9/16/98

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 3

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 → $10.78
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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REV2-EST XLS

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

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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**

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

*************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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CONFIDENTIAL

ET36056

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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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CONFIDENTIAL

ET36057

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: ___ ___ ___ ___

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*************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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ET36058

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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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CONFIDENTIAL

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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