CAMP COSTS

Appendix - Costs Page 2

SUMMARY OF CONSTRUCTION CAMP COSTS

Construction Seasom/Year	Start	Finish	# Mo		Amount
Construction Season 2009	06/01/09	11/30/09	6		2,261,975
Construction Season 2010	04/01/10	11/30/10	8		3,004,300
Construction Season 2011	04/01/11	11/30/11	8		3,004,300
Construction Season 2012	04/01/12	05/31/12	2		702,425
(Excludes AKDOT Employ	ees)			Subtotal	\$ 8,973,000
Mob/Demob Costs (include	d in BI 640	(1) Mobilizatio	on and De	mobilization)	
1 Camp Mob (Ketchikan to F	roject)	1	LS	20,000	20,000
2 Camp DeMob (Project to k	(etchikan)	1	LS	20,000	20,000
				Total	\$ 40,000

PER DIEM (for workers that travel from Juneau or live in trailer camp)

Est Work Mandays	FOH 24,000	<i>Roadway</i> 18,700	<i>Bridge</i> 14,040	Other 7,000	Subtotal 63,740
Per Diem Mandays Percent of Work Mandays	8,400	6,545	4,914	2,450	22,309
35%			Daily Per	Diem Rate	75
			Project Per	Diem Cost	1,673,175

Total Construction Camp and Per Diem Costs \$10,646,175

Additional Options 1 Satellite Phones	4 Number of Phones	8 Months	4,160	33,280
\$	1000 Monthly Minutes 1.00 Cost per Minute			
2 Satellite Internet	40 Monthly Fee	8 Months	39.000	312,000
\$	2 Number of Units 3,000 Monthly MB to and fro 6.50 Cost per MB		00,000	0,2,000

File: P\F\FHAX0176\0100PM\MReports\Camp Costs

Construction Season 2009 Duration		Full Capa Average		88 70		
April May June July	0 0 30 31	August September October November	37 30 31 30) 		
Total Numb	oer of Calendar Days per C	Construction Se	eason =	183		
# Description 1 Bare Cost (8-month of	n onstruction season)	Quantity 183	Unit Days	Unit Price 6,639		Subtotal 1,215,000
2 Off-Season	Maint and Inspection	182	Days	Included in Ite	em	#1
3 Crew Cost (2 Cooks, 1	Engineer, 2 Housecleanin		Days	2,700		494,100
4 Fuel Fuel Usage	200 Gallons/Da \$ 2.25 Cost/Gallor	ıy	Days el	450		82,350
5 Food	70 Average # \$ 30.00 Cost per W	of Workers in (2,100 tuff		384,300
6 Trash Hand	ling and Disposal	183	Days	75		13,725
7 Insurance (75% of annual premium)	1	LS	37,500		37,500
	ge Roundtrip Cost to Maintenance and Inspecti		LS	20,000		20,000
9 Annual Ancl at Camp L	nor Setting Fee ocation	. 1	LS	15,000		15,000
10 Satellite TV		6	Months	300		1,800
		8	-Month Se	asonal Cost	\$	2,261,975
	·		Avg C	ost per Day	\$	12,361
	Avg (Cost Per Pers	on (Full Ca	mp) per Day	\$	140.46

Construction Season 2010 Duration				Capacity age Capacity	88 70	
April May June July		30 31 30 31	August September October November		31 30 31 30	
Total Nu	mber of Caler	ndar Days per (Construction	Season	= 244	!
# Descript 1 Bare Cos (8-monti		ı season)	Quantity 2	U i 44 Days	nit Unit Price 6,639	
2 Off-Seas	on Maint and	Inspection	1	21 Days	Included in It	em #1
3 Crew Cos (2 Cooks		2 Housecleanii		44 Days	2,700	658,800
4 Fuel Fuel Usa		200 Gallons/Da 25 Cost/Gallo	∍y	44 Days Fuel	450	109,800
5 Food	\$ 30.	70 Average # 00 Cost per W	of Workers	•	2,100 od Stuff	512,400
6 Trash Ha	ndling and Di	sposal	24	14 Days	75	18,300
7 Insurance	:			1 LS	50,000	50,000
	arge Roundtri or Maintenan	p Cost to ice and Inspect	iion	1 LS	20,000	20,000
	nchor Setting Location	Fee		1 LS	15,000	15,000
10 Satellite T	V			8 Month	s 300	2,400
				8-Mont	h Seasonal Cost	\$ 3,004,300
				А	vg Cost per Day	\$ 12,313
	\$ 139.92					

С	Construction Season 2011 Duration			Full Capacity			88 70		
	April May June July	30 31 30 31))	August Septemb October Novemb			31 30 31 30		
	Total Number	of Calendar	Days per C	onstruction	on Se	eason =	:	244	
	Description Bare Cost (8-month cons	struction se	ason)	Quant	-	Unit Days		ce 639	
2	Off-Season Ma	aint and Ins	pection		121	Days	Included i	n Ite	em #1
3	Crew Cost (2 Cooks, 1 En	gineer, 2 H	ousecleanin	g/Laundr		Days	2,	700	658,800
4	Fuel Fuel Usage		Gallons/Day			Days el	4	450	109,800
5	Food		Average # c		rs in (•	·	100	512,400
6	Trash Handling	and Dispo	sal		244	Days		75	18,300
7	Insurance				1	LS	50,0)00	50,000
8	Annual Barge F Juneau for Ma			on	1	LS	20,0	000	20,000
9	Annual Anchor at Camp Loca	_)		1	LS	15,0	000	15,000
10	Satellite TV				8	Months	3	00	2,400
					8-	-Month !	Seasonal Co	st	\$ 3,004,300
						Avo	Cost per Da	ay.	\$ 12,313
			Avg	ost Per l	Perso		Camp) per D	•	

	Construction Season 2012 Duration FLOATING CAMP - Alaska Solutions			Full Cap Average	acity Capacity	88 40	
	April May June July	30 31 0 0	August September October November		0 0 0 0		
	Total Number of	of Calendar Days per C	onstruction Se	ason =	61		
	Description Bare Cost (8-month cons	truction season)	Quantity 61	Unit Days	Unit Price 6,639	-	Subtotal 405,000
2	Off-Season Ma	int and Inspection	304	Days	Included in Ite	em #	# 1
3	Crew Cost (2 Cooks, 1 Eng	gineer, 2 Housecleanin		Days	2,700		164,700
4	Fuel Fuel Usage	200 Gallons/Da \$ 2.25 Cost/Gallor	у	Days el	450		27,450
5	Food	40 Average # (\$ 30.00 Cost per W	of Workers in (•	1,200 Stuff		73,200
6	Trash Handling	and Disposal	61	Days	75		4,575
7	Insurance		1	LS	12,500		12,500
8	_	oundtrip Cost to intenance and Inspecti	_	LS	20,000		0
9	Annual Anchor at Camp Local	-	1	LS	15,000		15,000
10	Satellite TV		2	Months	300		600
8-Month Seasonal Cost						\$	702,425
				Avg	Cost per Day	\$	11,515
	\$	130.85					

Telephone Conversation Record

DATE: May 7, 2009

TO: Nick Salisbury, CRUX Subsurface, Inc., Spokane Valley, WA @ 509-892-9409

www.alaskasolutions.com (for info on and pictures of the barge camp)

FROM: Bill Creger, David Evans and Associates, Vancouver, WA @360-314-1600

RE: Floating Camp Pricing for the Juneau Access Improvements Project

Alaska Solutions is the name of the barge camp offered for use by CRUX Subsurface who performs geotechnical work in Alaska. The barge camp was recently refitted in 2008 with a capacity for 88 construction workers.

A crew of 5 with Head Cook, Bull Cook, Engineer, and two housekeepers/laundry persons working seven 10-hour shifts at prevailing wage would have composite hourly rates of roughly the following:

#	Description	Rate	Unit	# of Units		Subtotal
1	Head Cook	\$70	per Hour	10	=	700
1	Bull Cook	\$50	per Hour	10	==	500
1	Engineer	\$500	per Day	1	=	500
2	Cleaning/Launa	\$50	per Hour	10	=	1,000
	Rates include Joi	nes Act li	nsurance an	d MEL?		
					Subtotal	2,700 per day

Annual bare boat charter fee for Alaska Solutions, for 8-month season, would be \$1,800,000 and would include maintenance and inspections in Juneau dock during 4-month off season.

Cost for roundtrip tow to Juneau and back each season would be approximately \$20,000. Cost for initial mob from Ketchikan to Berner's Bay or Comet would be about \$20,000. Annual anchor pulling and setting fee would be \$15,000. P&I (Protection and Incident) insurance would run \$50,000 per year.

Average daily fuel use would be 200 gallons/day on marine diesel fuel which runs \$2.25 per gallon. There is a 30,000 gallon fuel storage tank on the barge and generally needs to be refueled/filled once a month when in full operation.

Food would run from \$25 to \$35 per day per person and that includes the cost of procuring and transporting the food to the construction camp.

Fuel barges run on regular schedules up and down Southeast Alaska providing fuel to various locations. A couple of those companies are Petro-Alaska (Seattle) and Delta Western (?). There is at least one more company, but couldn't think of name.

Barge comes with 4 each satellite phone lines (on the Iridium satellite system) and cost roughly \$1/min to operate the phones. Also comes with Starbound internet system. Server for internet is not provided. Satellite TV dish in mounted on the barge and monthly fee runs a few hundred per month.

FIELD OVERHEAD (FOH) COSTS

Appendix - Costs Page 10

GENERAL PROJECT ACTIVITY DURATIONS

Pre-Job Planning and Mob (covered in Mob/Demob)	Mob 1 Mob 2	Start 04/01/09 12/01/09	Finish 06/30/09 03/31/10	90 120 210 180 7	Calendar Days Calendar Days Calendar Days Work Days Months
Project Construction (Heavy) (covered in this item)	Year 1 2 3 4	Start 07/01/09 04/01/10 04/01/11 04/01/12	Finish 11/30/09 11/30/10 11/30/11 06/30/12 Subtotal	Duration 152 243 243 90 728 624 25	Calendar Days Calendar Days Calendar Days Calendar Days Calendar Days Work Days Months
3. Project Construction (Light) (covered in this item)	Year 4	Start 07/01/12	Finish 09/30/12 Subtotal	91 91 91 78 4	Calendar Days Calendar Days Work Days Months
4. Winter Shutdown (covered in this item) (minimal construction activity)	Year 1 2 3	Start 12/01/09 12/01/10 12/01/11	Finish 03/31/10 03/31/11 03/31/12 Subtotal	Duration 120 120 121 361 310 12	Calendar Days Calendar Days Calendar Days Calendar Days Work Days Months
5. Clean-up & Demob (covered in Mob/Demob)		Start 10/01/12	Finish 11/30/12	Duration 60 52 2	Calendar Days Work Days Months
6. Project Closeout (covered in this item)		Start 12/01/12	Finish 05/31/13	Duration 181 156 6	Calendar Days Work Days Months

FOH Assumptions

General Project Activity Durations used to help determine FOH costs for various phases of the project, as detailed below

Pre-Job planning and mob/demob staff time, Items #1 and #5 above, are included on "Mob/Demob" spreadsheet

Assume avg 6 - 10 hour workdays per week for all indicated work periods
Project Construction (Heavy) are periods during which full project staff is on the job
Project Construction (Light) are periods during which light project staff is on the job
Road maintenance crews will work only during 8-month construction season
Shutdown roadwork and most bridgework during winter for approximately 4-months
QC material testing facilities (included), AKDOT QA test facilities not included
Construction camp and worker per diem costs are included in "Camp Costs"
Cost related to construction equipment fuel distribution and FOH fuel, see
"FOH - Fuel Distribution" spreadsheet

FOH Activities

Field staff directs and monitors the field construction effort
Eagle Expert will work half time during all work except last season
Marine Mammal Expert will average work less than half time and not during last season
Road maintenance, 2 separate crews, working all but first and most of last seasons
Fuel distribution system for vehicles and storage tanks (see next spreadsheet)

2. Project Construction (Heavy)

Labor (Supervision) Project Manager	# 1	Rate 83.87	Hrs/Day 10	# Days 624	Subtotal 523,323	Subtotal
General Superintendent	1	83.87	10	624	523,323	
Excavation Superintendent	2	69.89	10	624	872,204	
Bridge Superintendent	1	69.89	10	624	436,102	
Master Mechanic	1	69.89	10	624	436,102	
Ass't Mechanic	2	50.32	10	624	627,987	
	8					3,419,042
Labor (Engineering)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Safety Engineer/EMT	2	69.89	10	624	872,204	
CPM Scheduler	1	67.09	10	624	418,658	
QC Supervisor	2	64.30	10	624	802,428	
Office Engineer	1	55.91	10	624	348,882	
Project Engineer	2	53.12	10	624	662,875	
Field Engineer	2	44.73	10	624	558,211	
	10					3,663,259
Labor (Office)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Field Office Manager	1	55.91	10	624	348,882	
Receptionist	1	39.14	10	624	244,217	
Accounting/Timekeeper	1	36.34	10	624	226,773	

David Evans and Associates

Clerk/Data Input	1	27.96	10	624	174,441	
	4					994,313
Labor (Other)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Eagle Expert	1	47.52	10	312	148,275	
Marine Mammal Expert	1	47.52	10	312	148,275	
Runner/Utility Person	2	27.96	10	624	348,882	
,					0.0,002	
	4					645,431
Labor (Road Maintenance)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Operating Engineer	2	59.00	10	564	665,520	
Teamster	2	52.00	10	564	586,560	
Laborer	2	49.00	10	564	552,720	
	6					1,804,800
Equipment (Field)	#	Rate	Unit	Quantity	Subtotal	Subtotal
PU Trucks 4x4	18	12.34	EA	3,120	693,014	
ATVs 4x4	8	10,000	EA		80,000	
ATV Vehicle Maint	8	100	Мо	31	24,800	
FB Truck, 2T	3	40,000	EA		120,000	
FB Truck Maint/Ins/Lic	3	250	Мо	31	23,250	
Forklift, 8K Telescoping	2	60,000	EA		120,000	
Forklift Maint/Ins/Lic	2	350	Mo	31	21,700	
Small Crew/Staff Boat	4	25,000	EA		100,000	
Radio System	3	5,000	EA		15,000	
Lab Trailer	1	2,000	Мо	31	62,000	
Curing Shed	2	17,000	EA		34,000	
NTESS Container	2	14,000	EA		28,000	
Mechanic Shop	2	1,500	Mo	31	93,000	
Portable Light Sets	4	7,000	EA		28,000	
Mechanic Tools/Parts	2	10,000	Mo	31	620,000	
Portable Generators, 35KW	2	15,000	EA		30,000	
Portable Generators, 12KW	2	3,000	EA		6,000	
Storage Containers	6	125	Мо	31	23,250	*
Office Small Tools	2	300	Мо	31	18,600	
						2,140,614
Equipment (Office)	#	Rate	Unit	# Month	Subtotal	Subtotal
Office Trailer (800 SF)	4	250	EA	31	31,000	
Office Trailer (400 SF)	2	175	EA	31	10,850	
Office Trailer Stairs	6	50	EA	31	9,300	
Portable Generator, 35KW	3	15,000	EA		45,000	
Portable Generator, 12KW	4	3,000	EA		12,000	
Portable Fuel Tanks	6	250	EA	31	46,500	
Portable Light Sets	6	7,000	EA		42,000	

File: P\F\FHAX0176\0100PM\Draft Z123 FOH

Portable Water Tanks Office Equipment	6	400	EA	31	74,400	
Office Furniture	1	600	Set	31	18,600	
Office Copier	4	250	EA	31	31,000	
Office Phone System	1	300	EΑ	31	9,300	
Office Drawing Copier	2	500	EA	31	31,000	
<u> </u>				3 1	120,000	
Computer Hrdwr Set-up	60	2,000	EA		•	
Computer Sftwr Set-up	60	2,000	EA		120,000	
Cell Phones	100	250	EA		25,000	
Cell Phone Service Plan	40	80	EA	31	99,200	
						725,150
Equipment (Road Maintenance	#	Rate	Unit	# Hours	Subtotal	Subtotal
Grader, 140H	2	75.68	HR	1,880	284,557	
Loader, 950	2	37.78	HR	1,880	142,053	
Dozer, D6N	2	44.00	HR	1,880	165,440	
Dump Truck	2	35.00	HR	5,640	394,800	
Haul Truck	. 2				78,960	
		35.00	HR	1,128		
Portable Generators, 35KW	2	15,000	EA		30,000	
Portable Generators, 12KW	2	3,000	EA		6,000	
Portable Water Tanks	2	400	EA	31	24,800	
Fuel Use	0	0	Gal	0	0	
(included in Fuel Costs)						1,126,610
						1,120,010
Materials	#	Rate	Unit	# Months	Subtotal	Subtotal
Office Supplies	6	250	EA	25	37,500	
First Aid Supplies	2	1,500	EA	25	75,000	
Safety Supplies	2	3,000	EΑ	25	150,000	
						262,500
Subs/Services	#	Unit	Rate	Quan	Subtotal	Subtotal
Set-up Cell Phone Service	1	LS	200,000		200,000	
Fixed Wing Air Support	1	Trip	1,320	104	137,280	
(1x per Week, 2-Hrs per Trip)	•		1,020	(Weeks)	, , , , , , , , , , , , , , , , , , , ,	
Helicopter Support	1	Trip	1,500	104	156,000	
· · · · · · · · · · · · · · · · · · ·	1	тпр	1,500		100,000	
(1x per Week, 1-Hr per Trip)	~~	D	0.050	(Weeks)	4 000 000	
Boat Support, 49 Passenger	7	Days	2,250	104	1,638,000	
(7 days per Week)				(Weeks)		
Boat Marine Fuel	104	Weeks	2.25	840	196,560	
(28x per Week @ 30-gal per l	RT)		(6	Gallons/Week)		
Airfare Seattle/Anchorage	20	Trip	1,000	3.5	70,000	
(2x per year for 10 key emplo	yees)	•				
•	. ,					2,397,840

Subtotal Item #2 17,179,559

Appendix - Costs

3. Project Construction (Light)

Labor (Supervision) Project Manager General Superintendent Excavation Superintendent Bridge Superintendent Master Mechanic Ass't Mechanic	# 1 1 1 1 2	Rate 83.87 83.87 69.89 69.89 69.89 50.32	Hrs/Day 5 5 10 10 10	# Days 78 78 78 78 78 78 78	Subtotal 32,708 32,708 54,513 54,513 54,513 78,498	
Fig. 1 /pm						307,452
Labor (Engineering)	#	Rate	Hrs/Day	•	Subtotal	Subtotal
Safety Engineer/EMT CPM Scheduler	1	69.89	10	78	54,513	
QC Supervisor	1	67.09	5	78	26,166	
Office Engineer	1	64.30	10	78 70	50,152	
Project Engineer	1	55.91	10	78	43,610	
Field Engineer	1	53.12	10	78	41,430	
riela Engliteel	1	44.73	10	78	34,888	
	6					250,759
Labor (Office)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Field Office Manager	1	55.91	10	78	43,610	Oubtotai
Timekeeper/Receptionist	1	39.14	10	78	30,527	
Accounting	1	36.34	10	78	28,347	
Clerk/Data Input	1	27.96	10	78	21,805	
					2.,500	
	4					124,289
Labor (Other)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Eagle Expert	0	47.52	10	78	0	Ountotu,
Marine Mammal Expert	0	47.52	10	78	ő	
Runner/Utility Person	1	27.96	10	78	21,805	
·				, ,	21,500	
	1					21,805
Labor (Road Maintenance)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Operating Engineer	0	59.00	10	78	0	oubtotu.
Teamster	0	52.00	10	78	. 0	
Laborer	0	49.00	10	78	0	
	0					0
Equipment (Field)	.u	.		_		
Equipment (Field)	#	Rate	Unit	Quantity	Subtotal	Subtotal
PU Trucks 4x4	10	12.34	HR	390	48,126	
ATVs 4x4	0	15,000	EA		0	
ATV Vehicle Maint	0	100	Мо	4	0	
FB Truck, 2T	0	45,000	EA		0	

File: P\F\FHAX0176\0100PM\Draft Z123 FOH

6/5/2009

FIELD OVERHEAD (FOH) COSTS JAI - Zones 1, 2, and 3 Echo Cove to Sweeny Creek

FB Truck, 2T Maint/Ins/Lic	1	250	Mo	4	1,000
Forklift, 8K Telescoping	0	60,000	EA		0
Forklift Maint/Ins/Lic	1	350	Мо	4	1,400
Small Crew/Staff Boat	1	350	Мо	. 4	1,400
Radio System	0	10,000	EA		0
Lab Trailer	1	2,000	Мо	4	8,000
Curing Shed	2	17,000	EΑ		34,000
NTESS Container	2	14,000	EA		28,000
Mechanic Shop	1	1,500	Мо	4	6,000
Portable Light Sets	1	7,000	EA		7,000
Mechanic Tools/Parts	1	5,000	Мо	4	20,000
Portable Generators, 35KW	0	15,000	EA		0
Portable Generators, 12KW	0	3,000	EA		0
Storage Containers	3	125	Мо	4	1,500
Office Small Tools	1	300	Мо	4	1,200
Fuel Use	0	0	Gal	0	0
(included in Fuel Costs)					

157,626

Equipment (Office)	#	Rate	Unit	# Month	Subtotal	Subtotal
Office Trailer (800 SF)	4	250	EA	4	4,000	
Office Trailer (400 SF)	2	175	EA	4	1,400	
Office Trailer Stairs	6	50	EA	4	1,200	
Portable Generator, 35KW	0	15,000	EA		0	
Portable Generator, 12KW	0	3,000	EA		0	
Portable Fuel Tanks	6	250	EA	4	6,000	
Portable Light Sets	0	900	EA	4	0	
Portable Water Tanks	6	400	EA	4	9,600	
Office Equipment						
Office Furniture	1	200	Sets	4	800	
Office Copier	4	150	EA	4	2,400	
Office Phone System	1	250	EA	4	1,000	
Office Drawing Copier	2	500	EΑ	4	4,000	
Computer Hrdwr Set-up	0	2,000	EA		0	
Computer Sftwr Set-up	. 0	2,000	EA		0	
Cell Phones	0	1,500	EA		0	
Cell Phone Service Plan	20	80	EA	4	6,400	

36,800

Equipment (Road Maintenance	#	Rate	Unit	# Hours	Subtotal	Subtotal
Grader, 140H	1	75.68	HR	260	19,677	
Loader, 950	1	37.78	HR	260	9,823	
Dozer, D6N	1	44.00	HR	260	11,440	
Dump Truck	1	35.00	HR	780	27,300	
Haul Truck	1	35.00	HR	156	5,460	
Portable Generators, 35KW	1	15,000	EA		15,000	
Portable Generators, 12KW	1	3,000	EA		3,000	
Portable Water Tanks	1	400	EA	4	1,600	

File: P\F\FHAX0176\0100PM\Draft Z123 FOH

6

David Evans and Associates

FIELD OVERHEAD (FOH) COSTS JAI - Zones 1, 2, and 3

Echo Cove to Sweeny Creek

6/5/2009

Fuel Use	0	0	Gal	0	0
(included in Fuel Costs)					

93,300

Materials	#	Rate	Unit	# Months	Subtotal	Subtotal
Office Supplies	3	250	EA	4	3,000	
First Aid Supplies	1	1,500	EA	4	6,000	
Safety Supplies	1	3,000	EA	4	12,000	

21,000

Subs/Services	#	Unit	Rate	Quan	Subtotal	Subtotal
Fixed Wing Air Support	0	Trip	1,320	13	0	
(0x per Week, 2-Hrs per Trip))	·		(Weeks)		
Helicopter Support	0	Trip	1,500	13	0	
(0x per Week, 1-Hr per Trip)				(Weeks)		
Boat Support, 49 Passenger	0	Days	2,500	. 13 ´	0	
(0 days per Week, up to 2 trij	os per	day)		(Weeks)		
Boat Marine Fuel	0	Weeks	2.15	480	0	
(0x per Week @ 80-gal per F	RT)		(0	3allons/Weel	ς)	

0

Subtotal Item #3 1,013,031

4. Winter Shutdown

Labor (Supervision)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Project Manager	1	83.87	5	310	129,992	
General Superintendent	1	83.87	5	310	129,992	
Excavation Superintendent	1	69.89	5	310	108,327	
Bridge Superintendent	1	69.89	5	310	108,327	
Master Mechanic	Ó	69.89	5	310	00,527	
Ass't Mechanic	0		5		•	
Assimechanic	U	50.32	ð	310	0	
	4					476,637
Labor (Engineering)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Safety Engineer/EMT	0	69.89	5	310	Ò	
CPM Scheduler	1	67.09	5	310	103,994	
QC Supervisor	1	64.30	5	310	99,661	
Office Engineer	0	55.91	5	310	99,001	
Project Engineer	2	53.12	5	310	164,657	
Field Engineer	0	44.73	5	310	0	
	4					368,311
1 -1 (OSS:)	.41	D.1.	11/5	.00	0.11.1	0.4.6.6.1
Labor (Office)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Field Office Manager	1	55.91	5	310	86,661	
Timekeeper/Receptionist	0	39.14	5	310	0	
Accounting	0	36.34	5	310	0	
Clerk/Data Input	0	27.96	5	310	0	
	1					86,661
Labor (Camp Custodians)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Custodians	2	27.96	2	103	11,555	oun total
Cattodiano	-	21.00	-	100	11,000	
	2					11,555
Equipment (Field)	#	Rate	Unit	Quantity	Subtotal	Subtotal
PU Trucks 4x4	2	12.34	HR	1,033	25,503	Oubiotai
Snowmobiles	2			1,033		
Snowmobiles	2	20,000	EA		40,000	
						65,503
Equipment (Office)	#	Rate	Unit	# Month	Subtotal	Subtotal
Home Office Overhead	0	0	EA	0	0	
(included in mark-up)						
Cell Phones	0	250	EΑ		0	
Cell Phone Service Plan	2	80	EA	4	640	
						640

640

6/5/2009

Materials Office Supplies	# 1	Rate 250	Unit EA	# Months 4	Subtotal 1,000	Subtotal
						1,000
Subs/Services	#	Unit	Rate	Quan	Subtotal	Subtotal
Fixed Wing Air Support (0x per Week, 2-Hrs per Trip)	0	Trip	1,320	52 (Weeks)	0	
Boat Support (0x per Week)	0	Days	1,600	52 (Weeks)	0	
Boat Marine Fuel (0x per Week @ 30-gal per F	0 RT)	Weeks	2.15 (. 80 Gallons/Week	0	

0

Subtotal Item #4 1,010,307

6. Project Closeout

Labor (Supervision) Project Manager General Superintendent Excavation Superintendent Bridge Superintendent Master Mechanic Ass't Mechanic	# 1 1 1 1 0	Rate 83.87 83.87 69.89 69.89 69.89 50.32	Hrs/Day 6 6 6 6 6 6	#Days 156 156 156 156 156 156	Subtotal 78,498 78,498 65,415 65,415 65,415	Subtotal
	5					353,243
Labor (Engineering)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Safety Engineer/EMT	0	69.89	6	156	0	
CPM Scheduler	1	67.09	5	156	52,332	
QC Supervisor	1	64.30	6	156	60,182	
Office Engineer	0	55.91	6	156	0	
Project Engineer	2	53.12	6	156	99,431	
Field Engineer	0	44.73	6	156	0	
	4	3				211,946
Labor (Office)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Field Office Manager	1	55.91	6	156	52,332	
Timekeeper/Receptionist	0	39.14	6	156	0	
Accounting	0	36.34	6	156	0	
Clerk/Data Input	ō	27.96	6	156	0	
Cionibata input	Ū	, ,,,,		,,,,	v	
	1					52,332
Labor (Other)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Runner/Utility Person	0	27.96	111 S/Day	# Days 156	0	Subtotal
Rumen Ounty Person	U	21.90	10	150	U	
	0					0
Equipment (Field)	#	Rate	Unit	Quantity	Subtotal	Subtotal
PU Trucks, 4x4	9	12.34	HR	390	43,313	
						43,313
		D * 6 ·	4.624	dt 80 t).	Oubtetel	Outh And all
Equipment (Office)	#	Rate	Unit	# Month	Subtotal	Subtotal
Home Office Overhead	0	0	EA	0	0	
(included in mark-up)						
Cell Phones	0	150	EA		0	
Cell Phone Service Plan	10	80	EA	6	4,827	
						4,827
Materials	#	Rate	Unit	# Months	Subtotal	Subtotal
marchais	T	Nate	Oint	# WOILIIS	JUDIOLAI	Junivial

File: P\F\FHAX0176\0100PM\Draft Z123 FOH

10

David Evans and Associates

6/5/2009

FIELD OVERHEAD (FOH) COSTS JAI - Zones 1, 2, and 3 Echo Cove to Sweeny Creek

Office Supplies	1	250	EA	6	1,508				
						1,508			
Subs/Services	#	Unit	Rate	Quan	Subtotal	Subtotal			
Airfare to Juneau	6	Trip	1,000	3.0	18,000				
Meals, Lodging, Rental Car	6	Trip	1,500		9,000				
(trips for 3 persons w/meals,	2 nigh	ts lodging a	and rental ca	ır)	·				
				•		27,000			
Subtotal Item #6									
			Subtotal	Items #2, #	#3, #4, and #6	19,897,066			
Fuel and Fuel Distribution for FOH Vehicles and Equipment									
Subtract Direct Cost Amount from BI 646 (1) CPM Scheduling									
					*TOTAL	22,667,921			

^{*} This Item will be distributed through the Bid Schedule Items

Appendix - Costs

BI #642 (1) Construction Surveying Per Standard and Special Specification Section 642

Assumptions

Survey party of 3 will be required at least full-time during construction Support two bridge workfaces up to 25-miles apart Support two roadway workfaces up to 26-miles apart

Activities

Recover control points from AKDOT and verify references
Reestablish missing points before clear, grub or excavation
Staking for clearing and grubbing limits
Traverse and level and submit traverse closure report
Cross-section for excavation and embankment quantities
Slope staking
Staking of culverts, signs, other drainage features
Bridge staking
Finish staking
Measurement of pay quantities
All other to complete the project

Labor (Surveying)

Surveyors (Party of 3)	2	210.00	10	654	2,746,800	
Surveyors (Party of 3)	1	210.00	10	78	163,800	
(includes vehicle, equipme	nt, and ma	aterials)				
					Lump Sum	2,910,600
					per Hour	445.05
Bl #642 (3) Three Person Sur						
(Upgrade to DEA Survey ra	ate of \$210	D/hr based or	n work in A	laska)	per Hour	230
(10	• • •			,	•	

Appendix - Costs

BI #644 (1) Field Office	05.4	O 000 05'				
(Two Field Offices, 1 @ 1,200		@ 800 SF)	EA	24	1E E00	
Office Trailer (800 sf) Office Trailer (400 sf)	2 1	250 175	EA	31 31	15,500 5,425	
Office Trailer Stairs	3	50	EA	31	4,650	
Portable Generator	4	15,000	EA	31	60,000	
Portable Fuel Tanks	3	5,000	EA		15,000	
Portable Water Tanks	2	7,500	EA		15,000	
Fuel Use	2	2.5	Gal	40,300	201,500	
(assume 25-gal per day per g			Ou.	10,000	201,000	
Office Equipment		,				
Office Furniture	2	300	Sets	31	18,600	
Office Copier	2	100	EA	31	6,200	
Office Phone System	0	250	EA	31	0	
						341,875
			Per	Office Cos	t 2	170,938
BI #644 (2) Field Laboratory						
(2 Field Laboratories)						
Field Laboratories	2	2,000	Мо	33	132,000	
Shipping Cost	2	8,000	LS		16,000	
						148,000
			Pe	er Lab Cost	t Each	49,333
						,
BI #644 (3) Curing Shed						
(2 Curing Sheds)						
Curing Shed	2	17,000	LS		34,000	
Shipping Cost	2	2,000	LS		4,000	
						00.000
					Lump Sum	38,000
BI #644 (4) Meal	#	Rate		# Days		
(for up to 10 AKDOT employee		raco		" Bayo		
Meals per Calendar Day	10	55	per Day	879	483,450	
·			,		·	
					Lump Sum	483,450
BI #644 (5) Lodging						
(for up to 10 AKDOT employee	s)					
Lodging per Calendar Day	10	85	per Day	879	747,150	
· · · · · · · · · · · · · · · · · · ·			,		•	
					Lump Sum	747,150
		140	per day			

BI #644 (8a) Vehicle, 4x4 SUV (3 each mid-sized 4x4 SUVs) SUV 4x4 Vehicle Maint/Ins/Lic Vehicle Fuel Shipping Cost	3 3 3 3	25,000 250 2.50 1,000	EA Mo Gal LS	33 25,740	75,000 24,750 193,050 3,000	295,800
		V	ehicle Cos	t Per Month	216	3,181
BI #644 (8b) Vehicle, 4x4 ATV (4 each 4x4 ATVs)	4	40.000			40.000	
ATV 4x4 Vehicle Maint/Ins/Lic	4	10,000 100	EA	33	40,000	
Vehicle Mainvins/Lic Vehicle Fuel	4 4	2.50	Mo Gal	33 17,160	13,200 171,600	
Shipping Cost	4	500	LS	17,100	2,000	
ompping door	•	000			2,000	
						226,800
		V	ehicle Cost	t Per Month	288	2,439
BI #644 (15) Nuclear Testing Equ (2 NTESSs)	ipme	nt Storage	Shed			
NTESS Storage	2	14,000	LS		28,000	
Shipping Cost	2	500	LS		1,000	
•					·	
					Lump Sum	29,000
BI #644 (16) Storage Container						
(Assume 2 each Storage Conta	ainers					
Storage Container	2	100	EA	33	6,600	
Shipping Cost	2	500	LS		1,000	
					Lump Sum	7,600
BI #646 (1) CPM Scheduling	.					
(Assume services during active		• •	***	00	0.47.500	
CPM Scheduling	1	7,500	MO	33	247,500	
					Lump Sum	247,500

	Calendar Days	Work Days	Work Hours		
Avg Annual Work Hours	365	313	3,130		
, wg , will dar , volk riodio	Base	Labor	0,100		Hourly
Classification	Salary	Burden	Subtotal	Subtotal	Rate
Project Manager	150,000	1.75	262,500		83.87
General Superintendent	150,000	1.75	262,500		83.87
Excavation Superintendent	125,000	1.75	218,750	•	69.89
Bridge Superintendent	125,000	1.75	218,750	218,750	69.89
Master Mechanic	125,000	1.75	218,750	218,750	69.89
Ass't Mechanic	90,000	1.75	157,500	157,500	50.32
	Base	Labor			Hourly
Classification	Salary	Burden	Subtotal	Subtotal	Rate
Safety Engineer/EMT	125,000	1.75	218,750	218,750	69.89
CPM Scheduler	120,000	1.75	210,000	210,000	67.09
QC Supervisor	115,000	1.75	201,250	201,250	64.30
Office Engineer	100,000	1.75	175,000	175,000	55.91
Project Engineer	95,000	1.75	166,250	166,250	53.12
Field Engineer	80,000	1.75	140,000	140,000	44.73
	Avg				
	Base	Labor			Hourly
Classification	Salary	Burden	Subtotal	Subtotal	Rate
Field Office Manager	100,000	1.75	175,000	175,000	55.91
Receptionist	70,000	1.75	122,500	122,500	39.14
Accounting/Timekeeper	65,000	1.75	113,750	113,750	36.34
Clerk/Data Input	50,000	1.75	87,500	87,500	27.96
Classification	Salary	Burden	Subtotal	Subtotal	Rate
Eagle Expert	85,000	1.75	148,750	148,750	47.52
Marine Mammal Expert	85,000	1.75	148,750	148,750	47.52
Runner/Utility Person	50,000	1.75	87,500	87,500	27.96
Custodians	50,000	1.75	87,500	87,500	27.96

Appendix - Costs Page 26

MOBILZATION AND DEMOBILIZATION COSTS

Appendix - Costs Page 28

MOB/DEMOB

Pre-Job Planning and Mob (covered in this item)	Mob 1 Mob 2	Start 04/01/09 12/01/09	Finish 06/30/09 03/31/10	Duration 90 120 210 180 7	Calendar Days Calendar Days Calendar Days Work Days Months
Project Construction (Heavy) (covered in FOH)	Year 1 2 3 4	Start 07/01/09 04/01/10 04/01/11 04/01/12	Finish 11/30/09 11/30/10 11/30/11 06/30/12 Subtotal	Duration 152 243 243 90 728 624 25	Calendar Days Calendar Days Calendar Days Calendar Days Calendar Days Work Days Months
3. Project Construction Light (covered in FOH)	Year 4	Start 07/01/12	Finish 09/30/12 Subtotal	91 91 91 78 4	Calendar Days Calendar Days Work Days Months
4. Winter Shutdown (covered in FOH)	Year 1 2 3	Start 12/01/09 12/01/10 12/01/11	Finish 03/31/10 03/31/11 03/31/12 Subtotal	Duration 120 120 121 361 310 12	Calendar Days Calendar Days Calendar Days Calendar Days Work Days Months
5. Clean-up & Demob (covered in this item)		Start 10/01/12	Finish 11/30/12	Duration 60 52 2	Calendar Days Work Days Months
6. Project Closeout (covered in FOH)		Start 12/01/12	Finish 05/31/13	Duration 181 156 6	Calendar Days Work Days Months

Appendix - Costs

Assumptions

Pre-Job planning and mob/demob staff time included in costs per Section 640 of the Standard and Special Specifications

Assume avg 6 - 10 hour workdays per week for all indicated work periods

Construction camp and construction offices operations costs included in "Camp Costs"

Mob/Demob Activities

Mob 1 - Staff for pre-job planning, contract admin paperwork, and planning for mob 1st season

Mob 2 - Staff for pre-job planning, contract admin paperwork, and planning for mob 2nd season

Mob/Demob construction camp, offices, and mechanic shops

Construct and deconstruct temporary road from camp to (E) Jualin Road

Construct and deconstruct temporary staging area near north end of Lace River Bridge

Mob/Demob construction equipment to jobsite

Mob/Demob materials to staging area in/near Juneau

Mob/Demob construction materials to jobsite included in respective bid items

1. Pre-Job Planning and Mob

Labor (Supervision)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Project Manager	1	83.87	10	180	150,958	
CPM Schedule	1	69.89	10	180	125,799	
General Superintendent	1	83.87	10	180	150,958	
Excavation Superintendent	2	69.89	10	180	251,597	
Bridge Superintendent	1	69.89	10	180	125,799	
Master Mechanic	1	69.89	10	180	125,799	
Ass't Mechanic	2	50.32	10	30	30,192	
	9					961,102
Labor (Engineering)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Project Engineer	2	53.12	10	180	191,214	
Field Engineer	2	44.73	10	180	161,022	
QC Supervisor	2	64.30	10	180	231,470	
Office Engineer	1	55.91	10	180	100,639	
Safety Engineer/EMT	2	69.89	10	30	41,933	
	9					726,278
Labor (Office)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Field Office Manager	1	55.91	10	180	100,639	
Clerk/Data Input	1	27.96	10	180	50,319	
Accounting	1	36.34	10	180	65,415	
Timekeeper/Receptionist	1	39.14	10	180	70,447	
	4					286,821

Labor (Other)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Runner/Utility Person	0	27.96	10	180	0	
Eagle Expert	0	47.52	10	180	0	
Marine Mammal Expert	0	47.52	10	180	0	
	0					0
Juneau and Site Barge Unload Unload and store materials in	Juneau		15	S Shifts		
Unload and store materials or	n site		20) Shifts		
	Su	btotal Shifts	35	Shifts		
Labor (Barge Staging)	#	Rate	Hrs/Day	#Shifts	Subtotal	Subtotal
Foreman	1	63.00	10	35	22,050	
Operating Engineer	1	59.00	10	35	20,650	
Crane Operator	1	65.00	10	20	13,000	
Teamsters	1	52.00	10	35	18,200	
Laborers	2	49.00	10	35	34,300	
	6					108,200
Equipment (Camp Pads, Road)	#	Rate	Unit	Quantity	Subtotal	Subtotal
PU Trucks 4x4	1	12.34	HR	175	2,160	
Haul Trucks (see below)	0		HR		. 0	
Forklift, 8T	2	1,600.00	МО	6	19,200	
						21,360
Materials	#	Rate	Unit	# Months	Subtotal	Subtotal
Rigging	1	50,000	LS		50,000	
Fuel, Diesel	3,500	2.25	Gal		7,875	
					, -	

57,875

Site Activities Clear and grub field office pad and maint shops Clear and grub access road/staging area Subtotal for clear and grub Field office camp offices and parking pad Mechanical Shop pad 2 85,120) SF) SF) SF) SF	7	Shifts
Staging area for Bridge materi Subtotal for pads	ais and	ı equip	170,240 425,600		27	Shifts
Access road from camp to (E)	Jualin	Road	90,000	SF	21	Shifts
Deconstruct of all pads, stagin	g area	s, and temp r	oads		31	Shifts
				Total Shifts	86	
Labor (Camp Pads, Road) Foreman Operating Engineer Teamster Laborer Per Diem (not included in Construction Co	# 1 2 2 2 7	Rate 63.00 59.00 52.00 49.00 75.00	Hrs/Day 10 10 10 10	#Shifts 86 86 86 86 86	Subtotal 54,180 101,480 89,440 84,280 45,150	Subtotal
(not included in Construction (7 7	and rei Dien	1)			374,530
Equipment (Office) Cell Phones Cell Phone Service Plan	# 2 2	Rate 250 80	Unit EA EA	# Month	Subtotal 500 640	Subtotal
						1,140
Equipment (Camp Pads, Road) PU Trucks 4x4 Forklift, 8T	# 1 1	Rate 12.34 1,600.00	Unit HR MO	Quantity 175 4	Subtotal 2,160 6,400	Subtotal
						8,560
Equipment (Camp Pads, Road) PU Trucks 4x4 Excavator, 330 Dozer, D8T Dump Truck, 730 Grader Vibratory Roller Storage Containers Portable Generators Portable Light Sets Fuel Storage Tanks	# 2 1 2 2 1 1 2 2 1	Rate 12.34 73.85 102.00 78.50 75.68 38.75 125 1,060 900 250	Unit HR HR HR HR HR MO MO MO	Quantity 860 430 430 430 287 172 4 4 4	Subtotal 21,225 31,756 87,720 67,510 21,695 6,665 1,000 8,480 7,200 1,000	Subtotal

Appendix - Costs

Safety Supplies	1	500	Мо	4	2,000	
						256,250
Materials Aggregate for Pad Aggregate for Temp Road Fileter Fabric Fuel, Diesel	# 31,526 16,667 515,600 10,750	Rate 10 10 0 2.25	Unit CY CY SF Gal	# Months	Subtotal 315,259 166,667 51,560 24,188	Subtotal
						557,673
Subs/Services PreMob Services	#	Unit	Rate	Quan	Subtotal	Subtotal
Helicopter Support (1x trips per month)	1	Trip	1,500	3 (# of Months)	4,500	
Airfare Seattle/Anchorage (3 employees per month)	3	Trip	1,000	3 (# of Months)	9,000	
Hotel/Food/Rental Car (3 employees for 3 days and	3 d nights)	Trip	2,250		6,750	
During Mob 1 Services						
Trucking Zone 1 Equip	160	HRs	80		12,800	
Barge Zone 2,3 Equip	3	Trips	30,000		90,000	
Float Plane Air Support	.1	Trip	1,320	8	10,560	
(1x trips per week)				(# of Weeks)		
Helicopter Support	1	Trip	1,500	8	12,000	
(1x trips per week)				(# of Weeks)		
Airfare Seattle/Anchorage	3	Trip	1,000	3	9,000	
(3 employees per month)				(# of Months)		
Hotel/Food/Rental Car	3	Trip	2,250		6,750	
(3 employees for 3 days and						
During Construction Field Offi	ice Pad an	d Access	s Road Wo	ork		
Float Plane Air Support	1	Trip	1,320	9	11,880	
(1x trips per week)				(# of Weeks)		
Helicopter Support	1	Trip	1,500	9	13,500	
(1x trips per week)				(# of Weeks)		
Boat Support	6	Trip	2,500	9	135,000	
(6x to and from Slate Cove p	er week)			(# of Weeks)		
Airfare Seattle/Anchorage	3	Trip	1,000	3	9,000	
(3 employees per month)						
Hotel/Food/Rental Car	3	Trip	2,250		6,750	
(3 employees for 3 days and	nights)					
Equip Mob #2/Demob						
Mob Equip to Staging Area	2	LS	15,000		30,000	
Equip Storage Anacordas	2	SF	0.08	85,120	13,619	
(2 acres for 2 months)	_					
Wharfage & Handling	2	LS	40,000		80,000	
Equipment Lashing in Port	2	LS	700,000		1,260,000	

File: P\F\FHAX0176\0100PM\Draft Z123 Mob-Demob

6/5/2009

MOB/DEMOB COSTS JAI - Zones 1, 2, and 3 Echo Cove to Sweeny Creek

Tug, Swift Class 5,750 BHP Barge for Equip 400x100x20	2 4	Trips Trips	45,000 30,000	12 12	972,000 1,296,000	
Camp Mob/Demob						
Camp Floating Mob	1	LS	20,000		20,000	
Camp Floating DeMob	1	EA	20,000		20,000	
						4,029,109
			Subtota	l item #1	7,388,898	7,388,898

Appendix - Costs

5. Clean-up & Demob

Labor (Supervision)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Project Manager	1	83.87	10	52	43,610	
CPM Schedule	1	69.89	10	52	36,342	
General Superintendent	1	83.87	10	52	43,610	
Excavation Superintendent	1	69.89	10	52	36,342	
Bridge Superintendent	1	69.89	10	52	36,342	
Master Mechanic	1	69.89	10	52	36,342	
Ass't Mechanic	1	50.32	10	52	26,166	
	7					258,754
Labor (Engineering)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Project Engineer	1	53.12	10	52	27,620	Oubtotui
Field Engineer	1	44.73	10	52	23,259	
QC Supervisor	1	64.30	10	5 2	33,435	
Office Engineer	1	55.91	10	52	29,073	
Safety Engineer/EMT	1	69.89	10	52	36,342	
	 .					
	5					149,728
Labor (Office)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Field Office Manager	1	55.91	10	52	29,073	
Clerk/Data Input	1	27.96	10	52	14,537	
Accounting	1	36.34	10	52	18,898	
Timekeeper/Receptionist	1	39.14	10	52	20,351	
	4					82,859
Labor (Other)	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Runner/Utility Person	1	27.96	10	52	14,537	
Eagle Expert	0	47.52	10	52	0	
Marine Mammal Expert	0	47.52	10	52	0	
	1					14,537
Equipment (Field)	#	Rate	Unit	Quantity	Subtotal	Subtotal
PU Trucks, 4x4	12	12.54	HR	260	39,125	- 300 45 494
						30 125

Equipment (Office) Home Office Overhead (included in mark-up)	# 0	Rate 0	Unit EA	# Month 0	Subtotal 0	Subtotal
Cell Phones	0	1,500	EA		0	
Cell Phone Service Plan	16	858	EA	2	27,456	
						27,456
Materials	#	Rate	Unit	# Months	Subtotal	Subtotal
Office Supplies	1	500	EA	2	1,000	
						1,000
Subs/Services	#	Unit	Rate	Quan	Subtotal	Subtotal
None	Ô				0	
						0
			Subt	otal Item #5	573,459	573,459
		то	TAL Item	s #1 and #5	7,962,358	7,962,358

Appendix - Costs

MOB/DEMOB COSTS JAI - Zones 1, 2, and 3 Echo Cove to Sweeny Creek

Avg Annual Work Hours	Calenda Days 365 Avg	Work Days 313	Work Hours 3,130		
	Base	Labor			Hourly
Classification	Salary	Burden	Subtotal	Subtotal	Rate
Project Manager	150,000	1.75	262,500	262,500	83.87
CPM Schedule	125,000	1.75	218,750	218,750	69.89
General Superintendent	150,000	1.75	262,500	262,500	83.87
Excavation Superintendent	125,000	1.75	218,750	218,750	69.89
Bridge Superintendent	125,000	1.75	218,750	218,750	. 69.89
Master Mechanic	125,000	1.75	218,750	218,750	69.89
Ass't Mechanic	90,000	1.75	157,500	157,500	50.32
	Avg				11 a contra
	Base	Labor	0-4-4-4-1	0	Hourly
Classification	Salary	Burden	Subtotal	Subtotal	Rate 53.12
Project Engineer	95,000	1.75	166,250	166,250	
Field Engineer	80,000 115,000	1.75 1.75	140,000 201,250	140,000 201,250	44.73 64.30
QC Supervisor Office Engineer	100,000	1.75	175,000	175,000	55.91
Safety Engineer/EMT	125,000	1.75	218,750	218,750	69.89
Salety Engineen/Livi1	120,000	1.70	210,700	2.10,700	00.00
	Avg				
	Base	Labor			Hourly
Classification	Salary	Burden	Subtotal	Subtotal	Rate
Field Office Manager	100,000	1.75	175,000	175,000	55.91
Clerk/Data Input	50,000	1.75	87,500	87,500	27.96
Accounting	65,000	1.75	113,750	113,750	36.34
Timekeeper/Receptionist	70,000	1.75	122,500	122,500	39.14
Classification	Salary	Burden	Subtotal	Subtotal	Rate
Runner/Utility Person	50,000	1.75	87,500	87,500	27.96
Eagle Expert	85,000	1.75	148,750	148,750	47.52
Marine Mammal Expert	85,000	1.75	148,750	148,750	47.52

Appendix - Costs Page 38

DRAIN HOLE COSTS

Appendix - Costs Page 40

DRAIN HOLE COSTS JAI - Zones 1, 2, and 3

BID ITEM No. 203 (12) - Drain Holes

Reference Sheet J2 (231)

Reference Standard & Special Specification 203-3.02.4

Assumptions

Assume avg 6 - 10 hour workdays per week for all indicated work periods Assume that travel to and from work face will average 1-hour per shift Drain holes will follow each lift of excavation All drain holes will be 20-feet in length with 2% slope to drain All drain holes will be drilled near bottom of lift No drain holes through boulders in talus

Activities

Move drain holes equipment to the work zone Drill minimum 3-inch diameter hole

Production

Lineal feet of drain hole to install	11,000 EA
Depth of drain hole	20 LF
Total number of drain holes	550 EA
Avg daily production rate of drain holes	4 EA
Number of working days to install	138 Days

Labor	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Foreman	1	56.00	10	138	77,280	
Laborer - Driller	1	50.00	10	138	69,000	
Laborer - Chuck Tender	1	49.00	10	138	67,620	
Laborer - Grout Mixer	1	49.00	10	138	67,620	
Laborer - Bar Make-up	1	49.00	10	138	67,620	
Laborer - Forklift	1	49.00	10	138	67,620	
Laborer - Tension	1	49.00	10	138	67,620	
	7					484,380
Equipment	#	Rate	Unit	Quantity	Subtotal	Subtotal
PU Trucks 4x4	1	12.54	HR	1,380	17,305	
(all equipment costs below are	e covere	d in rockboll	ting, except	as shown be	elow)	
Air Track Drill, ECM 350	0	40,000	EA		0	
Air Compressor, 1200 cfm	2	4,000	Мо	5	40,000	
Drill Steel	2	9,000	Sets		18,000	
Drill Bits	12	121.50	EA		1,458	
Spare/Replace Parts	1	10,000	LS		10,000	
Water Trailer	2	400	Мо	5	4,000	
FB Truck	1	1,200	Мо	5	6,000	
Radio System	0	5,000	EA		0	
						96,763
Materials	#	Rate	Unit		Subtotal	Subtotal
Drill Steel Grease	138	22.50	Tubs		3,105	

File: P\F\FHAX0176\0100PM\Z1,2,3 Drain Hole

DRAIN HOLE COSTS JAI - Zones 1, 2, and 3

6/5/2009

3,105

Subs/Services # Rate Unit Quan Subtotal Subtotal Drill Steel Grease 0 0.00 0

0 .

Subtotal 584,248 584,248

Cost per LF of Drain Hole 53

STABLIZATION – ROCK BOLTS COSTS

Appendix - Costs

Appendix - Costs Page 44

ROCKBOLTING COSTS JAI - Zones 1, 2, and 3

BID ITEM No. 203 (13) - Stabilization - Rock Bolt

Reference Sheet J2 (231)

Reference Standard & Special Specification 203-3.02

Assumptions

Assume avg 6 - 10 hour workdays per week for all indicated work periods

Assume that travel to and from work face will average 1-hour per shift

Rockbolting will follow each lift of excavation

Pattern rock bolting will be used for 80% of the rockbolt quantities

Pattern rock bolts will be spaced 20-ft OC equidistant in horiz and vert directions

Spot rock bolting will be used for 20% of the rockbolt quantities

Spot rock bolts will be placed as directed by AKDOT with a steel plate and nut

Spot rock bolt lengths will be 25-feet long

Rock bolts will be per the detail on Sheet J1 (231)

All rock bolts will be 20-feet in length and use bare #8 Grade 75 bar

All rock bolts will be grouted with non-shrink cement grout

Rock bolts will be tensioned up to allowable limit based on #8 bar (approx. 50 Kips)

Anticipate need for high-lift equipment or rappelling tor 40% of spot rock bolt installation

No rockbolting through boulders in talus

Activities

Move rockbolting equipment to the work zone
Drill minimum 3-inch diameter hole
Insert bare bar with spacers located at 8 feet on center
Mix and place grout in the annular space of the hole
Tension the rockbolt with center hole test ram and chair

Production

Number of rock bolts to inst	tall	3,330	EΑ
Pattern rock bolts	80%	2,664	EΑ
Spot rock bolts	20%	666	EA
Buy Length of Bar		27	LF
Total length of bar installed		89,910	LF
Daily production rate Patter	8	EΑ	
Number of working days to	333	Days	
Daily production rate Spot E	Bolts	5	EA
Number of working days to	install	134	Days

Labor	#	Rate	Hrs/Day	#Days	Subtotal	Subtotal
Foreman	1	56.00	10	467	261,520	
Laborer - Driller	1	50.00	10	467	233,500	
Laborer - Chuck Tender	1	49.00	. 10	467	228,830	
Laborer - Grout Mixer	1	49.00	10	467	228,830	
Laborer - Bar Make-up	1	49.00	10	467	228,830	
Laborer - Forklift	1	49.00	10	467	228,830	
Laborer - Tension	1	49.00	10	467	228,830	
	7					1,639,170
Equipment PU Trucks 4x4	# 1	Rate 13	Unit HR	Quantity 4,670	Subtotal 58,562	Subtotal

File: P\F\FHAX0176\0100PM\Z1,2,3 Rockbolting

ROCK	(BOLT	ING (COSTS
JAI -	Zones	1, 2,	and 3

6/5/2009

Air Track Drill, ECM 350	2	35,000	EA		70,000
Air Compressor, 1200 cfm	2	4,000	Мо	26	208,000
Pnuematic Drills	2	25,000	Set-ups		50,000
Man-Lift 60-ft Reach	2	20,000	EA		40,000
Drill Steel	6	4,500	Sets		27,000
Drill Bits	113	121.50	EA		13,730
Equip Spare/Replace Parts	1	50,000	LS		50,000
ChemGrout Mixer/Pump	2	40,000	EΑ		80,000
Generator, 12 KW	2	3,000	EA		6,000
Forklift, 8K Telescoping	2	1,500	Мо	26	78,000
Water Trailer	2	400	Мо	26	20,800
FB Truck	1	1,200	Мо	26	31,200
Test Ram, 60T	2	800	Мо	26	41,600
Rope Rapelling Gear	16	1,500	Sets		24,000
Radio System	1	5,000	EA		5,000

803,891

Materials	#	Rate	Unit	Subtotal Subtotal
Buy Bare Bar, #8 Gr 75	98,901	1.37	LF	135,297
Centralizers, PVC	10,989	1.35	EA	14,835
Steel Plates, 6x6x1	699	9.00	EA	6,294
Beveled Washer	3,663	0.90	EA	3,297
Flat Washer	3,663	0.18	EA	659
Nuts, #8	699	4.50	EA	3,147
Cement, Bags	7,005	10.80	Bag	75,652
Testing Chair	8	250.00	EA	2,000
Packers	20	292.50	EA	5,850
Bearing Pad Materials	3,663	13.50	EA	49,451
Cold Tar	416	22.50	Tubs	9,366
Drill Steel Grease	333	22.50	Tubs	7,493

313,339

Subs/Services	#	Rate	Unit	Quan	Subtotal	Subtotal
Deliver Materials to Seattle	1	3,800	LS		3,800	
Deliver Materials to Jobsite	350	200	Ton		70,066	

2

90,487

Subtotal	2,846,887	2,846,887
----------	-----------	-----------

Cost per Rockbolt 855

Appendix - Costs

ROADWAY COSTS

Appendix - Costs Page 48

Item Numbe	r Item Description	Pay Unit	Quantity	Unit Bid Price	Amount Bid
201 (1A)	Clearing	Acre	150	\$2,820.69	\$423,103.91
201 (1B)	Clearing - Zones 1, 2, & 3	Acre	144	\$3,173.26	\$456,949.53
201 (6)	Selective Tree Removal	Each	350	\$68.65	\$24,026.01
202 (4)	Removal of Culvert Pipe	Linear Foot	530	\$10.26	\$5,436.66
203 (2)	Rock Excavation	Cubic Yard	1,804,700	\$8.88	\$16,028,617.95
203 (3)	Unclassified Excavation	Cubic Yard	786,900	\$3.04	\$2,388,984.99
203 (5)	Borrow	Cubic Yard	242,500	\$2.50	\$606,250.00
203 (10)	Controlled Blasting	Square Yard	148,000	\$11.85	\$1,753,800.00
203 (19)	Barrier Rocks	Linear Foot	4,000	\$12.18	\$48,727.07
301 (1)	Aggregate Base Course, Grading	Ton	97,120	\$11.55	\$1,121,809.91
306 (1)	Asphalt Treated Base	Ton	47,525	\$23.20	\$1,102,580.00
401 (1)	Asphalt Concrete, Type II; Class B	Ton	51,360	\$25.20	\$1,294,272.00
401 (2)	Asphalt Cement, Grade 58-28	Ton	5,232	\$510.30	\$2,669,889.60
402 (1)	STE-1 Asphalt for Tack Coat	Ton	125	\$510.30	\$63,788.00
507 (6)	Safety Railing	Linear Foot	1,553	\$6.30	\$9,784.19
511 (1)	Mechanically Stabilized Earth Wall	Square Foot	22,306	\$62.83	\$1,401,414.21
602 (3A)	Structural Plate Arch 20' Span, 8'3 1/2" Rise, 7 Gage	Linear Foot	50	\$1,629.06	\$81,453.05
602 (3B)	Structural Plate Arch 35' 4" Span, 11' 5' Rise, 7 Gage	Linear Foot	52	\$2,863.44	\$148,898.98
603 (17-24)	24 Inch Pipe	Linear Foot	10,877	\$40.30	\$438,323.08
603 (17-36)	36 Inch Pipe	Linear Foot	7,312	\$55.16	\$403,322.56
603 (17-48)	48 Inch Pipe	Linear Foot	1,434	\$77.30	\$110,853.53
603 (17-60)	60 Inch Pipe	Linear Foot	664	\$142.73	\$94,773.78
603 (17-72)	72 Inch Pipe	Linear Foot	504	\$199.71	\$100,653.13
603 (17-144)	144 Inch Pipe	Linear Foot	120	\$504.12	\$60,494.16
606 (1)	W-beam Guardrail	Linear Foot	4,400	\$25.00	\$110,000.00
606 (11)	Extruder Terminal (ET-2000)	Each	36	\$2,250.00	\$81,000.00
610 (3)	Ditch Lining	Station	25	\$764.83	\$19,120.81
611 (3)	Riprap Slope Stabilization	Square Yard	3,222	\$1.74	\$5,617.03
615 (1)	Standard Sign	Square Foot	1,872	\$20.00	\$37,440.00
618 (1)	Seeding	Acre	94	\$4,679.79	\$439,900.00
619 (2)	Matting	Square Yard	59,000	\$0.99	\$58,654.03
630 (1)	Geotextile, Separation	Square Yard	130,000	\$0.82	\$106,380.51
31 (2)	Geotextile, Erosion Control, Class 1	Square Yard	3,740	\$1.85	\$6,901.86
633 (1)	Silt Fence	Linear Foot	57,000	\$2.25	\$128,250.00
37 (1)	Reinforced Soil Slope	Square Foot	500	\$27.45	\$13,724.08
341 (1)	Erosion And Pollution Control Administration	Lump Sum	All Required	\$720,672.13	\$720,672.13

641 (2)	Temporary Erosion And Pollution Control	Contingent Su	All Required	\$529,410.00	\$529,410.00
641 (5)	Preliminary Seeding	Acre	47	\$3,851.06	\$181,000.00
641 (6)	Temporary Rock Check Dam	Each	540	\$50.00	\$27,000.00
641 (8)	Settling Pool	Each	8	\$566.25	\$4,530.00

TOTAL ROADWAY DIRECT COST AMOUNT \$33,307,806.75

Amount Before Shipping	Tons	Cost per Ton	Shipping Cost	Amount After Shipping	Quanitity	Unit Price w/Shipping
423,103.91	0	200.00	0.00	423,103.91	150	2,820.69
456,949.53	0	200.00	0.00	456,949.53	144	3,173.26
24,026.01	0	200.00	0.00	24,026.01	350	68.65
5,436.66	0	200.00	0.00	5,436.66	530	10.26
16,028,617.95	0	200.00	0.00	16,028,617.95	1804700	8.88
2,388,984.99	0	200.00	0.00	2,388,984.99	786900	3.04
606,250.00	0	200.00	0.00	606,250.00	242500	2.50
1,753,800.00	0	200.00	0.00	1,753,800.00	148000	11.85
48,727.07	0	200.00	0.00	48,727.07	4000	12.18
1,121,809.91	0	200.00	0.00	1,121,809.91	97120	11.55
1,102,580.00	0	200.00	0.00	1,102,580.00	47525	23.20
1,294,272.00	0	200.00	0.00	1,294,272.00	51360	25.20
2,669,889.60	0	200.00	0.00	2,669,889.60	5232	510.30
63,788.00	0	200.00	0.00	63,788.00	125	510.30
7,784.19	10	200.00	2,000.00	9,784.19	1553	6.30
1,202,214.21	996	200.00	199,200.00	1,401,414.21	22306	62.83
79,453.05	10	200.00	2,000.00	81,453.05	50	1,629.06
144,698.98	21	200.00	4,200.00	148,898.98	52	2,863.44
415,523.08	114	200.00	22,800.00	438,323.08	10877	40.30
383,922.56	97	200.00	19,400.00	403,322.56	7312	55.16
104,853.53	30	200.00	6,000.00	110,853.53	1434	77.30
90,773.78	20	200.00	4,000.00	94,773.78	664	142.73
96,853.13	19	200.00	3,800.00	100,653.13	504	199.71
56,294.16	21	200.00	4,200.00	60,494.16	120	504.12
110,000.00	0	200.00	0.00	110,000.00	4400	25.00
81,000.00	0	200.00	0.00	81,000.00	36	2,250.00
19,120.81	0	200.00	0.00	19,120.81	25	764.83
5,617.03	0	200.00	0.00	5,617.03	3222	1.74
37,440.00	0	200.00	0.00	37,440.00	1872	20.00
439,900.00	0	200.00	0.00	439,900.00	94	4,679.79
50,654.03	40	200.00	8,000.00	58,654.03	59000	0.99
99,380.51	35	200.00	7,000.00	106,380.51	130000	0.82
4,701.86	11	200.00	2,200.00	6,901.86	3740	1.85
128,250.00	0	200.00	0.00	128,250.00	57000	2.25
13,724.08	0	200.00	0.00	13,724.08	500	27.45
720,672.13	0	200.00	0.00	720,672.13 A	II Required	720,672.13

529,410.00	0	200.00	0.00	529,410.00 All F	lequired	529,410.00
125,000.00	280	200.00	56,000.00	181,000.00	47	3,851.06
27,000.00	0	200.00	0.00	27,000.00	540	50.00
4,530.00	0	200.00	0.00	4,530.00	8	566.25
32,967,006.75	1,704		340,800.00	33,307,806.75 33,307,806.75 Chec	ok	

Appendix - Costs Page 52

MATERIALS LISTS

JAI - Juneau Access Improvement

ZONES 1, 2, AND 3

AK
7
교
of Junear
FJui
<u>~</u>
0
Ŧ
9
ō
+
₹ Y
5
3S,
ğ
Ö
ğ
Ä
-
ž
ğ
Ň
Ē
2
0
Ę.
Ž,
Š
ges
ä
ä
3 of
õ
.ਜ਼
Ξ.
ملت

Appendix - Costs Page 54

Asok

Page 1 05/15/2009 15:56

Activity Resource	Desc	Pcs	Quantity Un	it	Un Cos		Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total	
BID ITEM Description =	= 2010 Clearing - Zone 1			υ	nit= ACRI	∃ Takeoff	Quan:	150.000	Engr	Quan:	150.000	
		265-01412-0200-0200-0200	entrolesia (mentre processo)	earna an amhair an ann a	silakii vaa vaa vaa vaa vaa vaa vaa vaa vaa v	VZSAGOS ANTONOS DA SU						
2010A	Clearing - Zone 1A			Q	uan; 75.6	0 ACR Hr	/Shft: 1	0.00 Cal:	610 WC	:ORI		
CLEAR	Clearing Crew			166.66 C	H Prod			Lab Pes:	10.00	Eqp Pcs:	14.00	accessor.
8D6	D6N	1.00	166.67 HR		37.000)			6,167	- 46 - 401	6,167	
8E320	320 EXCAVATOR	00.1	166.67 HR		44.000)			7,333		7,333	
	LS Misc Small Tools	10.00	1,666.67 HR		10.000)			16,667		16,667	
8TPU	PICKUP	2.00	333.33 HR		12.340)			4,113		4,113	
LABI	Laborer 1: ACPaver, C		1,166.67 MF		28.24	65,678			,		65,678	
OE1	Oper. 1: Dozers, Sm Le	oader 2.00	333.33 MH		36.190	22,786					22,786	
OEF	Oper. Foreman	1.00	166.67 MH		40.000	12,321					12,321	
\$135,065.44	22.2222 M		1,666.67 MH		[803.884]	100,785			34,280		135,065	
0.4500 U	nits/Hr 4.5002 U	n/Shift *	16.6660 Shi	ts		1,343.80			457.07		1,800.87	
											2005-000 E-1000	3953 5
2010B	Clearing - Zone 1B				ian: 75.0			0.00 Cal:	CATALOGICAL AND	OR1		
CLEAR	Clearing Crew			14.28 CI			US	Lab Pcs:	10.00	Eqp Pcs:	14.00	
8D6	D6N	1.00	214.29 HR		37.000				7,929		7,929	
8E320	320 EXCAVATOR	1.00	214.29 HR		44.000				9,429		9,429	
8TPU	S Misc Small Tools	10.00	2,142.86 HR		10.000				21,429		21,429	
LABI	PICKUP	2.00	428.57 HR		12.340				5,289		5,289	
OEI	Laborer 1: ACPaver, G		1,500.00 MH		28.240						84,443	
OEF	Oper. 1: Dozers, Sm Lo Oper. Foreman		428.57 MH		36.190	•					29,296	
\$173,655.56	28.5714 M	1.00	214.29 MH		40.000	,					15,842	
0.3500 Un			2,142.86 MH 21.4280 Shif		[1033.565 J				44,075		173,656	
O.SSOO OI		monne.	21.4200 3311	.S		1,727.75			587.66		2,315.41	
2010C	Burning Zone 1A			Oi	an: 75.0	n ACD Hee	Q1.66. 17	100 Cat 6	10 WC.	ODI		
BURN	Burning Crew	etermen i ventre en en ventre e	1	66.66 CH	Prod:			Lab Pcs:	3.00	Eqp Pes:	2.00	1919
8E330	330 Excavator	1.00	166.67 HR	00.00	73.850		00	Lab i cs.	12,309	Eqp res.	12,309	
TWT8	WATER TRUCK	1.00	166.67 HR		27.820				4,637		4,637	
LAB1	Laborer 1: ACPaver, G	en.L 1.00	166.67 MH		28.240	9,383			1,057		9,383	
OEI	Oper. 1: Dozers, Sm Lo		166.67 MH		36.190	11,393					11,393	
OEF	Oper. Foreman	1.00	166.67 MH		40.000	12,321					12,321	
\$50,042.53	6.6668 MI	H/ACRE	500.01 MH		[270.758]	33,097			16,945		50,043	
0.4500 Un	its/Hr 4.5002 Un	n/Shift *	16.6660 Shift	s		441.30			225.94		667.23	
							NOCONTROPOS	(sebakatikanakas tases	Marketter	TOPAS CARTES ACCUSADOS (NO	MARSON COMMANDES	erstere e-
2010D	Burning Zone 1B			Qu	an: 75.00	ACR Hrs/	Shft: 10	.00 - Cal: 6	10 WC:	OR1		
BURN	Burning Crew		2	4.28 CH	Prod:			Lab Pcs:	3.00	Eqp Pes:	2.00	NUTRAL S
3E330	330 Excavator	00.1	214.29 HR		73.850				15,825		15,825	
RTWT	WATER TRUCK	1.00	214.29 HR		27.820				5,962		5,962	
LAB1	Laborer 1: ACPaver, Ge		214.29 MH		28.240	12,064			,		12,064	
DEI	Oper. 1: Dozers, Sm Loz	ader 1.00	214.29 MH		36.190	14,648					14.648	
DEF	Oper. Foreman	1.00	214.29 MH		40.000	15,842					15,842	
64,340.38	8.5716 MF	H/ACRE	642.87 MH		[348.117]	42,554			21,787		64,340	
	its/Hr 3.5001 Un	/Shift *	21.4280 Shift	;		567.38			290.49		857.87	
0.3500 Uni												
					_							
> Item '	Totals: 2010	- Clearing	•		_			***************************************				
	Totals: 2010 33.0160 MH/ACR 150 A(E	z - Zone 1 4,952.41 MH		[1228.162]	306,017		1	17,087		123,104	

Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 2 05/15/2009 15:56

TATE OF THE OWN	COCT	REPORT
DIECHC	1 1251	14 14 14 14 1

Activity Resource	Desc	Pcs	Quantity	Unit		Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total	
BID ITEM = Description =	2012 Clearing - Zones 2 & 3				Unit =	ACRE	Takeoff (Quan:	144.000	Engr	Quan:	144.000	
2012A	Clearing - Zones 2 &	3			Ouan:	144.00	ACR Hrs	Shft: 1	0.00 Cal:	610 WC	:ORI		
CLEAR	Clearing Crew		VOTER CONTACTOR	411.42	CH	Prod:	3.5000		Lab Pcs:	10.00	Eqp Pcs:	14.00	with the same
8D6	D6N	1.00	411.43	HR		37.000				15,223	••	15,223	
8E320	320 EXCAVATOR	1.00	411.43	HR		44.000				18,103		18,103	
8SMALLTOOLS	Misc Small Tools	10.00	4,114.29	HR		10.000				41,143		41,143	
8TPU	PICKUP	2.00	822.86	HR		12.340				10,154		10,154	
LAB1	Laborer 1: ACPaver, C	Sen.L 7.00	2,880.00	MH		28.240	162,131					162,131	
OEI	Oper. 1: Dozers, Sm Lo	oader 2.00	822.86	MH		36.190	56,249					56,249	
OEF	Oper. Foreman	1.00	411.43	MH		40.000	30,415					30,415	
\$333,418.05	28.5714 M	IH/ACRE	4,114.29	MH	[10:	33.564]	248,795			84,623		333,418	
0.3500 Uni	ts/Hr 3.5001 U	n/Shift *	41.1420	Shifts	,	-	1,727.74			587.66		2,315.40	
2012B	Burning - Zones 2 & 3	9			Quan:		ACR Hrs	*******	0.00 Cal: (.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
<u>BURN</u>	Burning Crew			411.42	CH	Prod:	3.5000	US	Lab Pcs:	3.00	Eqp Pcs:	2.00	
8E330	330 Excavator	1.00	411.43			73.850				30,384		30,384	
8TWT	WATER TRUCK	1.00	411.43			27.820				11,446		11,446	
LABI	Laborer 1: ACPaver, C		411.43			28.240	23,162					23,162	
OEI	Oper. 1: Dozers, Sm Lo		411.43			36.190	28,125					28,125	
OEF	Oper. Foreman	1.00	411.43			40.000	30,415					30,415	
\$123,531.48	8.5714 M		1,234.29		[34	48.111]	81,701			41,830		123,531	
0.3500 Uni	ts/Hr 3.5001 U	n/Shift *	41.1420	Shifts			567.37			290.49		857.86	
====> Item '	Totals: 2012	- Clearing	g - Zones i	2 & 3		****	····				··-	<u> </u>	
\$456,949.53	37.1429 MH/AC		5,348.58		F 138	31.675]	330,497			126,453		456,950	
3,173.261	***************************************	ACRE	-,		, , , ,		2,295.12			878.15		3,173.26	
- /												-	

Appendix - Costs Page 56

Elting,	Inc.
---------	------

S9871

Juneau-Lynn Canal Highway Zones 1-3

Page 3 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource

Asok

Desc

Quantity Pcs Unit

Unit Cost

Perm Constr Labor Material Matl/Exp

Equip

Sub-Ment Contract

Total

BID ITEM = 2014

Description = Selective Tree Removal

Unit =

EA Takeoff Quan:

350.000

Engr Quan:

350.000

Assume self-loading log truck takes limbed trees for value of lumber. Limbs are assumed to be left on

2014	Fall, Limb, & Deck Trees				Quan: 350.00	EA Hrs/Shft:	10.00 Cal: 6	10. WC	ORI
<u>BLANK</u>	A Blank Crew			175.00	CH Prod:	20.0000 US	Lab Pcs:	1.00	Eqp Pcs: 1.00
8SMALLTOOLS	Misc Small Tools	1.00	175.00	HR	10.000			1,750	1,750
LAB1	Laborer 1: ACPaver, Gen.	L 1.00	175.00	MH	28.240	9,852			9,852
\$11,601.70	0.5000 MH/I	EΑ	175.00 1	MH	[16.474]	9,852		1,750	11,602
2.0000 Unit	s/Hr 20.0000 Un/SI	* Ric	17.5000	Shifts		28.15		5.00	33.15
2014A	Skid/Trees/To Road				Quan: 350.00	EA Hrs/Shft:	10.00 Cal: 6	10: WC:	OR1
BLANK	A Blank Crew			100.00	CH Prod:	35.0000 US	Lab Pcs:	1.00	Eqp Pcs: 1.50
8SKIDDER	Skidder	1.00	100.00 1	HR	52.000			5,200	5,200
8SMALLTOOLS	Misc Small Tools	0.50	50.00 1	HR	10.000			500	500
OE2	Oper. 2: Skidder, Plant	1.00	100.00	MH	35.420	6,724			6,724
\$12,424.31	0.2857 MH/F	A	100.001	MH	[11.807]	6,724		5,700	12,424
3.5000 Unit	s/Hr 35.0000 Un/St	ift *	10.0000 5	Shifts		19.21		16.29	35.50
===> Item T	otals: 2014 -	Selective	Tree Ren	noval	_				
\$24,026.01	0.7857 MH/EA		275.00 1	MH	[28.281]	16,576		7,450	24,026
68.646	350 EA				•	47.36		21.29	68.65
			····						

Elting, Inc.

S9871 Asok

10.258

Juneau-Lynn Canal Highway Zones 1-3

530 LF

Page 4 05/15/2009 15:56

10.26

0.47

4.70

5.08

DIRECT COST REPORT

Unit Constr Equip Sub-Activity Desc Quantity Peim Resource Pcs Unit Cost Labor Material Matl/Exp Ment Contract Total BID ITEM = 2020 Description = Removal of Culvert Pipe Takeoff Quan: 530.000 530.000 Unit = LF Engr Quan: Remove Culvert Quan: 530:00 LF Hrs/Shft: 10:00 Cal: 610 WC; OR1 BLANK A Blank Crew 2.0000 S Lab Pcs: 2.00 2.00 20.00 CH Prod: Eqp Pcs: 50.000 250 3STEELDUMPFESteel Dump Fee 250 5.00 LD 8E322 322 EXCAVATOR 20.00 HR 49.680 994 994 8RDUMP RENTED DUMP TRUCK 1.00 20.00 HR 85.000 1,700 1,700 LABI Laborer 1: ACPaver, Gen.L 1.00 20.00 MH 28.240 1,126 1,126 OE1 Oper. 1: Dozers, Sm Loader 1.00 20.00 MH 36.190 1,367 1,367 \$5,436.66 0.0754 MH/LF 40.00 MH [2.837] 2,493 250 2,694 5,437 26.5000 Units/Hr 265.0000 Un/Shift 2.0000 Shifts 4.70 0.47 5.08 10.26 ===> Item Totals: 2020 - Removal of Culvert Pipe \$5,436.66 0.0754 MH/LF 40.00 MH [2.837] 2,493 250 2,694 5,437

Appendix - Costs

Page 58

Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 5 05/15/2009 15:56

DIRECT COST REPORT

Resource 165 Oint Cost Eabor Material Material Material Material	Activity Resource	Desc	Quantit Pes	y Unit	Unit Cost Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
	Resource				Cost Edoor	Material	тик Елр	1110111		

BID ITEM = 2030

Description = Rock Excavation Unit = CY Takeoff Quan: 1,804,700.000 Engr Quan: 1,804,700.000

Our quantity take off yielded 2.087.000 cy of rock excavation. The bid quantity is 1.804.700 cy. We adjusted our take-off quantities for each station by a factor of .864734 (1.804.700 / 2.087.000) to account for this difference.

Color Colo											
ROCKX Rock Execution Crew 299,803 to 0 CY 3.465 Rock Execution Crew 299,803 to CY	2030A	Back Ev 227+00:442+00:	3 000	lf hanl		Onar	. 299.803.00	CV HryShire	10.00 Cal-	610- W	• OR1
Martical Notice Martical N	war and the same a	4 Billion Life (Color March 1954) 1951 1951 1951 1951 1951 1951 1951 195	******			SESSERIES.	MARINES AND THE SAME	2.5.2.5.2.1.1.5.0.0111.5.5	NAMES OF THE PERSON OF THE PER	SHANSWILL	
ADMILLANSHOOT Drill, & Shoot Subcontractor 299,803.00 CY		•			499.67	CH	Prod:	6,000,0008 US	Lab Pcs:	13.00	Eap Pcs: 11.00
BB1				299.803.00	CY			-,			**
BDS				•							
BD9										•	•
RE1055 Cari 365 Exercision 1.00 499 67 HR 129 250 46,852 46,852 45,357 45,337 45,337 45,339 183,399										•	•
8.98											•
STYST Cat 735 Articulated Tr 4.00 1.098 A9 HR 92.030 183,039 183,039 183,039 1870											•
STOCK Color Colo										•	•
OBIA Oper 1. Dozers, Sm. Loader 4.00 1.998.69 MH 37.950 70.86										•	
OB1A								136 627		10,501	·
CBF								•			
OFF											
Truck Truc								•			·
TD3		- 1						,			•
S2,018,962.08											·
Rock Ex. 58+00 - 227+00 - 5,000 Haul Quant 51,884.00 CY Hrs/Shft; 10.00 Calt 610 WC VR								•		545 800	·
2030B Rock EX-58+00 - 227+00 5,000 Haul Quant 51,884.00 CY His/Shit: 10,00 Calt 610 WC OR1				•			{ 0.30L }				
ROCKX Rock Excavation Crew Rock Prot. Rock Roc	000.0020 01/1	\$111 0,000.0200 01//3/11	11	49.9070	Sints			1.43		1.02	3.47 0.73
ROCKX	203018	Rock Ex 58+00 - 227+00 -	5 AAA	If Hard		Auan	• 51 884 00	CV Hrs/Shft-	10.00 Cole	610 W.C	OR1
Rock Rock Exervation Crew Rof Prof. 6,000.0023 US Lab Pess 14.00 Eqp Pess 12.00 ADRILLNSHOOT Drill & Shoot Subcontractor 51,884.00 CY 3.465 Rock 1.00 86.47 HR 75.680 6,544 6,544 6,544 87.888 DST 2.00 172.95 HR 102.000 17.641 17.			~19.4.V.	ARTHUR TO STATE AND SOME	metricken kontroler och state	OHOC MAN	an market		in and a second second	STATE OF STATE STATES	The Sec States with the control of t
APRILLNSHOOT Drill & Shoot Subcontractor S1,884.00 CY 3,465 179,778 179,778 179,778 179,778 179,778 179,778 1814 14G GRADER 1.00 86.47 HR 75.680 6,544 6,544 176,641 176,6					86.47	CH	Prod:	6.000.0023 US	Lab Pes:	14.00	Eop Pcs: 12.00
BB14				51 884 00		•••		0,000,000	240 . 001		11
BD8		•	1.00							6 544	
BD9										•	•
RE365										-	•
SL988 988 LOADER										-	•
81735		1								-	
STWT										-	· ·
OE1											
OE1A								23 644		2,400	·
OE3 Oper. 3: GC, Rollers 1.00 86.47 MH 34.700 5,724 5,724 OEF Oper. Foreman 1.00 86.47 MH 40.000 6,392 6,392 TD2 Truck Driver 2 20-40 cy 5.00 432.37 MH 33.810 27,223 27,223 TD3 Truck Driver 3 10-20cy 1.00 86.47 MH 33.050 5,349 5,349 \$362,803.44 0.0233 MH/CY 1,210.62 MH [0.967] 80,596 102,429 179,778 362,803 600.0231 Units/Hr 6,000.2313 Un/Shirk * 8.6470 Shifts 1.55 1.97 3.47 6.99 2030C Rock Exc: 469+00~496+00~6,000 HF Hau Quan: 67,190.00 CY Hrs/Shit: 10.00 Cal: 610 WC: OR1 Unit Shit 6.99 QT0 = 77, 700 cy Rock Excavation Crew 134.38 CH Prod: 5,000.0000 US Lab Pes: 15.00 Eqp Pes: 13.00 232,813 232,813 232,813 232,813 232,813 232,813 232,813 232,813 232,813 232,813 232,813 232,813 232,813 232,813 232,813		•						•			•
OEF											
TD2		•									
TD3		•						•			·
\$362,803.44											•
Color		•								102 420	
2030C Rock Ex. 469+00-496+00-6,000 If Hau Quan: 67,190.00 CY Hrs/Shit: 10.00 Cal: 610 WC OR1	•						[0.967]				
QTO = 77,700 cy ROCKX Rock Excavation Crew 134.38 CH Prod: 5,000.0000 US Lab Pcs: 15.00 Eqp Pcs: 13.00 4DRILLNSHOOT Drill & Shoot Subcontractor 67,189.99 CY 3.465 232,813 232,813 232,813 8B14 14G GRADER 1.00 134.38 HR 75.680 10,170 10,170 8D8 D8T 2.00 268.76 HR 102.000 27,414 27,414 8D9 D9T 1.00 134.38 HR 156.750 21,064 21,064 8E365 Cat 365 Excavator 1.00 134.38 HR 129.250 17,369 17,369 8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 735 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATER TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744	600.0231 Unit	s/Hr 0,000.2313 Un/Shii	i E	* 8.04/0	Sniits			1.55		1.97	3.47 6.99
QTO = 77,700 cy ROCKX Rock Excavation Crew 134.38 CH Prod: 5,000.0000 US Lab Pcs: 15.00 Eqp Pcs: 13.00 4DRILLNSHOOT Drill & Shoot Subcontractor 67,189.99 CY 3.465 232,813 232,813 232,813 8B14 14G GRADER 1.00 134.38 HR 75.680 10,170 10,170 8D8 D8T 2.00 268.76 HR 102.000 27,414 27,414 8D9 D9T 1.00 134.38 HR 156.750 21,064 21,064 8E365 Cat 365 Excavator 1.00 134.38 HR 129.250 17,369 17,369 8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 735 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATER TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744	20206	D 1 D 400 000 400 00	200	Le IV			CT 100 00	ov n. eve	1000 6	200	001
ROCKX Rock Exeavation Crew 134.38 CH Prod: 5,000.0000 US Lab Pcs: 15.00 Eqp Pcs: 13.00 4DRILLNSHOOT Drill & Shoot Subcontractor 67,189.99 CY 3.465 232,813 232,813 8B14 14G GRADER 1.00 134.38 HR 75.680 10,170 10,170 8D8 D8T 2.00 268.76 HR 102.000 27,414 27,414 8D9 D9T 1.00 134.38 HR 156.750 21,064 21,064 8E365 Cat 365 Excavator 1.00 134.38 HR 129.250 17,369 17,369 8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 735 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATÉR TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 56,744	***************************************	at the Contract of the Contrac	0,000	on Han	5.692454560	Quan	. 07,190.00	Cr. Hrs/Shit:	iv.uvCal:	oto MC	, UKI
4DRILLNSHOOT Drill & Shoot Subcontractor 67,189.99 CY 3.465 232,813 232,813 8B14 14G GRADER 1.00 134.38 HR 75.680 10,170 10,170 8D8 D8T 2.00 268.76 HR 102.000 27,414 27,414 8D9 D9T 1.00 134.38 HR 156.750 21,064 21,064 8E365 Cat 365 Excavator 1.00 134.38 HR 129.250 17,369 17,369 8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 73.5 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATER TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744		• •			124 20	CI.	m	E 000 0000 110	Y ab 10	16.00	Ear Pool 12 00
8B14 14G GRADER 1.00 134.38 HR 75.680 10,170 10,170 8D8 D8T 2.00 268.76 HR 102.000 27,414 27,414 8D9 D9T 1.00 134.38 HR 156.750 21,064 21,064 8E365 Cat 365 Excavator 1.00 134.38 HR 129.250 17,369 17,369 8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 735 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATÉR TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744				(7 100 00		CH		5,000,0000 US	Lab PCS:	15.00	
8D8 D8T 2.00 268.76 HR 102.000 27,414 27,414 8D9 D9T 1.00 134.38 HR 156.750 21,064 21,064 8E365 Cat 365 Excavator 1.00 134.38 HR 129.250 17,369 17,369 8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 735 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATÉR TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744				•						10.170	, ,
8D9 D9T 1.00 134.38 HR 156.750 21,064 21,064 8E365 Cat 365 Excavator 1.00 134.38 HR 129.250 17,369 17,369 8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 735 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATÉR TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744											
8E365 Cat 365 Excavator 1.00 134.38 HR 129.250 17,369 17,369 8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 735 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATÉR TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744										•	•
8L988 988 LOADER 1.00 134.38 HR 130.880 17,588 17,588 8T735 Cat 735 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATÉR TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744										•	-
8T735 Cat 73,5 Articulated Tr 6.00 806.28 HR 92.030 74,202 74,202 8TWT WATÉR TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36,744 36,744											· ·
8TWT WATÉR TRUCK 1.00 134.38 HR 27.820 3,738 3,738 OE1 Oper 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744											-
OE1 Oper. 1: Dozers, Sm Loader 4.00 537.52 MH 36.190 36,744 36,744											
,	-									3,738	•
OE1A Oper. 1A: Lrg Loader, Blad 2.00 268.76 MH 37.950 19,057 19,057		•									•
	0 7 4 1		~ ~ ~	0/0 4/							

Page 6 05/15/2009 15:56

Asok

Activity Resource	Desc	Pes	Quantity	Unit		Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
BID ITEM = Description =	2030 Rock Excavation				Unit =	CY	Takeoff	Duan: 1.	804,700.000	Engr	Quan: 1,	804,700.000	
OE3	Oper. 3: GC, Rollers	1.00	134.38	MH		34.700	8,896		,	Ü	`	8,896	
OEF	Oper. Foreman	1.00	134.38			40.000	9,934					9,934	
TD2	Truck Driver 2 20-40 cy	6.00	806.28			33.810	50,765					50,765	
TD3	Truck Driver 3 10-20cy	1.00	134.38			33.050	8,313					8,313	
\$538,065.89	0.0300 MH/C		2,015.70			[1.24]	133,708				232,813	538,066	
500.0000 Uni	ts/Hr 5,000.0000 Un/Sh	ift	* 13.4380	Shifts			1.99		n Swan en Johan Swan Index des Sales	2.55	3.46	10.8	nanavalma ava
2030D QTO = 189,50	Rock Ex: 442±00 - 469±00	- 4,00	0 lf Hau		Quan;	163,867.00	CY Hrs	/Shft:	10:00 Cal:	610. WC	: ORI		
ROCKX	Rock Excavation Crew			327.73	CH	Prod:	5,000.000	us us	Lab Pcs:	14.00	Eqp Pcs		
	T Drill & Shoot Subcontractor		163,867.00			3.465				0.1.000	567,799	567,799	
8B14	14G GRADER	1.00	327.73			75.680				24,803 66,858		24,803 66,858	
8D8 8D9	D8T D9T	2.00	655.47 327.73			102.000 156.750				51,372		51,372	
8E365	Cat 365 Excavator	1.00	327.73			129.250				42,359		42,359	
8L988	988 LOADER	1.00	327.73			130.880				42,893		42,893	
8T735	Cat 735 Articulated Tr	5.00	1,638.67	HR		92.030				150,807		150,807	
8TWT	WATER TRUCK	1.00	327.73			27.820				9,117		9,117	
OE1	Oper. 1: Dozers, Sm Loader		1,310.94			36.190	89,613					89,613	
OEIA	Oper. 1A: Lrg Loader, Blad		655.47			37.950	46,477					46,477 2 1, 696	
OE3 OEF	Oper. 3: GC, Rollers Oper. Foreman	1.00	327.73 327.73			34.700 40.000	21,696 24,228					24,228	
TD2	Truck Driver 2 20-40 cy	5.00	1,638.67			33.810	103,173					103,173	
TD3	Truck Driver 3 10-20cy	1.00	327.73			33.050	20,274					20,274	
\$1,261,469.18	0.0279 MH/C	Y	4,588.27	MH		[1.161]	305,461			388,209	567,799	1,261,469	
500.0061 Uni	ts/Hr 5,000.0610 Un/Sh	ift	* 32.7730	Shifts			1.86			2.37	3.47	7.70	
2030E	manager production and the company of the contract of the cont	- 7,00	0 If Hau		Quan:	81,285,00	CY Hrs	Shft;	10.00 Cal:	610 WC	:OR1		
QTO = 94,000 <u>ROCKX</u>	Rock Excavation Crew			203.21	CH	Prod:	4,000.0000	US	Lab Pcs:	17.00	Eqp Pcs	15.00	
	TDrill & Shoot Subcontractor	r	81,285.00			3.465	,				281,653	281,653	
8B14	14G GRADER	1.00	203.21	HR		75.680				15,379		15,379	
8D8	D8T	2.00	406.43			102.000				41,456		41,456	
8D9	D9T	1.00	203.21			156.750				31,853		31,853	
8E365 8L988	Cat 365 Excavator 988 LOADER	1.00	203.21 203.21			129.250 130.880				26,265 26,596		26,265 26,596	
8T735	Cat 735 Articulated Tr	8.00	1,625.70			92.030				149,613		149,613	
8TWT	WATER TRUCK	1.00	203.21			27.820				5,653		5,653	
OE1	Oper. 1: Dozers, Sm Loader	4.00	812.85	MH		36.190	55,565					55,565	
OEIA	Oper. 1A: Lrg Loader, Blad	2.00	406.43	MH		37.950	28,819					28,819	
OE3	Oper. 3: GC, Rollers	1.00	203.21			34.700	13,453					13,453	
OEF	Oper. Foreman	1.00	203.21			40.000	15,022					15,022 102,357	
TD2 TD3	Truck Driver 2 20-40 cy Truck Driver 3 10-20cy	8.00 1.00	1,625.70 203.21			33.810 33.050	102,357 12,571					102,537	
\$806,253.94	0.0424 MH/C		3,454.61			[1.747]	227,786			296,815	281.653	806,254	
400.0049 Unit			* 20.3210				2.80			3.65	3.47	9.92	
2030G	Rock Ex. 523+00 = 577+00	- 10,00	O If Hau		Quan:	439,458.00	CY Hrs	Shft:	l0.00 Cal:	610. WC	QR1		
QTO = 508,20	0 cy	ممسن	40 62-1-	nonhi	ادمم	tional	cost						
Special dril	ling & shooting required Rock Excavation Crew	ııred	in chis	section 1,098.64			4,000.0000	US	Lab Pcs:	19.00	Eqp Pcs:	17.00	
	CDrill & Shoot Subcontractor		439,458.00		~~.	3.465	.,00010000		220100		••	1,522,722	
8B14	14G GRADER	1.00	1,098.65			75.680				83,146	-	83,146	
8D8	D8T	2.00	2,197.29			102.000				224,124		224,124	
8D9	D9T	1.00	1,098.65			156.750				172,213		172,213	
8E365	Cat 365 Excavator	1.00	1,098.65			129.250				142,001	÷	142,001	
8L988	988 LOADER	1.00	1,098.65			130.880			•	143,791		143,791	
8T735 8TWT	Cat 735 Articulated Tr WATER TRUCK	10.00	10,986.45			92.030 27.820			3,	30,564		1,011,083 30,564	
01 14 1	HAILK INUCK	1.00	1,070.03	****		21.020				20,207		20,001	

Page 7 05/15/2009 15:56

Resource	Desc	Pcs	Quantity	Unit		Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total	
BID ITEM = Description =	2030 Rock Excavation				Unit =	CY	Takeoff(Duan: 18	304,700.000	Fnor	Ouan: L	304,700.000	
•		4 00	4,394.58	N 4117	Oin			Zuuii. 1,0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	21.6	Quan.		
OE1 OE1A	Oper. 1: Dozers, Sm Loade Oper. 1A: Lrg Loader, Blad		2,197.29			36.190 37.950	300,405 155,803					300,405 155,803	
OE3	Oper. 3: GC, Rollers	1.00				34.700	72,731					72,731	
OEF	Oper. Foreman	1.00				40.000	81,218					81,218	
TD2	Truck Driver 2 20-40 cy	10.00				33.810	691,724					691,724	
TD3	Truck Driver 3 10-20cy	1.00	•			33.050	67,964				. 600 000	67,964	
\$4,699,489.46 400.0018 Uni	0.0475 MH/C ts/Hr 4,000.0182 Un/St		20,874.27 * 109.8640			[1.944]	1,369,845 3.12			1,806,922	3.47	4,699,489	
400.0018 CIII	19711 4,000.0102 01831	oansteis.	107.0040		\$\$\#\\\$\\\$\\		J.IL		enegovernokoveno	7.11			enarmos.
2030F	Rock Ex. 757+00 - 782+00	- 4,00	0 If Haul		Quan:	134,293.00	CY Hrs	Shft: 1	0.00 Cal;	610. WC	: OR1		
QTO = 155,30				222 02	CII	December	< 000 001C	. YIC	Tab Dass	14.00	East Dan	. 12.00	
ROCKX	Rock Excavation Crew TDrill & Shoot Subcontracto		134,293.00	223.82 CV	Cri	3.465	6,000.0018	05	Lab Pes:	14.00	Eqp Pcs 465,325	: 12.00 465,325	
8B14	14G GRADER	1.00	223.82			75.680				16,939	400,323	16,939	
8D8	D8T	2.00	447.64			102.000				45,659		45,659	
8D9	D9T	1.00	223.82	HR		156.750				35,084		35,084	
8E365	Cat 365 Excavator	1.00	223.82			129.250				28,929		28,929	
8L988	988 LOADER	1.00	223.82			130.880				29,294		29,294	
8T735	Cat 735 Articulated Tr	5.00	1,119.11			92.030				102,992		102,992	
8TWT OE1	WATER TRUCK	1.00	223.82 895.29			27.820 36.190	61 200			6,227		6,227	
OEIA	Oper. 1: Dozers, Sm Loade Oper. 1A: Lrg Loader, Black		447.64			37.950	61,200 31,741					61,200 31,741	
OE3	Oper. 3: GC, Rollers	1.00	223.82			34.700	14,817					14,817	
OEF	Oper. Foreman	1.00	223.82			40.000	16,546					16,546	
TD2	Truck Driver 2 20-40 cy	5.00	1,119.11	MH		33.810	70,461					70,461	
TD3	Truck Driver 3 10-20cy	1.00	223.82	MH		33.050	13,846					13,846	
\$939,058.44	0.0233 MH/C		3,133.50			[0.967]	208,611			265,122		939,058	
600.0045 Unit	s/Hr 6,000.0447 Un/Sh	ift	* 22.3820	Shifts			1.55			1.97	3.47	6.99	
2030H		7 (4) (6)	20500250264924			\$25 (SEE SEE SEE SEE SEE SEE SEE SEE SEE SE						25000000000000000000000000000000000000	
	Rock Ex. 782+00 - 836+00	-3.00	lf Haul		Ouan:	25,077,00	CY Hrs/	Shft: 1	0.00 Cal:	610 WC	ORI		
QTo = 29,000	Rock Ex. 782+00 - 836+00	- 3,00) If Haul		Quan:	25,077.00	CY Hrs/	Shft: 1	0.00 Cal:	610 WC			
<u>ROCKX</u>	cy Rock Excavation Crew			41.79		Prod:	CY Hrs/ 6,000.0000		0.00 Cal: Lab Pcs:	610 WC 13.00	Eqp Pcs:		
ROCKX 4DRILLNSHOO	cy Rock Excavation Crew FDrill & Shoot Subcontractor	r	25,077.00	41.79 CY		Prod: 3.465				13.00		86,892	
ROCKX 4DRILLNSHOO' 8B14	cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER	1.00	25,077.00 41.80	41.79 CY HR		Prod: 3.465 75.680				13.00 3,163	Eqp Pcs:	86,892 3,163	
ROCKX 4DRILLNSHOO' 8B14 8D8	cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T	1.00 2.00	25,077.00 41.80 83.59	41.79 CY HR HR		Prod: 3.465 75.680 102.000				13.00 3,163 8,526	Eqp Pcs:	86,892 3,163 8,526	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9	cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T	1.00 2.00 1.00	25,077.00 41.80 83.59 41.80	41.79 CY HR HR HR		Prod: 3.465 75.680 102.000 156.750				13.00 3,163 8,526 6,552	Eqp Pcs:	86,892 3,163 8,526 6,552	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365	cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T	1.00 2.00	25,077.00 41.80 83.59	41.79 CY HR HR HR HR		Prod: 3.465 75.680 102.000 156.750 129.250				13.00 3,163 8,526 6,552 5,403	Eqp Pcs:	86,892 3,163 8,526 6,552 5,403	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9	Ccy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator	1.00 2.00 1.00 1.00	25,077.00 41.80 83.59 41.80 41.80	41.79 CY HR HR HR HR HR		Prod: 3.465 75.680 102.000 156.750				13.00 3,163 8,526 6,552	Eqp Pcs:	86,892 3,163 8,526 6,552	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988	cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER	1.00 2.00 1.00 1.00 1.00	25,077.00 41.80 83.59 41.80 41.80 41.80	41.79 CY HIR HR HR HR HR HR		Prod: 3.465 75.680 102.000 156.750 129.250 130.880				13.00 3,163 8,526 6,552 5,403 5,471	Eqp Pcs:	86,892 3,163 8,526 6,552 5,403 5,471	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1	Rock Excavation Crew F Drill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader	1.00 2.00 1.00 1.00 1.00 4.00 1.00	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18	41.79 CY HR HR HR HR HR HR HR HR		Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190	6,000.0000 11,428			3,163 8,526 6,552 5,403 5,471 15,386	Eqp Pcs:	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A	Rock Excavation Crew F Drill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad	1.00 2.00 1.00 1.00 1.00 4.00 1.00 4.00 2.00	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59	41.79 CY HR HR HR HR HR HR HR HR MH		Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950	6,000.0000 11,428 5,927			3,163 8,526 6,552 5,403 5,471 15,386	Eqp Pcs:	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3	Rock Excavation Crew F Drill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers	1.00 2.00 1.00 1.00 1.00 4.00 1.00 4.00 2.00 1.00	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59 41.80	41.79 CY HR HR HR HR HR HR HR MH MH MH		Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700	6,000.0000 11,428 5,927 2,767			3,163 8,526 6,552 5,403 5,471 15,386	Eqp Pcs:	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF	Rock Excavation Crew F Drill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman	1.00 2.00 1.00 1.00 1.00 4.00 1.00 4.00 2.00 1.00	25,077,00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59 41.80 41.80	41.79 CY HR HR HR HR HR HR HR MH MH MH MH		Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000	11,428 5,927 2,767 3,090			3,163 8,526 6,552 5,403 5,471 15,386	Eqp Pcs:	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF TD2	Cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy	1.00 2.00 1.00 1.00 1.00 4.00 1.00 4.00 2.00 1.00 4.00	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59 41.80 41.80	41.79 CY HR HR HR HR HR HR HR HR HR MH MH MH MH		Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000 33.810	11,428 5,927 2,767 3,090 10,526			3,163 8,526 6,552 5,403 5,471 15,386	Eqp Pcs:	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF TD2 TD3	Rock Excavation Crew F Drill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman	1.00 2.00 1.00 1.00 1.00 4.00 1.00 4.00 2.00 1.00 4.00 1.00	25,077,00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59 41.80 41.80	41.79 CY HR HR HR HR HR HR HR MH MH MH MH MH	СН	Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000	11,428 5,927 2,767 3,090			3,163 8,526 6,552 5,403 5,471 15,386	Eqp Pcs:	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526 2,586	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF TD2	Cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0216 MH/C	1.00 2.00 1.00 1.00 1.00 4.00 1.00 4.00 2.00 1.00 4.00 1.00 4.00 1.00	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59 41.80 167.18 41.80	41.79 CY HR HR HR HR HR HR HR HR MH MH MH MH MH	СН	Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050	11,428 5,927 2,767 3,090 10,526 2,586			13.00 3,163 8,526 6,552 5,403 5,471 15,386 1,163	Eqp Pcs: 86,892	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF TD2 TD3 \$168,879.61 600.0718 Unit	Rock Excavation Crew F Drill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0216 MH/C s/Hr 6,000.7179 Un/Sh Rock Exc. 863+00 890+00	1.00 2.00 1.00 1.00 1.00 4.00 1.00 2.00 1.00 4.00 1.00 Y	25,077.00 41.80 83.59 41.80 41.80 167.18 41.80 167.18 83.59 41.80 41.80 167.18 41.80 543.35	41.79 CY HR HR HR HR HR HR HR MH	СН	Prod: 3.465 75.680 102.000 156.750 130.880 92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050 [0.902]	11,428 5,927 2,767 3,090 10,526 2,586 36,324	US	Lab Pes:	13.00 3,163 8,526 6,552 5,403 5,471 15,386 1,163 45,664 1.82	Eqp Pcs: 86,892 86,892 3.47	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526 2,586 168,880	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF TD2 TD3 \$168,879.61 600.0718 Unit	Rock Excavation Crew F Drill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0216 MH/C s/Hr 6,000.7179 Un/Sh *Rock Ex: 863+00 = 890+000 0 cy	1.00 2.00 1.00 1.00 1.00 4.00 1.00 2.00 1.00 4.00 1.00 Y	25,077.00 41.80 83.59 41.80 41.80 167.18 41.80 167.18 83.59 41.80 41.80 167.18 41.80 543.35	41.79 CY HR HR HR HR HR HR HR MH	CH Quan:	Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050 [0.902]	11,428 5,927 2,767 3,090 10,526 2,586 36,324 1.45	US	Lab Pcs:	13.00 3,163 8,526 6,552 5,403 5,471 15,386 1,163 45,664 1.82	Eqp Pcs: 86,892 86,892 3.47 ORL	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526 2,586 168,880 6.73	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF TD2 TD3 \$168,879.61 600.0718 Unit	Cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0216 MH/C s/Hr 6,000.7179 Un/Sh Rock Ex: 863+00 890+00 0 cy Rock Excavation Crew	1.00 2.00 1.00 1.00 4.00 1.00 2.00 1.00 4.00 1.00 4.00 1.00 4.00 1.00 4.00	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59 41.80 167.18 41.80 543.35 * 4.1790	41.79 CY HR MH	CH Quan:	Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 40.000 33.810 33.050 [0.902] Prod:	11,428 5,927 2,767 3,090 10,526 2,586 36,324 1.45	US	Lab Pes:	13.00 3,163 8,526 6,552 5,403 5,471 15,386 1,163 45,664 1.82	86,892 3.47 ORI	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526 2,586 168,880 6.73	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OEI OEIA OE3 OEF TD2 TD3 \$168,879.61 600.0718 Unit 2030I QTo = 193,70 ROCKX 4DRILLNSHOO'	Cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0216 MH/C s/Hr 6,000.7179 Un/Sh Rock Ex: 863+00 890+00 0 cy Rock Excavation Crew Trill & Shoot Subcontractor	1.00 2.00 1.00 1.00 4.00 1.00 4.00 2.00 4.00 1.00 4.00 1.00 Y	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59 41.80 167.18 41.80 543.35 * 4.1790	41.79 CY HR HR HR HR HR HR HR HR HR MH MH MH MH MH MH MH MH MH Chifts	CH Quan:	Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050 [0.902] Prod: 3.465	11,428 5,927 2,767 3,090 10,526 2,586 36,324 1.45	US	Lab Pcs:	13.00 3,163 8,526 6,552 5,403 5,471 15,386 1,163 45,664 1.82 19.00	Eqp Pcs: 86,892 86,892 3.47 ORL	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526 2,586 168,880 6.73	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF TD2 TD3 \$168,879.61 600.0718 Unit 20301 QT0 = 193,70 ROCKX 4DRILLNSHOOT 8B14	Cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0216 MH/C s/Hr 6,000.7179 Un/Sh Rock Ex: 863+00 890+00 0 cy Rock Excavation Crew Prill & Shoot Subcontractor 14G GRADER	1.00 2.00 1.00 1.00 1.00 4.00 1.00 2.00 1.00 4.00 1.00 Y ift	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 43.59 41.80 167.18 41.80 543.35 * 4.1790 0 If Hau	41.79 CY HR MH MH MH MH MH MH Chifts 279.16 CY HR	CH Quan:	Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050 [0.902] Prod: 3.465 75.680	11,428 5,927 2,767 3,090 10,526 2,586 36,324 1.45	US	Lab Pcs:	13.00 3,163 8,526 6,552 5,403 5,471 15,386 1,163 45,664 1.82 19.00 21,128	86,892 3.47 ORI	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526 2,586 168,880 6.73 17.00 580,384 21,128	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OEI OEIA OE3 OEF TD2 TD3 \$168,879.61 600.0718 Unit 2030I QTo = 193,70 ROCKX 4DRILLNSHOO'	Cy Rock Excavation Crew FDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0216 MH/C s/Hr 6,000.7179 Un/Sh Rock Ex: 863+00 890+00 0 cy Rock Excavation Crew Trill & Shoot Subcontractor	1.00 2.00 1.00 1.00 4.00 1.00 4.00 2.00 4.00 1.00 4.00 1.00 Y	25,077.00 41.80 83.59 41.80 41.80 41.80 167.18 41.80 167.18 83.59 41.80 167.18 41.80 543.35 * 4.1790	41.79 CY HR MH MH MH MH MH Chifts 279.16 CY HR	CH Quan:	Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050 [0.902] Prod: 3.465	11,428 5,927 2,767 3,090 10,526 2,586 36,324 1.45	US	Lab Pcs:	13.00 3,163 8,526 6,552 5,403 5,471 15,386 1,163 45,664 1.82 19.00	86,892 3.47 ORI	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526 2,586 168,880 6.73	
ROCKX 4DRILLNSHOO' 8B14 8D8 8D9 8E365 8L988 8T735 8TWT OE1 OE1A OE3 OEF TD2 TD3 \$168,879.61 600.0718 Unit 20301 QTO = 193,70 ROCKX 4DRILLNSHOO' 8B14 8D8	Rock Excavation Crew TDrill & Shoot Subcontractor 14G GRADER D8T D9T Cat 365 Excavator 988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Loader Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0216 MH/C S/Hr 6,000.7179 Un/Sh Rock Ex. 863+00 890+00 0 cy Rock Excavation Crew 'Drill & Shoot Subcontractor 14G GRADER D8T	1.00 2.00 1.00 1.00 1.00 4.00 2.00 1.00 4.00 1.00 Y ift 1.00 2.00	25,077.00 41.80 83.59 41.80 41.80 167.18 41.80 167.18 83.59 41.80 167.18 41.80 167.18 41.80 543.35 * 4.1790 0 If Hau	41.79 CY HR HR HR HR HR HR HR HR MH	CH Quan:	Prod: 3.465 75.680 102.000 156.750 129.250 130.880 92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050 [0.902] Prod: 3.465 75.680 102.000	11,428 5,927 2,767 3,090 10,526 2,586 36,324 1.45	US	Lab Pcs:	13.00 3,163 8,526 6,552 5,403 5,471 15,386 1,163 45,664 1.82 610 WC: 19.00 21,128 56,950	86,892 3.47 ORI	86,892 3,163 8,526 6,552 5,403 5,471 15,386 1,163 11,428 5,927 2,767 3,090 10,526 2,586 168,880 6.73 17.00 580,384 21,128 56,950	

Juneau-Lynn Canal Highway Zones 1-3

Page 8 05/15/2009 15:56

Activity Resource	Desc	Pcs	Quantity	Unit		Unit Cost		Perri Materia	n Constr I Matl/Exp	Equip Ment	Sub- Contract	Total	
BID ITEM = Description =	2030 Rock Excavation				Unit =	CY	Takeoff (Quan: 1	,804,700.000	Engr	Quan: 1,	804,700.000	
8T735	Cat 735 Articulated Tr	10.00	2,791.65	HR		92.030				256,916		256,916	
8TWT	WATER TRUCK	1.00	279.17			27.820				7,767		7,767	
OE1	Oper. 1: Dozers, Sm Loade		1,116.66	MH		36.190	76,333					76,333	
OE1A	Oper. 1A: Lrg Loader, Blad		558.33			37.950	39,589					39,589	
OE3	Oper. 3: GC, Rollers	1.00	279.17			34.700	18,481					18,481	
OEF TD2	Oper. Foreman Truck Driver 2 20-40 cy	1.00	279.17 2,791.65			40.000 33.810	20,638 175,767					20,638 175,767	
TD3	Truck Driver 3 10-20cy	1.00	2,791.03			33.050	17,270					17,270	
\$1,387,601.34	0.0316 MH/C		5,304.15			[1.296]	348,078			459,140	580,384	1,387,601	
600.0107 Unit	s/Hr 6,000.1075 Un/Sh	nift	* 27.9160			, ,	2.08			2.74	3.47	8.28	
						176 (03.0)			10.00	2.0	0.00		
2030J QTO = 204,10	Rock Ex. 917+00 = 944+00	I = 20,UI	OO II Hau		Quant	1 10,492.01	'CY HIS	/Snu:	10.00 Cai;	oto/swe	OKI		
ROCKX	Rock Excavation Crew			441.23	CH	Prod:	4,000.000	us (Lab Pcs:	19.00	Eqp Pcs	: 17.00	
	PDrill & Shoot Subcontractor	r	176,492.00			3.465	,				611,545	611,545	
8B14	14G GRADER	1.00	441.23	HR		75.680				33,392		33,392	
8D8	D8T	2.00	882.46			102.000				90,011		90,011	
8D9	D9T	1.00	441.23			156.750				69,163		69,163	
8E365	Cat 365 Excavator	1.00	441.23			129.250				57,029		57,029	
8L988	988 LOADER	1.00	441.23			130.880				57,748		57,748	
8T735 8TWT	Cat 735 Articulated Tr WATER TRUCK	10.00	4,412.30 441.23			92.030 27.820				406,064 12,275		406,064 12,275	
OEI	Oper. 1: Dozers, Sm Loader		1,764.92			36.190	120,647			12,273		120,647	
OEIA	Oper. 1A: Lrg Loader, Blad		882.46			37.950	62,572					62,572	
OE3	Oper. 3: GC, Rollers	1.00	441.23			34.700	29,210					29,210	
OEF	Oper. Foreman	1.00	441.23			40.000	32,618					32,618	
TD2	Truck Driver 2 20-40 cy	10.00	4,412.30	MH		33.810	277,805					277,805	
TD3	Truck Driver 3 10-20cy	1.00	441.23	MH		33.050	27,295					27,295	
\$1,887,374.08	0.0475 MH/C		8,383.37			[1.944]	550,147					1,887,374	
400.0000 Unit	s/Hr 4,000.0000 Un/Sh	iΩ	* 44.1230	Shifts			3.12			4.11	3.47	10.69	
2030K	Rock Ex. 1076+00 - 1106+	00 - 3,0	000 If Ha		Quan:	27,412.00	CY Hrs	Shft:	10:00 Cal;	610 WC	ORI		
QTO = 31,700 <u>ROCKX</u>	Rock Excavation Crew			45.68	CH	Prode	6,000.0088	2115	Lab Pes:	13.00	Eqp Pcs	: 11.00	
	Drill & Shoot Subcontractor	r	27,412.00		CII	3.465	0,000,000	, 00	1,40 1 03.	13.00	94,983	94,983	
8B14	14G GRADER	1.00	45.69			75.680				3,458	3 1,700	3,458	
8D8	D8T	2.00	91.37			102.000				9,320		9,320	
8D9	D9T	1.00	45.69	HR		156.750				7,162		7,162	
8E365	Cat 365 Excavator	1.00	45.69	HR		129.250				5,905		5,905	
8L988	988 LOADER	1.00	45.69			130.880				5,980		-5,980	
8T735	Cat 735 Articulated Tr	4.00	182.75			92.030				16,818		16,818	
8TWT	WATER TRUCK	1.00	45.69			27.820	10.400			1,271		1,271	
OE1	Oper. 1: Dozers, Sm Loader		182.75			36.190	12,492					12,492	
OE1A OE3	Oper. 1A: Lrg Loader, Blad Oper. 3: GC, Rollers	1.00	91.37 45.69			37.950 34.700	6,479 3,025					6,479 3,025	
OEF	Oper. Foreman	1.00	45.69			40.000	3,378					3,378	
TD2	Truck Driver 2 20-40 cy	4.00	182.75			33.810	11,506					11,506	
TD3	Truck Driver 3 10-20cy	1.00	45.69			33.050	2,826					2,826	
\$184,603.16	0.0216 MH/C		593.94			[0.902]	39,706			49,914	94,983	184,603	
600.0876 Units			* 4.5680				1.45			1.82	3.47	6.73	
2030L	Rock Ex; 836+00 - 863+00	- 4,000	lf Haul		Quan:	57,245.00	CY Hrs/	Shft:	10.00 Cal: (610 WC:	OR1		
QTO = 66,200								•16				10.55	
ROCKX	Rock Excavation Crew		68 0 4 6 A A	95.40	CH		6,000.0021	US	Lab Pcs:	14.00	Eqp Pcs:		
	'Drill & Shoot Subcontractor		57,245.00			3.465				7 221	198,354	198,354	
8B14 8D8	14G GRADER D8T	1.00 2.00	95.41 190.82			75.680 102.000				7,221 19,464		7,221 19,464	
8D9	D9T	1.00	95.41			156.750				14,956		14,956	
			,,			. 20.700				,,,,,,		,,,,,,,	

Page 9 05/15/2009 15:56

Activity Resource	Desc	Pcs	Quantity	Unit		Unit Cost		Pern Materia	n Constr I Matl/Exp	Equip Ment	Sub Contrac		
BID ITEM =	= 2030 Rock Excavation				Unit =	CY	Takaaffi	Ouani 1	,804,700.000	Enor	·Ouen	1,804,700.000	
•		1.00	05.41	71D	Ont -			Quan. 1	,604,700.000	Ū	•		
8E365 8L988	Cat 365 Excavator 988 LOADER	1.00 1.00	95.41 95.41			129.250 130.880				12,332		12,332	
8T735	Cat 735 Articulated Tr	5.00	477.04			92.030				12,487 43,902		12,487 43,902	
8TWT	WATER TRUCK	1.00	95.41			27.820				2,654		2,654	
OE1	Oper. 1: Dozers, Sm Loa		381.63			36.190				2,004		26,088	
OEIA	Oper. 1A: Lrg Loader, B		190.82			37.950	•					13,530	
OE3	Oper. 3: GC, Rollers	1.00	95.41			34.700	-					6,316	
OEF	Oper. Foreman	1.00	95.41	MH		40.000						7,053	
TD2	Truck Driver 2 20-40 cy	5.00	477.04	MH		33.810	30,035					30,035	
TD3	Truck Driver 3 10-20cy	1.00	95.41	MH		33.050	5,902					5,902	
\$400,293.72	0.0233 MH	I/CY	1,335.72	MH		[0.967]	88,925			113,015	198,354		
600.0524 Un	its/Hr 6,000.5241 Un/	'Shift '	* 9.5400	Shifts			1.55			1.97	3.47	6.99	
2030X	Ploncering XT					,			10:00 Cal:	610 WC	:OR1		
BLANK	A Blank Crew			310.00	O CH	Prod:		UH C	Lab Pcs:	6.00	Eqp Po		
	P Drill & Compressor	2.00	620.00			20.000				12,400		12,400	
8E312	Cat 312 Excavator	1.00	310.00			21.600				6,696		6,696	
	S Misc Small Tools	2.00	620.00			10.000	60.00			6,200		6,200	
LAB1 OEI	Laborer 1: ACPaver, Ger		1,240.00			28.240	69,806		•			69,806	
OEF	Oper. 1: Dozers, Sm Load Oper. Foreman	1.00	310.00			36.190	21,191					21,191	
\$139,210.28	0.1200 MH		310.00 1,860.00			40.000	22,917 113,914			25,296		22,917	
50.0000 Un			31.0000			[4.414]	7.35			1.63		139,210 8.98	
2030Y	Standard Pioncering				Onanc	16 400 00	IF Hes	Shfr:	10.00 Cal:	610 WC	· OR1		
BLANK	A Blank Crew	Salah Balan Balan Palan Salah Balan Ba	ones and an area and an	164.00		Prod:			Lab Pcs:	9.00	Eqp Pc	s: 7.00	SHEWER
	P Drill & Compressor	4.00	656.00	HR		20.000				13,120	111	13,120	
8E312	Cat 312 Excavator	2.00	328.00	HR		21.600				7,085		7,085	
SMALLTOOLS	S Misc Small Tools	1.00	164.00	HR		10.000				1,640		1,640	
LABI	Laborer 1: ACPaver, Ger		984.00	MH		28.240	55,395					55,395	
OE1	Oper. 1: Dozers, Sm Load		328.00			36.190	22,421					22,421	
OEF	Oper. Foreman	1.00	164.00			40.000	12,124					12,124	
\$111,784.78	0.0900 MH		1,476.00			[3.288]	89,940			21,845		111,785	
100.0000 Uni	its/Hr * 1,000.0000 Un/	Shift	16.4000	Shifts			5.48			1.33		6.82	
2030M	Rock Ex. 890±00 - 917±0	00, 10,000	lf Haul		Quan:	113,195.00	CY Hrs/	Shft;	10.00 Cal:	610 WC	OR1		
QTO = 130,90 <u>ROCKX</u>	Rock Excavation Crew			282.98	CH	Drode	4,000.0000	TIC	Lab Pcs:	17.00	Eqp Pc:	s: 15.00	
	TDrill & Shoot Subcontract	tor 1	13,195.00		CII	3.465	4,000.0000	US	Lau res.	17.00	392,221		
BB14	14G GRADER	1.00	282.99			75.680				21,417	372,221	21,417	
D8	D8T	2.00	565.98			102.000				57,730		57,730	
D9	D9T	1.00	282.99			156.750				44,359		44,359	
	Cat 365 Excavator	1.00	282.99			129.250				36,576		36,576	
E365		1.00								37,038		37,038	
	988 LOADER	1.00	282.99	HR.		130.880				27,020			
L988						130.880 92.030				208,347		208,347	
L988 T735	988 LOADER	1.00	282.99	İR								208,347 7,873	
L988 T735 TWT DE1	988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load	1.00 8.00 1.00 ler 4.00	282.99 1 2,263.90 1 282.99 1 1,131.95 1	HR HR MH		92.030	77,378			208,347			
L988 T735 TWT DE1 DE1A	988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla	1.00 8.00 1.00 ler 4.00 ad 2.00	282.99 1 2,263.90 1 282.99 1 1,131.95 1 565.98 1	HR HR MH MH		92.030 27.820 36.190 37.950	40,132			208,347		7,873	
L988 T735 TWT DEI DEIA DE3	988 LOADER Cat 735 Anticulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla Oper. 3: GC, Rollers	1.00 8.00 1.00 der 4.00 ad 2.00 1.00	282.99 1 2,263.90 2 282.99 1 1,131.95 1 565.98 1 282.99 1	HR HR MH MH MH		92.030 27.820 36.190 37.950 34.700	40,132 18,734			208,347		7,873 77,378 40,132 18,734	
L988 T735 TWT DEI DEIA DE3 DEF	988 LOADER Cat 735 Anticulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla Oper. 3: GC, Rollers Oper. Foreman	1.00 8.00 1.00 ler 4.00 ad 2.00 1.00	282.99 1 2,263.90 2 282.99 1 1,131.95 1 565.98 1 282.99 1 282.99 1	HR HR MH MH MH MH MH		92.030 27.820 36.190 37.950 34.700 40.000	40,132 18,734 20,920			208,347		7,873 77,378 40,132 18,734 20,920	
L988 T735 TWT DE1 DE1A DE3 DEF D2	988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy	1.00 8.00 1.00 der 4.00 ad 2.00 1.00 1.00 8.00	282.99 1 2,263.90 1 282.99 1 1,131.95 1 565.98 1 282.99 1 282.99 1 2,263.90 1	iR iR MH MH MH MH MH		92.030 27.820 36.190 37.950 34.700 40.000 33.810	40,132 18,734 20,920 142,539			208,347		7,873 77,378 40,132 18,734 20,920 142,539	
L988 T735 TWT DEIA DEIA DEIA DEI DEI D2	988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy	1.00 8.00 1.00 der 4.00 and 2.00 1.00 1.00 8.00 1.00	282.99 2,263.90 282.99 1,131.95 565.98 1 282.99 1 282.	FIR HR MH MH MH MH MH MH MH		92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050	40,132 18,734 20,920 142,539 17,506			208,347 7,873		7,873 77,378 40,132 18,734 20,920 142,539 17,506	
BE365 SL988 STF735 STWT DE1A DE3 DE3 DEF TD2 TD3 11,122,768.55 400.0106 Unit	988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0425 MH/	1.00 8.00 1.00 der 4.00 ad 2.00 1.00 1.00 8.00 1.00	282.99 1 2,263.90 1 282.99 1 1,131.95 1 565.98 1 282.99 1 282.99 1 2,263.90 1	FIR HR HH MH		92.030 27.820 36.190 37.950 34.700 40.000 33.810	40,132 18,734 20,920 142,539 17,506 317,209			208,347 7,873 413,339		7,873 77,378 40,132 18,734 20,920 142,539 17,506 1,122,769	
8L988 8T735 ETWT DEI DEIA DES DEF TD2 TD3 11,122,768.55 400.0106 Unit	988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0425 MH/ 8/Hr 4,000.1060 Un/S	1.00 8.00 1.00 ler 4.00 ad 2.00 1.00 1.00 8.00 1.00 'CY	282.99 1 2,263.90 2 282.99 1 1,131.95 1 565.98 1 282.99 1 2,263.90 1 282.99 1 4,810.80 1 28.2980 5	FIR HR HH MH		92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050	40,132 18,734 20,920 142,539 17,506			208,347 7,873	392,221 3.47	7,873 77,378 40,132 18,734 20,920 142,539 17,506	
SL988 ET735 ETWT DEI DEIA DE3 DEF TD2 TD3 1,122,768.55 400.0106 Unit	988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0425 MH/ 4,000.1060 Un/S	1.00 8.00 1.00 ler 4.00 ad 2.00 1.00 1.00 8.00 1.00 YCY Shift *	282.99 1 2,263.90 2 282.99 1 1,131.95 1 565.98 1 282.99 1 2,263.90 1 282.99 1 4,810.80 1 28.2980 5	ir HR MH MH MH MH MH MH MH		92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050 1.747]	40,132 18,734 20,920 142,539 17,506 317,209 2.80			208,347 7,873 413,339 3.65	3.47	7,873 77,378 40,132 18,734 20,920 142,539 17,506 1,122,769 9.92	
SL988 ST735 STWT DE1 DE1A DE3 DE5 TD2 TD3 1,122,768.55 400.0106 Unit	988 LOADER Cat 735 Articulated Tr WATER TRUCK Oper. 1: Dozers, Sm Load Oper. 1A: Lrg Loader, Bla Oper. 3: GC, Rollers Oper. Foreman Truck Driver 2 20-40 cy Truck Driver 3 10-20cy 0.0425 MH/ 8/Hr 4,000.1060 Un/S	1.00 8.00 1.00 ler 4.00 ad 2.00 1.00 1.00 8.00 1.00 CCY Shift *	282.99 1 2,263.90 2 282.99 1 1,131.95 1 565.98 1 282.99 1 2,263.90 1 282.99 1 4,810.80 1 28.2980 5	ir HR MH MH MH MH MH MH MH		92.030 27.820 36.190 37.950 34.700 40.000 33.810 33.050	40,132 18,734 20,920 142,539 17,506 317,209 2.80		<i>S</i> ,	208,347 7,873 413,339	3.47	7,873 77,378 40,132 18,734 20,920 142,539 17,506 1,122,769 9.92	

Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 10 05/15/2009 15:56

DIRECT COST REPORT

Unit Constr Equip Sub-Activity Desc Quantity Perm Unit Resource Cost Labor Material Matl/Exp Ment Contract Total

BID ITEM = 2032 Description = Unclassified Excavation

Engr Quan: 786,900.000 Unit = CY Takeoff Quan: 786,900.000

Our take off yielded 619,100 cy of unclassified excavation. The bid quantity is 786,900 cy. We adjusted our activities by a factor of 1.27103 (786,900 / 619,100) so our estimated unit cost is accurate and proportional to this quantity.

propo	rtional to this quanti	ıty.						
and the second and the second and the second		earanan ear		the production of the second s	recent of the Nikola Assessment Country Colonia and Asses	svinska ing sama kalkumanining satus	15000000-F15502300000	
2032A	Gen. Ex. 58+00 - 227+00	-3 000	lf Haul	Ouan: 59.612.00	CY Hrs/Shft:	10.00 Cal:	610 WC	OR1
GENX	Unclassified Excavation	20.00	91.71		6,500.0049 US	Lab Pcs:	11.50	Eqp Pcs: 9.50
8B14	14G GRADER	1.00	91.71 HR	75.680			6,941	6,941
8D8	D8T	2.00	183,42 HR	102.000			18,709	18,709
8E365	Cat 365 Excavator	1.00	91.71 HR	129.250			11,854	11,854
8L988	988 LOADER	0.50	45.86 HR	130.880			6,002	6,002
8T735	Cat 735 Articulated Tr	4.00	366.84 HR	92.030			33,760	33,760
8TWT	WATER TRUCK	1.00	91.71 HR	27.820			2,551	2,551
OE1	Oper. 1: Dozers, Sm Load	ег 2.50	229.28 MH	36.190	15,673		•	15,673
OEIA	Oper. 1A: Lrg Loader, Bla		183.42 MH	37.950	13,006			13,006
OE3	Oper. 3: GC, Rollers	1.00	91.71 MH	34.700	6,071			6,071
OEF	Oper. Foreman	1.00	91.71 MH	40.000	6,780			6,780
TD2	Truck Driver 2 20-40 cy	4.00	366.84 MH	33.810	23,097			23,097
TD3	Truck Driver 3 10-20cy	1.00	91.71 MH	33.050	5,673			5,673
\$150,116.71	0.0176 MH/	CY	1,054.67 MH	[0.735]	70,300		79,817	150,117
650.0055			* 9.1710 Shifts	Į	1.18		1.34	2.52
2007/00/01/05/05/05/05/05/05/05/05/05/05/05/05/05/		enteranome		raest for entry of the state of				
2032B	Gen. Ex. 227+00 - 300+00	3,000	If Haul	Quan: 76,262.00	CY Hrs/Shft:	10.00 Cal:	610 WC:	OR1
GENX	Unclassified Excavation		117.32	CH Prod:	6,499.9974 US	Lab Pcs:	11.50	Eqp Pes: 9.50
8B14	14G GRADER	1.00	117.33 HR	75.680			8,880	8,880
8D8	D81.	2.00	234.65 HR	102.000			23,934	23,934
8E365	Cat 365 Excavator	1.00	117.33 HR	129.250			15,165	15,165
8L.988	988 LOADER	0.50	58.66 HR	130.880			7,677	7,677
8T735	Cat 735 Articulated Tr	4.00	469.30 HR	92.030			43,190	43,190
8TWT	WATER TRUCK	1.00	117.33 HR	27.820			3,264	3,264
OE1	Oper. 1: Dozers, Sm Loado	er 2.50	293.32 MH	36.190	20,051			20,051
OE1A	Oper. IA: Lrg Loader, Bla	d 2.00	234.65 MH	37.950	16,638			16,638
OE3	Oper. 3: GC, Rollers	1.00	117.33 MH	34.700	7,767			7,767
OEF	Oper. Foreman	1.00	117.33 MH	40.000	8,674			8,674
TD2	Truck Driver 2 20-40 cy	4.00	469.30 MH	33.810	29,548			29,548
TD3	Truck Driver 3 10-20cy	1.00	117.33 MH	33.050	7,258			7,258
\$192,046.05	0.0176 MH/	CY	1,349.26 MH	[0.735]	89,936		102,110	192,046
650.0341	Units/Hr 6,500.3409 Un/S	hist	* 11.7320 Shifts		1.18		1.34	2.52
2000 TO THE RESIDENCE OF T		4000000000						
2032C	Gen. Ex. Glacial Till @ 7	75+00 -		the many property of the second second second	CY Hrs/Shft;	10.00 Cal:		
<u>GENX</u>	Unclassified Excavation		535.20		6,500.0002 US	Lab Pcs:	14.50	Eqp Pcs: 12.50
8B14	14G GRADER	1.00	535.20 HR	75.680			40,504	40,504
8D6LGP	D6LGP	1.00	535.20 HR	39.200			20,980	20,980
8D8	D8T	2.00	1,070.41 HR	102.000			109,182	109,182
8E365	Cat 365 Excavator	1.00	535.20 HR	129.250			69,175	69,175
8L988	988 LOADER	0.50	267.60 HR	130.880			35,023	35,023
8T735	Cat 735 Articulated Tr	6.00	3,211.23 HR	92.030			295,529	295,529
8TWT	WATER TRUCK	1.00	535.20 HR	27.820			14,889	14,889
OEI	Oper. 1: Dozers, Sm Loade		1,873.22 MH	36.190	128,050			128,050
OEIA	Oper. 1A: Lrg Loader, Black		1,070.41 MH	37.950	75,899			75,899
OE3	Oper. 3: GC, Rollers	1.00	535.20 MH	34.700	35,430			35,430
OEF	Oper. Foreman	1.00	535.20 MH	40.000	39,565			39,565
TD2	Truck Driver 2 20-40 cy	6.00	3,211.23 MH	33.810	202,184			202,184
TD3	Truck Driver 3 10-20cy	1.00	535.20 MH	33.050	33,108		606 101	33,108
\$1,099,519.2			7,760.46 MH	[0.921]	514,237 1.48		585,282 1.68	1,099,519 3.16
650.0056	Units/Hr 6,500.0561 Un/SI	niii '	* 53.5200 Shifts		1.40		1.08	3.10

Page 11 05/15/2009 15:56

Activity Resour	Desc ce	Pcs	Quantity Unit		Unit Cost		Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total	
BID ITEM Description				Unit =	CY	Takeoff (Quan: T	786,900.000	Engr	Quan: 78	6,900.000	
2032D	C. F. C. LITHO	E 0100	E 000 11		41 200 00	CV II	ove.	10.00 6.1	40.337	ont		
GENX	Gen. Ex. Glacial TIII @ 8 Unclassified Excavation	DUTUU:	64.13			6,500.0062		10.00 Cal: Lab Pcs:	14.50	Eqp Pcs	12.50	<i>MERIKET</i>
8B14	14G GRADER	1.00	64.14 HR	011	75.680	0,5001000	. 05	Lao i cs.	4,854	Lqp1 C3	4,854	
8D6LGP	D6LGP	1.00	64.14 HR		39.200				2,514		2,514	
8D8	D8T	2.00	128.28 HR		102.000				13,085		13,085	
8E365	Cat 365 Excavator	1.00	64.14 HR		129.250				8,290		8,290	
8L988	988 LOADER	0.50	32.07 HR		130.880				4,197		4,197	
8T735 8TWT	Cat 735 Articulated Tr	0.00	384.83 HR		92.030				35,416		35,416	
OE1	WATER TRUCK Oper. 1: Dozers, Sm Loade		64.14 HR 224.48 MH		27.820 36.190	15,345			1,784		1,784 15,345	
OE1A	Oper. 1A: Lrg Loader, Bla		128.28 MH		37.950	9,096					9,096	
OE3	Oper. 3: GC, Rollers	1.00	64.14 MH		34.700	4,246					4,246	
OEF	Oper. Foreman	1.00	64.14 MH		40.000	4,742					4,742	
TD2	Truck Driver 2 20-40 cy	6.00	384.83 MH		33.810	24,230					24,230	
TD3	Truck Driver 3 10-20cy	1.00	64.14 MH		33.050	3,968					3,968	
\$131,766.55			930.01 MH * 6.4130 Shifts		[0.921]	61,626			70,141		131,767	
650.0858	Units/Hr 6,500.8576 Un/S	niit	* 0.4130 Sniks	net M. San a Michigan School School School	and a second	1.48		Park CAN Salvarian community Au-	1.68	dryanetes arministra	3.16	tia terroriana eta .
2032E	Gen, Ex. Glacial Till @ 9	00+00 -	5,000 H	Quan:	157,227.00	CY Hrs/	Shft: 1	0.00 Cal: 0	10 WC	OR1		
GENX	Unclassified Excavation		241.88	CH	Prod:	6,500.0025	US	Lab Pcs:	14.50	Eqp Pcs:	12.50	
8B14	14G GRADER	1.00	241.89 HR		75.680				18,306		18,306	
8D6LGP	D6LGP	1.00	241.89 HR		39.200				9,482		9,482	
8D8	D8T	2.00	483.78 HR		102.000				49,346		49,346	
8E365 8L988	Cat 365 Excavator 988 LOADER	1.00 0.50	241.89 HR 120.94 HR		129.250 130.880				31,264		31,264	
87735	Cat 735 Articulated Tr	6.00	1,451.33 HR		92.030				15,829 133,566		15,829 133,566	
8TWT	WATER TRUCK	1.00	241.89 HR		27.820				6,729		6,729	
OEI	Oper. 1: Dozers, Sm Loade		846.61 MH		36.190	57,873			-,		57,873	
OEIA	Oper. 1A: Lrg Loader, Black	3.00	483.78 MH		37.950	34,303					34,303	
OE3	Oper. 3: GC, Rollers	1.00	241.89 MH		34.700	16,013					16,013	
OEF	Oper. Foreman	1.00	241.89 MH		40.000	17,882					17,882	
TD2 TD3	Truck Driver 2 20-40 cy Truck Driver 3 10-20cy	6.00 1.00	1,451.33 MH 241.89 MH		33.810 33.050	91,378					91,378	
\$496,934.71	-		3,507.39 MH		0.921	14,964 232,413			264,522		14,964 496,935	
650.0207			* 24.1880 Shifts		[0.521]	1.48			1.68		3.16	
		26592000		200000000000000000000000000000000000000			1965					(X89)
2032F	Gen. Ex. 944+00 - 1052+0	0 - 20,0						0:00 Cal: 6				
<u>GENX</u>	Unclassified Excavation	1.00	27.32	CH		4,000.0000	US	Lab Pcs:	17.50	Eqp Pcs:	15.50	
8B14 8D8	14G GRADER D8T	1.00 2.00	27.33 HR 54.66 HR		75.680 102.000				2,068 5,575		2,068 5,575	
8E365	Cat 365 Excavator	1.00	27.33 HR		129.250				3,532		3,532	
8L988	988 LOADER	0.50	13.66 HR		130.880				1,788		1,788	
8T735	Cat 735 Articulated Tr	10.00	273.28 HR		92.030				25,150		25,150	
TWT8	WATER TRUCK	1.00	27.33 HR		27.820				760		760	
OE1	Oper. 1: Dozers, Sm Loade		68.32 MH		36.190	4,670					4,670	
OEIA	Oper. 1A: Lrg Loader, Blac		54.66 MH		37.950	3,876					3,876	
OE3 OEF	Oper. 3: GC, Rollers Oper. Foreman	1.00 1.00	27.33 MH		34.700 40.000	1,809					1,809	
TD2	Truck Driver 2 20-40 cy	10.00	27.33 MH 273.28 MH		33.810	2,020 17,206					2,020 17,206	
TD3	Truck Driver 3 10-20cy	1.00	27.33 MH		33.050	1,691					1,691	
\$70,146.57	0.0437 MH/C		478.25 MH	1	[1.786]	31,272			38,874		70,147	
400.1098			* 2.7320 Shifts			2.86			3.56		6.42	
2032G	Gen. Ex. 1079+00 - 1106+	JU = 4,00	er by an annual and a feath air an air an			CY Hrs/S		0.00 Cal: 6			10.50	
<u>GENX</u> 8B14	Unclassified Excavation 14G GRADER	1.00	87.21 87.21 HR	Cri	75.680	6,500.0006	US	Lab Pcs:	12.50 6,600	Eqp Pcs:	10.50 6,600	
8D8	D8T	2.00	174.42 HR		102.000				17,791		17,791	
8E365	Cat 365 Excavator	1.00	87.21 HR		129.250				11,272		11,272	
8L988	988 LOADER	0.50	43.61 HR		130.880				5,708		5,708	

Juneau-Lynn Canal Highway Zones 1-3

Page 12 05/15/2009 15:56

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contrac		
BID ITEM Description =	= 2032 Unclassified Excavation			Unit = CY	Takeoff	Quan:	786,900.000	Engr Ç	Quan: 7	786,900.000	
8T735	Cat 735 Articulated Tr	5.00	436.06 HR	92.030				40,131		40,131	
8TWT	WATER TRUCK	1.00	87.21 HR	27.820				2,426		2,426	
OE1	Oper. 1: Dozers, Sm Loade		218.03 MH	36.190	14,904			2, 120		14,904	
OE1A	Oper. 1A: Lrg Loader, Blad		174.42 MH	37.950	12,368					12,368	
OE3	Oper. 3: GC, Rollers	1.00	87.21 MH	34.700	5,773					5,773	
OEF	Oper. Foreman	1.00	87.21 MH	40.000	6,447					6,447	
TD2	Truck Driver 2 20-40 cy	5.00	436.06 MH	33.810	27,455					27,455	
TD3	Truck Driver 3 10-20cy	1.00	87.21 MH	33.050	5,395					5,395	
\$156,269.24	0.0192 MH/C	Υ	1,090.14 MH	[0.795]	72,342			83,927		156,269	
650.0172 U	Jnits/Hr 6,500.1720 Un/Sh	ift	* 8.7210 Shifts	• •	1.28			1.48		2.76	
		1963/644						4547 3 44 546 64	2015050		ener.
2032H	Gen. Ex. 1025+00 - 1052+0	00,-3,00		Quan: 36,607.00			10:00 Cal:				
<u>GENX</u>	Unclassified Excavation		56.31		6,499.9950	6 US	Lab Pcs:		Eqp Pc		
8B14	14G GRADER	1.00	56.32 HR	75.680				4,262		4,262	
8D8	D8T	2.00	112.64 HR	102.000				11,489		11,489	
8E365	Cat 365 Excavator	1.00	56.32 HR	129.250				7,279		7,279	
8L988	988 LOADER	0.50	28.16 HR	130.880				3,686		3,686	
8T735	Cat 735 Articulated Tr	4.00	225.27 HR	92.030				20,732		20,732	
8TWT	WATER TRUCK	1.00	56.32 HR	27.820				1,567		1,567	
OEt	Oper. 1: Dozers, Sm Loader		140.80 MH	36.190	9,625					9,625	
OE1A	Oper. IA: Lrg Loader, Blad		112.64 MH	37.950	7,987					7,987	
OE3	Oper. 3: GC, Rollers	1.00	56.32 MH	34.700	3,728					3,728	
OEF	Oper. Foreman	1.00	56.32 MH	40.000	4,163					4,163	
TD2	Truck Driver 2 20-40 cy	4.00	225.27 MH	33.810	14,183					14,183	
TD3	Truck Driver 3 10-20cy	1.00	56.32 MH	33.050	3,484					3,484	
\$92,185.95	0.0176 MH/C		647.67 MH	[0.735]	43,171			49,015		92,186	
650.0977 U	Jnits/Hr 6,500.9767 Un/Sh	ift	* 5.6310 Shifts		1.18			1.34		2.52	
> Ite	m Totals: 2032 -	Huclas	sified Excavation	-							
\$2,388,984.99		CHCIAS	16,817.85 MH	[6 8 8 3]	1,115,297		1	,273,688		2,388,985	
3.036	786900 C	v	10,017.00 17111	[0.003]	1.42		* 1	1.62		3.04	
5.050	730700 C	•			1,-72			1.02		2.07	

Elting, Inc. S9871

Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 13 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource

Pcs

Quantity Unit

Unit Cost

Perm Constr Labor Material Matl/Exp

Equip Sub-Ment Contract

Total

BID ITEM = 2035 Description = Βοποw

Desc

Unit =

CY Takeoff Quan: 242,500.000

Engr Quan: 242,500.000

2035A	Borrow		Quan: 242,500.00 CY Hr	/Shft: 10:00 Cal: 610 WC	: ORI
3BORROW	Borrow If Needed	242,500.00 CY	2.500	606,250	606,250
\$606,250.00 2.500		- Borrow 500 CY	[]	606,250 2.50	606,250 2.50

Elting, Inc. S9871

Asok

Juneau-Lynn Canal Highway Zones 1-3

DIRECT COST REPORT

Page 14 05/15/2009 15:56

Activity

Resource

Desc

Quantity

Pcs

Unit

Unit Cost

Constr Penn Labor Material Matl/Exp Equip Sub-Ment Contract

Total

BID ITEM = 2036

Description =

Controlled Blasting

Unit =

SY Takeoff Quan: 148,000.000

Engr Quan: 148,000.000

2036 4DRILLCB

Controlled Blasting Cont. Blasting Subcontracto

148,000.00 SY

11.850

Quan: 148,000.00 SY Hrs/Shft: 10.00 Cal: 610 WC: OR1 1,753,800 1,753,800

Elting,	Inc.

S9871 Asok Juneau-Lynn Canal Highway Zones 1-3

DIRECT COST REPORT

Page 15 05/15/2009 15:56

~~~~~~	OCCI ALCIA CAL

Activity Resource	Desc	Pcs	Quantity Unit		Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip	Sub- Contract	Total
					0031	Luooi	Triater ran	тист Ехр	MCHE	Comrace	Total
BID ITEM	= 2039										
Description =				Unit =	LF	Takeoff	Quan:	4,000.000	Engr	Quan:	4,000.000
2039A	Barrier Rocks			Quan: 4,0	00.00	LE Hrs	/Shft: 1	0.00 Cal:	610. WC	·OR1	
BLANK	A Blank Crew		100.00		rod:	400.000		Lab Pcs:	4.00	Eqp Pcs	: 3.00
8E330	330 Excavator	2.00	200.00 HR	73	.850				14,770		14,770
8T730	Cat 730 Articulated Tr	1.00	100.00 HR	78.	.500		•		7,850		7,850
LAB1	Laborer 1: ACPaver, Ge	n.L 1.00	100.00 MH	28	.240	5,630			.,		5,630
OEIA	Oper. IA: Lrg Loader, B	lad 2.00	200.00 MH	37.	.950	14,181					14,181
TD2	Truck Driver 2 20-40 cy	1.00	100.00 MH	33.	.810	6,296					6,296
\$48,727.07	0.1000 MI	VLF	400.00 MH	[ 4.0	24]	26,107			22,620		48,727
40.0000	Units/Hr 400.0000 Un	/Shift *	10.0000 Shifts	•	•	6.53			5.66		12.18
	m Totals: 2039	- Barrier	Rocks								
\$48,727.07	0.1000 MH/LF		400.00 MH	[ 4.0	24]	26,107			22,620		48,727
12.182	4000 L	F				6.53			5.66		12.18

Elting, Inc. \$9871

Asok

Juneau-Lynn Canal Highway Zones 1-3

DIRECT COST REPORT

Page 16 05/15/2009 15:56

Total

Sub-

Activity Quantity Unit Perm Constr Equip Unit Resource Pcs Cast Labor Material Matl/Exp Ment Contract

BID ITEM = 3010

Description = Aggregate Base

TN Takeoff Quan: Unit =

97,120.000

Engr Quan: 97,120.000

NOTE: The typical sections do not show any aggregate base section, but do show a 2" AC section over a 4" ATB section. These section thicknesses do not translate to the quantities in the bid schedule.

Quan: 97,120.00 TN Hrs/Shft: 10.00 Cal; 610 WG: OR1 3010A Crush AB 4CRUSHER Crushing sub for AB 97,120.00 TN 4.000 388,480 388,480

3010B Load & Haul AB In Zone 1 Quan: 48,560.00 TN Hrs/Shft: 10.00 Cal: 610 WC: OR1 Hauling from approx. 425+00 for Zone 1 & Comet for Zone 3. Average haul from Comet is 6.5 miles, average haul from 425+00 is 4 miles. Average haul speed is 25 mph.

Zone 3

Position & Load:

3 Min.

Haul:

16 Min.

Dump:

1 Min.

Turn around & renturn: 17 Min. Total

37 Minutes => Round up to 40 Min.

Zone 1

Position & Load:

3 Min.

Haul:

10 Min.

Dump: Turn around & return: 1 Min. 11 Min.

Total:

25 Min. => Round up to 30 Min.

Average 22 tons per load

Average haul for Zones 1-3 = 35 minutes

BLANK	A Blank Crew		292.53	CH	Prod:	166.0000 UH	Lab Pes:	1.00	Eqp Pcs:	6.00
8L980	980 LOADER 1.0	00 292	53 HR		86.480			25,298		25,298
8RBELLY	RENTED BELLY DUMP 5.0	00 1,462	65 HR		105.000			153,578		153,578
OEI	Oper. 1: Dozers, Sm Loader 1.0	00 292	53 MH		36.190	19,997				19,997
\$198,873.05	0.0060 MH/TN	292	53 MH		[ 0.254 ]	19,997		178,876		198,873
166,0001 1	Juits/Hr * 1.660.0007 Un/Shift	29.25	30 Shifts			0.41		3.68		4.10

3010C	Place AB			Опап	: 97.120.00	TN Hrs/Slift:	10.00 Cal:	610 WC:	OR1		
BLANK	A Blank Crew	er mandeleting a febru	585.06		Prod:	166.0000 UH	Lab Pes:	3.00	Eqp Pcs:	2.00	٠
8B14	14G GRADER	1.00	585.06 HR		75.680			44,277		44,277	
8CSD	84" SMOOTH DRUM	1.00	585.06 HR		38.750			22,671		22,671	
OEI	Oper. 1: Dozers, Sm Loader	1.00	585.06 MH		36.190	39,994				39,994	
OEIA	Oper. 1A: Lrg Loader, Blad	1.00	585.06 MH		37.950	41,485				41,485	
OE3	Oper. 3: GC, Rollers	1.00	585.06 MH		34.700	38,731				38,731	
\$187,158.02	0.0180 MH/TI	4	1,755.18 MH		[ 0.765 ]	120,210		66,948		187,158	
166.0001	Units/Hr * 1,660.0007 Un/Shi	ſt	58.5060 Shifts			1.24		0.69		1.93	

3010D	Finish AB					Quan:	84.00	ACR Hrs/S	Shft: 1	0.00 Cal: (	10 WC:	OR1	
BLANK	A Blank Crew				560.00	CH	Prod:	1.5000	US	Lab Pcs:	3.00	Eqp Pcs:	2.00
8B14	14G GRADER	1.0	00	560.00	HR		75.680				42,381		42,381
8CSD	84" SMOOTH D	RUM 1.6	00	560.00	HR		38.750				21,700		21,700
OE1	Oper. 1: Dozers,	Sm Loader 1.6	00	560.00	MH		36.190	38,281					38,281
OE1A	Oper. 1A: Lrg Lo	ader, Blad 1.0	00	560.00	MH		37.950	39,708					39,708
OE3	Oper. 3: GC, Roll	ers 1.0	00	560.00	MH		34.700	37,072					37,072
\$179,141.44	20.00	00 MH/ACR	E	1,680.00	MH	[ 84	6.558]	115,061			64,081		179,141
0.1500	Units/Hr 1.50	00 Un/Shift	*	56.0000	Shifts			1,369.77			762.87	2	,132.64

3010E	Load & Haul AB Z	оле 3	Quan:	48,560.00 T	ľN. Hrs/Shft: 1	0.00 Cal;	610 WC	: ORI	
<u>BLANK</u>	A Blank Crew	292.53	CH	Prod:	166.0000 UH	Lab Pcs:	1.00	Eqp Pcs:	5.00

Elting, Inc. S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 17 05/15/2009 15:56

DIRECT	COST	KEPOKI	

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Per Labor Materi		Equip Su Ment Contra	
212 112,11	= 3010	•						05.150.000
Description =	Aggregate Base			Unit = TN	Takeoff Quan:	97,120.000	Engr Quan:	97,120.000
8L980	980 LOADER	1.00	292.53 HR	86.480			25,298	25,298
8RBELLY	RENTED BELLY DUMP	4.00	1,170.12 HR	105.000			122,863	122,863
OEI	Oper. 1: Dozers, Sm Loader	1.00	292.53 MH	36.190	19,997			19,997
\$168,157.40	0.0060 MH/TI	V	292.53 MH	[ 0.254 ]	19,997		148,161	168,157
166.0001 Ur	nits/Hr * 1,660.0007 Un/Shi	n	29.2530 Shifts		0.41		3.05	3.46
> Item	Totals: 3010 -	Aggreg	gate Base					
\$1,121,809.91	0.0413 MH/TN		4,020.24 MH	[ 1.752 ]	275,264		•	30 1,121,810
11.551	97120 TN				2.83		4.72 4.0	00 11.55

Elting, Inc.

\$9871 Juneau-Lynn Canal Highway Zones 1-3

Page 18 05/15/2009 15:56

Asok

DIRECT COST REPORT

Quantity Activity Desc Unit Perm Constr Equip Sub-Unit Labor Material Matl/Exp Resource Pcs Cost Ment Contract Total

BID ITEM = 3060 Description = Asphalt Treated Base

Unit = TN Takeoff Quan: 47,525.000 Engr Quan: 47,525.000

ATB & AC production & laydown costs determined through conversations with Bob McCafferty w/ McCafferty Whittle Construction, a local paving contractor specializing in large-scale asphalt paving projects.

3060A Crush ATB Aggregate Quan: 47,525.00 TN: Hrs/Shft; 10.00 Cal: 610 WC: OR1 **4CRUSHATB** Crusher Sub for ATB 47,525.00 TN 4.000 190,100 190,100

Quan: 47,525.00 TN Hrs/Shft: 10.00 Cal: 610 WC: OR1 3060B Haul ATB to Paver

AC plant will be set up at 425+00 in Zone 1.

ATB & AC paving miles per zone:

Zone 1 = 9.8 miles

Zone 2 = 2.3 miles Zone 3 = 10.1 miles

-Average haul distance to area between 58+00 & 273+00 (4.07 mi) will be 5 miles. Average haul distance to area between 273+00 & 577+00 (5.8 miles) will be 1.5 miles. Average haul length for Zone 1 is ((4.07x5)+(5.8x1.5))/(4.07+5.8) = 2.94, or 3 miles.

-Average haul distance to Zone 2 is 4.6 miles (425+00 - 666+00 +/-)

-Average haul distance to Zone 3 is 11.3 miles (425+00 - 1023+00 +/-)

Average haul length for project = ((9.8x3)+(2.3x4.6)+(10.1x11.3))/22.2 = 6.94 miles, rounded to 7. Average haul speed = 25 mph.

Position & Load: Haul:

Dump: 1 Min. Turn around & return: 19 Min.

Total 40 Minutes

22 tons per load @ 1.5 loads per hour = 33 tons per hour @ \$105/hr = \$3.20 per ton to haul ATB & AC. BLANK A Blank Crew 0.00 CH Prod: 0.0000Lab Pcs: 0.00 Eqp Pcs: 0.00

3ATBACHAUL Haul cost for ATB & AC 47,525.00 TN 3.200 152,080 152,080

3060C Process & Laydown ATB Quan: 47,525.00 TN Hrs/Shft: 10.00 Cal: 610 WC: OR1 3ATBLAYDOWNCost to Process & Laydown 47,525.00 TN 16.000 760,400 760,400

=> Item Totals: - Asphalt Treated Base \$1,102,580.00 190,100 1,102,580 912.480 [] 23.200 47525 TN 19.20 4.00 23.20

Appendix - Costs Page 72

Elting, Inc.	E	lting,	Inc.
--------------	---	--------	------

===> Item Totals:

\$1,294,272.00

25.200

4010

51360 TN

S9871 Asok Juneau-Lynn Canal Highway Zones 1-3

Page 19 05/15/2009 15:56

421,152

8.20

873,120 1,294,272

25.20

17.00

### DIRECT COST REPORT

Activity Desc Quantity Unit Perm Constr Equip Sub-Unit Pcs Labor Material Matl/Exp Ment Contract Total Resource Cost BID ITEM = 4010 TN Takeoff Quan: Description = Asphalt Concrete, Type II: Class B Unit = 51,360.000 Engr Quan: 51,360.000 4010A Crush AC Aggregates Quan; 51,360.00 TN Hrs/Shft; 10:00 Cal; 610 WC: OR1 3CRUSHACROC Crush AC Rock 256,800 51,360.00 TN 5.000 256,800 4010B Haul AC Quan: 51;360.00 TN Hrs/Shft: 10.00 Cal: 610 WC: OR1 3ATBACHAUL Haul cost for ATB & AC 164,352 164,352 51,360.00 TN 3.200 4010C Process & Laydown AC Quan: 51;360:00 TN Hrs/Shft: 10:00 Cal: 610 WG: OR1 **4ACPAVE** Process & Laydown AC 51,360.00 TN 17.000 873,120 873,120

[]

- Asphalt Concrete, Type II: Class B

Appendix - Costs

Page 73

S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 20 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource Desc

Quantity Pcs

Unit Penn Labor Material Matl/Exp Cost

Constr

Equip Sub-Ment Contract

BID ITEM = 4012 Description = Asphalt Cement, Grade 58-28

Unit =

TN Takeoff Quan:

5,232.000

Engr Quan:

5,232.000

Total

Asphalt Cement; Grade 58-28 Liquid Asphalt 2ASPHALT

5,232.00 TN

Unit

510.300

[]

Quan: 5,232.00 TN Hrs/Shit: 10.00 Cal: 610 WC: OR1 2,669,890

2,669,890

==> Item Totals: \$2,669,889.60

510.300

4012

5232 TN

- Asphalt Cement, Grade 58-28

2,669,890 510.30 2,669,890 510.30

Appendix - Costs

Page 74

Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 21 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource Desc

Quantity Unit

Pcs

Unit Cost

Constr Peim Labor Material Matl/Exp Equip Sub-Ment Contract

Total

BID ITEM = 4020 Description = STE-1 Asphalt for Tack Coat

Unit =

TN Takeoff Quan:

125.000

Engr Quan:

125.000

 4020A
 STE-I Asphalt for Tack Coat
 Quan;
 125.00 TN
 Hrs/Shft;
 10.00
 Cal; 610 WC; OR1

 4TACK
 Liquid Tack Oil
 125.00 TN
 510.300
 63,788
 63,788

Elting,	Inc.

S9871 Asok Juneau-Lynn Canal Highway Zones 1-3

Page 22 05/15/2009 15:56

DIRECT COST REPORT

Quantity Activity Desc Unit Perm Constr Equip Sub-Unit Resource Pcs Cost Labor Material Matl/Exp Ment Contract Total BID ITEM = 5070 Description = Safety Rail Unit = Takeoff Quan: 1,553.000 1,553.000 Engr Quan: 

Prod: 0.180 12.000 230.000 2.817 10.000 12.340 28.240	2.0000 £	S La 922 2,310 690 37	200 247	Eqp Pcs: 2.00 922 2,310 690 37 200 247
12.000 230.000 2.817 10.000 12.340	3 378	2,310 690		2,310 690 37 200
230.000 2.817 10.000 12.340	3 378	690		690 37 200
2.817 10.000 12.340	3 378			37 200
10.000 12.340	3 378	37		200
12.340	3 378			
	3 378		247	247
28.240	3 37ዩ			
	2,270			3,378
[ 1.273 ]	3,378	3,960	447	7,784
	2.17	2.55	0.29	5.01
A				t
[ 1.273 ]	3,378	3,960	447	7,784
	2.17	2.55	0.29	5.01
	[ 1.273 ]	[1.273] 3,378	[1.273] 3,378 3,960	[1.273] 3,378 3,960 447

Page 23

S9871 Asok	Juneau	-Lynn Canal H	lighway	Zones 1-3	aia	<b>ጀርፕ ር</b> ር	ST REPO	nr T					2009 15:56
					2.10	20100	or Nor C	,,,,,					
Activity Resource	Desc		Pcs	Quantity	Unit		Unit Cost		Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM =	= 5111												
Description =	MSE Wall					Unit =	SF	Takeoff	Quan:	22,306.000	Engr	Quan: 2	2,306.000
5111A	Structure E	ceavation .				Quan:	4,180.00	CY Hr	/Shft:	10.00 Cal:	610 WG	ORI	
Drill & sho BLANK	ot costs of A Blank Crev	: \$7.50 pe v	r cy :	tor the	167.20		on nece: Prod:			olish str Lab Pcs:	ucture 1.50	Eqp Pcs:	
4DRILLNSHOO			r	3,500.00		<b>0</b>	7.500	200.000	0 00	200 1 00.	11.00	26,250	26,250
8E322	322 EXCAV		1.50	250.80			49.680				12,460	·	12,460
BHAMMER	Hydraulic Ha		0.50	83.60			54.480				4,555		4,555
8RDUMP OEI		JMP TRUCK ers, Sm Loadei		250.80 250.80			85.000	17.144			21,318		21,318
\$81,726.49	•	0.0600 MH/C		250.80			36.190 [ 2.533 ]	17,144 17,144			38,332	26,250	17,144 81,726
25.0000 Un		0.0000 Un/Sh		16.7200			[ 2.555 ]	4.10			9.17	6.28	19.55
5111B	Form & Pou	r Levelling Pa	ıds			Quan:	1,585.00	LF Hrs	/Shft: 1	0.00 Cal:	610 WC	:OR1	
BLANK	A Blank Crev	v			105.66		Prod:	150.000		Lab Pes:	4.00	Eqp Pcs:	
CONCRETE	•	oncret@130%		60.00			250.000		19,500				19,500
BFORMWORK BSMALLTOOLS			2.00	40.00			100.000			4,000	0.150		4,000
ABI		oois CPaver, Gen.L	3.00	317.00 422.67			10.000 28.240	22 704			3,170		3,170
550,464.41		0.2666 MH/L		422.67			[8.786]	23,794 23,794	19,500	4,000	3,170		23,794 50,464
15.0009 Un		0.0095 Un/Sh		10.5660			[0.700]	15.01	12.30	2.52	2.00		31.84
2) Process	ckfill is t material wi ocessing, t ming shot r the wall o haul 2 mile shot rock	slope.  o be mined  ll be shot esting, ar ock at the n a per-to s to proce to acheive	from the from the first from the fir	rock coduced to ivery to tof exist is as	uts enco o a 3"-0 o the wa cavation s such: ocated a	ountere ountere all sit out to fu	ed throuduct by tes is i	ghout the excancidenta	ne proj avation al to t cocesse	ect, most operation he MSE wal d MSE wal	tly in on. The all item lil fill	the Zone e furthe m. The	e 1B er cost
	haul to wal cost to pro		all b	ackfill	and del	iver t	ro wall	cite ic	\$8 nn/	ton	;	\$2/ton	
NOTE: The integration of the properties of the p	item called nd an excav of install	"2MAT'LMC ator or fo ation, and	B" is	an hou:	rly rate	based	on the	cost of	a fla	tbed truc	ck, an o	equipmen aterial:	1t 5'
BLANK				40.00	637.31	CH	Prod:	350.0000		Lab Pcs:	8.00	Eqp Pcs:	
MAT'LMOB MSEWALLFIL	Mob Mat'l Fm			40.00 29,356.00			230.000 8.000		9,200				9,200
	TPrecast panels			22,306.00 ·			13.167		234,848 293,703				234,848 293,703
CSD	84" SMOOTH		0.50	318.66			38.750		,,,		12,348		12,348
03	D3		0.75	477.99			20.180				9,646		9,646
E320	320 EXCAVA		0.75	477.99			44.000				21,032		21,032
rwr	WATER TRU		0.25	159.33			27.820				4,433		4,433
AB1	Laborer 1: AC	•		3,186.57			28.240	179,389					179,389
El	Oper. 1: Dozei			1,274.63			36.190	87,131					87,131
EF 398,843.31	Oper. Foremar	ı .2285 MH/SF	1.00	637.31 i 5,098.51 i			40.000	47,113	527 751		17 150		47,113
35.0002 Unit		.0024 Un/Shi		63.7310			[ 8.453 ]	313,634 14.06	24.11		47,458 2.13		898,843 40.30
11D	Form & Pour					Ouest	1.502.00	01005020		).00 Cal: 6		OD1	70,50
COPING	CIP Coping	-AkieRessess		1,585.00	_F	-Zualli	108.000	LPSC/DIS/	ənus (SI)	mun est o		OKI 171,180	171,180
													•

[ 9.552 ] 354,573 557,251

15.90

24.98

----> Item Totals: 5111 \$1,202,214.21 0.2587 MH/SF 53.896 22306

- MSE Wall

22306 SF

5,771.98 MH

88,960 197,430 **1,202,214** 3.99 8.85 53.90

4,000

0.18

Juneau-Lynn Canal Highway Zones 1-3

Page 24 05/15/2009 15:56

### DIRECT COST REPORT

Activity Resource	Desc	Pcs	Quantity Unit		Unit Cost		Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total	
BID ITEM = Description =	6020 Structural Plate Arch 20'	Span, 8'3 <i>.5</i> "	R	Unit =	= LF	Takeoff	Quan:	50.000	Engr	Quan:	50.000	
				CONTRACTOR						2055000N2680		366553A
6020A	Excavate for Footings			and the second	ı: 2.00	->		10.00 Cal:				
BLANK	A Blank Crew			) CH	Prod:	0.500	10 S	Lab Pcs:	2.00	Eqp Pcs		
8E322	322 EXCAVATOR	1.00	5.00 HR		49.680				248		248	
8RDUMP	RENTED DUMP TRUC		5.00 HR		85.000	2.42			425		425	
OEI	Oper. 1: Dozers, Sm Loa	der 1.00	5.00 MH 5.00 MH		36.190 34.700	342 331					342 331	
OE3 \$1,346.18	Oper. 3: GC, Rollers 5.0000 MF		10.00 MH		34.700	673			673		1,346	
0.4000 Unit			0.5000 Shifts	*	[ 200.703 ]	336.39			336.70		673.09	
O.HOO OIII.	3/1/1 4.0000 OIII	Managara and and and and and and and and and an	o.5000 omits	MARKATAN PROPERTY (NA	nadanian esta esta esta esta esta esta esta esta		n-ortoballenessocial	ANNERSON CONTRACTOR	220.70			corpson.
6020B	Form, Pour & Strip Fo	otings		Quan	: 2.00	EA Hr	s/Shft: 1	0.00 Cal:	610 WC	: OR1		
<u>BLANK</u>	A Blank Crew	_	15.00	CH	Prod:	1.500	0 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
2CONCRETE	Ready-Mix Concrete		39.00 CY		250.000		9,750				9,750	
3MISCMAT	Misc. Small Material		5.00 EA		100.000			500			500	
8SMALLTOOLS		2.00	30.00 HR		10.000				300		300	
LAB2	Laborer 2: Culvert, Conc		45.00 MH		29.140	2,592	0.750	<b>700</b>	200		2,592	
\$13,141.94	22.5000 MH		45.00 MH 1.5000 Shifts	*	[ 764.945 ]	2,592 1,295.97	9,750	500 250.00	300 150.00		13,142 6,570.97	
0.1333 Units	s/Hr 1.3333 Un/	Sniit	1.5000 Sams	·		1,293.97	4,875.00	250.00	130.00	reducing only to a topular	0,370.97	
6020C	Install Plate Arch			Ouan	1.00	IS Hrs	/Shft: 1	0.00 Cal:	610 WC	: OR1		
BLANK	A Blank Crew	and in the second second second	30.00	CH	Prod:	3.000		Lab Pcs:	7.00	Eqp Pcs:	5.00	10000
220X8PLATE	20' Span x 8.3' R Plate A	rch	50.00 LF		534.600		26,730				26,730	
2MAT'LMOB	Mob Mat'l Fm Staging to	Si	2.00 IIR		230.000		460				460	
8E322	322 EXCAVATOR	1.00	30.00 HR		49.680				1,490		1,490	
8SMALLTOOLS		3.00	90.00 HR		10.000				900		900	
8TPU	PICKUP	1.00	30.00 HR		12.340				370		370	
LAB2	Laborer 2: Culvert, Conc		150.00 MH		29.140	8,640					8,640	
OEI	Oper. 1: Dozers, Sm Loa		30.00 MH		36.190	2,051					2,051	
	Oper. Foreman	1.00	30.00 MH		40.000	2,218	22 100		2.761		2,218	
\$42,858.94 0.0333 Units	210.0000 MH Hr 0.3333 Un/		210.00 MH 3.0000 Shifts	*	[ 7766.38 ]	12,908 12,908.34	27,190		2,761 2,760,60		42,859 42,858,94	
0.0555 OHR	VIII 0.3533 ()II	ount	5.0000 Sinks	and the state of t	e de la composição de l	14,700.34	27,190.00	SI SUNTUMBERANI KASASARI SI	2,700.00	our on our or our	+2,0J0,7 <del>+</del>	ed et den.
6020D	Backfill Plate Arch			Ouan	: 1.00	LS Hrs	/Shft: 1	0.00 Cal:	610 WC	OR1		
BLANK	A Blank Crew	ne, and or reverse endought accounts	5.00	CH	Prod:	0.500		Lab Pcs:	2.00	Eqp Pcs:	1.00	ALEX 07 1
2CONCRETE	Ready-Mix Concrete		60.00 CY		250.000		15,000				15,000	
8SMALLTOOLS	Misc Small Tools	1.00	5.00 HR		10.000				50		50	
LAB2	Laborer 2: Culvert, Conc	2.00	HM 00.01		29.140	576					576	
\$15,625.99	10.0000 MH		10.00 MH		[ 339.98 ]	576	15,000		50		15,626	
0.2000 Units	/Hr 2.0000 Un/	Shift	0.5000 Shifts	*		575.99	15,000.00		50.00		15,625.99	
6020E	Coping				60.00	1 E 11-		0.00 Cal:	610 WC	വാ		
- Charles and the Control of the Con	Coping A Blank Crew	an sangapa kasalah	ስ ስለ	CH	Prod:	0.000	*****************	Lab Pcs:	0.00	Eqp Pcs:	0.00	M. State of the Control of the Contr
	CIP Coping		60.00 LF	CII	108,000	V.000	•	1340 1 03.	0.00	6,480	6,480	
										-,	-,	
> Item T		- Structura	al Plate Arch 20' Sp	oan, 8'3.	5" R -							
\$79,453.05	5.5000 MH/LF		275.00 MH	[	200.996]	16,749	51,940	500	3,784	6,480	79,453	
1,589.061	50 LF					334.98	1,038.80	10.00	75.68	129.60	1,589.06	

Juneau-Lynn Canal Highway Zones 1-3

Page 25 05/15/2009 15:56

### DIRECT COST REPORT

Activity Resource	Desc	Pcs	Quantity	Unit		Unit Cost		Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total	
BID ITEM = Description =	6022 Structural Plate Arch 35.3' S	pan, 11.5	,		Unit	= LF	Takeoff	Quan:	52.000	Engr	Quan:	52.000	
6022A	Excavate for Rootings				Oua	n: 2.01	EA Hr	/Shft: 1	0.00 Cal:	610° WC	OR1		
BLANK	A Blank Crew	ese plantimismismismism	AND DOMESTIC CONTRACTOR	5.00	Market Sand Comment	Prod:		and a series of the series of the Series of the series of	Lab Pcs:	2.00	Eqp Pcs	2.00	
8E322	322 EXCAVATOR	1.00	5.00	HR		49.680				248		248	
8RDUMP	RENTED DUMP TRUCK		5.00			85.000				425		425	
OE1	Oper. 1: Dozers, Sm Loade		5.00			36.190	342					342	
OE3	Oper. 3: GC, Rollers	1.00	5.00			34.700	331			(7)		331	
\$1,346.18	5.0000 MH/E		10.00			[ 206.765 ]	673			673 336.70		1,346 673.09	
0.4000 Un	ts/Hr 4.0000 Un/Sh	1111	0.5000	Shirs		and an owner of the state of th	336.39		1104-110 S.	330.70	#CHANGANDECON	COLORINGERSON	206206.
6022B	Form, Pour & Strip Footi	ngs			Onni	ı: 2.00	I EA Hrs	/Shft: 1	0.00 Cal:	610 WC	:ORI		
BLANK	A Blank Crew	See Parlowanies	expension country	15.00		Prod:			Lab Pcs:	3.00	Eqp Pcs:	2.00	2000
2CONCRETE	Ready-Mix Concrete		39.00	CY		250.000		9,750				9,750	
3MISCMAT	Misc. Small Material		5.00	EA		100.000			500			500	
8SMALLTOOLS	Misc Small Tools	2.00	30.00			10.000				300		300	
LAB2	Laborer 2: Culvert, Conc.	3.00	45.00			29.140	2,592					2,592	
\$13,141.94	22.5000 MH/E		45.00			[ 764.945 ]	2,592	9,750	500	300		13,142	
0.1333 Uni	ts/Hr 1.3333 Un/Sh	ift	1.5000	Shifts *	•		1,295.97	4,875.00	250.00	150.00		6,570.97	
(0336)	7					. 1 01	ire u.	(Ch.64. 1	0.00 Cal:	610 WC	OPT		
6022C BLANK	Install Plate Arch A Blank Crew			50.00	CH	Prod:			Lab Pcs:	7.00	Eqp Pcs:	4.00	\$3500 V
235X12'PLATE	35' Span x 11.5' R Arch Pip	,	52.00		CI.	1,512.000	5.000	78,624	DRO I OD	,,,,,	24p 2 40.	78,624	
8E322	322 EXCAVATOR	1.00	50.00			49.680		, 0,00		2,484		2,484	
	Misc Small Tools	2.00	100.00	HR		10.000				1,000		1,000	
8TPU	PICKUP	1.00	50.00	HR		12.340				617		617	
LAB2	Laborer 2: Culvert, Conc.	5.00	250.00	МН		29.140	14,400					14,400	
OE1	Oper. 1: Dozers, Sm Loader		50.00			36.190	3,418					3,418	
OEF	Oper. Foreman	1.00	50.00		_	40.000	3,696					3,696	
\$104,238.88	350.0000 MH/L		350.00		. [	12943.95]	21,514	78,624		4,101	1,0	104,239 04,238.88	
0.0200 Uni	ts/Hr 0.2000 Un/Sh	HIL	5.0000	Smits *			21,513.88	78,024.00		4,101.00		04,230.00	
6022D	Backfill Plate Arch				Onor	. 100	IS Hee	/Shft- 1	0.00 Cal:	610 WC	OR1		
BLANK	A Blank Crew	onesta esta esta esta esta esta esta esta	101200000000000000000000000000000000000	10.00	CH	Prod:	1.000	Contraction of the Contract of	Lab Pcs:	2.00	Eqp Pcs:	1.00	LOUIS CENT
2CONCRETE	Ready-Mix Concrete		60.00			250.000		15,000			"	15,000	
	Misc Small Tools	1.00	10.00			10.000				100		100	
LAB2	Laborer 2: Culvert, Conc.	2.00	20.00	MH		29.140	1,152					1,152	
\$16,251.98	20.0000 MH/L	S	20.00			[ 679.95 ]	1,152	15,000		100		16,252	
0.1000 Uni	ts/Hir 1.0000 Un/Sh	ift	1.0000	Shifts *			1,151.98	15,000.00		100.00		16,251.98	
						ća **		101.64	000	210 W.C	Ont		
6022E	Coping		49450260	0.00			0.0000		0.00 Cal: Lab Pcs:	0.00	Eqp Pcs:	0.00	
<u>BLANK</u> 4COPING	A Blank Crew		90.00 1		CH	Prod: 108.000	0.9000	,	Lao res:	0.00	9,720	9,720	
4COPING	CIP Coping		90.00	ωt.		100.000					2,120	2,720	
====> Item '	l'otals: 6022 -	Structur	al Plate A	rch 35.3' S	pan. 1	1.5'							
\$144,698.98	8.1730 MH/LF		425.00 1		•	[ 299.372 ]	25,931	103,374	500	5,174	9,720	144,699	
2,782.673	52 LF					•	498.67	1,987.96	9.62	99.51	186.92	2,782.67	

Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 26 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource Desc

Quantity Pcs

Unit

Unit Cost

Perm Constr Labor Material Matl/Exp

Equip

Sub-Ment Contract

Total

BID ITEM = 6030 Description = 24" Pipe

Unit =

LF Takeoff Quan:

10,877.000

Engr Quan: 10,877.000

24" culvert consists of 37 culvert extensions with an average length of 33', and 147 new culverts with an average length of 69'.

Pipe backfill material is mined from rock excavation. The cost to transform shot rock at location of excavation to pipe backfill and haul to culvert locations is as such:

1) Material processing \$4/tn

2) Load & Haul to Site

\$2/tn

\$6.00/ton Total cost:

6030A	24" Pipe				Quan:	10,877.00	LF Hr	/Shft:	0.00 Cal:	610 WC	: OR1	
<u>BLANK</u>	A Blank Crew			395.52	2 CH	Prod:	275.000	0 US	Lab Pcs:	4.00	Eqp Pcs:	3.00
224"BANDS	24" Culvert Bands		540.00	EA		27.900		15,066				15,066
224"CULVERT	24" CMP Culvert@105%		10,877.00	LF		15.660		178,851				178,851
2MATLMOB	Mob Mat'l Fm Staging to Si		34.00	HR		230.000		7,820				7,820
2PIPEBF	Pipe Backfill		12,600.00	TN		6.000		75,600				75,600
8E322	322 EXCAVATOR	1.00	395.53	HR		49.680				19,650		19,650
8L950	950 LOADER	1.00	395.53	HR		37.780				14,943		14,943
8SMALLTOOLS	Misc Small Tools	1.00	395.53	HR		10.000				3,955		3,955
LAB2	Laborer 2: Culvert, Conc.	2.00	791.05	MH		29.140	45,564					45,564
OEI	Oper. 1: Dozers, Sm Loader	2.00	791.05	MH		36.190	54,075					54,075
\$415,523.08	0.1454 MH/LI	7	1,582.10	MH		[ 5.543 ]	99,638	277,337		38,548		415,523
27.5005 Unit	s/Hr 275.0051 Un/Shi	ft	* 39.5520	Shifts			9.16	25.50		3.54		38.20
====> Item T	otals: 6030 -	24" Pi	pe			*****			·····			
\$415,523.08	0.1454 MH/LF		1,582.10	MH		[ 5.543 ]	99,638	277,337		38,548		415,523
38.202	10877 LF						9.16	25.50		3.54		38.20

Elting, I	nc.
-----------	-----

S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 27 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource Desc

Quantity Pcs

Unit Cost

Penn Labor Material Matl/Exp

Constr

Equip Sub-Ment Contract

Total

BID ITEM = 6032 Description = 36" Pipe

Unit =

LF Takeoff Quan:

7,312.000

Engr Quan:

7,312.000

36 " culvert consists of one 36 ' extension & 89 new culverts of an average length of 83 that is a second culvert of the second culverts of the second culv

Unit

6032A	36" Pipe				<b>Q</b> µал:	7,312.00	LF Hr	/Shft: 1	0.00 Cal:	610 WC	:OR1	
BLANK	A Blank Crew			265.89	CH	Prod:	275.000	0 US	Lab Pcs:	4.00	Eqp Pcs:	3.00
236"BANDS	36" Bands		360.00	EA		57.600		20,736				20,736
236"CULVERT	36" Culvert@105%		7,312.00	LF		24.840		190,712				190,712
2MAT'LMOB	Mob Mat'l Fm Staging to Si		46.00	HR		230.000		10,580				10,580
2PIPEBF	Pipe Backfill		11,500.00	TN		6.000		69,000				69,000
8E322	322 EXCAVATOR	1.00	265.89	HR		49.680				13,209		13,209
8L950	950 LOADER	1.00	265.89	HR		37.780				10,045		10,045
8SMALLTOOLS	Misc Small Tools	1.00	265.89	HR		10.000				2,659		2,659
LAB2	Laborer 2: Culvert, Conc.	2.00	531.78	MH		29.140	30,630					30,630
OEl	Oper. 1: Dozers, Sm Loader	2.00	531.78	MH		36.190	36,351					36,351
\$383,922.56	0.1454 MH/LF	7	1,063.56	MH		[ 5.543 ]	66,981	291,028		25,914	3	383,923
27.5001 Unit	s/Hr 275.0009 Un/Shi	ft ³	* 26.5890	Shifts			9.16	39.80		3.54		52.51
> Item T	otals: 6032 - 3	36" Pip	ne .				· · · · · · · · · · · · · · · · · · ·	***************************************				
\$383,922.56	0.1454 MHVLF		1,063.56	MH		[ 5.543 ]	66,981	291,028		25,914	3	383,923
52.506	7312 LF						9.16	39.80		3.54		52.51

S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 28 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource

Desc

Quantity Pcs

Unit

Penn Constr Unit Cost Labor Material Matl/Exp

Sub-Equip Ment Contract

Total

BID ITEM = 6033 Description = 48" Pipe

Unit =

LF Takeoff Quan:

1,434.000

Engr Quan: 1,434.000

48" culvert consists of 2 extensions at an average length of 36" and 14 new culverts at an average length of 102".

6033A	48" Pipe				Quan: 1,434.00	LF Hrs	Sh <b>f</b> t: 1	0.00 Cal: 61	o wc	:OR1
BLANK	A Blank Crew			81.94	CH Prod:	175.0000	US	Lab Pcs:	4.00	Eqp Pcs: 3.00
248"BANDS	48" Culvert Bands		70.00	EA	70.200		4,914			4,914
248"CULVERT	48" CMP Culvert@105%		1,434.00	LF	31.680		47,701			47,701
2MAT'LMOB	Mob Mat'l Fm Staging to Si		27.00	HR	230.000		6,210			6,210
2PIPEBF	Pipe Backfill		2,900.00	TN	6.000		17,400			17,400
8E322	322 EXCAVATOR	1.00	81.94	HR	49.680				4,071	4,071
8L950	950 LOADER	1.00	81.94	HR	37.780				3,096	3,096
8SMALLTOOLS	Misc Small Tools	1.00	81.94	HR	10.000				819	819
LAB2	Laborer 2: Culvert, Conc.	2.00	163.89	MH	29.140	9,440				9,440
OEI	Oper. 1: Dozers, Sm Loader	2.00	163.89	MH	36.190	11,203				11,203
\$104,853.53	0.2285 MH/LI	t	327.78	MH	[ 8.711 ]	20,643	76,225		7,986	104,854
17.5006 Unit	s/Hr 175.0061 Un/Shi	ft '	* 8.1940	Shifts		14.40	53.16		5.57	73.12
> Item T	otals: 6033 -	48" Pi _l	pe		-			·		
\$104,853.53	0.2285 MH/LF		327.78	MH	[8.711]	20,643	76,225		7,986	104,854
73.120	1434 LF					14.40	53.16		5.57	73.12
			····							

 $\Lambda sok$ 

Juneau-Lynn Canal Highway Zones 1-3

Page 29 05/15/2009 15:56

DIRECT COST REPORT

Quantity Unit Penn Constr Equip Activity Desc Labor Material Matl/Exp Ment Contract Total Unit Cost Resource Pcs

BID ITEM = 6034 Description = 60" Pipe

664.000 664.000 Engr Quan: Unit = LF Takeoff Quan:

60" culvert consists of 8 new culverts at an average length of 89'. Work also includes construction of 6 headwalls.

6034A	60" Pipe				Öuai	1; 664.00	LF Hrs	Shft: 1	0.00 Cal:	610 WC	ORI
BLANK	A Blank Crew	THE PARTY OF THE P	MANAGAMETER MANAGAM	37.94	CH	Prod:	175.0000	US	Lab Pcs:	4.00	Eqp Pcs: 3.00
260"BANDS	60" Bands		30.00	EA		124.200		3,726			3,726
260"CULVERT	60" Culvert@105%		664.00	LF		62.820		43,798			43,798
2MAT'LMOB	Mob Mat'l Fm Staging to Si		12.00	HR		230.000		2,760			2,760
2PIPEBF	Pipe Backfill		1,650.00	TN		6.000		9,900			9,900
8E322	322 EXCAVATOR	1.00	37.94	HR		49.680				1,885	1,885
8L950	950 LOADER	1.00	37.94	HR		37.780				1,433	1,433
8SMALLTOOLS	Misc Small Tools	1.00	37.94	HR		10.000				379	379
LAB2	Laborer 2: Culvert, Conc.	2.00	75.89	MH		29.140	4,371				4,371
OE1	Oper. 1: Dozers, Sm Loader	2.00	75.89	MH		36.190	5,188				5,188
\$73,440.60	0.2285 MH/L		151.78	MH		{ 8.711 }	9,559	60,184		3,698	73,441
17.5013 Unit			* 3.7940	Shifts		•	14.40	90.64		5.57	110.60
6034B	Form & Pour Headwalls				******	1: . 6.00	The state of the s	Contract Con	0.00 Cal:	,,,,,,	
<u>BLANK</u>	A Blank Crew			60.00	CH	Prod:	6.0000		Lab Pcs:	3.00	Eqp Pcs: 2.00
2CONCRETE	Ready-Mix Concrete		20.00	CY		250.000		5,000			5,000
3MISCMAT	Misc. Small Material		10.00	EA		100.000			1,000		1,000
8SMALLTOOLS	Mise Small Tools	2.00	120.00	HR		10.000				1,200	1,200
LAB1	Laborer 1: ACPaver, Gen.L.	3.00	180.00	MH		28.240	10,133				10,133
LAB1 \$17,333.18	Laborer 1: ACPaver, Gen.L. 30.0000 MH/E		180.00 180.00			28.240 [ 988.428 ]	10,133 10,133	5,000	1,000	1,200	17,333
	30.0000 MH/E	١.		MH	<b>*</b>		-	5,000 833.33	1,000 166.67	1,200 200.00	
\$17,333.18 0.1000 Unit	30.0000 MH/E. s/Hr 1.0000 Un/Sh	lt It	180.00 6.0000	MH	<b>k</b>		10,133	,		•	17,333
\$17,333.18 0.1000 Unit	30.0000 MH/E. 1.0000 Un/Sh.  Fotals: 6034 -	١.	180.00 6.0000 pe	MH Shifts	k	[ 988.428 ]	10,133 1,688.86	833.33	166.67	200.00	17,333 2,888.86
\$17,333.18 0.1000 Unit	30.0000 MH/E. s/Hr 1.0000 Un/Sh	lt It	180.00 6.0000	MH Shifts	k		10,133	,			17,333

Appendix - Costs

Page 83

S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 30 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource

Desc

Quantity Pcs

Unit

Unit Cost

Perm Constr Labor Material Matl/Exp Equip Sub-Ment Contract

Total

BID ITEM = 6035 Description = 72" Pipe

Unit =

LF Takeoff Quan:

504.000

Engr Quan:

504.000

72" culvert consists of one extension of 50', and 6 new culverts at an average length of 78'. Also included is construction of 6 headwalls.

6035A	72" Pipe				Qua	n: 504.00	LF Hrs/	Shft: I	0.00 Cal:	610 WC	:ORI	
BLANK	A Blank Crew			35.00	CH	Prod:	3.5000	S	Lab Pes:	6.00	Eqp Pcs:	4.00
272"BANDS	72" Culvert Bands		25.00	EA		157.530		3,938				3,938
272"CULVERT	72" Culvert@105%		504.00	LF		86.670		45,866				45,866
2MAT'LMOB	Mob Mat'l Fm Staging to Si		12.00	HR		230.000		2,760				2,760
2PIPEBF	Pipe Backfill	:	1,500.00	TN		6.000		9,000				9,000
8E330	330 Excavator	1.00	35.00	HR		73.850				2,585		2,585
8L950	950 LOADER	1.00	35.00	HR		37.780				1,322		1,322
8SMALLTOOLS	Misc Small Tools	2.00	70.00	HR		10.000				700		700
LAB2	Laborer 2: Culvert, Conc.	4.00	140.00	MH		29.140	8,064					8,064
OE1	Oper. 1: Dozers, Sm Loader 2	2.00	70.00	MH		36.190	4,785					4,785
\$79,019.95	0.4166 MH/LF		210.00	MH		[ 15.308 ]	12,849	61,564		4,607		79,020
14.4000 Unit	s/Hr 144.0000 Un/Shift	i i	3.5000	Shifts '	k		25.49	122.15		9.14		156.79
6035R	Form & Pour Headwalle				വം	. 600	EA Heef	Shifte 1	0 00 Tele	610 WC	081	
6035B BLANK	Form & Pour Headwalls			60.00	Qua CH	. , . , . , . , . , . , . , . , . , . ,	and the service of the service for following	fem 1 - p - m 100 - c - c - c	0.00 Cali			2.00
<u>BLANK</u>	A Blank Crew		22.00	60.00 CY	Qua CH	Prod:	EA Hrs/ 6.0000	S	0:00 Cal; ( Lab Pes:	610 WC: 3.00	OR1 Eqp Pcs:	2.00 5.500
<u>BLANK</u> 2CONCRETE	A Blank Crew Ready-Mix Concrete		22.00 10.00	CY	******************************	Prod: 250.000	and the service of the service for following	fem 1 - p - m 100 - c - c - c	Lab Pes:			5,500
<u>BLANK</u> 2CONCRETE 3MISCMAT	A Blank Crew Ready-Mix Concrete Misc. Small Material	2.00	10.00	CY EA	******************************	<b>Prod:</b> 250.000 100.000	and the service of the service for following	S		3.00		5,500 1,000
BLANK 2CONCRETE 3MISCMAT 8SMALLTOOLS	A Blank Crew Ready-Mix Concrete Misc. Small Material Misc Small Tools	2.00 3.00		CY EA HR	******************************	Prod: 250.000	6.0000	S	Lab Pes:		Eqp Pcs:	5,500 1,000 1,200
BLANK 2CONCRETE 3MISCMAT 8SMALLTOOLS LAB1	A Blank Crew Ready-Mix Concrete Misc. Small Material		10.00 120.00	CY EA HR MH	******************************	Prod: 250.000 100.000 10.000 28.240	6.0000 10,133	S	Lab Pes:	3.00	Eqp Pcs:	5,500 1,000 1,200 10,133
BLANK 2CONCRETE 3MISCMAT 8SMALLTOOLS LAB1 \$17,833.18	A Blank Crew Ready-Mix Concrete Misc. Small Material Misc Small Tools Laborer 1: ACPaver, Gen.L 3 30.0000 MH/EA	3.00	10.00 120.00 180.00	CY EA HR MH MH	СН	Prod: 250.000 100.000 10.000	6.0000 10,133 10,133	<b>S</b> 5,500	Lab Pes: 1,000	3.00 1,200	Eqp Pes:	5,500 1,000 1,200 10,133 17,833
BLANK 2CONCRETE 3MISCMAT 8SMALLTOOLS LAB1 \$17,833.18	A Blank Crew Ready-Mix Concrete Misc. Small Material Misc Small Tools Laborer 1: ACPaver, Gen.L 3 30.0000 MH/EA	3.00	10.00 120.00 180.00 180.00	CY EA HR MH MH	СН	Prod: 250.000 100.000 10.000 28.240	6.0000 10,133 10,133	S 5,500	Lab Pcs: 1,000 1,000	3.00 1,200 1,200	Eqp Pes:	5,500 1,000 1,200 10,133
BLANK 2CONCRETE 3MISCMAT 8SMALLTOOLS LAB1 \$17,833.18	A Blank Crew Ready-Mix Concrete Misc. Small Material Misc Small Tools Laborer I: ACPaver, Gen.L 3 30.0000 MH/EA 5/Hr 1.0000 Un/Shift Otals: 6035 - 72	3.00	10.00 120.00 180.00 180.00 6.0000	CY EA HR MH MH Shifts	СН	Prod: 250.000 100.000 10.000 28.240	6.0000 10,133 10,133 1,688.86	\$ 5,500 5,500 916.67	1,000 1,000 1,000 166.67	1,200 1,200 200.00	Eqp Pes:	5,500 1,000 1,200 10,133 17,833 972.20
BLANK 2CONCRETE 3MISCMAT 8SMALLTOOLS LABI \$17,833.18 0.1000 Unit	A Blank Crew Ready-Mix Concrete Misc. Small Material Misc Small Tools Laborer I: ACPaver, Gen.L. 3 30.0000 MH/EA s/Hr 1.0000 Un/Shift  Totals: 6035 - 72 0.7738 MH/LF	3.00	10.00 120.00 180.00 180.00 6.0000	CY EA HR MH MH Shifts	СН	Prod: 250.000 100.000 10.000 28.240	6.0000 10,133 10,133 1,688.86	\$ 5,500 5,500 916.67 67,064	1,000 1,000 1,000 166.67	1,200 1,200 200.00 5,807	Eqp Pes:	5,500 1,000 1,200 10,133 17,833 972.20
BLANK 2CONCRETE 3MISCMAT 8SMALLTOOLS LAB1 \$17,833.18 0.1000 Units	A Blank Crew Ready-Mix Concrete Misc. Small Material Misc Small Tools Laborer I: ACPaver, Gen.L 3 30.0000 MH/EA 5/Hr 1.0000 Un/Shift Otals: 6035 - 72	3.00	10.00 120.00 180.00 180.00 6.0000	CY EA HR MH MH Shifts	СН	Prod: 250.000 100.000 10.000 28.240 [ 988.428 ]	6.0000 10,133 10,133 1,688.86	\$ 5,500 5,500 916.67	1,000 1,000 1,000 166.67	1,200 1,200 200.00	Eqp Pes:	5,500 1,000 1,200 10,133 17,833 972.20

Juneau-Lynn Canal Highway Zones 1-3

Page 31 05/15/2009 15:56

### DIRECT COST REPORT

Activity Desc Resource

Quantity Pcs

Unit Cost

Perm Constr Labor Material Matl/Exp

Sub-Equip Ment Contract

Total

BID ITEM = 6036 Description = 144" Pipe

Unit =

Unit

LF Takeoff Quan:

120.000

Engr Quan:

120.000

144" culvert is one 120' length and includes 2 headwalls.

											- Oni	
6036	144" Pipe			10.00	Qua CH	n: 120.00 Prod:	1.000	,	0.00 Cal: Lab Pcs:	6.00	Eqp Pcs:	5.00
<u>BLANK</u> 2144"BANDS	A Blank Crew 144" Culvert Bands		6.00		Сп	484.200	1.0000	2,905	Lab i cs.	0.00	1.qp 1 03.	2,905
2144"BANDS 2144"CULVERT	144" Culvert@105%		120.00			287.100		36,175				36,175
2PIPEBF	Pipe Backfill		360.00			6.000		2,160				2,160
	345 EXCAVATOR	1.00	10.00			95.000		2,100		950		950
8E345	950 LOADER	1.00	00.01			37.780				378		378
8L950		3.00	30.00			10.000		•		300		300
	Misc Small Tools	4.00	40.00			29.140	2,304			500		2,304
LAB2	Laborer 2: Culvert, Conc.		10.00			36.190	684					684
OE1	- p	1.00	10.00			35.420	672					672
OE2	Oper. 2: Skidder, Plant 0.5000 MH/LI		60.00			[ 18.295 ]	3,660	41,240		1,628		46,528
\$46,527.58	*****		1.0000		*	[ 10,293 ]	30.50	343.67		13.57		387.73
12.0000 Unit	s/Hr 120.0000 Un/Sni	н	1.0000	Smas	•		30.50	343.07		13.57		
6036B	Form & Pour Headwalls				Qua	n: 2.00	EA Hrs	/Shft: J	0.00 Cal:	610 WC	:ORI	
BLANK	A Blank Crew	CONTRACTOR	a marine and an artist of a series	30.00		Prod:	3.000		Lab Pcs:	3.00	Eqp Pcs:	2.00
2CONCRETE	Ready-Mix Concrete		14.00	CY		250.000		3,500				3,500
3MISCMAT	Misc. Small Material		6.00	EA		100.000			600			600
		2.00	60.00	HR		10.000				600		600
LAB1	Laborer 1: ACPaver, Gen.L.	,	90.00			28.240	5,067					5,067
\$9,766.58	45.0000 MH/EA		90.00			[ 1482.64 ]	5,067	3,500	600	600		9,767
0.0667 Unit			3.0000		*		2,533.29	-	300.00	300.00	4	1,883.29
2.2007 0								•				
===> Item 7	otals: 6036 -	144" Pi _l	oe .			_						
\$56,294.16	1.2500 MH/LF		150.00	MH		[ 43.006 ]	8,727	44,740	600	2,228		56,294
469.118	120 LF						72.72	372.83	5.00	18.57		469.12

Juneau-Lynn Canal Highway Zones 1-3

Page 32 05/15/2009 15:56

Asok

DIRECT COST REPORT

Activity Resource

costs. 4GR

Desc

Quantity Pcs

Unit Cost

Constr Perm Labor Material Matl/Exp Equip Sub-Ment Contract

Total

BID ITEM = 6060

Description = W-Beam Guardrail

Unit =

Takeoff Quan:

4,400.000

Engr Quan:

4,400.000

6060A W-Beam Guardrail

Quan: 4,400.00 LF Hrs/Shft: 10.00 Cal: 610 WC: OR1

\$20 / If is going rate for guardrail in Portland. We added 25% to account for higher labor & mobilization

Guard Rail - Sub

4,400.00 LF

Unit

25.000

110,000 110,000

S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

DIRECT COST REPORT

Page 33 05/15/2009 15:56

Activity

Resource

Desc

Quantity

Unit

Unit Cost Perm Constr Labor Material Matl/Exp

Equip Sub-Ment Contract

Total

BID ITEM = 6062

Description = Extruder Terminal (ET-2000)

Unit =

Takeoff Quan:

36.000 Engr Quan: 36.000

6062A Extruder Terminal (ET-2000)

We typically see ET-2000's for about \$2000 - \$2500.

4GR Guard Rail - Sub 36.00 EA Quan: 36:00 EA Hrs/Shft: 10:00 Cal: 610 WC: OR1

Pcs

2,250.000

81,000

81,000

Elting,	lnc.
---------	------

S9871 Asok Juneau-Lynn Canal Highway Zones 1-3

Page 34 05/15/2009 15:56

### DIRECT COST REPORT

Activity Resource	Desc	Pes	Quantity Unit		Unit Cost	Labor	Penn Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total	<del></del>
BID ITEM Description =	= 6100 Ditch Lining			Unit =	STA	Takeoff (	Quan:	25.000	Engr	Quan:	25.000	
6100A	Ditch Lining			Quan:	25,00	STA Hrs	Shft: I	0.00 Cal:	610 W.C	: ORI		
	itch lining will be		•	_	rock ex	cavation	n as pa	rt of ex	cavatic	n item.	This	
item to pa	y for placing and f A Blank Crew	inishing	rock in ditch		Prod:	4.0000	) IIC	Lab Pcs:	3.00	Eqp Pcs:	2.50	
8E320	320 EXCAVATOR	2.00	125.00 HR	CH	44.000	4.0000	, 03	Lau I Cs.	5,500	Eqp 1 cs.	5,500	
8L950	950 LOADER	0.50	31.25 HR		37.780				1,181		1,181	
LAB1	Laborer 1: ACPaver, G	en.L 0.50	31.25 MH		28.240	1,759			•		1,759	
OE1	Oper. 1: Dozers, Sm Lo	ader 2.50	156.25 MH		36.190	10,681					10,681	
\$19,120.81	7.5000 M	H/STA	187.50 MH	[:	305.077]	12,440			6,681		19,121	
0.4000 U	nits/Hr 4.0000 Ur	n/Shift *	6.2500 Shifts			497.61			267.22		764.83	
====> Item	n Totals: 6100	- Ditch Li	nino									
\$19,120.81	7.5000 MH/STA		187.50 MH	13	305.077 1	12,440			6,681		19,121	
764.832	25 ST					497.61			267.22		764.83	

Appendix - Costs

Page 88

Elting, Inc. S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 35 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource	Desc	Pcs	Quantity	Unit		Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	
	6113 prap Slope Stabilization				Unit =	SY	Takeoff	Quan:	3,222.000	Engr	Quan:	3,222.000

6113A	Riprap Slope Stabilization		Quan	; 3,222.00	SY Hrs/Shft:	10.00 Cal:	610 WC	OR1	
Item incl	ides placement of riprap only	. Assume rip:	tw qa:	ill be ge	nerated throu	igh rock e	xcavati	on item	and
dumped as	needed as part of excavation								
BLANK	A Blank Crew	32.22	CH	Prod:	100.0000 UH	Lab Pcs:	2.00	Eqp Pcs:	1.00
8E322	322 EXCAVATOR 1.00	32.22 HR		49.680			1,601		1,601
LAB1	Laborer 1: ACPaver, Gen.L 1.00	32.22 MH		28.240	1,814				1,814
OE1	Oper, 1: Dozers, Sm Loader 1.00	32.22 MH		36.190	2,203				2,203
\$5,617.03	0.0200 MH/SY	64.44 MH		[ 0.752 ]	4,016		1,601		5,617
	Jnits/Hr * 1,000.0000 Un/Shift	3.2220 Shifts			1.25		0.50		1.74
===> Ite	m Totals: 6113 - Riprap S	lope Stabilization		-					
\$5,617.03	0.0200 MH/SY	64.44 MH		[ 0.752 ]	4,016		1,601		5,617
1.743	3222 SY			•	1.25		0.50		1.74

Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 36 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource Desc

Quantity Unit Pcs

Unit Cost

Perm Constr Labor Material Matl/Exp

Equip Sub-Ment Contract

Total

BID ITEM = 6150
Description = Standard Sign

Unit =

SF Takeoff Quan:

1,872.000

Engr Quan:

1,872.000

6150	Standard Sign		Quan: 1,872.00 SF	Hrs/Shft: 10.00 Cal: 610	WC: OR1
2SIGNS	Standard Signs - Plug	1,872.00 SF	20.000	37,440	37,440
===> Ite \$37,440.00 20.000	em Totals: 6150 -	Standard Sign	[]	37,440 20.00	<b>37,440</b> 20.00

S9871 Asok Juneau-Lynn Canal Highway Zones 1-3

Page 37 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource Desc

Quantity Pcs

Unit

Perm Constr Labor Material Matl/Exp Equip Sub-Ment Contract

Total

BID ITEM = 6180

Description = Seeding

Unit = ACRE Takeoff Quan:

Unit

Cost

94.000

Engr Quan:

94.000

Hydroseeding costs based on pricing received from Fox Erosion Control. Fox has experience in large-scale hyrdroseeding projects including the Eddyville project currently underway by Granite Construction.

6180A Sc	eding		Quan: 94.00 ACR I	Hrs/Shft: 10:00 Cal: 610 WC: OR1	
4LAND La	andscape - Sub	94.00 ACRE	4,600.000	432,400	432,400
4LANDMOB La	andscaper Mob	1.00 LS	7,500.000	7,500	7,500
\$439,900.00			[]	439,900	439,900
				4,679.79	4,679.79
===> Item Tota	als: 6180 - Seeding			120,000	420.000
•			l J		•
4,679.787	94 ACRE			4,679.79	4,679.79
4LANDMOB La \$439,900.00	andscaper Mob		****	7,500 439,900 4,679.79 439,900	7,500 439,900

Elting, I	nc.
-----------	-----

S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

DIRECT COST REPORT

Page 38 05/15/2009 15:56

Activity Resource Desc

Quantity Unit

Unit Cost

Constr Perm Labor Material Matl/Exp Equip

Sub-Ment Contract

Total

BID ITEM = 6192 Description = Matting

Unit =

SY Takeoff Quan:

59,000.000

Engr Quan: 59,000.000

BLANK	A Blank Crew			9	8.33	CH	Prod:	600.0000	UH	Lab Pcs:	3.00	Eqp Pcs:	1.00
2MATTING	Matting, Jute@105%		59,000.00	SY			0.530		32,834				32,834
8TPU	PICKUP	1.00	98.33	HR			12.340				1,213		1,213
LAB1	Laborer 1: ACPaver, Ger	n.L 3.00	295.00	MH			28.240	16,607					16,607
\$50,654.03	0.0050 MH	/SY	295.00	MH			[ 0.165 ]	16,607	32,834		1,213		50,654
600.0203 U	nits/Hr * 6,000.2034 Un/	Shift	9.8330	Shifts				0.28	0.56		0.02		0.86
> Iten	n Totals: 6192	- Mattir	ıg				_						
\$50,654.03	0.0050 MH/SY		295.00	MH			[ 0.165 ]	16,607	32,834		1,213		50,654
0.859	59000	SY						0.28	0.56		0.02		0.86

Elting,	Inc.
---------	------

S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 39 05/15/2009 15:56

DIRECT COST REPORT

Equip Sub-Ment Contract Activity Desc Quantity Unit Perm Constr Unit Labor Material Matl/Exp Resource Pcs Cost Total

BID ITEM = 6301 Description = Separation Geotextile Unit = SY Takeoff Quan: 130,000.000 Engr Quan: 130,000.000

6301A	Separation Geotextile		Quan: 130,000,00	SY Hrs/	Shft: 10.	00 Cal: 610 WC	OR1	
Per specs 3'	overlap needed, 20% wa	ste.						
BLANK	A Blank Crew	65.00	CH Prod:	2,000.0000	UH I	Lab Pcs: 2.00	Eqp Pcs: 1.00	
2SEPGEO	Separation Geotex@120%	130,000.00 SY	0.585		91,260		91,260	
8TPU	PICKUP 1.00	65.00 HR	12.340			802	802	
LABI	Laborer 1: ACPaver, Gen.L 2.00	130.00 MH	28.240	7,318			7,318	
\$99,380.51	0.0010 MH/SY	130.00 MH	[ 0.033 ]	7,318	91,260	802	99,381	
2,000.0000 Uni	s/Hr * 20,000.0000 Un/Shift	6.5000 Shifts		0.06	0.70	0.01	0.76	
====> Item ?	Totals: 6301 - Sepa	ration Geotextile	-					-
\$99,380.51	0.0010 MH/SY	130.00 MH	[ 0.033 ]	7,318	91,260	802	99,381	
0.764	130000 SY			0.06	0.70	0.01	0.76	

Asok

Juneau-Lynn Canal Highway Zones 1-3

Page 40 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource

Desc

Quantity Unit Pcs

Perm

Constr Labor Material Matl/Exp

Equip Sub-Ment Contract

Total

BID ITEM = 6312 Description = Erosion Control Geotextile, Class 1

Unit =

SY Takeoff Quan:

Unit

Cost

3,740.000

Engr Quan:

3,740.000

6310A Erosion Control Geotextile, Clas	s I Quan:	3,740.00	SY Hrs/:	Shft; 1	0.00 Cal:	610 WC	:OR1	
BLANK A Blank Crew	7.48 CH	Prod:	500.0000		Lab Pcs:	2.00	Eqp Pcs:	0.00
2ECGEOTP1 Erosion Control G@120%	3,740.00 SY	0.860		3,860				3,860
LAB1 Laborer 1: ACPaver, Gen.L 2.00	14.96 MH	28.240	842					842
\$4,701.86 0.0040 MH/SY	14.96 MH	[ 0.132 ]	842	3,860				4,702
500.0000 Units/Hr * 5,000.0000 Un/Shift	0.7480 Shifts		0.23	1.03				1.26
===> Item Totals: 6312 - Erosio	n Control Geotextile, Class 1	_				·	······································	
\$4,701.86 0.0040 MH/SY	14.96 MH	[ 0.132 ]	842	3,860				4,702
1.257 3740 SY			0.23	1.03				1.26

Asok

Juneau-Lynn Canal Highway Zones 1-3

DIRECT COST REPORT

Page 41 05/15/2009 15:56

Activity Resource

Desc Pcs

Quantity

Unit

Unit Cost

Perm Constr Labor Material Matl/Exp

Equip Sub-Ment Contract

Total

BID ITEM = 6331

Description = Silt Fence

Unit =

Takeoff Quan:

57,000.000

Engr Quan: 57,000.000

633 <u>1</u> 3SF	Silt Fence Silt Fence	57,000.00 LF	Quan: 57,000.00 LF Hrs 2.250	/Shft: 10.00 Cal: 610 WC:	OR1
\$128,250.00 2.250	em Totals: 6331	- Silt Fence 000 LF	[ ]	128,250 2.25	128,250 2.25

Asok

Activity

Juneau-Lynn Canal Highway Zones 1-3

Page 42 05/15/2009 15:56

DIRECT COST REPORT

Resource

Quantity Pcs

Unit

Unit Cost

Perm Constr Labor Material Matl/Exp Equip Sub-Ment Contract

Total

BID ITEM = 6371

Description = Reinforced Soil Slope

Unit =

Takeoff Quan:

500.000

Engr Quan:

500.000

Burrito wrap w/ WWF facing

Desc

6371A	Install RSS				Qца	a: 500.00 S	SF Hrs/	Shfe: 1	0.00 Cal:	610 WC	OR1	
BLANK	A Blank Crew			20.0	0 CH	Prod:	2.0000	S	Lab Pcs:	4.50	Eqp Pcs:	3.50
2AB	Aggregate Base, Delivere	i	500.00	TN		7.000		3,500				3,500
2RSSMATE	RIAL Reinforced Soil Slope Ma	t'l	500.00	SF		6.000		3,000				3,000
3MISCMAT	Misc. Small Material		2.00	EΛ		100.000			200			200
8E320	320 EXCAVATOR	0.50	10.00	HR		44.000				440		440
8L950	950 LOADER	1.00	20.00	HR		37.780				756		756
8SMALLTO	OLS Misc Small Tools	2.00	40.00	HR		10.000				400		400
LAB1	Laborer 1: ACPaver, Gen	L 3.00	60.00	MH		28.240	3,378					3,378
OE1	Oper. 1: Dozers, Sm Load	er 1.50	30.00	MH		36.190	2,051					2,051
\$13,724.08	0.1800 MH/	SF	90.00	MH		[ 6.487 ]	5,428	6,500	200	1,596	1	13,724
25.0000	Units/Hr 250.0000 Un/S	hift	2.0000	Shifts	*		10.86	13.00	0.40	3.19		27.45
===> It	em Totals: 6371	Reinfo	rced Soil S	ope						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
\$13,724.08	0.1800 MH/SF		90.00	MH		[ 6.487 ]	5,428	6,500	200	1,596	1	13,724
27.448	500 SF						10.86	13.00	0.40	3.19		27.45

S9871 Asok Juneau-Lynn Canal Highway Zones 1-3

Page 43 05/15/2009 15:56

DIRECT COST REPORT

Activity Desc Quantity Unit Perm Constr Equip Sub-Resource Pes Unit Cost Labor Material Matl/Exp Ment Contract Total

BID ITEM = 6411

Description = Erosion And Pollution Control Administra Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

6411A Erosion And Pollution Control Administra Quan: 42:00 MO Hrs/Shft: 10:00 Cal: 610 WC: ORI 1.00 A Blank Crew 10,500.00 CH 25.0000 SU Lab Pcs: 1.00 Eqp Pcs: BLANK Prod: 8TPU PICKUP 1.00 10,500.00 HR 12.340 129,570 129,570 10,500.00 MH 591,102 LAB1 Laborer 1: ACPaver, Gen.L 1.00 28.240 591,102 129,570 250.0000 MH/MO 10,500.00 MH [ 8236.902 ] 591,102 720,672 \$720,672.13 0.0040 Units/Hr 0.0400 Un/Shift 1,050.0000 Shifts 14,073.86 3,085.00 17,158.86 ===> Item Totals: 6411 - Erosion And Pollution Control Administra 129,570 720,672 \$720,672.13 10,500.00 MH [345949.88] 591,102 10,500.0000 MH/LS 591,102.13 129,570.00 720,672.13 720,672.130 1 LS

Appendix - Costs

Page 97

Elting, Inc. Page 44 \$9871 05/15/2009 15:56 Juneau-Lynn Canal Highway Zones 1-3 Asok DIRECT COST REPORT Quantity Unit Activity Desc Unit Penn Constr Equip Sub-Pcs Resource Cost Labor Material Matl/Exp Ment Contract Total BID ITEM = 6412 Description = Temporary Erosion & Pollution Control LS Takeoff Quan: Unit = 1.000 Engr Quan: 1.000

 6412A
 Temporary Erosion & Pollution Control
 Quan;
 1.00 LS
 Hrs/Shft;
 10.00 Cal; 610 WC; OR1

 3CONTINGENT
 Contingent Sum
 529,410.00 LS
 1.000
 529,410
 529,410

 —> Item Totals:
 6412
 - Temporary Erosion & Pollution Control
 []
 529,410
 529,410

 \$529,410.000
 1 LS
 529,410.00
 529,410.00
 529,410.00

Appendix - Costs Page 98

S9871 Asok

Juneau-Lynn Canal Highway Zones 1-3

DIRECT COST REPORT

Page 45 05/15/2009 15:56

Activity Resource

Desc

Quantity Pcs

Unit

Unit Cost

Perm Constr Labor Material Mati/Exp

Equip

Sub-Ment Contract

Total

BID ITEM = 6415

Description = Preliminary Seeding

Unit =

ACRE Takeoff Quan:

47.000

Engr Quan:

47.000

6415A Preliminary Seeding Quan: 47:00 ACR Hrs/Shft: 10:00 Cal: 610 WC: OR1 Preliminary seeding requires no BFM. Mob is just to get truck to Seattle port and men to the job. it from there. 4SEED Seed, Fert & Mulch 47.00 ACRE 2,500.000 117,500 117,500 4SEEDMOB 1.00 LS 7,500.000 Hydroseeder Mobiilzation 7,500 7,500 \$125,000.00 [] 125,000 125,000 2,659.57 2,659.57

===> Item Totals: \$125,000.00

2,659.574

6415

- Preliminary Seeding

47 ACRE

[]

125,000 125,000

2,659.57 2,659.57

Juneau-Lynn Canal Highway Zones 1-3

540 EA

Page 46 05/15/2009 15:56

Asok

DIRECT COST REPORT

Activity Resource Desc

Quantity

Pcs

Unit

Unit Cost

Penn Constr Labor Material Matl/Exp

Equip Sub-Ment Contract

Total

50.000

BID ITEM = 6416 Description = Temporary Rock Check Dam

Unit =

EA Takeoff Quan:

540.000

50.00

Engr Quan:

540.000

50.00

6416A Temporary Rock Check	(Dam Qua	in: 540.00 EA H	rs/Shft: 10.00 Cal: 610 WC:	ORI
3CHECKDAMS Check Dams, Each	540.00 EA	50.000	27,000	27,000
===> Item Totals: 6416 \$27,000.00	- Temporary Rock Check Dam	[]	27,000	27,000

Juneau-Lynn Canal Highway Zones 1-3

Page 47 05/15/2009 15:56

DIRECT COST REPORT

Activity Resource	Desc	Pcs	Quantity	Unit		Unit Cost	Labor	Penn Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM Description =	= 6418 Settling Pool				Unit =	= EA	Takeoff	Quan:	8.000	Engr	Quan:	8.000
6418A	Settling Pool				Oilan	800	FA Hr	/Shfr: 1	0.00 Cal:	610 WC	:OR1	
BLANK	A Blank Crew	CONTRACTOR OF THE PARTY OF THE		15.0		Prod:	1.500		Lab Pcs:	2.00	Eqp Pcs:	2.00
2RIPRAP	Riprap Delivered to Site		160.00			4.000	2.200	640			11	640
8E322	322 EXCAVATOR	1.00	15.00			49.680				745		745
8RDUMP	RENTED DUMP TRUCK	1.00	15.00	HR		85.000				1,275		1,275
LAB1	Laborer 1: ACPaver, Gen.l		15.00	MH		28.240	844					844
OEI	Oper. 1: Dozers, Sm Loade		15.00	MH		36.190	1,025					1,025
\$4,530.00	3.7500 MH/E	A	30.00	MH		[ 140.944 ]	1,870	640		2,020		4,530
0.5333 U	Inits/Hr 5.3333 Un/Sh	nist	1.5000	Shifts	*		233.73	80.00		252.53		566.25
> Ite:	n Totals: 6418 -	Settling	Pool P			_				****		
\$4,530.00	3.7500 MH/EA		30.00	MH		[ 140.944 ]	1,870	640		2,020		4,530
566.250	8 EA						233.73	80.00		252.53		566.25

S9871

Juneau-Lynn Canal Highway Zones 1-3

Page 48 05/15/2009 15:56

Asok

DIRECT COST REPORT

Activity Resource Desc

Quantity Pcs

Unit Cost

Perm Constr Labor Material Matl/Exp Equip Sub-Ment Contract

Total

\$32,967,006.25

*** Report Totals ***

119,623.21 MH

Unit

7,695,674 4,380,524 2,632,592 7,766,113 10,492,103 32,967,006

>>> indicates Non Additive Activity

----Report Notes:----

The estimate was prepared with TAKEOFF Quantities. This report shows TAKEOFF Quantities with the resources.

Bid Date: 03/20/09 Owner: Engineering Firm:

Estimator-In-Charge: ASOK

### JOB NOTES

Estimate created on: 03/05/2009 by User#: 0 ~

Source used: C:\DOCUMENTS AND SETTINGS\SDUNN\MY DOCUMENTS\PROJECT FILES\JUNEAU-LYNN CANAL HIGHWAY\HCSS ESTIMATE\S9871.zip (a backup) from 02/27/2009 4:22:03 PM

Calendars are found in crew and labor codes and have the format XXXdY where

XXX = The Calendar and Y = The Starting Day of the Week with Day 1 = Monday, etc.

410 (4) 10 hr Shifts/Week (5) 10hr Shifts/Week 510

5X8 (5) 8hr Days/Week

^{*} on units of MH indicate average labor unit cost was used rather than base rate.

^[ ] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens

In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE% -----Calendar Codes-----

## BRIDGE COSTS

Appendix - Costs

Page 103

Appendix - Costs Page 104

# JAI - Zones 1, 2, and 3 Bridge Summary Sheet Direct Costs

	A DESCRIPTION OF THE PROPERTY				TOTAL
Item Number	tem Number Item Description	Pay Unit	Quantity	Unit COST	COST
205 (3)	Foundation Fill	Cubic Yard	7,951	\$39.34	\$312,786.46
	Antler River Work Bridges and Temp Road			\$797,399.23	\$797,399.23
	Lace River Traveling Work Bridge			\$3,723,045.38	\$3,723,045.38
501 (1)	Class A Concrete	Lump Sum	All Required	\$5,655,940.85	\$5,655,940.85
501 (2)	Class A-A Concrete	Lump Sum	All Required	\$925,300.87	\$925,300,87
501 (7A)	T-1	Each	18	\$68,570.12	\$1.234.262.10
501 (7B)	<b></b>	Each	228	\$71,219.13	\$16,237,962,24
501 (7C)	Precast Concrete Member (118' Decked Bulb Tee)	Each	12	\$62,795.78	\$753,549.38
501 (9)	Bridge Expansion Joint	Linear Foot	099	\$643.26	\$424,549.13
503 (1)	Reinforcing Steel	Lump Sum	All Required	\$1,852,990.58	\$1.852,990.58
503 (2)	Epoxy-Coated Reinforcing Steel	Lump Sum	All Required	\$669,213.45	\$669,213.45
504 (2)	Structural Steel	Pound	1,150,000	\$2.14	\$2,465,435.00
505 (5A)	Furnish Structural Steel Piles - HP14X117	Linear Foot	787.5	\$84.15	\$66,264.33
505 (5B)	Furnish Structural Steel Pipe Piles - 24 in	Linear Foot	6,668	\$125.24	\$835,108.02
505 (5C)	Furnish Structural Steel Pipe Piles - 48 in dia	Linear Foot	15,161.40	\$388.49	\$5,889,979,12
505 (6A)	Drive Structural Steel Piles - HP14X117	Each	9	\$3,663.42	\$21,980.54
505 (6b)	Drive Structural Steel Pipe Piles - 24 in dia	Each	8.2	\$4,508.83	\$351,688.57
505 (6C)	Drive Structural Steel Pipe Piles - 48 in dia	Each	111	\$10,755.82	\$1,193,895.54
505 (9)	Structural Steel Sheet Piles	Square Foot	3,200	\$42.68	\$136,569.67
507 (1)	Steel Bridge Railing	Linear Foot	14,135	\$134.12	\$1,895,778.78
606 (11)	Extruder Terminal (ET-2000)	Each	98	\$2,317.58	\$83,433.00
611 (1A)	Riprap, Class II	Cubic Yard	3,885	\$35.70	\$138,699.75
611 (3)	- 1	Square Yard	3,222	\$0.00	\$0.00
631 (2)	Geotextile, Erosion Control, Class 1	Square Yard	3,740	\$1.78	\$6,643.18

\$45,672,475.12 Bridge Total

Subtotal STS

1.5%

Subtotal

David Evans and Associates

File: P/F/FHAX1076/0100PM/Reports/Final Report/Bridge Summary

Appendix - Costs Page 106

### JAI - Zones 1, 2, and 3 Bridge Summary Sheet

	slate creek	BR# 2171	55,940.00		158,065.38	41,877.20		857,409.18			63,163.63	28,522.42		65,285.05		162,407.53	21,655.70		35,255.28		86,731.71	9,200.00			1,585,513.08 1,609,295.78	1,585,513.08 23,782.70 1,609,295.78
	w.w.l.u. sla	BR# 2168 BF	27,001.00		125,875.16	45,884.59			359,500.59		43,661.78	23,799.67			142,390.26	86,622.80					41,633.29	9,200.00			905,569.14 919,152.68	905,569.14 13,583.54 919,152.68
	e.w.l.u. w.	BR# 2167 BI	26,351.00		110,894.66	43,247.31	404,584.59				40,543.08	23,055.93			142,390.26	86,622.80					44,197.85	9,200.00	36,400.00	1,750.00	969,237.48 983,776.04	969,237.48 14,538.56 983,776.04
costs		BR# 2169 B	53,840.00	3,668,025.00	3,060,727.76	73,182.47		8,345,801.76		255,750.00	810,861.63	109,153.35			71,195.13	4,809,761.58		43,311.40	891,402.48		769,805.17	9,200.00	18,000.00	875.00	22,990,892.73 23,335,756.12	22,990,892.73 344,863.39 23,335,756.12
Direct Costs	beaver slough lace river	BR# 2170 E	27,866.00		123,941.36	42,647.58			382,912.59		48,489.53	2,484.09			127,913.92			86,622.80		134,551.40	44,983.38	9,600.00			1,032,012.65	1,032,012.65 15,480.19 1,047,492.84
	antler river b	BR# 2166 E	39,960.00		1,695,931.18	540,973.28		6,412,918.82		162,525.00	717,300.68	401,619.45	2,429,000.00		142,390.26	657,520.38		86,622.80	249,594.00		743,745.42	9,200.00	37,000.00	1,750.00	15,113,666.27 15,340,371.26	15,113,666.27 226,704.99 15,340,371.26
	er slough	BR# 2165 E	32,680.00		114,241.60	41,349.21	428,524.59				43,134.70	24,153.80			129,681.93			86,622.80		•	48,269.82	9,200.00	19,300.00	1,312.50	978,470.95 993,148.01	978,470.95 14,677.06 993,148.01
	oulder creek	BR# 2163 E	15,825.00		99,922.45	41,182.36		381,862.59			23,278.08	23,131.38									44,197.85	9,200.00			638,599.71 648,178.71	638,599.71 9,579.00 648,178.71
	sawmill creek boulder creek antl	Br# 2162 B	28,701.00		82,755.97	41,282.47	382,912.59				35,173.37	23,403.51			66,804.76			43,311.40			44,197.85	8,200.00	25,950.00	857.50	783,550.42 795,303.68	783,550.42 11,753.26 795,303.68

Appendix - Costs Page 108

Dire																											
:: 2	Dring	39.34	797,399.23	3,723,045.38	5,655,940.85	925,300.87	68,570.12	71,219.13	62,795.78	643.26	1,852,990.58	669,213.45	2.14	84.15	125.24	388.49	3,663.42	4,508.83	10,755.82	42.68	134.12	2,317.58	35.70	0.00	1.78		
	Total	312,786.46	797,399.23	3,723,045.38	5,655,940.85	925,300.87	1,234,262.10	16,237,962.24	753,549.38	424,549.13	1,852,990.58	669,213.45	2,465,435.00	66,264.33	835,108.02	5,889,979.12	21,980.54	351,688.57	1,193,895.54	136,569.67	1,895,778.78	83,433.00	138,699.75	0.00	6,643.18	45,672,475.12 45,672,475.12	91,344,950.23
STS	78%	4,622.46	11,784.23	55,020.38	83,585.33	13,674.40	18,240.33	239,969.89	11,136.20	6,274.13	27,384.10	9,889.85	36,435.00	979.28	12,341.50	87,044.03	324.84	5,197.37	17,643.78	2,018.27	28,016.44	1,233.00	2,049.75	0.00	98.18	674,962.69	1,349,925.37
	Subtotal	308,164.00	785,615.00	3,668,025.00	5,572,355.52	911,626.47	1,216,021.77	15,997,992.35	742,413.18	418,275.00	1,825,606.48	659,323.60	2,429,000.00	65,285.05	822,766.52	5,802,935.09	21,655.70	346,491.20	1,176,251.76	134,551.40	1,867,762.34	82,200.00	136,650.00	0.00	6,545.00	44,997,512.43	89,995,024.86 1,349,925.37 91,344,950.23

က

M	DESCRIPTION	BID QUANTITY UNIT
	BID DATE:	3/12/2009
	PROJECT:	Juneau to Sweeny Crk.
	OWNER:	Alaska DOT

	PROJECT: BID DATE:	Juneau to Sweeny Crk. 3/12/2009					A.	MARKUP =
ITEM No.	DESCRIPTION	BID QUANTITY UNIT	UNIT	TOTAL COST	WITH MA	RKUP TOTAL	UNIT PRICE	TOTAL COST
					COST	PRICE	***************************************	
	2 SAWMILL CREEK BRIDGE-1; FDTN, FILL	761 CY	\$37.71	\$28,701.00			\$38.28	\$29,131.
• • •	EXC. TO SUBGRADE	140.0 CY	\$20.00	\$2,800.00			,	*
	HAUL & PLACE FILL	761 CY	\$16.00	\$12,176.00				
	EXC. ABUTMT,S FILL ABUTMT.S	75 CY 360 CY	\$15,00 \$35.00	\$1,125.00 \$12,600.00				
	FILE ABOTMI.S	300 C1	\$28,701.00	\$12,000.00				
501(1)	CLASS A CONCRETE	128.5 CY	\$644.02	\$82,755.97			\$653.68	\$83,997.
	SUBSTRUCTURE	85.7 CY	\$0.00	\$0.00				
	FORMS FORM & STRIP	750.0 SF 750.0 SF	\$4.44	\$3,331.52				
	BUY	98.6 CY	\$23.65 \$209.12	\$17,737.03 \$20,609.75				
	POUR	98.6 CY	\$31.74	\$3,127.72				
	SUPERSTRUCTURE	42,9 CY	\$0.00	\$0.00				
	BUY FORM MAT'LS FORM & STRIP	784.0 SF 784 SF	\$4.32 \$23.65	\$3,386,88 \$18,541.11				
	BUY	49.3 CY	\$209.12	\$10,316.90				
	POUR	49,3 CY	\$31.74	\$1,565.69				
	FINISH & CURE	784.0 SF	\$5.28	\$4,139.36				
04(2)	CLASE A A CONC	46 A CV	\$82,755.97	644 202 47			5040.04	£44 004
01(2)	CLASS A-A CONC. SUPERSTRUCTURE	46.0 CY 46.0 CY	\$897.44 \$0.00	\$41,282.47 \$0.00			\$910.91	\$41,901.
	FORMS	828.0 SF	\$4.44	\$3,678,00				
	FORM & STRIP	828.0 SF	\$23.65	\$19,581,68				
	BUY POUR	52.9 CY 52.9 CY	\$226.32	\$11,972,29				
	FINISH & CURE	828.0 SF	\$31,74 \$5.28	\$1,678.82 \$4,371.67				
			\$41,282,47	\$0.00				
<del>-</del>			\$0.00	\$0.00				
01(7A	PRECAST CONC. "T"S BUY	6.0 EA	\$63,818.76	\$382,912.59		1	\$64,776.05	\$388,656.
	HAUL ON SITE	6.0 EA 6.0 EA	\$39,974.00 \$2,667.83	\$239,844.00 \$16,007.00				
	HAUL FROM SEATTLE	355.0 TONS	\$210.00	\$74,550.00				
	UNLOAD & STAGE ONSITE	6.0 EA	\$1,403.10	\$8,418.59				*
	PLACE BEARING PAOS installed	6.0 EA 12.0 EA	\$4,382.17	\$26,293.00				
	GROUTE SHEAR KEY	640.00 LF	\$325.00 \$20.00	\$3,900.00 \$12,800.00				
	JOINTS-ABUTTMT, SAWED +	2.0 EA	\$550.00	\$1,100.00				
			\$382,912.59	\$0.00		I		
03(1)	REBAR-SUBSTR.	27109.0 LBS	\$1.30	\$35,173.37		ı	\$1,32	\$35,700.9
	BUY HAUL ON SITE	27109.0 LB\$ 27109.0 LB\$	\$0.44 \$0.10	\$11,927.96 \$2,710.90				
	HAUL FROM SEATTLE	13.6 TONS	\$210.00	\$2,846.45				
	FABRICATE REBAR	27109.0 LBS	\$0.35	\$9,378.25				
	HAUL & PLACE REBAR	27109.0 LBS	\$0.31	\$8,309.82				
13/21	EPOXY-REBAR SUPST	15222.0 L.S	\$35,173.37 \$1.54	\$23,403.51			\$1.56	\$23,754.5
	BUY	15222.0 LBS	\$0.68	\$10,350.96	•		Q1.50	020,704.0
	HAUL ON SITE	15222.0 LBS	\$0.10	\$1,522.20				
	HAUL FROM SEATTLE	7.6 TONS	\$210.00	\$1,598.31		ŀ		
	FABRICATE REBAR HAUL & PLACE REBAR	15222.0 LBS 15222.0 LBS	\$0.35 \$0.31	\$5,265,99 \$4,666.05		ľ		
		10222.0 200	\$23,403.51	\$0.00				
	STEEL PILES-2' dia	563.0 L.F.	\$118.66	\$66,804.76		1	\$120.44	\$67,806.8
	BUY -	563.0 LF 35.4 TONS	\$111.75	\$62,915.25		1		
	HAUL FROM SEATTLE	35.4 TONS	\$110,00 \$66,804.76	\$3,889.51 \$0.00		I		
5(6B)	ORIVE PILES	12.0 EA	\$3,609.28	\$43,311.40		1	\$3,663.42	\$43,961.0
	DRIVE PILES	12.0 EA	\$2,543.33	\$30,520,00		I		
	SPLICE PILES average length =	12.0 EA	\$1,065.95	\$12,791.40				
	average length = STEEL BRDG, RAIL	46.9 340.0 L.F.	\$43,311.40 \$129.99	\$2,032,026.52 \$44,197.85		j	\$131.94	\$44,860.8
	BUY	340.0 LF	\$90.00	\$30,600.00			0101.01	5.4,000.0
	HAUL	340.0 LF	\$5.00	\$1,700.00		I		
	INSTALL COOUTE PAGES	340.0 LF	\$25.72 \$75.05	\$8,745.85				
	GROUTE BASES	42.8 EA	\$44,197.85	\$3,152.00 \$0.00		1		
6(12)	GUARDRAIL/END CONN.	4.0 EA	\$2,050.00	\$8,200.00		ŀ	\$2,080.75	\$8,323.0
	BUY	4.0 EA	\$900.00	\$3,600.00		. 1		
	HAUL	4.0 EA	\$400.00	\$1,600.00		I		
	INSTALL	4.0 EA	\$750.00 \$8,200.00	\$3,000.00 \$0.00				
1(1)	RIPRAP CL. II	835.0 CY	\$31.08	\$25,950.00		i	\$31.54	\$26,339.2
	EXC, FOR R.R.	212.0 CY	\$20.00	\$4,240.00				,
	HAUL	1085.5 CY	\$8.00	\$8,684.00		1		
	PLACE R.R.	1085,5 TONS	\$12.00 \$25,950.00	\$13,026.00 \$0.00		l		
1(2)	GEO. EROSION CONT	490.0 SY	\$25,950.00 \$1.75	\$0.00 \$857.50		į	\$1.78	\$870.30
	BUY	550.0 SY	\$1.00	\$550.00		l	41.10	QU/ U.SI
	PLACE	550.0 SY	\$0.50	\$275.00		- 1		
	SUBTOTAL INDIRECT COST	DATE INOTA	HINT COCT	ļ		1	40.00	~-
	INDIRECT COST STS	RATE UNITS 0.01 1	UNIT COST	\$35,990.95		1	\$0.00 \$0.00	\$0.00 \$0.00
	SURVEYING		\$ 750.00	\$0.00			20.00	ŞU.UL
	TOTALS					1.1	56,117.72	\$795,303.67
		1.09636				s	\$185.39	

ITEM		BID	UNIT	TOTAL	TINU	TOTAL	UNIT	TOTAL
No.	DESCRIPTION	QUANTITY UNIT	COST	COST	PRICE	COST	PRICE	COST
	BOULDER CREEK- 129 FT			_	<u></u>		_	
205(3)	FDTN. FILL EXC. TO SUBGRADE	300 CY 120.0 CY	\$52.75 \$20.00	\$15,825.00 \$2,400.00			\$53.54	\$16,062.38
	HAUL & PLACE FILL	0 CY	\$16.00	\$0.00				
	EXC. ROCK @ ABUTMT.S	55 CY	\$15.00	\$825.00			i	
	FILL ABUTMT.S	360 CY	\$35.00	\$12,600.00				
501(1)	CLASS A CONCRETE	122.1 CY	\$15,825,00 \$818.37	\$99,922.45			\$830.64	\$101,421.29
001(1)	SUBSTRUCTURE	90.6 CY	\$0.00	\$0.00			******	<b>4.01,1.1.1.1.1</b>
	FORMS	1676,0 SF	\$4.44	\$7,444.84				
	FORM & STRIP BUY	1676.0 SF 104.2 CY	\$23.65 \$209.12	\$39,636.35 \$21,788.14				
	POUR	104.2 CY	\$31.74	\$3,306.55				
	SUPERSTRUCTURE	31.5 CY	\$6.00	\$0.00				
	FORMS 4SF/HR	570.0 SF	\$4.44	\$2,531.96 \$13,480.14				
	FORM & STRIP BUY	570.0 SF 36.2 CY	\$23.65 \$209.12	\$7,575.35				
	POUR	36.2 CY	\$31.74	\$1,149.63				
	FINISH & CURE	570.0 SF	\$5.28	\$3,009.48				
501(2)	CLASS A-A CONC.	46.0 CY	\$99,922.45 \$895.27	\$41,182.36			\$908.70	\$41,800.09
001(2)	SUPERSTRUCTURE	46.0 CY	\$0.00	\$0.00			5000.70	047,000.00
	FORMS	825.0 SF	\$4.44	\$3,664.68				
	FORM & STRIP BUY	825.0 SF 52.9 CY	\$23.65 \$226.32	\$19,510.73 \$11,972.29				
	POUR	52.9 CY	\$31.74	\$1,678.82				
	FINISH & CURE	825.0 SF	\$5.28	\$4,355.83				
			\$41,182.36	\$0.00				
501(7A)	PRECAST CONC. "T"S	6.0 EA	\$0.00 \$63,643,76	\$0.00 \$381,862.59			\$64,598.42	\$387,590.53
	BUY	6.0 EA	\$39,974.00	\$239,844.00			***************************************	***************************************
	HAUL ON SITE	6.0 EA	\$2,667.83	\$16,007.00				
	HAUL FROM SEATTLE UNLOAD & STAGE ONSITE	350.0 TONS 6.0 EA	\$210.00 \$1,403.10	\$73,500.00 \$8,418.59				
	PLACE	6.0 EA	\$4,382.17	\$26,293.00				
	BEARING PADS	12.0 EA	\$325.00	\$3,900.00				
	GROUTE SHEAR KEY	640.00 LF	\$20.00 \$550.00	\$12,800.00				
	JOINTS-ABUTTMT. SAWED +	2.0 EA	\$381,862.59	\$1,100.00 \$0.00		ı		
503(1)	REBAR-SUBSTR.	17941.0 LBS	\$1.30	\$23,278.08			\$1.32	\$23,627.25
	BUY	17941.0 LBS	\$0.44	\$7,894.04				
	HAUL ON SITE HAUL FROM SEATTLE	17941.0 LBS 9.0 TONS	\$0.10 \$210.00	\$1,794.10 \$1,883.81				
	FABRICATE REBAR	17941.0 LBS	\$0.35	\$6,206.62				
	HAUL & PLACE REBAR	17941.0 LBS	\$0.31	\$5,499.52				
503/21	EPOXY-REBAR SUPST	15045.0 L.S	\$23,278.08 \$1.54	\$23,131.38			\$1.56	\$23,478.35
303(2)	BUY	15045.0 LBS	\$0.68	\$10,230.60			Q1.00	Q20,470.00
	HAUL ON SITE	15045.0 LBS	\$0.10	\$1,504.50				
	HAUL FROM SEATTLE FABRICATE REBAR	7.5 TONS 15045.0 LBS	\$210.00 \$0.35	\$1,579.73 \$5,204.76				
	HAUL & PLACE REBAR	15045.0 LB\$	\$0.31	\$4,611.80				
			\$23,131.38	\$0.00		I		
cocicoi	OVER DUE O AL AL-	0010	\$0.00	\$0.00				
ວບວ(ວເ)	STEEL PILES-2' dia BUY - AVE. 47' LONG	0.0 L.F. 0.0 LF	\$0.00 \$25.00	\$0.00 \$0.00				
	HAUL	0.0 L.F.	\$8.00	\$0.00				
			\$0.00	\$0.00				
505(68)	DRIVE PILES	0.0 EA	\$2,000.00 \$0.00	\$0.00 \$0.00				
507(1)	STEEL BRDG, RAIL	338.0 L.F.	\$130.76	\$44,197.85			\$132.72	\$44,860.81
	BUY	340.0 LF	\$90.00	\$30,600.00		1		, <del>-</del>
	HAUL	340.0 LF	\$5.00	\$1,700.00		1		
	INSTALL GROUTE BASES	340.0 LF 42.0 EA	\$25.72 \$75.05	\$8,745.85 \$3,152.00				
		0.0 CY	\$44,197.85	\$0.00		ŀ		
	GUARDRAIL/END CONN.	4.0 EA	\$2,300.00	\$9,200.00			\$2,334.50	\$9,338.00
	BUY HAUL	4.0 EA 4.0 EA	\$900.00 \$400.00	\$3,600.00 \$1,600.00				
	INSTALL	4.0 EA	\$1,000.00	\$4,000.00		1		
			\$9,200.00	\$0.00		i		
	RIPRAP CL. II	0.0 CY	\$0.00	\$0.00		ľ		
	EXC. FOR R.R. HAUL	0.0 CY 0.0 CY	\$0.00 \$0.00	\$0.00 \$0.00		j		
	PLACE R.R.	0.0 TONS	\$0.00	\$0.00		1		
			\$0.00	\$0.00		i		
	SUBTOTAL INDIDECT COST	RATE UNITS	LIMIT COST			l		
	INDIRECT COST STS	RATE UNITS 0.01 1	UNIT COST	\$12,771.99		ĺ		1
	SURVEYING		\$ 750.00	\$0.00		l.		
	TOTALS					1	.f. \$5,024.64	\$648,178.69
		1.09636		i			i.I \$152.15	

ITEM No.	DESCRIPTION	BID QUANTITY UNIT	UNIT	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	ANTLER SLOUGH - 145 FT	850 CY	\$38.45	\$32,680.00			539.02	\$33,170.20
205(3)	FDTN. FILL EXC. TO SUBGRADE	120.0 CY	\$20.00	\$2,400.00				
	HAUL & PLACE FILL	1105 CY	\$16.00	\$17,680.00				
	EXC. ROCK @ ABUTMT.S	0 CY	\$15.00	\$0.00				
	FILL ABUTMT.S	360 CY	\$35.00 \$32,680.00	\$12,600.00				
501(1)	CLASS A CONCRETE	159.3 CY	\$717.15	\$114,241.60			\$727.90	\$115,955,22
001(1)	SUBSTRUCTURE	104.4 CY	\$0.00	\$0.00				
	FORMS	1320,0 SF	\$4.44	\$5,863.48				
	FORM & STRIP	1320.0 SF	\$23.65 \$209.12	\$31,217.18 \$25,106.87				
	BUY POUR	120.1 CY 120.1 CY	\$31.74	\$3,810.20				
	SUPERSTRUCTURE	54.9 CY	\$0.00	\$0.00				
	FORMS 4SF/HR	990.0 SF	\$4.44	\$4,397.61				
	FORM & STRIP	990.0 SF	\$23.65 \$209.12	\$23,412.88 \$13,202.75				
	BUY	83.1 CY 63.1 CY	\$31.74	\$2,003.64				
	POUR FINISH & CURE	990.0 SF	\$5.28	\$5,227.00				
	, morra con		\$114,241.60				****	a nan
501(2)	CLASS A-A CONC.	46.0 CY	\$898.90	\$41,349.21			\$912.38	\$41,969.45
	SUPERSTRUCTURE	46.0 CY 830.0 SF	\$0.00 \$4.44	\$0.00 \$3,686,89				
	FORMS FORM & STRIP	830.0 SF	\$23.65	\$19,628.98				
	BUY	52.9 CY	\$226.32	\$11,972,29				
	POUR	52.9 CY	\$31.74	\$1,678.82				
	FINISH & CURE	830.0 SF	\$5.28 \$41,349.21	\$4,382.23 \$0.00				
							\$72,492.08	\$434,952.46
501(7A)	PRECAST CONC. "T"S	6.0 EA 6.0 EA	\$71,420.76 \$44,111.00	\$428,524.59 \$264,666.00			\$12,492.00	\$404,302.40
	BUY HAUL FROM SEATTLE	454.0 TONS	\$210.00	\$95,340.00				
	HAUL ON SITE	6.0 EA	\$2,667,83	\$16,007.00	1			
	UNLOAD & STAGE ONSITE	6.0 EA	\$1,403.10	\$8,418.59				
	PLACE	6.0 EA 12.0 EA	\$4,382,17 \$325.00	\$26,293.00 \$3,900.00				
	BEARING PADS GROUTE SHEAR KEY	640.00 LF	\$20.00	\$12,800.00		'	•	
	JOINTS-ABUTTMT. SAWED +	2.0 EA	\$550.00	\$1,100.00	_			
			\$428,524.59	\$0.00			\$1.32	\$43,781.72
503(1)	REBAR-SUBSTR.	33245.0 LBS 33245.0 LBS	\$1.30 \$0.44	\$43,134.70 \$14,627.80			07.02	<b>V</b> 10,1011112
	BUY HAUL ON SITE	33245.0 LBS	\$0.10	\$3,324.50				
	HAUL FROM SEATTLE	16.6 TONS	\$210.00	\$3,490.73				
	FABRICATE REBAR	33245.0 LBS	\$0.35	\$11,500.97				
	HAUL & PLACE REBAR	33245.0 LBS	\$0,31 \$43,134.70	\$10,190.71				
503/21	EPOXY-REBAR SUPST	15710.0 L.S	\$1.54	\$24,153.80			\$1.56	\$24,516.11
000(2)	BUY	15710.0 LBS	\$0.68	\$10,682.80				
	HAUL ON SITE	15710.0 LBS	\$0.10	\$1,571.00				
	HAUL FROM SEATTLE FABRICATE REBAR	7.9 TONS 15710.0 LBS	\$210.00 \$0.35	\$1,649.55 \$5,434.81	ŀ			
	HAUL & PLACE REBAR	15710.0 LBS	\$0.31	\$4,815.64				
			\$24,153,80	\$0.00			C420.44	6424 607 18
505(5B)	STEEL PILES-2' dla	1092.9 L.F.	\$118.66	\$129,681.93			\$120.44	\$131,627.16
	BUY - AVE. 47' LONG HAUL FROM SEATTLE	1092,9 LF 68.6 TONS	\$111.75 \$110.00	\$122,131.58 \$7,550.35				
	HAUL FROM SEATTLE	00.0 10110	\$129,681.93	\$0.00				
505(68)	DRIVE PILES	12.0 EA	\$7,218.57	\$86,622.80	1		\$7,326.85	\$87,922.14
	DRIVE PILES	12.0 EA	\$5,086.67	\$61,040.00 \$25,582.80				
	SPLICE PILES	24.0 EA 91.1	\$1,065.95 \$86,622.80	343,382.80				
507(1)	average length = STEEL BRDG. RAIL	370.0 L.F.	\$130.46	\$48,269.82	1		\$132.42	\$48,993.87
20.1.7	BUY	370.0 LF	\$90.00	\$33,300.00				
	HAUL	370.0 LF	\$5.00 \$5.00	\$1,850.00	ŀ			
	INSTALL COOLITE BASES	370.0 LF 48.0 EA	\$25.72 \$75.05	\$9,517.54 \$3,602.29	l			
	GROUTE BASES	48.0 EA 0.0 CY	\$48,269.82	\$0.00				
608(12)	GUARDRAIL/END CONN.	4.0 EA	\$2,300.00	\$9,200.00	1		\$2,334.50	\$9,338.00
	BUY	4.0 EA	\$900.00	\$3,600.00				
	HAUL INSTALL	4.0 EA 4.0 EA	\$400.00 \$1,000.00	\$1,600.00 \$4,000.00				
	MIO MEC		\$9,200.00	\$0.00				040 500 50
611(1)	RIPRAP CL. II	550.0 CY	\$35.09	\$19,300.00			\$35.62	\$19,589.50
	EXC. FOR R.R.	250.0 CY	\$20.00	\$5,000.00 \$5,720.00				
	HAUL PLACE R.R.	715.0 CY 715.0 TONS	\$8.00 \$12.00	\$5,720.00 \$8,580.00				
			\$19,300.00	\$0.00			CA 70	64 222 10
631(2)	GEO, EROSION CONT	750.0 SY	\$1.75 \$1.00	\$1,312.50 \$825.00			\$1.78	\$1,332,19
	BUY PLACE	825.0 SY 825.0 SY	\$1.00 \$0.50	\$825.00 \$412.50				
	SUBTOTAL	523.0 01	Q0.00	Ų <u>2.50</u>				
	INDIRECT COST		UNIT COST	640 500 07			\$0.00	\$0.00
	STS	0.01	1	\$19,568.67			I.f. \$6,849.30	\$993,148.02
	TOTALS	1.0963	_		l		s.i \$207.55	

No.	DESCRIPTION	BID QUANTITY UNIT	UNIT	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	ANTLER RIVER - 2762.5 FT FDTN, FILL EXC. TO SUBGRADE HAUL & PLACE FILL	1200 CY 120.0 CY 1560 CY	\$33.30 \$20.00 \$16.00	\$39,960.00 \$2,400.00 \$24,960.00		· • • • • • • • • • • • • • • • • • • •	\$33.80	\$40,559.40
501(1)	FILL ABUTMT.S  CLASS A CONCRETE FORMS 4SF/HR	360 CY 2609.0 CY 27580.0 SF	\$35.00 \$39,960.00 \$605.69 \$4.44	\$12,600.00 \$1,695,931.18 \$122,511.22			\$614.78	\$1,721,370.15
	FORM & STRIP BUY POUR FINISH & CURE	27580.0 SF 3220.0 CY 3220.0 CY 27580.0 SF	\$23.65 \$209.12 \$31.74 \$5.28	\$652,249.76 \$673,364.20 \$102,189.26 \$145,616.73				
501(2)	CLASS A-A CONC. FORMS FORM & STRIP	626.0 CY 11580.0 SF 11580.0 SF	\$1,695,931.18 \$864.17 \$4.44 \$23.65	\$540,973.28 \$51,438.72 \$273,859.76			\$877.14	\$549,087,88
	BUY POUR FINISH & CURE DRAINS @ PIERS-2 SIDES	719.9 CY 719.9 CY 719.9 SF 36.0 EA	\$226.32 \$31.74 \$5.28 \$725.00	\$162,927,28 \$22,846.60 \$3,800.92 \$26,100.00				
501(7A)	PRECAST CONC. "T"S BUY HAUL FROM SEATTLE	90.0 EA 90.0 EA 6705.0 TONS	\$540,973,28 \$71,254.65 \$44,111.00 \$210.00	\$0.00 \$6,412,918.82 \$3,969,990.00 \$1,408,050.00			\$72,323.47	\$6,509,112.61
	HAU L ON SITE UNLOAD & STAGE ONSITE PLACE BEARING PADS GROUTE SHEAR KEY	90.0 EA 90.0 EA 90.0 EA 180.0 EA 10725.00 LF	\$2,667.83 \$1,403.10 \$4,382.17 \$325.00 \$20.00	\$240,105.00 \$126,278.82 \$394,395.00 \$58,500.00 \$214,500.00				
	JOINTS-ABUTTMT. SAWED + BRIDGE EXPANSION JTS. BUY INSTALL	2.0 EA 330.0 L.F. 330.0 L.F. 330.0 L.F.	\$550.00 \$6,412,918.82 \$492.50 \$247.50 \$245.00	\$1,100.00 \$0.00 \$162,525.00 \$81,675.00 \$80,850.00			\$499.89	\$164,962.88
503(1)	REBAR-SUBSTR. BUY	575000.0 LBS 575000.0 LBS	\$162,525.00 \$1.25 \$0.44	\$0.00 \$717,300.68 \$253,000.00			\$1.27	\$728,060.19
	HAUL FROM SEATTLE HAUL TO YARD FABRICATE REBAR HAUL & PLACE REBAR	287.5 TONS 575000.0 LBS 575000.0 LBS 575000.0 LBS	\$210.00 \$0.05 \$0.35 \$0.31 \$717,300.68	\$60,375.00 \$28,750.00 \$198,918.92 \$176,256.76			-	
	EPOXY-REBAR SUPST BUY HAUL FROM SEATTLE HAUL TO YARD FABRICATE REBAR	270000.0 L.S 270000.0 LBS 135.0 TONS 270000.0 LBS 270000.0 LBS	\$1.49 \$0.68 \$210.00 \$0.05 \$0.35	\$0.00 \$401,619.45 \$183,600.00 \$28,350.00 \$13,500.00 \$93,405.41			\$1.51	\$407,643.74
504(2)	HAUL & PLACE REBAR STRUCTURAL STEEL BUY - FAB	270000.0 LBS 1000000.0 LBS 1000000.0 LBS	\$0.31 \$401,619.45 \$2,43 \$1.67	\$82,764.04 \$0.00 \$2,429,000.00 \$1,665,000.00			\$2,47	\$2,465,435.00
	HAUL FROM SEATTLE HAUL ON SITE UNLOAD & STAGE ONSITE INSTALL BEARING PADS	500.0 TONS 1000000.0 LBS 1000000.0 LBS 1000000.0 LBS 24.0 EA	\$210.00 \$0.25 \$0.05 \$0.35 \$375.00	\$105,000.00 \$250,000.00 \$50,000.00 \$350,000.00 \$9,000.00				
505(5B)	STEEL PILES-2' dia BUY - AVE. 47' LONG HAUL FROM SEATTLE	1200.0 L.F. 1200.0 LF 75.4 TONS	\$2,429,000.00 \$118.66 \$111.75 \$110.00	\$142,390.26 \$134,100.00 \$8,290.26			\$120.44	\$144,526.11
	STEEL PILES-4' dia BUY - AVE. 47' LONG HAUL FROM SEATTLE	1200.0 L.F. 1200.0 LF 301.5 TONS	\$142,390.26 \$547.93 \$520.30 \$110.00	\$0.00 \$657,520.38 \$624,360.00 \$33,160.38			\$556.15	\$667,383.19
:	DRIVE PILES-2FT DRIVE PILES SPLICE PILES	12.0 EA 12.0 EA 24.0 EA	\$657,520.38 \$7,218.57 \$5,086.67 \$1,065.95	\$0.00 \$86,622.80 \$61,040.00 \$25,582.80			\$7,326.85	\$87,922.14
505(6C) I I	average length = DRIVE PILES- PILE Offs PILE Out offs average length =	100.0 51.0 EA 51.0 EA 51.0 EA	\$86,622.80 \$4,894.00 \$3,744.00 \$1,150.00 \$249,594.00	\$8,662,280.00 \$249,594.00 \$190,944.00 \$58,650.00			\$4,967.41	\$253,337.91
WORK B ( I I	RIDGE & RK. ROAD BUY MATERIALS CONSTR. WK. BRDG REM. WORK BRDG. ROAD ROAD	23.5 600.0 L.F. 600.0 L.F. 600.0 LF 2300.0 L.F.	\$1,309.36 \$750.00 \$300.00 \$125.00 \$23.05	\$785,615.00 \$450,000.00 \$180,000.00 \$75,000.00 \$53,015.00			\$1,329.00	\$707,399.23
507(1) \$ E F	ROAD MAINT. & REPAIRS STEEL BRDG. RAIL BUY HAUL NSTALL	2300.0 L.F. 5605.0 L.F. 5605.0 LF 5605.0 LF 5605.0 LF	\$12.00 \$785,615.00 \$132.69 \$90.00 \$5.00 \$25.72	\$27,600.00 \$0.00 \$743,745.42 \$504,450.00 \$28,025.00 \$144,177.85			\$134.68	\$754,901.60
606(12) 6 E	GROUTE BASES GUARDRAIL/END CONN. BUY HAUL	894.0 EA 0.0 CY 4.0 EA 4.0 EA 4.0 EA	\$75.05 \$743,745.42 \$2,300.00 \$900.00 \$400.00	\$67,092.57 \$0.00 \$9,200.00 \$3,600.00 \$1,600.00			\$2,334.50	\$9,338.00
II 311(1) R E	NSTALL RIPRAP CL. II EXC. FOR R.R.	4.0 EA 1000.0 CY 550.0 CY	\$1,000.00 \$9,200.00 \$37.00 \$20.00	\$4,000.00 \$0.00 \$37,000.00 \$11,000.00			\$37.56	\$37,555.00
P	HAUL PLACE R.R. SEO, EROSION CONT	1300.0 CY 1300.0 TONS 1000.0 SY	\$8.00 \$12.00 \$37,000.00 \$1.75	\$10,400.00 \$15,600.00 \$0.00 \$1,750.00			\$1.78	\$1,776.25
9 9 <u>9</u> 11	BUY PLACE <u>SUBTOTAL</u> NDIRECT COST	1100.0 SY 1100.0 SY RATE UNITS	\$1.00 \$0.50 UNIT COST	\$1,100.00 \$550.00			31.70	0.,110.20
	OTALS	0.01 1		\$388,895.13		I.:		\$15,340,371.27

EXC. TO SUBGRADE	ITEM No.	DESCRIPTION	BID QUANTITY UN	UNIT COST	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRIÇE	TOTAL COST
EXC. TO SUBGRADE			•						
HALL SPLACE FISL ECK POCK 9, 80 JUNE 75 ECK P	205(3)							\$36.73	\$28,283.99
EXC. ROCK @ ABURNIS   0 CY   \$15.00   \$0.00   FILL ABURNIS   270 CY   \$15.00   \$9,450.00   FILL ABURNIS   270 CY   \$15.00   \$9,450.00   FORMS   145.0 SF   \$4.44   \$1,950.40   FORMS   145.0 SF								1	
FILL ABUTHATS 270 CY \$35.00 \$9.40.00 \$9.00 \$733.33 \$125.60 \$9.40.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.00 \$9.0								i	
501(1) CLASS A CONCRETE   171.5 CV   \$27,085.00   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041.50   \$12,041				\$35.00				ľ	
SUBSTRUCTURE	501/11	CLASS A COMODETE	171 5 04		\$102.044.00	l		6722.52	\$125,800,48
FORMS STRIP	JV I(1)							9/33.53	φ120,800.48
FORM & STRIP		FORMS	1545.0 SF	\$4.44	\$6,862.94		:	1	
POUR SUPERSTRUCTURE 5.4 0 CF 5.00 4 5.00 0 F 5.0		FORM & STRIP	1545.0 SF	\$23.65	\$36,538.28		İ	1	
SUPERSTRUCTURE 54.9 CV \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$								1	
FORMS 45FARR FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517DP FORM 517D								1	
BUY POUR 63.1 CV \$30.4 C \$31.200.75   POUR 90.0 SF \$4.4 S.000.6   SO1(2) CLASS AA CONC. 50.0 CV \$12.34 \$2.000.6   SO1(2) CLASS AA CONC. 50.0 CV \$12.34 \$2.000.6   SO1(2) CLASS AA CONC. 50.0 CV \$10.0 S0.0 S0.0 \$30.0 \$30.0   POUR 90.0 SF \$4.4 \$5.670.0 R \$5.22 C \$1.1 \$1.1 \$1.1 \$1.1 \$1.1 \$1.1 \$1.1 \$1		FORMS 4SF/HR	990.0 SF	\$4.44	\$4,397.61			I	
POUR FINISH & CURE 990.0 9F \$52.8 \$52.70 \$52.70 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50						1			
FINISH & CURE 900.0 SF \$5.26 \$12,27.00 \$10.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1							Ì	1	
501(2)   CLASS A-A CONC.   50.6 CV   50.24   542,047.56   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50				\$5.28			İ	1	
SUPERSTRUCTURE CY \$0.00 \$0.00   FORMS B \$22 05 F \$4.44 \$3.076.00   FORM S \$170 620 0 F \$2.00 \$7 \$3.00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,0	E0475.		FA 0	\$123,941.36		1			640.00=
FORMS   \$23.0 SF   \$4.44   \$3.679.00   FORMS   \$CORN & STRIP  \$28.0 SF   \$4.24   \$3.265   \$18.961.05   BUY   \$82.CY   \$220.32   \$13.169.52   FINSH & CURE   \$9.0 SF   \$5.2 B   \$4.271.07   FORMS   \$0.0 SF   \$5.2 B   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.2 B   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.2 B   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.2 B   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.2 B   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.2 B   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.2 B   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$4.4 SF   \$4.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$4.4 SF   \$4.4 SF   FORMS   \$0.0 SF   \$5.0 SF   \$4.4 SF   \$4.4 SF   FORMS   \$0.0 SF   \$5.0 SF   \$4.4 SF   \$4.4 SF   FORMS   \$0.0 SF   \$5.0 SF   \$4.4 SF   \$4.4 SF   FORMS   \$0.0 SF   \$5.0 SF   \$4.4 SF   \$4.4 SF   FORMS   \$0.0 SF   \$5.0 SF   \$5.2 SF   FORMS   \$0.0 SF   \$5.0 SF   \$5.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$5.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$5.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$5.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$5.0 SF   FORMS   \$0.0 SF   \$5.0 SF   \$5.0 SF   FORMS   \$0.0 SF   \$5.0	ou1(2)							\$855.48	\$43,287.30
FORM & STRIP  BUY  62.0 SF  82.0 CY  FOUR  63.2 CY  FOUR  63.2 CY  63.1.7 S1,169.52  FOUR  63.2 CY  63.1.7 S1,169.52  FOUR  63.2 CY  63.1.7 S1,169.52  FOUR  63.2 CY  63.1.7 S1,169.52  FOUR  63.2 CY  63.1.7 S1,169.52  FOUR  63.2 CY  63.1.7 S1,169.52  FOUR  63.2 CY  63.1.7 S1,169.52  FOUR  63.2 CY  63.1.7 S1,169.52  FOUR  63.1 S1,169.52  FOUR  63.1 S1,169.52  FOUR  63.1 S1,169.52  FOUR  63.1 S1,169.52  FOUR  63.1 S1,169.52  FOUR  63.1 S1,169.52  FOUR  63.1 S1,169.52  FOUR  64.1 S1,169.52  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  65.1 S1,169.53  FOUR  66.1 S1,169.53  FOUR  67.1 S1,		FORMS	828.0 SF	\$4.44	\$3,678.00			1	
POUR PINISH & CURE 22.0 SF \$3.17.4 \$1,846.71   FINISH & CURE 22.0 SF \$42,871.50 \$3.00   501(7A) PRECAST CONC. "T"S \$6.0 EA \$38,974.00 \$239,844.00   HAUL PROM SEATTLE 350.0 TONS \$100.0 \$72,650.0   HAUL PROM SEATTLE 6.0 EA \$38,974.00 \$239,844.00   HAUL PROM SEATTLE 6.0 EA \$3,874.00 \$239,844.00   HAUL PROM SEATTLE 6.0 EA \$1,600.10 \$239,844.00   HAUL ON SITE 6.0 EA \$1,600.10 \$239,844.00   HAUL ON SITE 6.0 EA \$1,600.10 \$20,841.65   EXEMPTION PADS 10.0 EA \$1,600.10 \$20,800.00   HEARINO PADS 10.0 EA \$1,600.10 \$20,800.00   HEARINO PADS 10.0 EA \$1,600.10 \$20,800.00   HEARINO PADS 10.0 EA \$1,600.10 \$20,800.00   HEARINO PADS 10.0 EA \$1,600.10 \$20,800.00   HEARINO PADS 10.0 EA \$1,600.10 \$20,800.00   HEARINO PADS 10.0 EA \$1,600.00 \$1,100.00 \$20,800.00   HEARINO PADS 10.0 EA \$1,000.00 \$1,000.00 \$20,800.00   HEARING PADS 10.0 EA \$1,000.00 \$1,000.00 \$20,800.00   HEARING PADS 10.0 EA \$1,000.00 \$1,000.00 \$20,800.00   HEARING PADS 10.0 EA \$1,000.00 \$1,000.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,800.00 \$20,80		FORM & STRIP	828.0 SF	\$23.65	\$19,581.68	l		l	
FINISH & CURE   820.0 SF   \$5.28   \$4,371.67   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00						[		l	
S42,691,58   S0.00						1		1	
S01(7A) PRECAST CONC. "T'S   6.0 EA   63916.76471   5362,912.99   S04,776.05   \$388,65   S04,776.05   S04,7				\$42,647.58	\$0.00	1			
BUY HAUL FROM SEATTLE 195.0 TONS 100.0 STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONSITE 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0 A STAGE ONS 100.0	501/7*	PRECAST COMO PERO				1		864 770.05	COPP CEC AA
HAUL FROM SEATTLE 355.0 TONS \$210.00 \$774,559.00   HAUL ON SITE 6.0 EA \$1,403.10 \$510,007.00   UNICAD & STAGE ONSITE 6.0 EA \$1,403.10 \$54,16.59   PLACE BEARING PADS 12.0 EA \$225.00 \$31,000.00   UNICAD & STAGE ONSITE 6.0 EA \$1,403.10 \$54,16.59   PLACE BEARING PADS 12.0 EA \$225.00 \$31,000.00   UNITS-REPARKEY 640.0 LF \$200.00 \$12,000.00   UNITS-REPARKEY 640.0 LF \$300.00 \$12,000.00   HAUL FROM SEATTLE 19.4 TONS \$210.00 \$40,001.35   HAUL FROM SEATTLE 19.4 TONS \$40,001.35   HAUL FROM SEATTLE 6.0 LBS \$0.05 \$13,446.02   HAUL FROM SEATTLE 6.0 FTON 540,000 \$11,140.00   HAUL FROM SEATTLE 6.0 FTON 540,000 \$11,140.00   HAUL FROM SEATTLE 6.0 FTON 540,000 \$11,140.00   HAUL FROM SEATTLE 6.0 FTON 540,000 \$11,150.00   HAUL FROM SEATTLE 6.7 TON 540,000 \$11,150.00   HAUL FROM SEATTLE 6.0 FT TON 540,000 \$11,150.00   HAUL FROM SEATTLE 6.0 FT TON 540,000 \$11,150.00   HAUL FROM SEATTLE 6.0 FT TON 540,000 \$1,150.00						Ī		304,775.05	\$388,656.28
HAUL ON SITE UNICADO & STAGE ONSITE PLACE PLACE BEARING PADS 12.0 EA SASSUIT GROUTE SHEAR KEY JOINTS-ABUTIMT. SAWED + 2.0 EA SASSUID GROUTE SHEAR KEY JOINTS-ABUTIMT. SAWED + 2.0 EA SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID SASSUID S		HAUL FROM SEATTLE	355.0 TONS	\$210.00	\$74,550.00	1			
PLACE BEARING PADS BEARING PADS GROUTE SHEAR REY GROUTE SHEAR REY JOINTS-ABUTTHIT, SAWED + 2.0 EA S325,000 S12,000.00 S10,000.00 S10		HAU L ON SITE	6.0 EA	\$2,667.83	\$16,007.00	l			
BEARING PADS GROUTE SHEAR REY 6400 LF 520.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00 312,800.00						l			
GROUTE SHEAR REY JOINTS-ABUTTHT, SAWED + 2.0 EA \$550.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00 \$1,100.00				\$325.00		l	i		
S382,912.59   S0.00		GROUTE SHEAR KEY	640.00 LF	\$20.00	\$12,800.00		'		
S03(1) REBAR-SUBSTR.   308700 LBS   \$1.25   \$49,849.55   \$40,849.55   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$49,21   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27   \$1.27		JUINTS-ABUTTMT. SAWED +	2.0 EA			1		1	
BUY 388700 LBS \$0.44 \$17,102.80   HAUL FROM SEATTLE 19.4 TONNS \$210.00 \$4,9813.35   HAUL FROM SEATTLE 19.4 TONNS \$210.00 \$4,9813.35   HAUL & PLACE REBAR 38870.0 LBS \$0.35 \$13,445.92   HAUL & PLACE REBAR 38870.0 LBS \$0.35 \$13,445.92   HAUL & PLACE REBAR 38870.0 LBS \$0.35 \$11,914.95    503(2) EPOXY-REBAR SUPST 1670.0 LBS \$0.68 \$1,135.60   BUY 1670.0 LBS \$0.68 \$1,135.60   HAUL FROM SEATTLE 0.8 TONS \$210.00 \$175.35   HAUL FROM SEATTLE 1670.0 LBS \$0.05 \$83.50   FABRICATE REBAR 1670.0 LBS \$0.35 \$157.73   HAUL BY LACE REBAR 1670.0 LBS \$0.35 \$157.73   HAUL BY LACE REBAR 1670.0 LBS \$0.35 \$157.73   HAUL BY LACE REBAR 1670.0 LBS \$0.35 \$151.91 \$10.00 \$157.01 \$10.00 \$157.01 \$10.00 \$157.01 \$10.00 \$157.01 \$10.00 \$157.01 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$	503(1)	REBAR-SUBSTR.	38870.0 LBS					\$1.27	\$49,216.87
HAULT TO YARD FABRICATE REBAR 38870.0 LBS 50.55 \$13,445.92 HAUL & PLACE REBAR 38870.0 LBS \$0.35 \$11,914,96  \$48,489.53  503(2) EPOXY-REBAR SUPST BUY 1870.0 LBS \$0.88 \$1.49 HAUL FROM SEATTLE 0.8 TONS FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05 FABRICATE REBAR 1670.0 LBS \$0.05		BUY	38870.0 LBS	\$0.44	\$17,102.80	l			
FABRICATE REBAR HAUL & PLACE REBAR 38870.0 LBS \$0.31 \$1.94 \$88,489.53 \$2,484.09 \$1.070.0 LBS \$38,489.53 \$2,484.09 \$1.070.0 LBS \$38,489.53 \$2,484.09 \$3.155.00 \$3.151 \$2,525 \$3.149 \$2,484.09 \$3.155.00 \$3.151 \$3.55.00 \$4.101.0 YARD \$4.101.0 YARD \$4.100.0 LBS \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.5 \$5.00.					\$4,081.35				
HAUL & PLACE REBAR 38870.0 LBS \$0.31 \$11,914,95 \$						Į.		1	
S48,489.53   S49.494.09   S2,484.09   S1.51   S2,52				\$0.31		1	į		
BUY 1670.0 LBS \$0.68 \$1,135.60   HAUL FROM SEATTLE 0.8 TONS \$210.00 \$175.35   HAUL TO YARD 1670.0 LBS \$0.05 \$83.50 \$83.50 \$10.00 \$175.35   HAUL & PLACE REBAR 1670.0 LBS \$0.05 \$83.50 \$1.91 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10				\$48,489.53		1			
HAUL FROM SEATTLE						[		\$1.51	\$2,521.35
HAUL TO YARD   1670.0 LBS   \$0.05   \$83.50   FABRICATE REBAR   1670.0 LBS   \$0.35   \$57.73   HAUL & PLACE REBAR   1670.0 LBS   \$0.31   \$511.91   \$5.484.09   \$0.00   \$505(5B) STEEL PILES-2' dia   1078.0 LF   \$118.66   \$127,913.92   BUY   1078.0 LF   \$111.75   \$120,465.50   \$517,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$512,913.92   \$0.00   \$7.447.42   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$87.922   \$7.326.85   \$87.922   \$7.326.85   \$87.922   \$7.326.85   \$87.922   \$7.326.85   \$87.922   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$87.922   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$7.326.85   \$		HAUL FROM SEATTLE	0.8 TONS	\$210.00	\$175.35	Į.	I	İ	
HAUL & PLACE REBAR  1670.0 LBS  \$2,484.09  \$0.00  505(5B) STEEL PILES-2' dla  BUY-  1078.0 LF  \$111.75  \$120,465.50  \$120,44  \$129,832  \$12.0 EA  \$7,7 TONS  \$111.75  \$120,465.50  \$177,913.92  \$0.00  \$0.00  \$747.42  \$179,13.92  \$0.00  \$747.42  \$179,13.92  \$0.00  \$0.00  \$747.42  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$179,13.92  \$0.00  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92  \$179,13.92		HAUL TO YARD	1670.0 LBS	\$0.05	\$83.50	ţ	l	İ	
S2,484.09   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00						1	i	ı	
505(5B) STEEL PILES-2' dia   1078.0 L.F.   5118.66   \$127,913.02   \$120.44   \$129,835   BUY -   1078.0 L.F.   \$111.75   \$120,465.50   S17.7 TONS   \$110.00   \$7,447.42   \$127,913.92   \$0.00   \$140.00   \$142.68   \$127,913.92   \$0.00   \$142.68   \$120.64   \$129,835   \$120.64   \$129,835   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64   \$120.64		van alt with insidered	1010.0 EDS	\$2,484.09		I	I	ı	
HAUL FROM SEATTLE 67.7 TONS \$110.00 \$7,447.42 \$ \$127,913.92 \$0.00 \$ \$505(6B) DRIVE PILES 12.0 EA \$7,218.57 \$86,622.80 \$ \$PLICE PILES 24.0 EA \$1,065.95 \$25,582.80 \$ \$verage length 89.8 \$86,622.80 \$ \$97(1) \$TEEL BRDG, RAIL 32.0.0 L.F. \$140.57 \$44,983.38 \$ \$10.00 FF \$100.00 \$32,000.00 \$  HAUL 320.0 L.F. \$100.00 \$32,000.00 \$  HAUL 320.0 L.F. \$5.00 \$1,600.00 \$  INSTALL 320.0 L.F. \$25.72 \$8,231.38 \$  GROUTE BASES 42.0 EA \$75.05 \$33,152.00 \$  606(12) GUARDRAIL/END CONN, 4.0 EA \$2,400.00 \$4,000.00 \$4,000.00 \$  HAUL 4.0 EA \$1,000.00 \$4,000.00 \$4,000.00 \$  HAUL 4.0 EA \$1,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$				\$118.66	\$127,913.92		ŀ	\$120.44	\$129,832.63
S127,913.92   S0.00   S05(6B) DRIVE PILES   12.0 EA   \$7,218.57   \$86,622.80   \$7,326.85   \$87,922   S0.00   SPLICE PILES   12.0 EA   \$5,086.67   \$61,040.00   SPLICE PILES   24.0 EA   \$1,065.95   \$25,582.80   severage length   89.8   \$86,622.80   S07(1) STEEL BRDG, RAIL   320.0 L.F.   \$140.57   \$44,983.38   \$142.68   \$45,656   S07(1) STEEL BRDG, RAIL   320.0 L.F   \$50.00   \$32,000.00   HAUL   320.0 L.F   \$55.00   \$1,600.00   S0.00						1	l		
505(6B) DRIVE PILES   12.0 EA   \$7,218.57   \$86,622.80   \$7,326.85   \$87,925   \$12.0 EA   \$5,086.67   \$51,040.00   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$25,562.80   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.95   \$1,065.			01.1 TONS			1	1		
SPLICE PILES average length 89.8 \$86,622.80  507(1) STEEL BRDG, RAIL 32.0 L.F. \$140.57 \$44,983.38  BUY 32.0 L.F. \$100.00 \$32,000.00  HAUL 320.0 L.F \$5.00 \$1,600.00  INSTALL 320.0 L.F \$5.00 \$1,600.00  INSTALL 320.0 L.F \$5.00 \$1,600.00  BOUTE BASES 42.0 EA \$75.05 \$3,152.00  606(12) GUARDRAILIEND CONN. 4.0 EA \$2,400.00 \$9,600.00  BUY 4.0 EA \$1,000.00 \$4,000.00  INSTALL 4.0 EA \$1,000.00 \$4,000.00  INSTALL 4.0 EA \$1,000.00 \$4,000.00  INSTALL 4.0 EA \$1,000.00 \$4,000.00  SHEET PILES 3200.0 S.F. \$42.05 \$13,4551.40  BUY SHEET PILE 3363.2 S.F. \$21.00 \$70,627.20  HAUL 3363.2 L.F \$10.50 \$35,313.60  CORNER CONNECTIONS 31.0 L.F \$55.00 \$1,705.00  SUBTOTAL  INDIRECT COST RATE UNITS UNIT COST  STS 0.01 \$1,504.7492  If. \$8,729.11 \$1,047,492				\$7,218.57	\$86,622.80		1	\$7,326.85	\$87,922.14
average length 89.8 \$86,622.80 507(1) STEEL BRDG, RAIL 320.0 L.F. \$140.57 \$44,983.38 BUY 320.0 L.F. \$100.00 \$32,000.00 HAUL 320.0 L.F \$5.00 \$1,600.00 INSTALL 320.0 L.F \$5.00 \$1,600.00 INSTALL 320.0 L.F \$5.00 \$1,600.00 INSTALL 320.0 L.F \$5.00 \$1,600.00 INSTALL 320.0 L.F \$5.00 \$1,600.00 INSTALL 320.0 L.F \$5.00 \$1,600.00 INSTALL 320.0 L.F \$5.00 \$1,600.00 INSTALL 320.0 L.F \$5.00 \$1,600.00 INSTALL 4.0 EA \$1,000.00 \$4,000.00 INSTALL 4.0 EA \$1,000.00 \$4,000.00 INSTALL 4.0 EA \$1,000.00 \$4,000.00 INSTALL 4.0 EA \$1,000.00 \$0.00 SHEET PILES 3200.0 S.F. \$21.00 \$70,627.20 HAUL 3363.2 S.F. \$21.00 \$70,627.20 HAUL 3363.2 L.F \$8.00 \$26,905.60 DRIVE 3363.2 L.F \$10.60 \$35,343.60 CORNER CONNECTIONS 31.0 L.F \$55.00 \$1,705.00 SUBTOTAL INDIRECT COST RATE UNITS UNIT COST STS 0.01 1 \$20,640.25 \$5.00 \$5.00 S0.00 S0.00 S0.00 SUBTOTALS III. \$8,729.11 \$1,047,492							1		
507(1) STEEL BRÖG, RAIL BUY 320.0 LF. \$140.57 \$44,983.38 BUY 320.0 LF \$50.00 \$1,600.00 HAUL 320.0 LF \$55.00 \$1,600.00 HSTALL 320.0 LF \$55.00 \$1,600.00 HSTALL 320.0 LF \$55.00 0.0 CY \$44,983.38 GROUTE BASES 42.0 EA \$75.05 \$3,152.00 0.0 CY \$44,983.38 \$50.00  606(12) GUARDRAILJEND CONN, BUY 4.0 EA \$1,000.00 \$4,000.00 HAUL 4.0 EA \$1,000.00 \$5,600.00 SHEET PILES 320.0 S.F. \$42.05 \$134,551.40 SUY SHEET PILE 3363.2 S.F. \$21.00 \$70,627.20 HAUL 3363.2 L.F \$10.50 \$3363.2 L.F \$10.50 \$35,313.60 CORNER CONNECTIONS 31.0 L.F \$55.00 \$134,551.40 \$0.00 \$50.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$10					929,082.80	ļ	j		
BUY 320.0 LF \$100.00 \$320,00.00   HAUL 320.0 LF \$5.00 \$1,600.00   HAUL 320.0 LF \$5.00 \$1,600.00   HSTALL 320.0 LF \$5.572 \$8,231.38   GROUTE BASES 42.0 EA \$75.05 \$3,152.00   606(12) GUARDRAILIEND CONN. 4.0 EA \$2,400.00 \$9,600.00   HAUL 4.0 EA \$1,000.00 \$4,000.00   HAUL 4.0 EA \$400.00 \$4,000.00   HAUL 4.0 EA \$1,000.00 \$4,000.00   INSTALL 4.0 EA \$1,000.00 \$4,000.00   SHEET PILES 3200.0 S.F. \$42.05 \$134.551.40   SHEET PILE 3363.2 S.F. \$21.00 \$70,627.20   HAUL 3363.2 L.F \$8.00 \$26,905.60   ORIVE 3363.2 L.F \$10.50 \$35,313.60   CORNER CONNECTIONS 363.0 LF \$55.00 \$1,705.00   SUBTOTAL INDIRECT COST RATE UNITS UNIT COST STS 0.01 \$1,604.25   STOTALS	507(1)	STEEL BRDG. RAIL	320.0 L.F.	\$140.57			İ	\$142.68	\$45,658.14
INSTALL   320,0 LF   \$25,72   \$8,231,38   GROUTE BASES   42,0 EA   \$75,05   \$3,152,00   \$0,00   \$0,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,00   \$1,000,0		BUY			\$32,000.00		ļ		
GROUTE BASES 42.0 EA \$75.05 \$3,152.00   0.0 CY \$44,983.38 \$0.00   BUY 4.0 EA \$2,400.00 \$9,600.00   BUY 4.0 EA \$1,000.00 \$4,000.00   INSTALL 4.0 EA \$1,000.00 \$0.000   SHEET PILES 3200.0 S.F. \$42.05 \$134,551.40 \$0.00 \$134,551.40 \$0.00 \$134,551.40 \$0.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,500.00 \$1,50									
0.0 CY \$44,983.38 \$0.00 BUY 4.0 EA \$2,400.00 \$9,600.00 BUY 4.0 EA \$1,000.00 \$4,000.00 BUY 4.0 EA \$1,000.00 \$1,600.00 BUY 4.0 EA \$1,000.00 \$1,600.00 BUY 84,000.00							į		
BUY 4.0 EA \$1,000.00 \$4,000.00   HAUL 4.0 EA \$1,000.00 \$1,000.00   INSTALL 4.0 EA \$1,000.00 \$4,000.00   \$9,600.00 \$0.00   SHEET PILES 3200.0 S.F. \$22.05 \$134,551.40   BUY SHEET PILE 3363.2 S.F. \$21.00 \$70,827.20   HAUL 3363.2 L.F \$0.00 \$26,905.60   DRIVE 3363.2 L.F \$10.50 \$35,313.60   CORNER CONNECTIONS 31.0 L.F \$55.00 \$1,705.00 \$134,551.40   SUBTOTAL INDIRECT COST RATE UNITS UNIT COST STS 0.01 \$ \$20,640.25   STOTALS \$1,047,492   II. \$8,729.11 \$1,047,492   III. \$8,729.11 \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,047,492   III. \$1,0			0.0 CY	\$44,983.38	\$0.00		l		
HAUL 4.0 EA \$400.00 \$1,600.00   INSTALL 4.0 EA \$1,000.00 \$4,000.00   \$9,600.00 \$0.00  SHEET PILES 3200.0 S.F. \$42.05 \$134,551.40   BUY SHEET PILE 3363.2 S.F. \$21.00 \$70,627.20   HAUL 3363.2 S.F. \$21.00 \$70,627.20   HAUL 3363.2 S.F. \$10.50 \$35,313.60   CORNER CONNECTIONS 31.0 L.F \$55.00 \$1,705.00 \$  SUBTOTAL INDIRECT COST RATE UNITS UNIT COST STS 0.01 1 \$20,640.25 \$ \$0.00 \$0  TOTALS							Į	52,436.00	\$9,744.00
INSTALL						!	Ì		
SHEET PILES 320.0 S.F. \$42.05 \$134,551.40 \$42.68 \$136,569 BUY SHEET PILE 3363.2 S.F. \$21.00 \$70,627.20 HAUL 3363.2 L.F \$0.00 \$26,905.60 ORIVE 3363.2 L.F \$10.50 \$35,313.60 CORNER CONNECTIONS 31.0 L.F \$55.00 \$1,705.00 SUBTOTAL INDIRECT COST RATE UNITS UNIT COST STS 0.01 1 \$20,640.25 \$0.00 \$0  If. \$8,729.11 \$1,047,492				\$1,000.00	\$4,000.00	1	<u> </u>		
BUY SHEET PILE 3363.2 S.F. \$21.00 \$70,627.20 HAUL 3363.2 S.F. \$8.00 \$26,905.60 ORIVE 3363.2 L.F \$10.50 \$35,313.60 ORIVE 3363.2 L.F \$10.50 \$35,313.60 ORIVE \$35.00 \$1,705.00 \$134,551.40 \$0.00 SUBTOTAL INDIRECT COST RATE UNITS UNIT COST STS 0.01 1 \$20,640.25 S0.00 \$0.00 SUBTOTAL INDIRECT COST RATE UNITS UNIT COST STS 10.01 1 \$20,640.25 S0.00 \$0.00 SUBTOTAL STS STS STS STATE STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET		NUCCE DU CO				ļ	l	A	0400 =000
HAUL 3363.2 L.F \$8.00 \$26,905.60 DRIVE 3363.2 L.F \$10.50 \$35,313.60 CORNER CONNECTIONS 31.0 L.F \$55.00 \$1,705.00 \$134,551.40 \$0.00 \$\$\$  SUBTOTAL INDIRECT COST RAYE UNITS UNIT COST STS 0.01 1 \$20,640.25 \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$						ţ	l	\$42.68	\$136,569.67
ORIVE         3363.2 L.F         \$10.50         \$35,313.60           CORNER CONNECTIONS         31.0 L.F         \$55.00         \$1,705.00           \$134,551.40         \$0.00           SUBTOTAL         INDIRECT COST         RATE         UNITS         UNIT COST           STS         0.01         1         \$20,640.25         \$0.00         \$0           TOTALS         If. \$8,729.11         \$1,047,492	1	HAUL		\$8.00		!	l		
CORNER CONNECTIONS 31.0 L.F \$55.00 \$1,705.00 \$  SUBTOTAL INDIRECT COST RATE UNITS UNIT COST \$55.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.	(	DRIVE	3363.2 L.F	\$10.50	\$35,313.60	i.	ŀ		
SUBTOTAL INDIRECT COST STS         RATE         UNITS UNIT COST SUBTORALS         \$20,640.25         \$0.00         \$0           TOTALS         If. \$8,729.11         \$1,047,492	(	CORNER CONNECTIONS	31,0 L.F		\$1,705.00		j		
INDIRECT COST		SUBTOTAL		გ⊺34,551.40	\$0.00		ļ		
STS         0.01         1         \$20,640.25         \$0.00         \$0           TOTALS         I.f. \$8,729.11         \$1,047,492	Ī	NDIRECT COST					İ		
		3T\$			\$20,640.25				\$0.00
1.09636 s.f \$235.92	٦	IUIALS	1.000	36	1				\$1,047,492.84

ITEM	DESCRIPTION	BID	TINU	TOTAL	UNIT	TOTAL	UNIT	TOTAL
No.	DESCRIPTION	QUANTITY UNI	T COST	COST	PRICE	cost	PRICE	COST
	LACE RIVER BRIDGE- 2677 FT FDTN. FILL	1300 CY	\$41.42	\$53,840.00			\$42.04	\$54,647.60
200(0)	EXC. TO SUBGRADE	585.0 CY	\$20.00	\$11,700.00				***************************************
	HAUL & PLACE FILL EXC. ROCK @ ABUTMT.S	1690 CY 0 CY	\$16.00 \$15.00	\$27,040.00 \$0.00				
	FILL ABUTMT.S	360 CY	\$35.00	\$12,600.00				
	POROUS BACKFILL	50 CY	\$50.00 \$53,840.00	\$2,500.00				
501(1)	CLASS A CONCRETE	4300.0 CY	\$711.80	\$3,060,727.76			\$722.47	\$3,106,638.68
	FORMS 4SF/HR FORM & STRIP	52580.0 SF 52580.0 SF	\$4.44 \$23.65	\$233,562,00 \$1,243,484.14				
	BUY	4945.0 CY	\$209.12	\$1,034,095.03				
	POUR FINISH & CURE	4945.0 CY 52580.0 SF	\$55.00 \$5.28	\$271,975.00 \$277,611.60				
504(0)			\$3,060,727.76				\$1.614.70	674 000 04
501(2)	CLASS A-A CONC. SUPERSTRUCTURE	46.0 CY 0.0 CY	\$1,590.92 \$0.00	\$73,182.47 \$0.00			\$1,614.79	\$74,280.21
	FORMS FORM & STRIP	828.0 SF	\$4.44 \$23.65	\$3,678.00 \$19,581.68			l	
	BUY	828.0 SF 52.9 CY	\$23.05 \$226.32	\$11,972.29				
	POUR FINISH & CURE	52.9 CY 828.0 SF	\$31.74 \$5.28	\$1,678.82 \$4,371,67			Ī	
	DRAINS @ PIERS-2 SIDES	44.0 EA	\$725.00	\$31,900.00				
£04/7A3	PRECAST CONC. "T"S	120.0 EA	\$73,182.47 \$69,548.35	\$0.00 \$8,345,801.76			\$70,591.57	\$8,470,988.79
201(17)	BUY	120.0 EA	\$44,111.00	\$5,293,320.00			\$70,031.57	\$0,410,500.15
	HAUL FROM SEATTLE HAU L ON SITE	8031.0 TONS 120.0 EA	\$210.00 \$2,667.83	\$1,686,510.00 \$320,140.00				
	UNLOAD & STAGE ONSITE	120.0 EA	\$1,403.10	\$168,371.76				
	PLACE BEARING PADS	120,0 EA 180.0 EA	\$4,382.17 \$325.00	\$525,860.00 \$58,500.00				
	GROUTE SHEAR KEY	14600.00 LF	\$20.00	\$292,000.00		•	•	
	JOINTS-ABUTTMT. SAWED +	2.0 EA	\$550.00 \$8,345,801.76	\$1,100.00 \$0.00		1	1	
	BRIDGE EXPANSION JTS.	330.0 L.F.	\$775.00	\$255,750.00			\$786.63	\$259,586.25
	BUY INSTALL	330,0 L.F. 330,0 L.F.	\$275.00 \$500.00	\$90,750.00 \$165,000.00				
			\$255,750.00	\$0.00				
	REBAR-SUBSTR. BUY	650000.0 LBS 650000.0 LBS	\$1.25 \$0.44	\$810,861,63 \$286,000.00			\$1.27	\$823,024.56
	HAUL FROM SEATTLE	325.0 TONS	\$210.00	\$68,250.00				
	HAUL TO YARD FABRICATE REBAR	650000.0 LBS 650000.0 LBS	\$0.05 \$0,35	\$32,500.00 \$224,864.86				
	HAUL & PLACE REBAR	650000.0 LBS	\$0.31	\$199,246.77				
503(2)	EPOXY-REBAR SUPST	100000.0 LB\$	\$810,861.63 \$1.09	\$0.00 \$109,153.35			\$1.11	\$110,790.65
	BUY	100000.0 LBS	\$0.68	\$68,000.00			01.77	0170,700.00
	HAUL FROM SEATTLE HAUL TO YARD	50.0 TONS 100000.0 LBS	\$210.00 \$0.05	\$10,500.00				
	FABRICATE REBAR	100000.0 LBS	\$0.35	1				
	HAUL & PLACE REBAR	100000.0 LBS	\$0.31 \$109,153.35	\$30,653.35 \$0.00				
	STEEL PILES-2' dia	600.0 L.F.	\$118.66	\$71,195.13			\$120.44	\$72,263.06
	BUY - AVE. 47' LONG HAUL FROM SEATTLE	600.0 LF 37.7 TONS	\$111.75 \$110.00	\$67,050.00 \$4,145.13				
			\$71,195.13	\$0.00				
	STEEL PILES-4" dia BUY - AVE. 47' LONG	7980.0 L.F. 8778.0 L.F	\$602.73 \$520.30	\$4,809,761.58 \$4,567,193.40			\$611.77	\$4,881,908.00
	HAUL FROM SEATTLE	2205.2 TONS	\$110.00	\$242,568.18				
505(6B)	DRIVE PILES-2FT	6.0 EA	\$4,809,761.58 \$7,218.57	\$0.00 \$43,311.40			\$7,326.85	\$43,961.07
	DRIVE PILES	6.0 EA	\$5,086.67	\$30,520.00			<b>\$7,522.00</b>	V.0,00
	SPLICE PILES average length =	12.0 EA 100.0	\$1,065.95 \$43,311.40	\$12,791.40 \$4,331,140.00				
505(6C)	DRIVE PILES-4FT	57.0 EA	\$15,638.64	\$891,402.48			\$15,873.22	\$904,773.52
	DRIVE PILES SPLICE PILES	57.0 EA 171.0 EA	\$9,243.00 \$2,131.88	\$526,851.00 \$364,551.48		1		
	average length =	140.0	\$891,402.48	1				
	TRAVELING WORK BRIDGE BUY MATERIAL	2900.0 L.F. 2900.0 L.F.	\$1,264.84 \$397.25	\$3,668,025.00 \$1,152,025.00			\$1,283.81	\$3,723,045.38
	PLACE MATERIAL 2 PIERS	2900.0 LF	\$300.00	\$870,000.00				
	DEVELOP ACCESS FROM N. REMOVE & REINSTALL	1.0 LS 2900.0 LF	\$51,000.00 \$550.00	\$51,000.00 \$1,595,000.00				
			\$3,668,025.00	\$0.00				
	STEEL BRDG, RAIL BUY	5842.0 L.F. 5842.0 LF	\$131,77 \$90.00	\$769,805.17 \$525,780.00			\$133.75	\$781,352.25
1	HAUL	5842.0 LF	\$5.00	\$29,210.00		1		
	INSTALL GROUTE BASES	5842.0 LF 860.0 EA	\$25.72 \$75.05	\$150,274.22 \$64,540.95				
		0.0 CY	\$769,805.17	\$0.00				
	GUARDRAIL/END CONN. BUY	4.0 EA 4.0 EA	\$2,300.00 \$900.00	\$9,200.00 \$3,600.00			\$2,334.50	\$9,338.00
I	HAUL	4.0 EA	\$400.00	\$1,600.00		1		
ı	NSTALL	4.0 EA	\$1,000.00 \$9,200.00	\$4,000.00 \$0.00		1		
511(1) F	RIPRAP CL. II	500.0 CY	\$36.00	\$18,000.00		I	\$36.54	\$18,270.00
	EXC. FOR R.R. HAUL	250.0 CY 650.0 CY	\$20.00 \$8.00	\$5,000.00 \$5,200.00				
	PLACE R.R.	650.0 CY 650.0 TONS	\$12.00	\$7,800.00		ł		
234/21 1	פבט בסטפוטא טטאיד		\$18,000.00	\$0.00		į	C1 70	6000 40
	GEO, EROSION CONT BUY	500.0 SY 550.0 SY	\$1.75 \$1.00	\$875.00 \$550.00		ł	\$1.78	\$888.13
٤	PLACE	550.0 SY	\$0,50	\$275.00		l		
	SUBTOTAL NDIRECT COST	RATE UNITS	UNIT COST	1		-		
	STS		1	\$503,128.75			\$0.00	\$0.00
	TOTALS	<del></del>					.f: \$8,717.13	\$23,335,756.13

ITEM No.	DESCRIPTION	BID QUANTITY UN	UNIT T COST	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	EAST WILDLIFE UNDERCROS							
205(3)	FDTN. FILL EXC. TO SUBGRADE	750 CY 140.0 CY	\$35.13 \$20.00	\$26,351.00 \$2,800.00			\$35,66	\$26,746.27
	HAUL & PLACE FILL	761 CY	\$20.00 \$16.00	\$12,176.00				
	EXC. ABUTMT.S	75 CY	\$15.00	\$1,125,00				
	FILL ABUTMT.S	360 CY	\$25.00	\$9,000.00				
	POROUS BACKFILL	50 CY	\$25.00 \$26,351.00	\$1,250.00			l	
501(1)	CLASS A CONCRETE	150.0 CY	\$739.30	\$110,894.66			\$750.39	\$112,558.08
	SUBSTRUCTURE	CY	\$0.00	\$0.00			1	
	FORMS	1150.0 SF	\$4.44	\$5,108.34			1	
	FORM & STRIP BUY	1150.0 SF 172.5 CY	\$23.65 \$209.12	\$27,196.78 \$36,073.08			ŀ	
	POUR	172.5 CY	\$31.74	\$5,474.42				
	SUPERSTRUCTURE	CY	\$0.00	\$0.00				
	FORMS 4SF/HR FORM & STRIP	1110.0 SF 1110,0 SF	\$4.44 \$23.65	\$4,930.65 \$26,250.81				
	BUY	0.0 CY	\$209.12	\$0.00				
	POUR	0,0 CY	\$31.74	\$0.00				
	FINISH & CURE	1110.0 SF	\$5.28	\$5,860.57				
E04/2\	CLASS A A CONC	46 A CV	\$110,894.66	642 247 24			\$954.26	\$43 POS 03
501(2)	CLASS A-A CONC. SUPERSTRUCTURE	46.0 CY 46.0 CY	\$940.16 \$0.00	\$43,247.31 \$0.00			5954.26	\$43,896,02
	FORMS	850.0 SF	\$4.44	\$3,775.73				
	FORM & STRIP	850.0 SF	\$23.65	\$20,101.97				
	BUY POUR	52.9 CY 52.9 CY	\$226.32 \$55,00	\$11,972.29 \$2,909.50				
	FINISH & CURE	850.0 SF	\$5.28	\$4,487.83				
			\$43,247.31	\$0.00				
		22.51	\$0.00	\$0.00			440 110 00	2442.052.02
501(7A)	PRECAST CONC. "T"S BUY	6.0 EA 6.0 EA	\$67,430.76 \$44,111.00	\$404,584.59 \$264,666.00	•		\$68,442.23	\$410,653.36
	HAUL FROM SEATTLE	340.0 TONS		\$71,400.00				
	HAU L ON SITE	6.0 EA	\$2,667.83	\$16,007.00				
	UNLOAD & STAGE ONSITE	6.0 EA	\$1,403.10	\$8,418.59				
	PLACE BEARING PADS	6.0 EA 12.0 EA	\$4,382.17 \$325.00	\$26,293.00 \$3,900.00				
	GROUTE SHEAR KEY	640.00 LF	\$20.00	\$12,800.00		'		
	JOINTS-ABUTTMT. SAWED +	2.0 EA	\$550.00	\$1,100.00				
		00500 0 1 00	\$404,584.59	\$0.00			24.07	
	REBAR-SUBSTR. BUY	32500.0 LBS 32500.0 LBS	\$1.25 \$0.44	\$40,543.08 \$14,300.00			\$1.27	\$41,151.23
	HAUL FROM SEATTLE	16.3 TONS	\$210.00	\$3,412.50				
	HAUL TO YARD	32500.0 LBS	\$0.05	\$1,625.00				
	FABRICATE REBAR	32500.0 LBS	\$0.35	\$11,243.24				
	HAUL & PLACE REBAR	32500.0 LBS	\$0.31 \$40,543,08	\$9,962.34				
503(2)	EPOXY-REBAR SUPST	15500.0 LBS	\$1.49	\$23,055.93			\$1.51	\$23,401.77
	BUY	15500.0 LBS	\$0.68	\$10,540.00				
	HAUL FROM SEATTLE	7.8 TONS	\$210.00	\$1,627.50				
	HAUL TO YARD FABRICATE REBAR	15500.0 LBS 15500.0 LBS	\$0.05 \$0.35	\$775.00 \$5,362.16				
	HAUL & PLACE REBAR	15500.0 LBS	\$0.31	\$4,751.27				
			\$23,055.93	\$0.00				
		*****	\$0.00	\$0.00			6400.44	0414 500 44
	STEEL PILES-2' dla BUY - AVE. 47' LONG	1200.0 L.F. 1200.0 LF	\$118.66 \$111.75	\$142,390.26 \$134,100.00			\$120.44	\$144,526.11
	HAUL FROM SEATTLE	75.4 TONS	\$110.00	\$8,290.26				
			\$142,390.26	\$0.00		i		
	DRIVE PILES	12.0 EA	\$7,218.57	\$86,622.80			\$7,326.85	\$87,922.14
	DRIVE PILES SPLICE PILES	12.0 EA 24.0 EA	\$5,086.67 \$1,065,95	\$61,040.00 \$25,582.80				
	average length =	100.0	\$86,622.80	\$8,662,280.00				
507(1)	STEEL BRDG. RAIL	340.0 L.F.	\$129.99	\$44,197.85			\$131.94	\$44,860.81
	BUY HAUL	340.0 LF 340.0 LF	\$90,00 \$5.00	\$30,600.00 \$1,700.00		1		
	HAUL INSTALL	340.0 LF	\$5.00 \$25.72	\$1,700.00 \$8,745.85		ŀ		
	GROUTE BASES	42.0 EA	\$75.05	\$3,152.00		1		
		0.0 CY	\$44,197.85	\$0.00		ļ		
	GUARDRAIL/END CONN.	4.0 EA 4.0 EA	\$2,300.00 \$900.00	\$9,200.00			\$2,334.50	\$9,338.00
	BUY HAUL	4.0 EA	\$400.00	\$3,600.00 \$1,600.00		]		
	NSTALL	4.0 EA	\$1,000.00	\$4,000.00		1		
			\$9,200.00	\$0.00		1		
	RIPRAP CL. II EXC. FOR R.R.	1000.0 CY 520.0 CY	\$36.40 \$20.00	\$36,400.00 \$10,400.00		1	\$36.95	\$36,946.00
	HAUL	1300.0 CY	\$20.00 \$8.00	\$10,400.00		1		
	PLACE R.R.	1300.0 TONS	\$12.00	\$15,600.00		ŀ		
			\$36,400.00	\$0.00				
	GEO. EROSION CONT	1000.0 SY	\$1.75	\$1,750.00			\$1.78	\$1,776.25
	BUY PLACE	1150.0 SY 1150.0 SY	\$1.00 \$0.50	\$1,150.00 \$575.00				
	SUBTOTAL	1100.0 01	şu,50	\$515.00		ļ		
	NDIRECT COST	RATE UNITS	UNIT COST	- 1		I		
	ST\$	0.01	1	\$106,007.30			\$0.00	\$0.00
	SURVEYING	0	1 \$ 750.00	\$0.00	<del>*************************************</del>		.f. \$7,567.51	\$983,776.04
	TOTALS	1.096	oe.	1			.i. \$7,567.51 s.i \$229.32	\$903,110.U4

6/5/2009

TEM No.	DESCRIPTION	BID QUANTITY UNIT	UNIT COST	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	WEST WILDLIFE UNDERCRO					······································		
05(3)	FDTN. FILL	800 CY	\$33.75	\$27,001.00			\$34.26	\$27,406.02
	EXC. TO SUBGRADE	155.0 CY	\$20.00	\$3,100.00				
	HAUL & PLACE FILL	761 CY	\$16.00	\$12,176.00				
	EXC. ABUTMT.S	75 CY	\$15.00	\$1,125.00				
	FILL ABUTMT.S	360 CY	\$25.00	\$9,000.00				
	POROUS BACKFILL	50 CY	\$32.00	\$1,600.00				
	CLASS A CONSTITUTE	400.0.00	\$27,001.00	0400 000 40			6700 50	4407 700 0
71(1)	CLASS A CONCRETE	160.0 CY	\$786.72	\$125,875.16			\$798.52	\$127,763.28
	SUBSTRUCTURE	CY	\$0.00	\$0.00				
	FORMS	1332.0 SF	\$4.44	\$5,916.79				
	FORM & STRIP	1332.0 SF	\$23.65	\$31,500.97			Ì	
	BUY POUR	184.0 CY 184.0 CY	\$235.00 \$31.74	\$43,240.00				
	SUPERSTRUCTURE	CY	\$0.00	\$5,839.39 \$0.00				
	FORMS 4SF/HR	1180.0 SF	\$4.44	\$5,241.60				
	FORM & STRIP	1180.0 SF	\$23.65	\$27,906.26				
	BUY	0.0 CY	\$209.12	\$0.00				
	POUR	0.0 CY	\$31.74	\$0.00				
	FINISH & CURE	1180.0 SF	\$5.28	\$6,230.16				
	THIOT & COILE	1100.0 01	\$125,875.16	30,230.10				
1(2)	CLASS A-A CONC.	50.6 CY	\$906.81	\$45,884.59			\$920.41	\$46,572.86
	SUPERSTRUCTURE	50.6 CY	\$0.00	\$0.00			V020.77	V 10,012.00
	FORMS	925.0 SF	\$4,44	\$4,108.88				
	FORM & STRIP	925.0 SF	\$23.65	\$21,875.67				
	BUY	58.2 CY	\$226.32	\$13,169.52				
	POUR	58.2 CY	\$31.74	\$1,846.71				
	FINISH & CURE	925.0 SF	\$5.28	\$4,883.81		i		
			\$45,884.59	\$0.00				
			\$0.00	\$0.00				
1(7A)	PRECAST CONC. "T"S	6.0 EA	\$59,916.76	\$359,500.59			\$60,815.52	\$364,893.10
	BUY	6.0 EA	\$36,947.00	\$221,682.00				
	HAUL FROM SEATTLE	330.0 TONS	\$210.00	\$69,300.00				
	HAU L ON SITE	6.0 EA	\$2,667.83	\$16,007.00		- 1		
	UNLOAD & STAGE ONSITE	6.0 EA	\$1,403.10	\$8,418.59		1		
	PLACE	6.0 EA	\$4,382.17	\$26,293.00		1		
	BEARING PADS	12.0 EA	\$325.00	\$3,900.00				
	GROUTE SHEAR KEY	640.00 LF	\$20.00	\$12,800.00		_		
	JOINTS-ABUTTMT. SAWED +	2.0 EA	\$550.00	\$1,100.00				
			\$359,500.59	\$0.00				
	REBAR-SUBSTR.	35000.0 LBS	\$1.25	\$43,661.78		1	\$1.27	\$44,316.71
	BUY	35000.0 LBS	\$0.44	\$15,400.00		1		
	HAUL FROM SEATTLE	17.5 TONS	\$210.00	\$3,675.00		į.		
	HAUL TO YARD	35000.0 LBS	\$0.05	\$1,750.00				
	FABRICATE REBAR	35000.0 LBS	\$0.35	\$12,108.11		•		
	HAUL & PLACE REBAR	35000.0 LBS	\$0.31	\$10,728.67				
			\$43,661.78					
	EPOXY-REBAR SUPST	16000.0 LBS	\$1.49	\$23,799.67			\$1.51	\$24,156.67
	BUY	16000.0 LBS	\$0.68	\$10,880.00				
	HAUL	8.0 TONS	\$210.00	\$1,680.00		1		
	HAUL TO YARD	16000.0 L8S	\$0.05	\$800.00		l l		
	ABRICATE REBAR	16000.0 LBS	\$0.35	\$5,535.14		· · · · · · · · · · · · · · · · · · ·		
	HAUL & PLACE REBAR	16000,0 LBS	\$0.31	\$4,904.54		ŀ		
			\$23,799.67	\$0.00		1		
		4000 0 / 5	\$0.00	\$0.00		1		****
	STEEL PILES-2' dia	1200.0 L.F.	\$118.66	\$142,390.26		1	\$120.44	\$144,526.11
	3UY -	1200.0 LF	\$111.75	\$134,100.00		1		
	HAUL FROM SEATTLE	75.4 TONS	\$110.00	\$8,290.26		1		
ezets i	anue ni ce	400 50	\$142,390.26	\$0.00			20.200.52	007.000.44
	DRIVE PILES	12.0 EA	\$7,218.57	\$86,622.80		1	\$7,326.85	\$87,922.14
	ORIVE PILES	12.0 EA	\$5,086.67	\$61,040.00				
	SPLICE PILES	24.0 EA	\$1,065.95	\$25,582.80				
	iverage length =	100.0	\$86,622.80	644 600 00		i	C400.00	A40.057.70
	STEEL BRDG. RAIL	320.0 L.F.	\$130.10	\$41,633.29		i	\$132.06	\$42,257.79
	BUY	320.0 LF	\$90.00	\$28,800.00				
	HAUL	320.0 LF	\$5.00	\$1,600.00				
	NSTALL SPOUTE DAGES	320.0 LF	\$25.72	\$8,231.38		1		
(	SROUTE BASES	40.0 EA	\$75.05	\$3,001.90		1		
6/12) /	SUARDRAIL/END CONN.	0.0 CY	\$41,633.29	\$0.00		1	\$3 334 EU	60 222 22
		4.0 EA	\$2,300.00	\$9,206.00			\$2,334.50	\$9,338.00
	BUY	4.0 EA	\$900.00	\$3,600.00		1		
	HAUL	4.0 EA	\$400.00	\$1,600.00		1		
l:	NSTALL.	4.0 EA	\$1,000.00	\$4,000.00		l		
	TIDTOTAL		\$9,200.00	\$0.00		1		
	UBTOTAL	0470 15100	111117 0000			İ		
	NDIRECT COST		UNIT COST	2/2/11/22		1		
	ITS BURVEYING	0.01		\$18,111,38		i	\$0.00	\$0.00
-	TIKVEYING	0 1	\$ 750.00	\$0.00				
	OTALS	<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>		•			f \$7,659.61	\$919,152.67

ITEM No.	DESCRIPTION	BID QUANTITY UN	UNIT IT COST	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	SLATE CREEK BRIDGE - 290 F FDTN. FILL	T 1300 CY	\$43.03	\$55,940.00			\$43.68	\$56,779.10
200(0)	EXC. TO SUBGRADE	585.0 CY	\$20.00	\$11,700.00			343.00	330,713.10
	HAUL & PLACE FILL	1690 CY	\$16.00	\$27,040.00				
	EXC. ROCK @ ABUTMT.S FILL ABUTMT.S	0 CY 420 CY	\$15.00 \$35.00	\$0.00 \$14,700.00				
	POROUS BACKFILL	50 CY	\$50.00	\$2,500.00				
501(1)	CLASS A CONCRETE	283.2 CY	\$55,940.00 \$558.14	\$158,065.38			\$566.51	\$160,436.38
301(1)	FORMS 4SF/HR	2386.0 SF	\$4.44	\$10,598.69			3000.51	\$100,430.30
	FORM & STRIP	2386.0 SF	\$23.65	\$56,427.41			İ	
	BUY POUR	325.7 CY 325.7 CY	\$209.12 \$31.74	\$68,105.98 \$10,335.71				
	FINISH & CURE	2386.0 SF	\$5.28	\$12,597.59				
			\$158,065.38		,		1	
501(2)	CLASS A-A CONC. SUPERSTRUCTURE	45.0 CY 0.0 CY	\$910.37 \$0.00	\$41,877.20 \$0.00			\$924.03	\$42,505.36
	FORMS	840.0 SF	\$4,44	\$3,731.31				
	FORM & STRIP	840.0 SF	\$23.65	\$19,865.48				
	BUY POUR	52.9 CY 52.9 CY	\$226.32 \$31.74	\$11,972.29 \$1,678.82				
	FINISH & CURE	52.9 SF	\$5.28	\$279.30				
	DRAINS @ PIERS-2 SIDES	6.0 EA	\$725.00	\$4,350.00				
E01/741	PRECAST CONC. "T"S	12,0 EA	\$41,877.20 \$71,450.76	\$0.00			670 500 50	6070 070 04
JVI(/A)	BUY	12.0 EA	\$44,111.00	\$857,409.18 \$529,332.00			\$72,522.53	\$870,270.31
	HAUL FROM SEATTLE	894.0 TONS	\$210.00	\$187,740.00				
	HAU L ON SITE UNLOAD & STAGE ONSITE	12.0 EA	\$2,667.83	\$32,014.00			l	
	PLACE	12.0 EA 12.0 EA	\$1,403.10 \$4,382.17	\$16,837.18 \$52,586.00			!	
	BEARING PADS	24.0 EA	\$325.00	\$7,800.00			İ	
	GROUTE SHEAR KEY	1500.00 LF	\$20.00	\$30,000.00				
	JOINTS-ABUTTMT. SAWED +	2.0 EA	\$550.00 \$857,409.18	\$1,100.00 \$0.00				
503(1)	REBAR-SUBSTR. BUY	50633.0 LBS	\$1.25	\$63,163.63			\$1.27	\$64,111.08
	HAUL FROM SEATTLE	50633.0 LBS 25.3 TONS	\$0.44 \$210.00	\$22,278.52 \$5,316.47				
	HAUL TO YARD	50633.0 LBS	\$0.05	\$2,531.65				
	FABRICATE REBAR	50633.0 LBS	\$0.35	\$17,516.28				
	HAUL & PLACE REBAR	50633.0 LBS	\$0.31 \$63,163.63	\$15,520.71 \$0.00				
03(2)	EPOXY-REBAR SUPST	19175.0 LBS	\$1.49	\$28,522.42			\$1.51	\$28,950.25
	BUY	19175.0 LBS	\$0.68	\$13,039.00				
	HAUL HAUL TO YARD	9.6 TONS 19175.0 LBS	\$210,00 \$0.05	\$2,013.38 \$958.75				
	FABRICATE REBAR	19175.0 LB\$	\$0.35	\$6,633.51				
	HAUL & PLACE REBAR	19175.0 LB\$	\$0.31	\$5,877.78				
06/641	CTCCI DU EC DO14-147	700 0 1 5	\$28,522.42	\$0.00			604.00	222 224 22
	STEEL PILES-HP14x117 BUY -	788,0 L.F, 788.0 L.F.	\$82,85 \$70.50	\$65,285.05 \$55,554.00			\$84.09	\$66,264.33
	HAUL FROM SEATTLE	46.3 TONS	\$210.00	\$9,731.05				
		LBS	\$0.00 \$65,285.05	\$0.00				
05(5B)	STEEL PILES-2' dia	L.F.	\$05,205.05	\$0.00			\$0.00	\$0.00
	BUY - AVE. 47' LONG	0.0 LF	\$125.00	\$0.00			-	
	HAUL FROM SEATTLE	0.0 TONS	\$550.00 \$0.00	\$0.00 \$0.00				
05(5C)	STEEL PILES-4' dia	296.4 L.F.	\$547.93	\$162,407.53			\$556,15	\$164,843.65
	BUY -	296.4 LF	\$520.30	\$154,216.92				
	HAUL FROM SEATTLE	74.5 TONS	\$110.00 \$162,407.53	\$8,190.61				
05(6A) I	DRIVE PILES-HP14x117	6.0 EA	\$3,609.28	\$0.00 \$21,655,70			\$3,663.42	\$21,980.54
	DRIVE PILES	6.0 EA	\$2,543.33	\$15,260.00		I		
	SPLICE PILES average length =	6.0 EA 49.4	\$1,085,95 \$21,655.70	\$6,395.70 \$1,069,791.58				
	DRIVE PILES-4FT	6.0 EA	\$5,875.88	\$35,255.28			\$5,964.02	\$35,784.11
	DRIVE PILES	6.0 EA	\$3,744.00	\$22,464.00				
	SPICES PILES average length =	6.0 EA 49.4 LF	\$2,131.88 \$0.00	\$12,791.28		l		
•	average lengin =	49.4 LF	\$35,255.28	\$0.00 \$6.00		Ī		
07(1) \$	STEEL BRDG. RAIL	660.0 L.F.	\$131.41	\$86,731.71			\$133.38	\$88,032.68
	BUY	660.0 LF	\$90.00	\$59,400.00				
	HAUL INSTALL	660.0 LF 660.0 LF	\$5.00 \$25.72	\$3,300.00 \$16,977.23		1		
	GROUTE BASES	94.0 EA	\$75.05	\$7,054.48				
		0.0 CY	\$86,731.71	\$0.00		l l		
	GUARDRAIL/END CONN, BUY	4.0 EA 4.0 EA	\$2,300.00 \$900.00	\$9,200.00 \$3,600.00			\$2,334.50	\$9,338.00
	HAUL	4.0 EA	\$400.00	\$1,600.00		Į.		
	NSTALL	4.0 EA	\$1,000.00	\$4,000.00		1		
15(1)	RIPRAP CL. II	0.0 CY	\$9,200.00 \$0.00	\$0.00 \$0.00		I	60.00	***
	EXC. FOR R.R.	0.0 CY	\$0.00 \$0.00	\$0.00		I	\$0.00	\$0.00
H	HAUL	0.0 CY	\$0.00	\$0.00				
F	PLACE R.R.	0.0 TONS	\$0.00	\$0.00		I		
11(2) 6	GEO. EROSION CONT	0.0 SY	\$0.00 \$0.00	\$0.00 \$0.00		I		
	BUY	0.0 SY	\$0.00	\$0.00		1	\$0.00	
P	PLACE	0.0 SY	\$0.00	\$0.00			\$0.00	
	SUBTOTAL NDIRECT COST	RATE UNITS	INIT COST	1			\$0.00	CO 00
	NDIRECT COST STS		UNIT COST 1	\$42,408.18		1	\$0.00 \$0.00	\$0.00 \$0.00
	OTALS						f. \$5,549.30	\$1,609,295.77
		1.0963	ie.			ls.		

| S168.16 | TOTAL COST: \$45,672,475.10 | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE | COST / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZONE / ZON

No.  EQUIP. DESCRIPTION  1 4MAN WIPICKUIP 8  1 CRANE 0  0 OILER 0  1 VIBR. HAMMER ##  45T CRANE 60  1 VIBR. HAMMER ##  1 CRW.TRK 12  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 33  1 LULL 34  1 LULL 33  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 33  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34  1 LULL 34	12 0 0 2,					
1	RENT	EQUIP. OPER COST	MATL	LABOR COST	TRUCKING O/S RENT	TOTAL. HOURLY
1 CRANE ##   0 OILER   ##   1 A5T CRANE   ##   1 A5T CRANE   60     1 VIBR. HAMMER   ##   1 A5T CRANE   60     1 A5T CRANE   60     1 A5T CRANE   60     1 A5T CRANE   60     1 A5T CRANE   60     1 A5T CRANE   60     1 A5T CRANE   60     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     2 A5T CRANE   80     3 A5T CRANE   80     4 A5T CRANE   80     5 A5T CRANE   80     6 A5T CRANE   80     7 A5T CRANE   80     8 A5T CRANE   80     9 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1 A5T CRANE   80     1	P 8 \$8.00	\$12.00 0	\$0.00 59	\$58.50 0	00.03	£79 £0
O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   O OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER   OILER	€9	\$65.00	\$20.00 56	\$56.00	80.08	5376 O
PILE BUCKS	0 \$0.00	80.00	\$0.00 53		80.08	\$0.00
1   1   45T CRAMER ##   #   1   1   45T CRAMER   ##   1   1   45T CRAMER   60   1   1   1   1   1   1   1   1   1	0 \$0.00	80.00	\$20.00 54	-	\$0.08	4138.5
1 45F CRANE 60   12 MUD MATS 8   1 1 LULL 33   1 1 SERVICEMECH 25   0.5	#		\$0.00 50	\$0.00	\$0.00	\$130.00
1 CRW/TRK   12   12   12   12   13   1   14   15   15   15   15   15   15	60 \$60.00	935.00	\$0.00 56		\$0.00	\$151.00
1	12 \$12.00	\$15.00	\$5.00 54	\$54.00 0	\$0.00	\$86.00
1   1   1   1   1   1   1   1   1   1	8 \$96.00		\$0.00 50			\$144.00
1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SEKVICEMBECH 25   1 SE	33	\$25.00	\$0.00 54			\$112.00
MINUTES 8.5 TOT HRLY COST 8  8 CRWHR 44 TOT COST 822, 8 CRWHR 44 TOT COST 822, 8 0.00 0.00 0.00 820, 81 0 \$80.00 TRUCKING RI 0.666667 0.03243 NO.TRKS C 9.333333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.433333 0 ADJ NO.TRKS C 9.44 A A A A A A A A A A A A A A A A A A	25 \$25.00		\$10.00 55			\$115.00
MINUTES 8.5 TOT HRLY COST  8 CRWHR 44 TOT COST  8 CRWHR 44 TOT COST  8 CRWHR 44 TOT COST  8 0.00  12 \$0.00  81 0 \$80.00  RI 0.666667 0.032143 NO.TRKS  9 9.333333 0 ADJ NO. TRKS  1N QTY HRS UNIT COST  1 A 4 TRKNG COST/TON=  6.00 20 PRODUCTION RATES QUAN  1 ABUT  0 2-ABUT  10 0 2-ABUT  10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		\$15,00	\$0.00 55	\$27.50 0	\$0.00	\$67.50
35 EQ HRS 40  10 0.00  11 \$0.00  12 \$0.00  12 \$0.00  12 \$0.00  13 \$0.00  14 \$0.00  15 \$0.00  16 \$0.00  17 \$0.00  18 \$0.00  19 \$0.00  19 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10 \$0.00  10	7 COST \$554.00	\$260,00	\$55.00	\$469,00	\$0.00	\$1,338.00
# 30 4 HRS MOVE BETW. ## 0.000 # 30 4 HRS MOVE BETW. ## 12 \$0.00 # 12 \$0.00 # 10 \$80.00 TRUCKING # 0.032143 NO.TRKS # 0.032143 NO.TRKS # 0.032143 NO.TRKS # 0.032143 NO.TRKS # 10 \$0.000 TRUCKING # 4 4 4 TRKNG COST/TON= # 6.00 20 PRODUCTION RATES QUAN # 1-ABUT # 0 1-ABUT # 0 2-ABUT # 0 0 # 0 0 # 0 0			\$2,420.00	\$20,635,00	80.00	\$23,056,00
# 30 0.00 # 12 \$0.00 12 \$0.00 12 \$0.00 81 0 \$80.00 TRUCKING R! 0.666667 0.032143 NO.TRKS C 9.333333 0.4RS IN QTY HRS UNIT COST 6.00 20 PRODUCTION RATES QUAN 6.00 20 PRODUCTION RATES QUAN 6.00 20 PRODUCTION RATES QUAN 6.00 20 PRODUCTION RATES QUAN 6.00 2.4BUT 7	\$22,160.00	\$10,400.00				\$32,560.00
# 30 4 HRS MOVE BETW. ##  12 \$0.00 12 \$0.00 81 0 \$80.00 TRUCKING RI 0.666667 0.032143 NO.TRKS C 9.333333 0.00 TRUCKING IIM QTY HRS UNIT COST IIM QTY HRS UNIT COST 6.00 20 PRODUCTION RATES QUAN 6.00 20 PRODUCTION RATES QUAN 7.48UT 0 2.48UT 0 2.48UT 0 2.48UT 0 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0	00 00	ő	80.00			\$0.00
0   \$0.00	1	\$0.00	\$0.00	\$0.00		\$0.00
12			## 00'00's	7380		\$5,424.00
Ri			80.00			00:04
Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Construction   Cons	O				80.00	20.03
( 9.33333				•		\$0.0
TOT COST  4 4 4 TRKNG COSTTON= 6.00 20 PRODUCTION RATES QUAN 0 1-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 2-ABUT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FRKS					\$0.0
4 4 TRKNG COST/TON= 6.00 20 PRODUCTION RATES QUAN 0 1-ABUT 0 2-ABUT 0 2-ABUT 0 PIER 0 0 0 0 44		\$11,324.00	\$2,576.00	\$23,016.00	\$0.00	\$61,040.00
g. 000004	OST/TON= \$0.00				20.00	0.000,00
000004	TION RATES QUANTITY	RATE	SECON			
00004			20.00	3.33333333 HRS/PIL≅	S/PIL≅	
004:	00.0		0.00			
44	<b>©</b>	40	000			
44	0		0.00			
**				short piles	sawmill	\$2,543.33
ADJ EQ HOURS = 40	5,HOOK = 0.3					

Appendix - Costs

TO. OTY THICK.		<u> </u>	٠ و	600	<u>!</u>	51.00					
<b>Манулирова</b>	2	No. MEN	No. EQUIP.	DESCRIPTION		RENT	EQUIP. OPER COST	MATL	LABOR COST	TRUCKING 0/S RENT	TOTAL HOURLY
		1	-	4MAN WIPICKUF	8	\$8,00 12	\$12.00 0	\$0.00 59		80.08	\$78 50
		<b>-</b> c	<i></i> د	CRANE	<b>非</b> '		\$65.00 20	\$20.00 56	\$56.00 0	\$0.00	\$326.00
		۰ د	:	OLEK	0 0		\$0.00	\$0.00 53	\$0.00	80.00	\$0.00
		10	۷ ۳	HAMMER	> ‡	\$130 CO	\$0.00 10	\$20.00 54	\$108.00	\$0.00	\$128.00
		· <del></del>	٠.	45T CRANE	£ 09	\$60,00 35	\$35.00	80.00 50		\$0.00 \$0.00	\$145.00
		<del></del> (	<del>-</del> !	CRW.TRK	12		\$15.00 5	\$5.00 54	\$54.00	\$0.05	586.00
		<b>5</b> 7	, <u>,</u>	MUD MATS	ထ န		\$48.00 2	\$0.00 50	\$0.00	\$0.00	\$144.00
				LULL TRK & TRAII FR	88	\$33.00 25	\$25.00 0	\$0.00 54	\$554.00 0	\$0.00	\$112.00
T.A.D.	÷	6.5	0.5	SERVICE/MECH	22		\$12.50 10	\$5.00 55		\$0.00 \$0.00	\$135.00
ATTENIA COLUMN	<u>*</u> "	2 5		TOT LIDI V COC							
۵		CRWHR	442	TOT COST	_	\$566.50	\$277.50	\$50.00	\$469.00	\$0.00	\$1,363.00
0		EQ HRS	395	395		\$223,767.50	\$109,612.50	\$2.5, 100.00	00.882,1026	20.03	\$229,398.00
XX.0.0	<b>ω</b> ς	8				;		\$0.00			\$0.00
RETURN	8	3. 4.		MOVE BETW.	#	\$0.00 1964 ##	\$0.00	\$0.00	\$0.00		\$0.00
WAIT	0	۵ ټ	0.00					\$0.00			\$5,484.00 \$0.00
TOTAL	2	, o	\$80.00	\$0.00 \$80.00 TRUCKING				\$0.00		;	\$0.00
		ı								\$0.00	\$0.00
LD/HR/TRI 0.666667 TPH/TRK 9.333333	3333		0.0299	0.0299 NO.TRKS 0 ADJ NO. TRKS				٠.			\$0.00 \$0.00
CREW TIN QTY MOB	# 88	HRS 55		TOT COST UNIT COST TRKNG COST/TON=	=NC	\$225,731.50 \$4,426.11 \$0.00	\$110,596.50 \$2,168.56	\$22,256.00 \$436.39	\$209,678.00 \$4,111.33	\$0.00	\$568,262.00 \$11,142.39
	51.00	702 0 0 20		PRODUCTION RATES QUANTITY 1-ABLIT	ATES Q1	JANTITY 6.7 EA	RATE	HOURS	:	:	
		000		2-ABUT PIER		51.00 T.		285.00 0.00 102.00	lang piles short iles	\$9,243.00 \$3,744.00	
CLEANUP		00				000	4 CV S	0.00			
TOTAL ADJI CREW HOUR	ρ	442 55 5		NOT CAROLINA	; (	> !		A:0.			
ADJ EQ HOURS	<u> </u>	382		AVG LUNS/HOUR ::	!! *£	0.279069767					

Men Men 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		4		4					
	No. EQUIP.	P. DESCRIPTION		RENT	EQUIP. OPER COST	MATIL. COST	LABOR COST	TRUCKING O/S RENT	TOTAL
	0 (	4MAN WIPICKUP	8	\$0.00 12	\$0.00 0	\$0.00 59	- 11	0 \$0.00	00 0\$
, 40	<b>&gt;</b> C	CRANE	非'	\$0.00 65	\$0.00 20	\$0,00 56	\$0.00		\$0.00
	> <del>-</del>	OLER	0 0	\$0.00 \$0.00 \$0.00	\$0.00 2	\$0.00 53	_		\$0.00
>	- c	IKONWORKERS	0 ‡	\$0.00 \$0.00 \$0.00	\$0.00 10	\$40.00 54			\$256.00
C	o c	AST CRANE	‡ °	80.00 20	\$0.00 0	\$0.00 50	\$0.00		\$0.00
• •	٠,	CRWTRK	<b>⇒</b> ¢			50.00 56			\$0.00
• •	- C	MID MATS	<u>1</u> <	\$12.00 TS	\$15.00 5	\$0.00 54		00.00	\$27.00
***		1111	r c			\$0.00 50.00 50.00			\$0.00
0	Ģ	TRK & TRAILER	ာ ငူ	2000		\$0.03		00.00	\$54.00
0	0	CONC, TRKS	8 8	80.00	\$0.00 80.00 80.00 80.00	\$0,00 55	20.00	00.00	20.00
T.A.D. 14						00 00'00	00:04	00.00¢	\$0.00
LOAD MINUTES		TOT HRLY COST 44 TOT COST		\$12.00	\$15.00	\$40.00	\$270.00	\$0.00	\$337.00
35 EQ HRS		- S		40000		\$1,760,00	511,880.00	\$0.00	\$13,640,00
				4400.00	\$500.00	ć		•	\$1,080,00
0	0.00			00 05	00 03	90.00	0		\$0.00
R S	0 HRS	MOVE BETW.	#	1	0.00	20.00	20.0g		00.0\$ \$0.00
			:	5	ŝ	# 00.00 # 00.00	<b>~</b>		80.00
42		\$0.00				\$0.00			90.00
JOIAL 81	0 \$80.	\$80.00 TRUCKING						60.08	00.00
								00.00	20.04
LD/HR/TRI 0.666667 TPH/TRK 9.333333	113.74	113.7447 NO.TRKS 0 ADJ NO. TRKS							80.00
		TOT COST		\$480.00	\$600.00	\$1.760.00	\$11 880 00	00.03	\$44.700.00
₹ 4	., <del>2</del>	UNIT COST TRKNG COST/TON=	<u> </u>	\$0.01	\$0.01	\$0.04	\$0.28	\$0.00	\$0.35
875.00	375 25	ערודויאויה פפדאם וארודייי ומרשם	500		į			PER LB	
	129	1-ABUT	ES COA	875 #	KAI'E 160 H/F	HOURS			
	0	2-ABUT		875 #	160 H/E	5.47			
	<b>-</b>	PER		40800.00 #	1400 H/E	29.14			
CLEANUP	. 0			ေင	4 ¢	0.00			
SO EX	0 3			0	009	00:0			
EW HOI IR	984	TONO TOWN		***************************************					
	<b>4</b>	とうつけんぎょうこ かくれ		1061.617287					

No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.	MAOL & FLACE REBAR CAGE QUANTITY 42550 T.O. OTY 0 THICK.	REBAR 42	R CAGE 42550 0		ABUT ABUT. 875 875 0 0 2'	딥	PILES & CAPS 40800.00 4					
Column		- 2	İ	No. EQUIP.	DESCRIPTION		RENT	EQUIP. OPER COST	MATL. COST	LABOR	TRUCKING O/S RENT	TOTAL
1   1   1   1   1   1   1   1   1   1			0	0	4MAN W/PICKUP	8		\$0.00	\$0.00 59	0000	0000	
CONC. PUMP   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON   STORON			τ.	-	CRANE	華		\$65.00	S20.00 23	258 00 873	\$0.00	80.00
Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Colo			0 (	ο.	OILER	0		\$0.00	\$0.00 53	0008	30.00	00.0254
Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Colo			7 (	···	RONWORKERS	0		\$0.00	\$20.00 54	8108.00	00.00	90.UC
CRW_TRAK   1			<b>-</b> (	0 0	CONC. PUMP	鞋		\$0.00	\$0,00 50			9128.U
1			<b>,</b>	<b>&gt;</b> 7	45 CRANE	0 !		\$0.00	\$0.00 56			5.00
1			<b>,</b>	- c	CKW. KK	£ .		\$15.00	\$0.00 54			\$27.00
1			· -	> ~	MUD WATS	4 (		\$0.00	\$0.00 50			\$0.00
MINUTES   SOURCE TRINGS   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTION   SOURCE SECTI					TRK & TRAILED	> ç		\$0.00	\$0.00 54			\$54.00
MINUTES  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  B CRWHR  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO 100  CO	C	ž	0	0	CONC, TRKS	88		\$30.00	\$0.00 55 \$0.00 55			\$135.00
SECRET   STOT HRLY COST   S247.00   \$110.00   \$273.00   \$0.00   \$1.00		± [		The second second							90.00	5.5% 5.5%
SEC HRS   19   \$4,693.00   \$2,090.00   \$80.00   \$65.7     O		S CRI	S WHR	8	TOT HRLY COST		\$247.00	\$110.00	\$40.00	\$273.00	\$0.00	\$670.00
86,72 2 0 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8 0.00 8	ဝ္ပ	35 EQ	HRS	6			000000		\$800.00	\$5,460.00	\$0.00	\$6,260.00
0 0,000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000	D.TRK	ထ		?			00.080,44	\$2,090.00	;			\$6,783.00
1972   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   174   175   175   174   175   174   175   174   175   174   175   174   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175   175	D.TRLR	0	00'0				60	9	\$0.00			\$0.00
0   0   0   0   0   0   0   0   0   0	RETURN	ଛ	I	RS.	MOVE BETW	#	20.04	90.0¢	\$0.00	\$0.00		30.00
42550 \$0.00	WAIT		0	\$0.00		:		<b>-</b>	\$0.0¢	0		\$0.00
S   0   \$80.00 TRUCKING   \$0.00			42550	\$0.00	•				8,8			\$0.00
9.33333 2666543 NO.TRKS 9.33333 0.400 NO. TRKS 9.33333	10.2	25	0	\$80.00	TRUCKING						60	30.04 0.00
9.333333 0 ADJ NO. TRKS 9.333333 0 ADJ NO. TRKS 0 ADJ NO. TRKS  QTY HRS UNIT COST \$4,693.00 \$2,090.00 \$800.00 \$6,1460.00 \$0.00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$13,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$10,00 \$											90.00	20.02
QTY         HRS         TOT COST         \$4,693.00         \$2,090.00         \$800.00         \$5,460.00         \$0.00           1.74917         TRKNG COST/TON=         \$0.11         \$0.05         \$0.05         \$0.13         \$0.00           875.00         3.64583         PRODUCTION RATES QUANTITY         RATE.         HOURS         HOURS         PER LB           40800.00         10.2         1-ABUT         875 #         240 HE         3.65         BER LB           0         2-ABUT         875 #         240 HE         3.65         BER LB           0         PIER         40800.00 #         4000 HE         10.20         BER LB           0         0         4000 HE         10.20         BER LB         240 HE         3.65           10.2         0         0         4000 HE         10.20         BER LB         0.00         BER LB           10.2         0         0         4000 HE         10.20         BER LB         0.00         BER LB           10.2         0         0         0         0         0         0         0           10.2         0         0         0         0         0         0         0				60. <b>63</b> 43 0	NO.TRKS ADJ NO. TRKS				٠			\$0.00 \$0.00
### PRODUCTION RATES QUANTITY RATE. HOURS ####################################		HY H 13167 1.7	IRS 74917		TOT COST UNIT COST TRKNG COST/TOI		\$4,693.00 \$0.11 \$0.00	\$2,090.00 \$0.05	\$800.00	\$5,460.00 \$0.13	\$0.00	\$13,043.00
00 10.2 1-ABUT 875 # 240 HE 24ABUT 875 # 240 HE 240 HE 600 HE 600 19.2408 AVG TONS/HOUR = 2432.586946		75.00 3.E 875 3.6	4583		PRODUCTION RA	TESOU		0 H	i C	-	PER LB	
19.2408 AVG TONS/HOUR = 2432.586946 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a 4000 Hit and a			0.2 0.0		1-ABUT 2-ABUT			240 H/E 240 H/E	3.65 3.65 3.65			
0 4 0 0 2 0 0 600 19.2408 AVG TONS/HOUR = 2432.586946			<b>&gt;</b> C		PER		40800.00 #	4000 H/E	10.20			
19.2408	CLEANUP		000				<b>50</b> 0	4 0 0	0.00			
20 AVG TONS/HOUR =	rotal						•		0.00			
	ADJ CREW HOL	ਜ ।	8 5	•	AVG TONS/HOUR	41	2432,586946					

		, o	0	0 0 0							
		MEN.	No. EQUIP.	DESCRIPTION		WP Co. RENT	EQUIP. OPER COST	MATL. COST	LABOR COST	TRJCKING O/S RENT	TOTAL HOURLY
		0	0 8	4MAN WIPICKUF CRANE			\$0.00	\$0.00 59	\$0.00 0 \$112.00 0		\$0.00
		<del>- </del> ₹	۰ -	OILER PILE BUCKS	o c	\$0.00	\$0.00 2	\$2.00 53		\$0.00	\$54.50
		٠ ٨	- ~	TRACTOR			\$50.00	\$0.00 50	\$216.00		\$256.00
		~ <	C4 F	STEERING TRLR		\$30.00 8	\$16.00	\$0.00 \$6			\$158.00
		0	- 0	MUD MATS	Āω			\$0.00 \$0.00 \$0.00	0 0000		\$32.00
			€7	LIGHT PLANTS			230.00	\$0.00 54			\$46.00
					ເນ ເນ	\$0.00 \$0.00 5	\$0.00	\$0.00 55	80.00		\$0.00
T.A.D.	23										
	8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8	ES 11 8 CRWHR 25 EO HRS	80	TOT HRLY COS 60 TOT COST 52	<u></u>	\$438.00	\$206.00	\$42.00 \$2,520.00	\$592.50 \$35,550.00	\$0.00	\$1,278.50
D.TRK	<b>Φ</b> 0	<u>!</u>	;			00.00	7007	\$0.00			\$33,488.00
RETURN	8 9	0 HRS	RS	MOVE BETW.	#	雅 O	\$0.00 0 19	\$0.00 \$0.00 ##	\$0.00 0		\$0.00 \$0.00
I TO	>	5	\$0.00					\$0.00 \$0.00			\$0.00
TOTAL	Σ	0	\$80.00	\$80.00 TRUCKING						\$0.00	\$0.00
LD/HR/TRI 0.760563 TPH/TRK 17.49296	)563 3296	O	057166	0.057166 NO.TRKS 0 ADJ NO. TRKS							\$0.00 \$0.00
CREW TIN QTY MOB	5.1	HRS 5.1		TOT COST UNIT COST TRKNG COST/TON=	TON=	\$22,776.00 \$446.59 \$0.00	\$10,712.00 \$210.04	\$2,520.00 \$49.41	\$35,550.00	\$0.00	\$71,558.00
1-LIFT 2-LIFT TOP FLARE	<del>ن</del> 0	£0000		PRODUCTION RATES QUANTITY 1-LIFT	RATESQ		RATE	HOURS 51.00 0.00			
FABRIC CLEANUP		0000		LOP FLARE D/W FABRIC		⊬ ••••• •	0.0 0.0 4.	000 000 000 000 000 000 000 000 000 00			
TOTAL ADJ CREW HOUR ADJ EO HOURS =	Œ U	86.1 1.88		AVG TONS/HOUR =	UR.	· <del>·</del>		}			

	TOTAL HOURLY	\$83.50 \$61.20 \$0.00 \$256.00 \$0.00 \$32.00 \$144.00 \$46.00 \$0.00	\$0.00 \$1,173.50 \$1,530.00 \$12,699.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$26.283.00 \$4,382.17
	TRUCKING O/S RENT	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0000\$ 0000\$ 0000\$	\$3860.00 \$1860.00
	LABOR COST	\$58.50 0 \$112.00 0 \$216.00 0 \$2.00 0 \$0.00 0 \$0.00 0 \$0.00 0	\$386.50 \$7,730.00 \$0.00 \$0.00 2380	\$10,110.00 \$1,685.00
	MATL. COST	\$0.00 55 \$0.00 55 \$0.00 55 \$0.00 55 \$0.00 55 \$0.00 55 \$0.00 55 \$0.00 55	\$40.00 \$800.00 \$0.00 \$76.00 \$0.00 \$0.00	\$876.00 \$145.00 HOURS 15.00 0.00 0.00 0.00
	EQUIP. OPER COST	\$15.00 0 \$130.00 0 \$0.00 2 \$0.00 10 \$0.00 0 \$0.00 0 \$20.00 5 \$30.00 0 \$30.00 0		\$4,755,00 \$792.50 RATE 0.4 TA- 90 TA- 0.1 TA- 0.1
	WP Co. RENT	\$10.00 15 \$270.00 65 \$0.00 0 \$0.00 15 \$0.00 12 \$12.00 20 \$16.00 15 \$16.00 15	\$504.00 \$8,568.00 \$0.00 1024 ##	\$9,592.00 \$1,598.67 \$160.00 NTITY & T 0 T 0 D 0 0
T baselift 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. DESCRIPTION	4MAN WIPICKUP 10 CRANE ## OILER 0 PILE BUCKS 15 15 CRW.TRK 12 MUD MATS 8 LIGHT PLANTS 8	TOT HRLY COST 20 TOT COST 17 17 18S MOVE BETW. ## \$0.00 \$0.00 \$80.00 TRUCKING 0.022866 NO.TRKS 0 ADJ NO. TRKS	TOT COST SOFE UNIT DOST TRKNG COST/TON=\$1 PRODUCTION RATES QUANTITY 1-LIFT 2-LIFT TOP FLARE DAW FABRIC AVG TONS/HOUR =
SETTING BEAMS  TY  0 0	No. No. MEN EQUIP.	- 404000	MINUTES 7 25 EQ HRS 17 26 EQ HRS 17 27 28 4 HRS 0 0 \$0.00 71 12 \$80.00 0.760563 0.022866 17.49296 0	QTY HRS 2 2 2 6 6 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SET QUANTITY T.O. QTY THICK			LOAD COAD GO D.TRK D.TRLR PETURN WAIT TOTAL LDARATES 0.7	CREW TIIN QTY MOB 1-LIFT 2-LIFT TOP FLARE DAW FABRIC CLEANUP TOTAL ADJ CREW HOUR ADJ CREW HOUR

QUANTITY T.O. QTY THICK.	1600 0	۵	800 800						•	
	No. MEN	No. EQUIP.	No. EQUIP, DESCRIPTION		WP Co. RENT	EQUIP. OPER COST	MATL. COST	LABOR	TRUCKING O/S RENT	TOTAL
•	1	-	4MAN W/PICKUP	10	\$10.00 15	\$15.00 0	\$0.00.59	\$58.50 O		\$83 KO
	0	0	45 TON	60			80 CO 08			9
	•	0	OILER	0	\$0.00	\$0.00	\$2.00 53	\$52.50	00.03	554.50
	4	-	CARP.	0		•	\$40.00.54	\$216.00	00.00	8358 P
	9.0	0.5	TRK & TRAILER	ଜ			\$0.00 50	\$25.00	00.08	\$5.50.50 \$8.3 50
		ς-	GEN	12	\$12.00 15		\$0.00 56	\$0.00		\$27.00 \$27.00
	<b>,</b>	<del></del>	CRW.TRK	2			\$5.00 54	\$54,00 0		891.0
	0	0	MUD MATS	æ			\$0.00 50			80.00
	~	-	רחוו	g	\$33.00 25		\$0.00 54			\$112.00
		7	LGHT PLANTS	Ç,		\$30.00	\$0.00 55	\$0.00 0	\$0.00	\$50.00
T.A.D. 23			-	ις.	\$0.00	\$0.00 0	\$0.00 55	\$0.00	\$0.00	\$0.0
· MINUTE	8.5		TOT HRLY COST		\$112.00	\$117.50	\$47.00	\$460.00	\$0.00	\$736.50
•	S CXSHX	ń	52 101 COST				\$2,444,00	\$23,920.00	\$0.00	\$26,364.0
GO 25	25 EQ HRS	4D	ç		\$5,600.00	\$5,875.00				\$11,475.00
					į	;	\$0.00			\$0.00
-		Q Q	1000	100	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00		\$0.0
WAIT		25 25 25 25 25 25 25 25 25 25 25 25 25 2	MOVE BELVY.	#	<b>誰</b> つ	0 19	\$0.00 \$0.00 \$0.00	0		\$0.0
		80.00	. 0				80.00			50.0
TOTAL 71	0	\$80.0	S80.00 TRUCKING				ממימפ		6	60.0
									90.00	770
LD/HR/TRI 0,760563 TPH/TRK 17,49296		1.95997	1.959972 NO.TRKS 0 ADJ NO. TRKS							\$0.00
CREW TIN QTY	HRS		TOT COST UNIT COST		\$5,600.00	\$5,875.00	\$2,444.00	\$23,920.00	\$0.00	\$37,839.00
			TRKNG COST/TON=	#	\$0.00		3	) ; ;	00.00	\$53.0
24FT 800	6.666		PRODUCTION RATES OF ANTITY	TESOL	ANTITY	#TAG	90100			
			FORM	3		70.5/F	ACORS 40.00			
FLARE	0		STRIP		800 T.	120 7/1	6.67			
D/W	0		TOP		0 T.	0.1 7/1	0.00			
FABRIC	0		FLARE		0	0.1	0.00			
CLEANUP	0 0		D/W		0	0.1	0.00			
TOTAL	50.6667		PABAIN		0	0.1	0.00			
ADJ CREW HOUR	25		AVG TONS/HOUR =	n	34.28571429					
AND THE THOUSEN	8									

ī	Pr	စ္စ ကြုစ	ପ୍ରୁଦ୍ନୁତ୍ର୍ବ	පු බ්වුණ
TOTAL HOURLY	\$41.75 \$40.00 \$0.00 \$256.00 \$0.00 \$91.00 \$91.00 \$0.00	\$50.00 \$0.00 \$438.75 \$12,393.00	\$3,024.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$15,417.00 \$5.28
TRUCKING O/S PENT	50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00	\$0.00	\$0.00	00.00 <b>\$</b>
LABOR COST	\$29.25 0 \$0.00 0 \$0.00 0 \$2.00 0 \$0.00 0 \$0.00 0 \$54.00 0 \$0.00 0	\$0.00 0 \$0.00 0 \$299.25 \$10,773.00	0 0 0 0	\$10,773.00 \$3.69
MATL	\$0.00 59 \$0.00 55 \$0.00 54 \$0.00 54 \$0.00 56 \$0.00 56 \$0.00 56 \$0.00 56	\$0.00 55 \$0.00 55 \$45.00 \$1,620.00	## 00'0\$ ## 00'0\$ 00'0\$	\$1,620.00 \$0.55 \$0.55 HOURS 20.32 12.38 0.00 0.00 0.00
EQUIP. OPER COST	\$7.50 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 5	11	\$0.00 \$0.00 0 19	\$1.840.00 \$0.63 \$0.63 \$5.87 80 T/F 0.1 T/F 0.1
WP Co. RENT	\$5.00 15 \$0.00 0 \$0.00 0 \$0.00 0 \$0.00 0 \$12.00 0 \$0.00 4 \$0.00 4		\$0.00	\$1,184.00 \$0.41 \$0.00 \$0.00 1930 T. 990 T. 0 T. 0 T. 0 S9.32179513
No. EQUIP.	0.5 4MAN WPICKUP 10 0 45 TON 0 00 LER 1 FINISHERS 0 TRK. & TRAILER 1 GEN 1 GEN 0 MUD MATS 1 CRW.TRK 12 0 MUD MATS 1 CHT LANTE 2 LOTT LANTE 33	TOT HRLY COST 36 TOT COST	HRS \$0 \$0 \$80 \$80	
No. MEN	2 0004000	23 MINUTES 8 CRW 25 EQ H	8 8 22 0 0 71 71	HR8 2.031 20.31 12.3

FINISH - POINT & PATCH SF 2920 1500 T.C. QTY 0 0 0 0 THICK.

	1	H-	<b>.</b>	~ ··		. ~		_	_	_			11.0	_	_	_	_	_	_	_	_		i	li —									
	TOTAL HOURLY		\$85.50	976.00	00 US	\$60.00	\$27.00	\$32.00	\$174.00	\$104.00	\$25.00	\$0.0¢	\$612.75	53,417,50	\$2,168.00	\$0.00	\$0.00	\$0.0	\$0.0	\$0.00	\$0.0	\$0.00		\$5,585.50	\$31.72								
	TRUCKING O'S RENT	00.00	20.00	8.8	80.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	00.0¢	\$0.00	\$0.00							20.00			\$0.00	£0.00 €0.00								
	LABOR COST	0 02023	428.00	\$26.25		\$0.00		\$0.00			0 00 00 00	n 00.00	\$316.75	\$3,167.50			\$0.00	0						\$3,167.50	\$18.00								
	MATE. COST	\$0.00 50	\$0.00 Js	\$1.00 53	\$0.00 54	\$0.00 50	\$0.00 56	\$0.00 54	\$24.00 50	\$0.00 54	\$0.00 55 \$0.00 55	00 00.00	\$25.00	\$250.00	į	\$0.00	\$0.00	# 90.08	20.00	00.06				\$250.00	7+1-9		HOURS	2.30	0.00	0.00	0.0 0.0	7.0	
•	EQUIP. OPER COST	\$15.00 0		\$0.00		\$30.00	\$15.00 0	\$20.00 8		\$25.00 0			\$140.00		\$1,120,00		\$0.00	SS >						\$1,120.00		į	KATE 25 S/F	20 1/4	0.1 T/h	0.1	ස දැ. ද	- Š	
	WP Co.		\$30.00 40				\$12.00 15		4 00.04		\$0.00 50.00		\$131.00	44.0	\$1,048.00	,		能っ						\$1,048,00	\$0.00	ANITETY		46 T.	0 T.	Q ·	00	Þ	23.46666667
TYPCAL BRIDGE 130 46 0 0 0 0	o. JIP. DESCRIPTION	4MAN W/PICKUP 12	0.5 45 TON 60			S. VIBRA	CEN TOY	20		.,	9), 1		TOT HRLY COST	500	٥		ACT TO BY	OIL MOVE DELYN.	\$0.00	\$80 00 TRUCKING	}	1.341492 NO.TRKS 0 ADJ NO. TRKS	10000101	UNIT COST	TRKNG COST/TON=	PRODICTION PATES OLIVINGE	CLASS A	CLASS A-A	TOP	FLARE	FABRIC		AVG TONS/HOUR ==
176 0 0	No. No. MEN EQUIP.	1		0.5	0	<b>5</b>	c	> e					S CRWHR	25 EO HPC			UBH		, o	0	,	1.34		HRS	0.9375	2.3	) O	0	0	<b>-</b>	<b>9 9</b>	8.4375	<del>င်</del> ၕ
POUR CONCRETE QUANTITY T.O. QTY THICK.												TAD. 23	MINUTES A	•	×	^		WAIT		TOTAL 71		LD/HR/TRI 0.760563 TPH/TRK 17.49296		CREW TIN QTY	MOB 0.9375	2-LIFT 46		FLARE	W/G	PABAIC CI MANI IO	CECNOL	TOTAL	ADJ CREW HOUR ADJ EQ HOURS =

	COST O/S RENT		\$14.00		\$216.00	00.00		8.45¢	80.08	uz	\$0.00	\$353.88	\$134,472.50		\$0.00				\$134,472.50 \$574.67					2FT	4 FT	
	MATL. COST	\$0,00 59	\$5.00	\$0.50	\$40.00	\$60.00	3.5	00,0% 00,0%	\$0.00	\$5.00	\$0.00	\$115.50	945,680,00	\$0.00	80.00 80.00	\$0.00	\$0.00		\$43,890.00 \$187.56		Ę	22	0000		1.25 bre/ea	******
	EQUIP. OPER COST	\$6.00	\$16.25	30.00 30.00	30.00	20.00	0.	\$0.00	\$0.00	\$6.25	\$0.00	\$123.50	\$41,002.00	;	\$0.00 0.54	•			\$41,002.00 \$175.22	1	¥.	<b>V</b> •	4 % 6		18	
333.00 4 FT , DIA.	RENT	\$4.00 12	346.25 85				\$12.00 15			\$6.25 25	\$0.00	\$248.50	\$82,502.00	Č	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$				\$82,502.00 \$352.57		234 EA		o 0, c	0.74906367	1 man 5 hrs to weld with 4 men	
0 234 0 0 2' DIA 4		0.5 4MAN W/PICKUP 8	S S S S S S S S S S S S S S S S S S S	PIFERIORS	WELDER	45T CRANE		MUD MATS	LULL	U.Z5 SERVICE/MECH 25	,	TOT HRLY COST 380 TOT COST	332		0 HRS MOVE BETW. ##	\$0.00 \$0.00	\$80.00 TRUCKING	0.080257 NO.TRKS 0 ADJ NO. TRKS	TOT COST UNIT COST		2 FT 4 FT 4 FT	PIER		AVG TONS/HOUR =	2ft dia 1	
234 0	No. MEN	0.5 R	0.25	4	0	0	-	٥	0 6	<b>c</b> :0	14	MINUTES 6.5 8 CRWHR	35 EQ HRS	000	5	~	81	0.866667 9.33333	OTY HRS	, m		00	000	378.9 OUR 380 332		
TICK.											T./LD.		60 70 70 70 70	D.TRLR	RETURN	WAIT	TOTAL	LD/HR/TR 9.	CREW TIN	1-ABUT	PIER		CLEANUP	TOTAL ADJ CREW HOUR ADJ EQ HOURS ≈		

Appendix - Costs

																•														
TOTAL HOURLY	\$193.50	\$50.00	\$150.00	\$0.00	\$32.00	\$0.00	\$25.00	200	\$589.50	\$2,485.00	80.08 00.08	8	\$880.00	\$22,176.00	\$2,800.00	80.00	Λο:ο _φ	\$36,805.00	\$209.12		\$17.20	\$226.32								
TRUCKING O/S RENT	\$0.00	\$0.00 \$0.00	\$0.00	\$0.00 \$0.00 \$0.00	80.00 80.00	\$0.00	\$0.00		\$0.00	\$0.00					\$2,800.00		ć	\$2,800.00	\$15.91		J							TONS	281,6	355.52 T
LABOR	\$58.50 0	\$54.00 554.00	-	\$0.00 0.00 0.00	0000	_	\$0.00 0		\$162.50	\$2,275.00		\$0,00	0					\$2,275.00	\$12.93										140.8 #/	177.76 CY
MATL. COST	\$0.00 59	\$15.00 54	\$0.00 50	\$0.00 \$0.00 \$4.00	\$0.00 50	\$0.00 54	80.00 80.00 55 55 55		\$15.00	00.UTZ&	\$0.00	20.00	\$880.00 0	\$3.520.00				\$26,786.00	\$152.19		ACI IDA	50000 588		000	00'0	00:0	0.00	0.21	0.8	-
EQUIP. OPER COST	\$50.00 0 \$40.00 0	\$0.00 15	\$45.00 0	\$20.00 8		\$0:00	\$0.00 \$0.00 \$0.00		\$190.00	\$2,280.00		\$0.00	雅·郭 O	##				\$2,280.00	\$12.95	ŗ	RATE	15 CY	12 C	0.1 17	1.0	0.1	0.1	CEMENT =	AGGRE =	
	\$85.00 50 \$30.00 40 \$30.00 20		\$55.00 45	\$12.00 20		\$0.00 25	\$0.00		\$222.00	\$2,664.00		\$0.00	<b>非</b> 0					\$2,664.00	\$13.14 \$15.01		NTITY	130 CY	46 CY	0 T.	0	φ.	⊃	14.08 CI	AC	
EQUIP, DESCRIPTION	1 PLANT & OPER 85 1 GENERATOR 30 1 HOT WATER 30		I LOADER 55	1 CRW.TRK 12	0	0 1 1 GHT DI ANTE 10	٠ م	ESSON MILETON	14 TOT COST	12			\$300.00 BUY CEMENT	\$12.50 AGGRE. & SAND /CY	\$100.00 TRUCKING	2.053333 NO.TRKS	2 ADJ NO. TRKS	TOT COST	TRKNG COST/TON=	ADDED CEMENT FOR "A.A" CONICERE	PRODUCTION RATES QUANTITY	CLASS A	CLASS A-A	TOP	FLARE	D/W EABRIC	2000	AVG TONS/HOUR =		
MEN	<del>-</del> 0	<b></b> ,	-	0	<b>c</b>		œ	EC	8 CRWHR	25 EQ HRS	<b>a</b> c	327	74	782	\$ 87 59		543		325	130 8.67	3.8333	0	0	0	<b>0</b> (	Þ	14,0625	14		
·							CYAD	MINITES		900	7. C.	RETIEN	WAIT	, to	ź	LD/HR/TRI 0.857143		CREW TIN OTY			_	70P	· FLARE	NA NA NA NA NA NA NA NA NA NA NA NA NA N	CHERNIC		TOTAL	ADJ CREW HOUR	AUJ EU HOUKS	
																												,		

800

800

BATCH & DELIVER CONCRETE QUANTITY = CY 176 QUANTITY = TONS 362 THICK,

	MEN.	ROUIP.		W.F.	WP Co. RENT	EQUIP. OPER COST	MATL. COST	LABOR COST	TRUCKING O/S RENT	TOTAL HOURLY
	r 0		4MAN WIPICKUP SAWS	8 12	\$8.00 12		\$0.00 59		80.00	\$78.50
		<b>~</b>	GENERATOR	20 1	\$20.00 15		4 00 05 4 00 05	200	20.00	\$24.00
	ტ (	-	CARPENTERS	φ		\$5.00 5	\$15.00 54	Ù,	90.08	\$35.00
	<b>-</b>	,		0	\$0.00				80.00	00.08
	c		COLL Spin Tree	33		\$25.00		-	80.00	\$114.00
	<b>5</b> C	-	CKW. IKK	72		\$20.00			\$0.00	\$32.00
	5			<b>.</b>		\$0.00		\$0.00	00.00	\$0.00
•		•	CHT DI ANTIC	D Ç		\$0.00	\$0.00 5		\$0.00	\$0.00
		-	COULT PONTS	<u>ა</u> ო	\$1,000 \$0.00 \$	\$15.00 \$0.00	\$0.00 55	80.00	\$0.00	\$25.00
CYLLD									00.00	DO:04
MINUTES	ES SEWIND &		TOT HRLY COST		\$100.00	\$104.00	\$15.00	\$276.50	\$0.00	\$485.50
909		ñ ζ.	13 12 15 E	•	0000		\$225.00	\$4,147.50	\$0.00	\$4,372.50
D.TRK	2	2		***	00.005,14	\$1,352.00				\$2,652.00
TRLR					8	4	\$0.00			\$0.00
RETURN	22 275		AY CVI BI WAY	c		\$0.00	\$0.00	\$0.00		\$0.00
WAIT			\$45.00 BUY PLYWOOD	<b>5</b>	<b>‡</b>	5	\$1,650.00	0		\$1,650.00
14.10		•	\$5.00 BUY SUPPLIES			ŧ ŧ				\$2,250.00
2.3	20		\$100.00 TRUCKING						\$0.00	\$0.00
LD/HR/TRI 0.857143 TPH/TRK 6.857143	143 143	18.66667 0	18.66667 NO.TRKS 0 ADJ NO. TRKS							\$0.00 \$0.00
			TOT 0000					·		
Ě	_		UNIT COST	<i>#</i>	\$0.00 \$0.81	\$1,352.00	\$4,375,00	\$4,147.50	\$0.00	\$11,174.50
-	~				\$0.00		0 2.29	8C.2¢	\$0.00	\$6.98
1-UFT	12.5							CLEAN & OIL AFTER =	ER *	\$1.25
- F-1	<b>5</b>		PRODUCTION RATES QUANTITY	TES QUANTI		RATE	HOUR	MINOR REPAIRS =	i n	\$0.65
FIARE	0		SWYOL TO		1600 T.	128 S/I	_			\$8,88
DAW	> <				- · · · · ·	16 T/I			2 USES	\$4,44
FABRIC	<b>&gt;</b> C		בי לים לים לים לים לים לים לים לים לים לי		_· -	0.1 TM	00:0			
CLEANUP	9 0		200		<b>&gt;</b> c	ö				
	•		FABRIC			. C	000			
TOTAL	14.06					;				
ADJ EQ HOURS =	3 3 5		AVG TONS/HOUR =	ſr	128	PLYWOOD =	32 SF	50 EA	<b>~</b>	
							n CC		~	

000

CONCRETE FORMS - SAW YARD & ASSEMBLY QUANTITY 1600 0 1600 T.O. QTY 0 0 THICK. 0 0 0

	TRUCKING TOTAL O/S RENT HOURLY	80.00	એ		\$0.00					\$0.00	SD.00	\$0.00 \$9,928.00	\$2,835.	\$0.00	\$3,244,00	9	\$0.00	\$0.00 \$0.00	\$0.00 \$18,002,00	\$0.00 \$2,667.83						
	LABOR 7 COST (	\$0.00			\$216.00 0			\$0.00	\$0.00 \$0.00		\$544.00	\$9,248.00		\$0.00	2388				\$11.636.00	\$1,939.33						
	MATL. COST	\$0.00 59	\$0.00 56	\$0.00 53	\$40.00 54	\$0.00 54	\$0.00	\$0.00 50	80.00 54 80.00 55	\$0.00 55	\$40.00	\$680.00	9	\$0.00	\$76.00 #	\$0.00			\$756.00	\$126.00	ğ	15.00	0.00	0.00	0.00	
	EQUIP. OPER COST	11		\$0.00	\$6,00 10			\$0.00 2		\$0.00	\$81.00	\$1.218.00	\$1.215.00	\$0.00	388 19				\$1,603.00	\$267.17	RATE	0.4 E/F	4/T 08	0.1	0.1	
	WP Co. RENT	1 -	\$0.00	\$0.00 0.00 0.00 0.00		\$30.00		\$0.00 4		\$0.00 5	\$108.00	\$1,620,00	000000000	\$0.00					\$2,012.00	\$335.33 \$0.00	YELANTI			:	00	
77 baselft 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No. EQUIP. DESCRIPTION	4MAN WIPICKUP	CRANE	OLERA J PIFFELTOKS O	TRACTOR	2 STEERING TRLR 15		LIGHT PI ANTS		<b>.</b>	TOT HRLY COST	17 101 COST	?		\$0.00 FREIGHT SEATTLE TO JOB	\$0.00	COUNT PRICHING	0.777778 NO.TRKS 0 ADJ NO. TRKS	TOTCOST	UNIT COST TRKNG COST/TON≃	PRODUCTION RATES OLIANTITY		2-LIFT TOP	FLARE	D/W FABRIC	
HAUL BEANS 6 · 0	MEN.	0 (	N (	> 4	- 01	C4 C	<b>&gt;</b> C	>		<b>-</b>	MINUTES 10	30 EQ HRS	8		330 \$	70# 0	>		1	τ.	00	0 4	<b>-</b> 0	0 (	00	
HAUI QUANTITY T.O. QTY THICK.										PR./LD.		80	D.TRK	D.TRLR RETIION	WAIT	TOTAL	!	LD/HR/TRI 0.51 TPH/TRK 0.51		CKEW IIIV CITY MOB	2-UFT	70P	1 WO	FABRIC		FOTAL APTOBER HOUSE

TOTAL HOURLY	\$0.00	\$131.00	\$104.00	\$27.00	00.00	86.60	00.00	\$23.00	80.00	\$0.00	\$285.00	\$1 920 00	\$1.250.00	\$0.00	20.00	\$3,518.00	80.86 80.86	80.00	\$0.00	\$0.00	\$6,688,00	\$25.72					٠				
TRUCKING OVS RENT	\$0.00	\$0.00	90.00	30,5	SO OS	\$0.00	\$0 UD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2					\$0.00			80.00	\$6.00									\$132,000
LABOR COST	\$0.00	\$56.00 0	00.00	0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$156,00	\$1,872.00			\$0.00	2254				,	\$4,126.00	\$15.87									\$400 /T
MATL. COST	\$0.00 59	\$0.00 \$0.00 \$0.00 \$0.00	SO 00 54	\$0.00 50	\$0.00 56	\$0.00 54	\$0.00 50	\$0.00 54	\$0.00 55	\$0.00 26	\$4.00	\$48.00		\$0.00	\$0.00	# 00.02 \$0.00 \$0.00	\$0.00				\$124.00	\$0.48		NO ION	2000	9.0	800	200	00.0	0.00	330 7
EQUIP. OPER COST	\$0.00 0	80.00	\$12.00 10		\$0.00 0		\$0.00 2		\$0.00 \$0.00 \$0.00	90.00	\$52.00		\$520.00		\$0.00	200					\$1,056.00	\$4.06		RATE	4 H 40	200	17.17.	0.1		0.1	SHIPPING 6
WP Co.	\$0.00 15	\$0.00	\$15.00 12			\$0.00 20			\$0.00 \$0.00 \$0.00 \$0.00		\$73.00		\$730.00	000	85.00 85.0						\$1,382.00	\$5.32	90.00	<u> </u>		0	10	0	0	0	25 St
	0 4MAN W/PICKUP 10 1 BOOMTRK 50		1 CREW TRK 15	32		72	C E TO FILL OF	A CHANGE 8	ม ก	)	TOT HRLY COST	150 503	<u> 2</u>		MOVE BETW. #	Ē	\$0.00 \$0.00 HBT 00.00	SOUTH I KOCKING	48.61111 NO.TRKS	0 ADJNO. TRKS	TOT COST	TEKNIC COST		PRODUCTION RATES QUANTITY	14FT	24.FT	TOP	FLARE	DVW	FABRIC	AVG TONS/HOUR =
MEN EC	o +-	7			¢	<b>-</b>	þ				3	30 HO HPA	2		4 HRS	330			48.		Dan	1.04	10,4	0	0	0	۰	ο,	۰ ۵	11.42 C	
1										PR/LD.	MINUTES MINUTES 45 CPW		¥	~	RETURN 22	WAIT	TOTAL 105		LD/HR/TRI 0.514286	PH/TRK 0.514286 -	CREW TIN OTY			2-LFT 0	a.	FLARE	\$ C. S.	PABRIC O. FANTID	EANUP	OTAL	ADJ CREW HOUR ADJ EQ HOURS =

0.0

INSTALL BR.RAILING
QUANTITY 260
T.O. QTY 0
THICK.

QUANTITY T.O. QTY THICK.		42	۰ آ	42 0 0 0 0 0 0 0								
		No. MEN	No. EQUIP.	DESCRIPTION		WP Co. RENT	EQUIP. OPER COST		MATL. COST	LABOR	TRUCKING O/S RENT	TOTAL HOURLY
	и	00	0 0	4MAN W/PICKUP	10		15 \$0.00	11	\$0.00 59	\$0.00	\$0.00	\$0.00
		> <	0	IABORERS	g =	20.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00.00 00		) r	\$0.00 56	\$0.00 0	\$0.00	\$0.00
		ı	· ~	CREW 1RK	<u>ئ</u> ج			, <del>C</del>	82.50 50.00 50.00 50.00	0.0000		5109.00
					SS				\$0.00 50	0008	00.08	\$27.0C
					15				\$0.00 56			00 C
		0	0		12			2	\$0.00 54	0 00'08		\$0.00
		0	0		ఱ				\$0.00 50			\$0.0\$
			<b>-</b>	LIGHT PLANTS	ထ		15 \$15.00		\$0.00 54			\$23.00
					ഗ	\$0.00		0	\$0.00 55			30.00
C V &d	٣			,	ល	\$0.00	2 \$0.00	0	\$0.00 55			80.00
_	AMIND ITEC			T000 X 101 T0T								
LOAD	5 4	45 CRWHR	1	TOT COST		\$23.00	\$27.00	_	\$4.00	\$105.00	\$0.00	\$159.00
09	ଛ	EQ HRS	: ;;	10		\$230.00	\$270.00	_	940.00	31,250.00	\$0.0¢	51,308.00
D.TRK	∞.						<b>1</b>		80.00			900000 00000
D.TRLR	0					\$0.00	\$0.00	~	80.00	80.00		00.00
RETURN	22		PALLETS	1.5 PALLETS BUY GROUT	#	222 #		201 19	\$28.50 ##	892.5		51.344.00
WAII	0	330	50.02	\$0.00 FREIGHT SEATTLE TO JOB	ETO JOE	~			\$0.00			80.00
TOTAL	5	ą c	\$0.00	\$0.00 \$0.00 TO!!OK!!O					\$0.00			\$0.00
7	2	>	\$80.U	LAUCKING							\$0.00	\$0.00
LD/HR/TR) 0. TPH/TRK 0.	0.514286 0.514286	* *	377777.7	7.77778 NO.TRKS 0 ADJ NO. TRKS		,			٠			\$0.00 \$0.00
				TOT COST		\$452.00	\$471.00		\$76.50	\$2 152 50	0003	\$2.4E2.00
AII V		HRS		UNIT COST		\$10.76	\$11.21		\$1.82	\$51.25	00.08	375.05
MOB		1.05		TRKNG COST/TON=	12	\$0.00			!		2	5
	. 4	10.5										
1772 1773		<b>-</b>		PRODUCTION RATES QUANTITY	TES QUA		RATE		HOURS			
2 2 1 1 1 1 1		φ.		上		42 E	EA 4	4 巨小	10.50			
FLANE		<b>O</b> (		2시터			T. 90	17/2	00'0			
D/44		> <		ا ئ ا				1/1-	0.00			
		> 0		rlake Dig		<del>ن</del> ت	0.		0.00			
		, c		FABRIC		<b>-</b>	5 6	 	0.00			
TOTAL		11.55				Þ	Š	_	0.00			
ADJ CREW HOUR	OUR	12		AVG TONS/HOUR =	<b>"</b>	4	SHIPPING	Ç	330 T	SAUO CT	\$130,000	
ADJ EQ HOU	RS ≖	<b>0</b> ;						,		2		

#### Supplier Contacts List

Many Thanks to All the Suppliers Who Assisted Us with Pricing for this Project!!

Act   Protection   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Pa		77:0;	10				Commonte
800-478-9150         907-789-0790         907-789-7989         907-789-5600         907-789-5606         907-586-5606         907-586-5606         907-586-5606         907-586-322-8114         206-332-8114       206-734-7138         907-586-3790       206-988-0076         907-586-3790       206-988-0076	Company Name	Contact	rnone	Cell		THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P	Comments
Erica   900-478-9150	Air Transportation Services (Fixed a	nd Float Planes)					
Erica   907-789-0790	Ward Air		800-478-9150		Andread who is the product of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t		
Erica   907-789-0790   Services (Rotary)   Mitch Horton   907-789-7989   Mitch Horton   907-789-7989   Mitch Horton   907-789-5600   Mike Rawson   907-789-5600   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-989-7693   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9076   Sold-988-9	Juneau, AK						
Erica   907-789-0790		A					
Services (Rotary)         Mitch Horton         907-789-789           r         Mike Rawson         907-789-5600           r         Todd         503-678-1222           nu Measures         Bill Glude         907-586-5606           on Services         Bill Glude         907-586-5606           inc.         Mike Highley         907-523-8114         206-734-7138           inc.         Mike Highley         907-523-5105         907-723-3272           attle         Mike Malone         206-768-3511         206-988-0076           ers         Tom English         503-643-6878         206-988-0076	Wings of Alaska	Erica	907-789-0790				
Services (Rotary)         Mitch Horton         907-789-7989           r         Mike Rawson         907-789-5600           r         Todd         503-678-1222           Wayne Nix         503-678-1222           Wayne Nix         503-678-1222           Dean Wayne Nix         503-678-1222           Mayne Nix         503-678-1232           Dean Yamada         206-332-8114           Dean Yamada         206-332-8114           Dean Yamada         206-32-5105           Julie Mike Highley         907-523-5105           Survices         907-247-1418           Survices         206-788-3511           Leau         907-247-1417           Survices         206-988-0076           Reau         907-286-3790           Leau         170m English           Survices         206-768-3511	Juneau, AK						
Mitch Horton         907-789-7989           r         Mike Rawson         907-789-5600           r         Todd         503-678-1222           on Measures         Bill Glude         907-586-5606           on Services         Dean Yamada         206-332-8114         206-734-7138           Inc.         Mike Highley         907-523-5105         907-247-1418           stele         Mike Malone         206-768-3511         206-988-0076           teau         907-586-3790         206-788-3518           ers         Tom English         503-643-6878	Air Transpartation Services (Rotary)						
nt Massures         Mike Rawson         907-789-5600           nt Measures         Wayne Nix         503-678-1222         503-989-7693           ou Services         Bill Glude         907-586-5606         907-586-754-7138           inc.         Mike Highley         907-523-5105         907-723-3272           inc.         Mike Malone         206-768-3511         907-247-1418           evau         907-586-3790         206-988-0076           reau         907-586-3790         206-988-0076           reau         503-643-6878         206-988-0076	Temsco Helicopters		907-789-7989			mitch horton@temscoair.com	
Felicopter	Juneau, AK						
Mitigation Measures   Todd   503-678-1222   503-989-7693	Coastal Heliconters	Mike Rawson	0095-082-200		2	mrawson@coastalbeliconters.com	
elicopter         Todd         503-678-1222           Wayne Nix         503-678-1222           Miligation Measures         Bill Glude         907-586-5606           sportation Services         Dean Yamada         206-332-8134         206-734-7138           strine         Mike Highley         907-523-5105         907-723-3272           services Inc.         Mike Highley         907-247-1417         907-247-1418           AK         AK         907-586-3790         206-988-0076           ine - Seattle         Mike Malone         206-768-3511         206-988-0076           ine - Juneau         907-586-3790         206-988-0076           ds         Tom English         503-643-6878	Juneau, AK						
Mayne Nix         503-989-7693           Mitigation Measures         Bill Glude         907-586-5606           Sportation Services         Dean Yamada         206-332-8114         206-734-7138           Services Inc.         Mike Highley         907-247-1417         907-247-1418           AK         AK         AK         206-768-3511         206-788-0076           ine - Juneau         907-586-3790         206-988-0076           ine - Luneau         907-586-3790         206-988-0076           ds         Tom English         503-643-6878         Extruders	Columbia Helicopter	Todd	503-678-1222			toddt@colheli.com	
u. AK       Bill Glude       907-586-5606         u., AK       Bill Glude       907-586-5606         e Transportation Services       Dean Yamada       206-332-8134       206-734-7138         ley Marine       Dean Yamada       206-332-8134       206-734-7138         ley WA       Mike Highley       907-523-5105       907-723-3272         au, AK       Mike Highley       907-247-1417       907-247-1418         hikan, AK       Mike Malone       206-768-3511       206-988-0076         ka Marine - Juneau       907-586-3790       206-988-0076         ving Pads       Tom English       503-643-6878	Aurora, OR	Wayne Nix		503-989-7693		waynen@colheli.com	
ut, AK         Bill Glude         907-586-5606           ut, AK         Bill Glude         907-586-5606           e Transportation Services         Dean Yamada         206-332-8114         206-734-7138           le, WA         Mike Highley         907-523-5105         907-723-3272           au, AK         Mike Highley         907-523-5105         907-723-3272           au, AK         Mike Malone         206-768-3511         907-247-1418           hikan, AK         Mike Malone         206-768-3511         206-988-0076           ka Marine - Juneau         907-586-3790         206-988-0076           ka Marine - Juneau         907-586-3780         206-988-0076           Rubber Extruders         Tom English         503-643-6878	Avalanche Mitigation Measures						VALUE AAAA DA DA DA DA DA DA DA DA DA DA DA D
Dean Yamada       206-332-8114       206-734-7138         Mike Highley       907-523-5105       907-723-3272         Mike Malone       206-768-3511       907-247-1418         Mike Malone       206-768-3511       206-988-0076         907-586-3790       206-988-0076         Tom English       503-643-6878	ASS	Bill Glude	907-586-5606			aas07@mac.com	
Dean Yamada       206-332-8114       206-734-7138         Mike Highley       907-523-5105       907-723-3272         Mike Malone       907-247-1417       907-247-1418         Mike Malone       206-768-3511       206-988-0076         907-586-3790       206-988-0076         Tom English       503-643-6878	Juneau, AK						
Dean Yamada       206-332-8114       206-734-7138         Mike Highley       907-523-5105       907-723-3272         Mike Malone       907-247-1417       907-247-1418         Mike Malone       206-768-3511       206-988-0076         907-586-3790       206-988-0076         Tom English       503-643-6878	Barge Transportation Services						
ervices Inc.  Mike Highley 907-523-5105 907-723-3272  1e, Inc.  AK  Inc. Seattle Mike Malone 206-768-3511 907-247-1418  inc. Juneau  ds  Extruders Tom English S03-643-6878	Crowley Marine	Dean Yamada	206-332-8114	206-734-7138		dean.yamada@crowley.com	
Mike Highley         907-523-5105         907-723-3272           Mike Malone         206-768-3511         206-988-0076           Popper         907-586-3790         206-988-0076           Tom English         503-643-6878         503-643-6878	Seattle, WA						A PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART
Mike Malone 206-768-3511 206-988-0076 907-586-3790 Tom English 503-643-6878	Northland Services Inc	Wike Highley	907-523-5105	907-723-3272		mhighlev@northlandservices.com	
attle Mike Malone 206-768-3511  neau 907-247-1417  neau 907-247-1417  907-247-1417  1008-1009-1009-1009-1009-1009-1009-1009-	Juneau, AK	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	CARPERA, MARINE PERSON PROPERTY OF THE PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPERTY OF THE PERSON PROPER				
- Seattle Mike Malone 206-768-3511 - Juneau 907-586-3790 xtruders Tom English 503-643-6878	Olson Marine, Inc.		907-247-1417		907-247-1418		
Mike Malone 206-768-3511 907-586-3790 Tom English 503-643-6878	Ketchikan, AK						
Tom English	Alaska Marine - Seattle	Mike Malone	206-768-3511		206-988-0076	mikem@lynden.com	
Tom English	Alaska Marine - Juneau		907-586-3790				
Tom English	Bearing Pads						
	NW Rubber Extruders	Tom English	503-643-6878				
	1944 h 1145   19 TOPPAN SAMP SAMP SAMP SAMP SAMP SAMP SAMP SAMP						
	PRICEASIVE W PRESCHE APPRICES OF AVOID THE CANADACTURE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	

# JUNEAU ACCESS IMPROVEMENTS

## Supplier Contact List

			adphici colliact Elsi	וומרו בופו		
Company Name	Contact	Phone	Cell	Fax	E-mail	Comments
Bulk Cement						
Glacier Northwest	KenThiuese	360-896-8922				
	Ken Tanase	206-764-3069	206-909-7637		ktanase@calportland.com	
Communications Systems						
GCI	Sandy Bolder	907-868-6468				
Juneau, AK	Cindy Baldwin				cbaldwin@gci.com	
PCC Communications. Inc.	Brad Wennerstrom	403-567-8205	403 700 0001	403 567 0240	0	
Calgary, Canada		2020	1002-001-001	0+70-100-00+	402-507-5240 <u>Dweinterstontæpc</u> cinc.com	
Outfitter Satellite Phones	Bill Rogers	877-436-2255	615-695-1115	THE PROPERTY OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF THE PASS OF TH	hill rogers (i) in fittorestallite com	Worked hand to not too
Houston, TX						pricing and information
Alaska Power and Telephone	Jason Spears	907-225-1950				
Lewis & Lewis Enterprises		805-644-7405	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
Ventura, CA						
Construction Camps						ALL THE THE THE THE THE THE THE THE THE THE
Redrocks Camps	Troy Ferguson	403-261-2628	403-261-9890		tferguson@redrockscannes com	Did a good job with limited info
Calgary, Alberta						Out of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the secon
Crux Subsurface	Nick Salisbury	509-892-9409	509-981-4441	509-892-9408	nick@cruxsub.com	Very helnful in pricing and
Spokane Valley, WA	Gwyn Hansen				gwyn(@cruxsub.com	explanation of services
Rock Bay LLC	Don Munhoven	907-247-5328		907-225-2306	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Very helnfil in pricing and
Ketchikan, AK			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			explanation of services
Chulista Services	John Gillam	907-278-2208		907-677-7261		
Anchorage, AK						
ESS Support Services Worldwide Anchorage, AK	Dan Knauss	907-865-9836		907-865-9865		
S.T. Modular	Sid Tabor	775-945-9800		775-945-227	eid@etmodular.com	
Hawthorne, NV			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		TION THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPE	
Abstract Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of t					THE PERSON NAMED WAS DESCRIPTIONS OF THE PERSON NAMED WAS DESCRIPTIONS OF THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AN	

			משלקהם המוונמתר בוואו	וומטו הוטו		
Company Name	Contact	Phone	Cell	Fax	E-mail	Comments
Construction Camps (continued)						
Arctic Structures LLC	Rory Courreges	907-522-2425		907-522-2426	907-522-2426 info@arcticstructures.com	
Anchorage, AK	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon					
A 444 C C C C C C C C C C C C C C C C C						
Palmer, AK	Lany Angel	yU/-/45-23y0	Extention 1		larryangel <i>(m</i> arcticstructures.com	
Crane Mats				-		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
North Pacific	Steve McNulty	800-435-3421	503-936-1345	503-238-2642	smcnulty@northpacific.com	
Decked Bulb Tees				77.72		
Concrete Technology	Millard Barney	253-383-3545				
Emergency Medical Services			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
GoldBelt	Steve	907-790-1435		907-523-1376		
Juneau, AK						The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Equipment Rental						
Tyler Rental	Mike Allison	907-780-2210	907-321-5533	907-780-2216	mikea@tylerrental.com	
Juneau, AK	Steve Kikendall				stevek@tylerrental.com	The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co
NC Mochinery		0031 701 100			What is the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco	
Anchorage, AK	raui Gillilli	800-433-9120				
		0717-751-000				
Equipment Rental (cont.)			***************************************		A parameter and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Totem Rentals	,	907-276-2858			THE COLOR OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S	
Anchorage, AK			To send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a send a			
Sunbelt Rental		425-673-6335	APRILITATION AND RESERVED FOR PROSESSION AND ASSESSION AND ASSESSION AND ASSESSION ASSESSION AND ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION ASSESSION			
Lynnwood, WA			And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
Kuukpik Arctic Services	Terry McIntosh				terry, mointosh@kasves.com	
	Randy Mac Millan	907-743-7412	907-529-5765		randy.nracmillan@kasves.com	
Expansion Joints			****** * * * * * * * * * * * * * * * *			
D.S. Brown	Larry Duraine	419-257-3561	A THE PROPERTY OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALES AND A CONTRACT OF STREET, SALE		lduraine@dsbrown.com	
	Andread des constitutes a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco					

;						
Company Name	Contact	Phone	Cell	Fax	E-mail	Comments
Field Offices and Storage						e de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della comp
Tyler Rental	Steve	907-780-2210			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
Juneau, AK			27 W. W. W. W. W. W. W. W. W. W. W. W. W.			
Williams-Scotsman, Inc.	Mike Frizzell	907-373-3991				
Wasiila, AK	Mana or who is the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the					
R&M Engineering	Mark Pusich				monisich@trmitmean.com	
Juneau, AK						
Dowl Engineers						
Fuel and Fuel Supplies					COMMISSION OF STREET OF STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,	
Petro Marine Services	Lex Hales	907-273-8226		AND THE REAL PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY A		
Craig, AK	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s					
Harbor Enterprises (Petro Marine)	THE POST ABOUT A COME IN COME INC.					
Juneau, AK						
Delta Western		907-874-2388	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			
Wrangell, AK						
TAKIJ Oil Sales	Stevie	907-586-1276				
Juneau, AK				and the second second		
Interstate Products Sarasota FI	Rob Anderson					
	***************************************					
Generator Set		and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t				
NC Power Systems	Lloyd Shanley	907-786-7591	807-229-6831		Lshanlev@NCPowerSystems.com	
Anchorage, AK		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s				
Local Mining Company Contacts						
Goldbelt Inc.	Rob Martin	907-790-4990				
Coeur Mining Company	Rick Richins			208-761-1310		Could not contact this person
Pipe Pites/Sheetpile						
LB Foster	Russ Storaasli	253-848-1050	and an artist of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	ì	rstoraasli@lbfoster.com	
LaBarge Pipe& Steel	David Kersting	281-445-6191		281-445-8881		

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			our same and due		
Company Name	Contact	Phone (	Cell Fax	E-mail	Comments
Readi-Mix Concrete			The second section of the second section is a second section of the second section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section section sec		
AggPro Juneau	Bob	907-780-6565			
Reinforcing Steel			AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPER		
Harris Rebar Seattle	Ken	253-272-4227			
Strip Seal Assembly			The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		
Carter-Waters	Charlie Watson	816-471-2570	816-421-162	816-421-1627 cwatson@carter-waters.com	
Structural Steel		And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			A TO STATE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF
Fought & Company	Ronda Halamay	503-639-3141	503-620-217	503-620-2179 <u>ronda@fought.org</u>	
Survey Equipment				ander anneder transparent part and the second second second second second second second second second second se	
Lewis & Lewis Enterprises		805-644-7405			
Ventura, CA					
Water Transportation Services					
A Taste of Adventure	Jesse Osborn	907-821-1900		jesse@atasteofadvanture.com	Very helpful in trying to scope
Juneau, AK					and price our needs
Alaska Charter Boat	Linda Kadrlík	907-523-0897		linda@alaskacharterboat.com	
Juneau, AK	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				