

RIO PUERTO NUEVO FLOOD CONTROL PROJECT

MUNICIPIO DE SAN JUAN LEGISLATURA MUNICIPAL COMISION DE URBANISMO, PLANIFICACION Y PERMISOS

4 FEBRUARY 2019

SAN JUAN, PUERTO RICO

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**US Army Corps
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File Name

BIPARTISAN BUDGET ACT OF 2018

- Public Law 115-123
- Passed February 08, 2018
- Provides funding and authority for the U.S. Army Corps of Engineers to address impacts caused by natural disasters. The law emphasizes states impacted by Hurricanes Harvey, Irma, and Maria
- Appropriates \$15,055,000,00
- \$2,546,757,000 for Puerto Rico
- All projects in Puerto Rico shall be at full federal expense
- **Projects in Metropolitan San Juan:**
 - **Rio Puerto Nuevo Project** \$ 1,552,453,000
 - **Rio Puerto Nuevo Dredging** \$ 8,300,000
 - **San Juan Metro Coastal Study** \$ 3,000,000



BIPARTISAN BUDGET ACT OF 2018

Short Term Repairs	Total Project Cost
FCCE	
★ 1. RIO PUERTO NUEVO DREDGING	\$ 8,300,000
Repairs	
2. RIO GRANDE DE MANATI AT BARCELONETA completed	\$ 5,000,000
3. YAUCO LEVEE completed	\$ 2,000,000
O&M	
4. ARECIBO HARBOR	\$ 6,300,000
5. MAYAGUEZ HARBOR	\$ 6,900,000

Long Term Response	Total Project Cost
INVESTIGATIONS	
★ 1. RIO CULEBRINAS	\$ 200,000
★ 2. SAN JUAN METRO AREA	\$ 3,000,000
★ 3. PR ISLAND WIDE CSRM	\$ 3,000,000
4. DOS RIOS AT CIALES	\$ 1,200,000
5. RIO GUAYANILLA	\$ 3,000,000

Long Term Response	Total Project Cost
CONSTRUCTION	
★ 1. RIO PUERTO NUEVO	\$ 1,552,453,000
2. RIO DE LA PLATA	\$ 500,000,000
3. RIO GRANDE DE ARECIBO	\$ 82,892,000
4. RIO GRANDE DE LOIZA	\$ 250,000,000
5. RIO GUANAJIBO AT MAYAGUEZ	\$ 60,000,000
6. RIO NIGUA AT SALINAS	\$ 60,000,000
7. LOIZA COAST (CAP 14)	\$ 4,562,000
8. SALUD CREEK (CAP 14)	\$ 4,000,000
9. RIO DESCALABRADO (CAP 205)	\$ 9,250,000



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RPN PROJECT OVERVIEW

- TOTAL PROJECT COST OF \$2.636 BILLION
- BASIN DRAINS 24 SQUARE MILES (75% HIGHLY DEVELOPED)
- POPULATION OF 250,000 AFFECTED
- 7,000 RESIDENTIAL STRUCTURES, 800 COMMERCIAL AND PUBLIC STRUCTURES VALUED AT OVER \$3 BILLION TO INCLUDE THE CITY'S MAJOR TRANSPORTATION FACILITIES, PR MAIN PORT FACILITIES, RECREATION FACILITIES, GOVERNMENT OFFICES, PREPA ELECTRICAL POWER PLANT, AND SEVERAL WASTEWATER/WATER TREATMENT FACILITIES
- PROJECT CONSTRUCTION WOULD GENERATE OVER \$80M IN MUNICIPAL TAXES AND THOUSANDS OF DIRECT AND INDIRECT CONSTRUCTION RELATED JOBS.
- THE PLAN OF IMPROVEMENT INCLUDES:
 - CONSTRUCTION OF 1.7 MILES OF EARTH LINED CHANNEL
 - 9.5 MILES OF CONCRETE LINED CHANNELS (5.1 - HIGH VELOCITY)
 - 2 DEBRIS BASINS
 - 2 STILLING BASINS
 - CONSTRUCTION OF 5 NEW BRIDGES
 - REPLACEMENT OF 17 BRIDGES
 - MODIFICATION OF 8 EXISTING BRIDGES
 - MITIGATION FOR THE LOSS OF ENVIRONMENTAL HABITATS (COMPLETED)

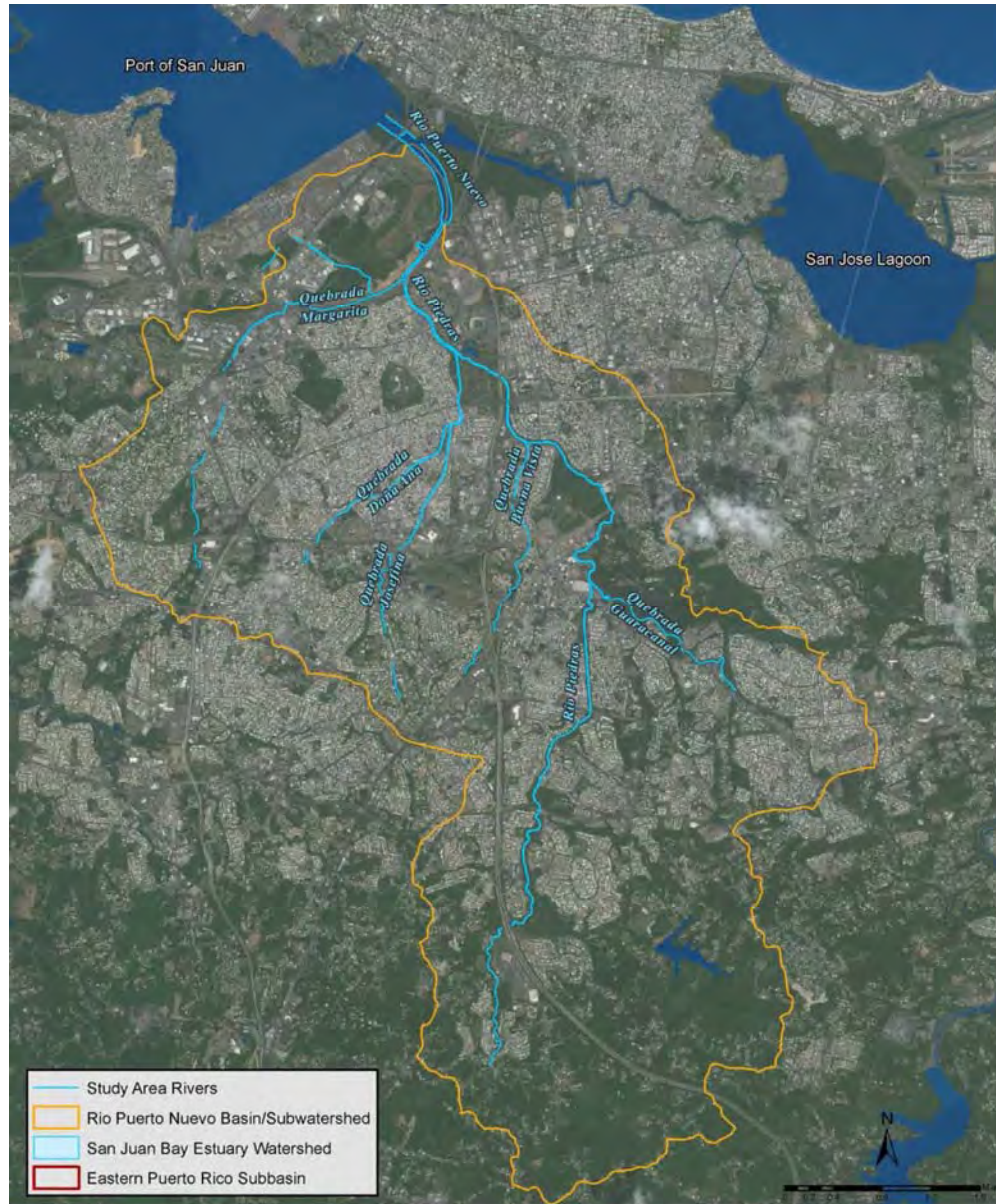


RIO PUERTO NUEVO

- PROJECT OVERVIEW
- "WHY WE NEED PUERTO NUEVO PROJECT" - TROPICAL SYSTEM AND STORM EVENTS EFFECTS



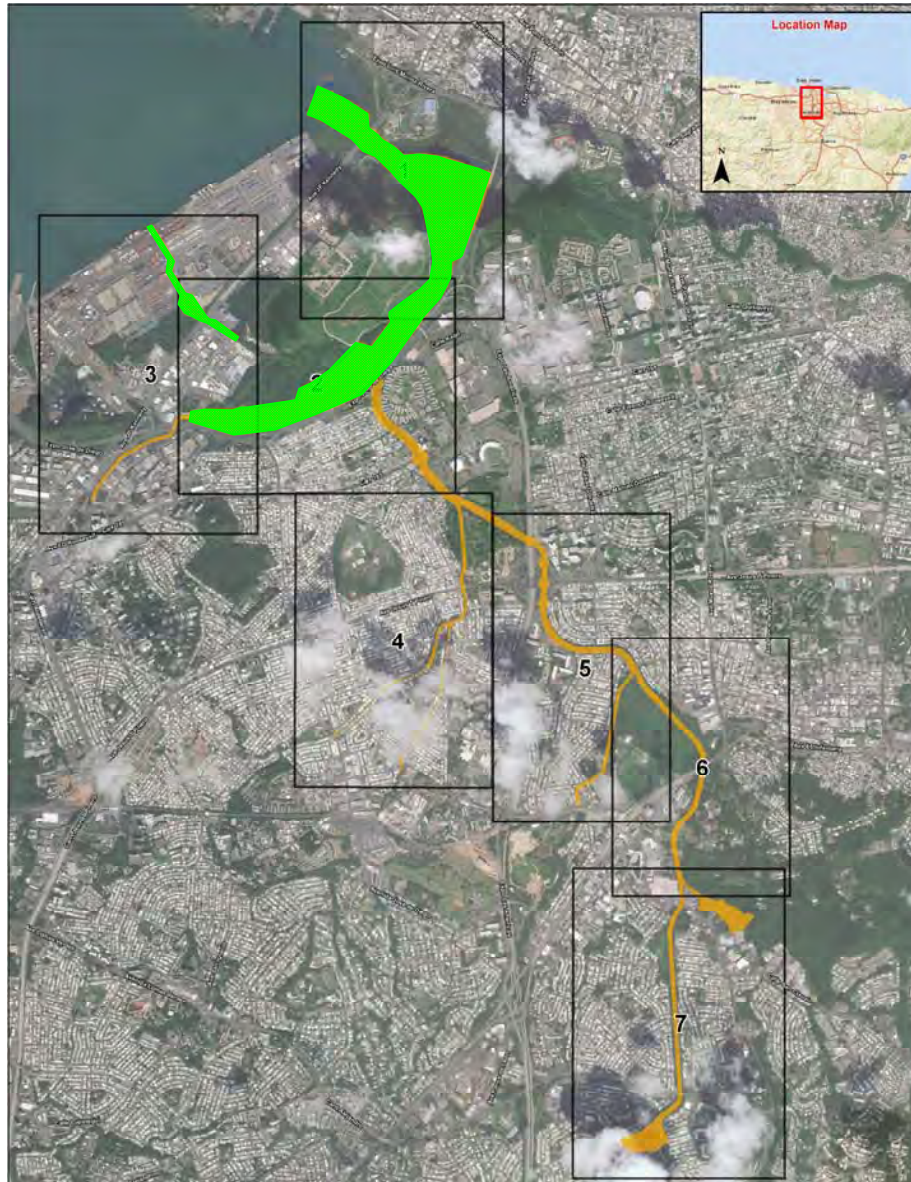
RPN LOCATION



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RPN PROJECT OVERVIEW



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RPN SUPPLEMENTAL CONTRACTS

Supplemental Emergency Dredging Contract – \$5M to \$10M

- Estimated Advertisement: July 2019

Supplemental Contract 1 – Contracts 2C2 & 2C3 - \$50M to \$100M

- Estimated Advertisement: January 2021

Supplemental Contract 2 – Contract 2B - \$25M to \$50M

- Estimated Advertisement: October 2020

Supplemental Contract 3 – Contracts 2D & 2E - \$300M to \$500M

- Estimated Advertisement: September 2020

Supplemental Contract 4 – Contract 4A - \$50M to \$100M

- Estimated Advertisement: July 2021

Supplemental Contract 5 – Contracts 3AA & 4B - \$10M - \$50M

- Estimated Advertisement: October 2020

Supplemental Contract 6 – Contracts 4C, 4D-1, 4D-2, 5B-1 - \$200M to \$400M

- Estimated Advertisement: January 2026

Supplemental Contract 7 – Contract 3 - \$200M to \$400M

- Estimated Advertisement: May 2024



RPN SUPPLEMENTAL DREDGING CONTRACT

Supplemental Emergency Dredging Contract

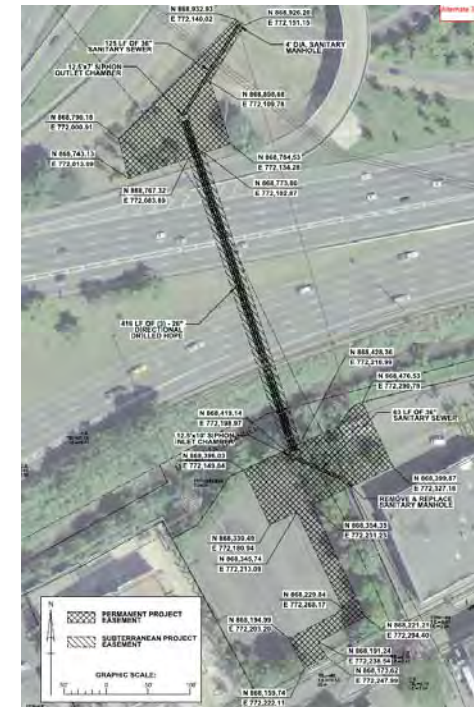
- Dredging of the Lower Margarita Channel
- Approximately 100,000 CY – Disposal at the ODMDS
- \$5M TO \$10M
- Estimated Advertisement: July 2019



RPN SUPPLEMENTAL CONTRACT 1

Supplemental Contract 1

- Upper Margarita Channel (Sta. 56+00 to Sta. 89+60)
- Construction of U-Framed Channel to tie to existing stilling basin
- Sewer Line Relocation under U-Framed Channel
- \$50M to \$100M
- Estimated Advertisement: January 2021



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RPN SUPPLEMENTAL CONTRACT 2

- DESIGN FEATURES: PROJECT 2B - ROOSEVELT BRIDGE REPLACEMENT



RPN SUPPLEMENTAL CONTRACT 3

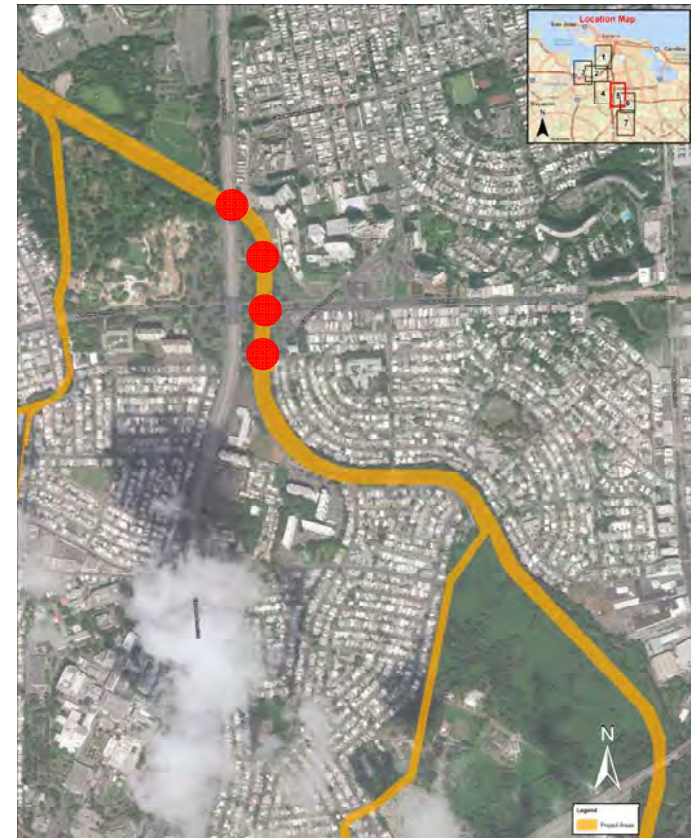
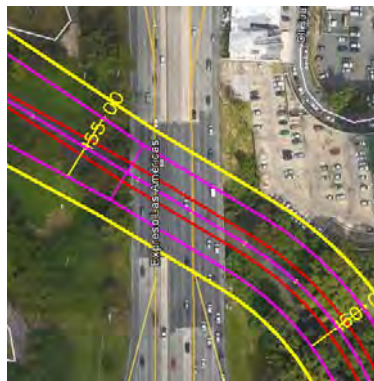
- DESIGN FEATURES: PROJECT 2D&2E RIO PIEDRAS -1ST MILE OF CHANNEL (STA. 88+33.2 TO 147+00)



RPN SUPPLEMENTAL CONTRACT 4

Supplemental Contract 4

- Bridge Modifications of 4 Major Existing Bridges over the Piñero Avenue Interchange
 - 4A-1) Las Americas Expressway Bridge
 - 4A-2) Piñero Avenue Bridge East
 - 4A-3) NE Access Ramp Bridge
 - 4A-4) SE Access Ramp Bridge
- Channel works underneath bridge
- \$50M to \$100M
- Estimated Advertisement: July 2021



RPN SUPPLEMENTAL CONTRACT 5

Supplemental Contract 5

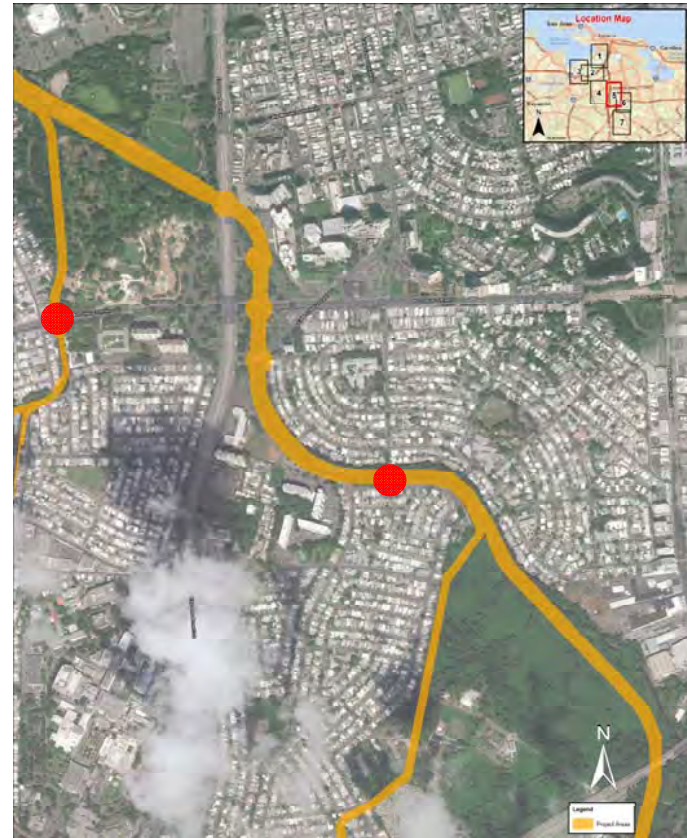
- Piñero Avenue West Bridge Replacement
- Notre Dame Street Bridge Replacement
- Channel works underneath bridge
- \$10M - \$50M
- Estimated Advertisement: October 2020



Notre Dame



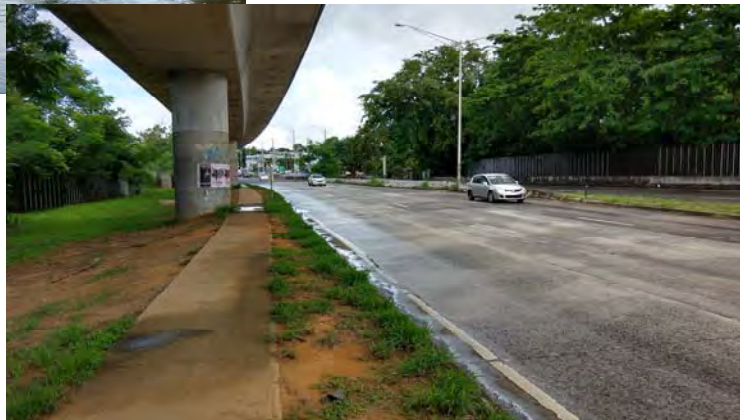
Piñero



RPN SUPPLEMENTAL CONTRACT 6

Supplemental Contract 6

- Middle Puerto Nuevo Main Channel (Sta. 147+40 to Sta. 240+00) - PR HWY 1
- Buena Vista Bridges - 2 Replacement Bridges
- Buena Vista Diversion Channel (Sta. 0+00 to Sta. 42+37)
- Debris Basin
- \$200M to \$400M)
- Estimated Advertisement: January 2026



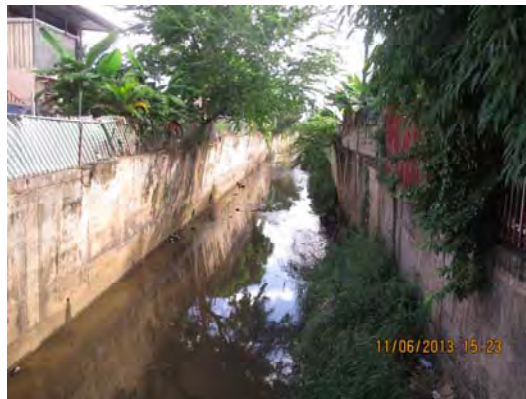
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RPN SUPPLEMENTAL CONTRACT 7

Supplemental Contract 7

- Bridge replacement of 10 bridges,
- Quebrada Josefina Channel and Stilling Basins
- Quebrada Dona Ana Channel & Stilling
- \$200M to \$400M
- Estimated Advertisement: May 2024



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USACE NEEDS

- **Community Information Meetings (Informing the Public)**
 - Real Estate Impacts (Relocations)
 - Maintenance of traffic
 - Construction in areas of limited and constricted space (noise, construction access, etc)
- **Municipal Agencies Coordination**
 - Municipal infrastructure information (GIS)
 - Municipal bridge replacements
 - Information on existing storm drains
 - Review of construction plans
- **Real Estate Acquisitions (DNER)**
 - Costs are 100% Federal Cost
 - Reimbursable Expense Funding



QUESTIONS

Point of Contacts:

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