

Schematic Construction Cost Estimate

San Juan Multimodal Transportation System

Calaf Street Connector

Revision Date: April 21, 2014



COMMONWEALTH OF
PUERTO RICO
Puerto Rico Infrastructure
Financing Authority

Item	Description	Quantity	Unit	Unit Price	Total Amount
1	Demolition				26,500.00
1.1	General Demolition	1	LS	26,500.00	26,500.00
2	Soil Erosion and Water Pollution Control				12,300.00
2.1	Construction Entrance/Exit	2	Ea	4,025.00	8,050.00
2.2	Straw Bales	250	Ea	17.00	4,250.00
3	Roadway, Sidewalks and Cycleways				598,266.40
3.1	Mobilization	1	LS	200,000.00	200,000.00
3.2	Portland Cement Concrete Sidewalk	2,632	SM	39.20	103,174.40
3.3	Concrete Curbs and Gutters	3,674	LM	58.00	213,092.00
3.4	Lead Base Paint Removal & Study	1	LS	32,000.00	32,000.00
3.5	M.O.T.	1	LS	50,000.00	50,000.00
4	Asphalt Pavement				389,779.75
4.1	Asphalt upper layer removal	649	SM	97.75	63,439.75
4.2	Hot Plant Mix- New Asphalt Pavement	2,205	Ton	148.00	326,340.00
5	Drainage System				240,000.00
5.1	Drainage System	1	LS	240,000.00	240,000.00
6	Traffic Signing & Pavement Marking				50,000.00
6.1	Traffic signing & Pavement Markings	1	LS	50,000.00	50,000.00
7	PRASA Utilities - Water				20,000.00
7.1	Modification	1	LS	20,000.00	20,000.00
8	PRASA Utilities - Sanitary Sewer				60,000.00
8.1	Modification	1	LS	20,000.00	20,000.00
8.2	Manhole adjustment	100	Ea	400.00	40,000.00

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Item	Description	Quantity	Unit	Unit Price	Total Amount
9	Lighting System				1,288,771.00
9.1	New lighting pole - Type A One arm	52	Ea	4,200.00	218,400.00
9.2	Assembly of new lighting pole - Type A One arm	52	Ea	436.00	22,672.00
9.3	Concrete bases for new lighting pole - Type A One arm	52	Ea	495.00	25,740.00
9.4	New lighting pole - Type A Two arms	77	Ea	5,200.00	400,400.00
9.5	Assembly of new lighting pole - Type A Two arms	77	Ea	436.00	33,572.00
9.6	Concrete bases for new lighting pole - Type A Two arms	77	Ea	495.00	38,115.00
9.7	New lighting pole Type B One arm	28	Ea	3,000.00	84,000.00
9.8	Assembly of new lighting pole Type B - One arm	28	Ea	436.00	12,208.00
9.9	Concrete bases for new lighting pole Type B One arm	28	Ea	495.00	13,860.00
9.10	New lighting pole Type B - Two arms	56	Ea	3,500.00	196,000.00
9.11	Assembly of new lighting pole Type B - Two arms	56	Ea	436.00	24,416.00
9.12	Concrete bases for new lighting pole Type B Two arms	56	Ea	495.00	27,720.00
9.13	Existing lighting poles removal	93	Ea	276.00	25,668.00
9.14	New conduits	1	LS	100,000.00	100,000.00
9.15	Electrical Utilities Relocation or Removal, if required	1	LS	66,000.00	66,000.00
10	Telephone Utilities				66,000.00
10.1	Telephone Utilities Relocation or Removal	1	LS	66,000.00	66,000.00
11	Cable TV Utilities				66,000.00
11.1	Cable TV Utilities Relocation or Removal	1	LS	66,000.00	66,000.00
12	Traffic Signal Systems				400,000.00
12.1	Maintenance and Minor repairs for 8 units	1	LS	400,000.00	400,000.00

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Item	Description	Quantity	Unit	Unit Price	Total Amount
13	Traffic Signal Systems				782,436.50
13.1	Existing trees removal or refurbish	1	LS	14,320.00	14,320.00
13.2	Planting of new trees	164	Ea	500.00	82,000.00
13.3	Top Soil	1,310	CM	70.00	91,700.00
13.4	Grass	46,238	SF	1.00	46,238.00
13.5	Installation of bicycle path precast curb	959	Ea	105.00	100,695.00
13.6	Provision and installation of bicycle racks	6	Ea	450.00	2,700.00
13.7	Provision and installation of benches	12	Ea	2,590.00	31,080.00
13.8	Provision and installation of drinking fountains	6	Ea	2,500.00	15,000.00
13.9	Provision and installation of bollards	35	Ea	679.00	23,765.00
13.10	Installation of new pavers pavement	8,433	SM	34.50	290,938.50
13.11	Provision and installation of bus stops	7	EA	12,000.00	84,000.00
Total Construction Cost Estimate					4,000,053.65