIA	65%	50%	73	56	
	STREET END	DEVELOPED	PUBLIC	52	Public Access	6		IIA	65%	50%	34	26	Parking up to 0.19 mi from access
041-041-125-01	COND OCEAN COURT APT ## SANTURCE	DEVELOPED	PRIVATE	117			Y	IIA	65%	50%	76	58	
041-041-125-26	KINGS COURT PLAZA APT ### SANTURCE	DEVELOPED	PRIVATE	134			Y	IIA	65%	50%	87	67	
041-041-125-03	COND COSTA AZUL APTO ## SANTURCE	DEVELOPED	PRIVATE	85			Y	IIA	65%	50%	55	42	
	STREET END	DEVELOPED	PUBLIC	31	Public Access	28		IIA	65%	50%	20	16	Parking up to 0.18 mi from access
041-041-126-15	COND PLAYA GRANDE APTO ### SANTURCE	DEVELOPED	PRIVATE	228			Y	IIA	65%	50%	148	114	
041-041-126-16	PARK 93 COND CARRION COURT PLAYA COND	DEVELOPED	PRIVATE	176			Y	IIA	65%	50%	114	88	
	STREET END	DEVELOPED	PUBLIC	43	Public Access	16		IIA	65%	50%	28	21	Parking up to 0.11 mi from access
041-041-127-17	COND CARRION COURT III APT ###	DEVELOPED	PRIVATE	118			Y	IIA	65%	50%	77	59	
041-041-127-01	PACIFIC 4 SANTURCE	UNDEVELOPED	PRIVATE	50			Y	IIC	0%	0%	0	0	
041-041-127-18	PACIFIC 1805 SANTURCE	UNDEVELOPED	PRIVATE	29			Y	IIC	0%	0%	0	0	
041-041-127-21	PACIFIC PLACE OCEAN PARK SANTURCE	UNDEVELOPED	PRIVATE	30			Y	IIC	0%	0%	0	0	
041-041-127-19	PACIFIC 1807 SANTURCE	DEVELOPED	PRIVATE	46			Y	IIA	65%	50%	30	23	
041-041-127-20	PACIFIC PLACE 1809 OCEAN PARK	DEVELOPED	PRIVATE	35			Y	IIA	65%	50%	23	18	
	STREET END	DEVELOPED	PUBLIC	27	Public Access	39		IIA	65%	50%	18	14	Parking along Calle Atlantic Pl and Calle Pacific (0.10 mi from access)
041-041-131-01	ATLANTIC PLACE 1 OCEAN PARK	DEVELOPED	PRIVATE	113			Y	IIA	65%	50%	73	57	
041-041-131-23	6 CALLE YARDLEY PLACE BO SANTURCE	UNDEVELOPED	PRIVATE	104			Y	IIC	0%	0%	0	0	
	STREET END	DEVELOPED	PUBLIC	34	Public Access	20		IIA	65%	50%	22	17	Parking up to 0.12 miles from access
041-041-132-01	PLAYA 1858 SANTURCE	DEVELOPED	PRIVATE	96			Y	IIA	65%	50%	62	48	
041-041-132-02	GERTRUDIS ESQ PLAYA SANTURCE	DEVELOPED	PRIVATE	102			Y	IIA	65%	50%	66	51	
	STREET END	DEVELOPED	PUBLIC	32	Public Access	10		IIA	65%	50%	21	16	Parking up to 0.12 miles from access
041-041-133-01	GERTRUDIS Y PLAYA 3 SANTURCE	DEVELOPED	PRIVATE	51			Y	IIA	65%	50%	33	26	
041-041-133-02	PLAYA 902 SANTURCE	DEVELOPED	PRIVATE	52			Y	IIA	65%	50%	34	26	
041-041-133-03	ELENA ESQ PLAYA 2 SANTURCE	DEVELOPED	PRIVATE	79			Y	IIA	65%	50%	52	40	
	STREET END	DEVELOPED	PUBLIC	32	Public Access	13		IIA	65%	50%	21	16	Parking up to 0.11 miles from access
041-041-134-01	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	78			Y	IIA	65%	50%	51	39	
041-041-134-02	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	85			Y	IIA	65%	50%	55	42	
	STREET END	DEVELOPED	PUBLIC	54	Public Access	28		IIA	65%	50%	35	27	Parking up to 0.12 miles from access
041-032-136-07	STA ANA ESQ OCEAN PARK 1 SANTURCE	DEVELOPED	PRIVATE	96			Y	IIA	65%	50%	62	48	
041-032-136-03	ITALIA 1957 SANTURCE	UNDEVELOPED	PRIVATE	74			Y	IIC	0%	0%	0	0	
041-032-136-04	ITALIA 1959 SANTURCE	DEVELOPED	PRIVATE	69			Y	IIA	65%	50%	45	34	
041-032-136-05	STA CECILIA 2 ESQ PLAYA SANTURCE	DEVELOPED	PRIVATE	99			Y	IIA	65%	50%	64	50	
	STREET END	DEVELOPED	PUBLIC	45	Public Access	20		IIA	65%	50%	29	23	Parking up to 0.12 miles from access
041-032-140-01	SANTA CECILIA ESQ PLAYA 1	DEVELOPED	PRIVATE	95			Y	IIA	65%	50%	62	48	
041-032-140-02	ITALIA 2005 SANTURCE	DEVELOPED	PRIVATE	116			Y	IIA	65%	50%	75	58	
041-032-140-03	SAN MIGUEL O PARK 1 SANTURCE	DEVELOPED	PRIVATE	125			Y	IIA	65%	50%	82	63	

Table 6. Detailed Cost Sharing for Initial Construction and Periodic Nourishment for Ocean Park Pocket Beach (Page 2 of 2)

	STREET END	DEVELOPED	PUBLIC	39	Public Access	13		IIA	65%	50%	25	19	Parking up to 0.12 miles from access
041-032-144-01	SAN MIGUEL 1 OCEAN PARK	DEVELOPED	PRIVATE	97			Y	IIA	65%	50%	63	49	
041-042-144-06	COND ARENAMAR APT # ITALIA 2019	DEVELOPED	PRIVATE	64			Y	IIA	65%	50%	42	32	
041-042-144-05	ITALIA 2021 OCEAN PARK	DEVELOPED	PRIVATE	63			Y	IIA	65%	50%	41	31	
041-042-144-04	2025 CALLE ITALIA URB OCEAN PARK	DEVELOPED	PRIVATE	62			Y	IIA	65%	50%	40	31	
041-042-144-03	APT # ITALIA NO #### SANTURCE	DEVELOPED	PRIVATE	111			Y	IIA	65%	50%	72	56	
	STREET END	DEVELOPED	PUBLIC	43	Public Access	16		IIA	65%	50%	28	21	Parking up to 0.11 miles from access
041-042-148-04	TAPIA 1 A OCEAN PARK	DEVELOPED	PRIVATE	148			Y	IIA	65%	50%	97	74	
041-042-148-01	RAMBLA DE ANTITRITE 2 SANTURCE	DEVELOPED	PRIVATE	115			Y	IIA	65%	50%	75	58	
	STREET END	DEVELOPED	PUBLIC	40			Y	IIA	65%	50%	26	20	
041-042-152-08	OCEAN PARK SANTURCE	DEVELOPED	PRIVATE	72			Y	IIA	65%	50%	47	36	
041-042-152-06	RAMPLA DEL ALMIRANTE APT # NUM # SANTURCE	DEVELOPED	PRIVATE	70			Y	IIA	65%	50%	45	35	
	STREET END	DEVELOPED	PUBLIC	39			Y	IIA	65%	50%	25	20	
041-042-153-14	NUM 3 OCEAN PARK CALLE RAMPLA DEL ALMIRANTE	UNDEVELOPED	PRIVATE	101			Y	IIC	0%	0%	0	0	
	NO CONTACT INFORMATION	UNDEVELOPED	PRIVATE	14			Y	IIC	0%	0%	0	0	
041-042-153-13	2067 CALLE ESPAÑA APT # URB OCEAN PARK	DEVELOPED	PRIVATE	30			Y	IIA	65%	50%	19	15	
041-042-153-12	CALLE ESPANA SANTURCE	DEVELOPED	PRIVATE	29			Y	IIA	65%	50%	19	14	
041-042-153-11	CALLE ESPANA SANTURCE	DEVELOPED	PRIVATE	27			Y	IIA	65%	50%	18	14	
041-042-153-10	COND MADEIRA LOTE 4	DEVELOPED	PRIVATE	28			Y	IIA	65%	50%	18	14	
041-042-153-09	CALLE ESPANA SANTURCE	DEVELOPED	PRIVATE	29			Y	IIA	65%	50%	19	14	
041-042-153-08	CALLE ESPANA SANTURCE	DEVELOPED	PRIVATE	127			Y	IIA	65%	50%	83	64	
041-043-621-01	PUBLIC ROAD AND BARBOSA PARK INFRASTRUCTURE	DEVELOPED	PUBLIC	956	Public Access	189		IIA	65%	50%	621	478	Parking surrounding Barbosa Park (<0.25 mi from access) and Parking up to 0.14 miles from access (S and W)
041-043-155-01	PARK BLVD SANTURCE	UNDEVELOPED	PRIVATE	74			Y	IIC	0%	0%	0	0	
041-043-155-02	PARK BLVD 2152 SANTURCE	DEVELOPED	PRIVATE	53			Y	IIA	65%	50%	35	27	
041-043-155-03	PARK BLVD SANTURCE	DEVELOPED	PRIVATE	55			Y	IIA	65%	50%	36	28	
041-043-155-04	PARK BLVD 2156 SANTURCE	DEVELOPED	PRIVATE	53			Y	IIA	65%	50%	34	26	
041-043-155-05	PARK BOULEVARD 2158 SANTURCE	DEVELOPED	PRIVATE	51			Y	IIA	65%	50%	33	25	
041-043-155-06	PARK BLVD 2160 SANTURCE	UNDEVELOPED	PRIVATE	53			Y	IIC	0%	0%	0	0	
041-043-155-07	2162 PARK BOULEVARD URB STA TERESITA	DEVELOPED	PRIVATE	56			Y	IIA	65%	50%	36	28	
041-043-155-08	PARK BOULEVARD 2164 SANTURCE	DEVELOPED	PRIVATE	50			Y	IIA	65%	50%	32	25	
041-043-155-09	PARK BOULEVARD 2166 SANTURCE	DEVELOPED	PRIVATE	57			Y	IIA	65%	50%	37	28	
041-043-155-10	PARK BOULEVARD 2168 SANTURCE	DEVELOPED	PRIVATE	64			Y	IIA	65%	50%	42	32	
041-043-158-01	PARK BOULEVARD 2200 OCEAN PARK SANTURCE	DEVELOPED	PRIVATE	102			Y	IIA	65%	50%	66	51	
041-043-158-02	PARK BLVD 2204 SANTURCE	DEVELOPED	PRIVATE	52			Y	IIA	65%	50%	34	26	
041-043-158-03	PARK BLVD 2206 SANTURCE	DEVELOPED	PRIVATE	52			Y	IIA	65%	50%	34	26	
041-043-158-04	PARK BOULEVARD 2208 SANTURCE	DEVELOPED	PRIVATE	52			Y	IIA	65%	50%	34	26	
041-043-158-05	PARK BLVD 2210 SANTURCE	DEVELOPED	PRIVATE	53			Y	IIA	65%	50%	35	27	
041-043-158-21	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	106			Y	IIA	65%	50%	69	53	
041-043-158-08	PARK BLVD 2216 SANTURCE	DEVELOPED	PRIVATE	52			Y	IIA	65%	50%	34	26	
041-043-158-09	PARK BLVD 2218 ALTOS SANTURCE	DEVELOPED	PRIVATE	53			Y	IIA	65%	50%	34	26	
041-043-158-10	PARK BLVD 2220 SANTURCE	DEVELOPED	PRIVATE	77			Y	IIA	65%	50%	50	38	
	STREET END	DEVELOPED	PUBLIC	47	Public Access	22		IIA	65%	50%	31	24	Parking up to 0.14 miles from access (S and W)
041-043-159-12	GUERRERO NOBLE 1 PARK BOULEVARD	DEVELOPED	PRIVATE	108			Y	IIA	65%	50%	70	54	
041-044-159-05	COND PARK BOULEVARD APT ## N SANTURCE	DEVELOPED	PRIVATE	333			Y	IIA	65%	50%	216	167	
			TOTAL LENGTH (FEET) =	7433	TOTAL	460							
			TOTAL LENGTH (MILES) =	1.41									
	IIA	6730											
	IIB	177											
	IIC	527											

Table 7. Detailed Cost Sharing for Initial Construction and Periodic Nourishment for Punta Las Marias Headland

CATASTRAL NUMBER	PHYSICAL ADDRESS	DESCRIPTION	PARCEL TYPE/ OWNERSHIP	SHORELINE FRONT FOOTAGE (FEET)	ACCESS TYPE	# OF PARKING SPACES	WITHIN 1/4 MILE OF ACCESS WITH PARKING	SHORELINE OWNERSHIP & PROJECT PURPOSE	INITIAL CONSTRUCTION LEVEL OF FEDERAL PARTICIPATION (%)	PERIODIC NOURISHMENT LEVEL OF FEDERAL PARTICIPATION (%)	INITIAL CONSTRUCTION % FEDERAL PARTICIPATION X SHORELINE	PERIODIC NOURISHMENT % FEDERAL PARTICIPATION X SHORELINE	NOTES
041-044-159-13	ALMENDRO 2 PTA LAS MARIAS	DEVELOPED	PRIVATE	205			Y	IIA	65%	50%	133	102	
	STREET END	DEVELOPED	PUBLIC	46	Public Access	12		IIA	65%	50%	30	23	Parking up to 0.12 miles from access
041-044-161-20	PUNTA LAS MARIAS COND AZURE BEACH APT ###	DEVELOPED	PRIVATE	158			Y	IIA	65%	50%	103	79	
041-044-161-02	BUCARE 4 SANTURCE	DEVELOPED	PRIVATE	138			Y	IIA	65%	50%	89	69	
	STREET END	DEVELOPED	PUBLIC	56			Y	IIA	65%	50%	36	28	Parking up to 0.14 miles from access - Potentially 15 parking spaces
041-044-163-25	42 BUCARE PTA LAS MARIAS COND PIAZZETTA BUCAR	DEVELOPED	PRIVATE	107			Y	IIA	65%	50%	69	53	
041-044-163-02	CAOBA NUM 4 PTA LAS MARIAS SANTURCE	DEVELOPED	PRIVATE	109			Y	IIA	65%	50%	71	54	
	STREET END	DEVELOPED	PUBLIC	44			Y	IIA	65%	50%	29	22	Parking up to 0.16 miles from access - potentially 8 parking spaces
041-034-165-01	CALLE CAOBA CASA 1 URB PUNTA LAS MARIAS	UNDEVELOPED	PRIVATE	104			Y	IIC	0%	0%	0	0	
041-034-165-02	DONCELLA TERMAL 4 SANTURCE	DEVELOPED	PRIVATE	105			Y	IIA	65%	50%	68	53	
	STREET END	DEVELOPED	PUBLIC	45			Y	IIA	65%	50%	29	23	Parking up to 0.06 miles from access - potentially 12 parking spaces
041-044-168-01		UNDEVELOPED	PRIVATE	96			Y	IIC	0%	0%	0	0	
041-034-168-02	COND EMAJAGUA COURT APT ##	DEVELOPED	PRIVATE	135			Y	IIA	65%	50%	88	67	
	STREET END	DEVELOPED	PUBLIC	46			Y	IIA	65%	50%	30	23	Parking up to 0.07 miles from access - potentially 30 parking spaces
041-034-170-05	#4 EMAJAGUA PUNTA LAS MARIAS	DEVELOPED	PRIVATE	106			Y	IIA	65%	50%	69	53	
				TOTAL LENGTH (FEET) =	1498	TOTAL	12						
				TOTAL LENGTH (MILES) =	0.28								
IIA	1299												
IIB													
IIC	200												

Table 8. Detailed Cost Sharing for Initial Construction and Periodic Nourishment for Rincon (R11-R19) (Page 1 of 2)

CATASTRAL NUMBER	PHYSICAL ADDRESS	DESCRIPTION	PARCEL TYPE	SHORELINE FRONT FOOTAGE (FEET)	ACCESS TYPE	PARKING SPACES	WITHIN 1/4 MILE OF ACCESS WITH PARKING	SHORELINE OWNERSHIP & PROJECT PURPOSE	INITIAL CONSTRUCTION LEVEL OF FEDERAL PARTICIPATION (%)	PERIODIC NOURISHMENT LEVEL OF FEDERAL PARTICIPATION (%)	INITIAL CONSTRUCTION % FEDERAL PARTICIPATION X SHORELINE LENGTH (FEET)	PERIODIC NOURISHMENT % FEDERAL PARTICIPATION X SHORELINE LENGTH (FEET)	ACCESS DESCRIPTION
124-030-165-01	SEA BEACH SOLAR 4 BO PUEBLO	DEVELOPED	PRIVATE	94			Y	IIA	65%	50%	61	47	
124-030-165-02	SOLAR 3 BO PUEBLO	DEVELOPED	PRIVATE	56			Y	IIA	65%	50%	37	28	
124-030-165-03	CALLE A SOLAR 2 BO PUEBLO	DEVELOPED	PRIVATE	54			Y	IIA	65%	50%	35	27	
124-030-165-04	SEA BEACH SOLAR 1 BO PUEBLO	DEVELOPED	PRIVATE	92			Y	IIA	65%	50%	60	46	
	STREET END	DEVELOPED	PUBLIC	25	Public Access	3		IIA	65%	50%	16	12	Canal Avenue
124-040-111-05	SOLAR 16 BO PUEBLO	DEVELOPED	PRIVATE	75			Y	IIA	65%	50%	49	38	
124-040-111-07	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	48			Y	IIA	65%	50%	31	24	
124-040-111-04	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	69			Y	IIA	65%	50%	45	34	
	STREET END	DEVELOPED	PUBLIC	10	Public Access	3		IIA	65%	50%	6	5	Unnamed Street near Canal Avenue - Possible pedestrian access and blocked vehicle access (Google Maps)
124-040-112-01	BO PUEBLO 19 PELICAN WALK	DEVELOPED	PRIVATE	84			Y	IIA	65%	50%	55	42	
124-040-112-06	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	85			Y	IIA	65%	50%	55	42	
	STREET END	DEVELOPED	PUBLIC	22	Public Access	3		IIA	65%	50%	15	11	Old Colony Road - pedestrian access and unknown vehicle access (Google Maps)
124-040-167-03	SOLAR 4 BO PUEBLO	DEVELOPED	PRIVATE	71			Y	IIA	65%	50%	46	35	
124-040-167-04	BO PUEBLO SOLAR 3	DEVELOPED	PRIVATE	112			Y	IIA	65%	50%	73	56	
124-040-167-05	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	98			Y	IIA	65%	50%	64	49	
124-040-167-13	CARR 115 KM HM 100 BO PUEBLO 5	UNDEVELOPED	PRIVATE	83			Y	IIC	0%	0%	0	0	
	STREET END	DEVELOPED	PUBLIC	39	Public Access	6		IIA	65%	50%	25	19	Sea Beach Drive - Pedestrian access and unknown vehicle access (Google Maps)
124-040-065-29	BO PUEBLO SOLAR 20	DEVELOPED	PRIVATE	89			Y	IIA	65%	50%	58	44	
124-040-065-23	BO PUEBLO HOTEL RINCON OF THE SEAS	DEVELOPED	PRIVATE	252			Y	IIA	65%	50%	164	126	
124-050-065-24	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	378			Y	IIA	65%	50%	246	189	
124-050-065-02	VILLA COFRESI ALA VIEJA 10	DEVELOPED	PRIVATE	25			Y	IIA	65%	50%	16	12	
124-050-065-03	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	284			Y	IIA	65%	50%	185	142	
124-050-065-04	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	95			Y	IIA	65%	50%	62	48	
124-050-065-05	COM STELLA PARC 31	DEVELOPED	PRIVATE	87			Y	IIA	65%	50%	57	43	
	STREET END	DEVELOPED	PUBLIC	29	Public Access	20		IIA	65%	50%	19	14	16 Street - Pedestrian access and vehicle access (Google Maps)
124-050-001-01	3 COM.ETELLA BO PUEBLO	DEVELOPED	PRIVATE	90			Y	IIA	65%	50%	59	45	
124-050-001-02	31-K BO.PUEBLO PARC ESTELA	DEVELOPED	PRIVATE	52			Y	IIA	65%	50%	34	26	
124-050-001-03	31-J PARC. ESTELA BO PUEBLO	DEVELOPED	PRIVATE	48			Y	IIA	65%	50%	31	24	
124-050-001-04	31-I PARC. ESTELLA	DEVELOPED	PRIVATE	45			Y	IIA	65%	50%	29	22	
124-050-001-05	COM ESTELA	DEVELOPED	PRIVATE	54			Y	IIA	65%	50%	35	27	
124-050-001-06	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	44			Y	IIA	65%	50%	29	22	
124-050-001-36	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	44			Y	IIA	65%	50%	29	22	
124-050-001-37	31-Q BO.PUEBLO COMM STELLA	DEVELOPED	PRIVATE	45			Y	IIA	65%	50%	29	23	
124-050-001-38	BO PUEBLO COMM STELLA	DEVELOPED	PRIVATE	42			Y	IIA	65%	50%	27	21	
124-060-001-07	PARC STELLA 31 6	DEVELOPED	PRIVATE	43			Y	IIA	65%	50%	28	21	
124-060-001-08	BO PUEBLO COMM STELLA	DEVELOPED	PRIVATE	51			Y	IIA	65%	50%	33	26	
125-051-001-03	BO PUEBLO COMM STELLA	DEVELOPED	PRIVATE	54			Y	IIA	65%	50%	35	27	
125-051-001-10	BO PUEBLO COMM STELLA	DEVELOPED	PRIVATE	49			Y	IIA	65%	50%	32	24	
	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	10			Y	IIA	65%	50%	6	5	

Table 8. Detailed Cost Sharing for Initial Construction and Periodic Nourishment for Rincon (R11-R19) (Page 2 of 2)

125-051-001-11	31-C PARC STELLA	DEVELOPED	PRIVATE	62			Y	IIA	65%	50%	40	31	
125-051-001-12	BO PUEBLO BO PUEBLO	DEVELOPED	PRIVATE	67			Y	IIA	65%	50%	43	33	
125-051-001-13	COM STELLA 31 BO PUEBLO	DEVELOPED	PRIVATE	62			Y	IIA	65%	50%	40	31	
125-051-001-45	COM STELLA	DEVELOPED	PRIVATE	56			Y	IIA	65%	50%	36	28	
125-051-001-15	KM.HM 2.2 . CARR 412 BO CRUCES	DEVELOPED	PRIVATE	80			Y	IIA	65%	50%	52	40	
125-051-001-40	COM STELLA NO 29 A	DEVELOPED	PRIVATE	69			Y	IIA	65%	50%	45	35	
125-051-001-16	PARC 29 A COMM STELLA	DEVELOPED	PRIVATE	26			Y	IIA	65%	50%	17	13	
125-051-001-17	PARC 28 COMM STELLA	DEVELOPED	PRIVATE	40			Y	IIA	65%	50%	26	20	
125-051-001-18	COM STELLA 28 A	DEVELOPED	PRIVATE	48			Y	IIA	65%	50%	31	24	
125-051-001-19	BO PUEBLO COMM ESTELA	DEVELOPED	PRIVATE	76			Y	IIA	65%	50%	50	38	
125-051-001-20	26-A BO PUEBLO COMM STELLA	DEVELOPED	PRIVATE	46			Y	IIA	65%	50%	30	23	
125-051-001-21	COM STELLA 26 BO PUEBLO	DEVELOPED	PRIVATE	40			Y	IIA	65%	50%	26	20	
125-051-001-22	BO PUEBLO	DEVELOPED	PRIVATE	104			Y	IIA	65%	50%	67	52	
	STREET END	DEVELOPED	PUBLIC	32	Public Access	6	Y	IIA	65%	50%	21	16	10 Street - Pedestrian access
	PUBLIC ROAD	DEVELOPED	PUBLIC	375			Y	IIA	65%	50%	244	188	
125-061-006-21	PUBLIC PARK	UNDEVELOPED	PUBLIC	341	Public Access	20	Y	IIB	65%	50%	222	171	public/recreational area based on Google Maps Imagery.
125-061-006-03	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	51			Y	IIA	65%	50%	33	25	
125-061-006-04	COM STELLA 218 B	DEVELOPED	PRIVATE	50			Y	IIA	65%	50%	33	25	
125-061-006-05	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	64			Y	IIA	65%	50%	41	32	
125-061-006-06	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	48			Y	IIA	65%	50%	31	24	
125-061-006-07	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	53			Y	IIA	65%	50%	35	27	
125-061-006-08	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	61			Y	IIA	65%	50%	40	31	
125-061-006-09	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	50			Y	IIA	65%	50%	32	25	
125-061-006-10	CALLE 10 COMM STELLA	DEVELOPED	PRIVATE	54			Y	IIA	65%	50%	35	27	
125-061-006-11	COMM. STELLA BO. PUEBLO	DEVELOPED	PRIVATE	52			Y	IIA	65%	50%	34	26	
125-061-006-12	#240 COMM ESTELA	DEVELOPED	PRIVATE	50			Y	IIA	65%	50%	33	25	
125-061-006-13	COM ESTELA 242	DEVELOPED	PRIVATE	69			Y	IIA	65%	50%	45	34	
125-061-006-14	2968 10 COMM STELLA	DEVELOPED	PRIVATE	53			Y	IIA	65%	50%	35	27	
125-061-006-15	PARC 244 COMM STELLA	DEVELOPED	PRIVATE	51			Y	IIA	65%	50%	33	26	
125-061-006-16	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	45			Y	IIA	65%	50%	29	22	
	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	9			Y	IIA	65%	50%	6	5	
125-061-006-17	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	45			Y	IIA	65%	50%	29	23	
125-071-006-18	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	47			Y	IIA	65%	50%	30	23	
125-071-006-19	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	54			Y	IIA	65%	50%	35	27	
125-071-006-20	NO CONTACT INFORMATION	DEVELOPED	PRIVATE	60			Y	IIA	65%	50%	39	30	
125-071-057-17	KM.HM 10.8 CARR 115 BO CALVACHE SECTOR	DEVELOPED	PRIVATE	130			Y	IIA	65%	50%	84	65	
				TOTAL LENGTH (FEET) =	5645	TOTAL	61						
				TOTAL LENGTH (MILES) =	1.07								
IIA	5220												
IIB	341												
IIC	83												