

**Hampton Roads Beneficial Use of Dredged
Material
Continuing Authorities Program, Section 204**

Appendix D - Cost Engineering

**Draft Detailed Project Report and
Environmental Assessment**



**US Army Corps
of Engineers®**

SEPTEMBER 2024



**** TOTAL PROJECT COST SUMMARY ****

PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
PROJECT NO: P2 xxxxxx
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate

DISTRICT: Norfolk District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/9/2024

This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island)

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)			
						Program Year (Budget EC): 2025 Effective Price Level Date: 1 OCT 24									
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Spent Thru: 1-Oct-23 (\$K)	TOTAL FIRST COST (\$K)	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J		K	L	M	N	O
02	RELOCATIONS	-\$2,344	\$0 -		-\$2,344	-	-\$2,413	\$0	-\$2,413	\$0	-\$2,413	-	-\$2,507	\$0	-\$2,507
06	FISH & WILDLIFE FACILITIES	\$7,706	\$2,543	33.0%	\$10,249	2.9%	\$7,933	\$2,618	\$10,550	\$0	\$10,550	6.6%	\$8,455	\$2,790	\$11,245
06	FISH & WILDLIFE FACILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
		\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
		\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
		\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
		\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
		\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
		\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
		\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$5,362	\$2,543		\$7,905	2.9%	\$5,520	\$2,618	\$8,137	\$0	\$8,137	7.4%	\$5,948	\$2,790	\$8,738
01	LANDS AND DAMAGES	\$44	\$9	20.0%	\$53	2.7%	\$45	\$9	\$54	\$0	\$54	1.3%	\$46	\$9	\$55
30	PLANNING, ENGINEERING & DESIGN	\$1,685	\$781	46.3%	\$2,466	3.4%	\$1,742	\$807	\$2,550	\$0	\$2,550	2.8%	\$1,787	\$833	\$2,620
31	CONSTRUCTION MANAGEMENT	\$1,117	\$369	33.0%	\$1,486	3.4%	\$1,156	\$381	\$1,537	\$0	\$1,537	7.9%	\$1,247	\$412	\$1,659
PROJECT COST TOTALS:		\$8,208	\$3,701	45.1%	\$11,910		\$8,463	\$3,816	\$12,278	\$0	\$12,278	6.5%	\$9,028	\$4,044	\$13,072

Keith R. Butler	CHIEF, COST ENGINEERING, xxx
Kim Koelsch	PROJECT MANAGER, xxx
Donna Carrier-Tai	CHIEF, REAL ESTATE, xxx
Michelle Hamor	CHIEF, PLANNING, xxx
Robert McElhinny	CHIEF, ENGINEERING, xxx
Mike Anderson	CHIEF, OPERATIONS, xxx
	CHIEF, CONSTRUCTION, xxx
	CHIEF, CONTRACTING,xxx
	CHIEF, PM-PB, xxxx
	CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$13,072

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PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate
This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island

PREPARED: 9/9/2024

Filename: DRAFT 23 SEPT 2024 TPCS BIRDS ISLAND.xlsx
TPCS

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PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
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PREPARED: 9/9/2024

WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
06	FEDERAL STANDARD													
	FISH & WILDLIFE FACILITIES	-\$2,344	\$0	0.0%	-\$2,344	2.9%	-\$2,413	\$0	-\$2,413	2026Q3	3.9%	-\$2,507	\$0	-\$2,507
		\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
		\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
		\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
		\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
		\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
		\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		-\$2,344	\$0	0.0%	-\$2,344		-\$2,413	\$0	-\$2,413			-\$2,507	\$0	-\$2,507
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	-\$59	\$0	0.0%	-\$59	3.4%	-\$61	\$0	-\$61	2026Q2	3.9%	-\$63	\$0	-\$63
1.0%	Planning & Environmental Compliance	-\$23	\$0	0.0%	-\$23	3.4%	-\$24	\$0	-\$24	2026Q2	3.9%	-\$25	\$0	-\$25
15.0%	Engineering & Design	-\$352	\$0	0.0%	-\$352	3.4%	-\$364	\$0	-\$364	2026Q2	3.9%	-\$378	\$0	-\$378
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	-\$23	\$0	0.0%	-\$23	3.4%	-\$24	\$0	-\$24	2026Q2	3.9%	-\$25	\$0	-\$25
1.0%	Contracting & Reprographics	-\$23	\$0	0.0%	-\$23	3.4%	-\$24	\$0	-\$24	2026Q2	3.9%	-\$25	\$0	-\$25
3.0%	Engineering During Construction	-\$70	\$0	0.0%	-\$70	3.4%	-\$73	\$0	-\$73	2027Q3	7.9%	-\$78	\$0	-\$78
2.0%	Planning During Construction	-\$47	\$0	0.0%	-\$47	3.4%	-\$48	\$0	-\$48	2027Q3	7.9%	-\$52	\$0	-\$52
3.0%	Adaptive Management & Monitoring	-\$70	\$0	0.0%	-\$70	3.4%	-\$73	\$0	-\$73	2027Q2	7.1%	-\$78	\$0	-\$78
1.0%	Project Operations	-\$23	\$0	0.0%	-\$23	3.4%	-\$24	\$0	-\$24	2026Q2	3.9%	-\$25	\$0	-\$25
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
0.0%	Construction Management	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
0.0%	Project Operation:	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
0.0%	Project Management	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		-\$3,035	\$0		-\$3,035		-\$3,128	\$0	-\$3,128			-\$3,257	\$0	-\$3,257

**** TOTAL PROJECT COST SUMMARY ****

Printed:11/7/2024
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**** CONTRACT COST SUMMARY ****

PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate
This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island)

DISTRICT: Norfolk District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/9/2024

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared:		15-Aug-24		Program Year (Budget EC):		2025						
		Effective Price Level:		1-Oct-23		Effective Price Level Date:		1 OCT 24						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 3 or CONTRACT 3														
03	RESERVOIRS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
04	DAMS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
05	LOCKS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
06	FISH & WILDLIFE FACILITIES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
07	POWER PLANT	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
08	ROADS, RAILROADS & BRIDGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
09	CHANNELS & CANALS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
10	BREAKWATER & SEAWALLS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
15.0%	Engineering & Design	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Engineering During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Planning During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Project Operations	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

Printed:11/7/2024
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**** CONTRACT COST SUMMARY ****

PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate
This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island)

DISTRICT: Norfolk District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/9/2024

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared: 15-Aug-24 Effective Price Level: 1-Oct-23				Program Year (Budget EC): 2025 Effective Price Level Date: 1 OCT 24				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 4 or CONTRACT 4														
03	RESERVOIRS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
04	DAMS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
05	LOCKS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
06	FISH & WILDLIFE FACILITIES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
07	POWER PLANT	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
08	ROADS, RAILROADS & BRIDGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
09	CHANNELS & CANALS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
10	BREAKWATER & SEAWALLS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
15.0%	Engineering & Design	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Engineering During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Planning During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Project Operations	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

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A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 5 or CONTRACT 5														
03	RESERVOIRS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
04	DAMS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
05	LOCKS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
06	FISH & WILDLIFE FACILITIES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
07	POWER PLANT	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
08	ROADS, RAILROADS & BRIDGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
09	CHANNELS & CANALS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
10	BREAKWATER & SEAWALLS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
15.0%	Engineering & Design	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Engineering During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Planning During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Project Operations	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate
This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island)

DISTRICT: Norfolk District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/9/2024

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared: Effective Price Level:		15-Aug-24 1-Oct-23		Program Year (Budget EC): Effective Price Level Date:		2025 1 OCT 24		FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 6 or CONTRACT 6														
03	RESERVOIRS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
04	DAMS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
05	LOCKS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
06	FISH & WILDLIFE FACILITIES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
07	POWER PLANT	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
08	ROADS, RAILROADS & BRIDGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
09	CHANNELS & CANALS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
10	BREAKWATER & SEAWALLS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
15.0%	Engineering & Design	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Engineering During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Planning During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Project Operations	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

Printed:11/7/2024
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**** CONTRACT COST SUMMARY ****

PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate
This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island)

DISTRICT: Norfolk District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/9/2024

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared: 15-Aug-24 Effective Price Level: 1-Oct-23				Program Year (Budget EC): 2025 Effective Price Level Date: 1 OCT 24				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 7 or CONTRACT 7														
03	RESERVOIRS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
04	DAMS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
05	LOCKS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
06	FISH & WILDLIFE FACILITIES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
07	POWER PLANT	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
08	ROADS, RAILROADS & BRIDGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
09	CHANNELS & CANALS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
10	BREAKWATER & SEAWALLS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
15.0%	Engineering & Design	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Engineering During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Planning During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Project Operations	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

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**** CONTRACT COST SUMMARY ****

PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate
This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island)

DISTRICT: Norfolk District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/9/2024

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared: Effective Price Level:		15-Aug-24 1-Oct-23		Program Year (Budget EC): Effective Price Level Date:		2025 1 OCT 24		FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 8 or CONTRACT 8														
03	RESERVOIRS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
04	DAMS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
05	LOCKS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
06	FISH & WILDLIFE FACILITIES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
07	POWER PLANT	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
08	ROADS, RAILROADS & BRIDGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
09	CHANNELS & CANALS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
10	BREAKWATER & SEAWALLS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		\$0	\$0	0.0%	0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$ -	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
15.0%	Engineering & Design	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Engineering During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Planning During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Project Operations	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	10.0%	0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	\$0	\$0	10.0%	0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.5%	Project Management	\$0	\$0	10.0%	0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$0	\$0		0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

Printed:11/7/2024
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**** CONTRACT COST SUMMARY ****

PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate
This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island)

DISTRICT: Norfolk District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/9/2024

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared: 15-Aug-24 Effective Price Level: 1-Oct-23				Program Year (Budget EC): 2025 Effective Price Level Date: 1 OCT 24				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 9 or CONTRACT 9														
03	RESERVOIRS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
04	DAMS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
05	LOCKS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
06	FISH & WILDLIFE FACILITIES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
07	POWER PLANT	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
08	ROADS, RAILROADS & BRIDGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
09	CHANNELS & CANALS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
10	BREAKWATER & SEAWALLS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
15.0%	Engineering & Design	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Engineering During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Planning During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Project Operations	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

Printed:11/7/2024
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**** CONTRACT COST SUMMARY ****

PROJECT: HR Beneficial (Birds Island) 4b.5(5acre/9.7 footprint)
LOCATION: Hampton Roads(Birds Island) 4b.5(5acre/9.7 footprint) Alternative ROM Estimate
This Estimate reflects the scope and schedule in report; HR Beneficial (Birds Island)

DISTRICT: Norfolk District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/9/2024

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared: Effective Price Level:		15-Aug-24 1-Oct-23		Program Year (Budget EC): Effective Price Level Date:		2025 1 OCT 24		FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 10 or CONTRACT 10														
03	RESERVOIRS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
04	DAMS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
05	LOCKS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
06	FISH & WILDLIFE FACILITIES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
07	POWER PLANT	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
08	ROADS, RAILROADS & BRIDGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
09	CHANNELS & CANALS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
10	BREAKWATER & SEAWALLS	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONSTRUCTION ESTIMATE TOTALS:		\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
15.0%	Engineering & Design	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Engineering During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Planning During Construction	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Project Operations	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	Real Estate (All Federal Labor)	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.5%	Project Management	\$0	\$0	10.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0