

**ENGINEER'S ESTIMATE**

Knik River Access: Palmer Hay Flats State Game Refuge

**State of Alaska  
Department of Natural Resources****Basic Bid**

<i>Item Number</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Unit Price</i>	<i>Amount</i>
201(1B)	CLEARING	Lump Sum	All Required	5,000.00	5,000.00
201(2B)	GRUBBING	Lump Sum	All Required	5,000.00	5,000.00
201(7)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	Lump Sum	All Required	7,500.00	7,500.00
203(3)	UNCLASSIFIED EXCAVATION	Cubic Yard	4,390	12.00	52,680.00
203(6A)	BORROW, TYPE A	Ton	5,500	25.00	137,500.00
203(27)	BIOSWALE GRADING	Linear Foot	575	40.00	23,000.00
205(6)	STRUCTURAL FILL	Cubic Yard	1200	25.00	30,000.00
301(1)	AGGREGATE BASE COURSE, GRADING D-1	Ton	1,150	45.00	51,750.00
401(1B)	HMA, TYPE II; CLASS B	Ton	575	115.00	66,125.00
401(4)	ASPHALT BINDER, GRADE PG 58-28	Ton	35	1,000.00	34,500.00
401(8B)	HMA PRICE ADJUSTMENT, TYPE II; CLASS B	Contingent Sum	All Required	2,800.00	2,800.00
501(1)	CLASS A CONCRETE	Lump Sum	All Required	15,000.00	15,000.00
505(12)	FURNISH AND DRILL ABOVE-GRADE BOARDWALK ANCHORS	Each	124	500.00	62,000.00
506(5)	BOARDWALK, ELEVATED (TYPE A)	Linear Foot	492	550.00	270,600.00
506(10)	END OF BOARDWALK TRANSITION	Each	2	2,000.00	4,000.00
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	Square Yard	274	80.00	21,920.00
607(3)	CHAIN LINK FENCE (8' TALL)	Linear Foot	430	40.00	17,200.00
615(1)	STANDARD SIGN	Square Foot	12	110.00	1,320.00
618(2)	SEEDING	MSF	28	900.00	25,200.00
620(2)	TOPSOIL	Square Yard	3,100	10.00	31,000.00
630(1)	GEOTEXTILE, SEPARATION, CLASS 3	Square Yard	10,670	3.00	32,010.00
640(1)	MOBILIZATION AND DEMOBILIZATION	Lump Sum	All Required	30,000.00	30,000.00
641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	Lump Sum	All Required	10,000.00	10,000.00
641(5)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	Contingent Sum	All Required	15,000.00	15,000.00
641(6)	WITHHOLDING	Contingent Sum	All Required	0.00	0.00
642(1)	CONSTRUCTION SURVEYING	Lump Sum	All Required	25,000.00	25,000.00
642(3)	THREE PERSON SURVEY PARTY	Lump Sum	All Required	15,000.00	15,000.00
643(15)	FLAGGING	Contingent Sum	All Required	5,000.00	5,000.00

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<i>Item Number</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Unit Price</i>	<i>Amount</i>
643(25)	TRAFFIC CONTROL	Contingent Sum	All Required	5,000.00	5,000.00
647(5)	BACKHOE, 4WD, 1 CY BUCKET, 75 HP MIN	Contingent Sum	All Required	5,000.00	5,000.00
650(1)	PICNIC TABLE	EACH	2	1,500.00	3,000.00
650(3B)	PARK BENCH, TYPE B	EACH	4	2,500.00	10,000.00
650(17)	CONCRETE PARKING BUMPER	EACH	15	200.00	3,000.00
650(21)	BARRIER ROCK	EACH	7	500.00	3,500.00
650(26)	PICNIC SHELTER	EACH	1	20,000.00	20,000.00
650(39B)	ORIENTATION KIOSK	EACH	1	30,000.00	30,000.00
650(51A)	KIDS DON'T FLOAT KIOSK, TYPE A	EACH	1	8,000.00	8,000.00
654(2)	DOUBLE CONCRETE VAULTED TOILET	EACH	1	85,000.00	85,000.00
670(1)	PAINTED TRAFFIC MARKINGS	Lump Sum	All Required	20,000.00	20,000.00
680(1)	GOLD STAR MEMORIAL	Lump Sum	All Required	75,000.00	75,000.00
682(1)	VAC-TRUCK POTHOLE	Contingent Sum	All Required	5,000.00	5,000.00
<b>PROJECT SUMMARY</b>		<b>BASIC BID (BB) TOTAL</b>			<b>\$1,269,000.00</b>
		<b>PROJECT CONTINGENCY (PC, 20% of BB)</b>			<b>254,000.00</b>
		<b>DESIGN SERVICES (DS, 5% of BB)</b>			<b>64,000.00</b>
		<b>CONSTRUCTION ADMIN. (CA, 10% of BB)</b>			<b>127,000.00</b>
		<b>PROJECT TOTAL (BB + PC + DS + CA)</b>			<b>\$1,714,000.00</b>