

Appendix B

Cost Engineering

U. S. Army Corps of Engineers
Albuquerque District

DRAFT

July 2017



**US Army Corps
of Engineers** ®
Albuquerque District

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Estimate Methodology and Major Assumptions for MRG Bernalillo to Belen

The project consists of constructing approximately 48 miles of engineered levee along the Rio Grande in central New Mexico. The project will extend on the East and West bank of the Rio Grande from the upper end of the Mountain View Unit to South of Belen near Jarales. It is anticipated that this project will be constructed in no less than 18 phases with an approximate duration of 1 year each. Project phasing is based on anticipated annual funding. The assumed cost sharing is 82 percent federal dollars to 18 percent non-federal dollars. At this point there is no defined contracting strategy but the acquisition assumption is that this will be a design/bid/build IFB (lowest price).

The abbreviated risk analysis approach applied a percentage for all major construction items resulting in a 31.19% contingency which was then applied to all of the alternatives. Planning, Engineering and Design (PED) resulted in a percentage of 20.83% which was then applied to all of the alternatives. Construction Management (CM) resulted in a percentage of 16.67% which was then applied to all of the alternatives. This idea is supported by an analysis performed with an array of all alternatives which concluded that the variance in contingency was less than 1% within all of the samples.

The Tentatively Selected Plan (TSP) is the product of these selected alternatives Isleta West + 4', Mountain View + 4', Belen West + 7' and Belen East + 7'.

Account 1 - Lands and Damages:

All of the real property within the proposed project area is owned in fee simple title by the United States, managed by the BOR (except within the boundaries of the Isleta Pueblo) and is maintained and operated by the MRGCD. There are no costs associated with any acquisition of land however, administrative costs for all federal agencies are expected and cost included is \$10,000.00 per phase. This information was provided in the latest real estate report and included in the latest detailed feasibility report.

Account 2 - Relocations:

Currently there are no known relocations involved with the proposed project. A final determination of the relocations necessary for the construction, operation or maintenance of the project will be made after further analysis. A lump sum cost equivalent to 1% of the 11 Account (Levees and Floodwalls) contract cost was added to the estimate to capture any unknown relocation costs at this point of the project.

Account 11- Levees and Floodwalls

A new 48 mile engineered levee will be built to replace an existing spoil bank levee.

Levee Earthwork

Due to flood risks no more than 1 mile of levee will be open at any given time. A system will be developed so that the construction activities including excavation, hauling, processing, and construction of the new levee are cycled in order to satisfy the condition of only having 1 mile of levee open at any given time.

Major project design features includes common excavation to remove the existing spoil bank, screening/processing the existing material to be used as construction fill for the new levee, the construction of the new levee, and the hauling spoil material to a designated waste area.

Common excavation- The current estimates include excavation activities in two different sections. Sub-folder “Excavation (Includes Hauling to Processing Area)” under the “Levee Earthwork” folder includes the excavation quantity of material that will be transported to a designated screening area. Sub-folder “Hauling” under the “Levee Earthwork” folder includes the excavation quantity of material that will be hauled off site to a designated waste area. The sum of these two quantities will total the amount of material that will be excavated in the alternative and will match the total cut quantity on document “Earthwork Quantities”. The quantity for excavation of material required for the construction of the new levee includes a 25% shrink factor for the assumed compaction of the new levee. It also includes a 10% waste factor non useable inorganic waste. An excavation operation using a 3 CY excavator was used resulting in a production rate of 150 Bank Cubic Yard (BCY) per hour.

Screening Operation- It was assumed that the existing berm material would be suitable to use as fill for the construction of the new levee per the testing results provided by the Geotechnical section. A portion of the excavated material will be hauled to a designated area within the project location to remove any inorganic material. The non-useable inorganic waste produced during material screening will be hauled off to a local dump within a 5 mile radius. The good material will be returned to the levee to be used as new construction fill. This quantity includes as 25% shrink factor for the assumed compaction of the new levee. A screening operation using a 6’ by 20’ screening plant was used resulting in a production rate of 150 Loose Cubic Yards (LCY) per hour.

Levee Construction - It is estimated that the new levee will be constructed in six inch lifts to reach the required compaction. A crew consisting of a hydraulic excavator, compaction roller and water truck with required operators can accomplish the placement and compaction of the fill material at the rate of 165 LCY per hour.

The fill for the construction of the new levee will be obtained from the screened material. Imported fill is required when the new levee requires more material than what is available in the existing levee excavation. Assumption is that there will not be enough waste material located at waste areas from previous reaches to make up the difference needed to complete the levee construction. It is assumed the imported fill will be purchased from an area supplier at a cost of \$20.00 per CY and a 20 mile average haul distance. The total amount in imported fill is approximately 662,285 ECY. A mass fill construction operation using a grader and compactor was used resulting in a production rate of 165 LCY per hour.

Hauling- If the new levee requires less material than what is available in the existing levee, the remaining material needs to be spoiled off site. It is assumed that the waste area will be located approximately 20 miles away from the construction site. The hauling quantities include a swell factor of 12%. A hauling operation using 20 CY end dump truck and driver was used resulting in a production rate of 30 LCY per hour.

It is assumed that the majority of the work will be performed by a heavy civil earthwork contractor (prime contractor). Local sub-contractors will be used to perform all of the hauling, revegetation and concrete work. Field office overhead rates for the subs range from 3% - 10%.

Home office overhead rates for the subs range from 8%-9%. Profit rates for the subs range from 7%-8%. The field office overhead rate for the prime is a running percentage of 7%. The home office overhead rate for the prime is 8% since the assumption is that the prime will be a medium sized contractor. The profit and bond rate for the prime are 7.5% and 1.5% respectively. An adder of 2% was added to the estimate onto the prime markup to account for all mobilization costs.

An Inspection Trench will include excavation, backfill and compaction quantities included in the Levee construction quantities.

Overbank excavation will be required at the northern end of the project site.

Drainage System

The drainage system required for seepage control will consist of a perforated main line with risers and outlets every 600 feet and double clean-outs every 300 feet throughout the entire alignment. It is estimated that eight inch diameter plastic pipe will be utilized in the system. The pipe material will be purchased from an area supplier and will be delivered to the job site. A crew consisting of a pipe layer and laborers will be required for the placement of the pipe. The productivity rate is assumed to be 40 linear feet per hour.

The placement of the toe drain system will require the excavation and backfilling of material. It is estimated that a portion of the excavated material will be stockpiled for reuse in the backfill operation with the remainder being spread along the access road. It is estimated that a crew consisting of a loader/backhoe with operator and laborer will be utilized for the excavation operation. The assumed productivity rate is 25 BCY cubic yards per hour.

Riprap

The estimate accounts for a total of 70,741 CY of Rip Rap purchased and delivered from a commercial source to the project site.

Clearing and Grubbing

Clearing and grubbing will be required for the project. It is assumed that the clearing will consist of trees and small brush. Trees will be chipped and disposed of at a local landfill, within a thirty mile radius of the job site. The clearing and grubbing will be accomplished using a crew consisting of hydraulic excavators, front end loader, chipper, dump trucks, and operators, drivers, and laborers. The productivity rate for clearing is assumed to be 0.25 acres per hour for heavy clearing and 0.73 acres per hour for light clearing.

Care and Diversion of Water

The toe key for the riprap slope protection as well as the inspection trench for the downstream end of the levee will have a minimum depth of 5 feet and a maximum depth of 17 feet. The dewatering will be based on an average depth of 10 feet. It is estimated that dewatering will be required for 8 miles of levee slope protection as well as 3 miles of levee inspection trench. It is assumed that the dewatering will consist of the construction of fifteen inch diameter corrugated metal pipe sump wells, with gravel collars. The wells will be spaced on 300 foot centers with an average depth of 12 linear feet. They will be leap frogged along the construction with four wells in operation at any given time. It is estimated that the material for the wells will be purchased

from area supplier and delivered to the job site. It is estimated that the wells will be constructed using a crew consisting of a loader/backhoe and laborers.

The pumping for the inspection trench and riprap dewatering will be accomplished utilizing four inch diameter pumps. It is estimated that four pumps will be utilized for the duration of the inspection trench backfill operation as well as the toe riprap placement. It is estimated that a crew consisting of a pipe layer and laborers will be utilized for the placement and operation of the pumping system.

The productivity rate for the construction of the dike is assumed to be 50 linear feet per hour and 70 feet per hour for the removal of the dike. The estimate assumes that 3,500 feet of dike will be required.

Environmental Mitigation

Bernalillo to Belen East Bank 100 + 7' includes Seeding for 17.18 acres. Cottonwood Poles and Other Native Species assume 100 plantings per acre for 33 acres, and Shrubs assumed 600 plantings per acre for a total acreage of 18.5.

Bernalillo to Belen West Bank 100 + 7' includes Seeding for 23.18 acres. Cottonwood Poles and Other Native Species assume 100 plantings per acre for 44.5 acres, and Shrubs assumed 600 plantings per acre for a total acreage of 25.0.

The Mitigation cost in the feasibility estimates are based on historical unit cost for similar projects. The quantities and cost will be updated as soon as the Environmental Section calculates the quantities that are required for this project.

Additional Features:

Railroad Tie-ins: The design for the Upstream Levee Construction has not finalized. This was due to the elevation for the new levee being lower than the existing railroad embankment at this station. It is assumed that a flood wall assembly will be required at these sections.

Jetty Jack Relocations: It is estimated that approximately 315 Kellner Jetty Jacks required to be relocated for this project. The cost for this feature was escalated to reflect accurate values for the current market.

APPENDIX A

MRG Bernalillo to Belen Cost Summaries (July 2016)

Mountain View & Isleta East Units

	Cost with no Esc. Or Cont.	Contingency	Total	Escalation	Total Cost	Total Unit Cost
Mountain View & Isleta East Units						
Water Surface 100						
Mountain View Unit						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$7,190,405.35	1.3119	\$9,433,092.78	1.0835	\$10,220,756.03	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$959,846.67	1.1667	\$1,119,853.11	1.1768	\$1,317,843.14	
						\$12,275,295.82
Isleta East Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$8,771,439.23	1.3119	\$11,507,251.13	1.0835	\$12,468,106.59	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$14,671,564.08
Isleta East Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	

Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$8,865,649.46	1.3119	\$11,630,845.53	1.0835	\$12,602,021.13	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$14,805,478.62
Isleta East Unit C						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$8,984,739.20	1.3119	\$11,787,079.36	1.0835	\$12,771,300.48	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$14,974,757.97
Isleta East Unit D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$8,923,634.19	1.3119	\$11,706,915.69	1.0835	\$12,684,443.15	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$14,887,900.64
Water Surface 100 + 1'						
Mountain View Unit						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$7,257,793.90	1.3119	\$9,521,499.82	1.0835	\$10,316,545.05	

PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$959,846.67	1.1667	\$1,119,853.11	1.1768	\$1,317,843.14	
						\$12,371,084.84
Isleta East Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$8,863,837.85	1.3119	\$11,628,468.88	1.0835	\$12,599,446.03	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$14,802,903.51
Isleta East Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$8,958,126.40	1.3119	\$11,752,166.02	1.0835	\$12,733,471.89	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$14,936,929.37
Isleta East Unit C						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,077,216.14	1.3119	\$11,908,399.85	1.0835	\$12,902,751.24	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$15,106,208.73
Isleta East Unit						

D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,016,350.18	1.3119	\$11,828,549.80	1.0835	\$12,816,233.71	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$15,019,691.20
Water Surface 100 + 2'						
Mountain View Unit						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$7,461,830.51	1.3119	\$9,789,175.45	1.0835	\$10,606,571.60	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$959,846.67	1.1667	\$1,119,853.11	1.1768	\$1,317,843.14	
						\$12,661,111.39
Isleta East Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,119,886.08	1.3119	\$11,964,378.55	1.0835	\$12,963,404.16	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$15,166,861.64
Isleta East Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	

Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,214,657.28	1.3119	\$12,088,708.89	1.0835	\$13,098,116.08	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$15,301,573.57
Isleta East Unit C						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,338,786.83	1.3119	\$12,251,554.44	1.0835	\$13,274,559.24	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$15,478,016.73
Isleta East Unit D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,272,723.55	1.3119	\$12,164,886.03	1.0835	\$13,180,654.01	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$15,384,111.50
Water Surface 100 +3'						
Mountain View Unit						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$7,846,482.09	1.3119	\$10,293,799.85	1.0835	\$11,153,332.14	

PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$959,846.67	1.1667	\$1,119,853.11	1.1768	\$1,317,843.14	
						\$13,207,871.93
Isleta East Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,620,921.59	1.3119	\$12,621,687.03	1.0835	\$13,675,597.90	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$15,879,055.39
Isleta East Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,716,197.29	1.3119	\$12,746,679.22	1.0835	\$13,811,026.94	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$16,014,484.43
Isleta East Unit C						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,835,287.04	1.3119	\$12,902,913.07	1.0835	\$13,980,306.31	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$16,183,763.80
Isleta East Unit						

D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,702,281.87	1.3119	\$12,728,423.59	1.0835	\$13,791,246.95	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$15,994,704.44
Water Surface 100 +4'						
Mountain View Unit						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$8,017,489.55	1.3119	\$10,518,144.54	1.0835	\$11,396,409.61	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$959,846.67	1.1667	\$1,119,853.11	1.1768	\$1,317,843.14	
						\$13,450,949.40
Isleta East Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,849,734.68	1.3119	\$12,921,866.93	1.0835	\$14,000,842.82	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$16,204,300.30
Isleta East Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	

Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,904,182.20	1.3119	\$12,993,296.63	1.0835	\$14,078,236.90	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$16,281,694.38
Isleta East Unit C						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$10,023,271.95	1.3119	\$13,149,530.47	1.0835	\$14,247,516.27	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$16,450,973.75
Isleta East Unit D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,914,615.38	1.3119	\$13,006,983.92	1.0835	\$14,093,067.07	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$16,296,524.56
Water Surface 100 +5'						
Mountain View Unit						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$9,618,588.18	1.3119	\$12,618,625.83	1.0835	\$13,672,281.09	

PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$959,846.67	1.1667	\$1,119,853.11	1.1768	\$1,317,843.14	
						\$15,726,820.88
Isleta East Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls 1	\$11,602,376.7	1.3119	\$15,221,158.0	1.0835	\$16,492,124.7	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$18,695,582.19
Isleta East Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls 2	\$11,669,501.6	1.3119	\$15,309,219.1	1.0835	\$16,587,538.9	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$18,790,996.46
Isleta East Unit C						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls 7	\$11,788,591.3	1.3119	\$15,465,453.0	1.0835	\$16,756,818.3	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$18,960,275.83
Isleta East Unit						

D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.0835	\$14,214.44	
Relocations	\$0.00	1.3119	\$0.00	1.0835	\$0.00	
Levees and Floodwalls	\$11,456,252.91	1.3119	\$15,029,458.19	1.0835	\$16,284,417.95	
PED	\$508,100.62	1.2083	\$613,937.98	1.1768	\$722,482.21	
CM	\$1,068,310.38	1.1667	\$1,246,397.72	1.1768	\$1,466,760.84	
						\$18,487,875.44

Isleta West Units

	Cost with no Esc. Or Cont.	Contingency	Total	Escalation	Total Cost	Total Unit Cost
Isleta West						
Water Surface 100						
Isleta West Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$1,964,912.67	1.3119	\$2,577,768.93	1.1107	\$2,863,127.95	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$4,288,761.66
Isleta West Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$1,964,912.67	1.3119	\$2,577,768.93	1.1107	\$2,863,127.95	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$4,288,761.66
Isleta West Unit D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	

Levees and Floodwalls	\$2,251,292.49	1.3119	\$2,953,470.62	1.1107	\$3,280,419.82	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$4,706,053.53
Isleta West Unit E						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$4,918,271.68	1.3119	\$6,452,280.62	1.1107	\$7,166,548.08	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$505,977.90	1.1667	\$590,324.42	1.2367	\$730,054.21	
						\$8,670,430.66
Water Surface 100 + 1'						
Isleta West Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$1,981,958.53	1.3119	\$2,600,131.40	1.1107	\$2,887,965.94	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$4,313,599.65
Isleta West Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$1,981,958.53	1.3119	\$2,600,131.40	1.1107	\$2,887,965.94	

PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$4,313,599.65
Isleta West Unit D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$2,579,969.45	1.3119	\$3,384,661.92	1.1107	\$3,759,344.00	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$5,184,977.71
Isleta West Unit E						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$5,321,727.79	1.3119	\$6,981,574.69	1.1107	\$7,754,435.01	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$505,977.90	1.1667	\$590,324.42	1.2367	\$730,054.21	
						\$9,258,317.58
Water Surface 100 + 2'						
Isleta West Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$1,999,262.15	1.3119	\$2,622,832.01	1.1107	\$2,913,179.52	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	

CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$4,338,813.23
Isleta West Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$1,999,262.15	1.3119	\$2,622,832.01	1.1107	\$2,913,179.52	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$4,338,813.23
Isleta West Unit D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$2,815,018.31	1.3119	\$3,693,022.52	1.1107	\$4,101,840.11	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$5,527,473.82
Isleta West Unit E						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$5,737,388.09	1.3119	\$7,526,879.44	1.1107	\$8,360,104.99	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$505,977.90	1.1667	\$590,324.42	1.2367	\$730,054.21	
						\$9,863,987.57

Water Surface 100 +3'					
Isleta West Unit A					
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00
Levees and Floodwalls	\$2,223,848.98	1.3119	\$2,917,467.48	1.1107	\$3,240,431.13
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34
					\$4,666,064.84
Isleta West Unit B					
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00
Levees and Floodwalls	\$2,222,980.77	1.3119	\$2,916,328.47	1.1107	\$3,239,166.03
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34
					\$4,664,799.74
Isleta West Unit D					
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00
Levees and Floodwalls	\$3,805,179.10	1.3119	\$4,992,014.46	1.1107	\$5,544,630.46
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34
					\$6,970,264.17
Isleta West Unit E					

Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$6,719,588.67	1.3119	\$8,815,428.38	1.1107	\$9,791,296.30	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$505,977.90	1.1667	\$590,324.42	1.2367	\$730,054.21	
						\$11,295,178.87
Water Surface 100 +4'						
Isleta West Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$2,584,216.23	1.3119	\$3,390,233.27	1.1107	\$3,765,532.10	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$5,191,165.81
Isleta West Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$2,584,216.23	1.3119	\$3,390,233.27	1.1107	\$3,765,532.10	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$5,191,165.81
Isleta West Unit D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	

Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$4,089,920.46	1.3119	\$5,365,566.65	1.1107	\$5,959,534.88	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$7,385,168.59
Isleta West Unit E						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$7,382,709.98	1.3119	\$9,685,377.22	1.1107	\$10,757,548.48	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$505,977.90	1.1667	\$590,324.42	1.2367	\$730,054.21	
						\$12,261,431.06
Water Surface 100 +5'						
Isleta West Unit A						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$2,975,450.83	1.3119	\$3,903,493.94	1.1107	\$4,335,610.72	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$5,761,244.43
Isleta West Unit B						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	

Levees and Floodwalls	\$2,975,450.83	1.3119	\$3,903,493.94	1.1107	\$4,335,610.72	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$5,761,244.43
Isleta West Unit D						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$4,587,409.85	1.3119	\$6,018,222.98	1.1107	\$6,684,440.27	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$451,746.04	1.1667	\$527,052.10	1.2367	\$651,805.34	
						\$8,110,073.98
Isleta West Unit E						
Lands & Damages	\$10,000.00	1.3119	\$13,119.00	1.1107	\$14,571.27	
Relocations	\$0.00	1.3119	\$0.00	1.1107	\$0.00	
Levees and Floodwalls	\$8,294,596.61	1.3119	\$10,881,681.29	1.1107	\$12,086,283.41	
PED	\$508,100.62	1.2083	\$613,937.98	1.2367	\$759,257.10	
CM	\$505,977.90	1.1667	\$590,324.42	1.2367	\$730,054.21	
						\$13,590,165.99

Belen East Units

	Cost with no Esc. Or Cont.	Contingency	Total	Escalation	Total Cost	Total Unit Cost
2016						

Belen East Units						
Water Surface 100						
Unit A (Sta 0+00 - Sta 934+00)						
Lands and Damages	\$10,000.00	1.3119	13119	1.6694	\$21,900.86	
Relocations	\$314,361.00	1.3119	\$412,410.20	1.6694	\$688,477.58	
Levees and Floodwalls	\$30,875,500.93	1.3119	\$40,505,569.67	1.6694	\$67,619,998.01	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction Management	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79	
						\$74,132,562.53
Unit B (Sta 0+00 - Sta 994+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86	
Relocations	\$325,165.00	1.3119	\$426,583.96	1.6694	\$712,139.27	
Levees and Floodwalls	\$31,930,802.93	1.3119	\$41,890,020.36	1.6694	\$69,931,200.00	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.36801	\$5,048,869.93	
						\$76,553,983.35

Unit C (Sta 0+00 - Sta 1028+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23
Relocations	\$330,560.00	1.3119	\$433,661.66	1.17282	\$508,607.07
Levees and Floodwalls	\$32,475,180.08	1.3119	\$42,604,188.75	1.17282	\$49,967,044.65
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45
Construction Management	\$3,217,570.69	1.1667	\$3,753,939.72	1.38194	\$5,187,719.46
					\$56,527,182.86
Unit D (Sta 0+00 - Sta 1044+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23
Relocations	\$334,081.00	1.3119	\$438,280.86	1.17282	\$514,024.56
Levees and Floodwalls	\$32,828,045.22	1.3119	\$43,067,112.52	1.17282	\$50,509,970.91
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45
Construction Management	\$3,326,034.40	1.1667	\$3,880,484.33	1.38194	\$5,362,596.52
					\$57,250,403.67
Unit E (Sta 0+00 - Sta 1135+98)					
Lands and	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50

Damages					
Relocations	\$361,833.00	1.3119	\$474,688.71	1.17871	\$559,520.33
Levees and Floodwalls	\$35,507,251.70	1.3119	\$46,581,963.51	1.17871	\$54,906,626.20
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69
Construction Management	\$3,597,193.68	1.1667	\$4,196,845.87	1.39645	\$5,860,685.41
					\$62,199,629.13
Unit F (Sta 0+00 - Sta 1220+63)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50
Relocations	\$383,111.00	1.3119	\$502,603.32	1.17871	\$592,423.56
Levees and Floodwalls	\$37,666,314.33	1.3119	\$49,414,437.77	1.17871	\$58,245,291.94
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69
Construction Management	\$3,759,889.25	1.1667	\$4,386,662.79	1.39645	\$6,125,755.25
					\$65,836,267.94
Water Surface 100 + 1'					
Unit A (Sta 0+00 - Sta 934+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86

Relocations	\$338,687.00	1.3119	\$444,323.48	1.6694	\$741,753.61	
Levees and Floodwalls	\$33,557,678.67	1.3119	\$44,024,318.65	1.6694	\$73,494,197.55	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction Management	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79	
						\$80,060,038.10
Unit B (Sta 0+00 - Sta 994+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86	
Relocations	\$349,539.00	1.3119	\$458,560.21	1.6694	\$765,520.42	
Levees and Floodwalls	\$34,624,492.56	1.3119	\$45,423,871.79	1.6694	\$75,830,611.57	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.36801	\$5,048,869.93	
						\$82,506,776.07
Unit C (Sta 0+00 - Sta 1028+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23	
Relocations	\$356,093.00	1.3119	\$467,158.41	1.17282	\$547,892.72	
Levees and Floodwalls	\$35,293,589.78	1.3119	\$46,301,660.43	1.17282	\$54,303,513.39	

Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,217,570.69	1.1667	\$3,753,939.72	1.38194	\$5,187,719.46	
						\$60,902,937.25
Unit D (Sta 0+00 - Sta 1044+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23	
Relocations	\$361,235.00	1.3119	\$473,904.20	1.17282	\$555,804.32	
Levees and Floodwalls	\$35,815,686.75	1.3119	\$46,986,599.45	1.17282	\$55,106,823.56	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,326,034.40	1.1667	\$3,880,484.33	1.38194	\$5,362,596.52	
						\$61,889,036.08
Unit E (Sta 0+00 - Sta 1135+98)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50	
Relocations	\$391,304.00	1.3119	\$513,351.72	1.17871	\$605,092.80	
Levees and Floodwalls	\$38,748,690.01	1.3119	\$50,834,406.42	1.17871	\$59,919,023.20	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69	

Construction Management	\$3,597,193.68	1.1667	\$4,196,845.87	1.39645	\$5,860,685.41	
						\$67,257,598.60
Unit F (Sta 0+00 - Sta 1220+63)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50	
Relocations	\$414,810.00	1.3119	\$544,189.24	1.17871	\$641,441.30	
Levees and Floodwalls	\$41,144,307.69	1.3119	\$53,977,217.26	1.17871	\$63,623,485.75	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69	
Construction Management	\$3,759,889.25	1.1667	\$4,386,662.79	1.39645	\$6,125,755.25	
						\$71,263,479.49
Water Surface 100 + 2'						
Unit A (Sta 0+00 - Sta 934+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86	
Relocations	\$353,140.00	1.3119	\$463,284.37	1.6694	\$773,406.92	
Levees and Floodwalls	\$35,218,790.94	1.3119	\$46,203,531.83	1.6694	\$77,132,176.04	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79	

Management					
					\$83,729,669.91
Unit B (Sta 0+00 - Sta 994+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86
Relocations	\$360,308.00	1.3119	\$472,688.07	1.6694	\$789,105.46
Levees and Floodwalls	\$35,926,505.33	1.3119	\$47,131,982.34	1.6694	\$78,682,131.32
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.36801	\$5,048,869.93
					\$85,381,880.86
Unit C (Sta 0+00 - Sta 1028+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23
Relocations	\$370,843.00	1.3119	\$486,508.93	1.17282	\$570,587.41
Levees and Floodwalls	\$36,600,053.92	1.3119	\$48,015,610.74	1.17282	\$56,313,668.59
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45
Construction Management	\$3,217,570.69	1.1667	\$3,753,939.72	1.38194	\$5,187,719.46
					\$62,935,787.13

Unit D (Sta 0+00 - Sta 1044+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23	
Relocations	\$373,220.00	1.3119	\$489,627.32	1.17282	\$574,244.71	
Levees and Floodwalls	\$37,250,897.93	1.3119	\$48,869,452.99	1.17282	\$57,315,071.86	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,326,034.40	1.1667	\$3,880,484.33	1.38194	\$5,362,596.52	
						\$64,115,724.77
Unit E (Sta 0+00 - Sta 1135+98)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50	
Relocations	\$404,254.00	1.3119	\$530,340.82	1.17871	\$625,118.03	
Levees and Floodwalls	\$40,300,007.26	1.3119	\$52,869,579.52	1.17871	\$62,317,902.08	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69	
Construction Management	\$3,597,193.68	1.1667	\$4,196,845.87	1.39645	\$5,860,685.41	
						\$69,676,502.71
Unit F (Sta 0+00 - Sta 1220+63)						
Lands and	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50	

Damages						
Relocations	\$428,720.00	1.3119	\$562,437.77	1.17871	\$662,951.02	
Levees and Floodwalls	\$42,801,243.12	1.3119	\$56,150,950.85	1.17871	\$66,185,687.28	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69	
Construction Management	\$3,759,889.25	1.1667	\$4,386,662.79	1.39645	\$6,125,755.25	
						\$73,847,190.73
Water Surface 100 + 3'						
Unit A (Sta 0+00 - Sta 934+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86	
Relocations	\$358,261.00	1.3119	\$470,002.61	1.6694	\$784,622.35	
Levees and Floodwalls	\$35,952,627.87	1.3119	\$47,166,252.50	1.6694	\$78,739,341.93	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction Management	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79	
						\$85,348,051.22
Unit B (Sta 0+00 - Sta 994+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86	

Relocations	\$369,199.00	1.3119	\$484,352.17	1.6694	\$808,577.51	
Levees and Floodwalls	\$37,048,145.16	1.3119	\$48,603,461.64	1.6694	\$81,138,618.85	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.36801	\$5,048,869.93	
						\$87,857,840.44
Unit C (Sta 0+00 - Sta 1028+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23	
Relocations	\$395,284.00	1.3119	\$518,573.08	1.17282	\$608,192.88	
Levees and Floodwalls	\$37,760,003.68	1.3119	\$49,537,348.83	1.17282	\$58,098,393.45	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,217,570.69	1.1667	\$3,753,939.72	1.38194	\$5,187,719.46	
						\$64,758,117.47
Unit D (Sta 0+00 - Sta 1044+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23	
Relocations	\$383,039.00	1.3119	\$502,508.86	1.17282	\$589,352.45	
Levees and Floodwalls	\$38,477,510.42	1.3119	\$50,478,645.92	1.17282	\$59,202,365.51	

Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,326,034.40	1.1667	\$3,880,484.33	1.38194	\$5,362,596.52	
						\$66,018,126.15
Unit E (Sta 0+00 - Sta 1135+98)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50	
Relocations	\$414,932.00	1.3119	\$544,349.29	1.17871	\$641,629.95	
Levees and Floodwalls	\$41,633,946.51	1.3119	\$54,619,574.43	1.17871	\$64,380,638.57	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69	
Construction Management	\$3,597,193.68	1.1667	\$4,196,845.87	1.39645	\$5,860,685.41	
						\$71,755,751.12
Unit F (Sta 0+00 - Sta 1220+63)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50	
Relocations	\$440,179.00	1.3119	\$577,470.83	1.17871	\$680,670.64	
Levees and Floodwalls	\$44,222,713.12	1.3119	\$58,015,777.34	1.17871	\$68,383,776.91	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69	

Construction Management	\$3,759,889.25	1.1667	\$4,386,662.79	1.39645	\$6,125,755.25	
						\$76,062,999.99
Water Surface 100 + 4'						
Unit A (Sta 0+00 - Sta 934+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86	
Relocations	\$391,543.00	1.3119	\$513,665.26	1.6694	\$857,512.79	
Levees and Floodwalls	\$38,858,153.83	1.3119	\$50,978,012.01	1.6694	\$85,102,693.25	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction Management	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79	
						\$91,784,292.98
Unit B (Sta 0+00 - Sta 994+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86	
Relocations	\$380,166.00	1.3119	\$498,739.78	1.6694	\$832,596.18	
Levees and Floodwalls	\$39,709,208.34	1.3119	\$52,094,510.42	1.6694	\$86,966,575.70	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	
Construction	\$3,163,338.83	1.1667	\$3,690,667.41	1.36801	\$5,048,869.93	

Management						
						\$93,709,815.96
Unit C (Sta 0+00 - Sta 1028+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23	
Relocations	\$400,606.00	1.3119	\$525,555.01	1.17282	\$616,381.43	
Levees and Floodwalls	\$40,499,931.74	1.3119	\$53,131,860.45	1.17282	\$62,314,108.57	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,217,570.69	1.1667	\$3,753,939.72	1.38194	\$5,187,719.46	
						\$68,982,021.14
Unit D (Sta 0+00 - Sta 1044+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23	
Relocations	\$395,656.00	1.3119	\$519,061.11	1.17282	\$608,765.25	
Levees and Floodwalls	\$41,324,740.83	1.3119	\$54,213,927.49	1.17282	\$63,583,178.44	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,326,034.40	1.1667	\$3,880,484.33	1.38194	\$5,362,596.52	
						\$70,418,351.89

Unit E (Sta 0+00 - Sta 1135+98)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50
Relocations	\$432,991.00	1.3119	\$568,040.89	1.17871	\$669,555.48
Levees and Floodwalls	\$43,767,632.27	1.3119	\$57,418,756.78	1.17871	\$67,680,062.80
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69
Construction Management	\$3,597,193.68	1.1667	\$4,196,845.87	1.39645	\$5,860,685.41
					\$75,083,100.88
Unit F (Sta 0+00 - Sta 1220+63)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50
Relocations	\$459,585.00	1.3119	\$602,929.56	1.17871	\$710,679.10
Levees and Floodwalls	\$46,503,235.79	1.3119	\$61,007,595.03	1.17871	\$71,910,262.34
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69
Construction Management	\$3,759,889.25	1.1667	\$4,386,662.79	1.39645	\$6,125,755.25
					\$79,619,493.88
Water Surface 100 + 5'					
Unit A (Sta 0+00 -					

Sta 934+00					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86
Relocations	\$439,953.00	1.3119	\$577,174.34	1.6694	\$963,534.84
Levees and Floodwalls	\$43,748,478.32	1.3119	\$57,393,628.71	1.6694	\$95,812,923.77
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29
Construction Management	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79
					\$102,600,545.55
Unit B (Sta 0+00 - Sta 994+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86
Relocations	\$460,743.00	1.3119	\$604,448.74	1.6694	\$1,009,066.73
Levees and Floodwalls	\$44,814,054.06	1.3119	\$58,791,557.52	1.6694	\$98,146,626.13
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.36801	\$5,048,869.93
					\$105,066,336.94
Unit C (Sta 0+00 - Sta 1028+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23

Relocations	\$482,813.00	1.3119	\$633,402.37	1.17282	\$742,866.97	
Levees and Floodwalls	\$45,738,140.94	1.3119	\$60,003,867.10	1.17282	\$70,373,735.41	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,217,570.69	1.1667	\$3,753,939.72	1.38194	\$5,187,719.46	
						\$77,168,133.52
Unit D (Sta 0+00 - Sta 1044+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17282	\$15,386.23	
Relocations	\$478,793.00	1.3119	\$628,128.54	1.17282	\$736,681.71	
Levees and Floodwalls	\$46,660,239.29	1.3119	\$61,213,567.92	1.17282	\$71,792,496.73	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.38194	\$848,425.45	
Construction Management	\$3,326,034.40	1.1667	\$3,880,484.33	1.38194	\$5,362,596.52	
						\$78,755,586.64
Unit E (Sta 0+00 - Sta 1135+98)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50	
Relocations	\$488,081.00	1.3119	\$640,313.46	1.17871	\$754,743.88	
Levees and Floodwalls	\$47,870,721.86	1.3119	\$62,801,600.01	1.17871	\$74,024,873.95	

Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69	
Construction Management	\$3,597,193.68	1.1667	\$4,196,845.87	1.39645	\$5,860,685.41	
						\$81,513,100.43
Unit F (Sta 0+00 - Sta 1220+63)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.17871	\$15,463.50	
Relocations	\$518,713.00	1.3119	\$680,499.58	1.17871	\$802,111.67	
Levees and Floodwalls	\$50,902,831.26	1.3119	\$66,779,424.33	1.17871	\$78,713,575.25	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.39645	\$857,333.69	
Construction Management	\$3,759,889.25	1.1667	\$4,386,662.79	1.39645	\$6,125,755.25	
						\$86,514,239.36
Water Surface 100 +6'						
Unit A (Sta 0+00 - Sta 934+00)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86	
Relocations	\$507,998.21	1.3119	\$666,442.85	1.6694	\$1,112,559.70	
Levees and Floodwalls	\$49,847,652.57	1.3119	\$65,395,135.41	1.6694	\$109,170,639.05	
Planning	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29	

Engineering and Design					
Construction Management	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79
					\$116,107,285.69
Water Surface 100 + 7'					
Unit A (Sta 0+00 - Sta 934+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86
Relocations	\$554,724.41	1.3119	\$727,742.95	1.6694	\$1,214,894.09
Levees and Floodwalls	\$54,396,703.17	1.3119	\$71,363,034.89	1.6694	\$119,133,450.44
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29
Construction Management	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79
					\$126,172,431.47
Water Surface 100 + 8'					
Unit A (Sta 0+00 - Sta 934+00)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.6694	\$21,900.86
Relocations	\$554,724.41	1.3119	\$727,742.95	1.6694	\$1,214,894.09
Levees and Floodwalls	\$61,405,966.02	1.3119	\$80,558,486.82	1.6694	\$134,484,337.90

Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.36801	\$839,873.29
Construction Management	\$3,109,106.98	1.1667	\$3,627,395.11	1.36801	\$4,962,312.79
					\$141,523,318.93

Belen West Units

2016	Cost with no Esc. Or Cont.	Contingency	Total	Escalation	Total Cost	Total Unit Cost
Belen East Units						
Water Surface 100						
Unit A (Sta 0+00 - Sta 1041+51)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13	
Relocations	\$225,834.80	1.3119	\$296,272.67	1.26314	\$374,233.87	
Levees and Floodwalls	\$21,240,003.45	1.3119	\$27,864,760.53	1.26314	\$35,197,093.61	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67	
Construction Management	\$2,295,629.14	1.1667	\$2,678,310.52	1.62245	\$4,345,424.90	

\$40,929,407.18					
Unit B (Sta 0+00 - Sta 1235+80)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.27586	\$16,738.01
Relocations	\$322,244.20	1.3119	\$422,752.17	1.27586	\$539,372.58
Levees and Floodwalls	\$23,752,430.89	1.3119	\$31,160,814.08	1.27586	\$39,756,836.26
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.65897	\$1,018,504.69
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.65897	\$6,122,706.52
					\$47,454,158.05
Water Surface 100 + 1'					
Unit A (Sta 0+00 - Sta 1041+51)					
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13
Relocations	\$230,314.11	1.3119	\$302,149.08	1.26314	\$381,656.59
Levees and Floodwalls	\$21,982,733.69	1.3119	\$28,839,148.33	1.26314	\$36,427,881.82
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67
Construction Management	\$2,295,629.14	1.1667	\$2,678,310.52	1.62245	\$4,345,424.90
\$42,167,618.12					

Unit B (Sta 0+00 - Sta 1235+80)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.27586	\$16,738.01	
Relocations	\$329,951.14	1.3119	\$432,862.90	1.27586	\$552,272.46	
Levees and Floodwalls	\$24,477,091.17	1.3119	\$32,111,495.91	1.27586	\$40,969,773.17	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.65897	\$1,018,504.69	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.65897	\$6,122,706.52	
						\$48,679,994.84
Water Surface 100 + 2'						
Unit A (Sta 0+00 - Sta 1041+51)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13	
Relocations	\$254,678.86	1.3119	\$334,113.20	1.26314	\$422,031.74	
Levees and Floodwalls	\$24,999,273.83	1.3119	\$32,796,547.34	1.26314	\$41,426,630.80	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67	
Construction Management	\$2,295,629.14	1.1667	\$2,678,310.52	1.62245	\$4,345,424.90	
						\$47,206,742.25
Unit B (Sta 0+00						

- Sta 1235+80)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.27586	\$16,738.01	
Relocations	\$363,376.77	1.3119	\$476,713.98	1.27586	\$608,220.30	
Levees and Floodwalls	\$28,134,293.33	1.3119	\$36,909,379.42	1.27586	\$47,091,200.83	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.65897	\$1,018,504.69	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.65897	\$6,122,706.52	
						\$54,857,370.35
Water Surface 100 + 3'						
Unit A (Sta 0+00 - Sta 1041+51)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13	
Relocations	\$279,012.23	1.3119	\$366,036.14	1.26314	\$462,354.90	
Levees and Floodwalls	\$28,075,697.42	1.3119	\$36,832,507.45	1.26314	\$46,524,613.45	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67	
Construction Management	\$2,295,629.14	1.1667	\$2,678,310.52	1.62245	\$4,345,424.90	
						\$52,345,048.06
Unit B (Sta 0+00 - Sta 1235+80)						

Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.27586	\$16,738.01	
Relocations	\$394,236.70	1.3119	\$517,199.13	1.27586	\$659,873.68	
Levees and Floodwalls	\$31,616,441.13	1.3119	\$41,477,609.12	1.27586	\$52,919,622.37	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.65897	\$1,018,504.69	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.65897	\$6,122,706.52	
						\$60,737,445.26
Water Surface 100 + 4'						
Unit A (Sta 0+00 - Sta 1041+51)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13	
Relocations	\$277,567.05	1.3119	\$364,140.21	1.26314	\$459,960.07	
Levees and Floodwalls	\$30,103,643.82	1.3119	\$39,492,970.33	1.26314	\$49,885,150.54	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67	
Construction Management	\$2,295,629.14	1.1667	\$2,678,310.52	1.62245	\$4,345,424.90	
						\$55,703,190.32
Unit B (Sta 0+00 - Sta 1235+80)						
Lands and	\$10,000.00	1.3119	\$13,119.00	1.27586	\$16,738.01	

Damages						
Relocations	\$397,062.00	1.3119	\$520,905.64	1.27586	\$664,602.67	
Levees and Floodwalls	\$33,961,348.07	1.3119	\$44,553,892.53	1.27586	\$56,844,529.33	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.65897	\$1,018,504.69	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.65897	\$6,122,706.52	
						\$64,667,081.21
Water Surface 100 + 5'						
Unit A (Sta 0+00 - Sta 1041+51)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13	
Relocations	\$361,528.66	1.3119	\$474,289.45	1.26314	\$599,093.97	
Levees and Floodwalls	\$36,926,328.74	1.3119	\$48,443,650.67	1.26314	\$61,191,112.91	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67	
Construction Management	\$2,295,629.14	1.1667	\$2,678,310.52	1.62245	\$4,345,424.90	
						\$67,148,286.59
Unit B (Sta 0+00 - Sta 1235+80)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.27586	\$16,738.01	

Relocations	\$390,187.11	1.3119	\$511,886.47	1.27586	\$653,095.47	
Levees and Floodwalls	\$41,153,365.21	1.3119	\$53,989,099.82	1.27586	\$68,882,532.90	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.65897	\$1,018,504.69	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.65897	\$6,122,706.52	
						\$76,693,577.58
Water Surface 100 + 6' Unit B (Sta 0+00 - Sta 1235+80)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13	
Relocations	\$467,682.33	1.3119	\$613,552.45	1.26314	\$775,002.64	
Levees and Floodwalls	\$46,963,959.81	1.3119	\$61,612,018.87	1.26314	\$77,824,605.52	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.62245	\$5,987,923.34	
						\$85,600,186.31
Water Surface 100 + 7'						
Unit B (Sta 0+00 - Sta 1235+80)						
Lands and	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13	

Damages						
Relocations	\$528,370.11	1.3119	\$693,168.75	1.26314	\$875,569.17	
Levees and Floodwalls	\$53,221,912.59	1.3119	\$69,821,827.13	1.26314	\$88,194,742.72	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.62245	\$5,987,923.34	
						\$96,070,890.04
Water Surface 100 + 8'						
Unit B (Sta 0+00 - Sta 1235+80)						
Lands and Damages	\$10,000.00	1.3119	\$13,119.00	1.26314	\$16,571.13	
Relocations	\$528,370.11	1.3119	\$693,168.75	1.26314	\$875,569.17	
Levees and Floodwalls	\$60,601,168.31	1.3119	\$79,502,672.71	1.26314	\$100,423,006.00	
Planning Engineering and Design	\$508,100.62	1.2083	\$613,937.98	1.62245	\$996,083.67	
Construction Management	\$3,163,338.83	1.1667	\$3,690,667.41	1.62245	\$5,987,923.34	
						\$108,299,153.33