

**United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate  
BASIS OF ESTIMATE**

**PROJECT INFORMATION**

**Project:** Oso Comida Trailhead Improvements:  
**Park:** Bear Arbor NRA  
**Park Apha:** BEAR  
**PMIS:** XXXXXX  
**Estimate Date:** 1/12/2011  
**Prepared By:** YtB  
**Company:** NPS Bear Arbor NRA  
**Address:** 123 Bruin Meadows Rd.  
**City, State Zip:** Grizzley Hollow, CA 96023  
**Phone:** (555) 123-4567

**BACKGROUND SUPPORTING MATERIAL (Scope of Work):**

Existing parking lot will be upgraded, re-configured within existing disturbed area, for 40 car spaces, 5 ADA Spaces, 2 van spaces, 10 RV pull throughspaces, and paved. Existing pit toilets will be removed and replaced with a wet comfort station including septic system with in tank bio reactor treatment, and liquid disposal field; NEW WATER WELL NOW REQUIRED. The existing picnic area will be rehabilitated and modified to meet ABBAS accessibility standards. Trail connections will be formalized and upgraded; portions will be made accessible to facilitate access to Bruin Meadows overlook. Existing uncontrolled social trails will be restored to natural and a channelizing seat-resistant wood rail fence added to direct movement from parking area to trail connection. The septic system incorporates a new technology in-tank sanitary treatment process that will be pre ordered and supplied by NPS as GFP. Purchase cost of tank and treatment materials is included in direct cost estimate.

**SOURCE OF COST DATA:**

Comfort Station unit costs are based a combination of sources that include actual material take-offs and vendor quotes, review of actual final costs and project labor records for a similar facility constructed in 2009 at neighboring Ursa Hollow park. Parking lot costs are based on actual contract prices from Spring 2010 FHWA road project on Bruin Meadows Road adjacent to the site adjusted to remove previous O&P. Purchase price for the prefabricated Septic-King™ is an actual vendor quote FOB park warehouse. Supplemental cost were obtained from RS Means, Facilities Cost Data (FCCD), 25th Annual Edition. WHENEVER RSMEANS BARE UNIT COSTS WERE USED FROM THE FCCD DATA, 10% WAS ADDED TO MATERIALS & EQUIPMENT AND 60% TO LABOR TO ACCOUNT FOR INSTALLER (SUB) O&P

**ESTIMATE ASSUMPTIONS:**

Estimate assumes that all improvements will be constructed as a single project during one construction season. East half of existing dirt parking area and trailhead will remain in operation until new paved lot and walk connections are completed. 2nd half of existing lot will be available for contractor laydown/equipment area, but contractor's labor force must park at maintenance yard 5 miles away and be shuttled into site. Shuttle costs and additional portable toilet cost impacts are included in Government Special Conditions. Septic-King™ system will be preordered by the Park to avoid long lead time from impacting installation schedule.

**MAJOR CHANGES FROM PREVIOUS ESTIMATE:**

Parking lot configuration changed slightly to accommodate RV pull through spaces. Existing dirt parking area will be gravel surfaced for use as overflow parking and equestrian staging area. Photo-voltaic system has been deleted for budgetary purposes, viewshed impacts, concerns over viewshed impacts and negative results of net life-cycle payback analysis. Water is not available in road; well added to service wet comfort station - assumes 1200 VLF depth.

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**DESCRIPTION OF MARK-UP & ADD-ONS:**

Design Contingency:	<u>2.00%</u>	This is the 100% Draft CD submittal, but a few design details relating to septic and electric systems are still changing.
Standard. General Conditions:	<u>0.00%</u>	Percentage mark-up not used. Please refer to itemized General conditions estimate for each CLI
Government General Conditions:	<u>3.00%</u>	Most costs are covered in Standard GC. 3% additional as cost offset to accommodate crew shuttle, dignitary events and multi-layer oversight disruptions.
Contractor Overhead:	<u>8.50%</u>	Anticipate using a small contractor with limited fixed overhead costs and austerity under current market conditions
Contractor Profit:	<u>10.00%</u>	Current construction market conditions expected to improve modestly by 2013 project date.
Contracting Method Adjustment:	<u>15.00%</u>	Preliminary indications are that negotiated sole-source SBA Section 8a or SDV procurement will be utilized.
Annual Inflation Escalation Factor:	<u>3.60%</u>	Projected annual inflation rate.
Time Until Project Midpoint (Months)	<u>32</u>	January 2011 estimate data date to mid-point of construction, August 2013

**OTHER COMMENTS:**

Since new comfort station will have deepened grade-beam/strip footing on piers w/PT slab on grade construction, insufficient spoils will be generated to backfill existing pits. After spoils from new septic system are exhausted, we assumed 50% of total backfill quantity will be imported from NPS in park-stockpile. The balance of the on-site grading appears to balance, pending verification of existing topo.

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PMIS Number: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Bid Item No.	Bid Item Description	Total Material Cost	Total Labor Cost	Total Equipment Cost	Total Direct Construction Costs	Design Contingency 2.00%	General Conditions 3.00%	General Contractor Overhead 8.50%	General Contractor Profit 10.00%	Contracting Method Adjustment 15.00%	Inflation Escalation		Bid Item Total
											APR	Month	
											3.60%	32	
<b>Bid Item: 1</b>	<b>Replace Pit Toilets with New Comfort Station</b>	<b>TOTAL VALUE OF GOVERNMENT FURNISHED PROPERTY (if any):</b>										<b>\$ 46,000.00</b>	
	A10 Foundations	\$ 30,028	\$ 33,082	\$ 7,293	\$ 70,403								
	A20 Basement Construction	\$ -	\$ -	\$ -	\$ -								
	B10 Superstructure	\$ 15,622	\$ 13,198	\$ 460	\$ 29,280								
	B20 Exterior Enclosure	\$ 35,992	\$ 29,477	\$ -	\$ 65,469								
	B30 Roofing	\$ 18,471	\$ 8,706	\$ -	\$ 27,177								
	C10 Interior Construction	\$ 25,573	\$ 9,308	\$ -	\$ 34,881								
	C30 Interior Finishes	\$ 4,476	\$ 13,424	\$ -	\$ 17,900								
	D20 Plumbing Systems	\$ 26,655	\$ 16,121	\$ -	\$ 42,776								
	D30 HVAC	\$ 1,269	\$ 1,170	\$ -	\$ 2,439								
	D50 Electrical	\$ 8,753	\$ 9,366	\$ -	\$ 18,119								
	F20 Selective Building Demolition	\$ 463	\$ 1,990	\$ 3,862	\$ 6,315								
	G10 Site Preparation	\$ 2,188	\$ 4,362	\$ 6,952	\$ 13,502								
	G20 Site Improvements	\$ 8,900	\$ 7,300	\$ -	\$ 16,200								
	G30 Site Mechanical	\$ 86,213	\$ 32,582	\$ 44,542	\$ 163,337								
	G40 Site Electrical	\$ 5,000	\$ -	\$ -	\$ 5,000								
	XX Standard General Conditions	\$ 31,900	\$ 101,200	\$ 18,610	\$ 151,710								
<b>Total - Bid Item 1</b>	<b>Replace Pit Toilets with New Comfort Station</b>	<b>\$ 301,503</b>	<b>\$ 281,286</b>	<b>\$ 81,719</b>	<b>\$ 664,508</b>	<b>\$ 12,370</b>	<b>\$ 18,926</b>	<b>\$ 55,233</b>	<b>\$ 64,980</b>	<b>\$ 122,403</b>	<b>\$ 92,813</b>	<b>\$ 1,031,234</b>	
<b>Bid Item: 2</b>	<b>Construct New Parking Lot &amp; Site Utilities</b>	<b>TOTAL VALUE OF GOVERNMENT FURNISHED PROPERTY (if any):</b>										<b>\$ -</b>	
	G10 Site Preparation	\$ 2,500	\$ 11,711	\$ 19,776	\$ 33,987								
	G20 Site Improvements	\$ 143,581	\$ 36,335	\$ 43,670	\$ 223,586								
	G30 Site Mechanical	\$ 12,153	\$ 14,232	\$ 4,241	\$ 30,626								
	XX Standard General Conditions	\$ 12,925	\$ 8,350	\$ 6,500	\$ 27,775								
		\$ -	\$ -	\$ -	\$ -								
<b>Total - Bid Item 2</b>	<b>Construct New Parking Lot &amp; Site Utilities</b>	<b>\$ 171,159</b>	<b>\$ 70,628</b>	<b>\$ 74,187</b>	<b>\$ 315,974</b>	<b>\$ 6,319</b>	<b>\$ 9,669</b>	<b>\$ 28,217</b>	<b>\$ 33,196</b>	<b>\$ 59,006</b>	<b>\$ 44,742</b>	<b>\$ 497,123</b>	
<b>Bid Item: 3</b>	<b>Picnic Area &amp; Trailhead Improvements</b>	<b>TOTAL VALUE OF GOVERNMENT FURNISHED PROPERTY (if any):</b>										<b>\$ -</b>	
	G10 Site Preparation	\$ -	\$ 11,860	\$ 4,845	\$ 16,705								
	G20 Site Improvements	\$ 59,448	\$ 25,960	\$ 12,270	\$ 97,678								
	G30 Site Mechanical	\$ 2,125	\$ 2,275	\$ 330	\$ 4,730								
	XX Standard General Conditions	\$ 5,775	\$ 7,550	\$ 2,500	\$ 15,825								
		\$ -	\$ -	\$ -	\$ -								
<b>Total - Bid Item 3</b>	<b>Picnic Area &amp; Trailhead Improvements</b>	<b>\$ 67,348</b>	<b>\$ 47,645</b>	<b>\$ 19,945</b>	<b>\$ 134,938</b>	<b>\$ 2,699</b>	<b>\$ 4,129</b>	<b>\$ 12,050</b>	<b>\$ 14,177</b>	<b>\$ 25,199</b>	<b>\$ 19,107</b>	<b>\$ 212,299</b>	
<b>Total Bid Items 1-3</b>		<b>\$ 540,010</b>	<b>\$ 399,559</b>	<b>\$ 175,851</b>	<b>\$ 1,115,420</b>	<b>\$ 21,388</b>	<b>\$ 32,724</b>	<b>\$ 95,500</b>	<b>\$ 112,353</b>	<b>\$ 206,608</b>	<b>\$ 156,662</b>	<b>\$ 1,740,656</b>	

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PMIS Number: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Bid Item Number	Asset / Project Element / Description	Size/Count	Units
<b>BID ITEM 1</b>	<b>Construct Wet Comfort Station</b>	<b>1000</b>	<b>SF</b>

Item No.	WBS	Description	Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Direct Cost/Unit	Total Direct Costs	NET Cost/Unit	Total NET Costs
1	A10	Foundations	\$ 30.03	\$ 30,028	\$ 33.08	\$ 33,082	\$ 7.29	\$ 7,293	\$ 70.40	\$ 70,402	\$ 109.26	\$ 109,256
2	A20	Basement Construction - INC. IN FOUNDATION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	B10	Superstructure	\$ 15.62	\$ 15,622	\$ 13.20	\$ 13,198	\$ 0.46	\$ 460	\$ 29.28	\$ 29,279	\$ 45.44	\$ 45,438
4	B20	Exterior Enclosure	\$ 35.99	\$ 35,992	\$ 29.48	\$ 29,477	\$ -	\$ -	\$ 65.47	\$ 65,469	\$ 101.60	\$ 101,600
5	B30	Roofing	\$ 18.47	\$ 18,471	\$ 8.71	\$ 8,706	\$ -	\$ -	\$ 27.18	\$ 27,176	\$ 42.17	\$ 42,174
6	C10	Interior Construction	\$ 25.57	\$ 25,573	\$ 9.31	\$ 9,308	\$ -	\$ -	\$ 34.88	\$ 34,881	\$ 54.13	\$ 54,131
8	C30	Interior Finishes	\$ 4.48	\$ 4,476	\$ 13.42	\$ 13,424	\$ -	\$ -	\$ 17.90	\$ 17,900	\$ 27.78	\$ 27,778
9	D20	Plumbing Systems	\$ 26.65	\$ 26,655	\$ 16.12	\$ 16,121	\$ -	\$ -	\$ 42.78	\$ 42,776	\$ 66.38	\$ 66,383
10	D30	HVAC	\$ 1.27	\$ 1,269	\$ 1.17	\$ 1,170	\$ -	\$ -	\$ 2.44	\$ 2,438	\$ 3.78	\$ 3,784
11	D50	Electrical	\$ 8.75	\$ 8,753	\$ 9.37	\$ 9,365	\$ -	\$ -	\$ 18.12	\$ 18,118	\$ 28.12	\$ 28,117
12	F20	Selective Building Demolition	\$ 0.46	\$ 463	\$ 1.99	\$ 1,990	\$ 3.86	\$ 3,863	\$ 6.32	\$ 6,315	\$ 9.80	\$ 9,800
13	G10	Site Preparation	\$ 2.19	\$ 2,188	\$ 4.36	\$ 4,362	\$ 6.95	\$ 6,952	\$ 13.50	\$ 13,502	\$ 20.95	\$ 20,953
14	G20	Site Improvements	\$ 8.90	\$ 8,900	\$ 7.30	\$ 7,300	\$ -	\$ -	\$ 16.20	\$ 16,200	\$ 25.14	\$ 25,140
15	G30	Site Mechanical Utilities	\$ 86.21	\$ 86,213	\$ 32.58	\$ 32,582	\$ 44.54	\$ 44,543	\$ 163.34	\$ 163,337	\$ 253.48	\$ 253,479
16	G40	Site Electrical Utilities	\$ 5.00	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5.00	\$ 5,000	\$ 7.76	\$ 7,759
17	XX	General Conditions	\$ 31.90	\$ 31,900	\$ 101.20	\$ 101,200	\$ 18.61	\$ 18,610	\$ 151.71	\$ 151,710	\$ 235.44	\$ 235,435
18	XX		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19	XX		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Subtotal Direct Construction Costs</b>			<b>\$ 301.50</b>	<b>\$ 301,501</b>	<b>\$ 281.28</b>	<b>\$ 281,284</b>	<b>\$ 81.72</b>	<b>\$ 81,720</b>	<b>\$ 664.50</b>	<b>\$ 664,505</b>	<b>\$ 1,031.23</b>	<b>\$ 1,031,229</b>
<b>Total Value of Government Furnished Property (GFP) Inc. in Direct Cost</b>				<b>\$46,000.00</b>		<b>\$ -</b>		<b>\$ -</b>	<b>\$ 46,000</b>	<b>\$ 46,000</b>	<b>In most cases GFP is normally zero - see footnote-</b>	
<b>Direct Cost Subtotal without GFP</b>				<b>\$ 255,501</b>		<b>\$ 281,284</b>		<b>\$ 81,720</b>		<b>\$ 618,505</b>		
Design Contingency			2.00%							\$12,370	<b>Notes &amp; Comments:</b>	
<b>Total Direct Construction Costs</b>										<b>\$676,875</b>	Building only direct cost = \$308.44/sf	
Standard General Conditions			0.00%	Applied to Total Direct Construction Cost less GFP						\$0	Building total NET cost = \$474.28/sf	
Government General Conditions			3.00%	Applied to Total Direct Construction Cost less GFP						\$18,926	<b>GFP Septic King Treatment System</b>	
<b>Subtotal NET Construction Cost</b>										<b>\$695,801</b>	<b>Pre-Purchased by Government = \$46,000</b>	
Overhead			8.50%							\$55,233		
Profit			10.00%							\$64,980		
<b>Estimated NET Construction Cost</b>										<b>\$816,014</b>		
Contracting Method Adjustment			15.00%							\$122,402		
Inflation Escalation			32	Months	Annual Rate =	3.60%				\$92,812		
<b>Total Estimated NET Cost of Construction</b>										<b>\$1,031,229</b>		

GFP costs only apply when the Government pre-purchases items, or provides other materials out of Government inventory, to be installed by contractor. Adjustments and Markup on GFP only include Inflation Escalation; No other adjustment factors or O&P markup have been applied.

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 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **A10 Foundations**

Total Cost: **\$70,402**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>A1010</b>	<b>STANDARD FOUNDATIONS</b>										
31.23.15	Excavate Grade Beam 140'x48", Column footings, overdig 25%, spread spoil onsite	40	CY	\$ -	\$0	\$ 57.78	\$2,311	\$ 13.85	\$554	\$ 71.63	\$2,865
03.15.05	Furnish & Install 6" crushable void form	140	LF	\$ 2.25	\$315	\$ 0.36	\$50	\$ -	\$0	\$ 2.61	\$365
03.11.13	Fabricate & Erect Outside forms	560	SF	\$ -	\$0	\$ 4.14	\$2,318	\$ -	\$0	\$ 4.14	\$2,318
03.21.10	Furnish & Install Steel Reinforcement	3200	LB	\$ 0.66	\$2,112	\$ 3.93	\$12,576	\$ -	\$0	\$ 4.59	\$14,688
03.30.53	Furnish & Pour Concrete 42"x12"	18	CY	\$ 95.50	\$1,719	\$ 25.66	\$462	\$ -	\$0	\$ 121.16	\$2,181
03.30.53	Concrete Waste Factor 10%	1	Allow	\$ 171.90	\$172	\$ -	\$0	\$ -	\$0	\$ 171.90	\$172
03.11.13	Strip, & clean forms	560	SF	\$ -	\$0	\$ 0.52	\$291	\$ -	\$0	\$ 0.52	\$291
03.35.29	Dry Finish top 12"	140	SF	\$ -	\$0	\$ 3.79	\$531	\$ -	\$0	\$ 3.79	\$531
07.27.13	Furnish & Install 2" EPS insulation Board	560	SF	\$ 1.03	\$577	\$ 0.58	\$325	\$ -	\$0	\$ 1.61	\$902
31.23.23	Backfill w/ Hand compact - select import	16	CY	\$ 32.75	\$524	\$ 163.70	\$2,619	\$ 48.50	\$776	\$ 244.95	\$3,919
<b>SUBTOTAL</b>	<b>STANDARD FOUNDATIONS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 5.42</b>	<b>\$5,419</b>	<b>\$ 21.48</b>	<b>\$21,484</b>	<b>\$ 1.33</b>	<b>\$1,330</b>	<b>\$ 28.23</b>	<b>\$28,232</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>A1020</b>	<b>SPECIAL FOUNDATIONS</b>										
03.63.26	Drilled Caisons - 10' OC x 25' -Subcontract	16	EA	\$ 1,120.00	\$17,920	\$ 140.92	\$2,255	\$ 335.00	\$5,360	\$ 1,595.92	\$25,535
31.23.23	Pick up & spread spoil onsite	50	CY	\$ -	\$0	\$ 19.30	\$965	\$ 6.65	\$333	\$ 25.95	\$1,298
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SPECIAL FOUNDATIONS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 17.92</b>	<b>\$17,920</b>	<b>\$ 3.22</b>	<b>\$3,220</b>	<b>\$ 5.69</b>	<b>\$5,693</b>	<b>\$ 26.83</b>	<b>\$26,832</b>

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Summary Item: **A10 Foundations**

Total Cost: **\$70,402**

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				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>A1030</b>	<b>SLAB ON GRADE - 6" Post tentioned</b>										
03.11.13	Edge form Included in std. foundation	0	Unit	\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
31.23.23	F & I Crushed Aggregate Base - 6"	50	Tons	\$ 22.75	\$1,138	\$ 36.82	\$1,841	\$ -	\$0	\$ 59.57	\$2,979
31.23.23	Fine Grade & Install 4" leveling sand	1000	SF	\$ 0.55	\$550	\$ 1.40	\$1,400	\$ -	\$0	\$ 1.95	\$1,950
07.27.13	F & I Rigid EPS and Vapor Barrier	1000	SF	\$ 1.09	\$1,090	\$ 0.58	\$580	\$ -	\$0	\$ 1.67	\$1,670
03.23.05	Furnish & Install Pre-stressing Tendon	1000	SF	\$ 0.78	\$780	\$ 0.47	\$470	\$ -	\$0	\$ 1.25	\$1,250
03.23.05	F & I Supplimental Reinforcing Mesh	1000	SF	\$ 0.30	\$300	\$ 0.36	\$360	\$ -	\$0	\$ 0.66	\$660
03.30.53	Furnish & Pour concrete - Quantity includes 6" topping on grade beam	26	CY	\$ 95.50	\$2,483	\$ 118.56	\$3,083	\$ 6.55	\$170	\$ 220.61	\$5,736
03.35.22	Power trowel finish	1000	SF	\$ -	\$0	\$ 0.58	\$580	\$ 0.10	\$100	\$ 0.68	\$680
03.39.23	Misc. ST&S (cure, etc.)	1	Allow	\$ 100.00	\$100	\$ 65.00	\$65	\$ -	\$0	\$ 165.00	\$165
03.30.53	Concrete Waste Factor 10%	1	LS	\$ 248.30	\$248	\$ -	\$0	\$ -	\$0	\$ 248.30	\$248
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SLAB ON GRADE - 6" Post tentioned</b>	<b>1000</b>	<b>SF</b>	<b>\$ 6.69</b>	<b>\$6,689</b>	<b>\$ 8.38</b>	<b>\$8,379</b>	<b>\$ 0.27</b>	<b>\$270</b>	<b>\$ 15.34</b>	<b>\$15,338</b>

Summary Item: **A10 Foundations**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>A10</b>	<b>Foundations</b>	<b>1000</b>	<b>SF</b>	<b>\$ 30.03</b>	<b>\$30,028</b>	<b>\$ 33.08</b>	<b>\$33,082</b>	<b>\$ 7.29</b>	<b>\$7,293</b>	<b>\$ 70.40</b>	<b>\$70,402</b>

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 Date: 01/12/11  
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 Date: 01/17/11

Summary Item: B10 Superstructure

Total Cost: \$29,279

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				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B1010</b>	<b>FLOOR CONSTRUCTION</b>										
	SEE FOUNDATION - SLAB ON GRADE	0	Unit	\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>FLOOR CONSTRUCTION</b>	<b>1000</b>	<b>SF</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B1020</b>	<b>ROOF CONSTRUCTION</b>										
06.17.53	Furnish & Install Wood Trusses 25' span	36	EA	\$ 151.00	\$5,436	\$ 75.11	\$2,704	\$ 10.00	\$360	\$ 236.11	\$8,500
06.16.36	F&I Plywood sheathing - 5/8 CDX	1960	SF	\$ 0.72	\$1,411	\$ 0.77	\$1,509	\$ -	\$0	\$ 1.49	\$2,920
06.13.23	6x12 Rough Sawn Beams	300	BF	\$ 1.88	\$564	\$ 1.11	\$333	\$ -	\$0	\$ 2.99	\$897
05.12.23	4x4 x 1/4 HSS steel posts w/ Beam Bracket	4	EA	\$ 194.00	\$776	\$ 195.00	\$780	\$ 25.00	\$100	\$ 414.00	\$1,656
06.05.23	Hurricane Clips	72	EA	\$ 5.20	\$374	\$ 2.34	\$168	\$ -	\$0	\$ 7.54	\$543
04.43.10	Stone Veneer on End Columns 24"x24"x8'	320	SF	\$ 20.50	\$6,560	\$ 23.76	\$7,603	\$ -	\$0	\$ 44.26	\$14,163
06.17.53	Temp Bracing & Blocking Allowance	1	LS	\$ 500.00	\$500	\$ 100.00	\$100	\$ -	\$0	\$ 600.00	\$600
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>ROOF CONSTRUCTION</b>	<b>1000</b>	<b>SF</b>	<b>\$ 15.62</b>	<b>\$15,622</b>	<b>\$ 13.20</b>	<b>\$13,198</b>	<b>\$ 0.46</b>	<b>\$460</b>	<b>\$ 29.28</b>	<b>\$29,279</b>

Summary Item: B10 Superstructure

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B10</b>	<b>Superstructure</b>	<b>1000</b>	<b>SF</b>	<b>\$ 15.62</b>	<b>\$15,622</b>	<b>\$ 13.20</b>	<b>\$13,198</b>	<b>\$ 0.46</b>	<b>\$460</b>	<b>\$ 29.28</b>	<b>\$29,279</b>



United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **B20 Exterior Enclosure**

Total Cost: \$65,469

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B2010</b>	<b>EXTERIOR WALLS</b>										
06.11.10	2"x6"x8' studwall , 16" OC	140	LF	\$ 3.72	\$521	\$ 7.96	\$1,114	\$ -	\$0	\$ 11.68	\$1,635
06.16.36	Exterior Sheating 1/2" CDX Plywood	1120	SF	\$ 0.78	\$874	\$ 0.88	\$986	\$ -	\$0	\$ 1.66	\$1,859
06.11.01	Headers, Blocking, Bracing, & Bridging	1	LS	\$ 500.00	\$500	\$ 500.00	\$500	\$ -	\$0	\$ 1,000.00	\$1,000
07.21.16	R-21 Batt Insullation	1120	SF	\$ 1.24	\$1,389	\$ 0.41	\$459	\$ -	\$0	\$ 1.65	\$1,848
07.46.23	Vertical B&B Rough Sawn Cedar Siding	450	SF	\$ 5.62	\$2,529	\$ 1.57	\$707	\$ -	\$0	\$ 7.19	\$3,236
04.43.10	Stone Wainscot	560	SF	\$ 20.50	\$11,480	\$ 23.76	\$13,306	\$ -	\$0	\$ 44.26	\$24,786
04.72.10	Precast Wall Coping	130	LF	\$ 13.20	\$1,716	\$ 10.24	\$1,331	\$ -	\$0	\$ 23.44	\$3,047
06.11.10	2"x4"x4' Privacy Panel framing	40	LF	\$ 1.70	\$68	\$ 7.96	\$318	\$ -	\$0	\$ 9.66	\$386
06.16.36	2"x4"x4' Privacy Panel Sheating 1/2" CDX Plywood - 2 sides	320	SF	\$ 0.78	\$250	\$ 0.88	\$282	\$ -	\$0	\$ 1.66	\$531
07.25.10	Building Wrap	1120	SF	\$ 0.32	\$358	\$ 0.18	\$202	\$ -	\$0	\$ 0.50	\$560
<b>SUBTOTAL</b>	<b>EXTERIOR WALLS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 19.68</b>	<b>\$19,684</b>	<b>\$ 19.20</b>	<b>\$19,204</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 38.89</b>	<b>\$38,888</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B2020</b>	<b>EXTERIOR WINDOWS</b>										
08.52.10	Wood Awning Windows, 34"x22", Dbl. pane, extra width sill, pre-finished custom color	16	EA	\$ 416.00	\$6,656	\$ 220.48	\$3,528	\$ -	\$0	\$ 636.48	\$10,184
06.22.13	Interior and Exterior trim packages	16	ea	\$ 92.00	\$1,472	\$ 162.24	\$2,596	\$ -	\$0	\$ 254.24	\$4,068
<b>SUBTOTAL</b>	<b>EXTERIOR WINDOWS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 8.13</b>	<b>\$8,128</b>	<b>\$ 6.12</b>	<b>\$6,124</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 14.25</b>	<b>\$14,252</b>



United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: B20 Exterior Enclosure

Total Cost: \$65,469

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B2030</b>	<b>EXTERIOR DOORS</b>										
08.12.13	Hollow Metal Door Frames, 14 Ga., 8-3/4 deep, 7-0x3-6	5	EA	\$ 356.00	\$1,780	\$ 117.10	\$586	\$ -	\$0	\$ 473.10	\$2,366
08.13.13.	Hollow metal Door, Insulated 1-3/4 thick full panel, 18 ga., 7-0x3-6	5	EA	\$ 670.00	\$3,350	\$ 88.82	\$444	\$ -	\$0	\$ 758.82	\$3,794
08.71.20	Door Closer Heavy duty top jamb mount	5	EA	\$ 274.00	\$1,370	\$ 549.12	\$2,746	\$ -	\$0	\$ 823.12	\$4,116
08.71.20	Door hardware, deadbolt, lock set, etc.	5	EA	\$ 336.00	\$1,680	\$ 74.88	\$374	\$ -	\$0	\$ 410.88	\$2,054
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>EXTERIOR DOORS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 8.18</b>	<b>\$8,180</b>	<b>\$ 4.15</b>	<b>\$4,150</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 12.33</b>	<b>\$12,330</b>

Summary Item: B20 Exterior Enclosure

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B20</b>	<b>Exterior Enclosure</b>	<b>1000</b>	<b>SF</b>	<b>\$ 35.99</b>	<b>\$35,992</b>	<b>\$ 29.48</b>	<b>\$29,477</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 65.47</b>	<b>\$65,469</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: B30 Roofing

Total Cost: \$27,176

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B3010</b>	<b>ROOF COVERINGS</b>										
07.41.13	22 Ga. Raised seam steel roof - standard finish	1960	SF	\$ 7.85	\$15,386	\$ 3.04	\$5,958	\$ -	\$0	\$ 10.89	\$21,344
07.41.13	Roof Ridge Cap	70	LF	\$ 4.95	\$347	\$ 4.99	\$349	\$ -	\$0	\$ 9.94	\$696
07.65.23	Ice And Water Shield - 3' at all edges	500	SF	\$ 2.92	\$1,460	\$ 1.82	\$910	\$ -	\$0	\$ 4.74	\$2,370
07.65.23	Flashing allowance	1	LS	\$ 500.00	\$500	\$ 150.00	\$150	\$ -	\$0	\$ 650.00	\$650
07.71.23	5' Galvanized Gutters	140	LF	\$ 2.10	\$294	\$ 6.19	\$867	\$ -	\$0	\$ 8.29	\$1,161
07.71.23	Downspouts	56	LF	\$ 2.65	\$148	\$ 4.12	\$231	\$ -	\$0	\$ 6.77	\$379
07.71.23	Downspout Elbows	12	EA	\$ 7.15	\$86	\$ 7.55	\$91	\$ -	\$0	\$ 14.70	\$176
23.34.23	Roof Jacks at Plumbing penetrations	1	Allow	\$ 250.00	\$250	\$ 150.00	\$150	\$ -	\$0	\$ 400.00	\$400
<b>SUBTOTAL</b>	<b>ROOF COVERINGS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 18.47</b>	<b>\$18,471</b>	<b>\$ 8.71</b>	<b>\$8,706</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 27.18</b>	<b>\$27,176</b>

Summary Item: B30 Roofing

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>B30</b>	<b>Roofing</b>	<b>1000</b>	<b>SF</b>	<b>\$ 18.47</b>	<b>\$18,471</b>	<b>\$ 8.71</b>	<b>\$8,706</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 27.18</b>	<b>\$27,176</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: C10 Interior Construction

Total Cost: \$34,881

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>C1010</b>	<b>INTERIOR PARTITIONS</b>										
09.29.1	5/8" Gypsum; Mold resistant; on inside of exterior walls; Level 5 tape & skim coat	1120	SF	\$ 0.82	\$918	\$ 1.65	\$1,848	\$ -	\$0	\$ 2.47	\$2,766
06.11.10	Interior partition framing - 2x4 x8' @ 16" O.C., single bottom & double top plate	40	LF	\$ 3.11	\$124	\$ 10.66	\$426	\$ -	\$0	\$ 13.77	\$551
06.11.10	Add Pressure Treated Bottom Plate 2x4	40	LF	\$ 0.86	\$34	\$ 1.32	\$53	\$ -	\$0	\$ 2.18	\$87
09.29.10	5/8" Gypsum; Mold resistant; on finish side of interior partions; Level 5 tape & skim coat	320	SF	\$ 0.82	\$262	\$ 1.65	\$528	\$ -	\$0	\$ 2.47	\$790
06.22.13	Wood Base Molding	156	LF	\$ 2.85	\$445	\$ 3.20	\$499	\$ -	\$0	\$ 6.05	\$944
06.22.13	Wood Rail Molding	140	LF	\$ 1.89	\$264	\$ 2.36	\$331	\$ -	\$0	\$ 4.25	\$595
<b>SUBTOTAL</b>	<b>INTERIOR PARTITIONS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 2.05</b>	<b>\$2,048</b>	<b>\$ 3.68</b>	<b>\$3,685</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 5.73</b>	<b>\$5,733</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>C1030</b>	<b>FITTINGS</b>										
10.21.13	Toilet Partitions F&C dual hung, Stainless Steel	5	EA	\$ 2,151.39	\$10,757	\$ 255.36	\$1,277	\$ -	\$0	\$ 2,406.75	\$12,034
10.21.13	Handicap Addition	2	EA	\$ 404.89	\$810	\$ -	\$0	\$ -	\$0	\$ 404.89	\$810
10.21.13	Unrinal Screens, Floor mounted, Stainless Stl.	2	EA	\$ 815.00	\$1,630	\$ 210.00	\$420	\$ -	\$0	\$ 1,025.00	\$2,050
10.21.13	Entrance Screens	2	EA	\$ 1,180.00	\$2,360	\$ 88.00	\$176	\$ -	\$0	\$ 1,268.00	\$2,536
05.50.00	Fabricated Metal counter supports	2	Allow	\$ 450.00	\$900	\$ 265.00	\$530	\$ -	\$0	\$ 715.00	\$1,430
12.36.61	Engineered Stone/Concrete Counter top	16	LF	\$ 98.00	\$1,568	\$ 115.00	\$1,840	\$ -	\$0	\$ 213.00	\$3,408
10.28.13	Toilet Accessories	1	Allow	\$ 5,500.00	\$5,500	\$ 1,380.00	\$1,380	\$ -	\$0	\$ 6,880.00	\$6,880
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>FITTINGS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 23.52</b>	<b>\$23,525</b>	<b>\$ 5.62</b>	<b>\$5,623</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 29.15</b>	<b>\$29,148</b>

Summary Item: C10 Interior Construction

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>C10</b>	<b>Interior Construction</b>	<b>1000</b>	<b>SF</b>	<b>\$ 25.57</b>	<b>\$25,573</b>	<b>\$ 9.31</b>	<b>\$9,308</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 34.88</b>	<b>\$34,881</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **C30 Interior Finishes**

Total Cost: **\$17,900**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>C3010</b>	<b>WALL FINISHES</b>										
09.96.56	Epoxy Wall Coating, High Build 50 mil	1280	SF	\$ 1.48	\$1,894	\$ 4.20	\$5,376	\$ -	\$0	\$ 5.68	\$7,270
09.91.23	Miscellaneous Interior paint	1280	SF	\$ 0.15	\$192	\$ -	\$0	\$ -	\$0	\$ 0.15	\$192
09.91.23	Interior Trim Painting	650	LF	\$ 0.16	\$104	\$ 1.75	\$1,138	\$ -	\$0	\$ 1.91	\$1,242
09.91.23	Interior Window Casing Painting	16	EA	\$ 2.85	\$46	\$ 60.00	\$960	\$ -	\$0	\$ 62.85	\$1,006
<b>SUBTOTAL</b>	<b>WALL FINISHES</b>	<b>1000</b>	<b>SF</b>	<b>\$ 2.24</b>	<b>\$2,236</b>	<b>\$ 7.47</b>	<b>\$7,474</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 9.71</b>	<b>\$9,710</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>C3020</b>	<b>FLOOR FINISHES</b>										
03.35.29	2 Coat Wpoxy Floor finish	1000	SF	\$ 0.32	\$320	\$ 0.85	\$850	\$ -	\$0	\$ 1.17	\$1,170
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>FLOOR FINISHES</b>	<b>1000</b>	<b>SF</b>	<b>\$ 0.32</b>	<b>\$320</b>	<b>\$ 0.85</b>	<b>\$850</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 1.17</b>	<b>\$1,170</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>C3030</b>	<b>CEILING FINISHES</b>										
09.29.10	5/8" Mold resistant Gypsum Drywall	1000	SF	\$ 0.82	\$820	\$ 2.85	\$2,850	\$ -	\$0	\$ 3.67	\$3,670
09.22.36	Ceiling Lath	1000	SF	\$ 0.72	\$720	\$ 1.15	\$1,150	\$ -	\$0	\$ 1.87	\$1,870
09.91.23	Paint Ceiling, Latex primer, 2 coats	1000	SF	\$ 0.38	\$380	\$ 1.10	\$1,100	\$ -	\$0	\$ 1.48	\$1,480
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>CEILING FINISHES</b>	<b>1000</b>	<b>SF</b>	<b>\$ 1.92</b>	<b>\$1,920</b>	<b>\$ 5.10</b>	<b>\$5,100</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 7.02</b>	<b>\$7,020</b>

Summary Item: **C30 Interior Finishes**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>C30</b>	<b>Interior Finishes</b>	<b>1000</b>	<b>SF</b>	<b>\$ 4.48</b>	<b>\$4,476</b>	<b>\$ 13.42</b>	<b>\$13,424</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 17.90</b>	<b>\$17,900</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **D20 Plumbing Systems**

Total Cost: **\$42,776**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D2010</b>	<b>PLUMBING FIXTURES</b>										
22.42.13	F&I Urinals, Waterless	2	EA	\$ 510.00	\$1,020	\$ 72.00	\$144	\$ -	\$0	\$ 582.00	\$1,164
22.42.13	Rough-in Urinals	2	EA	\$ 305.00	\$610	\$ 372.48	\$745	\$ -	\$0	\$ 677.48	\$1,355
22.42.13	F&I Water Closets	5	EA	\$ 640.00	\$3,200	\$ 240.00	\$1,200	\$ -	\$0	\$ 880.00	\$4,400
22.42.13	Rough-in Water Closets	5	EA	\$ 1,306.25	\$6,531	\$ 390.67	\$1,953	\$ -	\$0	\$ 1,696.92	\$8,485
22.41.16	F&I Vanity Sinks, Self Rimming SS	5	EA	\$ 460.00	\$2,300	\$ 225.00	\$1,125	\$ -	\$0	\$ 685.00	\$3,425
22.41.16	Rough-in F&I Vanity Sinks	5	EA	\$ 332.64	\$1,663	\$ 624.00	\$3,120	\$ -	\$0	\$ 956.64	\$4,783
22.42.39	Faucets, Automatic Sensor	5	EA	\$ 488.00	\$2,440	\$ 130.00	\$650	\$ -	\$0	\$ 618.00	\$3,090
22.42.16	Service floor sink	1	EA	\$ 920.00	\$920	\$ 325.00	\$325	\$ -	\$0	\$ 1,245.00	\$1,245
22.42.16	Rough-in Floor sink	1	EA	\$ 115.00	\$115	\$ 880.00	\$880	\$ -	\$0	\$ 995.00	\$995
<b>SUBTOTAL</b>	<b>PLUMBING FIXTURES</b>	<b>1000</b>	<b>SF</b>	<b>\$ 18.80</b>	<b>\$18,799</b>	<b>\$ 10.14</b>	<b>\$10,142</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 28.94</b>	<b>\$28,942</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D2020</b>	<b>DOMESTIC WATER DISTRIBUTION</b>										
22.11.13	Additional 1" water Distribution Pipe	160	LF	\$ 8.18	\$1,309	\$ 11.70	\$1,872	\$ -	\$0	\$ 19.88	\$3,181
22.11.13	Fitting Allowance 10%	1	Allow	\$ 130.88	\$131	\$ -	\$0	\$ -	\$0	\$ 130.88	\$131
22.34.36	Water Heater	1	EA	\$ 2,609.89	\$2,610	\$ 570.24	\$570	\$ -	\$0	\$ 3,180.13	\$3,180
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>DOMESTIC WATER DISTRIBUTION</b>	<b>1000</b>	<b>SF</b>	<b>\$ 4.05</b>	<b>\$4,050</b>	<b>\$ 2.44</b>	<b>\$2,442</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 6.49</b>	<b>\$6,492</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **D20 Plumbing Systems**

Total Cost: **\$42,776**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D2030</b>	<b>SANITARY WASTE</b>										
22.13.16	4" Waste Collection Trunk line	80	LF	\$ 17.92	\$1,433	\$ 26.21	\$2,097	\$ -	\$0	\$ 44.12	\$3,530
22.13.16	Floor drains	4	EA	\$ 349.87	\$1,399	\$ 120.00	\$480	\$ -	\$0	\$ 469.87	\$1,879
22.13.15	2" Waste Collection to Floor Drains	40	LF	\$ 13.83	\$553	\$ 24.00	\$960	\$ -	\$0	\$ 37.83	\$1,513
22.13.16	Fitting Allowance 10%	1	Allow	\$ 419.77	\$420	\$ -	\$0	\$ -	\$0	\$ 419.77	\$420
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SANITARY WASTE</b>	<b>1000</b>	<b>SF</b>	<b>\$ 3.81</b>	<b>\$3,806</b>	<b>\$ 3.54</b>	<b>\$3,537</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 7.34</b>	<b>\$7,342</b>

Summary Item: **D20 Plumbing Systems**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D20</b>	<b>Plumbing Systems</b>	<b>1000</b>	<b>SF</b>	<b>\$ 26.65</b>	<b>\$26,655</b>	<b>\$ 16.12</b>	<b>\$16,121</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 42.78</b>	<b>\$42,776</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: D30 HVAC

Total Cost: \$2,438

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D3040</b>	<b>DISTRIBUTION SYSTEMS (HVAC)</b>										
23.31.13	Ductwork	80	Lbs	\$ 0.66	\$53	\$ 8.99	\$719	\$ -	\$0	\$ 9.65	\$772
23.34.14	210 CFM Exhaust Blowers	2	EA	\$ 402.06	\$804	\$ 91.20	\$182	\$ -	\$0	\$ 493.26	\$987
32.37.13	Intlet Grilles	2	EA	\$ 46.55	\$93	\$ 42.24	\$84	\$ -	\$0	\$ 88.79	\$178
36.37.15	Exhaust Louvers	2	EA	\$ 59.25	\$119	\$ 26.98	\$54	\$ -	\$0	\$ 86.23	\$172
23.19.33	Exhaust Controls	2	EA	\$ 100.00	\$200	\$ 65.00	\$130	\$ -	\$0	\$ 165.00	\$330
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>DISTRIBUTION SYSTEMS (HVAC)</b>	<b>1000</b>	<b>SF</b>	<b>\$ 1.27</b>	<b>\$1,269</b>	<b>\$ 1.17</b>	<b>\$1,170</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 2.44</b>	<b>\$2,438</b>

Summary Item: D30 HVAC

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D30</b>	<b>HVAC</b>	<b>1000</b>	<b>SF</b>	<b>\$ 1.27</b>	<b>\$1,269</b>	<b>\$ 1.17</b>	<b>\$1,170</b>	<b>0</b>	<b>\$0</b>	<b>\$ 2.44</b>	<b>\$2,438</b>



United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: D50 Electrical

Total Cost: \$18,118

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D5010</b>	<b>ELECTRICAL SERVICE &amp; DISTRIBUTION</b>										
26.24.16	1phz. 225 Amp, 120/208V, Service Panel & feeders	1	EA	\$ 1,551.83	\$1,552	\$ 2,736.00	\$2,736	\$ -	\$0	\$ 4,287.83	\$4,288
<b>SUBTOTAL</b>	<b>DISTRIBUTION</b>	<b>1000</b>	<b>SF</b>	<b>\$ 1.55</b>	<b>\$1,552</b>	<b>\$ 2.74</b>	<b>\$2,736</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 4.29</b>	<b>\$4,288</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D5020</b>	<b>LIGHTING &amp; BRANCH WIRING</b>										
26.51.13	Energy Saving Fluorescent lighting fixtures	8	EA	\$ 349.13	\$2,793	\$ 235.00	\$1,880	\$ -	\$0	\$ 584.13	\$4,673
26.51.13	Utility Chase lighting Fixtures	2	EA	\$ 160.00	\$320	\$ 235.00	\$470	\$ -	\$0	\$ 395.00	\$790
26.05.90	Receptacles GFCI	15	EA	\$ 64.19	\$963	\$ 70.08	\$1,051	\$ -	\$0	\$ 134.27	\$2,014
26.05.90	Switches	3	EA	\$ 38.87	\$117	\$ 52.80	\$158	\$ -	\$0	\$ 91.67	\$275
23.05.19	230V wiring to septic system	1	Allow	\$ 800.00	\$800	\$ 350.00	\$350	\$ -	\$0	\$ 1,150.00	\$1,150
26.05.80	Wire Up Septic system	1	EA	\$ 45.00	\$45	\$ 220.00	\$220	\$ -	\$0	\$ 265.00	\$265
26.05.19	Additional Building Wiring	1	Allow	\$ 500.00	\$500	\$ 350.00	\$350	\$ -	\$0	\$ 850.00	\$850
<b>SUBTOTAL</b>	<b>LIGHTING &amp; BRANCH WIRING</b>	<b>1000</b>	<b>SF</b>	<b>\$ 5.54</b>	<b>\$5,538</b>	<b>\$ 4.48</b>	<b>\$4,480</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 10.02</b>	<b>\$10,017</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D5090</b>	<b>OTHER ELECTRICAL SYSTEMS</b>										
23.83.33	Baseboard Heaters for shoulder season	10	Ea	\$ 126.78	\$1,268	\$ 188.16	\$1,882	\$ -	\$0	\$ 314.94	\$3,149
23.83.33	Wall thermostat	3	Ea	\$ 106.98	\$321	\$ 67.00	\$201	\$ -	\$0	\$ 173.98	\$522
26.05.19	Wiring allowance	1	Allow	\$ 75.00	\$75	\$ 67.00	\$67	\$ -	\$0	\$ 142.00	\$142
<b>SUBTOTAL</b>	<b>OTHER ELECTRICAL SYSTEMS</b>	<b>1000</b>	<b>SF</b>	<b>\$ 1.66</b>	<b>\$1,664</b>	<b>\$ 2.15</b>	<b>\$2,150</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 3.81</b>	<b>\$3,813</b>

Summary Item: D50 Electrical

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>D50</b>	<b>Electrical</b>	<b>1000</b>	<b>SF</b>	<b>\$ 8.75</b>	<b>\$8,753</b>	<b>\$ 9.37</b>	<b>\$9,365</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 18.12</b>	<b>\$18,118</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **F20 Selective Building Demolition**

Total Cost: **\$6,315**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>F2010</b>	<b>BUILDING ELEMENTS DEMOLITION</b>										
02.41.19	Demo structures- haul to dump;	1	Day	\$ -	\$0	\$ 1,650.00	\$1,650	\$ 3,250.00	\$3,250	\$ 4,900.00	\$4,900
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>BUILDING ELEMENTS DEMOLITION</b>	<b>1000</b>	<b>SF</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 1.65</b>	<b>\$1,650</b>	<b>\$ 3.25</b>	<b>\$3,250</b>	<b>\$ 4.90</b>	<b>\$4,900</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>F2020</b>	<b>HAZARDOUS COMPONENTS ABATEMENT</b>										
02.81.20	Pump & Flush Existing pit toilets	1	LS	\$ -	\$0	\$ 165.00	\$165	\$ 375.00	\$375	\$ 540.00	\$540
31.23.23	Import & Backfill pits	50	CY	\$ 9.25	\$463	\$ 3.50	\$175	\$ 4.75	\$238	\$ 17.50	\$875
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>ABATEMENT</b>	<b>1000</b>	<b>SF</b>	<b>\$ 0.46</b>	<b>\$463</b>	<b>\$ 0.34</b>	<b>\$340</b>	<b>\$ 0.61</b>	<b>\$613</b>	<b>\$ 1.42</b>	<b>\$1,415</b>

Summary Item: **F20 Selective Building Demolition**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>F20</b>	<b>Selective Building Demolition</b>	<b>1000</b>	<b>SF</b>	<b>\$ 0.46</b>	<b>\$463</b>	<b>\$ 1.99</b>	<b>\$1,990</b>	<b>\$ 3.86</b>	<b>\$3,863</b>	<b>\$ 6.32</b>	<b>\$6,315</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **G10 Site Preparation**

Total Cost: **\$13,502**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G1010</b>	<b>SITE CLEARING</b>										
31.13.13	Brush Mowing for Building Pad Area	1	Acre	\$ -	\$0	\$ 452.64	\$453	\$ 265.32	\$265	\$ 717.96	\$718
31.13.13	Selective Tree Removal	3	Ea	\$ -	\$0	\$ 178.75	\$536	\$ 154.44	\$463	\$ 333.19	\$1,000
31.13.13	Stump Removal	3	Ea	\$ -	\$0	\$ 36.22	\$109	\$ 94.38	\$283	\$ 130.60	\$392
31.14.13	Strip & Stockpile Topsoil	1000	CY	\$ -	\$0	\$ 0.79	\$787	\$ 1.37	\$1,373	\$ 2.16	\$2,160
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SITE CLEARING</b>	<b>1000</b>	<b>SF</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 1.88</b>	<b>\$1,885</b>	<b>\$ 2.38</b>	<b>\$2,385</b>	<b>\$ 4.27</b>	<b>\$4,269</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G1030</b>	<b>SITE EARTHWORK</b>										
31.23.23	Imported fill for building Pad	250	CY	\$ 8.75	\$2,188	\$ 4.55	\$1,138	\$ 6.55	\$1,638	\$ 19.85	\$4,963
31.23.16	Onsite Cut to fill	500	CY	\$ -	\$0	\$ 1.25	\$625	\$ 3.55	\$1,775	\$ 4.80	\$2,400
31.22.16	Fine Grade Building Pad	2000	SF	\$ -	\$0	\$ 0.12	\$240	\$ 0.24	\$480	\$ 0.36	\$720
31.22.16	Clean-up and Fine Grade around Building	5000	SF	\$ -	\$0	\$ 0.07	\$350	\$ 0.10	\$500	\$ 0.17	\$850
31.23.23	Backfill & Compact existing pits	50	CY	\$ -	\$0	\$ 2.50	\$125	\$ 3.50	\$175	\$ 6.00	\$300
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SITE EARTHWORK</b>	<b>1000</b>	<b>SF</b>	<b>\$ 2.19</b>	<b>\$2,188</b>	<b>\$ 2.48</b>	<b>\$2,478</b>	<b>\$ 4.57</b>	<b>\$4,568</b>	<b>\$ 9.23</b>	<b>\$9,233</b>

Summary Item: **G10 Site Preparation**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G10</b>	<b>Site Preparation</b>	<b>1000</b>	<b>SF</b>	<b>\$ 2.19</b>	<b>\$2,188</b>	<b>\$ 4.36</b>	<b>\$4,362</b>	<b>\$ 6.95</b>	<b>\$6,952</b>	<b>\$ 13.50</b>	<b>\$13,502</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: G20 Site Improvements

Total Cost: \$16,200

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G2030</b>	<b>PEDESTRIAN PAVING</b>										
32 06 10	Concrete Flatwork at Building	2000	SF	\$ 4.45	\$8,900	\$ 3.65	\$7,300	\$ -	\$0	\$ 8.10	\$16,200
				\$ -	\$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
<b>SUBTOTAL</b>	<b>PEDESTRIAN PAVING</b>	<b>1000</b>	<b>SF</b>	<b>\$ 8.90</b>	<b>\$8,900</b>	<b>\$ 7.30</b>	<b>\$7,300</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 16.20</b>	<b>\$16,200</b>

Summary Item: G20 Site Improvements

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G20</b>	<b>Site Improvements</b>	<b>1000</b>	<b>SF</b>	<b>\$ 8.90</b>	<b>\$8,900</b>	<b>\$ 7.30</b>	<b>\$7,300</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 16.20</b>	<b>\$16,200</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **G30 Site Mechanical Utilities**

Total Cost: **\$163,337**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G3010</b>	<b>WATER SUPPLY</b>										
33.21.13	Drill water well	1200	VLF		\$0	\$ 14.39	\$17,265	\$ 31.68	\$38,016	\$ 46.07	\$55,281
33.21.13	Install 8" Casing	1200	VLF	\$ 22.50	\$27,000	\$ 2.50	\$3,000	\$ 0.75	\$900	\$ 25.75	\$30,900
33.21.13	Install 2" Well pump	1	EA	\$ 641.89	\$642	\$ 150.00	\$150	\$ 100.00	\$100	\$ 891.89	\$892
33.21.13	2" HDPE pump riser	1200	VLF	\$ 3.50	\$4,200	\$ -	\$0	\$ -	\$0	\$ 3.50	\$4,200
22.11.13	2" Supply Line to building	150	LF	\$ 3.50	\$525	\$ 2.50	\$375	\$ 4.00	\$600	\$ 10.00	\$1,500
22.11.19	Pressure equilization tank in Building	1	Ea	\$ 250.00	\$250	\$ 100.00	\$100	\$ 50.00	\$50	\$ 400.00	\$400
33.21.13	Pump control system with alarm	1	Allow	\$ 250.00	\$250	\$ 100.00	\$100	\$ 50.00	\$50	\$ 400.00	\$400
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>WATER SUPPLY</b>	<b>1000</b>	<b>SF</b>	<b>\$ 32.87</b>	<b>\$32,867</b>	<b>\$ 20.99</b>	<b>\$20,990</b>	<b>\$ 39.72</b>	<b>\$39,716</b>	<b>\$ 93.57</b>	<b>\$93,572</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G3020</b>	<b>SANITARY SEWER</b>										
33.36.13	Install Septic King Tank & Treatment system	1	LS	\$ 46,000.00	\$46,000	\$ 4,500.00	\$4,500	\$ 2,500.00	\$2,500	\$ 53,000.00	\$53,000
33.36.13	Excavate Leach Field	90	CY		\$0	\$ 11.20	\$1,008	\$ 3.80	\$342	\$ 15.00	\$1,350
33.36.13	Install Leach Field Chamber System	16	EA	\$ 395.00	\$6,320	\$ 265.00	\$4,240	\$ 72.50	\$1,160	\$ 732.50	\$11,720
33.36.13	Backfill with Drain Rock	25	Tons	\$ 23.50	\$588	\$ 19.50	\$488	\$ 8.50	\$213	\$ 51.50	\$1,288
33.36.13	Common Backfill Leach Field Mound	90	CY	\$ -	\$0	\$ 11.20	\$1,008	\$ 3.80	\$342	\$ 15.00	\$1,350
36.31.13	Sewer outfall from building	75	LF	\$ 5.85	\$439	\$ 4.65	\$349	\$ 3.60	\$270	\$ 14.10	\$1,058
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SANITARY SEWER</b>	<b>1000</b>	<b>SF</b>	<b>\$ 53.35</b>	<b>\$53,346</b>	<b>\$ 11.59</b>	<b>\$11,592</b>	<b>\$ 4.83</b>	<b>\$4,827</b>	<b>\$ 69.77</b>	<b>\$69,765</b>

Summary Item: **G30 Site Mechanical Utilities**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G30</b>	<b>Site Mechanical Utilities</b>	<b>1000</b>	<b>SF</b>	<b>\$ 86.21</b>	<b>\$86,213</b>	<b>\$ 32.58</b>	<b>\$32,582</b>	<b>44.5425</b>	<b>\$44,543</b>	<b>\$ 163.34</b>	<b>\$163,337</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **G40 Site Electrical Utilities**

Total Cost: **\$5,000**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G4010</b>	<b>ELECTRICAL DISTRIBUTION</b>										
33.71.19	Electrical Service Drop by utility company	1	LS	\$ 2,500.00	\$2,500	\$ -	\$0	\$ -	\$0	\$ 2,500.00	\$2,500
33.71.19	Transformer & Main disconnect	1	EA	\$ 2,500.00	\$2,500	\$ -	\$0	\$ -	\$0	\$ 2,500.00	\$2,500
				\$ -	\$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
<b>SUBTOTAL</b>	<b>ELECTRICAL DISTRIBUTION</b>	<b>1000</b>	<b>SF</b>	<b>\$ 5.00</b>	<b>\$5,000</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 5.00</b>	<b>\$5,000</b>

Summary Item: **G40 Site Electrical Utilities**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G40</b>	<b>Site Electrical Utilities</b>	<b>1000</b>	<b>SF</b>	<b>\$ 5.00</b>	<b>\$5,000</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 5.00</b>	<b>\$5,000</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **XX General Conditions**

**Total Cost: \$151,710**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 31</b>	<b>Project Management &amp; Coordination</b>										
01.31.13	Project Superintendent	20	Weeks	\$ -	\$0	\$ 2,500.00	\$50,000	\$ -	\$0	\$ 2,500.00	\$50,000
01.31.13	Project Manager - Half Time	18	Weeks	\$ -	\$0	\$ 750.00	\$13,500	\$ -	\$0	\$ 750.00	\$13,500
01.31.13	General Pupose Laborer - Part Time	15	Weeks	\$ -	\$0	\$ 1,500.00	\$22,500	\$ -	\$0	\$ 1,500.00	\$22,500
01.31.13	Builders Risk Insurance	1	LS	\$ 3,500.00	\$3,500	\$ -	\$0	\$ -	\$0	\$ 3,500.00	\$3,500
01.31.13	General Liabiity Insurance	1	LS	\$ 2,000.00	\$2,000	\$ -	\$0	\$ -	\$0	\$ 2,000.00	\$2,000
01.31.13	Payment & Performance Bond 1.5%	1	Unit	\$ 15,000.00	\$15,000	\$ -	\$0	\$ -	\$0	\$ 15,000.00	\$15,000
01.31.xx	Labor down time due to payroll interviews	1	LS	\$ -	\$0	\$ 3,500.00	\$3,500	\$ -	\$0	\$ 3,500.00	\$3,500
01.31.xx	Certified Payrol Costs	0	Unit	\$ -	\$0	\$ 500.00	\$0	\$ -	\$0	\$ 500.00	\$0
<b>SUBTOTAL</b>	<b>Project Management &amp; Coordination</b>	<b>1000</b>	<b>SF</b>	<b>\$ 20.50</b>	<b>\$20,500</b>	<b>\$ 89.50</b>	<b>\$89,500</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 110.00</b>	<b>\$110,000</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 32</b>	<b>Scheduling &amp; Documentation</b>										
01.32.13	Prepare Initial Schedule	1	LS	\$ -	\$0	\$ 3,000.00	\$3,000	\$ -	\$0	\$ 3,000.00	\$3,000
01.32.13	Schedule Updates	13	EA	\$ -	\$0	\$ 250.00	\$3,250	\$ -	\$0	\$ 250.00	\$3,250
01.32.13	Schedule Printing & Reproduction	1	Allow	\$ 300.00	\$300	\$ -	\$0	\$ -	\$0	\$ 300.00	\$300
01.50.00	Prepare SWMPP	1	LS	\$ 50.00	\$50	\$ 1,500.00	\$1,500	\$ -	\$0	\$ 1,550.00	\$1,550
<b>SUBTOTAL</b>	<b>Scheduling &amp; Documentation</b>	<b>1000</b>	<b>SF</b>	<b>\$ 0.35</b>	<b>\$350</b>	<b>\$ 7.75</b>	<b>\$7,750</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 8.10</b>	<b>\$8,100</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 45</b>	<b>Quality control</b>										
01.45.23	Concrete Testing	5	EA	\$ 150.00	\$750	\$ -	\$0	\$ -	\$0	\$ 150.00	\$750
01.45.23	Compaction Testing	10	EA	\$ 75.00	\$750	\$ -	\$0	\$ -	\$0	\$ 75.00	\$750
01.45.23	Other Testing	1	LS	\$ 500.00	\$500	\$ -	\$0	\$ -	\$0	\$ 500.00	\$500
01.40.00	Special Inspections	1	Allow	\$ -	\$0	\$ 1,500.00	\$1,500	\$ -	\$0	\$ 1,500.00	\$1,500
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>Quality control</b>	<b>1000</b>	<b>SF</b>	<b>\$ 2.00</b>	<b>\$2,000</b>	<b>\$ 1.50</b>	<b>\$1,500</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 3.50</b>	<b>\$3,500</b>



United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **XX General Conditions**

**Total Cost: \$151,710**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 51</b>	<b>Temporary Utilites</b>										
01.51.13	Install Temporary Power	1	LS	\$ 500.00	\$500	\$ -	\$0	\$ -	\$0	\$ 500.00	\$500
01.51.13	Temporary Electricity	7	Month	\$ 150.00	\$1,050	\$ -	\$0	\$ -	\$0	\$ 150.00	\$1,050
01.51.13	Chemical Toilets	12	Ea-Mo.	\$ 175.00	\$2,100	\$ -	\$0	\$ -	\$0	\$ 175.00	\$2,100
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>Temporary Utilites</b>	<b>1000</b>	<b>SF</b>	<b>\$ 3.65</b>	<b>\$3,650</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 3.65</b>	<b>\$3,650</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 52</b>	<b>Construction Facilities</b>										
01.52.13	Office Trailer Set Up	1	LS	\$ -	\$0	\$ 1,200.00	\$1,200	\$ 300.00	\$300	\$ 1,500.00	\$1,500
01.52.13	Trailer Rental	7	Month	\$ -	\$0	\$ -	\$0	\$ 380.00	\$2,660	\$ 380.00	\$2,660
01.52.13	Storage Bin Rental	15	Ea-Mo	\$ -	\$0	\$ -	\$0	\$ 75.00	\$1,125	\$ 75.00	\$1,125
01.52.13	Temporary Fence	300	LF	\$ -	\$0	\$ -	\$0	\$ 6.50	\$1,950	\$ 6.50	\$1,950
01.52.13	Gravel Surface For Yard	50	Tons	\$ 18.00	\$900	\$ 5.00	\$250	\$ 7.50	\$375	\$ 30.50	\$1,525
01.52.13	Erosion control	1	LS	\$ 2,000.00	\$2,000	\$ 1,000.00	\$1,000	\$ 500.00	\$500	\$ 3,500.00	\$3,500
01.54.16	Sky Trac Fork Lift Rental	6	Months	\$ -	\$0	\$ -	\$0	\$ 700.00	\$4,200	\$ 700.00	\$4,200
01.52.13	Miscellaneous Facilities	1	Allow	\$ 2,500.00	\$2,500	\$ -	\$0	\$ -	\$0	\$ 2,500.00	\$2,500
<b>SUBTOTAL</b>	<b>Construction Facilities</b>	<b>1000</b>	<b>SF</b>	<b>\$ 5.40</b>	<b>\$5,400</b>	<b>\$ 2.45</b>	<b>\$2,450</b>	<b>\$ 11.11</b>	<b>\$11,110</b>	<b>\$ 18.96</b>	<b>\$18,960</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **XX General Conditions**

**Total Cost: \$151,710**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 54 36</b>	<b>Mobilizaton</b>										
01.54.36	Mobilization	1	Allw	\$ -	\$0	\$ -	\$0	\$ 7,500.00	\$7,500	\$ 7,500.00	\$7,500
01.54.36	Demobilization	0	Unit	\$ -	\$0	\$ -	\$0	\$ 5,000.00	\$0	\$ 5,000.00	\$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
<b>SUBTOTAL</b>	<b>Mobilizaton</b>	<b>1000</b>	<b>SF</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 7.50</b>	<b>\$7,500</b>	<b>\$ 7.50</b>	<b>\$7,500</b>

Summary Item: **XX General Conditions**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>XX</b>	<b>General Conditions</b>	<b>1000</b>	<b>SF</b>	<b>\$ 31.90</b>	<b>\$31,900</b>	<b>\$ 101.20</b>	<b>\$101,200</b>	<b>\$ 18.61</b>	<b>\$18,610</b>	<b>\$ 151.71</b>	<b>\$151,710</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate  
**BID ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS Number: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: \_\_\_\_\_  
Date: \_\_\_\_\_

Bid Item Number	Asset / Project Element / Description	Size/Count	Units
<b>BID ITEM 2</b>	<b>New Parking Lot &amp; Site Utilities</b>	<b>1</b>	<b>LS</b>

Item No.	WBS	Description	Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Direct Cost/Unit	Total Direct Costs	NET Cost/Unit	Total NET Costs	
1	G10	Site Preparation	\$ 2,500.00	\$ 2,500	\$ 11,710.58	\$ 11,711	\$ 19,775.94	\$ 19,776	\$ 33,987	\$ 33,987	\$ 53,471.16	\$ 53,471	
2	G20	Site Improvements	\$ 143,581.04	\$ 143,581	\$ 36,335.00	\$ 36,335	\$ 43,670.00	\$ 43,670	\$ 223,586	\$ 223,586	\$ 351,769.04	\$ 351,769	
3	G30	Site Mechanical Utilities	\$ 12,153.36	\$ 12,153	\$ 14,232.07	\$ 14,232	\$ 4,240.55	\$ 4,241	\$ 30,626	\$ 30,626	\$ 48,184.01	\$ 48,184	
4	XX	Bid Item 2 General Conditions	\$ 12,925.00	\$ 12,925	\$ 8,350.00	\$ 8,350	\$ 6,500.00	\$ 6,500	\$ 27,775	\$ 27,775	\$ 43,698.55	\$ 43,699	
<b>Subtotal Direct Construction Costs</b>			<b>\$ 171,159.40</b>	<b>\$ 171,159</b>	<b>\$ 70,627.65</b>	<b>\$ 70,628</b>	<b>\$ 74,186.49</b>	<b>\$ 74,186</b>	<b>\$ 315,974</b>	<b>\$315,974</b>	<b>\$ 497,122.76</b>	<b>\$497,123</b>	
<b>Total Value of Government Furnished Property (GFP) Inc. in Direct Cost</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$0</b>	<b>In most cases GFP is normally zero - see footnote-</b>		
<b>Direct Cost Subtotal without GFP</b>			<b>\$ 171,159</b>	<b>\$ 171,159</b>	<b>\$ 70,628</b>	<b>\$ 70,628</b>	<b>\$ 74,186</b>	<b>\$ 315,974</b>	<b>\$315,974</b>				
Design Contingency			2.00%							\$6,319			
<b>Total Direct Construction Costs</b>										<b>\$322,293</b>			
Standard General Conditions			0.00%	Applied to Total Direct Construction Cost less GFP									\$0
Government General Conditions			3.00%	Applied to Total Direct Construction Cost less GFP									\$9,669
<b>Subtotal NET Construction Cost</b>										<b>\$331,962</b>			
Overhead			8.50%										\$28,217
Profit			10.00%										\$33,196
<b>Estimated NET Construction Cost</b>										<b>\$393,375</b>			
Contracting Method Adjustment			15.00%								\$59,006		
Inflation Escalation			32	Months	Annual Rate =	3.60%				\$44,742			
<b>Total Estimated NET Cost of Construction</b>										<b>\$497,123</b>			

GFP costs only apply when the Government pre-purchases items, or provides other materials out of Government inventory, to be installed by contractor. Adjustments and Markup on GFP only include Inflation Escalation; No other adjustment factors or O&P markup have been applied.

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **G10 Site Preparation**

Total Cost: **\$33,987**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G1010</b>	<b>SITE CLEARING</b>										
31.25.13	Erosion Control	1	LS	\$ 2,500.00	\$2,500	\$ 1,450.00	\$1,450	\$ 1,250.00	\$1,250	\$ 5,200.00	\$5,200
31.13.13	Clear & Grub Parking Area	40000	SF	\$ -	\$0	\$ 0.12	\$4,800	\$ 0.19	\$7,600	\$ 0.31	\$12,400
31.13.13	Selective Tree Removal	7	Ea	\$ -	\$0	\$ 178.75	\$1,251	\$ 154.44	\$1,081	\$ 333.19	\$2,332
31.13.13	Stump Removal	7	Ea	\$ -	\$0	\$ 36.22	\$254	\$ 94.38	\$661	\$ 130.60	\$914
31.13.13	Strip & Stockpile Topsoil	1500	CY	\$ -	\$0	\$ 0.79	\$1,181	\$ 1.37	\$2,059	\$ 2.16	\$3,240
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SITE CLEARING</b>	<b>1</b>	<b>LS</b>	<b>\$ 2,500.00</b>	<b>\$2,500</b>	<b>\$ 8,935.58</b>	<b>\$8,936</b>	<b>\$ 12,650.94</b>	<b>\$12,651</b>	<b>\$ 24,086.52</b>	<b>\$24,087</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G1030</b>	<b>SITE EARTHWORK</b>										
31.23.16	Onsite Cut to Fill	1500	CY	\$ -	\$0	\$ 1.25	\$1,875	\$ 3.55	\$5,325	\$ 4.80	\$7,200
31.23.13	Scarify & Recompact Parking area	30000	SF	\$ -	\$0	\$ 0.03	\$900	\$ 0.06	\$1,800	\$ 0.09	\$2,700
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SITE EARTHWORK</b>	<b>1</b>	<b>LS</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 2,775.00</b>	<b>\$2,775</b>	<b>\$ 7,125.00</b>	<b>\$7,125</b>	<b>\$ 9,900.00</b>	<b>\$9,900</b>

Summary Item: **G10 Site Preparation**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G10</b>	<b>Site Preparation</b>	<b>1</b>	<b>LS</b>	<b>\$ 2,500.00</b>	<b>\$2,500</b>	<b>\$ 11,710.58</b>	<b>\$11,711</b>	<b>\$ 19,775.94</b>	<b>\$19,776</b>	<b>\$ 33,986.52</b>	<b>\$33,987</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **G20 Site Improvements**

Total Cost: **\$223,586**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G2020</b>	<b>PARKING LOTS</b>										
31.21.16	Subgrade Prep Parking Lot	4500	SY	\$ -	\$0	\$ 0.07	\$315	\$ 0.75	\$3,375	\$ 0.82	\$3,690
32.11.23	Furnish & Install 6" Roadbase	4500	SY	\$ 6.79	\$30,543	\$ 1.25	\$5,625	\$ 3.15	\$14,175	\$ 11.19	\$50,343
32.12.16	Furnish & Install 3" Asphalt Paving	4500	SY	\$ 11.85	\$53,325	\$ 1.28	\$5,760	\$ 3.15	\$14,175	\$ 16.28	\$73,260
32.17.23	Striping	40	Spaces	\$ 14.11	\$564	\$ 27.00	\$1,080	\$ 8.00	\$320	\$ 49.11	\$1,964
32.17.23	Accessible spaces	7	EA	\$ 92.00	\$644	\$ 145.00	\$1,015	\$ 35.00	\$245	\$ 272.00	\$1,904
10.14.53	Sign Allowance	1	Allow	\$ 2,500.00	\$2,500	\$ 500.00	\$500	\$ -	\$0	\$ 3,000.00	\$3,000
32.16.13	Curb & Gutter	1000	LF	\$ 12.83	\$12,825	\$ 4.50	\$4,500	\$ 8.00	\$8,000	\$ 25.33	\$25,325
32.17.23	Striping - RV Spaces	10	EA	\$ 98.00	\$980	\$ 47.00	\$470	\$ 18.00	\$180	\$ 163.00	\$1,630
<b>SUBTOTAL</b>	<b>PARKING LOTS</b>	<b>1</b>	<b>LS</b>	<b>\$ 101,381.04</b>	<b>\$101,381</b>	<b>\$ 19,265.00</b>	<b>\$19,265</b>	<b>\$ 40,470.00</b>	<b>\$40,470</b>	<b>\$ 161,116.04</b>	<b>\$161,116</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G2030</b>	<b>PEDESTRIAN PAVING</b>										
03.30.53	Pedestrian Sidewalks at parking lot	3500	SF	\$ 5.20	\$18,200	\$ 3.12	\$10,920	\$ -	\$0	\$ 8.32	\$29,120
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>PEDESTRIAN PAVING</b>	<b>1</b>	<b>LS</b>	<b>\$ 18,200.00</b>	<b>\$18,200</b>	<b>\$ 10,920.00</b>	<b>\$10,920</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 29,120.00</b>	<b>\$29,120</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **G20 Site Improvements**

**Total Cost: \$223,586**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G2050</b>	<b>LANDSCAPING</b>										
32.90.00	Parking lot landscape allowance	1	LS	\$ 17,500.00	\$17,500	\$ 4,250.00	\$4,250	\$ 2,500.00	\$2,500	\$ 24,250.00	\$24,250
32.93.43	Install Selective Trees	20	EA	\$ 325.00	\$6,500	\$ 95.00	\$1,900	\$ 35.00	\$700	\$ 455.00	\$9,100
<b>SUBTOTAL</b>	<b>LANDSCAPING</b>	<b>1</b>	<b>LS</b>	<b>\$ 24,000.00</b>	<b>\$24,000</b>	<b>\$ 6,150.00</b>	<b>\$6,150</b>	<b>\$ 3,200.00</b>	<b>\$3,200</b>	<b>\$ 33,350.00</b>	<b>\$33,350</b>

Summary Item: **G20 Site Improvements**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G20</b>	<b>Site Improvements</b>	<b>1</b>	<b>LS</b>	<b>\$ 143,581.04</b>	<b>\$143,581</b>	<b>\$ 36,335.00</b>	<b>\$36,335</b>	<b>\$ 43,670.00</b>	<b>\$43,670</b>	<b>\$ 223,586.04</b>	<b>\$223,586</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **G30 Site Mechanical Utilities**

Total Cost: **\$30,626**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G3030</b>	<b>STORM SEWER</b>										
33.41.13	18" Reinforced concrete Pipe	300	LF	\$ 26.03	\$7,809	\$ 24.29	\$7,286	\$ 3.50	\$1,050	\$ 53.82	\$16,145
33.41.13	18" Flared End Section	3	EA	\$ 86.95	\$261	\$ 11.89	\$36	\$ 6.85	\$21	\$ 105.69	\$317
33.41.13	Water Quality Detention Pond	1	Allow	\$ 1,500.00	\$1,500	\$ 3,500.00	\$3,500	\$ 3,000.00	\$3,000	\$ 8,000.00	\$8,000
33 44 13	Storm Drain inlets	2	EA	\$ 1,292.00	\$2,584	\$ 1,705.00	\$3,410	\$ 85.00	\$170	\$ 3,082.00	\$6,164
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>STORM SEWER</b>	<b>1</b>	<b>LS</b>	<b>\$ 12,153.36</b>	<b>\$12,153</b>	<b>\$ 14,232.07</b>	<b>\$14,232</b>	<b>\$ 4,240.55</b>	<b>\$4,241</b>	<b>\$ 30,625.98</b>	<b>\$30,626</b>

Summary Item: **G30 Site Mechanical Utilities**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G30</b>	<b>Site Mechanical Utilities</b>	<b>1</b>	<b>LS</b>	<b>\$ 12,153.36</b>	<b>\$12,153</b>	<b>\$ 14,232.07</b>	<b>\$14,232</b>	<b>4240.55</b>	<b>\$4,241</b>	<b>\$ 30,625.98</b>	<b>\$30,626</b>



United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **XX Bid Item 2 General Conditions**

**Total Cost: \$27,775**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 31</b>	<b>Project Management &amp; Coordination</b>										
01.31.13	Project Superintendent	2	Weeks	\$ -	\$0	\$ 2,500.00	\$5,000	\$ -	\$0	\$ 2,500.00	\$5,000
01.31.13	Project Manager - Half Time	1	Weeks	\$ -	\$0	\$ 750.00	\$750	\$ -	\$0	\$ 750.00	\$750
01.31.13	General Pupose Laborer - Part Time	1	Weeks	\$ -	\$0	\$ 1,500.00	\$1,500	\$ -	\$0	\$ 1,500.00	\$1,500
01.31.13	Builders Risk Insurance	1	LS	\$ 500.00	\$500	\$ -	\$0	\$ -	\$0	\$ 500.00	\$500
01.31.13	General Liabiity Insurance	1	LS	\$ 250.00	\$250	\$ -	\$0	\$ -	\$0	\$ 250.00	\$250
01.31.13	Payment & Performance Bond 1.5%	1	Unit	\$ 7,500.00	\$7,500	\$ -	\$0	\$ -	\$0	\$ 7,500.00	\$7,500
01.31.xx	Labor down time due to payroll interviews	1	LS	\$ -	\$0	\$ 500.00	\$500	\$ -	\$0	\$ 500.00	\$500
01.31.xx	Certified Payroll Costs	0	Unit	\$ -	\$0	\$ 150.00	\$0	\$ -	\$0	\$ 150.00	\$0
<b>SUBTOTAL</b>	<b>Project Management &amp; Coordination</b>	<b>1000</b>	<b>SF</b>	<b>\$ 8.25</b>	<b>\$8,250</b>	<b>\$ 7.75</b>	<b>\$7,750</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 16.00</b>	<b>\$16,000</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 45</b>	<b>Quality control</b>										
1.45.23	Concrete Testing	12	EA	\$ 150.00	\$1,800	\$ -	\$0	\$ -	\$0	\$ 150.00	\$1,800
01.45.23	Compaction Testing	25	EA	\$ 75.00	\$1,875	\$ -	\$0	\$ -	\$0	\$ 75.00	\$1,875
01.45.23	Other Testing	1	LS	\$ 1,000.00	\$1,000	\$ -	\$0	\$ -	\$0	\$ 1,000.00	\$1,000
01.45.23	Special Inspections	1	Allow		\$0	\$ 600.00	\$600	\$ -	\$0	\$ 600.00	\$600
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>Quality control</b>	<b>1</b>	<b>LS</b>	<b>\$ 4,675.00</b>	<b>\$4,675</b>	<b>\$ 600.00</b>	<b>\$600</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 5,275.00</b>	<b>\$5,275</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **XX Bid Item 2 General Conditions**

**Total Cost: \$27,775**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 54</b>	<b>Mobilizaton</b>										
01.54.36	Mobilization	1	Allow	\$ -	\$0	\$ -	\$0	\$ 6,500.00	\$6,500	\$ 6,500.00	\$6,500
01.54.36	Demobilization	0	Unit	\$ -	\$0	\$ -	\$0	\$ 4,000.00	\$0	\$ 4,000.00	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>Mobilizaton</b>	<b>1</b>	<b>LS</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 6,500.00</b>	<b>\$6,500</b>	<b>\$ 6,500.00</b>	<b>\$6,500</b>

Summary Item: **XX Bid Item 2 General Conditions**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>XX</b>	<b>Bid Item 2 General Conditions</b>	<b>1</b>	<b>LS</b>	<b>\$ 12,925.00</b>	<b>\$12,925</b>	<b>\$ 8,350.00</b>	<b>\$8,350</b>	<b>\$ 6,500.00</b>	<b>\$6,500</b>	<b>\$ 27,775.00</b>	<b>\$27,775</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate  
**BID ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS Number: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Bid Item Number	Asset / Project Element / Description	Size/Count	Units
<b>BID ITEM 3</b>	<b>Picnic Area &amp; Trailhead Improvement</b>	<b>1</b>	<b>LS</b>

Item No.	WBS	Description	Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Direct Cost/Unit	Total Direct Costs	NET Cost/Unit	Total NET Costs
1	G10	Site Preparation	\$ -	\$ -	\$ 11,860.00	\$ 11,860	\$ 4,845.00	\$ 4,845	\$ 16,705	\$ 16,705	\$ 26,282.06	\$ 26,282
2	G20	Site Improvements	\$ 59,447.50	\$ 59,448	\$ 25,960.00	\$ 25,960	\$ 12,269.50	\$ 12,270	\$ 97,677	\$ 97,677	\$ 153,675.72	\$ 153,676
3	G30	Site Mechanical Utilities	\$ 2,124.73	\$ 2,125	\$ 2,274.65	\$ 2,275	\$ 330.37	\$ 330	\$ 4,730	\$ 4,730	\$ 7,441.34	\$ 7,441
6	XX	Bid Item 3 General Conditions	\$ 5,775.00	\$ 5,775	\$ 7,550.00	\$ 7,550	\$ 2,500.00	\$ 2,500	\$ 15,825	\$ 15,825	\$ 24,897.55	\$ 24,898
7	XX		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	XX		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Subtotal Direct Construction Costs</b>			<b>\$ 67,347.23</b>	<b>\$ 67,347</b>	<b>\$ 47,644.65</b>	<b>\$ 47,645</b>	<b>\$ 19,944.87</b>	<b>\$ 19,945</b>	<b>\$ 134,937</b>	<b>\$ 134,937</b>	<b>\$ 212,296.67</b>	<b>\$ 212,297</b>
<b>Total Value of Government Furnished Property (GFP) Inc. in Direct Cost</b>			<b>\$0.00</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>	<b>\$0</b>	<b>In most cases GFP is normally zero - see footnote-</b>	
<b>Direct Cost Subtotal without GFP</b>			<b>\$ 67,347</b>		<b>\$ 47,644.65</b>		<b>\$ 19,944.87</b>		<b>\$ 134,937</b>			
Design Contingency			2.00%							\$2,699		
<b>Total Direct Construction Costs</b>										<b>\$137,635</b>		
Standard General Conditions			0.00%	Applied to Total Direct Construction Cost less GFP						\$0		
Government General Conditions			3.00%	Applied to Total Direct Construction Cost less GFP						\$4,129		
<b>Subtotal NET Construction Cost</b>										<b>\$141,765</b>		
Overhead			8.50%							\$12,050		
Profit			10.00%							\$14,176		
<b>Estimated NET Construction Cost</b>										<b>\$167,991</b>		
Contracting Method Adjustment			15.00%							\$25,199		
Inflation Escalation			32	Months	Annual Rate =	3.60%				\$19,107		
<b>Total Estimated NET Cost of Construction</b>										<b>\$212,297</b>		

GFP costs only apply when the Government pre-purchases items, or provides other materials out of Government inventory, to be installed by contractor. Adjustments and Markup on GFP only include Inflation Escalation; No other adjustment factors or O&P markup have been applied.

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **G10 Site Preparation**

Total Cost: **\$16,705**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G1010</b>	<b>SITE CLEARING</b>										
31.11.10	Misc. Site Clearing	1	LS	\$ -	\$0	\$ 2,200.00	\$2,200	\$ 1,650.00	\$1,650	\$ 3,850.00	\$3,850
31.13.13	Hand Clear New Trail Alignment	500	LF	\$ -	\$0	\$ 6.20	\$3,100	\$ 1.25	\$625	\$ 7.45	\$3,725
<b>SUBTOTAL</b>	<b>SITE CLEARING</b>	<b>1</b>	<b>LS</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 5,300.00</b>	<b>\$5,300</b>	<b>\$ 2,275.00</b>	<b>\$2,275</b>	<b>\$ 7,575.00</b>	<b>\$7,575</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G1020</b>	<b>SITE DEMOLITION &amp; RELOCATIONS</b>										
02.41.13	Misc. Site Demolition	1	LS	\$ -	\$0	\$ 1,270.00	\$1,270	\$ 485.00	\$485	\$ 1,755.00	\$1,755
02.41.13	Remove Existing Picnic Tables & Grills	1	LS	\$ -	\$0	\$ 2,350.00	\$2,350	\$ 500.00	\$500	\$ 2,850.00	\$2,850
<b>SUBTOTAL</b>	<b>SITE DEMOLITION &amp; RELOCATIONS</b>	<b>1</b>	<b>LS</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 3,620.00</b>	<b>\$3,620</b>	<b>\$ 985.00</b>	<b>\$985</b>	<b>\$ 4,605.00</b>	<b>\$4,605</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G1030</b>	<b>SITE EARTHWORK</b>										
31.22.16	Fine Grade & Compact Picnic subgrades	3500	SF	\$ -	\$0	\$ 0.15	\$525	\$ 0.20	\$700	\$ 0.35	\$1,225
31.22.16	Hand Grade Trail	3000	SF	\$ -	\$0	\$ 0.58	\$1,740	\$ 0.05	\$150	\$ 0.63	\$1,890
31.23.23	Scarify & recompact existing dirt parking lot	10000	SF	\$ -	\$0	\$ 0.03	\$300	\$ 0.06	\$600	\$ 0.09	\$900
31.23.23	Scarify Existing Trail 500' x 3'	1500	SF	\$ -	\$0	\$ 0.25	\$375	\$ 0.09	\$135	\$ 0.34	\$510
<b>SUBTOTAL</b>	<b>SITE EARTHWORK</b>	<b>1</b>	<b>LS</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 2,940.00</b>	<b>\$2,940</b>	<b>\$ 1,585.00</b>	<b>\$1,585</b>	<b>\$ 4,525.00</b>	<b>\$4,525</b>

Summary Item: **G10 Site Preparation**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G10</b>	<b>Site Preparation</b>	<b>1</b>	<b>LS</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 11,860.00</b>	<b>\$11,860</b>	<b>\$ 4,845.00</b>	<b>\$4,845</b>	<b>\$ 16,705.00</b>	<b>\$16,705</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **G20 Site Improvements**

Total Cost: **\$97,677**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G2030 PEDESTRIAN PAVING</b>											
32.06.10	Furnish & Install Decomposed Granite DG	170	Tons	\$ 76.75	\$13,048	\$ 11.50	\$1,955	\$ 8.35	\$1,420	\$ 96.60	\$16,422
31.32.13	Mix, spread, finegrade & compact organic binder	6500	SF	\$ 1.30	\$8,450	\$ 0.72	\$4,680	\$ 0.15	\$975	\$ 2.17	\$14,105
03.30.53	Pedestrian Sidewalks-Trial Connection	1500	SF	\$ 5.13	\$7,695	\$ 3.10	\$4,650	\$ 0.25	\$375	\$ 8.48	\$12,720
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>PEDESTRIAN PAVING</b>	<b>1</b>	<b>LS</b>	<b>\$ 29,192.50</b>	<b>\$29,193</b>	<b>\$ 11,285.00</b>	<b>\$11,285</b>	<b>\$ 2,769.50</b>	<b>\$2,770</b>	<b>\$ 43,247.00</b>	<b>\$43,247</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G2040 SITE DEVELOPMENT</b>											
32.31.29	Install new seat resistant single rail fence	500	LF	\$ 32.00	\$16,000	\$ 5.50	\$2,750	\$ 2.00	\$1,000	\$ 39.50	\$19,750
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SITE DEVELOPMENT</b>	<b>1</b>	<b>LS</b>	<b>\$ 16,000.00</b>	<b>\$16,000</b>	<b>\$ 2,750.00</b>	<b>\$2,750</b>	<b>\$ 1,000.00</b>	<b>\$1,000</b>	<b>\$ 19,750.00</b>	<b>\$19,750</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G2050 LANDSCAPING</b>											
32.90.00	Picnic Area landscape repairs & improvements	1	LS	\$ 500.00	\$500	\$ 1,800.00	\$1,800	\$ 600.00	\$600	\$ 2,900.00	\$2,900
32.90.00	Trail landscape repairs & improvements	1	LS	\$ 500.00	\$500	\$ 1,600.00	\$1,600	\$ 750.00	\$750	\$ 2,850.00	\$2,850
32.91.13	Soil amenders	11500	SF	\$ 0.13	\$1,495	\$ 0.05	\$575	\$ 0.10	\$1,150	\$ 0.28	\$3,220
32.32.60	Place Barrier Rocks	1	Allow	\$ -	\$0	\$ 500.00	\$500	\$ 2,000.00	\$2,000	\$ 2,500.00	\$2,500
32.93.33	Install native shrubs	150	EA	\$ 36.50	\$5,475	\$ 12.00	\$1,800	\$ 5.00	\$750	\$ 53.50	\$8,025
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>LANDSCAPING</b>	<b>1</b>	<b>LS</b>	<b>\$ 7,970.00</b>	<b>\$7,970</b>	<b>\$ 6,275.00</b>	<b>\$6,275</b>	<b>\$ 5,250.00</b>	<b>\$5,250</b>	<b>\$ 19,495.00</b>	<b>\$19,495</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: G20 Site Improvements

Total Cost: \$97,677

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G2060</b>	<b>SITE FURNISHINGS</b>										
12.93.43	Misc Site Furnishings	1	Allow	\$ 1,685.00	\$1,685	\$ 1,150.00	\$1,150	\$ 250.00	\$250	\$ 3,085.00	\$3,085
12.93.43	Reinstall Site Furnishings at Picnic area	1	LS	\$ 4,600.00	\$4,600	\$ 4,500.00	\$4,500	\$ 3,000.00	\$3,000	\$ 12,100.00	\$12,100
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>SITE FURNISHINGS</b>	<b>1</b>	<b>LS</b>	<b>\$ 6,285.00</b>	<b>\$6,285</b>	<b>\$ 5,650.00</b>	<b>\$5,650</b>	<b>\$ 3,250.00</b>	<b>\$3,250</b>	<b>\$ 15,185.00</b>	<b>\$15,185</b>

Summary Item: G20 Site Improvements

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G20</b>	<b>Site Improvements</b>	<b>1</b>	<b>LS</b>	<b>\$ 59,447.50</b>	<b>\$59,448</b>	<b>\$ 25,960.00</b>	<b>\$25,960</b>	<b>\$ 12,269.50</b>	<b>\$12,270</b>	<b>\$ 97,677.00</b>	<b>\$97,677</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: \_\_\_\_\_  
 Date: \_\_\_\_\_

Summary Item: **G30 Site Mechanical Utilities**

Total Cost: **\$4,730**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G3030</b>	<b>STORM SEWER</b>										
33 41 13	12 CMP" Trail Crossing Culverts	60	LF	\$ 17.35	\$1,041	\$ 15.77	\$946	\$ 2.13	\$128	\$ 35.25	\$2,115
33 41 13	12" Flared End Sections	12	EA	\$ 77.80	\$934	\$ 85.69	\$1,028	\$ 12.74	\$153	\$ 176.23	\$2,115
	Misc Drainage Improvemnts	1	LS	\$ 150.00	\$150	\$ 300.00	\$300	\$ 50.00	\$50	\$ 500.00	\$500
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>STORM SEWER</b>	<b>1</b>	<b>LS</b>	<b>\$ 2,124.73</b>	<b>\$2,125</b>	<b>\$ 2,274.65</b>	<b>\$2,275</b>	<b>\$ 330.37</b>	<b>\$330</b>	<b>\$ 4,729.75</b>	<b>\$4,730</b>

Summary Item: **G30 Site Mechanical Utilities**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>G30</b>	<b>Site Mechanical Utilities</b>	<b>1</b>	<b>LS</b>	<b>\$ 2,124.73</b>	<b>\$2,125</b>	<b>\$ 2,274.65</b>	<b>\$2,275</b>	<b>330.368</b>	<b>\$330</b>	<b>\$ 4,729.75</b>	<b>\$4,730</b>



United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
Park: Bear Arbor NRA  
Park Alpha: BEAR  
PMIS: XXXXXX

Estimate By: YtB  
Date: 01/12/11  
Reviewed By: BBB  
Date: 01/17/11

Summary Item: **XX Bid Item 3 General Conditions**

Total Cost: **\$15,825**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 31</b>	<b>Project Management &amp; Coordination</b>										
31.23.15	Project Superintendent	2	Weeks	\$ -	\$0	\$ 2,500.00	\$5,000	\$ -	\$0	\$ 2,500.00	\$5,000
03.15.05	Project Manager - Half Time	1	Weeks	\$ -	\$0	\$ 750.00	\$750	\$ -	\$0	\$ 750.00	\$750
03.11.13	General Pupose Laborer - Part Time	1	Weeks	\$ -	\$0	\$ 1,500.00	\$1,500	\$ -	\$0	\$ 1,500.00	\$1,500
03.21.10	Builders Risk Insurance	1	LS	\$ 200.00	\$200	\$ -	\$0	\$ -	\$0	\$ 200.00	\$200
03.30.53	General Liability Insurance	1	LS	\$ 125.00	\$125	\$ -	\$0	\$ -	\$0	\$ 125.00	\$125
03.11.13	Payment & Performance Bond 1.5%	1	Unit	\$ 3,000.00	\$3,000	\$ -	\$0	\$ -	\$0	\$ 3,000.00	\$3,000
03.35.29	Labor down time due to payroll interviews	1	LS	\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
07.27.13	Certified Payroll Costs	0	Unit	\$ -	\$0	\$ 25.00	\$0	\$ -	\$0	\$ 25.00	\$0
<b>SUBTOTAL</b>	<b>Project Management &amp; Coordination</b>	<b>1000</b>	<b>SF</b>	<b>\$ 3.33</b>	<b>\$3,325</b>	<b>\$ 7.25</b>	<b>\$7,250</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 10.58</b>	<b>\$10,575</b>

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 45</b>	<b>Quality control</b>										
01 45 23	Concrete Testing	8	EA	\$ 150.00	\$1,200	\$ -	\$0	\$ -	\$0	\$ 150.00	\$1,200
01 45 23	Compaction Testing	10	EA	\$ 75.00	\$750	\$ -	\$0	\$ -	\$0	\$ 75.00	\$750
01 45 23	Other Testing	1	LS	\$ 500.00	\$500	\$ -	\$0	\$ -	\$0	\$ 500.00	\$500
01 40 00	Special Inspections	1	Allow		\$0	\$ 300.00	\$300	\$ -	\$0	\$ 300.00	\$300
MF-2004 Code	Description	0	Unit	\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
MF-2004 Code	Description	0	Unit	\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
MF-2004 Code	Description	0	Unit	\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
MF-2004 Code	Description	0	Unit	\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>Quality control</b>	<b>1</b>	<b>LS</b>	<b>\$ 2,450.00</b>	<b>\$2,450</b>	<b>\$ 300.00</b>	<b>\$300</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 2,750.00</b>	<b>\$2,750</b>

United States Department of the Interior  
National Park Service  
Class A Construction Cost Estimate

**LINE ITEM COST SUMMARY**

Project: Oso Comida Trailhead Improvements:  
 Park: Bear Arbor NRA  
 Park Alpha: BEAR  
 PMIS: XXXXXX

Estimate By: YtB  
 Date: 01/12/11  
 Reviewed By: BBB  
 Date: 01/17/11

Summary Item: **XX Bid Item 3 General Conditions**

**Total Cost: \$15,825**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>01 54 36</b>	<b>Mobilizaton</b>										
01 54 36.5	Mobilization	1	Allow	\$ -	\$0	\$ -	\$0	\$ 2,500.00	\$2,500	\$ 2,500.00	\$2,500
	Demobilization	0	Unit	\$ -	\$0	\$ -	\$0	\$ 1,500.00	\$0	\$ 1,500.00	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
				\$ -	\$0	\$ -	\$0	\$ -	\$0	\$ -	\$0
<b>SUBTOTAL</b>	<b>Mobilizaton</b>	<b>1</b>	<b>LS</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ -</b>	<b>\$0</b>	<b>\$ 2,500.00</b>	<b>\$2,500</b>	<b>\$ 2,500.00</b>	<b>\$2,500</b>

Summary Item: **XX Bid Item 3 General Conditions**

Uniformat II WBS Code	Description	Quantity	Unit	MATERIAL		LABOR		EQUIPMENT		TOTALS	
				Material Cost/Unit	Total Material Cost	Labor Cost/Unit	Total Labor Cost	Equipment Cost/Unit	Total Equipment Cost	Total Cost/Unit	Total Cost
<b>XX</b>	<b>Bid Item 3 General Conditions</b>	<b>1</b>	<b>LS</b>	<b>\$ 5,775.00</b>	<b>\$5,775</b>	<b>\$ 7,550.00</b>	<b>\$7,550</b>	<b>\$ 2,500.00</b>	<b>\$2,500</b>	<b>\$ 15,825.00</b>	<b>\$15,825</b>