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**COR-2133  
COPY 3 of 5**

**Amendment No. 5  
Contract No. BB-450**

**9 MAY 1963**

**ITEK Corporation  
Lexington, Massachusetts**

**Gentlemen:**

1. This document constitutes Amendment No. 5 to Contract No. BB-450 between the parties hereto and said contract, as amended, is further amended as hereinafter set forth.

2. The parties hereto have negotiated and agreed upon additional items of work and/or changes to the items presently called for under Exhibit "A" of the contract. Said work is set forth herein below at a total increase in Contract Price of \$781,620.00.

3. Paragraph A. of Exhibit "A" SCOPE OF WORK is amended by adding the following new items thereto:

*INV 731163*  
"Item 15 - Contractor shall fabricate three (3) Stellar Indexing Cameras of increased capacity including ~~cassettes~~, data blocks and transit cases in accordance with Contractor's document SHC 62-8214-187 and SHC 62-8214-188, dated 17 August 1962 respectively and Technical Directives Nos. 111 and dated 16 October 1962 and 22 October respectively as said documents being incorporated herein by reference at a unit price of \$66,611.66 and a total price of \$199,835.00.

Item 16 - Contractor shall incorporate the provisions of Technical Directive No. 111 in three of the Stellar/Indexing Cameras called for under Item 10 of the contract. The price for this item is included in Item 15 above.

*73221*  
Item 17 - Contractor shall design and develop and fabricate ten (10) each increased capacity cassettes for use on Items 10 and 15 above in accordance with Technical Directive No. 117. The price of this item is included in the price of Item 15.

*INV 7179/63*  
Item 18 - Contractor shall design, develop and fabricate two (2) each 240" focal length experimental photographic devices in accordance with Contractor's document SHC 63-8214-12 Revisions No. 97A all of which are incorporated herein by reference at a unit price of \$230,350.00 and a total price of \$460,700.00.

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Item 19 - Contractor shall conduct a study and submit a report on methods of improving or precisely defining the geometry of panoramic photography obtained with "M" style cameras in accordance with Technical Directive No. 110, said document being incorporated herein by reference, at a total price of \$27,905.00.

*WNT 722/8/63*

Item 20 - Contractor shall modify five (5) "M" type Stellar/Indexing Cameras in order that they may be accommodated in the "J" type system at a unit price of \$2,318.60 and a total price of \$11,593.00.

*① 63-71  
① 63-80  
① 63-95  
① 63-96*

Item 21 - Contractor shall design and fabricate eighteen (18) radiation shields for the Stellar/Indexing cameras in accordance with Technical Directive No. 102 at a total price of \$12,195.00.

*②  
7742*

Item 22 - Contractor shall fabricate and deliver the spare parts set forth in Exhibit "E" attached hereto and made a part of this contract at a total price of \$23,077.00.

Item 23 - In accordance with Contracting Officer authorization in Message No. 3447, dated 7 July 1962, Contractor was directed to fabricate six (6) each single Frame Cameras identical to units delivered with "M" system No. 1 through 12. By direction of the Contracting Officer on 1 August 1962 Contractor was directed to cease fabrication of the single Frame Units and in lieu thereof proceed with the Stellar/Indexing Units called for under Item 8 utilizing all residual and common parts. As a result of this redirection, the parties hereto have negotiated and agreed upon the cost of work and materials made obsolete by said changes and upon submission of a properly certified invoice, Contractor shall be paid the sum of \$40,015.00.

Item 24 - Contractor shall incorporate the changes set forth in Technical Directive No. 95 effective on nineteen (19) system called for under Item 2 and 12 (M-9 thru M-27) at a unit price of \$331.58 and a total price of \$6,300.00.

4. Paragraph B. DELIVERY, of Exhibit "A" as amended by adding the following new items thereto:

Item 15 - Contractor shall deliver the three (3) S/I Cameras as follows:

- One (1) each on or before 30 April 1963
- " " " " " 30 May 1963
- " " " " " 30 June 1963

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Item 16 - The T. D. shall be incorporated on three (3) of units under Item 10 and delivered in accordance therewith.

Item 17 - The T. D. shall be effective on certain of the units called for under Items 10 and 15 and delivery in accordance therewith.

Item 18 - Contractor shall deliver the experimental systems as follows:

One (1) each on or before 4 April 1963  
" " " " " " 4 May 1963

Item 19 - Contractor shall complete the study and submit a final report on or before 30 June 1963.

Item 20 - Contractor shall modify the five (5) S/I Systems and delivery shall be made on or before 30 June 1963.

Item 21 - Contractor shall deliver the eighteen (18) radiation shields forthwith upon receipt of this Amendment.

Item 22 - Contractor shall deliver the spare parts forthwith upon receipt of this Amendment.

Item 23 - Contractor shall submit DD Form 543 together with statement of costs and invoice forthwith.

Item 24 - Change shall be effected on units indicated in Item 24 and delivered with Item 2 and 12.

5. As a result of the foregoing, the Contract is further amended by revising PART XV to the Schedule as follows:

a. PART XV - CONSIDERATION AND PAYMENT

a. The total contract target price for Items 1 through 6, 8 and 9 Exhibit "A" to the Schedule is \$12,610,850 subject to the provisions of the clause hereof entitled "PART XII - INCENTIVE PRICE REVISION" and the provisions of the clause hereof entitled "PART XVI - LIMITATION OF GOVERNMENTS OBLIGATION."

b. The total estimated cost for Item 7 to the Schedule \$510,000.00 said amount being allotted hereunder and subject to PART XVI of the Schedule.

c. The total contract price for items 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 and 24 of Exhibit "A" to the Schedule is \$3,043,686.00 subject to the provision of the

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clause hereof entitled "PART XVI - LIMITATION OF GOVERNMENTS OBLIGATION". Said items are not subject to PART XVII INCENTIVE PRICE REVISION.

d. There is hereby allotted for the total performance of this contract the sum of \$14,156,883.00 subject to the provisions of PART XVI of the Schedule."

6. PART XVI - LIMITATIONS OF GOVERNMENTS OBLIGATION of the Schedule is amended as follows:

(a) The figures "\$13,375,263.00" appearing in the first sentence of paragraph (d) are deleted and in lieu substitute the figures "\$14,156,883.00."

(b) The words and figures "30 April 1963" appearing in the first sentence of paragraph (3) are deleted and in lieu thereof substitute the words and figures "30 June 1963."

7. All other terms, conditions and requirements of Contract No. BB-450 remain unchanged.

8. Please indicate your receipt of this Amendment No. 5 to Contract No. BB-450 and your acceptance thereof by executing the original and one copy of this amendment to the undersigned and retain the remaining copy for your files.

Very truly yours

[Redacted Signature Box]

Contracting Officer

25X1

ACKNOWLEDGED AND ACCEPTED  
ITEK LABORATORIES

A [Redacted] (ON  
BY [Redacted]

TITLE VP

DATE 5/17/63

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**EXCEPTION TO AGREEMENT NO. 5  
CONTRACT NO-450  
MAILED 9 MAY 1963**

**Page 1, Paragraph 3, Item 15, Line 2 - delete the word "cassettes."**

EXHIBIT "B" AMENDMENT NO. 5 CONTRACT NO. BB-450

ADDED SCOPE  
8214 - 96A (ADDITIONAL QUANTITIES)  
SPARE PARTS

<u>Item No.</u>	<u>Quantity</u>	<u>Part No.</u>	<u>Description</u>	<u>Total Selling Price</u>	<u>Unit Selling Price</u>
1	2	50575	Photo Cell	\$ 181.00	\$ 90.50
2	24	39593	Fiducial Lamp Assembly	187.37	7.81
3	50	540-070-01	Lamp	114.56	2.29
4	6	45136	Lens	2.71	.45
5	10	NE2-U-DS101	Timing Lamp	2.34	.23
6	300	42904	Lamp Time Word	3,912.12	13.04
7	12	42902	Connector (Lamp Sleeve)	7.96	.66
8	50	50388	Tube Pin Light	207.56	4.15
9	2	50134	Reseau Plate (35mm)	408.50	204.25
10	2	50090	Reseau Plate (70mm)	774.72	387.36
11	4	#10-24x 13/16	Screw Fil HD Mach	2.09	.52
12	2	2N1772A	Silicon Control Diode	49.79	24.90
13	12	IN647	Diode	51.58	4.30
14	12	IN1614	Diode	107.81	8.98
15	25	AGC-2	Fuse Lamp	18.74	.75
16	6	2N1613	Transistor	72.99	12.16
17	6	2N1132	Transistor	184.05	30.68
18	6	2N2201	Transistor	125.49	20.92
19	6	2N575	Transistor	161.67	26.94
20	6	TES 10-150C2	Capacitor 10UF 150VDC	47.15	7.86
21	6	150D 335 x 9035B2	Capacitor 3.3UF 35V	16.58	2.76
22	6	13-D206C2040F2	Capacitor 20UF 40V	59.76	9.96
23	6	109D406C2030F2	Capacitor 40UF 30V	45.66	7.61
24	6	29F629	Capacitor 220UF 30WVDC	54.91	9.15
25	6	TY13BF330M	Capacitor 3308 35WVDC+	36.71	6.12
26	6	TES 10-150C2 10UF 150VDC	Capacitor	47.15	7.86
27	6	220M8 30WVDC	Capacitor	54.91	9.15
28	4	41004	Cam	139.60	34.90
29	4	41078	Trunion	43.43	10.86
30	1	39993	Roller (Cassette Idler)	272.70	272.70
31	2	10r5W (Type 5x)	Resistor	2.14	1.07
32	2	15r5W (Type 5x)	Resistor	1.91	.96

SPECIAL HANDLING

ADDED SCOPE  
8214 - 96A (ADDITIONAL QUANTITIES)  
SPARE PARTS

No.	Quantity	Part No.	Description	Total Selling Price	Unit Selling Price
				\$	\$
	2	600r3W (Type 3x)	Resistor	1.87	.94
	2	100r3W (Type 3x)	Resistor	1.87	.94
	25	2K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	2.7K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	4K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	10K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	12K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	16K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	22K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	27K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	68K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	25	100K $\frac{1}{2}$ W+1%	Resistor	14.09	.56
	2	200L-1-503 (50K)	Resistor, VAR	17.01	8.50
	2	200L-1-502	Resistor, VAR	12.93	6.46
	6	39636	Gang Pot (T/U)	609.01	101.50
	2	Model "G"	Helipot-500HNS 5% Res Tol, 1% Lin	48.90	24.45
	12	Type RS-2	Resistor WW 22.5K 3%	12.03	1.00
	12	Type 3x	Resistor WW 1.1K 3W 5%	16.24	.85
	6	Model 300-66	Potentiometer 500 OHM (Lamp)	29.34	4.89
	12	BN 2400	Thermal Sensor	538.69	44.89
	2	DC 37S	Connector	8.35	4.18
	2	MM20-22PS	Connector (Sensor Arm)	11.59	5.80
	2	SM7-20PS	Connector (T/U Spool)	7.56	3.78
	2	JX-25	Switch Actuator	4.08	2.04
	6	ISX 1-T	Micro Switch	19.49	3.25
	6	V3-119	Micro Switch (.13)	8.61	1.44
	6	JV-20	Actuator	7.12	1.19
	1	50364	LSU (OR44042)	830.72	830.72
	1	47232	Cycle Counter	517.92	517.92
	1	42612-G2	Programmer Assembly	985.24	985.24
	2	50405	Motor-Drive Self-Metering	236.98	118.49
	2	44071	Motor, Main Drive	464.06	232.03
	2	50291-G2	Motor, Torque-DC (T/U)	508.81	254.40

SPECIAL HANDLING

8214 - 96A (ADDED SCOPE  
 (ADDITIONAL QUANTITIES)  
 SPARE PARTS

**SPECIAL HANDLING**

Part No.	Quantity	Description	Total Selling Price	Unit Selling Price
44072	2	Torque Motor DC	\$ 501.35	\$ 250.68
38979	2	Supply Spool Brake	132.58	66.29
50212	3	Clutch Assembly (20FG1,10FG2)	157.44	52.48
50088-G1	1	Spare Sensor Arm Assembly	3,237.03	3,237.03
SL11DA	2	Relay	47.03	23.52
JH-GD 26-5VDC	2	Relay	38.95	19.48
M999	2	Thermal Relay	23.37	11.68
T5000HS7001	2	Time Delay Relay	420.98	210.49
CH-12D-26.5VDC	2	Relay	73.76	36.88
JPA-1H3-26.5VDC	2	Relay	63.81	31.90
11SM1-T	2	Relay	5.38	2.69
46420-6	2	Solenoid	24.08	12.04
H3258-028	1	Rotary Solenoid LH	13.15	13.15
H3271-028	1	Rotary Solenoid RH	13.15	13.15
42892	3	Lens and Shutter (H.C.)	187.65	62.55
46420-4	2	Solenoid	26.24	13.12
46420-5	2	Solenoid	26.24	13.12
<u>SUPPLEMENT</u>				
A2-22	4	Shaft	4.14	1.04
42991	3	Shaft	45.18	15.06
34741-2	2	Shaft	55.13	27.56
46420-6	3	Solenoid	42.23	14.08
L-752	6 lbs	Anderol Grease	48.21	8.04
SS-176-4-C41	6	Belt (5/16 x 25- 13/64)	38.14	6.36
Total			\$17,654.20	



ADDED SCOPE  
8214-.97 (81 SERIES)  
SPARE PARTS

SPECIAL HANDLING

<u>Item No.</u>	<u>Quantity</u>	<u>Part No.</u>	<u>Description</u>	<u>Total Selling Price</u>	<u>Unit Selling Price</u>
1	2	46420-4"M"	Solenoid Assembly	29.54	14.77
2	2	50212-G1"B"	Clutch Assembly	117.24	58.62
3	1	50667 "-"	Clutch Assembly	85.90	85.90
4	1	42926G1"G"	Diode Comp. Board	17.29	17.29
5	1	50246G1"-"	Dual Diode Comp.	21.48	21.48
6	1	46420-5"M"	Solenoid Assembly	14.76	14.76
7	6	SR2-5 PPEE	Bearing	13.14	2.19
8	2	SR1810 PPEE	Bearing	6.85	3.42
9	6	SFR144 PPEE	Bearing	16.04	2.67
10	2	SFR155 PPEE	Bearing	5.54	2.77
11	2	SFR156 PPEE	Bearing	5.64	2.82
12	12	SFR 168 PPEE	Bearing	31.41	2.62
13	2	R3-11-50	Slip Clutch	23.83	11.92
14	1	STD-G-4-035-09-1-P1	Gear, Spur	21.13	21.13
15	1	STD-G-4-054-09-1-P1	Gear, Spur	21.13	21.13
16	1	STD-G-3-059-09-1-P1	Gear, Spur	22.38	22.38
17	1	STD-G-3-059-07-2-P1	Gear, Spur	22.38	22.38
18	2	STD-J-3-046-02-1-P1	Gear, Spur	39.78	19.89
19	1	G13-36	Gear, Spur	6.41	6.41
20	1	G14-36	Gear, Spur	5.79	5.79
21	1	G1-40	Gear, Spur	6.69	6.69
22	1	G2-80	Gear, Spur	7.06	7.06
23	1 Set	MBG-21	Gear, Bevel	18.65	18.65
24	3	ISXI-T	Micro Switch	10.15	3.38
25	3	JX-25	Actuator	6.32	2.11
26	1	50312G1"-"	Commutator Assembly	32.97	32.97
27	1	38172-1"D"	Spring, Comm. In	6.94	6.94
28	1	38172-2"D"	Spring Comm. Out	6.94	6.94
29	1	50405."B"	Motor, Drive	116.42	116.42
30	1	R3-11-50	Slip Clutch	12.53	12.53
31	1	AC5-20	Gear, Helical	9.33	9.33
32	1	AC6-40	Gear, Helical	9.94	9.94
33	1 Set	N2-2	Gear, Bevel	23.62	23.62
34	1	G1-46	Gear, Spur	6.84	6.84
35	1	G1-26	Gear, Spur	6.34	6.34
36	1	G63-42	Gear, Spur	10.27	10.27

ADDED SCOPE  
S214-.97 (81 SERIES)  
SPARE PARTS

<u>Item No.</u>	<u>Quantity</u>	<u>Part No.</u>	<u>Description</u>	<u>Total Selling Price</u>	<u>Unit Selling Price</u>
37	1	STD-J-4-056-02-1-P1	Gear, Spur	19.89	19.89
38	1	G11-30	Gear, Spur	6.27	6.27
39	1	STD-G-4-033-09-1-P1	Gear, Spur	21.13	21.13
40	1	STD-G-4-020-09-2-P1	Gear, Spur	21.13	21.13
41	1	STD-G-4-049-09-1-P1	Gear, Spur	21.13	21.13
42	24	SFR 166 PPEE	Bearing	61.99	2.58
43	2	SR 1810 PPEE	Bearing	6.85	3.42
44	1	SFR 155 PP	Bearing	3.18	3.18
45	1	SFR 155 PPEE	Bearing	3.18	3.18
46	1	SR 166 PPEE	Bearing	3.07	3.07
47	1	50312G1"-"	Commutator Assembly	33.79	33.79
48	1	50276"-"	Spring Leaf, In	6.99	6.99
49	1	50276-2"-"	Spring Leaf, Out	6.99	6.99
50	1	47348 "A"	Lens Housing	1115.30	1115.30
51	1	50136 "H"	Shutter High Speed	814.99	814.99
52	1	50353G1"A"	Cover Assembly	116.82	116.82
53	1	50564 "B"	Reseau Plate	387.36	387.36
54	1	50388 "A"	Tube Pin Light	7.05	7.05
55	1	#540-070-01	Lamp-2 Leads 5/8 LG	2.96	2.96
56	1	50575"-"	Photo Cell Assembly	28.41	28.41
57	1	50352G1"C"	Solenoid Assembly	91.28	91.28
58	2	SFR 166 PPEE	Bearing	5.93	2.96
59	4	SFR 144 PPEE	Bearing	10.97	2.74
60	1	50543 "A"	Spur Gear	16.43	16.43
61	1	50579 "A"	Spur Gear	28.54	28.54
62	1	50134 "D"	Reseau Plate	203.84	203.84
63	1	50154 "G"	Reseau Housing	61.54	61.54
64	1	85MM f1.9	Canon Lens	224.59	224.59
65	1	50137 "H"	Shutter (Low Speed)	814.99	814.99
66	1	46420-6 "M"	Solenoid Assembly	13.24	13.24
67	1	50532 "E"	Component BD Assembly	307.32	307.32

SPECIAL HANDLING

SPECIAL HANDLING

ADDED SCOPE  
 8214-.97 (81 SERIES)  
 SPARE PARTS

Item No.	Quantity	Part No.	Description	Total Selling Price	Unit Selling Price
68	1	25r, 25w±3% Type	RH.25 Resistor	2.34	2.34
69	1	#SLIIDA	Relay	23.09	23.09
70	2	#JH-60-26-SVDC	Relay	43.07	21.54
71	1	IN 1614	Diode	27.96	27.96
72	2	5Cr1w224L-1-500	Resistor VAR	19.11	9.56
73	1	#SCIIDA	RElay	21.24	21.24
Total				<u>5422.63</u>	

SPECIAL HANDLING

SPECIAL HANDLING