

APPENDIX 6  
ATTACHMENT 1  
ENGINEERING SUMMARY  
COST ESTIMATE

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Tue 31 Jul 2007

U.S. Army Corps of Engineers

TIME 14:43:39

Eff. Date 10/01/06

PROJECT SPYAZO: YAZOO BACKWATER PUMP SELECTED PL - 01AUGUST 2007

YAZOO BACKWATER REFORMULATION SELECTED PLAN

TITLE PAGE 1

YAZOO BACKWATER PUMP SELECTED PL

01AUGUST 2007

FINAL ARRAY OF ALTERNATIVES

14,000 CFS, AND NONSTRUCTURAL

FLOOD DAMAGE REDUCTION MEASURES

Designed By: USAED, VICKSBURG

Estimated By: COST ENGINEERING BRANCH

Prepared By: PHILLIP G. HEGWOOD

Preparation Date: 10/01/06

Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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Release 5.31

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PROJECT SPYAZO: YAZOO BACKWATER PUMP SELECTED PL - 01AUGUST 2007

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YAZOO BACKWATER REFORMULATION SELECTED PLAN

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No Detailed Estimate...

No Backup Reports...

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BASIS OF THE GOVERNMENT ESTIMATE

General:

Work performed on this pumping plant will accomplished as one item. Work involved will consist of furnishing all plant, labor, materials and equipment to construct the principal features to include: mobilization and demobilization, clearing and grubbing, channel excavation, degrading cofferdam, construction of pumping station, turfing, etc.

Operating Shifts:

Construction operations will be prosecuted in one 10-hour shift per day, six days per week.

Labor:

No difficulty is anticipated in obtaining the required crafts and laborers. It is assumed that the contractor will employ skilled personnel to operate the equipment.

The wage rates used in the estimate reflect current rates observed in other work. Overtime is computed at the rate of 16.67% of straight time based on the time worked in excess of 40 hours per week.

Employer's liability, general liability, public liability, automotive liability, property damage, and workmen's compensation insurance and social security taxes are added to labor costs for all operations.

Equipment:

Equipment rates are based on the U. S. Army Corps of Engineers' pamphlet "Construction Equipment Ownership and Operating Expense Schedule" (EP 1110-1-8) for Region III.

Materials:

The costs of materials and supplies are based on recent jobs using the same materials which were obtained from various distributors and current catalogs on file in Cost Engineering Branch, or from the Unit Price Book. Major cost items such as the pumps and motors and other mechanical items were based on bid results from other Districts for similar items.

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#### REASONS FOR CONTINGENCIES

##### Feature 01 - Lands and Damages

Contingencies for the 01 feature were provided by Real Estate Division and are at 25%

- Feature 02 - Relocations (shown at lowest levels)
- Feature 09 - Channels and Canals (shown at lowest levels)
- Feature 11 - Levees and Floodwalls (shown at lowest levels)
- Feature 13 - Pumping Plant (shown at owner level)
- Feature 19 - Buildings, Grounds and Utilities (shown at owner level)
- Feature 20 - Permanent Operating Equipment (shown at owner level)

Contingencies for all items vary from 15% TO 20% primarily for probable variation with respect to quantities, and potential design changes during the P & S phase of the project. Unit costs and the method of construction are not expected to vary greatly.

##### Feature 30 - Planning, Engineering and Design

Contingencies for this item are projected to be 25% and were provided by Project Management.

##### Feature 31 - Construction Management

Contingencies for this item will be 25%, and were provided by Project Management.

#### ESCALATION

The costs were escalated based on the current schedule. The escalation factors were provided by the Project Manager, and is considered fully funded.

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SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGEN	ESCALATION	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	28,142,107	175,305,269
02 Non-Struc Flood Damage Reduction		59,399,000	13,531,780	3,710,767	76,641,547
TOTAL YAZOO BACKWATER PUMP SELECTED PL	1.00 EA	181,738,305	38,355,637	31,852,873	251,946,816

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PROJECT SPYAZO: YAZOO BACKWATER PUMP SELECTED PL - 01AUGUST 2007

YAZOO BACKWATER REFORMULATION SELECTED PLAN

SUMMARY PAGE 2

\*\* PROJECT OWNER SUMMARY - Feature \*\*

	QUANTY UOM	CONTRACT COST	CONTINGN	ESCALATN	TOTAL COST	
01 Yazoo Backwater Pumps 14,000 CFS						
01.01	Lands and Damages	120,800	30,200	19,430	170,430	
01.02	Relocations	3,216,500	321,650	697,016	4,235,166	
01.09	Channels and Canals	4,351,620	652,743	985,859	5,990,222	
01.11	Levees and Floodwalls	993,169	148,975	225,003	1,367,147	
01.13	Pumping Plant	89,725,971	17,840,225	21,190,540	128,756,736	
01.19	Buildings, Grounds, & Utilities	1,433,116	286,623	338,789	2,058,528	
01.20	Permanent Operating Equipment	1,158,447	208,520	269,292	1,636,259	
01.30	Planning, Engineering and Design	15,574,253	3,893,563	2,517,189	21,985,005	
01.31	Construction Management	5,765,430	1,441,358	1,898,989	9,105,776	
TOTAL Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	28,142,107	175,305,269	
02 Non-Struc Flood Damage Reduction						
02.01	Lands and Damages	48,856,200	12,213,800	2,091,804	63,161,804	
02.06	Fish and Wildlife Facilities	8,784,800	878,480	1,327,735	10,991,015	
02.30	Planning, Engineering and Design	1,148,000	287,000	185,546	1,620,546	
02.31	Construction Management	610,000	152,500	105,683	868,183	
TOTAL Non-Struc Flood Damage Reduction		59,399,000	13,531,780	3,710,767	76,641,547	
TOTAL YAZOO BACKWATER PUMP SELECTED PL		1.00 EA	181,738,305	38,355,637	31,852,873	251,946,816

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YAZOO BACKWATER REFORMULATION SELECTED PLAN

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\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	ESCALATN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS					
01.01 Lands and Damages					
01.01.01 Project Planning		21,000	5,250	5,313	31,563
01.01.02 Acquisitions		25,000	6,250	6,325	37,575
01.01.05 Appraisals		20,000	5,000	5,060	30,060
01.01.06 PL 91-646 Assistance		800	200	202	1,202
01.01.13 Project Administration		9,000	2,250	2,277	13,527
01.01.18 Real Estate Payments		45,000	11,250	253	56,503
TOTAL Lands and Damages		120,800	30,200	19,430	170,430
01.02 Relocations					
01.02.01 Bridge Replacement		3,216,500	321,650	697,016	4,235,166
TOTAL Relocations		3,216,500	321,650	697,016	4,235,166
01.09 Channels and Canals					
01.09.01 Channels		4,351,620	652,743	985,859	5,990,222
TOTAL Channels and Canals		4,351,620	652,743	985,859	5,990,222
01.11 Levees and Floodwalls					
01.11.01 Levees		664,915	99,737	150,637	915,289
01.11.02 Floodwalls		328,254	49,238	74,366	451,858
TOTAL Levees and Floodwalls		993,169	148,975	225,003	1,367,147
01.13 Pumping Plant					
01.13.00 Pumping Plant		89,725,971	17,840,225	21,190,540	128,756,736
TOTAL Pumping Plant		89,725,971	17,840,225	21,190,540	128,756,736
01.19 Buildings, Grounds, & Utilities					
01.19.00 Buildings, Grounds, & Utilities		1,433,116	286,623	338,789	2,058,528
TOTAL Buildings, Grounds, & Utilities		1,433,116	286,623	338,789	2,058,528



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\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

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	QUANTY UOM	CONTRACT COST	CONTINGN	ESCALATN	TOTAL COST
-----					
01.20 Permanent Operating Equipment					
01.20.00 Permanent Operating Equipment		1,158,447	208,520	269,292	1,636,259
-----					
TOTAL Permanent Operating Equipment		1,158,447	208,520	269,292	1,636,259
-----					
01.30 Planning, Engineering and Design					
01.30.04 Constructn Contracts(s) Documnts		13,655,058	3,413,765	2,206,999	19,275,821
01.30.05 Programs & Project Managmt Dcmnt		1,919,195	479,799	310,190	2,709,184
-----					
TOTAL Planning, Engineering and Design		15,574,253	3,893,563	2,517,189	21,985,005
-----					
01.31 Construction Management					
01.31.23 Construction Contracts		5,765,430	1,441,358	1,898,989	9,105,776
-----					
TOTAL Construction Management		5,765,430	1,441,358	1,898,989	9,105,776
-----					
TOTAL Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	28,142,107	175,305,269
-----					
02 Non-Struc Flood Damage Reduction					
02.01 Lands and Damages					
02.01.01 Project Planning		39,000	9,500	9,816	58,316
02.01.02 Acquisitions		3,386,000	846,500	856,658	5,089,158
02.01.05 Appraisals		1,701,000	425,250	430,353	2,556,603
02.01.06 PL 91-646 Assistance		243,000	60,750	61,479	365,229
02.01.13 Project Administration		727,000	181,750	183,931	1,092,681
02.01.18 Real Estate Payments		42,760,200	10,690,050	549,567	53,999,817
-----					
TOTAL Lands and Damages		48,856,200	12,213,800	2,091,804	63,161,804
-----					
02.06 Fish and Wildlife Facilities					
02.06.03 Wildlife Facilities & Sanctuary		8,784,800	878,480	1,327,735	10,991,015
-----					
TOTAL Fish and Wildlife Facilities		8,784,800	878,480	1,327,735	10,991,015
-----					
02.30 Planning, Engineering and Design					
02.30.23 Constructn Contracts(s) Documnts		1,148,000	287,000	185,546	1,620,546
-----					
TOTAL Planning, Engineering and Design		1,148,000	287,000	185,546	1,620,546
-----					

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\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	ESCALATN	TOTAL COST
-----					
02.31 Construction Management					
02.31.23 Construction Contracts		610,000	152,500	105,683	868,183
		-----	-----	-----	-----
TOTAL Construction Management		610,000	152,500	105,683	868,183
		-----	-----	-----	-----
TOTAL Non-Struc Flood Damage Reduction		59,399,000	13,531,780	3,710,767	76,641,547
		-----	-----	-----	-----
TOTAL YAZOO BACKWATER PUMP SELECTED PL 1.00 EA		181,738,305	38,355,637	31,852,873	251,946,816

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\*\* PROJECT INDIRECT SUMMARY - Contract \*\*

	QUANTY UOM	TOTAL DIRECT	FIELD OH	HOME OH	BOND	PROFIT	CONT TAX	TOTAL COST
01	Yazoo Backwater Pumps 14,00	99,573,148	7,489,617	4,119,289	865,051	6,989,610	3,302,591	122,339,305
02	Non-Struc Flood Damage Redu	59,399,000	0	0	0	0	0	59,399,000
	YAZOO BACKWATER PUMP SELECT 1.00 EA	158,972,148	7,489,617	4,119,289	865,051	6,989,610	3,302,591	181,738,305
	Contingencies							38,355,637
	SUBTOTAL							220,093,942
	Escalation							31,852,873
	TOTAL INCL OWNER COSTS							251,946,816

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## \*\* PROJECT INDIRECT SUMMARY - Feature \*\*

	QUANTITY	UOM	TOTAL DIRECT	FIELD OH	HOME OH	BOND	PROFIT	CONT TAX	TOTAL COST
<hr/>									
01	Yazoo Backwater Pumps 14,00								
01.01	Lands and Damages		120,800	0	0	0	0	0	120,800
01.02	Relocations		3,216,500	0	0	0	0	0	3,216,500
01.09	Channels and Canals		3,337,209	333,721	183,547	38,545	311,442	147,156	4,351,620
01.11	Levees and Floodwalls		761,651	76,165	41,891	8,797	71,080	33,585	993,169
01.13	Pumping Plant		68,809,864	6,880,986	3,784,543	794,754	6,421,612	3,034,212	89,725,971
01.19	Buildings, Grounds, & Ut		1,099,041	109,904	60,447	12,694	102,567	48,463	1,433,116
01.20	Permanent Operating Equi		888,400	88,840	48,862	10,261	82,909	39,175	1,158,447
01.30	Planning, Engineering an		15,574,253	0	0	0	0	0	15,574,253
01.31	Construction Management		5,765,430	0	0	0	0	0	5,765,430
TOTAL Yazoo Backwater Pumps 14			99,573,148	7,489,617	4,119,289	865,051	6,989,610	3,302,591	122,339,305
<hr/>									
02	Non-Struc Flood Damage Redu								
02.01	Lands and Damages		48,856,200	0	0	0	0	0	48,856,200
02.06	Fish and Wildlife Facili		8,784,800	0	0	0	0	0	8,784,800
02.30	Planning, Engineering an		1,148,000	0	0	0	0	0	1,148,000
02.31	Construction Management		610,000	0	0	0	0	0	610,000
TOTAL Non-Struc Flood Damage R			59,399,000	0	0	0	0	0	59,399,000
<hr/>									
TOTAL YAZOO BACKWATER PUMP SEL	1.00	EA	158,972,148	7,489,617	4,119,289	865,051	6,989,610	3,302,591	181,738,305
<hr/>									
Contingencies									38,355,637
SUBTOTAL									220,093,942
Escalation									31,852,873
TOTAL INCL OWNER COSTS									251,946,816

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YAZOO BACKWATER REFORMULATION SELECTED PLAN

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\*\* PROJECT INDIRECT SUMMARY - Sub-Feat \*\*

	QUANTITY	UOM	TOTAL DIRECT	FIELD OH	HOME OH	BOND	PROFIT	CONT TAX	TOTAL COST
-----									
01 Yazoo Backwater Pumps 14,00									
01.01 Lands and Damages									
01.01.01 Project Planning			21,000	0	0	0	0	0	21,000
01.01.02 Acquisitions			25,000	0	0	0	0	0	25,000
01.01.05 Appraisals			20,000	0	0	0	0	0	20,000
01.01.06 PL 91-646 Assistance			800	0	0	0	0	0	800
01.01.13 Project Administratio			9,000	0	0	0	0	0	9,000
01.01.18 Real Estate Payments			45,000	0	0	0	0	0	45,000
-----									
TOTAL Lands and Damages			120,800	0	0	0	0	0	120,800
01.02 Relocations									
01.02.01 Bridge Replacement			3,216,500	0	0	0	0	0	3,216,500
-----									
TOTAL Relocations			3,216,500	0	0	0	0	0	3,216,500
01.09 Channels and Canals									
01.09.01 Channels			3,337,209	333,721	183,547	38,545	311,442	147,156	4,351,620
-----									
TOTAL Channels and Canals			3,337,209	333,721	183,547	38,545	311,442	147,156	4,351,620
01.11 Levees and Floodwalls									
01.11.01 Levees			509,916	50,992	28,045	5,890	47,587	22,485	664,915
01.11.02 Floodwalls			251,734	25,173	13,845	2,908	23,493	11,100	328,254
-----									
TOTAL Levees and Floodwalls			761,651	76,165	41,891	8,797	71,080	33,585	993,169
01.13 Pumping Plant									
01.13.00 Pumping Plant			68,809,864	6,880,986	3,784,543	794,754	6,421,612	3,034,212	89,725,971
-----									
TOTAL Pumping Plant			68,809,864	6,880,986	3,784,543	794,754	6,421,612	3,034,212	89,725,971
01.19 Buildings, Grounds, & Ut									
01.19.00 Buildings, Grounds, &			1,099,041	109,904	60,447	12,694	102,567	48,463	1,433,116
-----									
TOTAL Buildings, Grounds, &			1,099,041	109,904	60,447	12,694	102,567	48,463	1,433,116

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\*\* PROJECT INDIRECT SUMMARY - Sub-Feat \*\*

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	QUANTY UOM	TOTAL DIRECT	FIELD OH	HOME OH	BOND	PROFIT	CONT TAX	TOTAL COST
-----								
01.20 Permanent Operating Equi								
01.20.00 Permanent Operating E		888,400	88,840	48,862	10,261	82,909	39,175	1,158,447
-----								
TOTAL Permanent Operating E		888,400	88,840	48,862	10,261	82,909	39,175	1,158,447
-----								
01.30 Planning, Engineering an								
01.30.04 Constructn Contracts(		13,655,058	0	0	0	0	0	13,655,058
01.30.05 Programs & Project Ma		1,919,195	0	0	0	0	0	1,919,195
-----								
TOTAL Planning, Engineering		15,574,253	0	0	0	0	0	15,574,253
-----								
01.31 Construction Management								
01.31.23 Construction Contract		5,765,430	0	0	0	0	0	5,765,430
-----								
TOTAL Construction Manageme		5,765,430	0	0	0	0	0	5,765,430
-----								
TOTAL Yazoo Backwater Pumps		99,573,148	7,489,617	4,119,289	865,051	6,989,610	3,302,591	122,339,305
-----								
02 Non-Struc Flood Damage Redu								
02.01 Lands and Damages								
02.01.01 Project Planning		39,000	0	0	0	0	0	39,000
02.01.02 Acquisitions		3,386,000	0	0	0	0	0	3,386,000
02.01.05 Appraisals		1,701,000	0	0	0	0	0	1,701,000
02.01.06 PL 91-646 Assistance		243,000	0	0	0	0	0	243,000
02.01.13 Project Administratio		727,000	0	0	0	0	0	727,000
02.01.18 Real Estate Payments		42,760,200	0	0	0	0	0	42,760,200
-----								
TOTAL Lands and Damages		48,856,200	0	0	0	0	0	48,856,200
-----								
02.06 Fish and Wildlife Facili								
02.06.03 Wildlife Facilities &		8,784,800	0	0	0	0	0	8,784,800
-----								
TOTAL Fish and Wildlife Fac		8,784,800	0	0	0	0	0	8,784,800
-----								
02.30 Planning, Engineering an								
02.30.23 Constructn Contracts(		1,148,000	0	0	0	0	0	1,148,000
-----								
TOTAL Planning, Engineering		1,148,000	0	0	0	0	0	1,148,000
-----								

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PROJECT SPYAZO: YAZOO BACKWATER PUMP SELECTED PL - 01AUGUST 2007

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YAZOO BACKWATER REFORMULATION SELECTED PLAN

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\*\* PROJECT INDIRECT SUMMARY - Sub-Feat \*\*

QUANTITY	UOM	TOTAL DIRECT	FIELD OH	HOME OH	BOND	PROFIT	CONT TAX	TOTAL COST
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02.31 Construction Management

02.31.23	Construction Contract	610,000	0	0	0	0	0	610,000
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TOTAL Construction Managem	610,000	0	0	0	0	0	610,000
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TOTAL Non-Struc Flood Damag	59,399,000	0	0	0	0	0	59,399,000
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TOTAL YAZOO BACKWATER PUMP	1.00 EA	158,972,148	7,489,617	4,119,289	865,051	6,989,610	3,302,591	181,738,305
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Contingencies	38,355,637
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SUBTOTAL	-----
Escalation	220,093,942

Escalation	220,093,942
	31,852,873

TOTAL INCL OWNER COSTS	251,946,816
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U.S. Army Corps of Engineers  
PROJECT SPYAZO: YAZOO BACKWATER PUMP SELECTED PL - 01AUGUST 2007  
YAZOO BACKWATER REFORMULATION SELECTED PLAN  
\*\* PROJECT DIRECT SUMMARY - Contract \*\*

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	QUANTITY	UOM	EQUIPMN	LABOR	MATERIAL	OTHER	TOTAL COST
<hr/>							
01 Yazoo Backwater Pumps 14,000 CFS							
01.01				0	0	0	120,800
01.02				1108250	1,108,250	1,000,000	0
01.09				2425241	886,968	25,000	0
01.11				369,741	247,530	144,380	0
01.13				6089720	16078943	46641202	0
01.19				7,883	34,922	1,056,236	0
01.20				888,400	0	0	0
01.30				0	14081253	0	1,493,000
01.31				0	5,765,430	0	0
TOTAL Yazoo Backwater Pumps 14,000 CFS				10889235	38203296	48866818	1,613,800
							99,573,148
<hr/>							
02 Non-Struc Flood Damage Reduction							
02.01				0	0	0	48856200
02.06				0	0	0	8,784,800
02.30				0	0	0	1,148,000
02.31				0	0	0	610,000
TOTAL Non-Struc Flood Damage Reduction				0	0	0	59399000
							59,399,000
<hr/>							
TOTAL YAZOO BACKWATER PUMP SELECTED PL				1.00 EA	10889235	38203296	48866818
							61012800
							158,972,148
<hr/>							
Prime's Field Office Expense							7,489,617
SUBTOTAL							166,461,765
Prime's Home Office Expense							4,119,289
SUBTOTAL							170,581,054
Prime Contractor's Bond							865,051
SUBTOTAL							171,446,105
Total Profit							6,989,610
SUBTOTAL							178,435,715
Mississippi Cont. Tax (3.5%)							3,302,591
TOTAL INCL INDIRECTS							181,738,305
Contingencies							38,355,637
SUBTOTAL							220,093,942
Escalation							31,852,873
TOTAL INCL OWNER COSTS							251,946,816

Tue 31 Jul 2007  
Eff. Date 10/01/06

U.S. Army Corps of Engineers  
PROJECT SPYAZO: YAZOO BACKWATER PUMP SELECTED PL - 01AUGUST 2007  
YAZOO BACKWATER REFORMULATION SELECTED PLAN  
\*\* PROJECT DIRECT SUMMARY - Sub-Feat \*\*

TIME 14:43:39  
SUMMARY PAGE 13

	QUANTITY	UOM	EQUIPMN	LABOR	MATERIAL	OTHER	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS							
01.01 Lands and Damages							
01.01.01 Project Planning	0			0	0	21,000	21,000
01.01.02 Acquisitions	0			0	0	25,000	25,000
01.01.05 Appraisals	0			0	0	20,000	20,000
01.01.06 PL 91-646 Assistance	0			0	0	800	800
01.01.13 Project Administration	0			0	0	9,000	9,000
01.01.18 Real Estate Payments	0			0	0	45,000	45,000
TOTAL Lands and Damages	0			0	0	120,800	120,800
01.02 Relocations							
01.02.01 Bridge Replacement	1108250			1,108,250	1,000,000	0	3,216,500
TOTAL Relocations	1108250			1,108,250	1,000,000	0	3,216,500
01.09 Channels and Canals							
01.09.01 Channels	2425241			886,968	25,000	0	3,337,209
TOTAL Channels and Canals	2425241			886,968	25,000	0	3,337,209
01.11 Levees and Floodwalls							
01.11.01 Levees	346,209			163,707	0	0	509,916
01.11.02 Floodwalls	23,532			83,822	144,380	0	251,734
TOTAL Levees and Floodwalls	369,741			247,530	144,380	0	761,651
01.13 Pumping Plant							
01.13.00 Pumping Plant	6089720			16078943	46641202	0	68,809,864
TOTAL Pumping Plant	6089720			16078943	46641202	0	68,809,864
01.19 Buildings, Grounds, & Utilities							
01.19.00 Buildings, Grounds, & Utilities	7,883			34,922	1,056,236	0	1,099,041
TOTAL Buildings, Grounds, & Utilities	7,883			34,922	1,056,236	0	1,099,041

Tue 31 Jul 2007  
Eff. Date 10/01/06

U.S. Army Corps of Engineers  
PROJECT SPYAZO: YAZOO BACKWATER PUMP SELECTED PL - 01AUGUST 2007  
YAZOO BACKWATER REFORMULATION SELECTED PLAN  
\*\* PROJECT DIRECT SUMMARY - Sub-Feat \*\*

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SUMMARY PAGE 14

	QUANTITY	UOM	EQUIPMN	LABOR	MATERIAL	OTHER	TOTAL COST
01.20 Permanent Operating Equipment							
01.20.00 Permanent Operating Equipment	888,400			0	0	0	888,400
TOTAL Permanent Operating Equipment	888,400			0	0	0	888,400
01.30 Planning, Engineering and Design							
01.30.04 Constructn Contracts(s) Documnts	0	12162058		0	1,493,000		13,655,058
01.30.05 Programs & Project Managmt Dcmnt	0	1,919,195		0	0		1,919,195
TOTAL Planning, Engineering and Design	0	14081253		0	1,493,000		15,574,253
01.31 Construction Management							
01.31.23 Construction Contracts	0	5,765,430		0	0		5,765,430
TOTAL Construction Management	0	5,765,430		0	0		5,765,430
TOTAL Yazoo Backwater Pumps 14,000 CFS	10889235	38203296		48866818	1,613,800		99,573,148
02 Non-Struc Flood Damage Reduction							
02.01 Lands and Damages							
02.01.01 Project Planning	0	0		0	39,000		39,000
02.01.02 Acquisitions	0	0		0	3,386,000		3,386,000
02.01.05 Appraisals	0	0		0	1,701,000		1,701,000
02.01.06 PL 91-646 Assistance	0	0		0	243,000		243,000
02.01.13 Project Administration	0	0		0	727,000		727,000
02.01.18 Real Estate Payments	0	0		0	42760200		42,760,200
TOTAL Lands and Damages	0	0		0	48856200		48,856,200
02.06 Fish and Wildlife Facilities							
02.06.03 Wildlife Facilities & Sanctuary	0	0		0	8,784,800		8,784,800
TOTAL Fish and Wildlife Facilities	0	0		0	8,784,800		8,784,800
02.30 Planning, Engineering and Design							
02.30.23 Constructn Contracts(s) Documnts	0	0		0	1,148,000		1,148,000
TOTAL Planning, Engineering and Design	0	0		0	1,148,000		1,148,000



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PROJECT 02YAZO: YAZOO BACKWATER PUMP PLAN #2 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2 (F)

TITLE PAGE 1

YAZOO BACKWATER PUMP PLAN #2 (F)

01 AUGUST 2007

FINAL ARRAY OF ALTERNATIVES

NONSTRUCTURAL FLOOD DAMAGE

REDUCTION MEASURES

Designed By: USAED, VICKSBURG

Estimated By: COST ENGINEERING BRANCH

Prepared By: PHILLIP G. HEGWOOD

Preparation Date: 10/01/06

Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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PROJECT 02YAZO: YAZOO BACKWATER PUMP PLAN #2 (F) - 01 AUGUST 2007

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PROJECT 02YAZO: YAZOO BACKWATER PUMP PLAN #2 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2 (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Non-Struc Flood Damage Reduction		346,794,200	83,750,020	430,544,220
TOTAL YAZOO BACKWATER PUMP PLAN #2 (F)	1.00 EA	346,794,200	83,750,020	430,544,220

Tue 31 Jul 2007

U.S. Army Corps of Engineers

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PROJECT 02YAZO: YAZOO BACKWATER PUMP PLAN #2 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2 (F)

SUMMARY PAGE 2

\*\* PROJECT OWNER SUMMARY - Feature \*\*

		QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST	
-----						
01 Non-Struc Flood Damage Reduction						
01.01	Lands and Damages		325,381,000	81,345,000	406,726,000	
01.06	Fish and Wildlife Facilities		19,655,200	1,965,520	21,620,720	
01.30	Planning, Engineering and Design		1,148,000	287,000	1,435,000	
01.31	Construction Management	1.00 EA	610,000	152,500	762,500	
			-----	-----	-----	
TOTAL Non-Struc Flood Damage Reduction			346,794,200	83,750,020	430,544,220	
			-----	-----	-----	
TOTAL YAZOO BACKWATER PUMP PLAN #2 (F)			1.00 EA	346,794,200	83,750,020	430,544,220



Tue 31 Jul 2007

U.S. Army Corps of Engineers

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PROJECT 02YAZO: YAZOO BACKWATER PUMP PLAN #2 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2 (F)

SUMMARY PAGE 3

\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Non-Struc Flood Damage Reduction					
01.01 Lands and Damages					
01.01.01			39,000	9,500	48,500
01.01.02			40,114,000	10,028,500	50,142,500
01.01.05			19,460,000	4,865,000	24,325,000
01.01.06			2,921,000	730,250	3,651,250
01.01.13	1.00	EA	8,638,000	2,159,500	10,797,500
01.01.18			254,209,000	63,552,250	317,761,250
TOTAL Lands and Damages			325,381,000	81,345,000	406,726,000
01.06 Fish and Wildlife Facilities					
01.06.03			19,655,200	1,965,520	21,620,720
TOTAL Fish and Wildlife Facilities			19,655,200	1,965,520	21,620,720
01.30 Planning, Engineering and Design					
01.30.23			1,148,000	287,000	1,435,000
TOTAL Planning, Engineering and Design			1,148,000	287,000	1,435,000
01.31 Construction Management					
01.31.23			610,000	152,500	762,500
TOTAL Construction Management			610,000	152,500	762,500
TOTAL Non-Struc Flood Damage Reduction			346,794,200	83,750,020	430,544,220
TOTAL YAZOO BACKWATER PUMP PLAN #2 (F)			346,794,200	83,750,020	430,544,220

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PROJECT 2AYAZO: YAZOO BACKWATER PUMP PLAN 2A (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2A (F)

TITLE PAGE 1

YAZOO BACKWATER PUMP PLAN 2A (F)

01 AUGUST 2007

Final Array, Alternative #2A

Nonstructural Flood Damage

Reduction Measures

Designed By: USAED, VICKSBURG

Estimated By: COST ENGINEERING BRANCH

Prepared By: Phillip G. Hegwood

Preparation Date: 10/01/06

Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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PROJECT 2AYAZO: YAZOO BACKWATER PUMP PLAN 2A (F) - 01 AUGUST 2007

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PROJECT 2AYAZO: YAZOO BACKWATER PUMP PLAN 2A (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2A (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
02 Nonstruct Flood Damage Reduction	1.00 EA	303,792,200	74,019,620	377,811,820
TOTAL YAZOO BACKWATER PUMP PLAN 2A (F)	1.00 EA	303,792,200	74,019,620	377,811,820

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U.S. Army Corps of Engineers  
PROJECT 2AYAZO: YAZOO BACKWATER PUMP PLAN 2A (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION STUDY 2A (F)  
\*\* PROJECT OWNER SUMMARY - Feature \*\*

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SUMMARY PAGE 2

		QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
02 Nonstruct Flood Damage Reduction					
02.01	Lands and Damages		289,173,000	72,294,000	361,467,000
02.06	Fish and Wildlife Facilities	1.00	12,861,200	1,286,120	14,147,320
02.30	Planning, Engineering and Design	1.00 EA	1,148,000	287,000	1,435,000
02.31	Construction Management	1.00 EA	610,000	152,500	762,500
-----					
TOTAL Nonstruct Flood Damage Reduction		1.00 EA	303,792,200	74,019,620	377,811,820
-----					
TOTAL YAZOO BACKWATER PUMP PLAN 2A (F)		1.00 EA	303,792,200	74,019,620	377,811,820

## \*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
02 Nonstruct Flood Damage Reduction					
02.01 Lands and Damages					
02.01.01	Project Planning	1.00 EA	39,000	10,500	49,500
02.01.02	Acquisition Costs	1.00 EA	21,847,000	5,461,750	27,308,750
02.01.05	Appraisals	1.00 EA	10,752,000	2,688,000	13,440,000
02.01.06	P.L. 91-646 Costs	1.00 EA	1,571,000	392,750	1,963,750
02.01.13	Project Related Administration	1.00 EA	4,651,000	1,162,750	5,813,750
02.01.18	Real Estate Payments	1.00 EA	250,313,000	62,578,250	312,891,250
TOTAL Lands and Damages			289,173,000	72,294,000	361,467,000
02.06 Fish and Wildlife Facilities					
02.06.03	Wildlife Facilities & Sanctuary		12,861,200	1,286,120	14,147,320
TOTAL Fish and Wildlife Facilities			12,861,200	1,286,120	14,147,320
02.30	Planning, Engineering and Design	1.00 EA	1,148,000	287,000	1,435,000
02.31	Construction Management	1.00 EA	610,000	152,500	762,500
TOTAL Nonstruct Flood Damage Reduction			303,792,200	74,019,620	377,811,820
TOTAL YAZOO BACKWATER PUMP PLAN 2A (F)			303,792,200	74,019,620	377,811,820

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PROJECT 2BYAZO: YAZOO BACKWATER PUMP PLAN 2B (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2B (F)

TITLE PAGE 1

YAZOO BACKWATER PUMP PLAN 2B (F)

01 AUGUST 2007

Final Array, Alternative #2B

Nonstructural Flood Damage

Reduction Measures

Designed By: USAED, VICKSBURG

Estimated By: COST ENGINEERING BRANCH

Prepared By: Phillip G. Hegwood

Preparation Date: 10/01/06

Effective Date of Pricing: 10/01/06

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PROJECT 2BYAZO: YAZOO BACKWATER PUMP PLAN 2B (F) - 01 AUGUST 2007

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PROJECT 2BYAZO: YAZOO BACKWATER PUMP PLAN 2B (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2B (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Project \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 YAZOO BACKWATER PUMP PLAN 2B	1.00	JB	349,375,708	67,370,304	416,746,012
TOTAL YAZOO BACKWATER PUMP PLAN 2B (F)	1.00	EA	349,375,708	67,370,304	416,746,012

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U.S. Army Corps of Engineers  
PROJECT 2BYAZO: YAZOO BACKWATER PUMP PLAN 2B (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION STUDY 2B (F)  
\*\* PROJECT OWNER SUMMARY - Feature \*\*

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SUMMARY PAGE 2

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01 YAZOO BACKWATER PUMP PLAN 2B					
01.01 LANDS AND DAMAGES	1.00	JB	123,028,225	30,756,775	153,785,000
01.06 Fish and Wildlife Facilities	1.00	JB	8,376,520	837,652	9,214,172
01.11 LEVEES AND FLOODWALLS	1.00	JB	165,984,529	22,779,269	188,763,797
01.30 PLANNING, ENGINEERING & DESIGN	1.00	JB	34,657,623	8,664,406	43,322,029
01.31 CONSTRUCTION MANAGEMENT	1.00	JB	17,328,811	4,332,203	21,661,014
-----					
TOTAL YAZOO BACKWATER PUMP PLAN 2B	1.00	JB	349,375,708	67,370,304	416,746,012
-----					
TOTAL YAZOO BACKWATER PUMP PLAN 2B (F)	1.00	EA	349,375,708	67,370,304	416,746,012

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PROJECT 2BYAZO: YAZOO BACKWATER PUMP PLAN 2B (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION STUDY 2B (F)  
\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

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SUMMARY PAGE 3

	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 YAZOO BACKWATER PUMP PLAN 2B				
01.01 LANDS AND DAMAGES				
01.01.01 Project Planning		39,000	9,469	48,469
01.01.02 Acquisitions		16,792,000	4,198,000	20,990,000
01.01.05 Appraisals		8,131,000	2,032,750	10,163,750
01.01.06 PL 91-646 Assistance		1,228,000	307,000	1,535,000
01.01.13 Project Related Administration	1.00 EA	3,637,000	909,250	4,546,250
01.01.18 Real Estate Payments		93,201,225	23,300,306	116,501,531
-----				
TOTAL LANDS AND DAMAGES	1.00 JB	123,028,225	30,756,775	153,785,000
01.06 Fish and Wildlife Facilities				
01.06.01 Reforestation	1.00 JB	7,051,520	705,152	7,756,672
01.06.02 Moist Soil Areas	265.00 EA	1,325,000	132,500	1,457,500
-----				
TOTAL Fish and Wildlife Facilities	1.00 JB	8,376,520	837,652	9,214,172
01.11 LEVEES AND FLOODWALLS				
01.11.01 MOBILIZATION AND DEMOBILIZATION	14.00 JB	682,505	68,251	750,756
01.11.02 CLEARING AND GRUBBING	12641.00 AC	19,085,356	1,908,536	20,993,891
01.11.03 LEVEE CONSTRUCTION	39849850 CY	94,053,359	9,405,336	103,458,695
01.11.04 STRUCTURES - TYPE A	68.00 EA	4,433,497	1,108,374	5,541,871
01.11.05 STRUCTURES - TYPE B	113.00 EA	22,102,285	5,525,571	27,627,856
01.11.06 STRUCTURES - TYPE C	45.00 EA	14,669,658	3,667,414	18,337,072
01.11.07 LEVEE CROSSINGS	851529.00 CY	2,847,179	284,718	3,131,897
01.11.08 WASTEWATER TREATMENT FACILITY	2488.00 EA	8,110,691	811,069	8,921,760
-----				
TOTAL LEVEES AND FLOODWALLS	1.00 JB	165,984,529	22,779,269	188,763,797
01.30 PLANNING, ENGINEERING & DESIGN	1.00 JB	34,657,623	8,664,406	43,322,029
01.31 CONSTRUCTION MANAGEMENT	1.00 JB	17,328,811	4,332,203	21,661,014
-----				
TOTAL YAZOO BACKWATER PUMP PLAN 2B	1.00 JB	349,375,708	67,370,304	416,746,012
-----				
TOTAL YAZOO BACKWATER PUMP PLAN 2B (F)	1.00 EA	349,375,708	67,370,304	416,746,012

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U.S. Army Corps of Engineers  
PROJECT 2CYAZO: YAZOO BACKWATER PUMP PLAN 2C (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION STUDY 2C (F)

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TITLE PAGE 1

YAZOO BACKWATER PUMP PLAN 2C (F)  
01 AUGUST 2007  
Final Array, Alternative #2C  
Nonstructural Flood Damage  
Reduction Measures

Designed By: USAED, VICKSBURG  
Estimated By: COST ENGINEERING BRANCH

Prepared By: Phillip G. Hegwood

Preparation Date: 10/01/06  
Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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PROJECT 2CYAZO: YAZOO BACKWATER PUMP PLAN 2C (F) - 01 AUGUST 2007

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PROJECT 2CYAZO: YAZOO BACKWATER PUMP PLAN 2C (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION STUDY 2C (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
02 Nonstruct Flood Damage Reduction	1.00 EA	386,252,000	93,853,220	480,105,220
TOTAL YAZOO BACKWATER PUMP PLAN 2C (F)	1.00 EA	386,252,000	93,853,220	480,105,220

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U.S. Army Corps of Engineers  
PROJECT 2CYAZO: YAZOO BACKWATER PUMP PLAN 2C (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION STUDY 2C (F)  
\*\* PROJECT OWNER SUMMARY - Feature \*\*

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SUMMARY PAGE 2

		QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
02 Nonstruct Flood Damage Reduction					
02.01	Lands and Damages		366,418,800	91,606,200	458,025,000
02.06	Fish and Wildlife Facilities	1.00	18,075,200	1,807,520	19,882,720
02.30	Planning, Engineering and Design	1.00 EA	1,148,000	287,000	1,435,000
02.31	Construction Management	1.00 EA	610,000	152,500	762,500
-----					
TOTAL	Nonstruct Flood Damage Reduction	1.00 EA	386,252,000	93,853,220	480,105,220
-----					
TOTAL	YAZOO BACKWATER PUMP PLAN 2C (F)	1.00 EA	386,252,000	93,853,220	480,105,220

Tue 31 Jul 2007  
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U.S. Army Corps of Engineers  
PROJECT 2CYAZO: YAZOO BACKWATER PUMP PLAN 2C (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION STUDY 2C (F)  
\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

TIME 14:41:59  
SUMMARY PAGE 3

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
02 Nonstruct Flood Damage Reduction					
02.01 Lands and Damages					
02.01.01	Project Planning	1.00 EA	39,000	11,250	50,250
02.01.02	Acquisition Costs	1.00 EA	32,697,000	8,174,250	40,871,250
02.01.05	Appraisals	1.00 EA	15,946,000	3,986,500	19,932,500
02.01.06	P.L. 91-646 Costs	1.00 EA	2,370,000	592,500	2,962,500
02.01.13	Project Related Administration	1.00 EA	7,010,000	1,752,500	8,762,500
02.01.18	Real Estate Payments	1.00 EA	308,356,800	77,089,200	385,446,000
TOTAL Lands and Damages			366,418,800	91,606,200	458,025,000
02.06 Fish and Wildlife Facilities					
02.06.03	Wildlife Facilities & Sanctuary		18,075,200	1,807,520	19,882,720
TOTAL Fish and Wildlife Facilities			18,075,200	1,807,520	19,882,720
02.30	Planning, Engineering and Design	1.00 EA	1,148,000	287,000	1,435,000
02.31	Construction Management	1.00 EA	610,000	152,500	762,500
TOTAL Nonstruct Flood Damage Reduction			386,252,000	93,853,220	480,105,220
TOTAL YAZOO BACKWATER PUMP PLAN 2C (F)			386,252,000	93,853,220	480,105,220



Tue 31 Jul 2007  
Eff. Date 10/01/06

U.S. Army Corps of Engineers  
PROJECT 03YAZO: YAZOO BACKWATER PUMP PLAN #3 (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION PUMP PLAN 3 (F)

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YAZOO BACKWATER PUMP PLAN #3 (F)  
01 AUGUST 2007  
FINAL ARRAY OF ALTERNATIVES  
14,000 CFS, AND NONSTRUCTURAL  
FLOOD DAMAGE REDUCTION MEASURES

Designed By: USAED, VICKSBURG  
Estimated By: COST ENGINEERING BRANCH

Prepared By: PHILLIP G. HEGWOOD

Preparation Date: 10/01/06  
Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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PROJECT 03YAZO: YAZOO BACKWATER PUMP PLAN #3 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 3 (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction		71,816,960	14,884,726	86,701,686
		-----	-----	-----
TOTAL YAZOO BACKWATER PUMP PLAN #3 (F)	1.00 EA	194,156,265	39,708,583	233,864,848

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U.S. Army Corps of Engineers  
PROJECT 03YAZO: YAZOO BACKWATER PUMP PLAN #3 (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION PUMP PLAN 3 (F)  
\*\* PROJECT OWNER SUMMARY - Feature \*\*

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	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS				
01.01	Lands and Damages	120,800	30,200	151,000
01.02	Relocations	3,216,500	321,650	3,538,150
01.09	Channels and Canals	4,351,620	652,743	5,004,362
01.11	Levees and Floodwalls	993,169	148,975	1,142,145
01.13	Pumping Plant	89,725,971	17,840,225	107,566,195
01.19	Buildings, Grounds, & Utilities	1,433,116	286,623	1,719,739
01.20	Permanent Operating Equipment	1,158,447	208,520	1,366,967
01.30	Planning, Engineering and Design	15,574,253	3,893,563	19,467,816
01.31	Construction Management	5,765,430	1,441,358	7,206,788
TOTAL Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction				
02.01	Lands and Damages	49,589,700	12,398,300	61,988,000
02.06	Fish and Wildlife Facilities	20,469,260	2,046,926	22,516,186
02.30	Planning, Engineering and Design	1,148,000	287,000	1,435,000
02.31	Construction Management	1.00 EA 610,000	152,500	762,500
TOTAL Non-Struc Flood Damage Reduction		71,816,960	14,884,726	86,701,686
TOTAL YAZOO BACKWATER PUMP PLAN #3 (F)		1.00 EA 194,156,265	39,708,583	233,864,848

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U.S. Army Corps of Engineers  
PROJECT 03YAZO: YAZOO BACKWATER PUMP PLAN #3 (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION PUMP PLAN 3 (F)  
\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

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	QUANTITY	UOM	CONTRACT COST	CONTINGEN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS					
01.01 Lands and Damages					
01.01.01			21,000	5,250	26,250
01.01.02			25,000	6,250	31,250
01.01.05			20,000	5,000	25,000
01.01.06			800	200	1,000
01.01.13			9,000	2,250	11,250
01.01.18			45,000	11,250	56,250
TOTAL Lands and Damages			120,800	30,200	151,000
01.02 Relocations					
01.02.01	1.00	EA	3,216,500	321,650	3,538,150
TOTAL Relocations			3,216,500	321,650	3,538,150
01.09 Channels and Canals					
01.09.01			4,351,620	652,743	5,004,362
TOTAL Channels and Canals			4,351,620	652,743	5,004,362
01.11 Levees and Floodwalls					
01.11.01	1.00	JOB	664,915	99,737	764,653
01.11.02	1.00	JOB	328,254	49,238	377,492
TOTAL Levees and Floodwalls			993,169	148,975	1,142,145
01.13 Pumping Plant					
01.13.00			89,725,971	17,840,225	107,566,195
TOTAL Pumping Plant			89,725,971	17,840,225	107,566,195
01.19 Buildings, Grounds, & Utilities					
01.19.00			1,433,116	286,623	1,719,739
TOTAL Buildings, Grounds, & Utilities			1,433,116	286,623	1,719,739

## \*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01.20 Permanent Operating Equipment					
01.20.00 Permanent Operating Equipment			1,158,447	208,520	1,366,967
			-----	-----	-----
TOTAL Permanent Operating Equipment			1,158,447	208,520	1,366,967
01.30 Planning, Engineering and Design					
01.30.04 Constructn Contracts(s) Documnts	1.00	EA	13,655,058	3,413,765	17,068,823
01.30.05 Programs & Project Managmt Dcmnt	1.00	EA	1,919,195	479,799	2,398,994
			-----	-----	-----
TOTAL Planning, Engineering and Design			15,574,253	3,893,563	19,467,816
01.31 Construction Management					
01.31.23 Construction Contracts			5,765,430	1,441,358	7,206,788
			-----	-----	-----
TOTAL Construction Management			5,765,430	1,441,358	7,206,788
			-----	-----	-----
TOTAL Yazoo Backwater Pumps 14,000 CFS			122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction					
02.01 Lands and Damages					
02.01.01 Project Planning			39,000	10,625	49,625
02.01.02 Acquisitions			570,000	142,500	712,500
02.01.05 Appraisals			367,000	91,750	458,750
02.01.06 PL 91-646 Assistance			33,000	8,250	41,250
02.01.13 Project Administration	1.00	EA	109,000	27,250	136,250
02.01.18 Real Estate Payments			48,471,700	12,117,925	60,589,625
			-----	-----	-----
TOTAL Lands and Damages			49,589,700	12,398,300	61,988,000
02.06 Fish and Wildlife Facilities					
02.06.03 Wildlife Facilities & Sanctuary			20,469,260	2,046,926	22,516,186
			-----	-----	-----
TOTAL Fish and Wildlife Facilities			20,469,260	2,046,926	22,516,186
02.30 Planning, Engineering and Design					
02.30.23 Constructn Contracts(s) Documnts			1,148,000	287,000	1,435,000
			-----	-----	-----
TOTAL Planning, Engineering and Design			1,148,000	287,000	1,435,000

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PROJECT 03YAZO: YAZOO BACKWATER PUMP PLAN #3 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 3 (F)

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\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

		QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
02.31	Construction Management				
02.31.23	Construction Contracts		610,000	152,500	762,500
-----					
	TOTAL Construction Management	1.00 EA	610,000	152,500	762,500
-----					
	TOTAL Non-Struc Flood Damage Reduction		71,816,960	14,884,726	86,701,686
-----					
	TOTAL YAZOO BACKWATER PUMP PLAN #3 (F)	1.00 EA	194,156,265	39,708,583	233,864,848

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PROJECT 04YAZO: YAZOO BACKWATER PUMP PLAN #4 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 4 (F)

TITLE PAGE 1

YAZOO BACKWATER PUMP PLAN #4 (F)

01 AUGUST 2007

FINAL ARRAY OF ALTERNATIVES

14,000 CFS, AND NONSTRUCTURAL

FLOOD DAMAGE REDUCTION MEASURES

Designed By: USAED, VICKSBURG

Estimated By: COST ENGINEERING BRANCH

Prepared By: PHILLIP G. HEGWOOD

Preparation Date: 10/01/06

Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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PROJECT 04YAZO: YAZOO BACKWATER PUMP PLAN #4 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 4 (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction		37,216,600	8,422,260	45,638,860
-----				
TOTAL YAZOO BACKWATER PUMP PLAN #4 (F)	1.00 EA	159,555,905	33,246,117	192,802,022

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PROJECT 04YAZO: YAZOO BACKWATER PUMP PLAN #4 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 4 (F)

SUMMARY PAGE 2

\*\* PROJECT OWNER SUMMARY - Feature \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST	
-----						
01 Yazoo Backwater Pumps 14,000 CFS						
01.01			Lands and Damages	120,800	30,200	151,000
01.02			Relocations	3,216,500	321,650	3,538,150
01.09			Channels and Canals	4,351,620	652,743	5,004,362
01.11			Levees and Floodwalls	993,169	148,975	1,142,145
01.13			Pumping Plant	89,725,971	17,840,225	107,566,195
01.19			Buildings, Grounds, & Utilities	1,433,116	286,623	1,719,739
01.20			Permanent Operating Equipment	1,158,447	208,520	1,366,967
01.30			Planning, Engineering and Design	15,574,253	3,893,563	19,467,816
01.31			Construction Management	5,765,430	1,441,358	7,206,788
				-----	-----	-----
TOTAL Yazoo Backwater Pumps 14,000 CFS				122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction						
02.01			Lands and Damages	29,581,000	7,395,000	36,976,000
02.06			Fish and Wildlife Facilities	5,877,600	587,760	6,465,360
02.30			Planning, Engineering and Design	1,148,000	287,000	1,435,000
02.31	1.00	EA	Construction Management	610,000	152,500	762,500
				-----	-----	-----
TOTAL Non-Struc Flood Damage Reduction				37,216,600	8,422,260	45,638,860
				-----	-----	-----
TOTAL YAZOO BACKWATER PUMP PLAN #4 (F)			1.00 EA	159,555,905	33,246,117	192,802,022

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PROJECT 04YAZO: YAZOO BACKWATER PUMP PLAN #4 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 4 (F)

SUMMARY PAGE 3

\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

		QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01	Yazoo Backwater Pumps 14,000 CFS				
01.01	Lands and Damages				
01.01.01	Project Planning		21,000	5,250	26,250
01.01.02	Acquisitions		25,000	6,250	31,250
01.01.05	Appraisals		20,000	5,000	25,000
01.01.06	PL 91-646 Assistance		800	200	1,000
01.01.13	Project Administration	1.00 EA	9,000	2,250	11,250
01.01.18	Real Estate Payments		45,000	11,250	56,250
			-----	-----	-----
	TOTAL Lands and Damages		120,800	30,200	151,000
01.02	Relocations				
01.02.01	Bridge Replacement	1.00 EA	3,216,500	321,650	3,538,150
			-----	-----	-----
	TOTAL Relocations		3,216,500	321,650	3,538,150
01.09	Channels and Canals				
01.09.01	Channels		4,351,620	652,743	5,004,362
			-----	-----	-----
	TOTAL Channels and Canals		4,351,620	652,743	5,004,362
01.11	Levees and Floodwalls				
01.11.01	Levees	1.00 JOB	664,915	99,737	764,653
01.11.02	Floodwalls	1.00 JOB	328,254	49,238	377,492
			-----	-----	-----
	TOTAL Levees and Floodwalls		993,169	148,975	1,142,145
01.13	Pumping Plant				
01.13.00	Pumping Plant		89,725,971	17,840,225	107,566,195
			-----	-----	-----
	TOTAL Pumping Plant		89,725,971	17,840,225	107,566,195
01.19	Buildings, Grounds, & Utilities				
01.19.00	Buildings, Grounds, & Utilities		1,433,116	286,623	1,719,739
			-----	-----	-----
	TOTAL Buildings, Grounds, & Utilities		1,433,116	286,623	1,719,739

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U.S. Army Corps of Engineers  
PROJECT 04YAZO: YAZOO BACKWATER PUMP PLAN #4 (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION PUMP PLAN 4 (F)  
\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

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SUMMARY PAGE 4

	QUANTY UOM	CONTRACT COST	CONTINGN	TOTAL COST
01.20 Permanent Operating Equipment				
01.20.00 Permanent Operating Equipment		1,158,447	208,520	1,366,967
-----				
TOTAL Permanent Operating Equipment		1,158,447	208,520	1,366,967
01.30 Planning, Engineering and Design				
01.30.04 Constructn Contracts(s) Documnts	1.00 EA	13,655,058	3,413,765	17,068,823
01.30.05 Programs & Project Managmt Dcmnt	1.00 EA	1,919,195	479,799	2,398,994
-----				
TOTAL Planning, Engineering and Design		15,574,253	3,893,563	19,467,816
01.31 Construction Management				
01.31.23 Construction Contracts		5,765,430	1,441,358	7,206,788
-----				
TOTAL Construction Management		5,765,430	1,441,358	7,206,788
-----				
TOTAL Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction				
02.01 Lands and Damages				
02.01.01 Project Planning		39,000	9,500	48,500
02.01.02 Acquisitions		2,260,000	565,000	2,825,000
02.01.05 Appraisals		1,143,000	285,750	1,428,750
02.01.06 PL 91-646 Assistance		163,000	40,750	203,750
02.01.13 Project Administration	1.00 EA	491,000	122,750	613,750
02.01.18 Real Estate Payments		25,485,000	6,371,250	31,856,250
-----				
TOTAL Lands and Damages		29,581,000	7,395,000	36,976,000
02.06 Fish and Wildlife Facilities				
02.06.03 Wildlife Facilities & Sanctuary		5,877,600	587,760	6,465,360
-----				
TOTAL Fish and Wildlife Facilities		5,877,600	587,760	6,465,360
02.30 Planning, Engineering and Design				
02.30.23 Constructn Contracts(s) Documnts		1,148,000	287,000	1,435,000
-----				
TOTAL Planning, Engineering and Design		1,148,000	287,000	1,435,000

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PROJECT 04YAZO: YAZOO BACKWATER PUMP PLAN #4 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 4 (F)

SUMMARY PAGE 5

\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

-----  
QUANTITY UOM CONTRACT COST CONTINGN TOTAL COST  
-----

02.31 Construction Management

02.31.23 Construction Contracts 610,000 152,500 762,500

-----  
TOTAL Construction Management 1.00 EA 610,000 152,500 762,500  
-----

TOTAL Non-Struc Flood Damage Reduction 37,216,600 8,422,260 45,638,860

-----  
TOTAL YAZOO BACKWATER PUMP PLAN #4 (F) 1.00 EA 159,555,905 33,246,117 192,802,022  
-----

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PROJECT 05YAZO: YAZOO BACKWATER PUMP PLAN #5 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 5 (F)

TITLE PAGE 1

YAZOO BACKWATER PUMP PLAN #5 (F)

01 AUGUST 2007

FINAL ARRAY OF ALTERNATIVES

14,000 CFS, AND NONSTRUCTURAL

FLOOD DAMAGE REDUCTION MEASURES

Designed By: USAED, VICKSBURG

Estimated By: COST ENGINEERING BRANCH

Prepared By: PHILLIP G. HEGWOOD

Preparation Date: 10/01/06

Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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PROJECT 05YAZO: YAZOO BACKWATER PUMP PLAN #5 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 5 (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS			122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction			59,399,000	13,531,780	72,930,780
			-----	-----	-----
TOTAL YAZOO BACKWATER PUMP PLAN #5 (F)	1.00	EA	181,738,305	38,355,637	220,093,942

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PROJECT 05YAZO: YAZOO BACKWATER PUMP PLAN #5 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 5 (F)

SUMMARY PAGE 2

\*\* PROJECT OWNER SUMMARY - Feature \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS					
01.01			120,800	30,200	151,000
01.02			3,216,500	321,650	3,538,150
01.09			4,351,620	652,743	5,004,362
01.11			993,169	148,975	1,142,145
01.13			89,725,971	17,840,225	107,566,195
01.19			1,433,116	286,623	1,719,739
01.20			1,158,447	208,520	1,366,967
01.30			15,574,253	3,893,563	19,467,816
01.31			5,765,430	1,441,358	7,206,788
TOTAL Yazoo Backwater Pumps 14,000 CFS			122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction					
02.01			48,856,200	12,213,800	61,070,000
02.06			8,784,800	878,480	9,663,280
02.30			1,148,000	287,000	1,435,000
02.31	1.00	EA	610,000	152,500	762,500
TOTAL Non-Struc Flood Damage Reduction			59,399,000	13,531,780	72,930,780
TOTAL YAZOO BACKWATER PUMP PLAN #5 (F)			181,738,305	38,355,637	220,093,942

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U.S. Army Corps of Engineers  
PROJECT 05YAZO: YAZOO BACKWATER PUMP PLAN #5 (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION PUMP PLAN 5 (F)  
\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

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	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01 Yazoo Backwater Pumps 14,000 CFS					
01.01 Lands and Damages					
01.01.01			21,000	5,250	26,250
01.01.02			25,000	6,250	31,250
01.01.05			20,000	5,000	25,000
01.01.06			800	200	1,000
01.01.13		1.00 EA	9,000	2,250	11,250
01.01.18			45,000	11,250	56,250
			-----	-----	-----
TOTAL Lands and Damages			120,800	30,200	151,000
01.02 Relocations					
01.02.01		1.00 EA	3,216,500	321,650	3,538,150
			-----	-----	-----
TOTAL Relocations			3,216,500	321,650	3,538,150
01.09 Channels and Canals					
01.09.01			4,351,620	652,743	5,004,362
			-----	-----	-----
TOTAL Channels and Canals			4,351,620	652,743	5,004,362
01.11 Levees and Floodwalls					
01.11.01		1.00 JOB	664,915	99,737	764,653
01.11.02		1.00 JOB	328,254	49,238	377,492
			-----	-----	-----
TOTAL Levees and Floodwalls			993,169	148,975	1,142,145
01.13 Pumping Plant					
01.13.00			89,725,971	17,840,225	107,566,195
			-----	-----	-----
TOTAL Pumping Plant			89,725,971	17,840,225	107,566,195
01.19 Buildings, Grounds, & Utilities					
01.19.00			1,433,116	286,623	1,719,739
			-----	-----	-----
TOTAL Buildings, Grounds, & Utilities			1,433,116	286,623	1,719,739

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U.S. Army Corps of Engineers  
PROJECT 05YAZO: YAZOO BACKWATER PUMP PLAN #5 (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION PUMP PLAN 5 (F)  
\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

TIME 13:53:41

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	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01.20 Permanent Operating Equipment					
01.20.00 Permanent Operating Equipment			1,158,447	208,520	1,366,967
-----					
TOTAL Permanent Operating Equipment			1,158,447	208,520	1,366,967
-----					
01.30 Planning, Engineering and Design					
01.30.04 Constructn Contracts(s) Documnts	1.00	EA	13,655,058	3,413,765	17,068,823
01.30.05 Programs & Project Managmt Dcmnt	1.00	EA	1,919,195	479,799	2,398,994
-----					
TOTAL Planning, Engineering and Design			15,574,253	3,893,563	19,467,816
-----					
01.31 Construction Management					
01.31.23 Construction Contracts			5,765,430	1,441,358	7,206,788
-----					
TOTAL Construction Management			5,765,430	1,441,358	7,206,788
-----					
TOTAL Yazoo Backwater Pumps 14,000 CFS			122,339,305	24,823,857	147,163,162
-----					
02 Non-Struc Flood Damage Reduction					
02.01 Lands and Damages					
02.01.01 Project Planning			39,000	9,500	48,500
02.01.02 Acquisitions			3,386,000	846,500	4,232,500
02.01.05 Appraisals			1,701,000	425,250	2,126,250
02.01.06 PL 91-646 Assistance			243,000	60,750	303,750
02.01.13 Project Administration	1.00	EA	727,000	181,750	908,750
02.01.18 Real Estate Payments			42,760,200	10,690,050	53,450,250
-----					
TOTAL Lands and Damages			48,856,200	12,213,800	61,070,000
-----					
02.06 Fish and Wildlife Facilities					
02.06.03 Wildlife Facilities & Sanctuary			8,784,800	878,480	9,663,280
-----					
TOTAL Fish and Wildlife Facilities			8,784,800	878,480	9,663,280
-----					
02.30 Planning, Engineering and Design					
02.30.23 Constructn Contracts(s) Documnts			1,148,000	287,000	1,435,000
-----					
TOTAL Planning, Engineering and Design			1,148,000	287,000	1,435,000
-----					

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PROJECT 05YAZO: YAZOO BACKWATER PUMP PLAN #5 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 5 (F)

SUMMARY PAGE 5

\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

-----  
QUANTITY UOM CONTRACT COST CONTINGN TOTAL COST  
-----

02.31 Construction Management

02.31.23 Construction Contracts 610,000 152,500 762,500

-----  
TOTAL Construction Management 1.00 EA 610,000 152,500 762,500  
-----

TOTAL Non-Struc Flood Damage Reduction 59,399,000 13,531,780 72,930,780  
-----

TOTAL YAZOO BACKWATER PUMP PLAN #5 (F) 1.00 EA 181,738,305 38,355,637 220,093,942  
-----

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PROJECT 06YAZO: YAZOO BACKWATER PUMP PLAN #6 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 6 (F)

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YAZOO BACKWATER PUMP PLAN #6 (F)

01 AUGUST 2007

FINAL ARRAY OF ALTERNATIVES

14,000 CFS, AND NONSTRUCTURAL

FLOOD DAMAGE REDUCTION MEASURES

Designed By: USAED, VICKSBURG

Estimated By: COST ENGINEERING BRANCH

Prepared By: PHILLIP G. HEGWOOD

Preparation Date: 10/01/06

Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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PROJECT 06YAZO: YAZOO BACKWATER PUMP PLAN #6 (F) - 01 AUGUST 2007

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PROJECT 06YAZO: YAZOO BACKWATER PUMP PLAN #6 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 6 (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction		93,133,400	21,354,420	114,487,820
-----				
TOTAL YAZOO BACKWATER PUMP PLAN #6 (F)	1.00 EA	215,472,705	46,178,277	261,650,982



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PROJECT 06YAZO: YAZOO BACKWATER PUMP PLAN #6 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 6 (F)

SUMMARY PAGE 2

\*\* PROJECT OWNER SUMMARY - Feature \*\*

	QUANTY UOM	CONTRACT COST	CONTINGN	TOTAL COST	
01 Yazoo Backwater Pumps 14,000 CFS					
01.01 Lands and Damages		120,800	30,200	151,000	
01.02 Relocations		3,216,500	321,650	3,538,150	
01.09 Channels and Canals		4,351,620	652,743	5,004,362	
01.11 Levees and Floodwalls		993,169	148,975	1,142,145	
01.13 Pumping Plant		89,725,971	17,840,225	107,566,195	
01.19 Buildings, Grounds, & Utilities		1,433,116	286,623	1,719,739	
01.20 Permanent Operating Equipment		1,158,447	208,520	1,366,967	
01.30 Planning, Engineering and Design		15,574,253	3,893,563	19,467,816	
01.31 Construction Management		5,765,430	1,441,358	7,206,788	
TOTAL Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	147,163,162	
02 Non-Struc Flood Damage Reduction					
02.01 Lands and Damages		78,514,200	19,628,800	98,143,000	
02.06 Fish and Wildlife Facilities		12,861,200	1,286,120	14,147,320	
02.30 Planning, Engineering and Design		1,148,000	287,000	1,435,000	
02.31 Construction Management	1.00 EA	610,000	152,500	762,500	
TOTAL Non-Struc Flood Damage Reduction		93,133,400	21,354,420	114,487,820	
TOTAL YAZOO BACKWATER PUMP PLAN #6 (F)		1.00 EA	215,472,705	46,178,277	261,650,982

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01 Yazoo Backwater Pumps 14,000 CFS					
01.01 Lands and Damages					
01.01.01			21,000	5,250	26,250
01.01.02			25,000	6,250	31,250
01.01.05			20,000	5,000	25,000
01.01.06			800	200	1,000
01.01.13	1.00	EA	9,000	2,250	11,250
01.01.18			45,000	11,250	56,250
TOTAL Lands and Damages			120,800	30,200	151,000
-----					
01.02 Relocations					
01.02.01	1.00	EA	3,216,500	321,650	3,538,150
TOTAL Relocations			3,216,500	321,650	3,538,150
-----					
01.09 Channels and Canals					
01.09.01			4,351,620	652,743	5,004,362
TOTAL Channels and Canals			4,351,620	652,743	5,004,362
-----					
01.11 Levees and Floodwalls					
01.11.01	1.00	JOB	664,915	99,737	764,653
01.11.02	1.00	JOB	328,254	49,238	377,492
TOTAL Levees and Floodwalls			993,169	148,975	1,142,145
-----					
01.13 Pumping Plant					
01.13.00			89,725,971	17,840,225	107,566,195
TOTAL Pumping Plant			89,725,971	17,840,225	107,566,195
-----					
01.19 Buildings, Grounds, & Utilities					
01.19.00			1,433,116	286,623	1,719,739
TOTAL Buildings, Grounds, & Utilities			1,433,116	286,623	1,719,739
-----					

## \*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01.20 Permanent Operating Equipment					
01.20.00 Permanent Operating Equipment			1,158,447	208,520	1,366,967
TOTAL Permanent Operating Equipment			1,158,447	208,520	1,366,967
-----					
01.30 Planning, Engineering and Design					
01.30.04 Constructn Contracts(s) Documnts	1.00	EA	13,655,058	3,413,765	17,068,823
01.30.05 Programs & Project Managmt Dcmnt	1.00	EA	1,919,195	479,799	2,398,994
TOTAL Planning, Engineering and Design			15,574,253	3,893,563	19,467,816
-----					
01.31 Construction Management					
01.31.23 Construction Contracts			5,765,430	1,441,358	7,206,788
TOTAL Construction Management			5,765,430	1,441,358	7,206,788
TOTAL Yazoo Backwater Pumps 14,000 CFS			122,339,305	24,823,857	147,163,162
-----					
02 Non-Struc Flood Damage Reduction					
02.01 Lands and Damages					
02.01.01 Project Planning			39,000	10,000	49,000
02.01.02 Acquisitions			4,823,000	1,205,750	6,028,750
02.01.05 Appraisals			2,420,000	605,000	3,025,000
02.01.06 PL 91-646 Assistance			344,000	86,000	430,000
02.01.13 Project Administration	1.00	EA	1,027,000	256,750	1,283,750
02.01.18 Real Estate Payments			69,861,200	17,465,300	87,326,500
TOTAL Lands and Damages			78,514,200	19,628,800	98,143,000
-----					
02.06 Fish and Wildlife Facilities					
02.06.03 Wildlife Facilities & Sanctuary			12,861,200	1,286,120	14,147,320
TOTAL Fish and Wildlife Facilities			12,861,200	1,286,120	14,147,320
-----					
02.30 Planning, Engineering and Design					
02.30.23 Constructn Contracts(s) Documnts			1,148,000	287,000	1,435,000
TOTAL Planning, Engineering and Design			1,148,000	287,000	1,435,000
-----					

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PROJECT 06YAZO: YAZOO BACKWATER PUMP PLAN #6 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 6 (F)

SUMMARY PAGE 5

\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

-----  
QUANTITY UOM CONTRACT COST CONTINGN TOTAL COST  
-----

02.31 Construction Management

02.31.23 Construction Contracts 610,000 152,500 762,500

-----  
TOTAL Construction Management 1.00 EA 610,000 152,500 762,500  
-----

TOTAL Non-Struc Flood Damage Reduction 93,133,400 21,354,420 114,487,820  
-----

TOTAL YAZOO BACKWATER PUMP PLAN #6 (F) 1.00 EA 215,472,705 46,178,277 261,650,982

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U.S. Army Corps of Engineers  
PROJECT 07YAZO: YAZOO BACKWATER PUMP PLAN #7 (F) - 01 AUGUST 2007  
YAZOO BACKWATER REFORMULATION PUMP PLAN 7 (F)

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YAZOO BACKWATER PUMP PLAN #7 (F)  
01 AUGUST 2007  
FINAL ARRAY OF ALTERNATIVES  
14,000 CFS, AND NONSTRUCTURAL  
FLOOD DAMAGE REDUCTION MEASURES

Designed By: USAED, VICKSBURG  
Estimated By: COST ENGINEERING BRANCH

Prepared By: PHILLIP G. HEGWOOD

Preparation Date: 10/01/06  
Effective Date of Pricing: 10/01/06

Sales Tax: 0.00%

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PROJECT 07YAZO: YAZOO BACKWATER PUMP PLAN #7 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 7 (F)

SUMMARY PAGE 1

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS		122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction		191,241,200	44,863,020	236,104,220
		-----	-----	-----
TOTAL YAZOO BACKWATER PUMP PLAN #7 (F)	1.00 EA	313,580,505	69,686,877	383,267,382

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PROJECT 07YAZO: YAZOO BACKWATER PUMP PLAN #7 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 7 (F)

SUMMARY PAGE 2

\*\* PROJECT OWNER SUMMARY - Feature \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
01 Yazoo Backwater Pumps 14,000 CFS					
01.01			120,800	30,200	151,000
01.02			3,216,500	321,650	3,538,150
01.09			4,351,620	652,743	5,004,362
01.11			993,169	148,975	1,142,145
01.13			89,725,971	17,840,225	107,566,195
01.19			1,433,116	286,623	1,719,739
01.20			1,158,447	208,520	1,366,967
01.30			15,574,253	3,893,563	19,467,816
01.31			5,765,430	1,441,358	7,206,788
TOTAL Yazoo Backwater Pumps 14,000 CFS			122,339,305	24,823,857	147,163,162
02 Non-Struc Flood Damage Reduction					
02.01			169,828,000	42,458,000	212,286,000
02.06			19,655,200	1,965,520	21,620,720
02.30			1,148,000	287,000	1,435,000
02.31		1.00 EA	610,000	152,500	762,500
TOTAL Non-Struc Flood Damage Reduction			191,241,200	44,863,020	236,104,220
TOTAL YAZOO BACKWATER PUMP PLAN #7 (F)			313,580,505	69,686,877	383,267,382



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PROJECT 07YAZO: YAZOO BACKWATER PUMP PLAN #7 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 7 (F)

SUMMARY PAGE 3

\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01 Yazoo Backwater Pumps 14,000 CFS					
01.01 Lands and Damages					
01.01.01			21,000	5,250	26,250
01.01.02			25,000	6,250	31,250
01.01.05			20,000	5,000	25,000
01.01.06			800	200	1,000
01.01.13	1.00	EA	9,000	2,250	11,250
01.01.18			45,000	11,250	56,250
TOTAL Lands and Damages			120,800	30,200	151,000
01.02 Relocations					
01.02.01	1.00	EA	3,216,500	321,650	3,538,150
TOTAL Relocations			3,216,500	321,650	3,538,150
01.09 Channels and Canals					
01.09.01			4,351,620	652,743	5,004,362
TOTAL Channels and Canals			4,351,620	652,743	5,004,362
01.11 Levees and Floodwalls					
01.11.01	1.00	JOB	664,915	99,737	764,653
01.11.02	1.00	JOB	328,254	49,238	377,492
TOTAL Levees and Floodwalls			993,169	148,975	1,142,145
01.13 Pumping Plant					
01.13.00			89,725,971	17,840,225	107,566,195
TOTAL Pumping Plant			89,725,971	17,840,225	107,566,195
01.19 Buildings, Grounds, & Utilities					
01.19.00			1,433,116	286,623	1,719,739
TOTAL Buildings, Grounds, & Utilities			1,433,116	286,623	1,719,739

## \*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

	QUANTITY	UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
01.20 Permanent Operating Equipment					
01.20.00 Permanent Operating Equipment			1,158,447	208,520	1,366,967
TOTAL Permanent Operating Equipment			1,158,447	208,520	1,366,967
-----					
01.30 Planning, Engineering and Design					
01.30.04 Constructn Contracts(s) Documnts	1.00	EA	13,655,058	3,413,765	17,068,823
01.30.05 Programs & Project Managmt Dcmnt	1.00	EA	1,919,195	479,799	2,398,994
TOTAL Planning, Engineering and Design			15,574,253	3,893,563	19,467,816
-----					
01.31 Construction Management					
01.31.23 Construction Contracts			5,765,430	1,441,358	7,206,788
TOTAL Construction Management			5,765,430	1,441,358	7,206,788
-----					
TOTAL Yazoo Backwater Pumps 14,000 CFS			122,339,305	24,823,857	147,163,162
-----					
02 Non-Struc Flood Damage Reduction					
02.01 Lands and Damages					
02.01.01 Project Planning			39,000	10,750	49,750
02.01.02 Acquisitions			13,915,000	3,478,750	17,393,750
02.01.05 Appraisals			6,846,000	1,711,500	8,557,500
02.01.06 PL 91-646 Assistance			1,003,000	250,750	1,253,750
02.01.13 Project Administration	1.00	EA	2,972,000	743,000	3,715,000
02.01.18 Real Estate Payments			145,053,000	36,263,250	181,316,250
TOTAL Lands and Damages			169,828,000	42,458,000	212,286,000
-----					
02.06 Fish and Wildlife Facilities					
02.06.03 Wildlife Facilities & Sanctuary			19,655,200	1,965,520	21,620,720
TOTAL Fish and Wildlife Facilities			19,655,200	1,965,520	21,620,720
-----					
02.30 Planning, Engineering and Design					
02.30.23 Constructn Contracts(s) Documnts			1,148,000	287,000	1,435,000
TOTAL Planning, Engineering and Design			1,148,000	287,000	1,435,000
-----					

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PROJECT 07YAZO: YAZOO BACKWATER PUMP PLAN #7 (F) - 01 AUGUST 2007

YAZOO BACKWATER REFORMULATION PUMP PLAN 7 (F)

SUMMARY PAGE 5

\*\* PROJECT OWNER SUMMARY - Sub-Feat \*\*

		QUANTITY UOM	CONTRACT COST	CONTINGN	TOTAL COST
-----					
02.31 Construction Management					
02.31.23 Construction Contracts			610,000	152,500	762,500
			-----	-----	-----
TOTAL Construction Management	1.00 EA		610,000	152,500	762,500
			-----	-----	-----
TOTAL Non-Struc Flood Damage Reduction			191,241,200	44,863,020	236,104,220
			-----	-----	-----
TOTAL YAZOO BACKWATER PUMP PLAN #7 (F)	1.00 EA		313,580,505	69,686,877	383,267,382