9/10/98

M/700 ADL Synthetic .30-06 cal. 05 Costing

Description	Part #	Material	Labor	Overhead	Total
Overall Gun	927478	$ 32.90	$ 23.08	$ 66.78	$ 122.76
Receiver	99304	$ 2.35	$ 4.37	$ 14.36	$ 21.08
Barrel	26291	$ 2.05	$ 2.34	$ 8.43	$ 12.82
Bolt Assy	94097	$ 6.71	$ 3.19	$ 8.92	$ 18.82
Stock	106153	$ 6.12	$ 0.51	$ 1.06	$ 7.69
Firecontrol	26345	$ 2.15	$ 2.80	$ 6.69	$ 11.64
Misc		$ 13.52	$ 9.87	$ 27.32	$ 50.71

M/710 Synthetic .30-06 Estimated Cost

Description	Material	Labor	Overhead	Total
Overall Gun	$ 26.29	$ 23.16	$ 64.05	$ 113.51
Receiver	$ 1.68	$ 1.00	$ 3.51	$ 6.20 —
Barrel	$ 3.35	$ 5.05	$ 18.16	$ 26.56 —
Bolt Assy	$ 7.16	$ 3.52	$ 10.87	$ 21.55 —
Stock Assy	$ 6.72	$ -	$ -	$ 6.72
Firecontrol	$ 0.12	$ 1.76	$ 3.47	$ 5.35
Misc	$ 7.26	$ 11.82	$ 28.04	$ 47.13

↳ NEW ?

Comparison: M/700 ADL minus M/710

Description	Material	Labor	Overhead	Total
Overall Gun	$ 6.61	$ (0.08)	$ 2.73	$ 9.26
Receiver	$ 0.67	$ 3.37	$ 10.85	$ 14.88
Barrel	$ (1.30)	$ (2.71)	$ (9.73)	$ (13.74)
Bolt Assy	$ (0.45)	$ (0.33)	$ (1.95)	$ (2.73) * SAME AS M/700 → $110.78
Stock	$ (0.60)	$ 0.51	$ 1.06	$ 0.97
Firecontrol	$ 2.03	$ 1.04	$ 3.22	$ 6.29
Misc.	$ 6.26	$ (1.95)	$ (0.72)	$ 3.58

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M/710 ESTIMATE - REV 3 HIGH SPOT ONLY

PART DESCRIPTION	Engineer Purchasing Vendor	Proposed Process	Capital Dollars	Operations Dollars	Material $	Labor $	Over Head $	Estimated Piece Price
Barrel Assembly	Santillo	Assemble & Machine	$ 125,000	$ 7,500	$ -	$ 2 44	$ 3 88	$ 6 32
Barrel	Parkhurst/ LeMay	Machined	$ 488,500	$ 12,500	$ -	$ 4 37	$ 15 45	$ 19 82
Blank	Swanson	Machined	$ 13,000	$ 1,000	$ 3.35	$ 0 68	$ 2 71	$ 6.74
Front Sight Assembly	Santillo	Assemble	$	$ -	$ -	$ 0.15	$ 0 35	$ 0 50
Take Down Screws (2)	Santillo	A/U M/700	$	$ -	$ 0 04	$ 0 00	$ 0 00	$ 0 09
Ramp	Santillo	A/U M/700	$ -	$ -	$ 0 02	$ 0.25	$ 0.89	$ 1 16
Sight	Santillo	A/U M/700	$ -	$ -	$ 0 04	$ -	$ -	$ 0 04
Rear Sight Assembly	Santillo	A/U M/700	$	$ -	$ -	$ 0 17	$ 0 36	$ 0 53
Take Down Screws (2)	Santillo	A/U M/700	$ -	$ -	$ 0.04	$ 0.00	$ 0 00	$ 0 09
Base	Santillo	A/U M/700	$	$ -	$ 0 16	$ 0 17	$ 0 56	$ 0 89
Slide	Santillo	A/U M/700	$ -	$ -	$ 0 07	$ 0.38	$ 1.02	$ 1.47
Aperture	Santillo	A/U M/700	$ -	$ -	$ 0.00	$ 0.08	$ 0 27	$ 0 35
Elevation Screw	Santillo	A/U M/700	$ -	$ -	$ 0 02	$ -	$ -	$ 0.02
Windage Screw	Santillo	A/U M/700	$ -	$ -	$ 0 02	$ 0 00	$ 0.00	$ 0.02
Rib	Santillo	A/U M/700	$ -	$ -	$ 0 02	$ 0.04	$ 0 11	$ 0 17
Rib Spacer	Santillo	A/U M/700	$ -	$ -	$ 0.00	$ 0 04	$ 0 21	$ 0.25
Bolt Assembly	Zarnoch	Finish			$ -	$ 1 31	$ 4 54	$ 5 85
Bolt Body	Swanson	Machined	$ 85 000	$ 500	$ 0 45	$ 0 13	$ 0 53	$ 1 11
Bolt Handle	Santillo	Screw Mach	$ -	$ 500	$ 1 47	$ -	$ -	$ 1 47
Bolt Head	Swanson	Machined	$ 198,000	$ 500	$ 1 60	$ 1 70	$ 4 85	$ 8.15
Bolt Head Retaining Pin	Santillo	Purchase	$ -	$	$ 0.15	$ -	$ -	$ 0 15
Bolt Plug	Swanson	Synthetic	$ 28,500	$ 1,000	$ 0 03	$ 0 19	$ 0 53	$ 0.75
Extractor	Santillo	A/U M/700	$ -	$ -	$ 0 72	$ 0 00	$ 0.01	$ 0 73
Snap Ring	Santillo	Purchase	$ -	$ -	$ 0.58	$ -	$ -	$ 0.58
Firing Pin Head	Santillo	Machined		$ 950	$	$ 0 12	$ 0 23	$ 0 35
Firing Pin Head Blank	Ogrodnik	MIM	$ 39,000		$ 0 71	$ -	$ -	$ 0 71
Firing Pin	Santillo	Screw Mach		$ 1,850	$ 1 30	$ 0 06	$ 0 16	$ 1 52
Firing Pin Spring	Santillo	Compression Spg			$ 0.14	$ -	$ -	$ 0 14
R Initial Plug	Swanson	Synthetic	$ 6,000		$ 0.01	$ 0 01	$ 0 03	$ 0 05

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PART DESCRIPTION	Engineer Purchasing Vendor	Research Proposed Process	Capital Dollars	Operations Dollars	Material $	Labor $	Over Head $	Estimated Piece Price
Fire Control Assembly	Santillo	Assemble			$ -	$ 1.25	$ 2.38	$ 3.63
Sear Safety Cam	Santillo	AU M/700			$ 0.26	$ 0.15	$ 0.57	$ 0.98
Safety Assembly	Santillo	AU M/700			$ 0.26	$ 0.09	$ 0.30	$ 0.65
Safety Spring	Santillo	Purchase			$ 1.25	$ -	$ -	$ 1.25
Safety Pivot Pin	Santillo	AU M/700			$ 0.05	$ 0.00	$ 0.00	$ 0.06
Sear Spring	Santillo	AU M/700			$ 0.02	$ -	$ -	$ 0.02
Trigger	Santillo	AU M/700			$ 0.01	$ 0.44	$ 1.35	$ 1.80
Trigger Screw Front	Santillo	AU M/700			$ 0.10	$ 0.00	$ 0.00	$ 0.10
Trigger Connector	Santillo	AU M/700			$ 0.94	$ 0.12	$ 0.30	$ 1.35
Trigger Engagement Screw	Santillo	AU M/700			$ 0.02	$ 0.00	$ 0.00	$ 0.03
Trigger Pin	Santillo	AU M/700			$ 0.09	$ 0.00	$ 0.00	$ 0.10
Trigger Spring	Santillo	AU M/700			$ 0.03	$ -	$ -	$ 0.03
Trigger Stop Screw	Santillo	AU M/700			$ 0.06	$ 0.00	$ 0.00	$ 0.06
Trigger Housing Assembly	Santillo	AU M/700			$ -	$ 1.64	$ 3.11	$ 4.75
Trigger Housing Blank	Swanson	Synthetic	$ 15,000	$ 1,000	$ 0.12	$ 0.12	$ 0.35	$ 0.60
Receiver	Zarnoch	Machine	$ 108,180	$ 2,050	$ 1.68	$ 1.00	$ 3.51	$ 6.20
Magazine Assembly	Santillo	A/U M/7600	$ -	$ -	$ 3.31	$ 0.57	$ 1.24	$ 5.12
Stock Assembly W/Butt Plate	Swanson	Synthetic	$ 125,000	$ -	$ -	$ -	$ -	$ 6.72
Stock Assembly W/ Recoil Pad	Swanson	Synthetic	$ 160,000	$	$ -	$ -	$ -	$ 10.30
Tang	Swanson	Synthetic	$ 25,000	$ 1,000	$ 0.50	$ 0.12	$ 0.35	$ 0.98

ET36053

PART DESCRIPTION	Engineer Purchasing Vendor	Research Proposed Process	Machine Purchase	Rem Fixed Tooling	Material $	Labor $	Over Head $	Estimated Piece Price
Build to label/Foam block/Box labels					$ 0 01	$ -	$ -	$ 0 01
Foam Block					$ 0.07	$ -	$ -	$ 0 07
Box and Envelope Labels					$ 0 07	$ -	$ -	$ 0 07
Assy/Proof/Gallery/Inspect/Pack	Joy				$ 2 17	$ 5 37	$ 13 88	$ 21 42
Proof/Function Ammo (4.6*.25)	Joy				$ 1.15	$ -	$ -	$ 1 15
Pack	Joy			$ 1,250	$ 2 24	$ -	$ -	$ 2.24
Manual	Santillo				$ 0 92	$ -	$ -	$ 0 92
Trial and Pilot Testing								
Guns								
Ammunition (90,000 x .$ 25 rds)								
Manpower (3 menx40 hrsx4weeksx$45.00)								
Totals:			**$ 1,256,180**	**$ 31,600**	**$ 26.29**	**$ 23.16**	**$ 64.05**	**$ 113.51**

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Total Capital	**$**	**1,256,180**
Total Operations	**$**	**31,600**
Total Project	**$**	**1,287,780**

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FUNC ICST ITEM COST DATA 09/08/98
DATA: INQ
ITEM: 927478 COST TYPE: 05 NEXT YEAR FORECAST OPER:
700 30-06 ADL SYN COST YIELD LOSS IND N
CDS DATE 090498
COST ROLLUP Y UM: EA REV LEVEL: 21 RECOST DATE:
090498
COST CTL CD: M M/B: 1 COST OVR CD: N TEXT ID ________
SHRINKAGE 0 MATERIAL OH CODES ____ ____ ____ ____
EXCEP CODES: 19,23

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*************VALUE ADDED COSTS*************  VALUE  MATERIAL       0.00
     0.00      M01      0 00     M02  ADDED  LABOR          4 835228
     0.00      M03      0 00     M04  COSTS  OVERHEAD       11.349374
     1.390965  O05      2.339153  O06        TOTAL          16.184602
     4.540281  O07      2.345085  O08
     0.00      M09      0 00     M10  COMP   MATERIAL       32.903432
     4.835228  L11      0.73389   O12  COSTS  LABOR         18.24676
****************TOTAL COSTS****************       OVERHEAD  55.435831
     4.399222  M01      0.00      M02        TOTAL          106.586023
     19.910904 M03      0.922696  M04
     17.278015 O05      11.771131 O06  TOTAL  MATERIAL      32.903432
     21.847387 O07      11.493658 O08  COSTS  LABOR         23 081988
     7.662     M09      0.00861   M10         OVERHEAD      66.785205
     23.081988 L11      4 395014  O12         TOTAL         122.770625
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ET36056

FUNC ICST ITEM COST DATA 09/08/98
DATA INQ
ITEM: 99304 COST TYPE: 05 NEXT YEAR FORECAST OPER
700 REC LA MATTE CARBON COST YIELD LOSS IND N
CDS DATE: 090498
COST ROLLUP: Y UM EA REV LEVEL 01 RECOST DATE
090498
COST CTL CD M M/B 1 COST OVR CD: N TEXT ID: ________
SHRINKAGE: 0 MATERIAL OH CODES: ____ ____ ____ ____
EXCEP CODES 19

*************VALUE ADDED COSTS************* VALUE MATERIAL 0.00
0.00 M01 0.00 M02 ADDED LABOR 4.371074
0.00 M03 0.00 M04 COSTS OVERHEAD 14.361177
4.872035 O05 2.353814 O06 TOTAL 18.732251
4.104436 O07 2.119969 O08
0.00 M09 0.00 M10 COMP MATERIAL 2.3484
4.371074 L11 0.910923 O12 COSTS LABOR 0.00
****************TOTAL COSTS**************** OVERHEAD 0.00
2.3484 M01 0.00 M02 TOTAL 2.3484
0.00 M03 0.00 M04
4.872035 O05 2.353814 O06 TOTAL MATERIAL 2.3484
4.104436 O07 2.119969 O08 COSTS LABOR 4.371074
0.00 M09 0.00 M10 OVERHEAD 14.361177
4.371074 L11 0.910923 O12 TOTAL 21.080651

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FUNC: ICST              ITEM COST DATA                    09/08/98
DATA:                                            INQ
ITEM: 26291          COST TYPE  05  NEXT YEAR FORECAST        OPER:
700 BARREL 30/06 22"       COST YIELD LOSS IND: N
                                        CDS DATE: 090498
COST ROLLUP: Y    UM: EA      REV LEVEL    10          RECOST DATE:
090498
COST CTL CD: M     M/B: 1      COST OVR CD: N           TEXT ID: ________
SHRINKAGE  0            MATERIAL OH CODES: ___  ___  ___  ___


*************VALUE ADDED COSTS************* VALUE  MATERIAL        0 00
     0.00      M01       0.00      M02  ADDED  LABOR          1.977343
     0.00      M03       0.00      M04  COSTS  OVERHEAD          7.108154
     2.705007  O05       1.085562  O06       TOTAL          9.085497
     1.856724  O07       0.959012  O08
     0.00      M09       0.00      M10  COMP   MATERIAL        2.046636
     1.977343  L11       0 501849  O12  COSTS  LABOR           0.362492
****************TOTAL COSTS****************         OVERHEAD        1 326064
     2.046636  M01       0.00      M02        TOTAL         3.735192
     0.00      M03       0.00      M04
     3.316434  O05       1.237152  O06  TOTAL  MATERIAL        2.046636
     2.197104  O07       1.134821  O08  COSTS  LABOR           2.339835
     0.00      M09       0.00      M10        OVERHEAD        8.434218
     2.339835  L11       0 548707  O12        TOTAL          12.820689
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FUNC ICST              ITEM COST DATA                09/08/98
DATA:                                         INQ
ITEM: 26345          COST TYPE: 05 NEXT YEAR FORECAST       OPER
700 TRIG ASSB          COST YIELD LOSS IND: N
                                  CDS DATE: 090498
COST ROLLUP: Y    UM EA      REV LEVEL:  02        RECOST DATE
090498
COST CTL CD  M    M/B  1     COST OVR CD: N         TEXT ID: ________
SHRINKAGE:  0          MATERIAL OH CODES: ____ ____ ____ ____
EXCEP CODES: 23

*************VALUE ADDED COSTS************* VALUE  MATERIAL      0.00
    0.00     M01      0.00     M02  ADDED  LABOR        1.248409
    0.00     M03      0.00     M04  COSTS  OVERHEAD      2 37535
    0.019975 O05      0.540061 O06         TOTAL        3.623759
    1 172257 O07      0.605479 O08
    0.00     M09      0.00     M10  COMP   MATERIAL      2.155935
    1.248409 L11      0.037578 O12  COSTS  LABOR          1.546905
****************TOTAL COSTS****************    OVERHEAD      4 317292
    0.004186 M01      0.00     M02      TOTAL        8.020132
    1.864717 M03      0.028061 M04
    0.924139 O05      1.316439 O06  TOTAL  MATERIAL      2 155935
    2.722089 O07      1.416104 O08  COSTS  LABOR        2.795314
    0.253    M09      0.005971 M10       OVERHEAD     6.692642
    2.795314 L11      0 313871 O12       TOTAL        11.643891
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ET36059

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FUNC: ICST              ITEM COST DATA                     09/08/98
DATA:                                              INQ
ITEM: 106153          COST TYPE: 05  NEXT YEAR FORECAST       OPER:
700 SYN STK LA ADL        COST YIELD LOSS IND  N
                                      CDS DATE: 090498
COST ROLLUP: Y    UM: EA      REV LEVEL   01          RECOST DATE:
090498
COST CTL CD: M    M/B: 1      COST OVR CD: N          TEXT ID: ________
SHRINKAGE   0          MATERIAL OH CODES: ____ ____ ____ ____


*************VALUE ADDED COSTS************* VALUE  MATERIAL        0 00
     0.00     M01        0.00      M02  ADDED  LABOR          0.51008
     0 00     M03        0.00      M04  COSTS  OVERHEAD         1.062905
     0.016833  O05        0.24545   O06       TOTAL          1 572985
     0.478965  O07        0.247389  O08
     0.00     M09        0.00      M10  COMP   MATERIAL         6.122
     0.51008   L11        0.074268  O12  COSTS  LABOR            0.00
****************TOTAL COSTS****************         OVERHEAD         0.00
     0.00     M01        0.00      M02       TOTAL           6 122
     0.12     M03        0.00      M04
     0.016833  O05        0.24545   O06  TOTAL  MATERIAL         6.122
     0.478965  O07        0.247389  O08  COSTS  LABOR           0.51008
     6.002    M09        0.00      M10        OVERHEAD         1 062905
     0.51008   L11        0.074268  O12        TOTAL          7 694985
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ET36060