RECLAMATION

Managing Water in the West

Auburn-Folsom South Unit

Update of Cost

U.S. Department of the Interior
Bureau of Reclamation
Central California Area Office
7794 Folsom Dam Road
Folsom, CA 95630

June 2006

Appendix D

Risk Analysis Workbooks

Risk Factor	Risk Scenario	Prob. Of Encountering Scale of 1 to 5	Overall Cost Impact Scale of 1 to 5	Risk Score Scale of 1 to 5
Hydrologic Uncertainty	Design	0	0	0
	Source	0	0	0
Seismic Uncertainty	Design	0	0	0
	Source	0	0	0
Borrow Sources	Quantity	0	0	0
	Quality	0	0	0
Quantities	Quantity	0	0	0
Real Estate	Cost	0	0	0
	Quantity	0	0	0
Environmental Uncertainty	Permits	0	0	0
	Mitigation	0	0	0
Market Conditions	Material availability	3	2	1.2
	Labor availability	2	3	1.2

	Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
	Hydrologic Uncertainty	Design	0						Original Estimate	Revised Estimate	Change in Cost Estimate
									$ 527,517,793	$ 527,517,793	$ -
		Quantity				Unit Price			Cost Estimate		
Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 87,919,632	$ 87,919,632	$ -
									0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Hydrologic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 527,517,793	$ 527,517,793	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Seismic Uncertainty	Design	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 527,517,793	$ 527,517,793	$ -
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Seismic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 527,517,793	$ 527,517,793	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0%	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0%	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Borrow Sources	Quantity	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 527,517,793	$ 527,517,793	$ -
				Quantity				**Unit Price**		**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0%	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0%	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0%	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Borrow Sources	Quality	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 527,517,793	$ 527,517,793	$ -
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0%	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0%	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Quantities	Quantities	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 527,517,793	$ 527,517,793	$ -
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0%	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0%	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Real Estate	Cost	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 527,517,793	$ 527,517,793	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0%	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0%	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Real Estate	Quantity	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 527,517,793	$ 527,517,793	$ -
				Quantity				**Unit Price**		**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0%	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0%	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Environmental Constraints	Permits	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 527,517,793	$ 527,517,793	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0%	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0%	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Environmental Constraints	Mitigation	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 527,517,793	$ 527,517,793	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	0%	$ 1,598,807	$ 191,856,800	$ 191,856,800	$ -
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	0%	$ 956,272	$ 114,752,693	$ 114,752,693	$ -
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Material	2						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 527,517,793	$ 542,848,267	$ 15,330,475

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	0%	$ 847,665	$ 101,719,800	$ 101,719,800	$ -
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	5%	$ 1,678,747	$ 191,856,800	$ 201,449,640	$ 9,592,840
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	5%	$ 1,004,086	$ 114,752,693	$ 120,490,327	$ 5,737,635
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Labor	3						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 527,517,793	$ 547,934,257	$ 20,416,465

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	01310.0	PROJECT ADMINISTRATION AND MANAGEMENT	120	MO	0%	120	$ 847,665.00	5%	$ 890,048	$ 101,719,800	$ 106,805,790	$ 5,085,990
0	01430.0	QUALITY ASSURANCE AND CONTROL	120	MO	0%	120	$ 1,598,806.67	5%	$ 1,678,747	$ 191,856,800	$ 201,449,640	$ 9,592,840
0	01520.0	TEMPORARY FACILITIES AND CONSTRUCTION	120	MO	0%	120	$ 956,272.44	5%	$ 1,004,086	$ 114,752,693	$ 120,490,327	$ 5,737,635
0	01720.0	EXECUTION	120	MO	0%	120	$ 188,197.50	0%	$ 188,198	$ 22,583,700	$ 22,583,700	$ -
0	01800.0	OPERATIONS	12	MO	0%	12	$ 115,920.00	0%	$ 115,920	$ 1,391,040	$ 1,391,040	$ -
0	01910.0	DECOMMISSION	6	MO	0%	6	$ 1,215,688.00	0%	$ 1,215,688	$ 7,294,128	$ 7,294,128	$ -
0	0000.0	DESIGN CONTINGENCY	0	%	-100%					$ 87,919,632	$ 87,919,632	$ -
										0	0	0

Risk Factor	Risk Scenario	Prob. Of Encountering Scale of 1 to 5	Overall Cost Impact Scale of 1 to 5	Risk Score Scale of 1 to 5
Hydrologic Uncertainty	Design		0	0
	Source		0	0
Seismic Uncertainty	Design		0	0
	Source		0	0
Borrow Sources	Quantity		0	0
	Quality		0	0
Quantities	Quantity		0	0
Real Estate	Cost		0	0
	Quantity		0	0
Environmental constraints	Permits		0	0
	Mitigation		0	0
Market Conditions	Material availability		0	0
	Labor availability		0	0

	Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
	Hydrologic Uncertainty	Design	0						Original Estimate	Revised Estimate	Change in Cost Estimate
									$ 94,989,257	$ 15,831,543	$ (79,157,714)

		Quantity				Unit Price			Cost Estimate		
Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
									0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Hydrologic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Seismic Uncertainty	Design	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Seismic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score							Cost Estimate	
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Borrow Sources	Quantity	0								
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Borrow Sources	Quality	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Quantities	Quantities	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Real Estate	Cost	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Real Estate	Quantity	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Environmental Constraints	Permits	0								
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Environmental Constraints	Mitigation	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Market Conditions	Material	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Labor	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 94,989,257	$ 15,831,543	$ (79,157,714)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02220.0	DEMOLITION	1	LS	-100%		$ 5,411,388	-100%		$ 5,411,388	$ -	$ (5,411,388)
0	02230.0	SITE CLEARING	32,000	AC	-100%		$ 1,243	-100%		$ 39,780,800	$ -	$ (39,780,800)
0	02240.0	DEWATERING	60	MO	-100%		$ 344,947	-100%		$ 20,696,826	$ -	$ (20,696,826)
0	02260.0	EXCAVATION SUPPORT AND PROTECTION	600,000	CY	-100%		$ 22	-100%		$ 13,268,700	$ -	$ (13,268,700)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 15,831,543	$ 15,831,543	$ -
										0	0	0

Risk Factor	Risk Scenario	Prob. Of Encountering Scale of 1 to 5	Overall Cost Impact Scale of 1 to 5	Risk Score Scale of 1 to 5
Hydrologic Uncertainty	Design	2	2	0.8
	Source	2	0	0
Seismic Uncertainty	Design	5	5	5
	Source	2	5	2
Borrow Sources	Quantity	1	5	1
	Quality	2	5	2
Quantities	Quantity	2	5	2
Real Estate	Cost	0	0	0
	Quantity	0	0	0
Environmental constraints	Permits	0	0	0
	Mitigation	0	0	0
Market Conditions	Material availability	3	4	2.4
	Labor availability	2	5	2

	Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
	Hydrologic Uncertainty	**Design**	2						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
									$ 2,510,418,058	$ 2,523,730,010	$ 13,311,952
		Quantity				**Unit Price**			**Cost Estimate**		
Specification	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13,475,000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 16,324,250	$ -
03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	14%	250,000	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 87,681,637	$ 10,802,378
03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68,000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
03700.0	MASS CONCRETE	9,950,000	CY	0%	9,950,000	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 1,868,441,800	$ -
05500.0	METALS	2,575,000	LB	0%	2,575,000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
11280.0	GATES AND VALVES	14	EA	14%	16	$ 1,254,787.18	0%	$ 1,254,787	$ 17,567,021	$ 20,076,595	$ 2,509,574
16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895	$ 54,736,895	$ 54,736,895	$ -
0000.0	DESIGN CONTINGENCY	0.2	%	0%	0	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
									$ -	$ -	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Hydrologic Uncertainty	**Source**	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 2,510,418,058	$ -
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13475000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 16,324,250	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219200	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 76,879,260	$ -
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9950000	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 1,868,441,800	$ -
0	05500.0	METALS	2,575,000	LB	0%	2575000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	$ 1,254,787.18	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895.00	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Seismic Uncertainty	Design	5						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 3,263,034,462	$ 752,616,405

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	9%	14,700,000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 17,808,273	$ 1,484,023
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219,200	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 76,879,260	$ -
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68,000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	40%	13,950,000	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 2,619,574,182	$ 751,132,382
0	05500.0	METALS	2,575,000	LB	0%	2,575,000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	$ 1,254,787	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

PGA increases, requiring additional mass concrete

Risk Factor	Risk Scenario	Risk Score	Cost Estimate		
			Original Estimate	Revised Estimate	Change in Cost Estimate
Seismic Uncertainty	Source	5	$ 2,510,418,058	$ 3,310,632,637	$ 800,214,579

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1,230,000	CY	4%	1,280,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,701,456	$ 652,401
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	9%	14,700,000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 17,808,273	$ 1,484,023
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219,200	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 76,879,260	$ -
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68,000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	43%	14,200,000	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 2,666,519,956	$ 798,078,156
0	05500.0	METALS	2,575,000	LB	0%	2,575,000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	$ 1,254,787.18	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895.00	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Borrow Sources	Quantity	5						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 2,611,528,074	$ 101,110,016
					Quantity			**Unit Price**			**Cost Estimate**	
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13475000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 16,324,250	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219200	$ 350.73	10%	$ 385.80	$ 76,879,260	$ 84,567,185	$ 7,687,926
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9950000	$ 187.78	5%	$ 197.17	$ 1,868,441,800	$ 1,961,863,890	$ 93,422,090
0	05500.0	METALS	2,575,000	LB	0%	2575000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	$ 1,254,787	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -
		Insufficienct aggregate from identified sources requiring importing aggregate from other sources.										

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Borrow Sources	Quality	5						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 2,611,528,074	$ 101,110,016
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13,475,000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 16,324,250	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219,200	$ 350.73	10%	$ 385.80	$ 76,879,260	$ 84,567,185	$ 7,687,926
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68,000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9,950,000	$ 187.78	5%	$ 197.17	$ 1,868,441,800	$ 1,961,863,890	$ 93,422,090
0	05500.0	METALS	2,575,000	LB	0%	2,575,000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	$ 1,254,787	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Quantities	Quantities	5						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 2,650,149,591	$ 139,731,534
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	10%	1353000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 17,653,961	$ 1,604,906
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	5%	14148750	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 17,140,463	$ 816,212
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	15%	252080	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 88,411,148	$ 11,531,889
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	200%	204000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 22,791,804	$ 15,194,536
0	03700.0	MASS CONCRETE	9,950,000	CY	5%	10447500	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 1,961,863,890	$ 93,422,090
0	05500.0	METALS	2,575,000	LB	5%	2703750	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 36,140,475	$ 1,720,975
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	10%	$ 1,380,266	$ 17,567,021	$ 19,323,723	$ 1,756,702
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	25%	$ 68,421,119	$ 54,736,895	$ 68,421,119	$ 13,684,224
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Real Estate	Cost	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 2,510,418,058	$ 2,510,418,058	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13475000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 16,324,250	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219200	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 76,879,260	$ -
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9950000	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 1,868,441,800	$ -
0	05500.0	METALS	2,575,000	LB	0%	2575000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	$ 1,254,787	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Real Estate	Quantity	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 2,510,418,058	$ -
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13475000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 16,324,250	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219200	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 76,879,260	$ -
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9950000	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 1,868,441,800	$ -
0	05500.0	METALS	2,575,000	LB	0%	2575000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	$ 1,254,787	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Environmental Constraints	Permits	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 2,510,418,058	$ -
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13475000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 16,324,250	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219200	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 76,879,260	$ -
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9950000	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 1,868,441,800	$ -
0	05500.0	METALS	2,575,000	LB	0%	2575000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	$ 1,254,787	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	$ 54,736,895	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Environmental Constraints	Mitigation	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 2,510,418,058	$ -
				Quantity				**Unit Price**			**Cost Estimate**	
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	0%	$ 13.05	$ 16,049,055	$ 16,049,055	$ -
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13475000	$ 1.21	0%	$ 1.21	$ 16,324,250	$ 16,324,250	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219200	$ 350.73	0%	$ 350.73	$ 76,879,260	$ 76,879,260	$ -
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68000	$ 111.72	0%	$ 111.72	$ 7,597,268	$ 7,597,268	$ -
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9950000	$ 187.78	0%	$ 187.78	$ 1,868,441,800	$ 1,868,441,800	$ -
0	05500.0	METALS	2,575,000	LB	0%	2575000	$ 13.37	0%	$ 13.37	$ 34,419,500	$ 34,419,500	$ -
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	0%	###########	$ 17,567,021	$ 17,567,021	$ -
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	0%	###########	$ 54,736,895	$ 54,736,895	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0.2	$ -			$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Market Conditions	Material	4						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 2,510,418,058	$ 2,593,503,772	$ 83,085,715
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	10%	$ 14.35	$ 16,049,055	$ 17,653,961	$ 1,604,906
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13,475,000	$ 1.21	25%	$ 1.51	$ 16,324,250	$ 20,405,313	$ 4,081,063
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219,200	$ 350.73	3%	$ 361.25	$ 76,879,260	$ 79,185,637	$ 2,306,378
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68,000	$ 111.72	7.5%	$ 120.10	$ 7,597,268	$ 8,167,063	$ 569,795
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9,950,000	$ 187.78	3%	$ 193.42	$ 1,868,441,800	$ 1,924,495,054	$ 56,053,254
0	05500.0	METALS	2,575,000	LB	0%	2,575,000	$ 13.37	25%	$ 16.71	$ 34,419,500	$ 43,024,375	$ 8,604,875
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	25%	$ 1,568,484	$ 17,567,021	$ 21,958,776	$ 4,391,755
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	10%	$ 60,210,585	$ 54,736,895	$ 60,210,585	$ 5,473,690
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -
	Earthwork unit price increases by 10% due to increase in fuel costs											
	Concrete reinforcement increase by 25% due to increase in steel price											

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Market Conditions	Labor	5								
										$ 2,510,418,058	$ 2,615,018,810	$ 104,600,752

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1,230,000	CY	0%	1,230,000	$ 13.05	5%	$ 13.70	$ 16,049,055	$ 16,851,508	$ 802,453
0	03200.0	CONCRETE REINFORCEMENT	13,475,000	LB	0%	13,475,000	$ 1.21	5%	$ 1.27	$ 16,324,250	$ 17,140,463	$ 816,213
0	03300.0	CAST-IN-PLACE CONCRETE	219,200	CY	0%	219,200	$ 350.73	5%	$ 368.26	$ 76,879,260	$ 80,723,222	$ 3,843,963
0	03600.0	GROUT CONSOLIDATION AND CURTAIN	68,000	SKS	0%	68,000	$ 111.72	5%	$ 117.31	$ 7,597,268	$ 7,977,131	$ 379,863
0	03700.0	MASS CONCRETE	9,950,000	CY	0%	9,950,000	$ 187.78	5%	$ 197.17	$ 1,868,441,800	$ 1,961,863,890	$ 93,422,090
0	05500.0	METALS	2,575,000	LB	0%	2,575,000	$ 13.37	5%	$ 14.04	$ 34,419,500	$ 36,140,475	$ 1,720,975
0	11280.0	GATES AND VALVES	14	EA	0%	14	$ 1,254,787.18	5%	$ 1,317,527	$ 17,567,021	$ 18,445,372	$ 878,351
0	16000.0	ELECTRICAL	1	LS	0%	1	$ 54,736,895	5%	$ 57,473,740	$ 54,736,895	$ 57,473,740	$ 2,736,845
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0	$ -		$ -	$ 418,403,010	$ 418,403,010	$ -
										$ -	$ -	$ -

Risk Factor	Risk Scenario	Prob. Of Encountering Scale of 1 to 5	Overall Cost Impact Scale of 1 to 5	Risk Score Scale of 1 to 5
Hydrologic Uncertainty	Design	0	0	0
	Source	0	0	0
Seismic Uncertainty	Design	2	3	1.2
	Source	2	3	1.2
Borrow Sources	Quantity	0	0	0
	Quality	0	0	0
Quantities	Quantity	0	0	0
Real Estate	Cost	0	0	0
	Quantity	0	0	0
Environmental Uncertainty	Permits	0	0	0
	Mitigation	0	0	0
Market Conditions	Material availability	3	5	3
	Labor availability	2	3	1.2

	Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
	Hydrologic Uncertainty	Design	0						Original Estimate	Revised Estimate	Change in Cost Estimate
									$ 693,548,311	$ 693,548,311	$ -

		Quantity				Unit Price			Cost Estimate		
Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12100000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14969000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834.23	$ 19,354,845	$ 19,354,845	$ -
13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
									0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Hydrologic Uncertainty	**Source**	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 693,548,311	$ 693,548,311	$ -
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095.00	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12100000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14969000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834.23	$ 19,354,845	$ 19,354,845	$ -
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Seismic Uncertainty	Design	3						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 693,548,311	$ 716,132,191	$ 22,583,880

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095.00	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	2%	12,342,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 14,193,300	$ 278,300
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	2%	15,268,380	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 92,199,501	$ 1,807,833
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	5%	$ 1,563,275.94	$ 19,354,845	$ 20,322,587	$ 967,742
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	5%	$ 6,247,082	$ 17,848,805	$ 18,741,245	$ 892,440
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	5%	$ 13,109,526	$ 12,485,263	$ 13,109,526	$ 624,263
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	5%	$ 378,279,321	$ 360,266,020	$ 378,279,321	$ 18,013,301
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Seismic Uncertainty	Source	3						$ 693,548,311	$ 716,132,191	$ 22,583,880

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	2%	12,342,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 14,193,300	$ 278,300
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	2%	15,268,380	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 92,199,501	$ 1,807,833
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	5%	$ 1,563,276	$ 19,354,845	$ 20,322,587	$ 967,742
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	5%	$ 6,247,082	$ 17,848,805	$ 18,741,245	$ 892,440
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	5%	$ 13,109,526	$ 12,485,263	$ 13,109,526	$ 624,263
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	5%	$ 378,279,321	$ 360,266,020	$ 378,279,321	$ 18,013,301
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Borrow Sources	Quantity	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 693,548,311	$ 693,548,311	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834	$ 19,354,845	$ 19,354,845	$ -
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Borrow Sources	Quality	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 693,548,311	$ 693,548,311	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834	$ 19,354,845	$ 19,354,845	$ -
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Quantities	Quantities	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 693,548,311	$ 693,548,311	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834	$ 19,354,845	$ 19,354,845	$ -
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

Risk Factor	Risk Scenario	Risk Score	Cost Estimate		
			Original Estimate	Revised Estimate	Change in Cost Estimate
Real Estate	Cost	0			
			$ 693,548,311	$ 693,548,311	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834	$ 19,354,845	$ 19,354,845	$ -
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Real Estate	Quantity	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 693,548,311	$ 693,548,311	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834	$ 19,354,845	$ 19,354,845	$ -
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Environmental Constraints	Permits	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 693,548,311	$ 693,548,311	$ -
				Quantity				Unit Price		Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834	$ 19,354,845	$ 19,354,845	$ -
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0	$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Environmental Constraints	Mitigation	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 693,548,311	$ 693,548,311	$ -

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	0%	$ 4,330,095	$ 4,330,095	$ 4,330,095	$ -
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	0%	$ 1.15	$ 13,915,000	$ 13,915,000	$ -
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	0%	$ 744.24	$ 58,050,505	$ 58,050,505	$ -
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	0%	$ 6.04	$ 90,391,668	$ 90,391,668	$ -
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	0%	$ 1,488,834	$ 19,354,845	$ 19,354,845	$ -
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	0%	$ 5,949,602	$ 17,848,805	$ 17,848,805	$ -
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	0%	$ 12,485,263	$ 12,485,263	$ 12,485,263	$ -
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	0%	$ 360,266,020	$ 360,266,020	$ 360,266,020	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%	0%	0	$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Material	5						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 693,548,311	$ 824,288,236	$ 130,739,925

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	10%	$ 4,763,105	$ 4,330,095	$ 4,763,105	$ 433,010
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	25%	$ 1.44	$ 13,915,000	$ 17,393,750	$ 3,478,750
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	3%	$ 766.56	$ 58,050,505	$ 59,792,020	$ 1,741,515
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	25%	$ 7.55	$ 90,391,668	$ 112,989,584	$ 22,597,917
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	25%	$ 1,861,043	$ 19,354,845	$ 24,193,556	$ 4,838,711
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	0%	$ 469.55	$ 1,314,726	$ 1,314,726	$ -
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	25%	$ 7,437,002	$ 17,848,805	$ 22,311,006	$ 4,462,201
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	25%	$ 15,606,578	$ 12,485,263	$ 15,606,578	$ 3,121,316
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	25%	$ 450,332,525	$ 360,266,020	$ 450,332,525	$ 90,066,505
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Market Conditions	Labor	3						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 693,548,311	$ 722,446,157	$ 28,897,846

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	1	LS	0%	1	$ 4,330,095.00	5%	$ 4,546,600	$ 4,330,095	$ 4,546,600	$ 216,505
0	03200.0	CONCRETE REINFORCEMENT	12,100,000	LB	0%	12,100,000	$ 1.15	5%	$ 1.21	$ 13,915,000	$ 14,610,750	$ 695,750
0	03300.0	CAST-IN-PLACE CONCRETE	78,000	CY	0%	78,000	$ 744.24	5%	$ 781.45	$ 58,050,505	$ 60,953,030	$ 2,902,525
0	05500.0	STEEL FABRICATIONS	14,969,000	LB	0%	14,969,000	$ 6.04	5%	$ 6.34	$ 90,391,668	$ 94,911,251	$ 4,519,583
0	11280.0	HYDRAULIC GATES AND VALVES	13	EA	0%	13	$ 1,488,834.23	5%	$ 1,563,276	$ 19,354,845	$ 20,322,587	$ 967,742
0	13100.0	SPECIAL CONSTRUCTION	2,800	SF	0%	2,800	$ 469.55	5%	$ 493.02	$ 1,314,726	$ 1,380,462	$ 65,736
0	14600.0	CONVEYING SYSTEMS	3	EA	0%	3	$ 5,949,601.67	5%	$ 6,247,082	$ 17,848,805	$ 18,741,245	$ 892,440
0	15100.0	MECHANICAL	1.0	LS	0%	1	$ 12,485,262.50	5%	$ 13,109,526	$ 12,485,263	$ 13,109,526	$ 624,263
0	16100.0	ELECTRICAL	1	LS	0%	1	$ 360,266,020.00	5%	$ 378,279,321	$ 360,266,020	$ 378,279,321	$ 18,013,301
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%		$ -			$ 115,591,385	$ 115,591,385	$ -
										0	0	0

Risk Factor	Risk Scenario	Prob. Of Encountering Scale of 1 to 5	Overall Cost Impact Scale of 1 to 5	Risk Score Scale of 1 to 5
Hydrologic Uncertainty	Design		0	0
	Source		0	0
Seismic Uncertainty	Design		0	0
	Source		0	0
Borrow Sources	Quantity		0	0
	Quality		0	0
Quantities	Quantity		0	0
Real Estate	Cost		0	0
	Quantity		0	0
Environmental constraints	Permits		0	0
	Mitigation		0	0
Market Conditions	Material availability		0	0
	Labor availability		0	0

	Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**						
	Hydrologic Uncertainty	**Design**	0							**Original Estimate**		**Revised Estimate**		**Change in Cost Estimate**		
										$	91,240,966	$	15,206,828	$	(76,034,138)	
			Quantity				**Unit Price**				**Cost Estimate**					
Specification	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**		**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**		**Revised Estimate**		**Change in Cost Estimate**		
02300.0	EARTHWORK	13,500	CY	-1		$	266.74	-100%		$	3,601,053	$	-	$	(3,601,053)	
03200.0	CONCRETE REINFORCEMENT	190,000	LB	-1		$	1.15	-100%		$	218,500	$	-	$	(218,500)	
03300.0	CAST-IN-PLACE CONCRETE	730	CY	-1		$	850.51	-100%		$	620,876	$	-	$	(620,876)	
05500.0	STEEL FABRICATIONS	300,000	LB	-1		$	18.87	-100%		$	5,660,300	$	-	$	(5,660,300)	
13100.0	SPECIAL CONSTRUCTION	1	LS	-1		$	549,700	-100%		$	549,700	$	-	$	(549,700)	
15100.0	MECHANICAL	1	LS	-1		$	2,849,700	-100%		$	2,849,700	$	-	$	(2,849,700)	
16100.0	ELECTRICAL	1	LS	-1		$	62,534,010	-100%		$	62,534,010	$	-	$	(62,534,010)	
0000.0	DESIGN CONTINGENCY	0.2	%			$	-			$	15,206,828	$	15,206,828	$	-	
											0		0		0	

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Hydrologic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 91,240,966	$ 15,206,828	$ (76,034,138)
			Quantity				Unit Price			Cost Estimate		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	13,500	CY	-1		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-1		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-1		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-1		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-1		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-1		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-1		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**					**Cost Estimate**		
		Seismic Uncertainty	Design	0					**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
									$ 91,240,966	$ 15,206,828	$ (76,034,138)

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Seismic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 91,240,966	$ 15,206,828	$ (76,034,138)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Borrow Sources	Quantity	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 91,240,966	$ 15,206,828	$ (76,034,138)
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Borrow Sources	Quality	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 91,240,966	$ 15,206,828	$ (76,034,138)
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Quantities	Quantities	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 91,240,966	$ 15,206,828	$ (76,034,138)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Real Estate	Cost	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 91,240,966	$ 15,206,828	$ (76,034,138)
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Real Estate	Quantity	0								
										$ 91,240,966	$ 15,206,828	$ (76,034,138)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

Risk Factor	Risk Scenario	Risk Score	Cost Estimate: Original Estimate	Cost Estimate: Revised Estimate	Cost Estimate: Change in Cost Estimate
Environmental Constraints	Permits	0			
			$ 91,240,966	$ 15,206,828	$ (76,034,138)

ID	Specification	Line Description	Quantity: Original Estimate	Quantity: Units	Quantity: %Change under Risk Scenario	Quantity: Revised Estimate	Unit Price: Original Estimate	Unit Price: %Change under Risk Scenario	Unit Price: Revised Estimate	Cost Estimate: Original Estimate	Cost Estimate: Revised Estimate	Cost Estimate: Change in Cost Estimate
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score							Cost Estimate	
		Environmental Constraints	Mitigation	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 91,240,966	$ 15,206,828	$ (76,034,138)
			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Material	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 91,240,966	$ 15,206,828	$ (76,034,138)
			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Labor	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 91,240,966	$ 15,206,828	$ (76,034,138)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02300.0	EARTHWORK	13,500	CY	-100%		$ 266.74	-100%		$ 3,601,053	$ -	$ (3,601,053)
0	03200.0	CONCRETE REINFORCEMENT	190,000	LB	-100%		$ 1.15	-100%		$ 218,500	$ -	$ (218,500)
0	03300.0	CAST-IN-PLACE CONCRETE	730	CY	-100%		$ 850.51	-100%		$ 620,876	$ -	$ (620,876)
0	05500.0	STEEL FABRICATIONS	300,000	LB	-100%		$ 18.87	-100%		$ 5,660,300	$ -	$ (5,660,300)
0	13100.0	SPECIAL CONSTRUCTION	1	LS	-100%		$ 549,700	-100%		$ 549,700	$ -	$ (549,700)
0	15100.0	MECHANICAL	1	LS	-100%		$ 2,849,700	-100%		$ 2,849,700	$ -	$ (2,849,700)
0	16100.0	ELECTRICAL	1	LS	-100%		$ 62,534,010	-100%		$ 62,534,010	$ -	$ (62,534,010)
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 15,206,828	$ 15,206,828	$ -
										0	0	0

Risk Factor	Risk Scenario	Prob. Of Encountering Scale of 1 to 5	Overall Cost Impact Scale of 1 to 5	Risk Score Scale of 1 to 5
Hydrologic Uncertainty	Design	2	1	0.4
	Source	2	1	0.4
Seismic Uncertainty	Design	2	3	1.2
	Source	2	1	0.4
Borrow Sources	Quantity	1	1	0.2
	Quality	2	1	0.4
Quantities	Quantity	4	4	3.2
Real Estate	Cost	5	5	5
	Quantity	2	3	1.2
Environmental constraints	Permits	3	3	1.8
	Mitigation	3	3	1.8
Market Conditions	Material availability	3	3	1.8
	Labor availability	2	3	1.2

	Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
	Hydrologic Uncertainty	**Design**	1						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
									$ 562,827,798	$ 572,208,261	$ 9,380,463

		Quantity				**Unit Price**			**Cost Estimate**		
Specification	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	2%	$ 37,779,389	$ 148,154,466	$ 151,117,555	$ 2,963,089
00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	2%	$ 24,601,503	$ 289,429,447	$ 295,218,036	$ 5,788,589
00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	2%	$ 8,017,009	$ 31,439,252	$ 32,068,037	$ 628,785
0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Hydrologic Uncertainty	Source	1						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 562,827,798	$ 572,208,261	$ 9,380,463

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	2%	$ 37,779,389	$ 148,154,466	$ 151,117,555	$ 2,963,089
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	2%	$ 24,601,503	$ 289,429,447	$ 295,218,036	$ 5,788,589
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	2%	$ 8,017,009	$ 31,439,252	$ 32,068,037	$ 628,785
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Seismic Uncertainty	Design	3								
										$ 562,827,798	$ 595,362,617	$ 32,534,819

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	2%	$ 37,779,389	$ 148,154,466	$ 151,117,555	$ 2,963,089
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	10%	$ 26,531,033	$ 289,429,447	$ 318,372,392	$ 28,942,945
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	2%	$ 8,017,009	$ 31,439,252	$ 32,068,037	$ 628,785
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Seismic Uncertainty	Source	1						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 562,827,798	$ 572,208,261	$ 9,380,463

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	2%	$ 37,779,389	$ 148,154,466	$ 151,117,555	$ 2,963,089
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	2%	$ 24,601,503	$ 289,429,447	$ 295,218,036	$ 5,788,589
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	2%	$ 8,017,009	$ 31,439,252	$ 32,068,037	$ 628,785
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Borrow Sources	Quantity	1						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 562,827,798	$ 572,208,261	$ 9,380,463

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	2%	$ 37,779,389	$ 148,154,466	$ 151,117,555	$ 2,963,089
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	2%	$ 24,601,503	$ 289,429,447	$ 295,218,036	$ 5,788,589
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	2%	$ 8,017,009	$ 31,439,252	$ 32,068,037	$ 628,785
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Borrow Sources	Quality	1						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 562,827,798	$ 572,208,261	$ 9,380,463

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	2%	$ 37,779,389	$ 148,154,466	$ 151,117,555	$ 2,963,089
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	2%	$ 24,601,503	$ 289,429,447	$ 295,218,036	$ 5,788,589
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	2%	$ 8,017,009	$ 31,439,252	$ 32,068,037	$ 628,785
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Quantities	Quantities	4						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 562,827,798	$ 633,181,273	$ 70,353,475
				Quantity				**Unit Price**		**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	15%	4.6	$ 37,038,617	0%	$ 37,038,617	$ 148,154,466	$ 170,377,636	$ 22,223,170
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	15%	13.8	$ 24,119,121	0%	$ 24,119,121	$ 289,429,447	$ 332,843,864	$ 43,414,417
0	00003.0	ACCESS ROADS	4	Mile	15%	4.6	$ 7,859,813	0%	$ 7,859,813	$ 31,439,252	$ 36,155,140	$ 4,715,888
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -
	Require a longer road. This being a preliminary design, do not have a well-defined alignment. May require routing the road around population centers.											

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Real Estate	Cost	5						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 562,827,798	$ 797,339,381	$ 234,511,583

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	50%	$ 55,557,925	$ 148,154,466	$ 222,231,699	$ 74,077,233
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	50%	$ 36,178,681	$ 289,429,447	$ 434,144,171	$ 144,714,724
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	50%	$ 11,789,720	$ 31,439,252	$ 47,158,878	$ 15,719,626
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Real Estate	Quantity	3								
										$ 562,827,798	$ 609,730,115	$ 46,902,317

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	10%	4.40	$ 37,038,617	0%	$ 37,038,617	$ 148,154,466	$ 162,969,913	$ 14,815,447
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	10%	13.20	$ 24,119,121	0%	$ 24,119,121	$ 289,429,447	$ 318,372,392	$ 28,942,945
0	00003.0	ACCESS ROADS	4	Mile	10%	4.40	$ 7,859,813	0%	$ 7,859,813	$ 31,439,252	$ 34,583,177	$ 3,143,925
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	**Risk Scenario**	**Risk Score**					**Cost Estimate**		
		Environmental Constraints	Permits	3					**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
									$ 562,827,798	$ 586,278,956	$ 23,451,158

			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	5%	$ 38,890,547	$ 148,154,466	$ 155,562,189	$ 7,407,723
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	5%	$ 25,325,077	$ 289,429,447	$ 303,900,919	$ 14,471,472
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	5%	$ 8,252,804	$ 31,439,252	$ 33,011,215	$ 1,571,963
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Environmental Constraints	Mitigation	3						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 562,827,798	$ 586,278,956	$ 23,451,158

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	5%	$ 38,890,547	$ 148,154,466	$ 155,562,189	$ 7,407,723
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	5%	$ 25,325,077	$ 289,429,447	$ 303,900,919	$ 14,471,472
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	5%	$ 8,252,804	$ 31,439,252	$ 33,011,215	$ 1,571,963
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Material	3						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 562,827,798	$ 609,730,115	$ 46,902,317
				Quantity				Unit Price		Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	10%	$ 40,742,478	$ 148,154,466	$ 162,969,913	$ 14,815,447
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	10%	$ 26,531,033	$ 289,429,447	$ 318,372,392	$ 28,942,945
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	10%	$ 8,645,794	$ 31,439,252	$ 34,583,177	$ 3,143,925
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Labor	3						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 562,827,798	$ 586,278,956	$ 23,451,158

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	HIGHWAY 49 RELOCATION	4	Mile	0%	4	$ 37,038,617	5%	$ 38,890,547	$ 148,154,466	$ 155,562,189	$ 7,407,723
0	00002.0	PLACER EL DORADO RELOCATION	12	Mile	0%	12	$ 24,119,121	5%	$ 25,325,077	$ 289,429,447	$ 303,900,919	$ 14,471,472
0	00003.0	ACCESS ROADS	4	Mile	0%	4	$ 7,859,813	5%	$ 8,252,804	$ 31,439,252	$ 33,011,215	$ 1,571,963
	0	DESIGN CONTINGENCY								$ 93,804,633	$ 93,804,633	$ -

Risk Factor	Risk Scenario	Prob. Of Encountering Scale of 1 to 5	Overall Cost Impact Scale of 1 to 5	Risk Score Scale of 1 to 5
Hydrologic Uncertainty	Design		0	0
	Source		0	0
Seismic Uncertainty	Design		0	0
	Source		0	0
Borrow Sources	Quantity		0	0
	Quality		0	0
Quantities	Quantity		0	0
Real Estate	Cost		0	0
	Quantity		0	0
Environmental constraints	Permits		0	0
	Mitigation		0	0
Market Conditions	Material availability		0	0
	Labor availability		0	0

	Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
	Hydrologic Uncertainty	Design	0						Original Estimate	Revised Estimate	Change in Cost Estimate
									$ 39,129,748	$ 6,521,625	$ (32,608,124)

		Quantity				Unit Price			Cost Estimate		
Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
									0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Hydrologic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 39,129,748	$ 6,521,625	$ (32,608,124)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**								**Cost Estimate**		
		Seismic Uncertainty	Design	0								**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
												$ 39,129,748	$ 6,521,625	$ (32,608,124)
			Quantity				**Unit Price**			**Cost Estimate**				
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**		
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)		
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)		
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)		
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)		
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -		
										0	0	0		

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Seismic Uncertainty	Source	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 39,129,748	$ 6,521,625	$ (32,608,124)
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Borrow Sources	Quantity	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 39,129,748	$ 6,521,625	$ (32,608,124)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Borrow Sources	Quality	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 39,129,748	$ 6,521,625	$ (32,608,124)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score								Cost Estimate	
		Quantities	Quantities	0							Original Estimate	Revised Estimate	Change in Cost Estimate
											$ 39,129,748	$ 6,521,625	$ (32,608,124)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**							**Cost Estimate**	
		Real Estate	Cost	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 39,129,748	$ 6,521,625	$ (32,608,124)
				Quantity				**Unit Price**			**Cost Estimate**	
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Real Estate	Quantity	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 39,129,748	$ 6,521,625	$ (32,608,124)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Environmental Constraints	Permits	0								
										$ 39,129,748	$ 6,521,625	$ (32,608,124)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Environmental Constraints	Mitigation	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 39,129,748	$ 6,521,625	$ (32,608,124)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Market Conditions	Material	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 39,129,748	$ 6,521,625	$ (32,608,124)
			Quantity				**Unit Price**			**Cost Estimate**		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Labor	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 39,129,748	$ 6,521,625	$ (32,608,124)

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00002.0	SITE CONSTRUCTION	1	LS	-100%		$ 12,715,769	-100%		$ 12,715,769	0	$ (12,715,769)
0	00003.0	CONCRETE	1	LS	-100%		$ 15,477,850	-100%		$ 15,477,850	0	$ (15,477,850)
0	00004.0	MASONRY	1	LS	-100%		$ 2,013,650	-100%		$ 2,013,650	0	$ (2,013,650)
0	00016.0	ELECTRICAL	1	LS	-100%		$ 2,400,855	-100%		$ 2,400,855	0	$ (2,400,855)
0	0000.0	DESIGN CONTINGENCY	0.2	%	-100%					$ 6,521,625	6521624.7	$ -
										0	0	0

Risk Factor	Risk Scenario	Prob. Of Encountering Scale of 1 to 5	Overall Cost Impact Scale of 1 to 5	Risk Score Scale of 1 to 5
Hydrologic Uncertainty	Design	0	0	0
	Source	0	0	0
Seismic Uncertainty	Design	0	0	0
	Source	0	0	0
Borrow Sources	Quantity	0	0	0
	Quality	0	0	0
Quantities	Quantity	0	0	0
Real Estate	Cost	5	5	5
	Quantity	4	5	4
Environmental constraints	Permits	0	0	0
	Mitigation	0	0	0
Market Conditions	Material availability	0	0	0
	Labor availability	0	0	0

	Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
	Hydrologic Uncertainty	**Design**	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
									$ 1,480,063,800	$ 1,480,063,800.00	$ -

									Cost Estimate		
Specification	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
									0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Hydrologic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

										Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Seismic Uncertainty	Design	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

										Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Seismic Uncertainty	Source	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

										Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Borrow Sources	Quantity	0								
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Cost Estimate: Original Estimate	Cost Estimate: Revised Estimate	Cost Estimate: Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Borrow Sources	Quality	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Cost Estimate: Original Estimate	Cost Estimate: Revised Estimate	Cost Estimate: Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Quantities	Quantities	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

										Cost Estimate		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Real Estate	Cost	5						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 1,480,063,800.00	$ 1,603,402,450.00	$ 123,338,650.00

										Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	10%	$ 58,479.53	$ 1,233,386,500	$ 1,356,725,150	$ 123,338,650
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

Large quantity of lands necessary for mitigation. Limited availability of land either from the Government or the private sector. Competition for avaiable land will cause market forces to drive up the per acre cost.

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Real Estate	Quantity	5						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 1,480,063,800.00	$ 1,788,410,425.00	$ 308,346,625.00
										Cost Estimate		
ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	25%	29,000.00	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,541,733,125	$ 308,346,625
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

Incomplete knowledge of the impact to the environment at this design phase. Mitigation area requirements have the potential to change with the acquisition of additional knowledge of potential project impacts.

21%

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Environmental Constraints	Permits	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

										Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Environmental Constraints	Mitigation	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Cost Estimate: Original Estimate	Cost Estimate: Revised Estimate	Cost Estimate: Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Market Conditions	Material	0						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

										Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

		Risk Factor	**Risk Scenario**	**Risk Score**						**Cost Estimate**		
		Market Conditions	Labor	0						**Original Estimate**	**Revised Estimate**	**Change in Cost Estimate**
										$ 1,480,063,800.00	$ 1,480,063,800.00	$ -

ID	**Specification**	**Line Description**	**Original Estimate**	**Units**	**%Change under Risk Scenario**	**Revised Estimate**	**Original Estimate**	**%Change under Risk Scenario**	**Revised Estimate**	**Cost Estimate** Original Estimate	**Cost Estimate** Revised Estimate	**Cost Estimate** Change in Cost Estimate
0	02900.0	PLANTINGS (MITIGATION ACRES)	23,200	AC	0%	23,200	$ 53,163.21	0%	$ 53,163.21	$ 1,233,386,500	$ 1,233,386,500	$ -
0	0000.0	DESIGN CONTINGENCY	0.2	%			$ -			$ 246,677,300	$ 246,677,300	$ -
										0	0	0

Contents			Prob. Of Encountering	Overall Cost Impact	Risk Score
Feature	**Risk Factor**	**Risk Scenario**	Scale of 1 to 5	Scale of 1 to 5	Scale of 1 to 5
Dam	Inflation	Low	4	5	4
Dam		High	2	5	2
Environmental Mitigation	Inflation	Low	4	4	3.2
Environmental Mitigation		High	2	5	2

	Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
	Inflation	Low	5						Original Estimate	Revised Estimate	Change in Cost Estimate
									$ 4,519,671,931	$ 4,790,852,247	$ 271,180,316

		Quantity				Unit Price			Cost Estimate		
Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
00001.0	Project General Requirements	527,517,793	1	0%	527,517,793	$ 1.00	6%	$ 1.06	$ 527,517,793	$ 559,168,860	$ 31,651,068
00002.0	Site Preparation	94,989,257	1	0%	94989257.1	$ 1.00	6%	$ 1.06	$ 94,989,257	$ 100,688,613	$ 5,699,355
00003.0	Concrete Curved-Gravity Dam	2,510,418,058	1	0%	2510418058	$ 1.00	6%	$ 1.06	$ 2,510,418,058	$ 2,661,043,141	$ 150,625,083
00004.0	Hydro Electric Power Plant	693,548,311	1	0%	693548311	$ 1.00	6%	$ 1.06	$ 693,548,311	$ 735,161,210	$ 41,612,899
00005.0	Electric Power Transmission, Switchyards and Substations	91,240,966	1	0%	91240965.96	$ 1.00	6%	$ 1.06	$ 91,240,966	$ 96,715,424	$ 5,474,458
00006.0	Highway and Road Relocation	562,827,798	1	0%	562827798	$ 1.00	6%	$ 1.06	$ 562,827,798	$ 596,597,466	$ 33,769,668
00007.0	Public Access and Recreation Facilities	39,129,748.2	1	0%	39129748.2	$ 1.00	6%	$ 1.06	$ 39,129,748	$ 41,477,533	$ 2,347,785
									0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
		Inflation	**High**	5						Original Estimate	Revised Estimate	Change in Cost Estimate
										$ 4,519,671,931	$ 4,971,639,124	$ 451,967,193

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00001.0	Project General Requirements	527,517,793	1	0%	527,517,793	$ 1.00	10%	$ 1.10	$ 527,517,793	$ 580,269,572	$ 52,751,779
0	00002.0	Site Preparation	94,989,257	1	0%	94989257.1	$ 1.00	10%	$ 1.10	$ 94,989,257	$ 104,488,183	$ 9,498,926
0	00003.0	Concrete Curved-Gravity Dam	###########	1	0%	2510418058	$ 1.00	10%	$ 1.10	$ 2,510,418,058	$ 2,761,459,864	$ 251,041,806
0	00004.0	Hydro Electric Power Plant	693,548,311	1	0%	693548311	$ 1.00	10%	$ 1.10	$ 693,548,311	$ 762,903,142	$ 69,354,831
0	00005.0	Electric Power Transmission, Switchyards and Substations	91,240,966	1	0%	91240965.96	$ 1.00	10%	$ 1.10	$ 91,240,966	$ 100,365,063	$ 9,124,097
0	00006.0	Highway and Road Relocation	562,827,798	1	0%	562827798	$ 1.00	10%	$ 1.10	$ 562,827,798	$ 619,110,578	$ 56,282,780
0	00007.0	Public Access and Recreation Facilities	39,129,748	1	0%	39129748.2	$ 1.00	10%	$ 1.10	$ 39,129,748	$ 43,042,723	$ 3,912,975
										0	0	0

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Inlfation	Low	4								
										$ 1,480,063,800	$ 1,568,867,628	$ 88,803,828

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00008.0	Environmental Mitigation	###########	1	0%	###########	$ 1.00	6%	$ 1.06	$ 1,480,063,800	$ 1,568,867,628	$ 88,803,828

		Risk Factor	Risk Scenario	Risk Score						Cost Estimate		
										Original Estimate	Revised Estimate	Change in Cost Estimate
		Inflation	High	5								
										$ 1,480,063,800	$ 1,628,070,180	$ 148,006,380

			Quantity				Unit Price			Cost Estimate		
ID	Specification	Line Description	Original Estimate	Units	%Change under Risk Scenario	Revised Estimate	Original Estimate	%Change under Risk Scenario	Revised Estimate	Original Estimate	Revised Estimate	Change in Cost Estimate
0	00008.0	Environmental Mitigation	###########	1	0%	###########	$ 1.00	10%	$ 1.10	$ 1,480,063,800	$ 1,628,070,180	$ 148,006,380