



Alaska Department of Transportation & Public Facilities The Survey Instrument Lab

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7/10/18

Keep Alaska Moving through service and infrastructure

SIL History

The survey Instrument Lab also know as the Optics Lab

- Was founded in the early 1960's
- It was part of the Highway Department with offices in Fairbanks
- Offices moved to Anchorage in 1969 and it became part of the DOT
- Office location driven by earth quake stability factors
- Serve DOT&PF first then other Dept's in the State
- The section works under Policy # 10.03.010



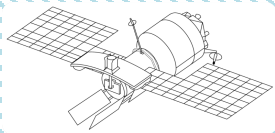
Equipment

- The Digital Age



Equipment

- Satellites, UAS, Software





Why use Instruments from the SIL

- Policy # 10.03.010 (requirement)
 - Contractor Accountability
 - Cost Savings and Free Stuff
- Maintenance and Repair Service
 - Property Tracking & Invoicing
- Free Shipping Anywhere in the State

Contractor Accountability

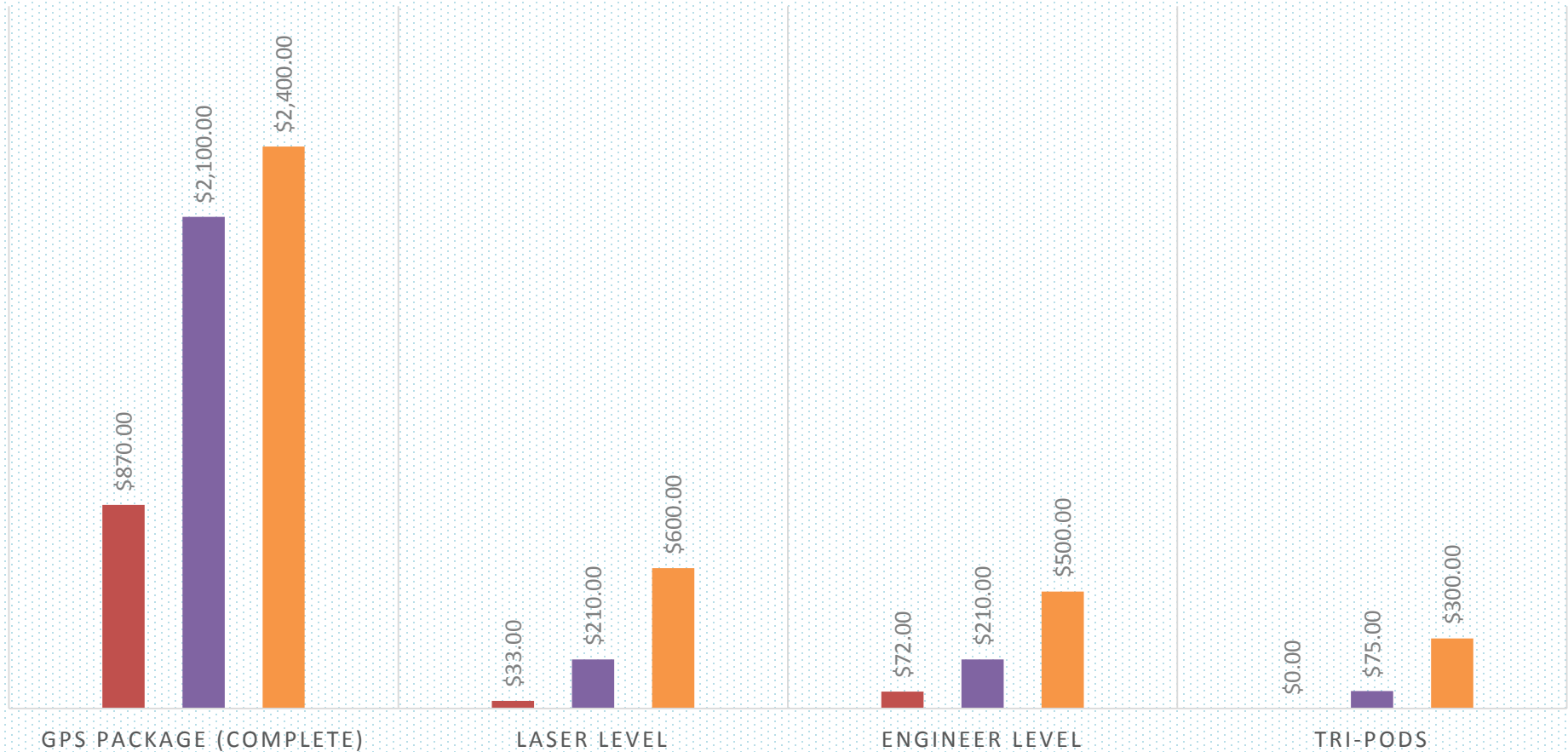
- Oversight of Projects and Contractors
- Quality Control



Cost Savings and Free Stuff

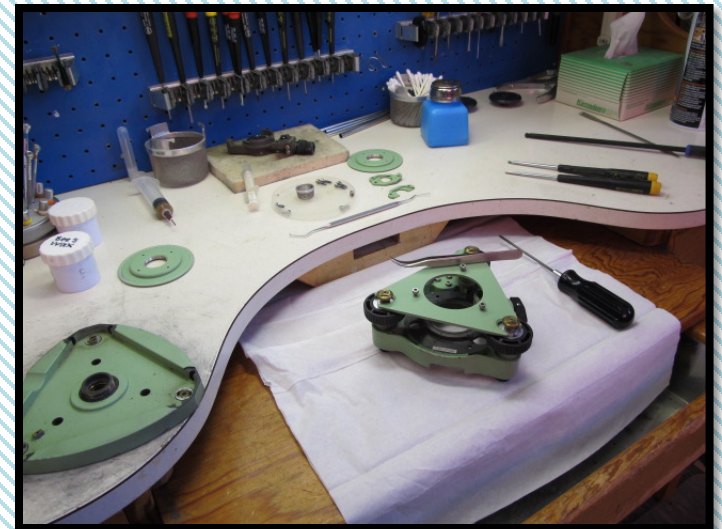
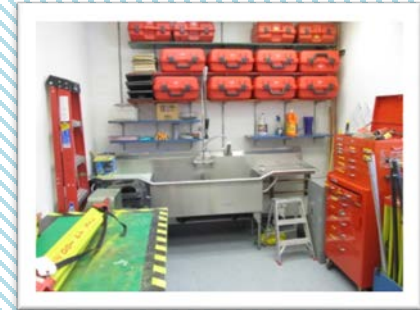
MONTHLY RENTAL RATE COMPARISON

■ SIL ■ Retailer 1 ■ Retailer 2



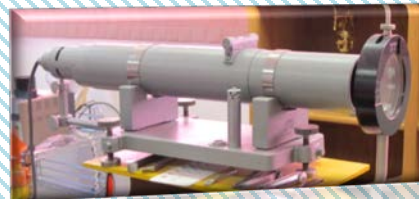
Maintenance and Repair Service

- Instrument and Equipment Cleaning (FREE)



Maintenance and Repair Service

- Routine Maintenance (FREE)
- Instrument Calibration (FREE)



Renting from the SIL

Quick and easy PDF Rental Form



Survey Instrument Lab
7500 E Tudor Rd
Anchorage, AK 99507
(907)337-6813

SIL Rental Form

Name Date
Dept. Region
Section Phone
Project Name
Date Needed Ship to Address

Items available for rent. Please indicate quantity needed next to the items you want to rent.

GPS	QTY
Levels	QTY
UAS/Drone Phantom 4 Pro	QTY
Distance Meters	QTY
Magnetic Locator	QTY
Traverse Kit	QTY
Legs/Tripods	QTY
Legs/Bipods	QTY
18" Laser Rod (Rectangle)	QTY
20" Laser Rod (Rectangle)	QTY
18" Leveling Rod (oval)	QTY
20" Leveling Rod (oval)	QTY
GPS Rods	QTY
18" Prism Poles	QTY
25" Prism Poles	QTY

GNSS Bracket for Vehicles

QTY

Turtles

QTY

If you do not see what you are interested in renting, it does not mean that we do not have it or that we can not get it for you. Let us know what you're interested in renting and we will get back to you.

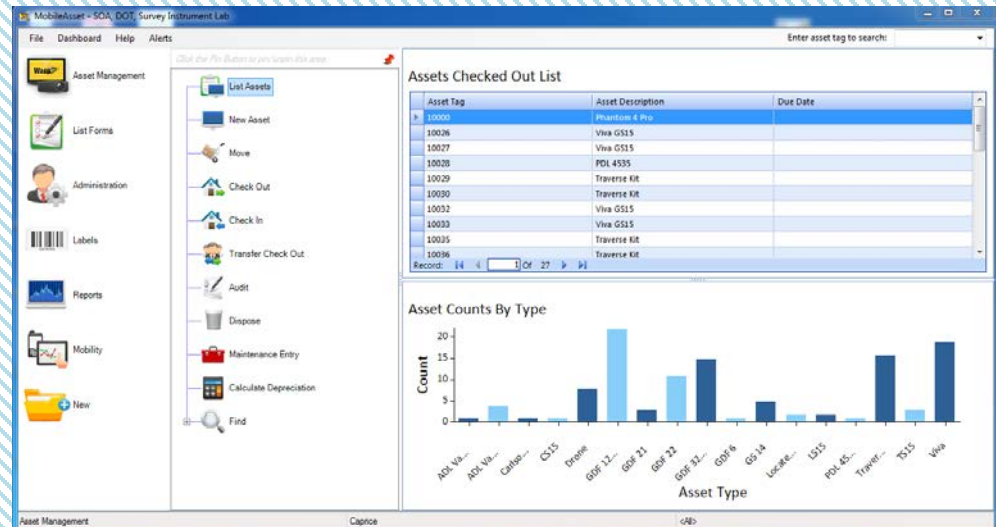
Thanks for your interest in
The Survey Instrument Lab

Version 1, 2/9/18

Instrument Tracking

- New WASP Asset Management System
- Barcoding
- Reporting Tools

Location:	Survey Instrument Lab - Main Room				
Asset Tag	Description	Serial No	Checked Out	Purchase Date	Purchase Cost
10000	Dense Phantom 4 Pro	0AXCEAK0A30501	Yes	11/27/2017	\$1,499.00
10001	Dense Phantom 4	07DD23M701026	No	2/2/2017	\$1,599.00
10002	Dense X-Stream	2EP16476508	No	4/25/2017	\$749.99
10003	Dense Phantom 4 Pro	0AXCE560A31171	No	5/31/2017	\$1,599.00
10004	Dense Phantom 4	07DD940C11094	No	11/10/2016	\$1,649.00
10047	Dense Phantom 4 Pro	PAJXNDFRAMP	No	5/31/2017	\$1,749.00
10111	Dense Phantom 4 Pro	189CEBBA20651	No	2/2/2018	\$1,749.00
10112	Dense Phantom 4 Pro	189CFIKBA20663	No	2/2/2018	\$1,749.00
	Obidian				
Total:					\$12,342.99
Location:	Survey Instrument Lab - Room 1				
Asset Tag	Description	Serial No	Checked Out	Purchase Date	Purchase Cost
10005	Viva: Viva GS15	2899409	No		\$0.00
10006	Viva: Viva GS14	2806208	No		\$0.00
10007	Viva: Viva GS14	2896036	No		\$0.00
10008	GDF 122: Tnlbrach	4137	No		\$0.00
10009	Viva: Viva GS14	2899497	No		\$0.00
10010	GDF 122: Tnlbrach	4059	No		\$0.00
10011	GDF 122: Tnlbrach	4148	No		\$0.00
10012	Viva: GS14: Single Antenna	2401410	No		\$0.00
10013	Carlson Surveyor 2: Carlson	195724	No		\$0.00
10014	Surveyor 2				
10014	GS 14: Viva GS14	3701318	No		\$0.00
10015	ADL Vantage 35: ADL	57140029	No		\$0.00
10016	Vantage 35				
10017	GDF 122: Tnlbrach	4145	No		\$0.00
10018	Viva: Viva GS14	1577026	No		\$0.00
10019	GDF 122: Tnlbrach	4073	No		\$0.00
10019	Viva: Viva GS14	1577155	No		\$0.00
10020	ADL Vantage Pro: ADL	12505514	No		\$0.00
10021	Vantage Pro				
10021	Viva: Viva GS14	1577030	No		\$0.00
10022	Tnlbrach	4019	No		\$0.00
10023	ADL Vantage Pro: ADL	14444408	No		\$0.00
10024	Vantage Pro				
10024	ADL Vantage Pro: ADL	14444353	No		\$0.00
10025	Vantage Pro				
10025	ADL Vantage Pro: ADL	12182391	No		\$0.00
10026	Vantage Pro				
10026	Viva: Viva GS15	1571283	Yes		\$0.00
10027	Viva: Viva GS15	1571284	Yes		\$0.00
10028	PDL 4535: PDL 4535	02300640	Yes		\$0.00
10029	Traverse Kit: Traverse Kit		Yes		\$0.00
10030	Traverse Kit: Traverse Kit		Yes		\$0.00
10031	GDF 122: Tnlbrach	4095	No		\$0.00
10032	Viva: Viva GS15	1571281	Yes		\$0.00
10033	Viva: Viva GS15	1571285	Yes		\$0.00
10034	GDF 122: Tnlbrach	4099	No		\$0.00



Easy to Read Invoicing



Survey Instrument Lab

5700 East Tudor Rd., Anchorage, AK 99507

Phone (907)337-6813 Fax (907)337-7347

INVOICE

OrderID

Billing for December

CustomerID

LastName, FirstName

Dept Region Division Section

Notes

SIL PART #	Discription	Model	MonthlyRate	QTY	LineTotal
70001	Travers Kit	2TGT	\$48.00	2	\$96.00
70003	Total Station	TS15A3	\$816.00	2	\$1,632.00
70004	Percision Laser Level	DNA03	\$110.00	1	\$110.00
70005	Hydro Sonar Unit	SMMILSPEC	\$270.00	1	\$270.00
70007	GPS Unit	VIVA GS15	\$870.00	4	\$3,480.00
70024	Infinity Operating System	Infinity	\$80.00	2	\$160.00
9235	Radio, Hand Held	CP200	\$18.00	5	\$90.00
			SubTotal	<input type="text" value="\$5,838.00"/>	

Shipping Statewide

1 box or 20 we can get it to you free VIA

- US Mail
- UPS
- Alaska Airlines
- Ravn Air
- Lynden
- **FREE**





Who should Use SIL Equipment

- ROW
- Utilities
- Design
- Highways
- M&O
- Survey
- Construction
- Aviation
- Materials
- Public Facilities



UAS (drones) in the State

- Land Surveying for Highways and Aviation
(Cheaper than Sm. Plane Rental)
- Bridge, Tunnel, Guard Rail, and Exterior Building Inspections (Cheaper and safer than, Ladders and Boom Cranes)
- Avalanche Mudslide Inspection (Close Visual Inspection from Safe Distances)
- Ice Jams and Flood Tracking
- Construction (Overview Project Areas, Time Laps Jobsite progress)
- Payload Delivery (Use Your Imagination)



DOT Drone Photos



Keep Alaska Moving through service and infrastructure



DOT Drone Photos



DOT Drone Photos



Keep Alaska Moving through service and infrastructure

The image is a composite. The top portion features a horizontal strip of five small, semi-transparent photographs. From left to right, they show: a construction worker in a yellow hard hat and orange safety vest; a woman with short brown hair wearing sunglasses and a green shirt; a person in an orange safety vest and hard hat; a close-up of a person wearing a red helmet and yellow safety goggles; and a construction worker in a blue hard hat and safety vest working on a structure. Overlaid on this strip is the text 'DOT Drone Photos' in a large, black, sans-serif font. The bottom portion of the image is a large, high-resolution aerial photograph of a steep, rocky mountain slope. The slope is covered in patches of green vegetation and exposed grey and tan rock faces. At the base of the slope, a two-lane asphalt road with yellow center and edge lines runs horizontally. A white SUV is parked on the right side of the road, and a dark blue car is further down the road. Several small figures of people in safety gear are visible near the cars. In the bottom right corner, railroad tracks run parallel to the road. The sky is clear and blue.

DOT Drone Photos

Keep Alaska Moving through service and infrastructure



DOT Drone Photos



Keep Alaska Moving through service and infrastructure