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USPS LR-J-64 / Docket No. R2001-1

Cost Models Supporting USPS-T-25

LR-J-64: Cost Models Supporting USPS-T-25

Purpose

The purpose of this library reference is to provide all the cost models that support USPS-T-25. This is a Category 2 library reference sponsored by witness Eggleston (USPS-T-25). The results of these cost models are used by witness Patelunas (USPS-T-12), witness Kay (USPS-T-22), witness Kiefer (USPS-T-33), witness Mayo (USPS-T-36), and witness Abdirahman (USPS-T-42). The cost models presented in this library reference are provided in both hard copy and electronic copy. The following table gives a description of each attachment (as it relates to USPS-T-25) and maps it to the proper electronic file.

Attachment	Description of Attachment	File Name
Attachment A	Parcel Post Mail Processing Cost Model	1ppmp.xls
Attachment B	Parcel Post Transportation Cost Model	2pptran.xls
Attachment C	Alternative Parcel Post Distance-Related Costs	2pptran.xls
Attachment D	Bound Printed Matter Mail Processing Cost Model	3bpmmp.xls
Attachment E	Bound Printed Matter Flat/Parcel Differential	3bpmmp.xls
Attachment F	Bound Printed Matter Transportation Cost Model	4bpmtran.xls
Attachment G	Media Mail Mail Processing Model	5medmp.xls
Attachment H	BPRS Cost Model	6bprs.xls
Attachment I	Final Adjustments Model	fa_u.xls
Attachment J	BMC data	8attj.xls

Attachment A

PARCEL POST MAIL PROCESSING COST SUMMARY AND DEVELOPMENT

Table 1: Nonmodel Cost Factor Development

Weighted Avg Model Cost	[redacted]	1/
Proportional Cost Pools	$1.360	2/
CRA Proportional Adjustment	[redacted]	3/
CRA Fixed Adjustment	$0.170	4/

Sources for Table 1
Attachment A pages 8 to 22.
Attachment A page 2.
Row (2) / row (1).
Attachment A, page 2.

Table 2: Total Cost Development

	[1] Model Cost (Attachment A, pages 8 through 23)	[2] Proportional Adjustment (= row (3))	[3] Fixed Adjustment (= row (4))	[4] Adjusted Cost (= [1] * [2] + [3])	
Inter Mach	$1.890	[redacted]	0.170	[redacted]	[4a]
Inter NMO	$4.477		0.170		[4b]
Inter NMO > 108"	$11.160		0.170		[4c]
Intra Mach	$1.499		0.170		[4d]
Intra NMO	$3.469		0.170		[4e]
Intra NMO > 108"	$8.667		0.170		[4f]
DBMC Mach	$0.927		0.170		[4g]
DBMC NMO	$2.416		0.170		[4h]
DBMC >108"	$4.901		0.170		[4i]
DSCF Mach	[redacted]		0.170		[4j]
DSCF NMO			0.170		[4k]
NEW DSCF 3-digit NMO	$1.317		0.170		[4l]
DSCF > 108	[redacted]		0.170		[4m]
DDU Mach	$0.132		0.170		[4n]
DDU NMO	$0.197		0.170		[4o]
DDU > 108	$0.385		0.170		[4p]

Table 3: Parcel Post Unit Cost Difference Summary

	Cost Difference [5]		Sources for Cost Differences:
Total BMC Presort Cost Savings			
Mach	[redacted]	[5a]	Attachment A, page 24.
NMO		[5b]	Attachment A, page 24.
Weighted		[5c]	Attachment A, page 24.
Total OBMC Cost savings			
Mach	[redacted]	[5d]	[5a] + [5g].
NMO		[5e]	[5b] + [5j].
Weighted			
Intra mach cost savings (compared to Inter mach)	[redacted]	[5f]	[4a] - [4d].
DBMC Mach Cost Savings	[redacted]	[5g]	[5h] + [5i].
DBMC mach mail procesasing cost savings (compared to Intra mach)		[5h]	[4d] - [4g].
Window Cost savings		[5i]	*Attachment A, page 27, row 15.*
DBMC NMO Cost Savings	[redacted]	[5j]	[5i] + [5k].
DBMC NMO mail procesasing cost savings (compared to Intra NMO)		[5k]	[5e] - [5h].
DSCF Savings compared to DBMC			
Mach	[redacted]	[5l]	[4j] - [4g].
NMO		[5m]	[4h] - [4k].
Weighted Average		[5n]	[5l] * (% mach) + [5m] * (% nmo).
DDU savings compared to *DBMC*			
Mach	[redacted]	[5o]	[4g] - [4n].
NMO		[5p]	[4o] - [4h].
Weighted Average		[5q]	[5o] * (% mach) + [5q] * (% nmo).
Cost Data to support NMO surcharge			
Inter NMO cost difference	[redacted]	[5r]	[4b] - [4a].
Intra NMO cost difference		[5s]	[4e] - [4d].
DBMC NMO cost difference		[5t]	[4h] - [4d].
Cost Data to support NMO >108 rate			
Inter NMO > 108 cost difference	[redacted]	[5u]	[4c] - [4a].
Intra NMO > 108 cost difference		[5v]	[4f] - [4d].
DBMC NMO > 108 cost difference		[5w]	[4i] - [4g].
DSCF NMO > 108 cost difference		[5x]	[4m] - [4j].
DDU NMO > 108 cost difference		[5y]	[4n] - [4p]
Proposed 3-digit presort (additional cost compared to DSCF weighted average)	[redacted]	[5z]	[4l] - (% mach) * [4j]- (% nmo) * [4k].
Barcode Discount	[redacted]	[5aa]	Attachment A, page 26, row 4.

PARCEL POST MAIL PROCESSING COST SUMMARY AND DEVELOPMENT

Table 1: Nonmodel Cost Factor Development

			Sources for Table 1
Weighted Avg Model Cost	$1.057	1/	Attachment A pages 8 to 22.
Proportional Cost Pools	$1.360	2/	Attachment A page 2.
CRA Proportional Adjustment	1.286	3/	Row (2) / row (1).
CRA Fixed Adjustment	$0.170	4/	Attachment A, page 2.

Table 2: Total Cost Development

	[1] Model Cost (Attachment A, pages 8 through 23)	[2] Proportional Adjustment (= row (3))	[3] Fixed Adjustment (= row (4))	[4] Adjusted Cost (= [1] * [2] + [3])	
Inter Mach	$1.890	1.286	0.170	$2.601	[4a]
Inter NMO	$4.477	1.286	0.170	$5.929	[4b]
Inter NMO > 108"	$11.160	1.286	0.170	$14.523	[4c]
Intra Mach	$1.499	1.286	0.170	$2.098	[4d]
Intra NMO	$3.469	1.286	0.170	$4.632	[4e]
Intra NMO > 108"	$8.667	1.286	0.170	$11.317	[4f]
DBMC Mach	$0.927	1.286	0.170	$1.363	[4g]
DBMC NMO	$2.416	1.286	0.170	$3.277	[4h]
DBMC >108"	$4.901	1.286	0.170	$6.473	[4i]
DSCF Mach	$0.428	1.286	0.170	$0.720	[4j]
DSCF NMO	$1.085	1.286	0.170	$1.566	[4k]
NEW DSCF 3-digit NMO	$1.317	1.286	0.170	$1.864	[4l]
DSCF > 108	$2.999	1.286	0.170	$4.027	[4m]
DDU Mach	$0.132	1.286	0.170	$0.340	[4n]
DDU NMO	$0.197	1.286	0.170	$0.423	[4o]
DDU > 108	$0.385	1.286	0.170	$0.665	[4p]

Table 3: Parcel Post Unit Cost Difference Summary

	Cost Difference [5]		Sources for Cost Differences:
Total BMC Presort Cost Savings			
Mach	$0.283	[5a]	Attachment A, page 24.
NMO	$0.326	[5b]	Attachment A, page 24.
Weighted	$0.284	[5c]	Attachment A, page 24.
Total OBMC Cost savings			
Mach	$1.152	[5d]	[5a] + [5g].
NMO	$1.816	[5e]	[5b] + [5j].
Weighted	$1.174		
Intra mach cost savings (compared to Inter mach)	$0.504	[5f]	[4a] - [4d].
DBMC Mach Cost Savings	$0.870	[5g]	[5h] + [5i].
DBMC mach mail procesasing cost savings (compared to Intra mach)	$0.734	[5h]	[4d] - [4g].
Window Cost savings	$0.135	[5i]	Attachment A, page 27, row 15.
DBMC NMO Cost Savings	$1.490	[5j]	[5i] + [5k].
DBMC NMO mail procesasing cost savings (compared to Intra NMO)	$1.355	[5k]	[5e] - [5h].
DSCF Savings compared to DBMC			
Mach	$0.643	[5l]	[4j] - [4g].
NMO	$1.711	[5m]	[4h] - [4k].
Weighted Average	$0.707	[5n]	[5l] * (% mach) + [5m] * (% nmo).
DDU savings compared to DBMC			
Mach	$1.023	[5o]	[4g] - [4n].
NMO	$2.854	[5p]	[4o] - [4h].
Weighted Average	$1.133	[5q]	[5o] * (% mach) + [5q] * (% nmo).
Cost Data to support NMO surcharge			
Inter NMO cost difference	$3.327	[5r]	[4b] - [4a].
Intra NMO cost difference	$2.534	[5s]	[4e] - [4d].
DBMC NMO cost difference	$1.914	[5t]	[4h] - [4d].
Cost Data to support NMO >108 rate			
Inter NMO > 108 cost difference	$11.922	[5u]	[4c] - [4a].
Intra NMO > 108 cost difference	$9.219	[5v]	[4f] - [4d].
DBMC NMO > 108 cost difference	$5.110	[5w]	[4i] - [4g].
DSCF NMO > 108 cost difference	$3.307	[5x]	[4m] - [4j].
DDU NMO > 108 cost difference	$0.325	[5y]	[4n] - [4p]
Proposed 3-digit presort (additional cost compared to DSCF weighted average)	$1.093	[5z]	[4l] - (% mach) * [4j]- (% nmo) * [4k].
Barcode Discount	$0.03	[5aa]	Attachment A, page 26, row 4.

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PARCEL POST MAIL PROCESSING CRA COST POOLS

From USPS LR-J-53

Cost Pools		Total (Cents)	Proportional (Cents)	Fixed (Cents)
MODS 11	BCS/	0.136		0.136
MODS 11	BCS/DBCS	0.054		0.054
MODS 11	OCR/	0.007		0.007
MODS 12	FSM/	0.121		0.121
MODS 12	FSM/1000	0.059		0.059
MODS 12	LSM/	0.000		0.000
MODS 13	MECPARC	0.663	0.663	
MODS 13	SPBS OTH	2.182		2.182
MODS 13	SPBSPRIO	0.875		0.875
MODS 13	1SACKS_M	1.579		1.579
MODS 14	MANF	0.097		0.097
MODS 14	MANL	0.128		0.128
MODS 14	MANP	2.446	2.446	
MODS 14	PRIORITY	0.198		0.198
MODS 15	LD15	0.000		0.000
MODS 17	1BULK PR	0.028		0.028
MODS 17	1CANCMPP	0.817		0.817
MODS 17	1OPBULK	1.441		1.441
MODS 17	1OPPREF	3.610		3.610
MODS 17	1PLATFRM	12.256	12.256	
MODS 17	1POUCHNG	2.373	2.373	
MODS 17	1SACKS_H	5.390	5.390	
MODS 17	1SCAN	0.210		0.210
MODS 18	BUSREPLY	0.385		0.385
MODS 18	EXPRESS	0.004		0.004
MODS 18	MAILGRAM	0.000		
MODS 18	REGISTRY	0.171		0.171
MODS 18	REWRAP	0.138		0.138
MODS 18	1EEQMT	0.142		0.142
MODS 19	INTL	0.260		0.260
MODS 41	LD41	0.089		0.089
MODS 42	LD42	0.000		0.000
MODS 43	LD43	6.767	6.767	
MODS 44	LD44	0.225		0.225
MODS 48	LD48 EXP	0.000		0.000
MODS 48	LD48_SSV	0.375		0.375
MODS 49	LD49	0.049		0.049
MODS 79	LD79	0.119		0.119
MODS 99	1SUPP_F1	0.658		0.658
MODS 99	1SUPP_F4	1.315		1.315
Mods Subtotal		**45.367**	**29.895**	**15.473**
BMCS	NMO	12.147	12.147	
BMCS	OTHR	27.574	27.574	
BMCS	PLA	29.795	29.795	
BMCS	PSM	11.225	11.225	
BMCS	SPB	2.682	2.682	
BMCS	SSM	3.549	3.549	
BMC Subtotal		**86.971**	**86.971**	**0.000**
NON MODS	ALLIED	7.177	7.177	
NON MODS	AUTO/MEC	0.121		0.1208
NON MODS	EXPRESS	0.000		0.0000
NON MODS	MANF	0.264		0.264
NON MODS	MANL	0.096		0.096
NON MODS	MANP	11.923	11.9230	
NON MODS	MISC	1.021		1.0214
NON MODS	REGISTRY	0.062		0.0618
Non Mods Subtotal		**20.664**	**19.100**	**1.564**
Total		**153.003**	**135.966**	**17.037**

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Productivities and Variabilities for Direct Labor Operations

	Productivities (Units per Wkhr)	
UNLOADING		
Unload sacked machinable parcels to extended conveyor	186.2	1/
Unload machinable parcels to extended conveyor	620.1	1/
Unload non-machinable parcels	160.7	1/
Unload non-machinable parcels to IHC only (proxy for sacks)	153.5	1/
Unload wheeled containers	20.7	1/
Unload Pallets/Postal Paks/Pallet Box	12.2	1/
DUMPING & SACK HANDLING		
Dump Containers	6.5	1/
Sack shake out	72.3	1/
Manually dump sacks at Non-BMC	110.4	2/
Sack sorter (PIRS 98)	420.0	3/
PARCEL SORTING MACHINE DISTRIBUTION		
Primary Rate	813.0	3/
Secondary Rate	1224.0	3/
100 percent Key Rate	806.0	4/
NONMACHINABLE OUTSIDES DISTRIBUTION		
NMO Distribution	100.0	3/
NMO Distribution at SCFs	497.7	5/
Parcel Sort at AO	460.6	7/
OTHER OPERATIONS		
Tend container loader/sweep runouts	5.4	1/
Crossdock containers	7.0	1/
Sack and Tie	125.4	1/
LOADING		
Bedload NMOs to van from IHCs (proxy for machinables)	175.9	1/
Bedload Sacked Machinables	181.8	1/
Load wheeled containers	10.4	1/
Load Pallets/Postal Paks/Pallet Boxes	13.3	1/
Variabilities		
BMC Platform	0.95	6/
BMC Other	0.98	6/
PSM	1.00	6/
SSM	1.00	6/
SSB	1.00	6/
NMO Distribution at BMCs	1.00	6/
Platform Non-BMC	0.90	6/
NMO Distribution at Non-BMCs	0.44	6/
LDC43	0.94	6/

Sources

1/: Docket No. R97-1, LR-H-132, page 329.
2/: Proxy based on Planning Guidelines (PGLs).
3/: National Database, PIRS average 1995 - 2000.
4/: National Database, PIRS FY93, (pure keying, no prebarcode).
5/: LR-J-65, MODS, Operation 200.
6/: USPS-T-14, Table 1, variabilities.
7/: LR-J-64, Attachment D, page 2 (sorting 5-digit to carrier-route)

Arrival and Dispatch Profiles

	Arrival and Dispatch Percentages	
Mail Flow Arrival Profile at Originating BMCs		
Machinable Parcels Arriving in Bedloaded Sacks at BMC	4.3%	1/
Machinable Parcels Arriving Bedloaded at BMC	7.0%	1/
Machinable Parcels Arriving sacked in OTRs at BMC	11.5%	1/
Machinable Parcels Arriving loose in OTRs at BMC	51.1%	1/
Machinable Parcels Arriving Palletized at BMC	1.6%	1/
Machinable Parcels Arriving in Pallet Boxes at BMC	0.9%	1/
Machinable Parcels Arriving in Hampers/APC/OWC (OWC) at BMC	23.6%	1/
Non-Machinable Parcels Arriving Bedloaded at BMC	4.0%	1/
Non-Machinable Parcels Arriving Palletized at BMC	1.3%	1/
Non-Machinable Parcels Arriving in OTR Containers at BMC	72.5%	1/
Non-Machinable Parcels Arriving in Hampers/APC/OWC (OWC) at BMC	22.2%	1/
Mail Flow Arrival Profile from Origin BMCs to Destination BMCs		
Machinable Parcels Arriving in Postal Paks at Destination BMC (from Origin BMC)	100.0%	2/
NMOs Arriving Palletized at Destination BMC (from Origin BMC)	100.0%	2/
Mail Flow Arrival at Destinating BMCs for DBMC parcels		
Machinable Parcel Arriving Bedloaded at DBMC	96.2%	3/
Machinable Parcels Arriving on Pallets at DBMC	0.3%	3/
Machinable Parcels Arriving in OTRs at BMC	0.8%	3/
Machinable Parcels Arriving in Gaylords at DBMC	2.6%	3/
Machinable Parcels arriving in OWC at DBMC	0.1%	3/
Non-Machinable Parcels Arriving Bedloaded at DBMCs	98.5%	3/
Non-Machinable Parcels Arriving in Pallet Boxes at DBMC	0.7%	3/
Non-Machinable Parcels Arriving on Pallets at DBMC	0.8%	3/
Mail Flow Dispatch Profiles From BMCs to Service Area		
Machinable Parcels Dispatched in Bedloaded Sacks to Service Area	23.8%	4/
Machinable Parcels Dispatched loose in OTRs to Service Area	60.3%	4/
Machinable Parcels Dispatched sacked in OTRs to Service Area	2.9%	4/
Machinable Parcels Dispatched in Hampers/APC/OWC (OWC) to Service Area	13.0%	4/
Non-Machinable Parcels Dispatched Bedloaded to Service Area	12.9%	5/
Non-Machinable Parcels Dispatched on Pallets to Service Area	31.0%	5/
Non-Machinable Parcels Dispatched in OTRs to Service Area	53.6%	5/
Non-Machinable Parcels Dispatched in Hampers/APC/OWC (OWC) to Service Area	2.5%	5/
Mail Flow Dispatch Profiles to Delivery Unit		
Machinable Parcels Dispatched in Bedloaded Sacks ot Delivery Unit	26.7%	6/
Machinable Parcels Dispatched loose in OTRs to Service Area to Delivery Unit	60.3%	6/
Machinable Parcels Dispatched in OWC to Delivery Unit	13.0%	6/
Non-Machinable Parcels Dispatched Bedloaded to Delivery Unit	26.7%	7/
Non-Machinable Parcels Dispatched in OTRs to Delivery Unit	60.3%	7/
Non-Machinable Parcels Dispatched in Hampers/APC/OWC (OWC) to Delivery Unit	13.0%	7/

Sources

1/: Docket No. R97-1 USPS LR-H-131, Table 1. Assume 61.6 of bedloaded is loose and 38.4 is sacked.
Assume 81.6 percent of mail in OTRs is loose and 18.4 percent is sacked (Docket No. R97-1, LR-H-132, page 277).

2/: Assumptions that 100 percent of parcels going from BMC to BMC will be in Postal Paks.

3/: Unload Profile and # of handlings are from Docket No. R97-1 USPS-LR-H-131, Table 2.

4/: Docket No. R97-1 USPS LR-H-132, Attachment 1, page 274.

5/: Docket No. R97-1 USPS LR-H-132, Attachment 3, page 278.

6/: Assume same as dispatch profile as BMC, but sacks in OTRs get bedloaded.

7/: Use Dispatch profile of machinables as a proxy, use bedloaded sacks for bedloaded NMOs.

Other Inputs

Wage Rate with Premium Pay Factor Applied	30.5933	1/
Premium Pay Factor	0.992	2/
TY Other mail processing wage rate	$30.840	3/
Window Service Adjustment Factor	1.137	4/
Window Service Base year wage rate	28.422	5/
Window Service Test year wage rate	32.306	6/
Mail Processing Operation Specific Piggyback Factors		
NMO Sorting at BMC	1.567	7/
Other Operations at BMCs	1.482	7/
Platform BMC	1.784	7/
Parcel Sorting Machine	2.140	7/
Sack Sorting Machine - BMC	2.075	7/
NMO Sorting at SCF	1.501	7/
Platform Non-BMC	1.655	7/
NonMODS Allied	1.473	7/
NonMODSMANP	1.458	7/
Window Service Piggyback factor (Parcel Post)	1.465	8/
Secondary PSM (unit costs)	0.063	9/
Mail Flow Operating Assumptions		
Percent with direct transportation to destinating delivery unit from BMC	12.3%	10/
Percent Sorted to 5-Digits by Primary Parcel Sorting Machine	20.1%	11/
Destinating BMCs will feed barcoded destinating mail unfiltered to secondary	20.8%	12/
Probability that mail fed directly to nonspecific secondary will receive more than one sort	50.0%	13/
Probability that barcode on secondary will not be readable	3.0%	14/
Proportion of parcel singulators (SSIU) being at secondary	100.0%	15/
Proportion sent from secondary to primary due to SSIU	0.0%	16/
Probability of Inter-BMC parcel going to primary psm at destination BMC	83.4%	17/
Probability of Inter-BMC parcel being handled by SSIU in destination BMC	94.5%	18/
Probability of Intra-BMC and DBMC parcels going to primary psm (or get keyed)	100.00%	19/
Probability of Intra-BMC and DBMC on secondary psm	79.9%	20/
Probability that NMOs will NOT be inducted on the conveyor system (not used for NMOs over	41.2%	21/
Probability that NMOs will be NOT be moved using towveyor (not used for pallets)	31.4%	21/

Sources

1/: (2) * (3).
2/: USPS-T-15, Attachment 14, All facilities premium pay factor.
3/: LR-J-55, part VIII, page 2, other mail processing wage rate.
4/: (6) / (5).
5/: Base year wage rate. LR-J-55, part VIII, page 2.
6/: Test-year wage rate LR-J-55, part VIII, page 2.
7/: USPS-T-15, Attachment 12, Operation specific piggyback factor.
8/: USPS-T-15, Attachment 10, window service piggyback factor.
9/: USPS-T15, Attachment 12, page 2, w/keying labor unit piggyback cost.
10/: USPS LR-PCR-40, page 64.
11/: Attachment J, page 1, [10].
12/: Attachment J, page 1, [9].
13/: Assumption that mail going to secondary PSM will be evenly split between scheme 1 and scheme 2.
14/: Assumption used by Operations.
15/: Assumption used by Operations.
16/: (14) * (15).
17/: [1 - (12)] + [(16)*(12)]+{[(1) - (12)]* [(1) - (11)]*(16)}+{(11)*(12)*[(1) - (16)]}.
18/: (12) + [(11)*(13)] + [1-(12)]*[(1-(11)].
19/: 1 + [1-(11)] * (16).
20/: 1 - (11).
21/: Attachment J, page 1, [11].

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Other Inputs

FY2000 Volumes

	% mach [1]	% over [2]	machinable [3]	NMO (non oversize) [4]	NMO Oversize [5]	Total [6]
Inter-BMC	96.8%	0.038%	46,147,175	1,520,691	18,095	47,685,961
Intra-BMC	96.0%	0.048%	30,907,835	1,282,998	15,520	32,206,353
DBMC	94.0%	0.139%	189,189,330	11,872,241	279,184	201,340,754
DSCF	94.0%	0.139%	4,573,776	287,019	6,749	4,867,545
DDU	94.0%	0.139%	35,769,102	2,244,626	52,784	38,066,512
Total			306,587,217	17,207,575	372,332	324,167,125

Calculation of Percent of Inter and Intra entered at origin AO

Percent of inter-BMC that is retail	36.7%	1/
Percent of intra-BMC that is retail	32.2%	2/

DSCF specific inputs

Proportion of DSCF dropped at BMCs	12.30%	3/		
Proportion of DSCF using requirements	Mach	NMO	Over 108	
Sacks	0	0	N/A	4/
Pallet and Pallet Boxes	1	1	N/A	5/
Average Number of parcels	Mach	NMO	Over 108	
Sacks	10	N/A	N/A	6/
Pallet and pallet boxes	61.2	20.5	6.974	7/

Calculation of Average # of Parcels on a Pallet

	Min [7]	Max [8]	Average [9]
Mach			
Pallet (min 36, max 48")	67.0	89.3	73.7
Pallet Box (min 36 ", max 60")	56.8	94.6	68.1
Pallet (ave 50)			50.0
Pallet box (ave 50)			50.0
Pallet (min 50 pieces , max 48")	50	89.3	61.8
Pallet Box (min 50 pieces, max 60")	50	94.6	63.4
Average Mach			**61.2**
NMO			
Pallet (min 36" max 48")	17.8	23.8	20.8
Pallet Box (min 36 " max 60")	15.1	25.2	20.1
Average NMO			**20.5**
Oversize			
Pallet (min 36" max 48")	6.0	8.0	
Average Oversize			**7.0**

Sources

Rows (1&2)/: Used as proxy for percent of Parcel Post entered at AO.
Row 3/: Attachment A, page 5, row 10.
Rows (4 & 5)/: No evidence of any sacks being used.
Row 6/: Assumption behind requirement (due to zero handlings, not used).
Row 7/: Developed Below. Average of different requirement.

Column [1]: LR-J-67. Machinable volume / total volume.
Column [2]: LR-J-67. Nonmachinable volume / total nonmachinable volume.
Column [3]: Column [1] * column [6].
Column [4]: Column [6] - column [3] - column [5].
Column [5]: Column [2] * column [6].
Column [6]: FY2000 RPW volumes.
Columns [7 & 8]: Attachment A, page 7 (conversion factors).
Column [9]: Weighted average of column [7] and column [8].
For machinable, weights minimum by 0.7 and maximum by 0.3.
For NMO< weights both machinable and NMO by 0.5.

Conversion Factor Calculations

Container Type	Outside Dim. Per Container (Inches) [1]	Inside Dim. Per Container (Inches) [2]	Cubic Feet Per Container [3]	Effective Parcel Capacity (# of Parcels) [4]	Capacity at Average Fullness (# of Parcels) [5]	Average % FULL [6]
Machinable						
Pallet	48x40x48	48x40x48	53.3	89.3	75.9	85%
Pallet (min DSCF - 36")	48x40x49	48x40x36	40.0	67.0	67.0	100%
Postal Pak	48x40x69	46.5x38.5x69	71.5	108.8	92.5	85%
Pallet Box	48x40x69	46.5x38.5x69	71.5	108.8	95.8	88%
Pallet Box (min DSCF - 36")	n/a	46.5x38.5x36	37.3	56.8	56.8	100%
Pallet Box (max DSCF - 60")	n/a	46.5x38.5x60	62.2	94.6	94.6	100%
Pallet Box (min OBMC - 52")	n/a	46.5x38.5x52	53.9	82.0	82.0	100%
Sacks on In-house Container	65x41.5x36	65x41.5x36	56.2	85.5	72.7	85%
NMOs						
Pallet	48x40x48	48x40x48	53.3	23.8	23.8	100%
Pallet (min DSCF - 36")	n/a	48x40x36	40.0	17.8	17.8	100%
Pallet (min OBMC - 42")	n/a	48x40x42	46.7	20.8	20.8	100%
Presorted Pallet	48x40x48	48x40x48	53.3	23.8	23.8	100%
In-house Container	65x41.5x36	65x41.5x36	56.2	22.8	19.4	85%
Pallet Box	48x40x69	46.5x38.5x69	71.5	29.0	24.6	85%
Pallet Box (min DSCF - 36")	n/a	46.5x38.5x36	37.3	15.1	15.1	100%
Pallet Box (max DSCF - 60")	*n/a*	*46.5x38.5x60*	*62.2*	*25.2*	*25.2*	*100%*
Oversize NMOs						
108"-130" on Pallet	48x40x48	48x40x48	53.3	8.0	8.0	100%
108"-130" on Pallet (min DSCF)	n/a	48x40x36	40.0	6.0	6.0	100%
108"-130" in IHC	65x41.5x36	65x41.5x36	56.2	7.6	7.6	100%

Pieces Per Container	Machinable R0-1 (FY98) [7]	Machinable R01-1 (FY00) [8]	Nonmachinable R2000 [9]	Nonmachinable R01-1 (FY00) [10]	108"-130" (R01-1 (FY00) [11]
Sack	5.1	5.0	n/a	n/a	n/a
Sack in OTR	81.8	79.6	n/a	n/a	n/a
OTR	69.0	67.2	27.1	24.1	8.1
APC	35.7	34.7	14.0	12.4	4.2
Hamper	23.0	22.4	9.0	8.0	2.7

	Cubic Feet Per Parcel Post *Machinable* [12]	*NMO* [13]	*108"-130"* [14]	No. of Sacks *on IHC* [15]	No. of Sacks *on Postal Pak* [16]
R2001 (BY00)	0.597	2.244	6.69	14.61	18.59
R2000 (BY98)	0.581	1.992			

Sources

Columns [1 & 2]: Container Methods, Handbook PO-502 (September 1992), USPS LR-H-133.
Column [3]: (Length * width * height) / (12*12*12).
Column [4]: (Column [3]) / ((column [13]) * air factor), to account for "effective cube" and (column [3]) / ((column [14]) * air factor) and (column [3]) / ((column [16]) * air factor).
Air factor =1 for pallets, and 1.1 for all else.
Column [5]: Effective cubic capacity (column [4]) * average % fullness (column [6]).
Column [6]: Pallets, postal paks and IHCs should be as full as practicable before dispatch so it is reasonable to assume these containers will be at least 85% full.
The majority of pallet boxes come from mailers who must have 75 percent full boxes, and tend to fill them to maximize capacity.
Therefore 88 percent, the average of 75 and 100 percent was used.
Column [7]: Docket No. R84-1, Exhibit USPS-14I.
Column [8]: Pieces per container in Docket No. R84-1 (column [7]) * FY82 cubic feet per piece (column [14]) / FY98 cubic feet per piece (column [14]).
Column [9]: Docket No. R84-1, Exhibit USPS-14I.
Column [10]: Pieces per container in Docket No. R84-1 (column [9]) * FY82 cubic feet per piece (column [14]) / FY98 cubic feet per piece (column [14]).
Column [11]: Column [10] * column [13] / column [15].
Column [12]: LR-J-67.
Column [13]: LR-J-67.
Column [14]: LR-J-67.
Column [15]: No. of parcels on IHC (column 5) divided by no. of parcels in a sack (column 8).
Column [16]: No of parcels on a parcel (column5) divided by no. of parcels in a sack (column 8).

Machinable Nonpresort Inter-BMC Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin AO[3]						**0.0766**
Move Containers to Dock	0.3671	28	28.5	1.473	0.0564	0.0207
Load Containers	0.3671	10.4	28.5	1.473	0.1524	0.0559
Origin SCF						**0.4172**
Unload Containers[1]	1.0000				0.0556	0.0556
Crossdock containers	1.0000	7.0	28.5	1.66	0.2533	0.2533
Bedload Sacks	0.0434	181.8	5.0	1.66	0.0560	0.0024
Bedload loose	0.0696	175.9	1	1.66	0.2879	0.0200
Load Sacks in OTRs	0.1152	10.4	79.6	1.66	0.0614	0.0071
Load Loose in OTRs	0.5108	10.4	67.2	1.66	0.0727	0.0371
Load Pallets	0.0160	13.3	75.9	1.66	0.0500	0.0008
Load Pallet Boxes	0.0090	13.3	95.8	1.66	0.0396	0.0004
Load OWCs	0.2360	10.4	28.5	1.66	0.1712	0.0404
Origin BMC						**0.4386**
Unload Bedload Sack	0.0434	186.2	5.0	1.78	0.0589	0.0026
Unload Bedload Loose	0.0696	620.1	1.0	1.78	0.0880	0.0061
Unload Sacks in OTR	0.1152	20.7	79.6	1.78	0.0331	0.0038
Unload loose in OTR	0.5108	20.7	67.2	1.78	0.0392	0.0200
Unload Pallet	0.0160	12.2	75.9	1.78	0.0589	0.0009
Unload Pallet Box	0.0090	12.2	95.8	1.78	0.0467	0.0004
Unload Other Wheeled Cont.	0.2360	20.7	28.5	1.78	0.0923	0.0218
Dump OTR of sacks	0.1152	6.5	79.6	1.48	0.0882	0.0102
Dump OTR of loose	0.5108	6.5	67.2	1.48	0.1045	0.0534
Dump Pallet	0.0160	6.5	75.9	1.48	0.0925	0.0015
Dump Pallet Box	0.0090	6.5	95.8	1.48	0.0733	0.0007
Dump Other Wheeled Cont.	0.2360	6.5	28.5	1.48	0.2461	0.0581
Sack Sorter	0.1586	420.0	1.0	2.08	0.1511	0.0240
Sack shakeout	0.1586	72.3	5.0	1.48	0.1260	0.0200
Primary PSM	1.0000	813.0	1.0	2.14	0.0805	0.0805
Sweep Runouts P.Pak	1.0000	5.4	92.5	1.48	0.0904	0.0904
Load Postal Pak	1.0000	13.3	92.5	1.78	0.0442	0.0442
Destination BMC						**0.5267**
Unload Postal Pak	1.0000	12.2	92.5	1.78	0.0483	0.0483
Dump Postal Pak	1.0000	6.5	92.5	1.48	0.0759	0.0759
Primary PSM	0.8335	813.0	1.0	2.14	0.0805	0.0671
Secondary PSM	0.9451			0.06	0.0634	0.0599
Sweep Runouts OTR	0.7327	5.4	67.2	1.48	0.1245	0.0912
Sack and Tie	0.2673	125.4	1.0	1.48	0.3616	0.0966
Bedload Sacks	0.2384	181.8	5.0	1.78	0.0604	0.0144
Load OTRs w/ sacks	0.0289	10.4	79.6	1.78	0.0661	0.0019
Load OTRs w/ loose	0.6025	10.4	67.2	1.78	0.0784	0.0472
Load Hampers/OWC	0.1302	10.4	28.5	1.78	0.1846	0.0240
Destination SCF						**0.2236**
Unload Bedload Sacks	0.2091	153.5	5.0	1.66	0.0663	0.0139
Unload Sacks in OTR	0.0253	20.7	79.6	1.66	0.0307	0.0008
Unload loose in OTR	0.5284	20.7	67.2	1.66	0.0363	0.0192
Unload OWC	0.1142	20.7	28.5	1.66	0.0856	0.0098
Crossdock IHC (Bedload Sack	0.2091	7.0	72.7	1.66	0.0993	0.0208
Crossdock Sacks in OTR	0.0253	7.0	79.6	1.66	0.0908	0.0023
Crossdock loose in OTR	0.5284	7.0	67.2	1.66	0.1076	0.0568
Crossdock OWC	0.1142	7.0	28.5	1.66	0.2533	0.0289
Bedload Sacks	0.2344	181.8	5.0	1.66	0.0560	0.0131
Load OTRs w/ loose	0.5284	10.4	67.2	1.66	0.0727	0.0384
Load Hampers/OWC	0.1142	10.4	28.5	1.66	0.1712	0.0196
Destination Delivery Unit						**0.2076**
Unload Bedload Sacks	0.2673	153.5	5.0	1.66	0.0663	0.0177
Unload loose in OTR	0.6025	20.7	67.2	1.66	0.0363	0.0219
Unload OWC	0.1302	20.7	28.5	1.66	0.0856	0.0111
Dump Sacks	0.2673	110.4	5.0	1.66	0.0921	0.0246
Move Containers from Dock	1.0000	28.0	45.5	1.47	0.0353	0.0353
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**$1.890**
Model Weight[2]	**14.2%**
Wtd Modeled Cost	**$0.269**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1] Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights derived from volumes in Attachment A, page 6
[3] Number of Handlings at Origin AO from Attachment A, page 6.

Nonmachinable Nonpresort Inter-BMC Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin AO[3]						**0.2136**
Move Containers to Dock	0.3671	28.0	10.2	1.47	0.1571	0.0577
Load Containers	0.3671	10.4	10.2	1.47	0.4248	0.1559
Origin SCF						**1.0472**
Unload Containers[1]	1.0000				0.1523	0.1523
Crossdock containers	1.0000	7.0	10.2	1.47	0.6282	0.6282
Bedload NMOs	0.0400	175.9	1.0	1.66	0.2879	0.0115
Load NMOs in OTRs	0.7250	10.4	24.1	1.66	0.2028	0.1471
Load NMOs in OWCs	0.2220	10.4	10.2	1.66	0.4772	0.1059
Load NMOs on Pallets	0.0130	13.3	23.8	1.66	0.1597	0.0021
Origin BMC						**1.0125**
Unload Bedloaded NMOs	0.0400	160.7	1.0	1.78	0.3397	0.0136
Unload NMOs in OTRs	0.7250	20.7	24.1	1.78	0.1093	0.0792
Unload NMOs in OWC	0.2220	20.7	10.2	1.78	0.2571	0.0571
Unload NMOs on Pallets	0.0130	12.2	23.8	1.78	0.1880	0.0024
Move IHCs (from bedload)	0.0165	14.0	19.4	1.48	0.1671	0.0028
Move OTRs	0.2988	14.0	24.1	1.48	0.1343	0.0401
Move OWC	0.0915	14.0	10.2	1.48	0.3160	0.0289
Move Pallets	0.0054	14.0	23.8	1.48	0.1361	0.0007
O. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4794	0.4794
Move Pallets	1.0000	14.0	23.8	1.48	0.1361	0.1361
Load NMOs on Pallets	1.0000	13.3	23.8	1.78	0.1722	0.1722
Destination BMC						**0.9702**
Unload NMOs on Pallets	1.0000	12.2	23.8	1.78	0.1880	0.1880
Move Pallets	0.4121	14.0	23.8	1.48	0.1361	0.0561
D. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4794	0.4794
Move IHCs	0.0405	14.0	7.6	1.48	0.0137	0.0006
Move OTRs	0.1681	14.0	24.1	1.48	0.1354	0.0228
Move Pallets	0.3098	14.0	23.8	1.48	0.0000	0.0000
Move OWC	0.0078	14.0	10.2	1.48	0.0000	0.0000
Bedload from IHC	0.1291	175.9	1.0	1.78	0.3103	0.0401
Load NMOs in OTRs	0.5363	10.4	24.1	1.78	0.2186	0.1173
Load NMOs on Pallet	0.3098	13.3	23.8	1.78	0.1722	0.0533
Load NMOs in OWC	0.0248	10.4	10.2	1.78	0.5144	0.0128
Destination SCF						**0.8570**
Unload Bedload to IHC	0.1291	153.5	1.0	1.66	0.3300	0.0426
Unload OTRs	0.5363	20.7	24.1	1.66	0.1014	0.0544
Unload Pallet	0.3098	12.2	23.8	1.66	0.1744	0.0540
Unload OWC	0.0248	20.7	10.2	1.66	0.2385	0.0059
Move IHC	0.1291	14.0	19.4	1.66	0.1866	0.0241
Move OTRs	0.5363	14.0	24.1	1.66	0.1500	0.0804
Move Pallet	0.3098	14.0	23.8	1.66	0.1520	0.0471
Move OWC	0.0248	14.0	10.2	1.66	0.3529	0.0088
Manual Sort	1.0000	497.7	1.0	1.50	0.0923	0.0923
Move IHC	0.2673	14.0	19.4	1.66	0.1866	0.0499
Move OTRs	0.6025	14.0	24.1	1.66	0.1500	0.0904
Move OWC	0.1302	14.0	10.2	1.66	0.3529	0.0460
Bedload NMOs	0.2673	175.9	1.0	1.66	0.2879	0.0769
Load OTRs w/ loose	0.6025	10.4	24.1	1.66	0.2028	0.1222
Load Hampers/OWC	0.1302	10.4	10.2	1.66	0.4772	0.0621
Destination Delivery Unit						**0.3769**
Unload Bedload NMOs	0.2673	153.5	1.0	1.66	0.3300	0.0882
Unload loose in OTR	0.6025	20.7	24.1	1.66	0.1014	0.0611
Unload OWC	0.1302	20.7	10.2	1.66	0.2385	0.0311
Move Containers from Dock	1.0000	28.0	16.1	1.47	0.0998	0.0998
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**$4.477**
Model Weight[2]	**0.5%**
Wtd Modeled Cost	**$0.021**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1] Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights derived from volumes in Attachment A, page 6
[3] Number of Handlings at Origin AO from Attachment A, page 6.

Nonmachinable Nonpresort Inter-BMC Mail Processing Cost Model

Length plus Girth Between 108" and 130"

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin AO[3]						**0.6369**
Move Containers to Dock	0.3671	28.04	3.4	1.47	0.4684	0.1719
Load Containers	0.3671	10.37	3.4	1.47	1.2667	0.4650
Origin SCF						**3.0737**
Unload Containers[1]	1.0000				0.4280	0.4280
Crossdock containers	1.0000	7.0	3.4	1.47	1.8736	1.8736
Bedload NMOs	0.0400	175.9	1.0	1.66	0.2879	0.0115
Load NMOs in OTRs	0.7250	10.4	8.1	1.66	0.6049	0.4385
Load NMOs in OWCs	0.2220	10.4	3.4	1.66	1.4232	0.3160
Load NMOs on Pallets	0.0130	13.3	8.0	1.66	0.4763	0.0062
Origin BMC						**2.3484**
Unload Bedloaded to IHC	0.0400	153.5	1.0	1.78	0.3557	0.0142
Unload NMOs in OTRs	0.7250	20.7	8.1	1.78	0.3259	0.2363
Unload NMOs in OWC	0.2220	20.7	3.4	1.78	0.7667	0.1702
Unload NMOs on Pallets	0.0130	12.2	8.0	1.78	0.5605	0.0073
Move IHC	0.0400	14.0	7.6	1.48	0.4236	0.0169
Move OTR	0.7250	14.0	8.1	1.48	0.4006	0.2904
Move OWC	0.2220	14.0	3.4	1.48	0.9425	0.2092
Move Pallets	0.0130	14.0	8.0	1.48	0.4058	0.0053
O. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4794	0.4794
Move Pallets	1.0000	14.0	8.0	1.48	0.4058	0.4058
Load NMOs on Pallets	1.0000	13.3	8.0	1.78	0.5134	0.5134
Destination BMC						**2.2501**
Unload NMOs on Pallets	1.0000	12.2	8.0	1.78	0.5605	0.5605
Move Pallets	1.0000	14.0	8.0	1.48	0.4058	0.4058
D. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4794	0.4794
Move IHC	0.0405	14.0	7.6	1.48	0.4236	0.0171
Move OTR	0.1681	14.0	8.1	1.48	0.4006	0.0674
Move Pallets	0.3098	14.0	8.0	1.48	0.4058	0.1257
Move OWC	0.0078	14.0	3.4	1.48	0.9425	0.0073
Bedload from IHC	0.1291	175.9	1.0	1.78	0.3103	0.0401
Load NMOs in OTRs	0.5363	10.4	8.1	1.78	0.6520	0.3497
Load NMOs on Pallet	0.3098	13.3	8.0	1.78	0.5134	0.1591
Load NMOs in OWC	0.0248	10.4	3.4	1.78	1.5342	0.0380
Destination SCF						**2.1029**
Unload Bedload to IHC	0.1291	153.5	1.0	1.66	0.3300	0.0426
Unload OTRs	0.5363	20.7	8.1	1.66	0.3023	0.1621
Unload Pallet	0.3098	12.2	8.0	1.66	0.5200	0.1611
Unload OWC	0.0248	20.7	3.4	1.66	0.7113	0.0176
Move IHC	0.1291	14.0	7.6	1.66	0.4731	0.0611
Move OTRs	0.5363	14.0	8.1	1.66	0.4473	0.2399
Move Pallet	0.3098	14.0	8.0	1.66	0.4532	0.1404
Move OWC	0.0248	14.0	3.4	1.66	1.0525	0.0261
Manual Sort	1.0000	497.7	1.0	1.50	0.0923	0.0923
Move IHC	0.2673	14.0	7.6	1.66	0.4731	0.1264
Move OTRs	0.6025	14.0	8.1	1.66	0.4473	0.2695
Move OWC	0.1302	14.0	3.4	1.66	1.0525	0.1370
Bedload NMOs	0.2673	175.9	1.0	1.66	0.2879	0.0769
Load OTRs w/ loose	0.6025	10.4	8.1	1.66	0.6049	0.3644
Load Hampers/OWC	0.1302	10.4	3.4	1.66	1.4232	0.1853
Destination Delivery Unit						**0.7479**
Unload Bedload NMOs	0.2673	153.5	1.0	1.66	0.3300	0.0882
Unload loose in OTR	0.6025	20.7	8.1	1.66	0.3023	0.1821
Unload OWC	0.1302	20.7	3.4	1.66	0.7113	0.0926
Move Containers from Dock	1.0000	28.0	5.6	1.47	0.2881	0.2881
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**$11.160**
Model Weight[2]	**0.01%**
Wtd Modeled Cost	**$0.0006**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1] Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights derived from volumes in Attachment A, page 6
[3] Number of Handlings at Origin AO from Attachment A, page 6.

Machinable Nonpresort Intra-BMC Mail Processing Cost Model

	[1] # handling	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin AO[3]						**0.0672**
Move Containers to Dock	0.3221	28.0	28.5	1.47	0.0564	0.0182
Load Containers	0.3221	10.4	28.5	1.47	0.1524	0.0491
Origin SCF						**0.3893**
Unload Containers[1]	1.0000				0.0556	0.0556
Crossdock containers	1.0000	7.0	28.5	1.47	0.2254	0.2254
Bedload Sacks	0.0434	181.8	5.0	1.66	0.0560	0.0024
Bedload loose	0.0696	175.9	1	1.66	0.2879	0.0200
Load Sacks in OTRs	0.1152	10.4	79.6	1.66	0.0614	0.0071
Load Loose in OTRs	0.5108	10.4	67.2	1.66	0.0727	0.0371
Load Pallets	0.0160	13.3	75.9	1.66	0.0500	0.0008
Load Pallet Boxes	0.0090	13.3	95.8	1.66	0.0396	0.0004
Load OWCs	0.2360	10.4	28.5	1.66	0.1712	0.0404
Destination BMC						**0.6109**
Unload Bedload Sack	0.0434	186.2	5.0	1.78	0.0589	0.0026
Unload Bedload Loose	0.0696	620.1	1.0	1.78	0.0880	0.0061
Unload Sacks in OTR	0.1152	20.7	79.6	1.78	0.0331	0.0038
Unload loose in OTR	0.5108	20.7	67.2	1.78	0.0392	0.0200
Unload Pallet	0.0160	12.2	75.9	1.78	0.0589	0.0009
Unload Pallet Boxes	0.0090	12.2	95.8	1.78	0.0467	0.0004
Unload Other Wheeled Cont.	0.2360	20.7	28.5	1.78	0.0923	0.0218
Dump OTR of sacks	0.1152	6.5	79.6	1.48	0.0882	0.0102
Dump OTR of loose	0.5108	6.5	67.2	1.48	0.1045	0.0534
Dump Pallet	0.0160	6.5	75.9	1.48	0.0925	0.0015
Dump Pallet Boxes	0.0090	6.5	95.8	1.48	0.0733	0.0007
Dump Other Wheeled Cont.	0.2360	6.5	28.5	1.48	0.2461	0.0581
Sack Sorter	0.1586	420.0	5.0	2.08	0.0304	0.0048
Sack shakeout	0.1586	72.3	5.0	1.48	0.1260	0.0200
O. Primary (scan)	1.0000	813.0	1.0	2.14	0.0805	0.0805
Secondary (scan)	0.7991			0.06	0.0634	0.0507
Sweep Runouts OTR	0.7327	5.4	67.2	1.48	0.1245	0.0912
Sack and Tie	0.2673	125.4	1.0	1.48	0.3616	0.0966
Bedload Sacks	0.2384	181.8	5.0	1.78	0.0604	0.0144
Load OTRs w/ sacks	0.0289	10.4	79.6	1.78	0.0661	0.0019
Load OTRs w/ loose	0.6025	10.4	67.2	1.78	0.0784	0.0472
Load Hampers/OWC	0.1302	10.4	28.5	1.78	0.1846	0.0240
Destination SCF						**0.2236**
Unload Bedload Sacks	0.2091	153.5	5.0	1.66	0.0663	0.0139
Unload Sacks in OTR	0.0253	20.7	79.6	1.66	0.0307	0.0008
Unload loose in OTR	0.5284	20.7	67.2	1.66	0.0363	0.0192
Unload OWC	0.1142	20.7	28.5	1.66	0.0856	0.0098
Crossdock IHC (Bedload Sack	0.2091	7.0	72.7	1.66	0.0993	0.0208
Crossdock Sacks in OTR	0.0253	7.0	79.6	1.66	0.0908	0.0023
Crossdock loose in OTR	0.5284	7.0	67.2	1.66	0.1076	0.0568
Crossdock OWC	0.1142	7.0	28.5	1.66	0.2533	0.0289
Bedload Sacks	0.2344	181.8	5.0	1.66	0.0560	0.0131
Load OTRs w/ loose	0.5284	10.4	67.2	1.66	0.0727	0.0384
Load Hampers/OWC	0.1142	10.4	28.5	1.66	0.1712	0.0196
Destination Delivery Unit						**0.2076**
Unload Bedload Sacks	0.2673	153.5	5.0	1.66	0.0663	0.0177
Unload loose in OTR	0.6025	20.7	67.2	1.66	0.0363	0.0219
Unload OWC	0.1302	20.7	28.5	1.66	0.0856	0.0111
Dump Sacks	0.2673	110.4	5.0	1.66	0.0921	0.0246
Move Containers from Dock	1.0000	28.0	45.5	1.47	0.0353	0.0353
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**$1.499**
Model Weight[2]	**9.5%**
Wtd Modeled Cost	**$0.143**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1] Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights derived from volumes in Attachment A, page 6
[3] Number of Handlings at Origin AO from Attachment A, page 6.

Nonmachinable Nonpresort Intra-BMC Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin AO[3]						**0.1874**
Move Containers to Dock	0.3221	28.0	10.2	1.47	0.1571	0.0506
Load Containers	0.3221	10.4	10.2	1.47	0.4248	0.1368
Origin SCF						**1.0472**
Unload Containers[1]	1.0000				0.1523	0.1523
Crossdock containers	1.0000	7.0	10.2	1.47	0.6282	0.6282
Bedload NMOs	0.0400	175.9	1.0	1.66	0.2879	0.0115
Load NMOs in OTRs	0.7250	10.4	24.1	1.66	0.2028	0.1471
Load NMOs in OWCs	0.2220	10.4	10.2	1.66	0.4772	0.1059
Load NMOs on Pallets	0.0130	13.3	23.8	1.66	0.1597	0.0021
Destination BMC						**1.0006**
Unload Bedloaded NMOs	0.0400	160.7	1.0	1.78	0.3397	0.0136
Unload NMOs in OTRs	0.7250	20.7	24.1	1.78	0.1093	0.0792
Unload NMOs in OWC	0.2220	20.7	10.2	1.78	0.2571	0.0571
Unload NMOs on Pallets	0.0130	12.2	23.8	1.78	0.1880	0.0024
Move IHCs (from bedload)	0.0165	14.0	19.4	1.48	0.1671	0.0028
Move OTRs	0.2988	14.0	24.1	1.48	0.1343	0.0401
Move OWC	0.0915	14.0	10.2	1.48	0.3160	0.0289
Move Pallets	0.0054	14.0	23.8	1.48	0.1361	0.0007
D. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4794	0.4794
Move IHCs	0.0405	14.0	22.8	1.48	0.1420	0.0057
Move OTRs	0.1681	14.0	24.1	1.48	0.1343	0.0226
Move OWC	0.0078	14.0	10.2	1.48	0.3160	0.0025
Move Pallets	0.3098	14.0	23.8	1.48	0.1361	0.0422
Bedload from IHC	0.1291	175.9	1.0	1.78	0.3103	0.0401
Load NMOs in OTRs	0.5363	10.4	24.1	1.78	0.2186	0.1173
Load NMOs in OWC	0.0248	10.4	10.2	1.78	0.5144	0.0128
Load NMOs on Pallet	0.3098	13.3	23.8	1.78	0.1722	0.0533
Destination SCF						**0.8570**
Unload Bedload to IHC	0.1291	153.5	1.0	1.66	0.3300	0.0426
Unload OTRs	0.5363	20.7	24.1	1.66	0.1014	0.0544
Unload OWC	0.0248	20.7	10.2	1.66	0.2385	0.0059
Unload Pallet	0.3098	12.2	23.8	1.66	0.1744	0.0540
Move IHC	0.1291	14.0	19.4	1.66	0.1866	0.0241
Move OTRs	0.5363	14.0	24.1	1.66	0.1500	0.0804
Move OWC	0.0248	14.0	10.2	1.66	0.3529	0.0088
Move Pallet	0.3098	14.0	23.8	1.66	0.1520	0.0471
Manual Sort	1.0000	497.7	1.0	1.50	0.0923	0.0923
Move IHC	0.2673	14.0	19.4	1.66	0.1866	0.0499
Move OTRs	0.6025	14.0	24.1	1.66	0.1500	0.0904
Move OWC	0.1302	14.0	10.2	1.66	0.3529	0.0460
Bedload NMOs	0.2673	175.9	1.0	1.66	0.2879	0.0769
Load OTRs w/ loose	0.6025	10.4	24.1	1.66	0.2028	0.1222
Load Hampers/OWC	0.1302	10.4	10.2	1.66	0.4772	0.0621
Destination Delivery Unit						**0.3769**
Unload Bedload NMOs	0.2673	153.5	1.0	1.66	0.3300	0.0882
Unload loose in OTR	0.6025	20.7	24.1	1.66	0.1014	0.0611
Unload OWC	0.1302	20.7	10.2	1.66	0.2385	0.0311
Move Containers from Dock	1.0000	28.0	16.1	1.47	0.0998	0.0998
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**$3.469**
Model Weight[2]	**0.4%**
Wtd Modeled Cost	**$0.014**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1] Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights derived from volumes in Attachment A, page 6
[3] Number of Handlings at Origin AO from Attachment A, page 6.

Nonmachinable Nonpresort Inter-BMC Mail Processing Cost Model

Length plus Girth Between 108" and 130"

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin AO[3]						**0.5589**
Move Containers to Dock	0.3221	28.0	3.4	1.47	0.4684	0.1509
Load Containers	0.3221	10.4	3.4	1.47	1.2667	0.4080
Origin SCF						**3.0737**
Unload Containers[1]	1.0000				0.4280	0.4280
Crossdock containers	1.0000	7.0	3.4	1.47	1.8736	1.8736
Bedload NMOs	0.0400	175.9	1.0	1.66	0.2879	0.0115
Load NMOs in OTRs	0.7250	10.4	8.1	1.66	0.6049	0.4385
Load NMOs in OWCs	0.2220	10.4	3.4	1.66	1.4232	0.3160
Load NMOs on Pallets	0.0130	13.3	8.0	1.66	0.4763	0.0062
Destination BMC						**2.1833**
Unload Bedloaded to IHC	0.0400	153.5	1.0	1.78	0.3557	0.0142
Unload NMOs in OTRs	0.7250	20.7	8.1	1.78	0.3259	0.2363
Unload NMOs in OWC	0.2220	20.7	3.4	1.78	0.7667	0.1702
Unload NMOs on Pallets	0.0130	12.2	8.0	1.78	0.5605	0.0073
Move IHC	0.0400	14.0	7.6	1.48	0.4236	0.0169
Move OTR	0.7250	14.0	8.1	1.48	0.4006	0.2904
Move OWC	0.2220	14.0	3.4	1.48	0.9425	0.2092
Move Pallet	0.0130	14.0	8.0	1.48	0.4058	0.0053
D. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4794	0.4794
Move IHC	0.0125	14.0	7.6	1.48	0.4236	0.0053
Move OTR	0.2273	14.0	8.1	1.48	0.4006	0.0910
Move OWC	0.0696	14.0	3.4	1.48	0.9425	0.0656
Move Pallet	0.0130	14.0	8.0	1.48	0.4058	0.0053
Bedload from IHC	0.1291	175.9	1.0	1.78	0.3103	0.0401
Load NMOs in OTRs	0.5363	10.4	8.1	1.78	0.6520	0.3497
Load NMOs on Pallet	0.3098	13.3	8.0	1.78	0.5134	0.1591
Load NMOs in OWC	0.0248	10.4	3.4	1.78	1.5342	0.0380
Destination SCF						**2.1029**
Unload Bedload to IHC	0.1291	153.5	1.0	1.66	0.3300	0.0426
Unload OTRs	0.5363	20.7	8.1	1.66	0.3023	0.1621
Unload Pallet	0.3098	12.2	8.0	1.66	0.5200	0.1611
Unload OWC	0.0248	20.7	3.4	1.66	0.7113	0.0176
Move IHC	0.1291	14.0	7.6	1.66	0.4731	0.0611
Move OTRs	0.5363	14.0	8.1	1.66	0.4473	0.2399
Move Pallet	0.3098	14.0	8.0	1.66	0.4532	0.1404
Move OWC	0.0248	14.0	3.4	1.66	1.0525	0.0261
Manual Sort	1.0000	497.7	1.0	1.50	0.0923	0.0923
Move IHC	0.2673	14.0	7.6	1.66	0.4731	0.1264
Move OTRs	0.6025	14.0	8.1	1.66	0.4473	0.2695
Move OWC	0.1302	14.0	3.4	1.66	1.0525	0.1370
Bedload NMOs	0.2673	175.9	1.0	1.66	0.2879	0.0769
Load OTRs w/ loose	0.6025	10.4	8.1	1.66	0.6049	0.3644
Load Hampers/OWC	0.1302	10.4	3.4	1.66	1.4232	0.1853
Destination Delivery Unit						**0.7479**
Unload Bedload NMOs	0.2673	153.5	1.0	1.66	0.3300	0.0882
Unload loose in OTR	0.6025	20.7	8.1	1.66	0.3023	0.1821
Unload OWC	0.1302	20.7	3.4	1.66	0.7113	0.0926
Move Containers from Dock	1.0000	28.0	5.6	1.47	0.2881	0.2881
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**$8.667**
Model Weight[2]	**0.005%**
Wtd Modeled Cost	**$0.0004**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1] Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights derived from volumes in Attachment A, page 6
[3] Number of Handlings at Origin AO from Attachment A, page 6.

Machinable DBMC Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						**0.4964**
Unload Bedload	0.9620	620.1	1.0	1.78	0.0880	0.0847
Unload Pallets	0.0030	12.2	75.9	1.78	0.0589	0.0002
Unload OTR	0.0080	20.7	67.2	1.78	0.0392	0.0003
Unload Pallet Box	0.0260	12.2	95.8	1.78	0.0467	0.0012
Unload OWC	0.0010	20.7	28.5	1.78	0.0923	0.0001
Dump Pallets	0.0030	6.5	75.9	1.48	0.0925	0.0003
Dump OTR	0.0080	6.5	67.2	1.48	0.1045	0.0008
Dump Pallet Box	0.0260	6.5	95.8	1.48	0.0733	0.0019
Dump OWC	0.0010	6.5	28.5	1.48	0.2461	0.0002
O. Primary	1.0000	813.0	1.0	2.14	0.0805	0.0805
Secondary	0.7991			0.06	0.0634	0.0507
Sweep Runouts OTR	0.7327	5.4	67.2	1.48	0.1245	0.0912
Sack and Tie	0.2673	125.4	1.0	1.48	0.3616	0.0966
Bedload Sacks	0.2384	181.8	5.0	1.78	0.0604	0.0144
Load OTRs w/ sacks	0.0289	10.4	79.6	1.78	0.0661	0.0019
Load OTRs w/ loose	0.6025	10.4	67.2	1.78	0.0784	0.0472
Load OWC	0.1302	10.4	28.5	1.78	0.1846	0.0240
Destination SCF						**0.2236**
Unload Bedload Sacks	0.2091	153.5	5.0	1.66	0.0663	0.0139
Unload Sacks in OTR	0.0253	20.7	79.6	1.66	0.0307	0.0008
Unload loose in OTR	0.5284	20.7	67.2	1.66	0.0363	0.0192
Unload OWC	0.1142	20.7	28.5	1.66	0.0856	0.0098
Crossdock Bedload Sacks	0.2091	7.0	72.7	1.66	0.0993	0.0208
Crossdock Sacks in OTR	0.0253	7.0	79.6	1.66	0.0908	0.0023
Crossdock loose in OTR	0.5284	7.0	67.2	1.66	0.1076	0.0568
Crossdock OWC	0.1142	7.0	28.5	1.66	0.2533	0.0289
Bedload Sacks	0.2344	181.8	5.0	1.66	0.0560	0.0131
Load OTRs w/ loose	0.5284	10.4	67.2	1.66	0.0727	0.0384
Load OWC	0.1142	10.4	28.5	1.66	0.1712	0.0196
Destination Delivery Unit						**0.2076**
Unload Bedload Sack	0.2673	153.5	5.0	1.66	0.0663	0.0177
Unload loose in OTR	0.6025	20.7	67.2	1.66	0.0363	0.0219
Unload OWC	0.1302	20.7	28.5	1.66	0.0856	0.0111
Dump Sacks	0.2673	110.4	5.0	1.66	0.0921	0.0246
Move Containers from Dock	1.0000	28.0	45.5	1.47	0.0353	0.0353
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**$0.927**
Model Weight[1]	**58.4%**
Wtd Modeled Cost	**$0.541**

Modeled Cost for Stamped Envelopes (1.54 c.f.)[2]	**$1.745**
Modeled Cost for Stamped Envelopes (.96 c.f.)[3]	**$1.242**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1] Weights derived from volumes in Attachment A, page 6.
[2] Modeled costs with conversion factors in Attachment A, page 7, calculated using 1.54 c.f.
[3] Modeled costs with conversion factors in Attachment A, page 7, calculated using .96 c.f.

Nonmachinable DBMC Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						**1.1817**
Unload Bedload	0.9850	160.7	1.0	1.78	0.3397	0.3346
Unload Pallet Box	0.0070	12.2	24.6	1.78	0.1815	0.0013
Unload Pallets	0.0080	12.2	23.8	1.78	0.1880	0.0015
Move IHC (from bedload)	0.4059	14.0	19.4	1.48	0.1671	0.0678
Move Pallet Boxes	0.0029	14.0	24.6	1.48	0.1314	0.0004
Move Pallets	0.0033	14.0	23.8	1.48	0.1361	0.0004
D. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4794	0.4794
Move IHCs	0.0405	14.0	22.8	1.48	0.1420	0.0057
Move OTRs	0.1681	14.0	24.1	1.48	0.1343	0.0226
Move Pallets	0.3098	14.0	23.8	1.48	0.1361	0.0422
Move OWCs	0.0078	14.0	10.2	1.48	0.3160	0.0025
Bedload from IHC	0.1291	175.9	1.0	1.78	0.3103	0.0401
Load NMOs in OTRs	0.5363	10.4	24.1	1.78	0.2186	0.1173
Load NMOs on Pallet	0.3098	13.3	23.8	1.78	0.1722	0.0533
Load NMOs in OWC	0.0248	10.4	10.2	1.78	0.5144	0.0128
Destination SCF						**0.8570**
Unload Bedload to IHC	0.1291	153.5	1.0	1.66	0.3300	0.0426
Unload OTRs	0.5363	20.7	24.1	1.66	0.1014	0.0544
Unload Pallet	0.3098	12.2	23.8	1.66	0.1744	0.0540
Unload OWC	0.0248	20.7	10.2	1.66	0.2385	0.0059
Move IHC	0.1291	14.0	19.4	1.66	0.1866	0.0241
Move OTRs	0.5363	14.0	24.1	1.66	0.1500	0.0804
Move Pallet	0.3098	14.0	23.8	1.66	0.1520	0.0471
Move OWC	0.0248	14.0	10.2	1.66	0.3529	0.0088
Manual Sort	1.0000	497.7	1.0	1.50	0.0923	0.0923
Move IHC	0.2673	14.0	19.4	1.66	0.1866	0.0499
Move OTRs	0.6025	14.0	24.1	1.66	0.1500	0.0904
Move OWC	0.1302	14.0	10.2	1.66	0.3529	0.0460
Bedload NMOs	0.2673	175.9	1.0	1.66	0.2879	0.0769
Load OTRs w/ loose	0.6025	10.4	24.1	1.66	0.2028	0.1222
Load Hampers/OWC	0.1302	10.4	10.2	1.66	0.4772	0.0621
Destination Delivery Unit						**0.3769**
Unload Bedload NMOs	0.2673	153.5	1.0	1.66	0.3300	0.0882
Unload loose in OTR	0.6025	20.7	24.1	1.66	0.1014	0.0611
Unload OWC	0.1302	20.7	10.2	1.66	0.2385	0.0311
Move Containers from Dock	1.0000	28.0	16.1	1.47	0.0998	0.0998
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**$2.416**
Model Weight[1]	**3.7%**
Wtd Modeled Cost	**$0.088**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1] Weights derived from volumes in Attachment A, page 6.

Nonmachinable DBMC Mail Processing Cost Model

Length plus Girth Between 108" and 130"

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						**2.0501**
Unload Bedload	0.9850	160.7	1.0	1.78	0.3397	0.3346
Unload Pallets[1]	0.0150	12.2	8.0	1.78	0.5605	0.0084
Move IHC (from bedload)	0.9850	14.0	7.6	1.48	0.4236	0.4173
Move Pallets	0.0150	14.0	8.0	1.48	0.4058	0.0061
D. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4794	0.4794
Move IHCs	0.0405	14.0	7.6	1.48	0.4236	0.0171
Move OTRs	0.1681	14.0	8.1	1.48	0.4006	0.0674
Move Pallets	0.3098	14.0	8.0	1.48	0.4058	0.1257
Move OWCs	0.0078	14.0	3.4	1.48	0.9425	0.0073
Bedload from IHC	0.1291	175.9	1.0	1.78	0.3103	0.0401
Load NMOs in OTRs	0.5363	10.4	8.1	1.78	0.6520	0.3497
Load NMOs on Pallet	0.3098	13.3	8.0	1.78	0.5134	0.1591
Load NMOs in OWC	0.0248	10.4	3.4	1.78	1.5342	0.0380
Destination SCF						**2.1029**
Unload Bedload to IHC	0.1291	153.5	1.0	1.66	0.3300	0.0426
Unload OTRs	0.5363	20.7	8.1	1.66	0.3023	0.1621
Unload Pallet	0.3098	12.2	8.0	1.66	0.5200	0.1611
Unload OWC	0.0248	20.7	3.4	1.66	0.7113	0.0176
Move IHC	0.1291	14.0	7.6	1.66	0.4731	0.0611
Move OTRs	0.5363	14.0	8.1	1.66	0.4473	0.2399
Move Pallet	0.3098	14.0	8.0	1.66	0.4532	0.1404
Move OWC	0.0248	14.0	3.4	1.66	1.0525	0.0261
Manual Sort	1.0000	497.7	1.0	1.50	0.0923	0.0923
Move IHC	0.2673	14.0	7.6	1.66	0.4731	0.1264
Move OTRs	0.6025	14.0	8.1	1.66	0.4473	0.2695
Move OWC	0.1302	14.0	3.4	1.66	1.0525	0.1370
Bedload NMOs	0.2673	175.9	1.0	1.66	0.2879	0.0769
Load OTRs w/ loose	0.6025	10.4	8.1	1.66	0.6049	0.3644
Load Hampers/OWC	0.1302	10.4	3.4	1.66	1.4232	0.1853
Destination Delivery Unit						**0.7479**
Unload Bedload NMOs	0.2673	153.5	1.0	1.66	0.3300	0.0882
Unload loose in OTR	0.6025	20.7	8.1	1.66	0.3023	0.1821
Unload OWC	0.1302	20.7	3.4	1.66	0.7113	0.0926
Move Containers from Dock	1.0000	28.0	5.6	1.47	0.2881	0.2881
Sort Parcels	1.0000	460.6	1.0	1.46	0.0968	0.0968

Model Cost	**4.901**
Model Weight[2]	**0.09%**
Wtd Modeled Cost	**0.004**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (column [1] * column [5]).

[1]Assumes oversize parcels will not arrive in pallet boxes, so # of handling for pallets and pallet boxes were combined.
[2]Weights derived from volumes in Attachment A, page 6.

Machinable DSCF Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						[redacted]
Unload Pallet/Pallet Box	0.1230	12.2	61.2	1.78	$0.0730	$0.0090
Cross dock Pallet/Pallet Box	0.1230	7.0	61.2	[redacted]		
Load Pallet/Pallet Box	0.1230	13.3	61.2	1.78	$0.0669	$0.0082
Destination SCF						[redacted]
Unload Pallet/Pallet Box	0.8770	12.2	61.2	1.66	$0.0678	$0.0594
Unload Bedloaded Sacks	0.0000	153.5	10.0	1.66	$0.0330	$0.0000
Crossdock Pallet/Pallet Box	0.8770	7.0	61.2	[redacted]		
Crossdock bedloaded sacks	0.0000	7.0	146.1			
Load Pallet/Pallet Box	0.8770	13.3	61.2	1.66	$0.0621	$0.0544
Bedload Sacks	0.0000	181.8	10.0	1.66	$0.0279	$0.0000
Destination Delivery Unit						**$0.1909**
Unload Pallet/Pallet Box	1.0000	12.2	61.2	1.66	$0.0678	$0.0678
Unload Bedloaded Sacks	0.0000	153.5	10.0	1.66	$0.0330	$0.0000
Dump Sacks	0.0000	110.4	10.0	1.66	$0.0458	$0.0000
Move Containers from Dock	1.0000	28.0	61.2	1.47	$0.0263	$0.0263
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	[redacted]
Model Weight[1]	**1.4%**
Wtd Modeled Cost	[redacted]

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

[1] Weights derived from volumes in Attachment A, page 6.

Machinable DSCF Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						**$0.0302**
Unload Pallet/Pallet Box	0.1230	12.2	61.2	1.78	$0.0730	$0.0090
Cross dock Pallet/Pallet Box	0.1230	7.0	61.2	1.48	$0.1058	$0.0130
Load Pallet/Pallet Box	0.1230	13.3	61.2	1.78	$0.0669	$0.0082
Destination SCF						**$0.2066**
Unload Pallet/Pallet Box	0.8770	12.2	61.2	1.66	$0.0678	$0.0594
Unload Bedloaded Sacks	0.0000	153.5	10.0	1.66	$0.0330	$0.0000
Crossdock Pallet/Pallet Box	0.8770	7.0	61.2	1.48	$0.1058	$0.0927
Crossdock bedloaded sacks	0.0000	7.0	146.1	1.48	$0.0443	$0.0000
Load Pallet/Pallet Box	0.8770	13.3	61.2	1.66	$0.0621	$0.0544
Bedload Sacks	0.0000	181.8	10.0	1.66	$0.0279	$0.0000
Destination Delivery Unit						**$0.1909**
Unload Pallet/Pallet Box	1.0000	12.2	61.2	1.66	$0.0678	$0.0678
Unload Bedloaded Sacks	0.0000	153.5	10.0	1.66	$0.0330	$0.0000
Dump Sacks	0.0000	110.4	10.0	1.66	$0.0458	$0.0000
Move Containers from Dock	1.0000	28.0	61.2	1.47	$0.0263	$0.0263
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	**$0.428**
Model Weight[1]	**1.4%**
Wtd Modeled Cost	**$0.006**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

[1] Weights derived from volumes in Attachment A, page 6.

Nonmachinable DSCF Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						[redacted]
Unload Pallet/Pallet Box	0.1230	12.2	20.5	1.78	$0.2182	$0.0268
Crossdock Pallet/Pallet Box	0.1230	7.0	20.5	[redacted]		
Load Pallet/Pallet Box	0.1230	13.3	20.5	1.78	$0.1999	$0.0246
Destination SCF						[redacted]
Unload Pallet/Pallet Box	0.8770	12.2	20.5	1.66	$0.2024	$0.1775
Crossdock Pallet/Pallet Box	0.8770	7.0	20.5	[redacted]		
Load Pallet/Pallet Box	0.8770	13.3	20.5	1.66	$0.1854	$0.1626
Destination Delivery Unit						**$0.3778**
Unload Pallet/Pallet Box	1.0000	12.2	20.5	1.66	$0.2024	$0.2024
Move Containers from Dock	1.0000	28.0	20.5	1.47	$0.0785	$0.0785
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	[redacted]
Model Weight[1]	**0.09%**
Wtd Modeled Cost	[redacted]

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

[1] Weights derived from volumes in Attachment A, page 6.

Nonmachinable DSCF Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						**$0.0903**
Unload Pallet/Pallet Box	0.1230	12.2	20.5	1.78	$0.2182	$0.0268
Crossdock Pallet/Pallet Box	0.1230	7.0	20.5	1.48	$0.3160	$0.0389
Load Pallet/Pallet Box	0.1230	13.3	20.5	1.78	$0.1999	$0.0246
Destination SCF						**$0.6172**
Unload Pallet/Pallet Box	0.8770	12.2	20.5	1.66	$0.2024	$0.1775
Crossdock Pallet/Pallet Box	0.8770	7.0	20.5	1.48	$0.3160	$0.2771
Load Pallet/Pallet Box	0.8770	13.3	20.5	1.66	$0.1854	$0.1626
Destination Delivery Unit						**$0.3778**
Unload Pallet/Pallet Box	1.0000	12.2	20.5	1.66	$0.2024	$0.2024
Move Containers from Dock	1.0000	28.0	20.5	1.47	$0.0785	$0.0785
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	**$1.085**
Model Weight[1]	**0.09%**
Wtd Modeled Cost	**$0.001**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

[1] Weights derived from volumes in Attachment A, page 6.

Nonmachinable DSCF Mail Processing Cost Model

Length plus Girth Between 108" and 130"

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						[redacted]
Unload Pallets	0.1230	12.2	7.0	1.78	$0.6406	$0.0788
Cross dock pallets	0.1230	7.0	7.0	[redacted]		
Load Pallets	0.1230	13.3	7.0	1.78	$0.5868	$0.0722
Destination SCF						[redacted]
Unload Pallets	0.8770	12.2	7.0	1.66	$0.5943	$0.5212
Crossdock Pallets	0.8770	7.0	7.0	[redacted]		
Load Pallets	0.8770	13.3	7.0	1.66	$0.5443	$0.4774
Destination Delivery Unit						**$0.9216**
Unload Pallets	1.0000	12.2	7.0	1.66	$0.5943	$0.5943
Move Containers from Dock	1.0000	28.0	7.0	1.47	$0.2305	$0.2305
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	[redacted]
Model Weight[1]	**0.002%**
Wtd Modeled Cost	[redacted]

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

[1] Weights derived from volumes in Attachment A, page 6.

Nonmachinable DSCF Mail Processing Cost Model

Length plus Girth Between 108" and 130"

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						**$0.2651**
Unload Pallets	0.1230	12.2	7.0	1.78	$0.6406	$0.0788
Cross dock pallets	0.1230	7.0	7.0	1.48	$0.9275	$0.1141
Load Pallets	0.1230	13.3	7.0	1.78	$0.5868	$0.0722
Destination SCF						**$1.8120**
Unload Pallets	0.8770	12.2	7.0	1.66	$0.5943	$0.5212
Crossdock Pallets	0.8770	7.0	7.0	1.48	$0.9275	$0.8134
Load Pallets	0.8770	13.3	7.0	1.66	$0.5443	$0.4774
Destination Delivery Unit						**$0.9216**
Unload Pallets	1.0000	12.2	7.0	1.66	$0.5943	$0.5943
Move Containers from Dock	1.0000	28.0	7.0	1.47	$0.2305	$0.2305
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	***$2.999***
Model Weight[1]	**0.002%**
Wtd Modeled Cost	**$0.0001**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
*Column [6]: (Column [1]) *(column [5]).*

[1] Weights derived from volumes in Attachment A, page 6.

DDU Machinable Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination Delivery Unit						**$0.1322**
Move Containers from Dock	1.0000	28.0	45.5	1.47	$0.0353	$0.0353
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	**$0.132**
Model Weight[1]	**11.0%**
Wtd Modeled Cost	**$0.015**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

DDU Nonmachinable Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversio	[4] piggyback	[5] $ per oper	[6] $ per facility
Destination Delivery Unit						**$0.1966**
Move Containers from Dock	1.0000	28.0	16.1	1.47	$0.0998	$0.0998
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	**$0.197**
Model Weight[1]	**0.7%**
Wtd Modeled Cost	**$0.001**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

Nonmachinable DDU Mail Processing Cost Model

Length plus Girth Between 108" and 130"

	[1] # handling	[2] units/hr	[3] conversio	[4] piggyback	[5] $ per oper	[6] $ per facility
Destination Delivery Unit						**$0.3849**
Move Containers from Dock	1.0000	28.0	5.6	1.47	$0.2881	$0.2881
Sort Parcels	1.0000	460.6	1.0	1.46	$0.0968	$0.0968

Model Cost	**$0.385**
Model Weight[1]	**0.02%**
Wtd Modeled Cost	**$0.00006**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

Nonmachinable 3-digit Presort DSCF Mail Processing Cost Model

Proposed Rate[1]

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination SCF						**$0.9186**
Unload Pallet/Pallet Box	1.0000	12.2	20.5	1.66	$0.2024	$0.2024
Move Pallet/Pallet Box	1.0000	14.0	20.5	1.66	$0.1764	$0.1764
Manual Sort	1.0000	497.7	1.0	1.50	$0.0923	$0.0923
Move IHC	0.2673	14.0	19.4	1.66	$0.1866	$0.0499
Move OTRs	0.6025	14.0	24.1	1.66	$0.1500	$0.0904
Move OWC	0.1302	14.0	10.2	1.66	$0.3529	$0.0460
Bedload NMOs	0.2673	175.9	1.0	1.66	$0.2879	$0.0769
Load OTRs w/ loose	0.6025	10.4	24.1	1.66	$0.2028	$0.1222
Load Hampers/OWC	0.1302	10.4	10.2	1.66	$0.4772	$0.0621
Destination Delivery Unit						**$0.3984**
Unload Bedload NMOs	0.2673	160.7	1.0	1.66	$0.3151	$0.0842
Unload loose in OTR	0.6025	20.7	24.1	1.66	$0.1014	$0.0611
Unload OWC	0.1302	20.7	10.2	1.66	$0.2385	$0.0311
Move Containers from Dock	1.0000	28.0	16.1	1.66	$0.1121	$0.1121
Sort Parcels	1.0000	460.6	1.0	1.66	$0.1099	$0.1099
				Model Cost		**$1.317**

Sources

Column [1]: Attachment A, page 4, arrival and dispatch profiles.
Column [2]: Attachment A, page 3, units per workhour.
Column [3]: Attachment A, page 7, conversion factors.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (Adjusted wage rate * column [4]) / (column [2] * column [3]).
Column [6]: (Column [1]) *(column [5]).

1 Since this rate category does not exist in the base year, the modeled costs are **not** inlcuded in the weighted-average used to calculate the proportional CRA adjustment factor on page 1 of this Attachment.

BMC Presort Parcel Post Cost Savings

Operation	[1] Nonpresorted Cost/Piece	[2] BMC Presorted Cost/Piece		[3] Difference (Savings)
Machinable Parcel Post				
Origin BMC	$0.4386	$0.1575		$0.2810
DBMC Unload	$0.0483	$0.0468		$0.0015
BMC Savings			1/	**$0.2825**
Nonmachinable Parcel Post				
Origin BMC	$1.0125	$0.6744		$0.3381
DBMC Unload	$0.1880	$0.2005		-$0.0125
BMC Savings			2/	**$0.3255**

Proportion of Inter-BMC volume that is Machinable	4/	0.97
Proportion of Inter-BMC volume that is Nonmachinable	5/	0.03
Total BMC Presort Related Savings	6/	**$0.284**

Sources

Column [1]: Attachment A, pages 8-9.
Column [2]: Attachment A, page 25, column 6.
Row 1/: Sum of cost savings for machinable Parcel Post.
Row 2/: Sum of cost savings for nonmachinable Parcel Post.
Row 3/: Sum of cost savings for oversize nonmachinable Parcel Post.
Row 4/: Machinable inter-BMC volume divided by total inter-BMC volume.
Row 5/: Nonmachinable inter-BMC volume divided by total nonmachinable inter-BMC volume.
Row 6/: [Row (4) * machinable BMC Savings] + [row (5) * nonmachinable BMC savings].

BMC PRESORTED PARCEL POST COST PER PIECE

Operation	[1] # handling	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper	[6] cost
Machinable BMC Presort						
Origin BMC						[redacted]
Unload Pallet Box	1.0000	12.2	95.4	1.78	$0.0468	$0.0468
Crossdock Pallet Box	1.0000	7.0	95.4	[redacted]		
Load Pallet Box	1.0000	13.3	95.4	1.78	$0.0429	$0.0429
Destination BMC						
Unload Pallet Box	1.0000	12.2	95.4	1.78	$0.0468	**$0.0468**
Nonmachinable BMC Presort						
Origin BMC						[redacted]
Unload Pallets	1.0000	12.2	22.3	1.78	$0.2005	$0.2005
Crossdock Pallets	1.0000	7.0	22.3	[redacted]		
Load NMOs Pallets	1.0000	13.34	22.3	1.78	$0.1836	$0.1836
Destination BMC						
Unload Pallets	1.0000	12.22	22.3	1.78	$0.2005	**$0.2005**

Sources

Column [1]: Each handled only one time.

Column [2]: Attachment A, page 3 (units per workhour).

Column [3]: Conversion factor. Reflects the average between the minimum requirements and maximum fullness. 'Mach min 52", max 69". NMO min 42", max 48 ".

Column [4]: Attachment A, page 5, test year operation specific piggyback factors.

Column [5]: (Wage rate * column [4]) / (column [2] * column [3]).

Column [6]: Column [5] * column [1].

BMC PRESORTED PARCEL POST COST PER PIECE

Operation	[1] # handling	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper	[6] cost
Machinable BMC Presort						
Origin BMC						**$0.1575**
Unload Pallet Box	1.0000	12.2	95.4	1.78	$0.0468	$0.0468
Crossdock Pallet Box	1.0000	7.0	95.4	1.48	$0.0678	$0.0678
Load Pallet Box	1.0000	13.3	95.4	1.78	$0.0429	$0.0429
Destination BMC						
Unload Pallet Box	1.0000	12.2	95.4	1.78	$0.0468	**$0.0468**
Nonmachinable BMC Presort						
Origin BMC						**$0.6744**
Unload Pallets	1.0000	12.2	22.3	1.78	$0.2005	$0.2005
Crossdock Pallets	1.0000	7.0	22.3	1.48	$0.2903	$0.2903
Load NMOs Pallets	1.0000	13.34	22.3	1.78	$0.1836	$0.1836
Destination BMC						
Unload Pallets	1.0000	12.22	22.3	1.78	$0.2005	**$0.2005**

Sources

Column [1]: Each handled only one time.
Column [2]: Attachment A, page 3 (units per workhour).
Column [3]: Conversion factor. Reflects the average between the minimum requirements and maximum fullness. 'Mach min 52", max 69". NMO min 42", max 48 ".
Column [4]: Attachment A, page 5, test year operation specific piggyback factors.
Column [5]: (Wage rate * column [4]) / (column [2] * column [3]).
Column [6]: Column [5] * column [1].

Prebarcoding Cost Savings Development Summary

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per operation	[6] facility	[7] Cost of ribbon and label	[8] Modeled Costs	[9] CRA Prop Adjust. Factor	[10] Adjusted Costs
NON-BARCODED										
Parcel Sorting Machine (Key)	1.0000	806.0	1.0	2.140	$0.0812	$0.0812	0.0005	$0.0817	[redacted]	[redacted]
BARCODED										
Scan (Primary) [1]	1.0000	1224.0	1.0	2.140	$0.0535	$0.0535		$0.0535	[redacted]	[redacted]
Key (assumes 3 percent non-read rate)	*0.0300*	*806.0*	*1.0*	*2.140*	*$0.0812*	*$0.0024*	*0.0005*	$0.0025	[redacted]	[redacted]
Total										[redacted]

Total Test Year Attributable Costs Avoided by Nonpresort Prebarcoded Machinable Parcels	1/	[redacted]

[1] Secondary productivity is used as a proxy for scan productivity.

Sources

Column [1]: Number of handlings for scan is reduced to reflect parcel singulators.
Column [2]: Attachment A, page 3 (units per workhour).
Column [3]: Handle one parcel at a time.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2]* column [3]).
Column [6]: Column [1] * column [5].
Column [7]: Docket No. R97-1, USPS-T-29, Exhibit E, page 6, column 5.
Column [8]: Column [6] + column [7].
Column [9]: Attachment A, page 1, row 3.
Column [10]: Modeled Cost [8] * proportional adjustment factor [9].

Row 1/: Non-Barcoded adjusted cost[10] - barcoded adjusted cost [10].

Prebarcoding Cost Savings Development Summary

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per operation	[6] facility	[7] Cost of ribbon and label	[8] Modeled Costs	[9] CRA Prop Adjust. Factor	[10] Adjusted Costs
NON-BARCODED										
Parcel Sorting Machine (Key)	1.0000	806.0	1.0	2.140	$0.0812	$0.0812	0.0005	$0.0817	1.286	$0.1051
BARCODED										
Scan (Primary) [1]	1.0000	1224.0	1.0	2.140	$0.0535	$0.0535		$0.0535	1.286	$0.0688
Key (assumes 3 percent non-read rate)	0.0300	806.0	1.0	2.140	$0.0812	$0.0024	0.0005	$0.0025	1.286	$0.0032
Total										$0.0719

Total Test Year Attributable Costs Avoided by Nonpresort Prebarcoded Machinable Parcels	1/	**$0.0332**

[1] Secondary productivity is used as a proxy for scan productivity.

Sources

Column [1]: Number of handlings for scan is reduced to reflect parcel singulators.
Column [2]: Attachment A, page 3 (units per workhour).
Column [3]: Handle one parcel at a time.
Column [4]: Attachment A, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2]* column [3]).
Column [6]: Column [1] * column [5].
Column [7]: Docket No. R97-1, USPS-T-29, Exhibit E, page 6, column 5.
Column [8]: Column [6] + column [7].
Column [9]: Attachment A, page 1, row 3.
Column [10]: Modeled Cost [8] * proportional adjustment factor [9].

Row 1/: Non-Barcoded adjusted cost[10] - barcoded adjusted cost [10].

Calculation of DBMC Window Service Cost Savings

Window Service Parcel Post Costs		
Base Year 2000 Window Service Cost Segment 3.2 total	1/	$6,937,616
Window Service CS 3.2 direct Costs	2/	$6,547.0722
Parcel Select	3/	$312
Non Parcel Select	4/	$6,235
Proportion of Parcel Select of Total Window Service Costs	5/	4.76%
Proportion of Non-Parcel Select of Total Window Service Costs	6/	95.24%
Total Window Service Costs by Rate Category Allocated in Proportion to Direct Costs		
Parcel Select	7/	$330,442
Non Parcel Select	8/	$6,607,174
Parcel Post Volumes		
Parcel Select	9/	244,274,811
Non Parcel Select	10/	79,892,314
Wage Adjustment Factor	11/	1.137
Window Service Piggyback Factor	12/	1.465
Cost per Piece		
Parcel Select	13/	$0.0023
Non Parcel Select	14/	$0.1377
Cost Savings	**15/**	**$0.135**

Sources

Row 1/: USPS-T-11, Exhibit A.
Row 2/: Row (3) + row (4).
Row 3/: LR-I-65.
Row 4/: LR-I-65.
Row 5/: Row (3) / row (2).
Row 6/: Row (4) / row (2).
Row 7/: Row (1) * row (5).
Row 8/: Row (1) * row (6).
Row 9/: Attachment A, page 6.
Row 10/: Attachment A, page 6.
Row 11/: Attachment A, page 5.
Row 12/: Attachment A, page 5.
Row 13/: Row (7) / row (9)* row (11) * row (12).
Row 14/: Row (8) / row (10) * row (11) * row (12).
Row 15/: Row (14) - row (13).

Attachment B

Summary of Parcel Post Cube-Weight Relationship by Rate Category

Model Specification: $LN(CF/PC) = a + b(LN(Lbs)) + c(LN(Lbs))^2$

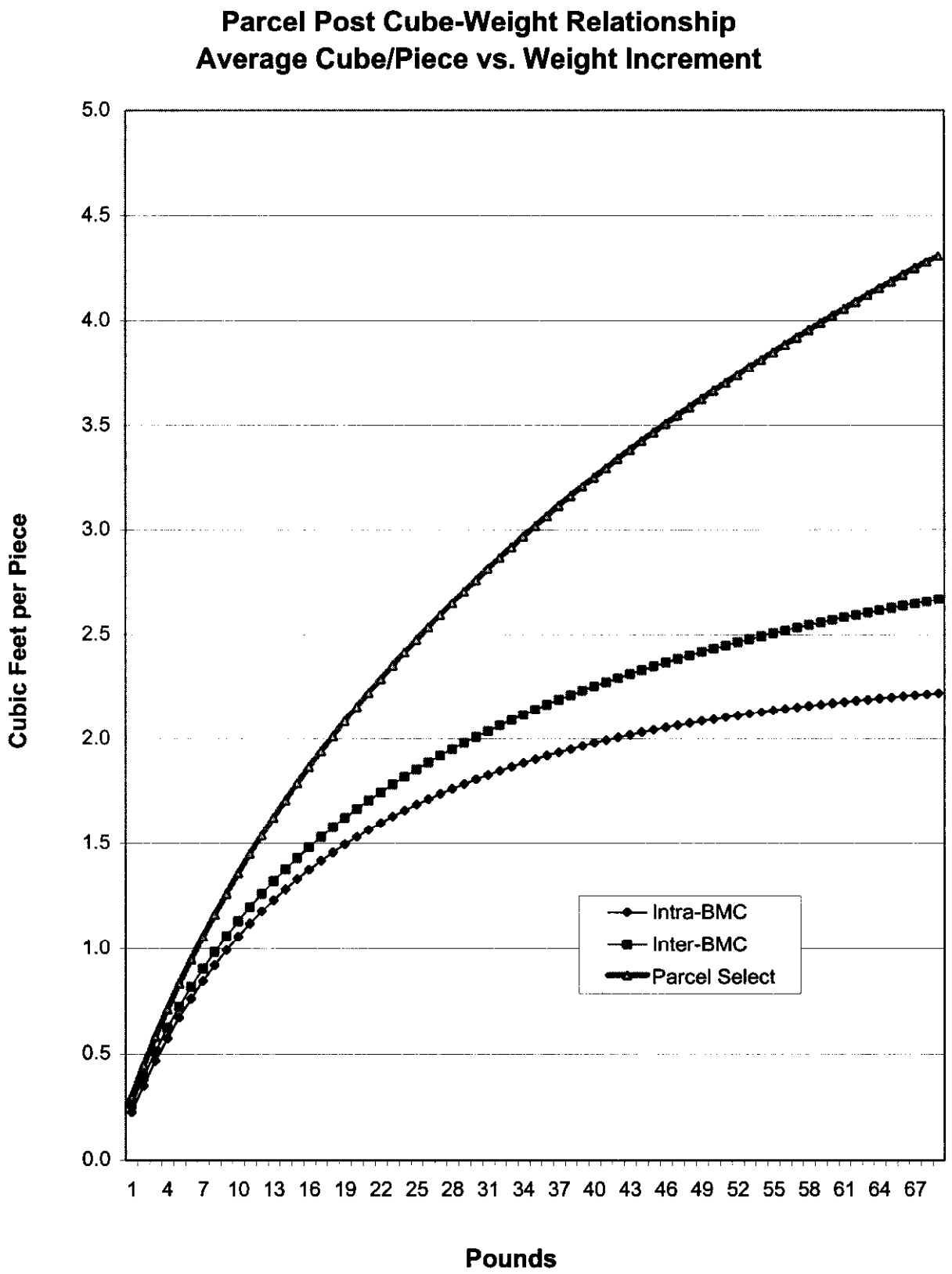
	Intra-BMC [1]		Inter-BMC [2]		Parcel Select [3]
a=	-2.35563	a=	-2.125810	a=	-1.943560
b=	1.34863	b=	1.206240	b=	1.117000
c=	-0.14274	c=	-0.111740	c=	-0.074310

LBS	Estimated CF/PC [4]	Estimated CF/PC [5]	Estimated CF/PC [6]
2	0.22551	0.26096	0.29969
3	0.35124	0.39240	0.44660
4	0.46750	0.51255	0.58399
5	0.57417	0.62258	0.71298
6	0.67202	0.72379	0.83466
7	0.76200	0.81735	0.94994
8	0.84497	0.90423	1.05956
9	0.92173	0.98522	1.16414
10	0.99294	1.06102	1.26421
11	1.05919	1.13217	1.36018
12	1.12098	1.19915	1.45242
13	1.17875	1.26238	1.54127
14	1.23288	1.32220	1.62698
15	1.28369	1.37892	1.70980
16	1.33148	1.43279	1.78994
17	1.37649	1.48405	1.86758
18	1.41896	1.53291	1.94290
19	1.45909	1.57954	2.01603
20	1.49705	1.62411	2.08712
21	1.53301	1.66676	2.15628
22	1.56710	1.70763	2.22362
23	1.59946	1.74682	2.28924
24	1.63021	1.78445	2.35324
25	1.65946	1.82061	2.41569
26	1.68729	1.85539	2.47668
27	1.71380	1.88887	2.53627
28	1.73908	1.92113	2.59453
29	1.76319	1.95223	2.65152
30	1.78620	1.98224	2.70729
31	1.80818	2.01121	2.76190
32	1.82918	2.03919	2.81540
33	1.84926	2.06624	2.86783
34	1.86847	2.09241	2.91924
35	1.88686	2.11773	2.96966
36	1.90446	2.14224	3.01914
37	1.92132	2.16599	3.06770
38	1.93748	2.18900	3.11538
39	1.95296	2.21131	3.16222
40	1.96781	2.23295	3.20823
41	1.98205	2.25395	3.25346
42	1.99571	2.27434	3.29792
43	2.00882	2.29414	3.34165
44	2.02140	2.31337	3.38466
45	2.03348	2.33206	3.42698
46	2.04508	2.35022	3.46863
47	2.05622	2.36789	3.50963
48	2.06692	2.38507	3.55000
49	2.07719	2.40179	3.58976
50	2.08707	2.41807	3.62892
51	2.09655	2.43391	3.66751
52	2.10567	2.44934	3.70553
53	2.11443	2.46436	3.74301
54	2.12284	2.47900	3.77997
55	2.13093	2.49327	3.81640
56	2.13870	2.50717	3.85233
57	2.14617	2.52073	3.88778
58	2.15335	2.53395	3.92274
59	2.16024	2.54684	3.95725
60	2.16687	2.55942	3.99129
61	2.17323	2.57169	4.02490
62	2.17934	2.58367	4.05808
63	2.18521	2.59536	4.09083
64	2.19085	2.60677	4.12318
65	2.19626	2.61791	4.15512
66	2.20146	2.62879	4.18667
67	2.20644	2.63942	4.21784
68	2.21123	2.64980	4.24863
69	2.21581	2.65994	4.27906
70	2.22021	2.66984	4.30913
Balloon[1]	3.42538	3.51399	3.75521
Oversize[1]	7.25530	7.46745	6.62786

[1]Balloon and Oversize cubic feet per pieces are averages from FY2000.

Columns [1-3]: Parameter estimates are from LR-J-66.

Columns [4-5]: $Exp(a + b * (LN(LBS)) + c * (LN(LBS))^2)$, using parameters from columns [1-3].


Parcel Post Cube-Weight Relationship
Average Cube/Piece vs. Weight Increment
Cubic Feet per Piece
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1 4 7 10 13 16 19 22 25 28 31 34 37 40 43 46 49 52 55 58 61 64 67
Pounds
Intra-BMC
Inter-BMC
Parcel Select

Parcel Post Cubic Foot and Cubic Foot Mile Input Data

Inter-BMC Cubic Feet by Zone and Weight Increment

LBS	Local	Zones 1 & 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Total
2		374,947	464,966	670,385	591,743	294,219	207,110	357,199	2,960,570
3		513,343	595,998	650,624	493,364	227,157	167,630	308,931	2,957,048
4		402,776	612,518	917,546	286,538	182,909	139,216	192,551	2,734,054
5		289,552	526,302	777,964	222,200	149,326	96,091	181,391	2,242,827
6		255,791	366,059	533,829	133,122	115,797	68,101	150,021	1,622,719
7		114,161	282,237	449,179	143,691	62,482	59,127	104,722	1,215,599
8		113,151	259,741	325,915	130,469	68,043	66,870	91,311	1,055,500
9		126,837	174,039	298,773	137,977	68,462	52,953	83,719	942,759
10		82,362	124,787	286,940	168,369	85,552	19,064	71,334	838,408
11		128,208	104,364	233,722	196,888	91,881	38,565	80,920	874,547
12		54,301	108,708	188,011	175,535	121,055	33,269	71,006	751,885
13		73,329	40,032	198,791	102,181	99,107	69,073	57,436	639,949
14		54,366	76,880	150,706	162,925	104,843	33,958	46,710	630,388
15		49,869	59,212	102,583	126,163	81,974	41,895	47,403	509,101
16		44,972	86,239	169,466	145,137	78,699	37,810	56,979	619,303
17		27,246	57,434	99,343	83,605	59,903	30,638	82,904	441,073
18		34,240	56,091	49,995	88,907	82,580	34,661	40,841	387,316
19		13,717	47,746	87,709	85,380	45,676	36,679	37,073	353,979
20		29,297	37,022	54,298	81,539	55,593	25,831	40,980	324,561
21		20,021	34,340	40,951	86,623	47,410	19,881	49,213	298,439
22		5,597	23,245	58,406	74,290	41,091	52,864	53,033	308,527
23		19,231	17,630	56,841	146,299	39,981	25,928	76,518	382,427
24		7,577	41,784	56,010	62,765	50,262	28,994	49,203	296,595
25		2,561	29,163	38,835	35,311	35,387	15,391	64,232	220,880
26		8,168	38,434	38,107	31,808	44,766	68,547	45,402	275,232
27		4,073	10,030	21,435	59,609	16,523	23,096	24,211	158,977
28		22,110	4,765	19,476	22,684	12,675	22,876	48,386	152,972
29		9,497	9,077	37,217	25,294	33,790	9,730	38,489	163,095
30		5,074	34,954	11,283	23,476	18,030	12,233	33,609	138,658
31		34,635	18,374	8,362	28,411	13,167	17,258	39,124	159,331
32		1,256	5,183	23,077	22,326	19,066	10,610	48,792	130,309
33		800	6,690	26,693	34,547	14,234	12,344	18,418	113,725
34		256	6,433	21,465	19,590	9,398	2,233	23,345	82,721
35		907	5,791	10,695	22,207	10,737	6,263	7,792	64,391
36		1,636	14,493	5,154	5,982	2,579	8,691	14,545	53,081
37		133	2,192	5,084	6,854	3,653	5,853	18,102	41,872
38		3,030	1,823	4,339	6,574	9,238	10,830	16,189	52,022
39		11,442	1,220	2,508	15,105	2,982	2,177	10,844	46,277
40		747	658	4,727	6,751	544	4,591	3,850	21,868
41		597	1,370	4,504	4,828	3,138	6,455	5,628	26,520
42		645	9,432	1,873	4,948	2,714	3,680	2,273	25,566
43		194	4,191	2,500	5,978	1,568	2,008	2,561	19,001
44		4,587	1,301	2,011	1,992	11,586	386	4,075	25,939
45		0	2,252	2,697	5,113	2,835	2,225	5,761	20,883
46		279	237	3,880	1,573	969	539	864	8,341
47		0	444	2,027	4,296	3,597	463	7,398	18,224
48		411	587	641	5,249	2,563	1,100	1,852	12,403
49		163	322	1,033	5,316	1,262	1,689	2,028	11,812
50		0	246	220	833	4,512	429	1,338	7,581
51		0	539	841	2,602	235	756	6,188	11,160
52		0	2,374	636	1,646	1,185	800	2,859	9,500
53		0	1,449	5,401	2,709	453	2,113	2,208	14,335
54		0	385	338	9,905	440	3,272	1,945	16,285
55		0	147	0	3,046	1,081	276	2,810	7,361
56		0	322	401	624	933	0	5,108	7,388
57		0	0	270	4,643	607	3,633	3,320	12,474
58		0	0	258	0	706	1,113	1,255	3,331
59		109	0	334	0	168	1,380	848	2,839
60		0	2,325	576	968	1,818	4,767	304	10,758
61		386	0	939	106	390	3,098	1,221	6,139
62		233	332	261	1,001	0	429	3,611	5,866
63		234	0	623	1,045	364	0	556	2,821
64		0	270	116	3,594	710	312	1,221	6,223
65		0	0	0	0	1,708	0	491	2,198
66		0	0	992	52	795	0	814	2,653
67		0	0	0	139	968	297	987	2,391
68		319	341	359	0	0	0	192	1,211
69		0	0	0	565	237	159	273	1,234
70		0	0	832	191	0	484	2,719	4,224
Balloon		59,088	263,902	209,013	74,031	47,454	69,700	37,428	760,617
Oversize		3,552	24,351	38,919	7,051	4,365	7,117	29,909	115,263
Total		3,012,014	4,703,771	7,018,937	4,446,284	2,600,135	1,737,612	2,926,774	26,445,528

All data are calculated by multiplying the number of pieces in each rate cell (USPS-T-33) by the corresponding estimated cubic feet per piece for inter-BMC parcels (Attachment B, page 1).

Parcel Post Cubic Foot and Cubic Foot Mile Input Data

Intra-BMC Cubic Feet by Zone and Weight Increment

LBS	Local	Zones 1 & 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Total
2	181,491	1,518,210	250,180	32,345	1,509				1,983,735
3	135,779	1,367,701	265,083	43,221	910				1,812,694
4	127,708	1,072,852	243,075	41,392	3,466				1,488,495
5	86,489	823,558	176,740	44,575	5,686				1,137,049
6	71,672	693,243	105,195	16,801	0				886,911
7	62,519	545,655	94,151	21,514	159				723,999
8	51,210	420,174	67,875	19,868	1,092				560,218
9	28,462	358,230	52,671	17,369	0				456,732
10	25,152	255,741	57,744	7,348	882				346,867
11	22,454	200,966	42,724	18,562	0				284,706
12	21,438	210,438	23,510	14,035	2,265				271,686
13	10,838	131,403	48,792	5,703	172				196,909
14	9,921	125,553	29,409	8,116	0				173,000
15	4,492	140,463	36,848	11,859	0				193,663
16	30,205	112,340	16,924	1,991	0				161,460
17	11,814	144,167	23,752	4,463	402				184,599
18	6,697	84,929	16,282	1,906	2,205				112,020
19	15,805	107,785	7,196	2,367	0				133,153
20	4,927	102,022	10,107	9,380	0				126,436
21	5,041	57,026	7,924	681	0				70,672
22	8,750	116,325	17,182	7	0				142,264
23	9,326	61,225	5,103	6,207	0				81,861
24	9,742	53,269	12,270	2,697	0				77,979
25	4,981	73,658	7,435	29	0				86,103
26	4,071	60,870	14,291	2,624	0				81,855
27	5,793	43,882	24,661	370	1,332				76,038
28	20,893	30,215	14,113	2,514	0				67,735
29	6,245	57,066	4,482	4,566	1,141				73,501
30	994	33,426	6,842	0	0				41,262
31	744	50,273	12,170	0	0				63,187
32	11,826	62,645	14,215	2,493	0				91,179
33	1,152	36,857	2,438	1,100	1,377				42,925
34	2,423	19,339	6,937	5,089	0				33,787
35	4,525	27,568	2,614	0	0				34,707
36	400	23,057	4,716	7,911	0				36,084
37	145	22,827	1,223	0	0				24,195
38	788	15,776	6,893	0	0				23,457
39	116	22,870	4,569	417	0				27,972
40	504	12,971	15,430	82	0				28,988
41	1,290	5,813	2,301	0	290				9,694
42	2,548	23,200	6,073	15	0				31,836
43	111	13,072	4,035	0	0				17,217
44	1,474	7,616	9,632	401	0				19,123
45	0	7,711	422	1,893	500				10,526
46	0	3,685	2,563	0	0				6,248
47	139	13,583	1,285	0	0				15,007
48	2,989	7,782	5,018	0	0				15,789
49	1,480	8,474	137	287	0				10,379
50	396	3,019	5,475	7	0				8,897
51	0	9,453	661	0	0				10,114
52	160	18,160	541	0	0				18,861
53	161	23,476	104	0	0				23,742
54	511	14,643	0	0	0				15,155
55	0	2,201	6,219	1,130	0				9,551
56	4,750	1,438	674	0	0				6,863
57	0	2,368	779	0	0				3,147
58	0	706	9	0	0				715
59	0	893	436	0	0				1,328
60	0	3,350	0	0	0				3,350
61	0	624	9	0	0				633
62	91	4,118	55	0	0				4,264
63	738	0	967	0	0				1,705
64	6,550	1,347	9	0	478				8,384
65	61	9	472	0	0				542
66	0	1,781	0	0	0				1,781
67	0	661	1,128	0	0				1,788
68	0	697	0	0	0				697
69	0	0	0	0	0				0
70	0	1,365	700	0	0				2,065
Balloon	41,299	285,422	47,912	4,739	11,498				390,870
Oversize	20,587	65,110	2,786	0	0				88,482
Total	1,092,866	9,828,355	1,854,169	368,076	35,365				13,178,830

All data are calculated by multiplying the number of pieces in each rate cell (USPS-T-33) by the corresponding estimated cubic feet per piece for intra-BMC parcels (Attachment B, page 1).

Parcel Post Cubic Foot and Cubic Foot Mile Input Data

Parcel Select Cubic Feet by Zone and Weight Increment

LBS	DDU	DSCF	Zones 1 & 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	DBMC Total
2	7,174,121	747,575	17,275,020	[redacted]						[redacted]
3	9,866,775	905,988	16,184,273	[redacted]						[redacted]
4	8,555,193	619,122	10,949,632	[redacted]						[redacted]
5	7,111,897	432,590	9,784,810	[redacted]						[redacted]
6	5,834,548	439,669	8,337,507	[redacted]						[redacted]
7	4,910,414	401,599	6,668,546	[redacted]						[redacted]
8	4,274,999	388,270	5,312,728	[redacted]						[redacted]
9	3,420,786	333,058	4,505,089	[redacted]						[redacted]
10	2,891,519	327,510	3,814,123	[redacted]						[redacted]
11	2,370,088	257,385	3,447,148	[redacted]						[redacted]
12	1,945,923	205,041	3,202,542	[redacted]						[redacted]
13	1,650,395	178,233	2,459,473	[redacted]						[redacted]
14	1,709,476	164,321	2,452,374	[redacted]						[redacted]
15	1,476,982	150,217	2,102,523	[redacted]						[redacted]
16	1,160,843	141,801	1,619,081	[redacted]						[redacted]
17	1,012,930	125,514	1,574,569	[redacted]						[redacted]
18	919,926	121,822	1,458,968	[redacted]						[redacted]
19	773,937	93,859	2,325,508	[redacted]						[redacted]
20	757,359	71,309	1,471,915	[redacted]						[redacted]
21	694,929	74,482	1,217,861	[redacted]						[redacted]
22	585,353	55,936	1,139,941	[redacted]						[redacted]
23	549,883	67,901	1,088,423	[redacted]						[redacted]
24	619,770	48,595	1,573,029	[redacted]						[redacted]
25	486,608	51,698	760,904	[redacted]						[redacted]
26	518,270	44,634	831,160	[redacted]						[redacted]
27	452,464	34,281	688,118	[redacted]						[redacted]
28	600,423	126,637	991,961	[redacted]						[redacted]
29	393,939	71,678	743,828	[redacted]						[redacted]
30	1,424,887	51,840	626,319	[redacted]						[redacted]
31	491,754	97,475	1,286,653	[redacted]						[redacted]
32	293,863	31,712	788,748	[redacted]						[redacted]
33	248,091	31,226	553,365	[redacted]						[redacted]
34	204,690	28,497	354,398	[redacted]						[redacted]
35	192,026	23,414	365,029	[redacted]						[redacted]
36	186,283	28,339	294,406	[redacted]						[redacted]
37	156,460	11,518	230,853	[redacted]						[redacted]
38	137,806	21,054	240,046	[redacted]						[redacted]
39	134,227	10,685	234,533	[redacted]						[redacted]
40	129,274	18,068	269,379	[redacted]						[redacted]
41	119,341	18,323	339,691	[redacted]						[redacted]
42	124,817	11,144	416,338	[redacted]						[redacted]
43	98,814	7,528	429,515	[redacted]						[redacted]
44	93,524	7,625	407,593	[redacted]						[redacted]
45	105,151	15,440	303,901	[redacted]						[redacted]
46	87,572	7,814	229,739	[redacted]						[redacted]
47	91,513	7,906	174,949	[redacted]						[redacted]
48	70,146	2,666	128,059	[redacted]						[redacted]
49	54,858	5,391	103,934	[redacted]						[redacted]
50	57,502	6,812	92,100	[redacted]						[redacted]
51	96,051	16,524	115,365	[redacted]						[redacted]
52	60,522	6,956	95,561	[redacted]						[redacted]
53	90,944	4,216	170,407	[redacted]						[redacted]
54	74,638	4,258	134,412	[redacted]						[redacted]
55	57,225	4,299	95,132	[redacted]						[redacted]
56	72,381	1,446	131,941	[redacted]						[redacted]
57	65,751	4,379	118,790	[redacted]						[redacted]
58	33,316	1,473	56,630	[redacted]						[redacted]
59	35,102	4,457	132,516	[redacted]						[redacted]
60	27,758	4,496	512,650	[redacted]						[redacted]
61	64,469	6,045	156,226	[redacted]						[redacted]
62	65,542	15,236	100,616	[redacted]						[redacted]
63	24,178	0	38,990	[redacted]						[redacted]
64	23,137	1,548	42,125	[redacted]						[redacted]
65	21,195	0	37,381	[redacted]						[redacted]
66	22,829	1,572	35,365	[redacted]						[redacted]
67	18,857	1,584	74,895	[redacted]						[redacted]
68	9,702	0	129,931	[redacted]						[redacted]
69	7,587	0	14,869	[redacted]						[redacted]
70	8,315	0	9,417	[redacted]						[redacted]
Balloon	5,345,574	480,649	8,996,450	1,827,455	300,161	0				11,124,066
Oversize	872,726	78,471	1,468,773	442,377	153,907	7,868				2,072,924
Total	84,320,149	7,762,813	134,519,046	[redacted]						[redacted]

All data are calculated by multiplying the number of pieces in each rate cell (USPS-T-33) by the corresponding estimated cubic feet per piece for DBMC parcels (Attachment B, page 1).

Parcel Post Cubic Foot and Cubic Foot Mile Input Data

Parcel Select Cubic Feet by Zone and Weight Increment

LBS	DDU	DSCF	Zones 1 & 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	DBMC Total
2	7,174,121	747,575	17,275,020	3,991,226	700,084	12,706				21,979,036
3	9,866,775	905,988	16,184,273	3,155,748	549,505	13,383				19,902,909
4	8,555,193	619,122	10,949,632	2,024,228	333,272	50,391				13,357,524
5	7,111,897	432,590	9,784,810	1,838,058	283,378	9,254				11,915,501
6	5,834,548	439,669	8,337,507	1,592,934	313,812	7,342				10,251,595
7	4,910,414	401,599	6,668,546	1,192,428	208,592	4,139				8,073,705
8	4,274,999	388,270	5,312,728	1,005,542	152,529	3,559				6,474,358
9	3,420,786	333,058	4,505,089	838,743	123,300	2,974				5,470,107
10	2,891,519	327,510	3,814,123	684,541	108,959	2,639				4,610,262
11	2,370,088	257,385	3,447,148	654,248	99,194	3,361				4,203,951
12	1,945,923	205,041	3,202,542	562,998	82,998	2,119				3,850,657
13	1,650,395	178,233	2,459,473	464,141	64,661	1,904				2,990,179
14	1,709,476	164,321	2,452,374	432,406	66,522	2,169				2,953,471
15	1,476,982	150,217	2,102,523	408,771	61,106	2,900				2,575,300
16	1,160,843	141,801	1,619,081	301,499	48,164	5,510				1,974,254
17	1,012,930	125,514	1,574,569	299,957	55,962	3,703				1,934,190
18	919,926	121,822	1,458,968	288,285	46,081	1,302				1,794,636
19	773,937	93,859	2,325,508	425,937	64,793	7,571				2,823,809
20	757,359	71,309	1,471,915	289,608	42,488	2,287				1,806,298
21	694,929	74,482	1,217,861	208,376	31,333	948				1,458,519
22	585,353	55,936	1,139,941	183,067	25,428	1,397				1,349,834
23	549,883	67,901	1,088,423	185,201	29,183	1,039				1,303,845
24	619,770	48,595	1,573,029	208,230	26,523	1,478				1,809,261
25	486,608	51,698	760,904	148,338	27,672	826				937,741
26	518,270	44,634	831,160	164,991	20,677	553				1,017,381
27	452,464	34,281	688,118	121,901	15,936	655				826,610
28	600,423	126,637	991,961	181,355	29,625	2,029				1,204,969
29	393,939	71,678	743,828	142,613	21,740	981				909,162
30	1,424,887	51,840	626,319	113,502	22,703	605				763,129
31	491,754	97,475	1,286,653	232,139	52,511	3,509				1,574,812
32	293,863	31,712	788,748	159,178	31,931	2,319				982,176
33	248,091	31,226	553,365	111,476	30,139	18,818				713,798
34	204,690	28,497	354,398	70,809	14,015	734				439,956
35	192,026	23,414	365,029	63,111	13,086	145				441,370
36	186,283	28,339	294,406	66,413	9,156	190				370,164
37	156,460	11,518	230,853	52,220	6,488	128				289,690
38	137,806	21,054	240,046	42,249	7,647	152				290,095
39	134,227	10,685	234,533	40,889	6,549	155				282,125
40	129,274	18,068	269,379	42,094	5,612	112				317,197
41	119,341	18,323	339,691	44,137	7,300	136				391,265
42	124,817	11,144	416,338	55,113	6,505	92				478,048
43	98,814	7,528	429,515	45,615	8,331	47				483,508
44	93,524	7,625	407,593	39,378	3,665	47				450,684
45	105,151	15,440	303,901	45,165	5,342	72				354,478
46	87,572	7,814	229,739	33,174	4,066	0				266,979
47	91,513	7,906	174,949	30,797	4,630	98				210,474
48	70,146	2,666	128,059	23,912	4,430	50				156,451
49	54,858	5,391	103,934	20,972	3,471	25				128,402
50	57,502	6,812	92,100	18,671	3,075	0				113,846
51	96,051	16,524	115,365	21,507	3,644	102				140,619
52	60,522	6,956	95,561	18,283	3,010	52				116,906
53	90,944	4,216	170,407	26,523	3,764	261				200,956
54	74,638	4,258	134,412	29,521	3,970	132				168,035
55	57,225	4,299	95,132	23,031	3,497	80				121,740
56	72,381	1,446	131,941	34,825	4,722	81				171,569
57	65,751	4,379	118,790	30,192	3,852	54				152,888
58	33,316	1,473	56,630	12,756	2,031	27				71,444
59	35,102	4,457	132,516	10,201	1,719	0				144,436
60	27,758	4,496	512,650	8,927	1,710	28				523,315
61	64,469	6,045	156,226	24,366	4,215	112				184,919
62	65,542	15,236	100,616	16,166	2,994	85				119,861
63	24,178	0	38,990	8,911	1,278	0				49,179
64	23,137	1,548	42,125	10,412	1,423	0				53,960
65	21,185	0	37,381	8,167	1,397	87				47,032
66	22,629	1,572	35,365	7,496	972	0				43,832
67	18,857	1,584	74,895	6,691	991	29				82,607
68	9,702	0	129,931	3,642	619	0				134,193
69	7,587	0	14,869	3,369	356	0				18,594
70	8,315	0	9,417	2,098	359	30				11,905
Balloon	5,345,574	480,649	8,996,450	1,827,455	300,161	0				11,124,066
Oversize	872,726	78,471	1,468,773	442,377	153,907	7,868				2,072,924
Total	84,320,149	7,762,813	134,519,046	25,923,300	4,384,761	185,584				165,012,690

All data are calculated by multiplying the number of pieces in each rate cell (USPS-T-33) by the corresponding estimated cubic feet per piece for DBMC parcels (Attachment B, page 1).

Parcel Post Cubic Foot and Cubic Foot Mile Input Data

Summary of Cubic Feet and Cubic Foot Miles by Rate Category and Zone

TY03 Cubic Feet by Zone

Zone	[1] Inter-BMC	[2] Intra-BMC	[3] DBMC	[4] DSCF	[5] DDU	[6] Total
Local	0	1,092,866		7,762,813	84,320,149	93,175,828
1-2	3,012,014	9,828,355	134,519,046			147,359,415
3	4,703,771	1,854,169	[redacted]			[redacted]
4	7,018,937	368,076	[redacted]			[redacted]
5	4,446,284	35,365	145,241			[redacted]
6	2,600,135	0	0			2,600,135
7	1,737,612	0	0			1,737,612
8	2,926,774	0	0			2,926,774
Total	**26,445,528**	**13,178,830**	[redacted]	**7,762,813**	**84,320,149**	[redacted]
Total excluding local		**12,085,964**				

FY00 Cubic Foot Miles by Zone

Zone	[7] Inter-BMC	[8] Intra-BMC	[9] Parcel Select	[10] Total
Local	0	0	0	0
1-2	400,803,540	584,284,055	7,422,958,970	8,408,046,565
3	1,335,045,382	537,344,068	5,091,798,588	6,964,188,038
4	3,729,110,675	190,345,923	1,407,774,602	5,327,231,200
5	3,979,342,135	11,733,951	123,495,078	4,114,571,164
6	3,398,685,692	0	0	3,398,685,692
7	3,074,877,844	0	0	3,074,877,844
8	8,387,071,795	0	0	8,387,071,795
Total	**24,304,937,063**	**1,323,707,997**	**14,046,027,238**	**39,674,672,298**

Sources

Column [1]: Attachment B page 3, total cubic feet for each zone.
Column [2]: Attachment B, page 4, total cubic feet for each zone.
Column [3]: Attachment B, page 5, total cubic feet for each zone.
Column [4]: Attachment B, page 5, total cubic feet for each zone.
Column [5]: Attachment B, page 5, total cubic feet for each zone.
Column [6]: Sum of column [1] through [5].
Column [7]: USPS LR-J-67.
Column [8]: USPS LR-J-67.
Column [9]: USPS LR-J-67.
Column [10]: Column [7] + column [8] + column [9].

Parcel Post Cubic Foot and Cubic Foot Mile Input Data

Summary of Cubic Feet and Cubic Foot Miles by Rate Category and Zone

TY03 Cubic Feet by Zone

Zone	[1] Inter-BMC	[2] Intra-BMC	[3] DBMC	[4] DSCF	[5] DDU	[6] Total
Local	0	1,092,866		7,762,813	84,320,149	93,175,828
1-2	3,012,014	9,828,355	134,519,046			147,359,415
3	4,703,771	1,854,169	25,923,300			32,481,240
4	7,018,937	368,076	4,384,761			11,771,773
5	4,446,284	35,365	185,584			4,667,233
6	2,600,135	0	0			2,600,135
7	1,737,612	0	0			1,737,612
8	2,926,774	0	0			2,926,774
Total	**26,445,528**	**13,178,830**	**165,012,690**	**7,762,813**	**84,320,149**	**296,720,010**
Total excluding local		**12,085,964**				

FY00 Cubic Foot Miles by Zone

Zone	[7] Inter-BMC	[8] Intra-BMC	[9] Parcel Select	[10] Total
Local	0	0	0	0
1-2	400,803,540	584,284,055	7,422,958,970	8,408,046,565
3	1,335,045,382	537,344,068	5,091,798,588	6,964,188,038
4	3,729,110,675	190,345,923	1,407,774,602	5,327,231,200
5	3,979,342,135	11,733,951	123,495,078	4,114,571,164
6	3,398,685,692	0	0	3,398,685,692
7	3,074,877,844	0	0	3,074,877,844
8	8,387,071,795	0	0	8,387,071,795
Total	**24,304,937,063**	**1,323,707,997**	**14,046,027,238**	**39,674,672,298**

Sources

Column [1]: Attachment B page 3, total cubic feet for each zone.
Column [2]: Attachment B, page 4, total cubic feet for each zone.
Column [3]: Attachment B, page 5, total cubic feet for each zone.
Column [4]: Attachment B, page 5, total cubic feet for each zone.
Column [5]: Attachment B, page 5, total cubic feet for each zone.
Column [6]: Sum of column [1] through [5].
Column [7]: USPS LR-J-67.
Column [8]: USPS LR-J-67.
Column [9]: USPS LR-J-67.
Column [10]: Column [7] + column [8] + column [9].

Division of Parcel Post Transportation Costs
Division of Total Parcel Post Costs Into Function (all costs are in thousands)

	[1]	[2]	[3]	[4]	[5]	[6]
	Total Parcel Post Tran Costs	Local Costs	Inter Costs	Long Dist. ZR Costs	Long Dist NZR Costs	Zone-Related Percentage
Domestic Airmail						
Roll Forward						
Christmas[1]	$2			$1	$1	0.72
Intra-Alaska preferential	$2,671		$2,671			
Intra-Hawaii	$689		$689			
Use Test-Year Inputs						
Intra-Alaska non-pref[2]	$7,254		$7,254			
Passenger Air[3]	$2,291			$861	$1,430	0.38
Dedicated Networks						
DNET & HASP	$1,193					
Eagle Network	$47					
Western Network	$17					
Air taxi	$6,778					
Total Base Year Domestic Airmal	**$20,942**					
Domestic Airmail that rolls forward	**$3,362**	**$0**	**$3,360**	**$1**	**$1**	
Domestic Airmail Percent	***100.00%***	***0.00%***	***99.94%***	***0.04%***	***0.02%***	
Highway Service						
Intra-SCF	$57,795	$57,795				
Inter-SCF	$17,929		$17,929			
Intra-BMC	$94,753		$94,753			
Inter-BMC[4]	$61,851		$34,018	$27,833		
Plant loaded	$1,731		$1,731			
Contract term van damage[5]	$769	$191	$486	$92	$0	
Alaskan highway service	$1,685		$1,685			
Area bus	$0					
Empty equipment[5]	$8,437	$2,069	$5,372	$996	$0	
Total Highway Service	**$244,950**	**$60,055**	**$155,974**	**$28,921**	**$0**	
Plant loaded Percent			***0.71%***			
Highway Service Percent	***100.00%***	***24.52%***	***62.97%***	***11.81%***	***0.00%***	
Railroad Service						
Amtrack	$804			$804		
Road Railer	$26			$26		
Freight rail	$23,450			$23,450		
Plant loaded	$113		$113			
Empty equipment[5]	$2,052	$0	$10	$2,042	$0	
Total railroad service	**$26,445**	**$0**	**$123**	**$26,322**	**$0**	
Plant Loaded Percent			***0.43%***			
Railroad Service Percent	***100.00%***	***0.00%***	***0.04%***	***99.54%***	***0.00%***	
Domestic Water						
Inland	$612	$612				
Offshore	$4,652		$4,652			
Total Domestic Water	**$5,264**	**$612**	**$4,652**	**$0**	**$0**	
Domestic Water Percent	***100.00%***	***11.63%***	***88.37%***	***0.00%***	***0.00%***	

Sources

[1]*Christmas air costs are split between zone-related costs (non-hub-and-spoke and line-haul) and non-zone-related costs* (terminal handling and hub and spoke costs,). Attachment C.

[2]Alaska Air nonpref costs are from the Base Year Cost Components (not the workpapers).

[3]Commercial air costs are split between columns 4 and 5 based on terminal handling and linehaul percentages.

[redacted]

[5]These accounts are distributed to each cost category based on the distribution of other accounts.

Column [1]: FY2000 Cost Segment and Components Report USPS-T-11, WP.B., c/s 14.
Column [2]: Parcel Post transportation costs incurred transporting parcels within the service area of a P&DC.
Column [3]: Parcel Post transportation costs incurred transporting parcels within the service area of a BMC.
Column [4]: Parcel Post costs that are related to GCD distance, incurred transporting parcels outside the service area of a BMC.
Column [5]: Parcel Post costs that are *not* related to GCD distance, incurred transporting parcels outside the service area of a BMC.
Column [6]: Reasons for percentages explained in footnotes 2, 6, and 7.

Division of Parcel Post Transportation Costs
Division of Total Parcel Post Costs Into Function (all costs are in thousands)

	[1]	[2]	[3]	[4]	[5]	[6]
	Total Parcel Post Tran Costs	Local Costs	Inter Costs	Long Dist. ZR Costs	Long Dist NZR Costs	Zone-Related Percentage
Domestic Airmail						
Roll Forward						
Christmas[1]	$2			$1	$1	0.72
Intra-Alaska preferential	$2,671		$2,671			
Intra-Hawaii	$689		$689			
Use Test-Year Inputs						
Intra-Alaska non-pref[2]	$7,254		$7,254			
Passenger Air[3]	$2,291			$861	$1,430	0.38
Dedicated Networks						
DNET & HASP	$1,193					
Eagle Network	$47					
Western Network	$17					
Air taxi	$6,778					
Total Base Year Domestic Airmal	**$20,942**					
Domestic Airmail that rolls forward	**$3,362**	**$0**	**$3,360**	**$1**	**$1**	
Domestic Airmail Percent	***100.00%***	***0.00%***	***99.94%***	***0.04%***	***0.02%***	
Highway Service						
Intra-SCF	$57,795	$57,795				
Inter-SCF	$17,929		$17,929			
Intra-BMC	$94,753		$94,753			
Inter-BMC[4]	$61,851		$34,018	$27,833		
Plant loaded	$1,731		$1,731			
Contract term van damage[5]	$769	$191	$486	$92	$0	
Alaskan highway service	$1,685		$1,685			
Area bus	$0					
Empty equipment[5]	$5,437	$2,069	$5,372	$996	$0	
Total Highway Service	**$244,950**	**$60,055**	**$155,974**	**$28,921**	**$0**	
Plant loaded Percent			***0.71%***			
Highway Service Percent	***100.00%***	***24.52%***	***62.97%***	***11.81%***	***0.00%***	
Railroad Service						
Amtrack	$804			$804		
Road Railer	$26			$26		
Freight rail	$23,450			$23,450		
Plant loaded	$113		$113			
Empty equipment[5]	$2,052	$0	$10	$2,042	$0	
Total railroad service	**$26,445**	**$0**	**$123**	**$26,322**	**$0**	
Plant Loaded Percent			***0.43%***			
Railroad Service Percent	***100.00%***	***0.00%***	***0.04%***	***99.54%***	***0.00%***	
Domestic Water						
Inland	$612	$612				
Offshore	$4,652		$4,652			
Total Domestic Water	**$5,264**	**$612**	**$4,652**	**$0**	**$0**	
Domestic Water Percent	***100.00%***	***11.63%***	***88.37%***	***0.00%***	***0.00%***	

Sources

[1]Christmas air costs are split between zone-related costs (non-hub-and-spoke and line-haul) and non-zone-related costs (terminal handling and hub and spoke costs,). Attachment C.

[2]Alaska Air nonpref costs are from the Base Year Cost Components (not the workpapers).

[3]Commercial air costs are split between columns 4 and 5 based on terminal handling and linehaul percentages.

[4]Inter-BMC highway costs are allocated based on percent of stops at BMCS and percent of non-Dropship on transportation

[5]These accounts are distributed to each cost category based on the distribution of other accounts.

Column [1]: FY2000 Cost Segment and Components Report USPS-T-11, WP.B., c/s 14.
Column [2]: Parcel Post transportation costs incurred transporting parcels within the service area of a P&DC.
Column [3]: Parcel Post transportation costs incurred transporting parcels within the service area of a BMC.
Column [4]: Parcel Post costs that are related to GCD distance, incurred transporting parcels outside the service area of a BMC.
Column [5]: Parcel Post costs that are *not* related to GCD distance, incurred transporting parcels outside the service area of a BMC.
Column [6]: Reasons for percentages explained in footnotes 2, 6, and 7.

Division of Parcel Post Transportation Costs
Summary of Test Year Transportation Costs

		Domestic Airmail	Highway Service	Railroad Service	Domestic Water	Total
Test Year Cost Adjustments						
Total Parcel Post Base Year Costs (that will Roll Forward)	1/	$3,362	$244,950	$26,445	$5,264	**$280,021**
Passenger Air	2/	$2,099				
Dedicated Networks	3/	$0				
Fed-Ex	4/	$2,015				
Alaska non-pref air costs	5/	$9,002				
Total Test-Year Costs in CRA	6/	$16,157	$334,452	$29,678	$6,919	**$387,206**
Total Test Year Costs That Will Roll Forward	7/	$3,041	$334,452	$29,678	$6,919	**$374,090**
Parcel Post Base Year "Rolled-Forward" Percentages						
Base Year Local Cost Percentage	8/	0.00%	24.52%	0.00%	11.63%	
Base Year Intermediate Cost Percentage	9/	99.94%	62.97%	0.04%	88.37%	
Base Year Inter Plant Load Costs	10/		0.71%	0.43%		
Base Year Long Distance ZR Percentage	11/	0.04%	11.81%	99.54%	0.00%	
Base Year Long Distance NZR Percentage	12/	0.02%	0.00%	0.00%	0.00%	
Parcel Post Test-Year Rolled-Forward Costs						
Test Year Local Costs	13/	$0	$81,998	$0	$804	**$82,803**
Test Year Intermediate Costs	14/	$3,039	$210,602	$11	$6,115	**$219,766**
Test Year Intermediate Plantload Cost	15/	$0	$2,363	$127	$0	**$2,490**
Test Year Long Distance ZR Costs	16/	$1	$39,489	$29,541	$0	**$69,031**
Test Year Long Distance NZR Costs	17/	$1	$0	$0	$0	**$1**
Total	18/	$3,041	$334,452	$29,678	$6,919	**$374,090**
Parcel Post Test-Year Costs Not "Rolled-Forward"						
Test Year Local Costs (Alaska non-pref)	19/	$9,002				**$9,002**
Test Year Long Distance ZR Costs	20/	$789				**$789**
Test Year Long Distance NZR Costs	21/	$3,325				**$3,325**
Postal Owned Vehicle Costs						
Test Year Postal Owned Vehicle Costs	22/					$69,955
Piggyback Factor	23/					1.516
Total Postal Owned Vehicle Costs	24/					**$106,052**
Total Parcel Post Test-Year Transportation Costs						
Local	25/					**$188,854**
Alaska (Local for non-DBMC)	26/					**$9,002**
Intermediate	27/					**$219,766**
Plantload (Intermediate for non-Parcel Select)	28/					**$2,490**
Long Distance - ZR	29/					**$69,820**
Long Distance - NZR	30/					**$3,325**
Total	31/					**$493,258**

Sources

Row 1/: Total transportation cost by mode from page 7 of this attachment.
Rows (2- 4) /: USPS-T-18.
Rows (5, 6 & 22)/: Test-Year Before Rates (USPS-T-12).
Row 7/: Air: Row (6) - [sum of row (2) through row (5)]. Highway, Rail and Water : row 6.
Rows (8-12)/: Attachment B, page 7.
Row 13/: Row (7) * Row (8).
Row 14/: Row (7) * Row (9).
Row 15/: Row (7) * Row (10).
Row 16/: Row (7) * Row (11).
Row 17/: Row (7) * Row (12).
Row 18/: Sum of row (13) through row (17).
Row 19/: Row (5).
Row 20/: Row (2) * Zone-related percentage on Attachment B, page 7, column [6].
Row 21/: Row (4) + row (2) * (1-ZR%).
Row 23/: LR-J-52, vehicle service driver piggyback factor.
Row 24/: Row (21) * row (23).
Row 25/: Row (24) + row (39).
Row 26/: Row (19).
Row 27/: Row (14).
Row 28/: Row (15).
Row 29/: Row (16) + row (20).
Row 30/: Row (17) + row (21).
Row 31/: Sum of row (25) through row (30).

Division of Parcel Post Transportation Costs
Division of Functional Costs Into Rate Categories

	Local	Intermediate	Long Distance	
Transportation costs for all parcel post:	$188,854	$219,766	$73,145	1/
Transportation Costs for non-DBMC	$9,002			2/
Transportation costs for Inter-BMC and Intra-BMC only		$2,490		3/
Total Transportation Costs	$197,856	$222,256	$73,145	4/
Inter-BMC cubic feet:	26,445,528	26,445,528	26,445,528	5/
Intra-BMC cubic feet:	13,178,830	13,178,830	13,178,830	6/
DBMC cubic feet:	[redacted]	[redacted]	[redacted]	7/
DSCF cubic feet	7,762,813	7,762,813	7,762,813	8/
DDU cubic feet	84,320,149	84,320,149	84,320,149	9/
Total parcel post cubic feet:	[redacted]	[redacted]	[redacted]	10/
Percentage of inter-BMC parcels entered at origin BMCs:	6.68%	6.68%	6.68%	11/
Avg. number of local legs traveled by an inter-BMC parcel:	1.93			12/
Avg. number of intermediate legs traveled by an inter-BMC parcel:		1.93		13/
Avg. number of long distance legs traveled by an inter-BMC parcel:			1.00	14/
Percentage of intra-BMC cubic feet held out at the AO:	4.15%	4.15%	4.15%	15/
Avg. number of local legs traveled by an intra-BMC parcel:	1.92			16/
Avg. number of intermediate legs traveled by an intra-BMC parcel:		1.92		17/
Avg. number of long distance legs traveled by an intra-BMC parcel:			0.00	18/
Avg. number of local legs traveled by a DBMC parcel:	1.00			19/
Avg. number of intermediate legs traveled by a DBMC parcel:		1.00		20/
Avg. number of long distance legs traveled by a DBMC parcel:			0.00	21/
Avg. number of local legs traveled by a DSCF parcel	1.00			22/
Avg. number of intermediate legs traveled by a DSCF parcel:		0.00		23/
Avg. number of long distance legs traveled by a DSCF parcel:			0.00	24/
Avg. number of local legs traveled by a DDU Parcel	0.172			25/
Avg. number of intermediate legs traveled by a DDU parcel:		0.00		26/
Avg. number of long distance legs traveled by a DDU parcel:			0.00	27/
Transportation costs incurred by inter-BMC rated parcels:	[redacted]	[redacted]	$73,145	28/
Transportation costs incurred by intra-BMC rated parcels:	[redacted]	[redacted]	$0	29/
Transportation costs incurred by DBMC rated parcels:	[redacted]	[redacted]	$0	30/
Transportation costs incurred by DSCF rated parcels	[redacted]			31/
Transportation costs incurred by DDU rated parcels	[redacted]			32/
Transportation costs for all parcel post:	$197,856	$222,256	$73,145	33/

Sources

Row 1/: Attachment B page 8 row 25 (local), row 27 (intermediate), rows 29&30 (long distance).
Row 2/: Alaska air non-pref costs, Attachment B page 8 row 29.
Row 3/: Plant Load Costs. Attachment B, page 8, row 28.
Row 4/: Row (1) + row (2) + row (3).
Row 5/: Attachment B, page 6, column 1, total inter-BMC cubic feet.
Row 6/: Attachment B, page 6, column 2, total intra-BMC cubic feet.
Row 7/: Attachment B, page 6, column 3, total DBMC cubic feet.
Row 8/: Attachment B, page 6, column 4, total DSCF cubic feet.
Row 9/: Attachment B, page 6, column 5, total DDU cubic feet.
Row 10/: Sum of row (5) through row (9).
Row 11/: OBMC TYBR volume/inter-BMC TYBR Volume.
Row 12/: [1 * row (11)] + (2 * [1 - row (11)]).
Row 13/: [1 * row (11)] + (2 * [1 - row (11)]).
Row 14/: Inter-BMC rated parcels should receive one leg of long distance transportation.
Row 15/: Attachment B, page 6, column 2, intra-BMC local cubic feet divided by intra-BMC total cubic feet.
*The resulting quotient is multiplied by .5 to account for half of the intra-BMC parcels being held out at the local AO.
Row 16/: [(1-percent of local tran avoided by DDU parcel) * row (15)] + [2 * (1 - row (15)]).
Row 17/: [0 * row (15)] + (2 * [1 - row (15)]).
Row 18/: Intra-BMC rated parcels should not receive long distance transportation.
Row 19/: All DBMC parcels should receive one leg of local transportation
Row 20/: All DBMC parcels should receive one leg of intermediate transportation.
Row 21/: DBMC parcels should not receive long distance transportation.
Row 22/: Assumption. Assume DSCF only incurs 1 local leg of transportation
Row 23/: Assumption. Assume DSCF does not incur any intermediate legs of transportation.
Row 24/: Assumption. Assume DSCF does not incur any long distance legs of transportation.
Row 25/: Attachment B, page 14
Row 26/: Assumption. DDU does not incur any intermediate legs of transportation.
Row 27/: Assumption DDU does not incur any long distance legs of transportation.
Rows (28-32)/: Costs distributed based on number of legs and cubic feet.
Row 33/: Sum of rows (28) through (32)

Division of Parcel Post Transportation Costs
Division of Functional Costs Into Rate Categories

	Local	Intermediate	Long Distance	
Transportation costs for all parcel post:	$188,854	$219,766	$73,145	1/
Transportation Costs for non-DBMC	$9,002			2/
Transportation costs for Inter-BMC and Intra-BMC only		$2,490		3/
Total Transportation Costs	$197,856	$222,256	$73,145	4/
Inter-BMC cubic feet:	26,445,528	26,445,528	26,445,528	5/
Intra-BMC cubic feet:	13,178,830	13,178,830	13,178,830	6/
DBMC cubic feet:	165,012,690	165,012,690	165,012,690	7/
DSCF cubic feet	7,762,813	7,762,813	7,762,813	8/
DDU cubic feet	84,320,149	84,320,149	84,320,149	9/
Total parcel post cubic feet:	296,720,010	296,720,010	296,720,010	10/
Percentage of inter-BMC parcels entered at origin BMCs:	6.68%	6.68%	6.68%	11/
Avg. number of local legs traveled by an inter-BMC parcel:	1.93			12/
Avg. number of intermediate legs traveled by an inter-BMC parcel:		1.93		13/
Avg. number of long distance legs traveled by an inter-BMC parcel:			1.00	14/
Percentage of intra-BMC cubic feet held out at the AO:	4.15%	4.15%	4.15%	15/
Avg. number of local legs traveled by an intra-BMC parcel:	1.92			16/
Avg. number of intermediate legs traveled by an intra-BMC parcel:		1.92		17/
Avg. number of long distance legs traveled by an intra-BMC parcel:			0.00	18/
Avg. number of local legs traveled by a DBMC parcel:	1.00			19/
Avg. number of intermediate legs traveled by a DBMC parcel:		1.00		20/
Avg. number of long distance legs traveled by a DBMC parcel:			0.00	21/
Avg. number of local legs traveled by a DSCF parcel	1.00			22/
Avg. number of intermediate legs traveled by a DSCF parcel:		0.00		23/
Avg. number of long distance legs traveled by a DSCF parcel:			0.00	24/
Avg. number of local legs traveled by a DDU Parcel	0.172			25/
Avg. number of intermediate legs traveled by a DDU parcel:		0.00		26/
Avg. number of long distance legs traveled by a DDU parcel:			0.00	27/
Transportation costs incurred by inter-BMC rated parcels:	$41,259	$48,209	$73,145	28/
Transportation costs incurred by intra-BMC rated parcels:	$20,466	$23,824	$0	29/
Transportation costs incurred by DBMC rated parcels:	$118,133	$150,223	$0	30/
Transportation costs incurred by DSCF rated parcels	$6,265			31/
Transportation costs incurred by DDU rated parcels	$11,734			32/
Transportation costs for all parcel post:	$197,856	$222,256	$73,145	33/

Sources

Row 1/: Attachment B page 8 row 25 (local), row 27 (intermediate), rows 29&30 (long distance).
Row 2/: Alaska air non-pref costs, Attachment B page 8 row 29.
Row 3/: Plant Load Costs. Attachment B, page 8, row 28.
Row 4/: Row (1) + row (2) + row (3).
Row 5/: Attachment B, page 6, column 1, total inter-BMC cubic feet.
Row 6/: Attachment B, page 6, column 2, total intra-BMC cubic feet.
Row 7/: Attachment B, page 6, column 3, total DBMC cubic feet.
Row 8/: Attachment B, page 6, column 4, total DSCF cubic feet.
Row 9/: Attachment B, page 6, column 5, total DDU cubic feet.
Row 10/: Sum of row (5) through row (9).
Row 11/: OBMC TYBR volume/inter-BMC TYBR Volume.
Row 12/: [1 * row (11)] + (2 * [1 - row (11)]).
Row 13/: [1 * row (11)] + (2 * [1 - row (11)]).
Row 14/: Inter-BMC rated parcels should receive one leg of long distance transportation.
Row 15/: Attachment B, page 6, column 2, Intra-BMC local cubic feet divided by intra-BMC total cubic feet.
*The resulting quotient is multiplied by .5 to account for half of the intra-BMC parcels being held out at the local AO.
Row 16/: [(1-percent of local tran avoided by DDU parcel) * row (15)] + [2 * (1 - row (15)]).
Row 17/: [0 * row (15)] + (2 * [1 - row (15)]).
Row 18/: Intra-BMC rated parcels should not receive long distance transportation.
Row 19/: All DBMC parcels should receive one leg of local transportation.
Row 20/: All DBMC parcels should receive one leg of intermediate transportation.
Row 21/: DBMC parcels should not receive long distance transportation.
Row 22/: Assumption. Assume DSCF only incurs 1 local leg of transportation
Row 23/: Assumption. Assume DSCF does not incur any intermediate legs of transportation.
Row 24/: Assumption. Assume DSCF does not incur any long distance legs of transportation.
Row 25/: Attachment B, page 14.
Row 26/: Assumption. DDU does not incur any intermediate legs of transportation.
Row 27/: Assumption. DDU does not incur any long distance legs of transportation.
Rows (28-32)/: Costs distributed based on number of legs and cubic feet.
Row 33/: Sum of rows (28) through (32).

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of Inter-BMC Transportation Costs per Cubic Foot by Zone

Inter-BMC parcel transportation costs by function and zone relation

Local costs incurred by inter-BMC parcels (NZR)	[redacted]	1/
Intermediate costs incurred by inter-BMC parcels (NZR)	[redacted]	2/
Long distance costs incurred by inter-BMC parcels (ZR)	$69,820	3/
Long distance costs incurred by inter-BMC parcels (NZR)	$3,325	4/
Total inter-BMC parcel costs	[redacted]	5/

Zone	[1] Inter-BMC cubic feet	[2] Percentage of inter-BMC cubic feet	[3] Percentage of inter-BMC cubic foot miles	[4] Local costs (000)	[5] Inter-mediate costs (000)	[6] Long distance costs - ZR (000)	[7] Long distance costs - NZR (000)
1-2	3,012,014	11.39%	1.65%	[redacted]	[redacted]	$1,151	$379
3	4,703,771	17.79%	5.49%	[redacted]	[redacted]	$3,835	$591
4	7,018,937	26.54%	15.34%	[redacted]	[redacted]	$10,712	$883
5	4,446,284	16.81%	16.37%	[redacted]	[redacted]	$11,431	$559
6	2,600,135	9.83%	13.98%	[redacted]	[redacted]	$9,763	$327
7	1,737,612	6.57%	12.65%	[redacted]	[redacted]	$8,833	$218
8	2,926,774	11.07%	34.51%	[redacted]	[redacted]	$24,093	$368
Total	**26,445,528**	**100.00%**	**100.00%**	[redacted]	[redacted]	**$69,820**	**$3,325**

Zone	[8] Local unit costs ($/CF)	[9] Intermediate unit costs ($/CF)	[10] Long dist. ZR unit costs ($/CF)	[11] Long dist. NZR unit costs ($/CF)	[12] Total unit costs ($/CF)	[13] Reconcile to total costs (000)
1-2	[redacted]	[redacted]	$0.3823	$0.1257	[redacted]	[redacted]
3	[redacted]	[redacted]	$0.8153	$0.1257	[redacted]	[redacted]
4	[redacted]	[redacted]	$1.5262	$0.1257	[redacted]	[redacted]
5	[redacted]	[redacted]	$2.5710	$0.1257	[redacted]	[redacted]
6	[redacted]	[redacted]	$3.7549	$0.1257	[redacted]	[redacted]
7	[redacted]	[redacted]	$5.0835	$0.1257	[redacted]	[redacted]
8	[redacted]	[redacted]	$8.2320	$0.1257	[redacted]	[redacted]
Total						[redacted]

Sources

Row 1/: Attachment B, page 9, row 28.
Row 2/: Attachment B, page 9, row 28.
Row 3/: Attachment B, page 8, row 29.
Row 4/: Attachment B, page 8, row 30 .
Row 5/: Row (1) + row (2) + row (3) + row (4).

Column [1]: Attachment B, page 6, column 1.
Column [2]: Cubic feet by zone divided by total cubic feet (column [1]).
Column [3]: Cubic foot miles per zone divided by total cubic foot miles. Attachment B, page 6.
Column [4]: Row (1) * column [2].
Column [5]: Row (2) * column [2].
Column [6]: Row (3) * column [3].
Column [7]: Row (4) * column [2].
Column [8]: Column [4] * 1000 /column [1].
Column [9]: Column [5] * 1000 / column [1].
Column [10]: Column[6] * 1000 / column [1].
Column [11]: Column [7] * 1000 / column [1]/
Column [12]: Column [8] + column [9] + column [10] + column [11].
Column [13]: Column [12] * Attachment B, page 6 (inter-BMC cubic feet by zone).

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of Inter-BMC Transportation Costs per Cubic Foot by Zone

Inter-BMC parcel transportation costs by function and zone relation

Local costs incurred by inter-BMC parcels (NZR)	$41,259	1/
Intermediate costs incurred by inter-BMC parcels (NZR)	$48,209	2/
Long distance costs incurred by inter-BMC parcels (ZR)	$69,820	3/
Long distance costs incurred by inter-BMC parcels (NZR)	$3,325	4/
Total inter-BMC parcel costs	**$162,613**	5/

Zone	[1] Inter-BMC cubic feet	[2] Percentage of inter-BMC cubic feet	[3] Percentage of inter-BMC cubic foot miles	[4] Local costs (000)	[5] Inter-mediate costs (000)	[6] Long distance costs - ZR (000)	[7] Long distance costs - NZR (000)
1-2	3,012,014	11.39%	1.65%	$4,699	$5,491	$1,151	$379
3	4,703,771	17.79%	5.49%	$7,339	$8,575	$3,835	$591
4	7,018,937	26.54%	15.34%	$10,951	$12,795	$10,712	$883
5	4,446,284	16.81%	16.37%	$6,937	$8,105	$11,431	$559
6	2,600,135	9.83%	13.98%	$4,057	$4,740	$9,763	$327
7	1,737,612	6.57%	12.65%	$2,711	$3,168	$8,833	$218
8	2,926,774	11.07%	34.51%	$4,566	$5,335	$24,093	$368
Total	**26,445,528**	**100.00%**	**100.00%**	**$41,259**	**$48,209**	**$69,820**	**$3,325**

Zone	[8] Local unit costs ($/CF)	[9] Intermediate unit costs ($/CF)	[10] Long dist. ZR unit costs ($/CF)	[11] Long dist. NZR unit costs ($/CF)	[12] Total unit costs ($/CF)	[13] Reconcile to total costs (000)
1-2	$1.5601	$1.8230	$0.3823	$0.1257	$3.8911	$11,720
3	$1.5601	$1.8230	$0.8153	$0.1257	$4.3242	$20,340
4	$1.5601	$1.8230	$1.5262	$0.1257	$5.0351	$35,341
5	$1.5601	$1.8230	$2.5710	$0.1257	$6.0798	$27,033
6	$1.5601	$1.8230	$3.7549	$0.1257	$7.2637	$18,887
7	$1.5601	$1.8230	$5.0835	$0.1257	$8.5923	$14,930
8	$1.5601	$1.8230	$8.2320	$0.1257	$11.7408	$34,363
Total						**$162,613**

Sources

Row 1/: Attachment B, page 9, row 28.
Row 2/: Attachment B, page 9, row 28.
Row 3/: Attachment B, page 8, row 29.
Row 4/: Attachment B, page 8, row 30 .
Row 5/: Row (1) + row (2) + row (3) + row (4).

Column [1]: Attachment B, page 6, column 1.
Column [2]: Cubic feet by zone divided by total cubic feet (column [1]).
Column [3]: Cubic foot miles per zone divided by total cubic foot miles. Attachment B, page 6.
Column [4]: Row (1) * column [2].
Column [5]: Row (2) * column [2].
Column [6]: Row (3) * column [3].
Column [7]: Row (4) * column [2].
Column [8]: Column [4] * 1000 /column [1].
Column [9]: Column [5] * 1000 / column [1].
Column [10]: Column [6] * 1000 / column [1].
Column [11]: Column [7] * 1000 / column [1]/
Column [12]: Column [8] + column [9] + column [10] + column [11].
Column [13]: Column [12] * Attachment B, page 6 (inter-BMC cubic feet by zone).

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of Intra-BMC Rated Parcel Costs per Cubic Foot by Zone

Intra-BMC parcel transportation costs by function and zone relation

Local costs incurred by intra-BMC parcels (NZR)	[redacted]	1/
Intermediate costs incurred by intra-BMC parcels (NZR)	[redacted]	2/
Long distance costs incurred by intra-BMC parcels	$0	3/
Total intra-BMC parcel costs	[redacted]	4/

Percent of local intra-BMC that is held out 50.00% 5/

	[1]	[2]	[3]	[4]	[5]	[6]
	Cubic feet	**Average Local / Intermediate Legs**	**Average Cubic foot-legs**	**Percent**	**Local Trans Costs**	**Inter-mediate Trans Costs**
Local zone	1,092,866	1	1,092,866	4.33%	[redacted]	[redacted]
Non-local zone	12,085,964	2	24,171,929	95.67%	[redacted]	[redacted]
Intra-city / box route adjustment					[redacted] 6/	
Total	**13,178,830**		**25,264,794**	**100.00%**	[redacted]	[redacted]

	[7]	[8]	[9]	[10]
Zone	**Local unit costs ($/CF)**	**Intermediate unit costs ($/CF)**	**Total unit costs ($/CF)**	**Reconcile to total costs (000)**
Local	[redacted]	[redacted]	[redacted]	[redacted]
1-2	[redacted]	[redacted]	[redacted]	[redacted]
3	[redacted]	[redacted]	[redacted]	[redacted]
4	[redacted]	[redacted]	[redacted]	[redacted]
5	[redacted]	[redacted]	[redacted]	[redacted]
Total				[redacted]

Sources

Row 1/: Attachment B, page 9, row 29.
Row 2/: Attachment B, page 9, row 29.
Row 3/: Attachment B, page 9, row 29.
Row 4/: Row (1) + row (2) + row (3).
Row 5/: Assumption from Docket no. R97-1, USPS-T-16.
Row 6/: Row 1 * Attachment B, page 14 (even held out parcels incur these costs).

Column [1]: Attachment B, page 6, column 2, intra-BMC cubic feet in the local zone and in all other zones.
Column [2]: Local zone legs reflect half of the local parcels being held out at the AO. Non-local zone legs reflect typical intra-BMC parcel.
Column [3]: Column [1] * column [2].
Column [4]: Percentage of cubic foot legs from column [3].
Column [5]: [Row (1) - row (6)] * column [4].
Column [6]: Row (2) * column [4].
Column [7]: Local zone unit cost = [(local zone costs from column [5]*100]) / local zone cubic feet from column [1])] *+ [(row (5)*1000) / total cubic feet]*.
Non-local zone unit cost = [(non-local zone costs from column [5]*1000) / non-local zone cubic feet from column [1]] + [(row (5)*1000) / total cubic feet].
Column [8]: Local zone unit cost = (local zone costs from column [6]*1000) / local zone cubic feet from column [1].
Non-local zone unit cost = (non-local zone costs from column [6]*1000) / non-local zone cubic feet from column [1].
Column [9]: Column [7] + column [8].
Column [10]: Column [9] * Attachment B, page 6, column 2 (intra-BMC cubic feet by zone).

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of Intra-BMC Rated Parcel Costs per Cubic Foot by Zone

Intra-BMC parcel transportation costs by function and zone relation

Local costs incurred by intra-BMC parcels (NZR)	$20,466	1/
Intermediate costs incurred by intra-BMC parcels (NZR)	$23,824	2/
Long distance costs incurred by intra-BMC parcels	$0	3/
Total intra-BMC parcel costs	**$44,290**	4/
Percent of local intra-BMC that is held out	50.00%	5/

	[1]	[2]	[3]	[4]	[5]	[6]
	Cubic feet	**Average Local / Intermediate Legs**	**Average Cubic foot-legs**	**Percent**	**Local Trans Costs**	**Inter-mediate Trans Costs**
Local zone	1,092,866	1	1,092,866	4.33%	$740	$1,031
Non-local zone	12,085,964	2	24,171,929	95.67%	$16,363	$22,794
Intra-city / box route adjustment					$3,363 6/	
Total	**13,178,830**		**25,264,794**	**100.00%**	**$20,466**	**$23,824**

	[7]	[8]	[9]	[10]
Zone	**Local unit costs ($/CF)**	**Intermediate unit costs ($/CF)**	**Total unit costs ($/CF)**	**Reconcile to total costs (000)**
Local	$0.9321	$0.9430	$1.8751	$2,049
1-2	$1.6090	$1.8860	$3.4950	$34,350
3	$1.6090	$1.8860	$3.4950	$6,480
4	$1.6090	$1.8860	$3.4950	$1,286
5	$1.6090	$1.8860	$3.4950	$124
Total				**$44,290**

Sources

Row 1/: Attachment B, page 9, row 29.
Row 2/: Attachment B, page 9, row 29.
Row 3/: Attachment B, page 9, row 29.
Row 4/: Row (1) + row (2) + row (3).
Row 5/: Assumption from Docket no. R97-1, USPS-T-16.
Row 6/: Row 1 * Attachment B, page 14 (even held out parcels incur these costs).

Column [1]: Attachment B, page 6, column 2, intra-BMC cubic feet in the local zone and in all other zones.
Column [2]: Local zone legs reflect half of the local parcels being held out at the AO. Non-local zone legs reflect typical intra-BMC parcel.
Column [3]: Column [1] * column [2].
Column [4]: Percentage of cubic foot legs from column [3].
Column [5]: [Row (1) - row (6)] * column [4].
Column [6]: Row (2) * column [4].
Column [7]: Local zone unit cost = [(local zone costs from column [5]*100]) / local zone cubic feet from column [1])] + [(row (5)*1000) / total cubic feet].
Non-local zone unit cost = [(non-local zone costs from column [5]*1000) / non-local zone cubic feet from column [1]] + [(row (5)*1000) / total cubic feet].
Column [8]: Local zone unit cost = (local zone costs from column [6]*1000) / local zone cubic feet from column [1].
Non-local zone unit cost = (non-local zone costs from column [6]*1000) / non-local zone cubic feet from column [1].
Column [9]: Column [7] + column [8].
Column [10]: Column [9] * Attachment B, page 6, column 2 (intra-BMC cubic feet by zone).

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of DBMC Rated Parcel Costs per Cubic Foot by Zone

DBMC parcel transportation costs by zone relation

Local costs incurred by DBMC parcels (NZR)	[redacted]	1/
Intermediate costs incurred by DBMC parcels (ZR)	[redacted]	2/
Long distance costs incurred by DBMC parcels	$0	3/
Total DBMC parcel costs	[redacted]	4/

Zone	[1] DBMC cubic feet	[2] Percentage of DBMC cubic feet	[3] Percentage of DBMC cubic foot miles	[4] Local costs (000)	[5] Inter-mediate costs (000)
1-2	134,519,046	[redacted]	52.85%	[redacted]	[redacted]
3	[redacted]	[redacted]	36.25%	[redacted]	[redacted]
4	[redacted]	[redacted]	10.02%	[redacted]	[redacted]
5	[redacted]	[redacted]	0.88%	[redacted]	[redacted]
Total	[redacted]	**100.00%**	**100.00%**	[redacted]	[redacted]

Zone	[6] Local Unit Costs ($/CF)	[7] Intermediate Unit Costs ($/CF)	[8] Total DBMC Unit Costs ($/CF)	[9] Reconcile to Total Costs (000)
1-2	[redacted]	[redacted]	[redacted]	[redacted]
3	[redacted]	[redacted]	[redacted]	[redacted]
4	[redacted]	[redacted]	[redacted]	[redacted]
5	[redacted]	[redacted]	[redacted]	[redacted]
Total				

	[10]
Stamped Envelope	[redacted]

Sources

Row 1/: Attachment B, page 9, row 30.
Row 2/: Attachment B, page 9, row 30.
Row 3/: Attachment B, page 9, row 30.
Row 4/: Row (1) + row (2) + row (3).

Column [1]: Attachment B, page 6, column 3.
Column [2]: Column 1, DBMC cubic feet in the given zone divided by total DBMC c.f..
Column [3]: Attachment B, page 6, column 7, DBMC c.f.m. in the given zone divided by total DBMC c.f.m.
Column [4]: Row (1) * column [2].
Column [5]: Row (2) * column [3].
Column [6]: Column [4] * 1000 / column [1].
Column [7]: Column [5] * 1000 / column [1].
Column [8]: Column [6] + column [7].
Column [9]: Column [8] * column [1] / 1000.
Column [10]: Average cost per cubic foot. Used as a proxy for stamped evelopes.
Row (4) * 1000 / Total in Column [1].

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of DBMC Rated Parcel Costs per Cubic Foot by Zone

DBMC parcel transportation costs by zone relation

Local costs incurred by DBMC parcels (NZR)	$118,133	1/
Intermediate costs incurred by DBMC parcels (ZR)	$150,223	2/
Long distance costs incurred by DBMC parcels	$0	3/
Total DBMC parcel costs	**$268,357**	4/

	[1]	[2]	[3]	[4]	[5]
Zone	**DBMC cubic feet**	**Percentage of DBMC cubic feet**	**Percentage of DBMC cubic foot miles**	**Local costs (000)**	**Inter-mediate costs (000)**
1-2	134,519,046	81.52%	52.85%	$96,303	$79,389
3	25,923,300	15.71%	36.25%	$18,559	$54,457
4	4,384,761	2.66%	10.02%	$3,139	$15,056
5	185,584	0.11%	0.88%	$133	$1,321
Total	**165,012,690**	**100.00%**	**100.00%**	**$118,133**	**$150,223**

	[6]	[7]	[8]	[9]
Zone	**Local Unit Costs ($/CF)**	**Intermediate Unit Costs ($/CF)**	**Total DBMC Unit Costs ($/CF)**	**Reconcile to Total Costs (000)**
1-2	$0.7159	$0.5902	$1.3061	$175,692
3	$0.7159	$2.1007	$2.8166	$73,016
4	$0.7159	$3.4338	$4.1497	$18,195
5	$0.7159	$7.1169	$7.8329	$1,454
Total				**$268,357**

	[10]
Stamped Envelope	$1.626

Sources

Row 1/: Attachment B, page 9, row 30.
Row 2/: Attachment B, page 9, row 30.
Row 3/: Attachment B, page 9, row 30.
Row 4/: Row (1) + row (2) + row (3).

Column [1]: Attachment B, page 6, column 3.
Column [2]: Column 1, DBMC cubic feet in the given zone divided by total DBMC c.f..
Column [3]: Attachment B, page 6, column 7, DBMC c.f.m. in the given zone divided by total DBMC c.f.m.
Column [4]: Row (1) * column [2].
Column [5]: Row (2) * column [3].
Column [6]: Column [4] * 1000 / column [1].
Column [7]: Column [5] * 1000 / column [1].
Column [8]: Column [6] + column [7].
Column [9]: Column [8] * column [1] / 1000.
Column [10]: Average cost per cubic foot. Used as a proxy for stamped evelopes.
Row (4) * 1000 / Total in Column [1].

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of DSCF Rated Parcel Costs per Cubic Foot by Zone

DSCF parcel transportation costs by zone relation		
Local costs incurred by DSCF parcels (NZR)	[redacted]	1/
Total Cubic Feet	7,762,813	2/
Cost per cubic foot	[redacted]	3/

Sources

Row 1/: Attachment B, page 9, row 31.
Row 2/: Attachment B, page 6, column 4.
Row 3/: Row (1)*1000 / Row (2).

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of DSCF Rated Parcel Costs per Cubic Foot by Zone

DSCF parcel transportation costs by zone relation		
Local costs incurred by DSCF parcels (NZR)	$6,265	1/
Total Cubic Feet	7,762,813	2/
Cost per cubic foot	**$0.807**	3/

Sources

Row 1/: Attachment B, page 9, row 31.
Row 2/: Attachment B, page 6, column 4.
Row 3/: Row (1)*1000 / Row (2).

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of DDU Rated Parcel Costs per Cubic Foot by Zone

Calculation of DDU cost per cubic Foot		
Local costs incurred by DDU parcels (non-distance related)	[redacted]	1/
Total Cubic Feet	84,320,149	2/
DDU cost per cubic foot	[redacted]	3/
Calculation of number of local legs for DDU		
Percentage of intra-SCF highway and POV costs avoided by DDU parcels	83.57%	4/
Test year local parcel post transportation costs		
Highway and POV	$81,998	5/
Water	$804	6/
Total	$82,803	7/
Percentage of local transportation costs avoided by DDU parcels	82.76%	8/
Number of local legs of transportation for DDU parcels	17.24%	9/

Sources

Row 1/: Attachment B, page 9, row 32.
Row 2/: Attachment B, page 6, column 5.
Row 3/: Row (1) * 1000 / row (2).
Row 4/: Docket No R2000-1, USPS-T-26, Attachment N, page 5, row 10.
Row 5/: Attachment B, page 8, row 13.
Row 6/: Attachment B, page 8, row 13.
Row 7/: Row (5) + Row (6).
Row 8/: Row (4)*row (5) / row (7).
Row 9/: 1 - row (8).

Parcel Post Transportation Costs By Rate Category and Zone
Calculation of DDU Rated Parcel Costs per Cubic Foot by Zone

Calculation of DDU cost per cubic Foot		
Local costs incurred by DDU parcels (non-distance related)	$11,734	1/
Total Cubic Feet	84,320,149	2/
DDU cost per cubic foot	**$0.139**	3/
Calculation of number of local legs for DDU		
Percentage of intra-SCF highway and POV costs avoided by DDU parcels	83.57%	4/
Test year local parcel post transportation costs		
Highway and POV	$81,998	5/
Water	$804	6/
Total	$82,803	7/
Percentage of local transportation costs avoided by DDU parcels	82.76%	8/
Number of local legs of transportation for DDU parcels	17.24%	9/

Sources

Row 1/: Attachment B, page 9, row 32.
Row 2/: Attachment B, page 6, column 5.
Row 3/: Row (1) * 1000 / row (2).
Row 4/: Docket No R2000-1, USPS-T-26, Attachment N, page 5, row 10.
Row 5/: Attachment B, page 8, row 13.
Row 6/: Attachment B, page 8, row 13.
Row 7/: Row (5) + Row (6).
Row 8/: Row (4)*row (5) / row (7).
Row 9/: 1 - row (8).

Summary of Parcel Post Unit Transportation Costs by Zone

Cost per Cubic Foot by Zone for Each Rate Category

Inter-BMC Zone	[1] Local costs	[2] Intermediate costs	[3] Long Dist ZR costs	[4] Long Dist NZR costs	[5] Total inter-BMC costs
1-2	[redacted]	[redacted]	$0.3823	$0.1257	[redacted]
3	[redacted]	[redacted]	$0.8153	$0.1257	[redacted]
4	[redacted]	[redacted]	$1.5262	$0.1257	[redacted]
5	[redacted]	[redacted]	$2.5710	$0.1257	[redacted]
6	[redacted]	[redacted]	$3.7549	$0.1257	[redacted]
7	[redacted]	[redacted]	$5.0835	$0.1257	[redacted]
8	[redacted]	[redacted]	$8.2320	$0.1257	[redacted]

Intra-BMC Zone	[6] Local costs	[7] Intermediate costs	[8] Total intra-BMC costs
Local	[redacted]	[redacted]	[redacted]
1-2	[redacted]	[redacted]	[redacted]
3	[redacted]	[redacted]	[redacted]
4	[redacted]	[redacted]	[redacted]
5	[redacted]	[redacted]	[redacted]

DBMC Zone	[9] Local	[10] Intermediate costs	[11] DBMC costs
1-2	[redacted]	[redacted]	[redacted]
3	[redacted]	[redacted]	[redacted]
4	[redacted]	[redacted]	[redacted]
5	[redacted]	[redacted]	[redacted]

DSCF Costs	[redacted]	1/
DDU Costs	[redacted]	2/

Sources

Column [1]: Attachment B, page 10, column 8.
Column [2]: Attachment B, page 10, column 9.
Column [3]: Attachment B, page 10, column 10.
Column [4]: Attachment B, page 10, column 11.
Column [5]: Column [1] + column [2] + column [3] + column [4].
Column [6]: Attachment B, page 11, column 7.
Column [7]: Attachment B, page 11, column 8.
Column [8]: Column [6] + column [7].
Column [9]: Attachment B, page 17, column 6.
Column [10]: Attachment B, page 17, column 7.
Column [11]: Column [9] + column [10].

Row 1/: Attachment B, page 13, row 3.
Row 2/: Attachment B, page 14, row 3.

Summary of Parcel Post Unit Transportation Costs by Zone

Cost per Cubic Foot by Zone for Each Rate Category

Inter-BMC	[1]	[2]	[3]	[4]	[5]
Zone	Local costs	Intermediate costs	Long Dist ZR costs	Long Dist NZR costs	Total inter-BMC costs
1-2	$1.5601	$1.8230	$0.3823	$0.1257	$3.8911
3	$1.5601	$1.8230	$0.8153	$0.1257	$4.3242
4	$1.5601	$1.8230	$1.5262	$0.1257	$5.0351
5	$1.5601	$1.8230	$2.5710	$0.1257	$6.0798
6	$1.5601	$1.8230	$3.7549	$0.1257	$7.2637
7	$1.5601	$1.8230	$5.0835	$0.1257	$8.5923
8	$1.5601	$1.8230	$8.2320	$0.1257	$11.7408

Intra-BMC	[6]	[7]	[8]
Zone	Local costs	Intermediate costs	Total intra-BMC costs
Local	$0.9321	$0.9430	$1.8751
1-2	$1.6090	$1.8860	$3.4950
3	$1.6090	$1.8860	$3.4950
4	$1.6090	$1.8860	$3.4950
5	$1.6090	$1.8860	$3.4950

DBMC	[9]	[10]	[11]
Zone	Local	Intermediate costs	DBMC costs
1-2	$0.7159	$0.5902	$1.3061
3	$0.7159	$2.1007	$2.8166
4	$0.7159	$3.4338	$4.1497
5	$0.7159	$7.1169	$7.8329

DSCF Costs	$0.8070	1/
DDU Costs	$0.1392	2/

Sources

Column [1]: Attachment B, page 10, column 8.
Column [2]: Attachment B, page 10, column 9.
Column [3]: Attachment B, page 10, column 10.
Column [4]: Attachment B, page 10, column 11.
Column [5]: Column [1] + column [2] + column [3] + column [4].
Column [6]: Attachment B, page 11, column 7.
Column [7]: Attachment B, page 11, column 8.
Column [8]: Column [6] + column [7].
Column [9]: Attachment B, page 17, column 6.
Column [10]: Attachment B, page 17, column 7.
Column [11]: Column [9] + column [10].

Row 1/: Attachment B, page 13, row 3.
Row 2/: Attachment B, page 14, row 3.

Attachment C

Alternative Methodology for Calculating Percent of Transportation that is Distance-Related

	Variable
CHRISTMAS NETWORK LINE HAUL	6,018
CHRISTMAS NETWORK TERMINAL HANDLING	2,598
CHRISTMAS NETWORK EXCISE TAX	369
CHRISTMAS AIR TAXI LINE HAUL	50,733
CHRISTMAS AIR TAXI TERMINAL HANDLING	8,620
EAGLE LINEHAUL ADJUSTMENT	647
EAGLE TERMINAL HANDLING ADJUSTMENT	101
DAYNET TERMINAL HANDLING ADJUSTMENT	-
CHRISTMAS AIR TAXI EXCISE TAX	2,857
TOTAL CHRISTMAS OPERATIONS	71,944
LINE HAUL	51,750
TERMINAL HANDLING or NETWORK	20,194
ZONE-RELATED PERCENTAGE	**71.9%**

Source: LR-J-43.

Attachment D

Summary of BPM Cost Savings Estimates

Cost Savings of DBMC (compared to non-dropship)	**1/**	**$0.461**
Cost Savings of DSCF (compared to DBMC)	**2/**	**$0.274**
Cost Savings of DDU (compared to DBMC)	**3/**	**$0.388**
Cost Savings of carrier route presort (compard to Basic Presort)	**4/**	**$0.086**
Cost difference of parcels compared to flats	**5/**	**$0.077**

Sources

Row 1/: Attachment B, page 9, row 13.
Row 2/: DBMC modeled cost (Attachment D, page 6) - DSCF modeled cost (Attachment D, page 7).
Row 3/: Attachment D, page 6.
Row 4/: Attachment D, page 10, row 7.
Row 5/: Attachment E, page 1, row 10.

Productivities and Conversion Factors for Direct Labor Operations

	Marginal Units/Wkhr	
UNLOADING		
Unload sacked machinable parcels to extended conveyor	186.2	1/
Unload non-machinable parcels to IHC only (proxy for sacks)	153.5	1/
Unload wheeled containers	20.7	1/
Unload pallet/pallet box	12.2	1/
DUMPING & SACK HANDLING		
Dump Containers	6.4	1/
Sack shake out	72.3	1/
Manually dump sacks	110.4	2/
Sack sorter	420.0	3/
PARCEL SORTING MACHINE DISTRIBUTION		
Primary Rate	813.0	3/
Secondary Rate	1224.0	3/
NONMACHINABLE OUTSIDES DISTRIBUTION		
NMO Distribution	100.0	3/
NMO Distribution at SCFs	497.7	4/
OTHER OPERATIONS		
Tend container loader/sweep runouts (Destinating BMC - OTR)	5.4	1/
Crossdock	7.1	1/
Move	14.1	1/
Sack and Tie	181.6	5/
LOADING		
Bedload Sacked Machinables	181.8	1/
Load wheeled containers	10.3	1/
Load Pallet/Pallet boxes	13.3	1/
For Carrier Route		
Sorting BPM from 5-digit to carrier route	460.6	6/
Sorting at carrier station	4351.1	7/
Variabilities		
BMC Platform	0.95	8/
BMC Other	0.98	8/
PSM	1.00	8/
SSM	1.00	8/
NMO Distribution at BMCs	1.00	8/
Platform Non-BMC	0.90	8/
NMO Distribution at Non-BMCs	0.44	8/
For Carrier Route (LDC 43)	0.94	8/

Sources

1/: Docket R97-1, LR-H-132, page 329.
2/: Docket No R2000-1, LR- I- 88 - Bundle Study (Manprod.xls/scheme - All Manual productivity).
2/: Proxy based on planning guidelines.
3/: National Database, PIRS Average 1995-2000.
4/: LR-J-56. MODS Operation 200.
6/: Docket R84-1, USPS-T-16.
7/: Docket No. R2000 USPS-LR-I-90, Page 32 of 46 (Assumes 409 pieces with 10 pieces per bundle).
8/: Volume Variabilities. USPS-T-14, Table 1.

Arrival and Dispatch Profiles

Mail Flow Arrival at Destinating BMCs for BPM		
Machinable Parcels Arriving on Pallets/Pallet Boxes at DBMC	99.55%	1/
Machinable Parcels arriving in Sacks at DBMC	0.45%	1/
Mail Flow Dispatch Profiles From BMCs to Service Area		
Machinable Parcels Dispatched in Bedloaded Sacks to Service Area	23.84%	2/
Machinable Parcels Dispatched loose in OTRs to Service Area	60.25%	2/
Machinable Parcels Dispatched sacked in OTRs to Service Area	2.89%	2/
Machinable Parcels Dispatched in Hampers/APC/OWC (OWC) to Service Area	13.02%	2/
Mail Flow Dispatch Profiles to Delivery Unit		
Machinable Parcels Dispatched in Bedloaded Sacks to Delivery Unit	26.73%	2/
Machinable Parcels Dispatched loose in OTRs to Service Area to Delivery Unit	60.25%	2/
Machinable Parcels Dispatched in OWC to Delivery Unit	13.02%	2/
DSCF		
Machinable Parcels	49.45%	3/
Flats/IPPS	50.55%	3/
Proportion of DSCF dropped at BMCs	12.30%	4/
Proportion of DSCF using requirements		
Sacks	5.36%	5/
Pallet and Pallet Boxes	94.64%	5/

Sources

1/: Docket R2000-1, USPS LR-I-109, BPM Mail Characteristics Study.
2/: Docket No. R97-1, USPS LR-H-131, Table 1.
3/: LR-I-109, BPM Mail Characteristics Study - BPM Profile (Mach parcels/ all BPM).
4/: USPS LR-PCR-40, page 64.
5/: Docket No. R2000-1, USPS LR-I-109, BPM Mail Characteristics Study - DSCF Presort Profile.
(Bedloaded Bundles excluded because assumed they will not be allowed in Test Year.)

Other Inputs

Wage Rate with Premium Pay Factor Applied	$30.279	1/
Premium Pay Factor	0.982	2/
TY Other Mail Processing Wage Rate	$30.840	3/
TY/BY wage adjustment factor	1.137	4/
BY Other Mail Processing Wage Rate	$27.133	5/
Mail Processing Operation Specific Piggyback Factors		
NMO Sorting at BMC	1.567	6/
Other Operations at BMCs	1.482	6/
Platform BMC	1.784	6/
Parcel Sorting Machine	2.140	6/
Sack Sorting Machine - BMC	2.075	6/
NMO Sorting at SCF	1.501	6/
Platform Non-BMC	1.655	6/
For carrier route (non mods manual parcel sorting piggyback factor)	1.458	6/
City carrier (BPM) piggyback factor	1.441	7/
Secondary PSM (unit costs)	0.063	8/
Mail Flow Operating Assumptions		
Percent with direct transportation to destinating delivery unit from BMC	12.3%	9/
Probability of Intra-BMC and DBMC parcels going to primary psm	100.0%	10/
Probability of Intra-BMC and DBMC parcels going to the secondary psm	79.9%	10/

Sources

1/: (1) * (2).
2/: USPS-T-15, Attachment 14, All facilities premium pay factor.
3/: LR-I-55, part VIII, page 2.
4/: (3) / (5).
5/: LR-J-55, part VIII, page 2.
6/: USPS-T-15, Attachment 12, Operation specific piggyback factors.
7/: USPS-T-15, Attachment 10, city delivery carrier piggyback factor.
8/: USPS-T-15, Attachment 12, page 2, w/keying labor unit piggyback cost.
9/: Attachment D, page 3, row 4.
10/: Attachment A, page 5, rows (14-15).

Conversion Factor Calculations

Container Type	[1] Outside Dim. Per Container	[2] Inside Dim. Per Container	[3] Cubic Feet Per Container	[4] Effective Parcel Capacity	[5] Capacity at Average Fullness	[6] Average % FULL
Machinable						
Pallet	48x40x48	48x40x48	53.3	306.4	260.4	85%
Pallet Box	48x40x69	46.5x38.5x69	71.5	373.4	317.3	85%
Sacks on In-house Container	65x41.5x36	65x41.5x36	56.2	293.5	249.5	85%
Presorted pieces per sack					17.2	

Pieces Per Container	[7] Parcel Post FY82	[8] BPM FY 1998
Sack	7.92	24.5
Sack in OTR	126.7	391.6
OTR	106.9	330.4
APC	55.2	170.6
Hamper	35.6	110.0

	[9] Cubic feet/piece Form 22 (PP) CRA	[10] Cubic feet/piece CRA BPM	[11] No. of Sacks on IHC
FY00		0.174	14.5
FY82	0.538		

Sources

Column [1]: Container Methods, Handbook PO-502 (September 1992) USPS LR-H-133.
Column [2]: Container Methods, Handbook PO-502 (September 1992) USPS LR-H-133.
Column [3]: Length * width * height.
Column [4]: (Column [3]) / ((column [13]) * air factor), to account for "effective cube" and (column [3]) / ((column [14]) * air factor) and (column [3]) / ((column [16]) * air factor). Air factor =1 for pallets, and 1.1 for all else.
Column [5]: Effective cubic capacity (column [4]) * average % fullness (column [6]).
Column [6]: Pallets, postal paks and IHCs should be as full as practicable before dispatch so it is reasonable to assume these containers will be at least 85% full.
Column [7]: Docket No. R84-1, Exhibit USPS-14I.
Column [8]: Pieces per container in Docket No. R84-1 (column [7]) * FY82 cubic feet per piece (column [9]) / FY98 cubic feet per piece for BPM (column [10]).
Column [9]: FY82 cubic feet per piece (consistent with column [7].
Column [10]: FY00 BPM Cubic feet per piece (CRA), USPS-T-11.
Column [11]: # of sacks = (# of pieces in IHC) / (# of presorted pieces per sack).

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Bound Printed Matter DBMC Model Cost Summary

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						**0.2763**
Unload Pallets/Pallet Boxes	0.9955	12.2	288.9	1.78	0.0153	0.0152
Unload Bedload Sacks	0.0045	186.2	17.2	1.78	0.0168	0.0001
Dump Pallets/Pallet Boxes	0.9955	6.4	288.9	1.78	0.0291	0.0290
Sack Sorter	0.0045	420.0	17.2	2.08	0.0087	0.0000
Sack Shakeout	0.0045	72.3	288.9	1.48	0.0021	0.0000
Primary Sort	1.0000	813.0	1.0	2.14	0.0797	0.0797
Secondary Sort	0.7991			0.06	0.0634	0.0507
Sweep Runouts OTR	0.7327	5.4	330.4	1.48	0.0251	0.0184
Sack and Tie	0.2673	181.6	1.0	1.48	0.2471	0.0660
Bedload Sacks	0.2384	181.8	24.5	1.48	0.0101	0.0024
Load OTRs w/ sacks	0.0289	10.3	391.6	1.78	0.0134	0.0004
Load OTRs w/ loose	0.6025	10.3	330.4	1.78	0.0158	0.0095
Load Hampers/OWC	0.1302	10.3	140.3	1.78	0.0373	0.0049
Destination SCF						**0.0962**
Unload Bedload Sacks	0.2239	153.5	24.5	1.66	0.0133	0.0030
Unload Sacks in OTR	0.0271	20.7	391.6	1.66	0.0062	0.0002
Unload loose in OTR	0.5659	20.7	330.4	1.66	0.0073	0.0041
Unload OWC	0.1223	20.7	140.3	1.66	0.0172	0.0021
Crossdock Bedload Sacks	0.1034	7.1	249.5	1.66	0.0285	0.0029
Crossdock Sacks in OTR	0.0125	7.1	391.6	1.66	0.0181	0.0002
Crossdock loose in OTR	0.2613	7.1	330.4	1.66	0.0215	0.0056
Crossdock OWC	0.0565	7.1	140.3	1.66	0.0506	0.0029
Move IHC with sacks	0.1205	14.1	249.5	1.66	0.0142	0.0017
Move Sacks in OTR	0.0146	14.1	391.6	1.66	0.0091	0.0001
Move loose in OTR	0.3046	14.1	330.4	1.66	0.0108	0.0033
Move OWC	0.0658	14.1	140.3	1.66	0.0253	0.0017
Manual Sort	0.5055	497.7	1.0	1.50	0.0913	0.0462
Move IHCs with sacks	0.1351	14.1	249.5	1.66	0.0142	0.0019
Move OTRs	0.3046	14.1	330.4	1.66	0.0108	0.0033
Move OWCs	0.0658	14.1	140.3	1.66	0.0253	0.0017
Bedload Sacks	0.2510	181.8	24.5	1.66	0.0113	0.0028
Load OTRs w/ loose	0.5659	10.3	330.4	1.66	0.0147	0.0083
Load Hampers/OWC	0.1223	10.3	140.3	1.66	0.0346	0.0042
Destination Delivery Unit						**0.0151**
Unload Bedload Sack	0.2655	153.5	24.5	1.66	0.0133	0.0035
Unload loose in OTR	0.6025	20.7	330.4	1.66	0.0073	0.0044
Unload OWC	0.1302	20.7	140.3	1.66	0.0172	0.0022
Dump Sacks	0.2655	110.4	24.5	1.66	0.0185	0.0049
				Model Cost		**$0.3877**

Sources

Column [1]: Attachment D, page 3 (arrival profiles).
Column [2]: Attachment D, page 2 (productivities).
Column [3]: Attachment D, page 5 (conversion factors).
Column [4]: Attachment D, page 4 (piggyback factors).
Column [5]: (Adjusted wage rate * piggyback factor[4]) divided by (units per workhour (2]*conversion factor[3]).
Column [6]: (# of handlings [1]) *($ per operation [5]).

Bound Printed Matter DSCF Model Cost Summary

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Destination BMC						**$0.0038**
Unload Pallets	0.0608	12.2	260.4	1.78	$0.0170	$0.0010
Cross dock pallets	0.0608	7.1	260.4	1.78	$0.0294	$0.0018
Load Pallets	0.0608	13.3	260.4	1.78	$0.0156	$0.0009
Destination SCF						**$0.0915**
Unload Pallet	0.8856	12.2	260.4	1.66	$0.0158	$0.0140
Unload Bedloaded Sacks to IHC	0.0536	153.5	17.2	1.66	$0.0189	$0.0010
Crossdock Pallets	0.4072	7.1	260.4	1.66	$0.0273	$0.0111
Crossdock bedloaded sacks	0.0265	7.1	249.5	1.66	$0.0285	$0.0008
Move Pallet	0.4784	14.1	260.4	1.66	$0.0136	$0.0065
Move IHC	0.0271	14.1	249.5	1.66	$0.0142	$0.0004
Dump Sacks	0.0271	110.4	17.2	1.66	$0.0263	$0.0007
Sort to 5-digit	0.5055	497.7	1.0	1.50	$0.0913	$0.0462
Move IHCs with sacks	0.1351	14.1	260.4	1.66	$0.0136	$0.0018
Move OTRs	0.3046	330.4	330.4	1.66	$0.0005	$0.0001
Move OWCs	0.0658	140.3	140.3	1.66	$0.0025	$0.0002
Load OTRs	0.3046	330.4	330.4	1.66	$0.0005	$0.0001
Load OWCs	0.0658	140.3	140.3	1.66	$0.0025	$0.0002
Load Pallets	0.4072	13.3	260.4	1.66	$0.0144	$0.0059
Bedload Sacks	0.1616	181.8	17.2	1.66	$0.0160	$0.0026
Destination Delivery Unit						**$0.0181**
Unload OTRs	0.3046	20.7	330.4	1.66	$0.0073	$0.0022
Unload OWCs	0.0658	20.7	140.3	1.66	$0.0172	$0.0011
Unload Pallets	0.4680	12.2	260.4	1.66	$0.0158	$0.0074
Unload Bedloaded Sacks	0.1616	153.5	17.2	1.66	$0.0189	$0.0031
Dump Sacks	0.1616	110.4	17.2	1.66	$0.0263	$0.0043
				Modeled Cost		**$0.1134**

Sources

Column [1]: Attachment D, page 3 (arrival profiles).
Column [2]: Attachment D, page 2 (productivities).
Column [3]: Attachment D, page 5 (conversion factors).
Column [4]: Attachment D, page 4 (piggyback factors).
Column [5]: (Adjusted wage rate * piggyback factor[4]) divided by (units per workhour (2]*conversion factor[3]).
Column [6]: (# of handlings [1]) *($ per operation [5]).

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Calculation of the Percent of outgoing costs DBMC Parcels Avoid

Total BPM pieces going through Origin BMC	**29.2%**	1/
origin AO	2.7%	2/
Origin SCF	5.6%	3/
Origin BMC/ASF	20.9%	4/
Total Pieces through destinating BMC (not origin BMC)	**46.4%**	5/
BPM entered at the destination BMC/ASF	41.8%	6/
Entered at the BMC Service Area	4.6%	7/
Total Pieces going through one or more BMCS	**75.6%**	8/

	Origin BMC		Destination BMC		
Inter-BMC [1]	**out**	**out**	**in**	**in**	
Percent of total volume	29.2%	29.2%	29.2%	29.2%	9/
Percent of volume that goes through one or more BMCS	38.6%	38.6%	38.6%	38.6%	10/
Percent of outgoing costs	27.8%	27.8%	n/a	n/a	11/

		Destination BMC		
Intra-BMC/DBMC [2]		**out**	**in**	
Percent of total volume		46.4%	46.4%	12/
Percent of volume that goes through one or more BMCS		61.4%	61.4%	13/
Percent of outgoing costs		44.3%	n/a	14/

Percent of BMC- outgoing Costs avoided by DBMC	**55.7%**	15/

Sources

Row 1/: Row (2) + row (3) + row (4).
Rows 2, 3, 4, 6 & 7/: Docket No. R2000-1, USPS-T-27, Attachment H, revised 4/14/00.
Row 5/: Row (6) + row (7).
Row 8/: Row (1) + row (5).
Row 9/: Row (1).
Row 10/: Row (9) / row (8).
Row 11/: Percent of outgoing costs in each column or row (10) divided by total percent of outgoing costs [38.6 / (38.6+ 38.6 + 61.4].
Row 12/: Row (5).
Row 13/: Row (12) / row (8).
Row 14/: Percent of outgoing costs in each column of row (13) divided by total percent of outgoing costs [61.4 / (38.6 + 38.6 + 61.4)
Row 15/: Percent of outgoing costs that DBMC avoids (27.8 + 27.8).

Both [1] & [2]: Handbook F-45, Appendix B, page 2. Assumes break down costs at BMCs into two "legs".
[1]: For inter-BMC both legs at the origin BMC are outgoing and both legs at destination BMC are incoming.
[2]: For intra-BMC and DBMC the first leg at destination BMC is outgoing and second leg is incoming.

Calculation of Bound Printed Matter DBMC Cost Savings

Proportion of outgoing BMC costs avoided by DBMC	55.7%	1/
BMC Outgoing costs (exluding platform acceptance)	$60,019	2/
Non-BMC Outgoing costs not including ASFs (excluding platform acceptance)	$36,586	3/
ASF Outgoing Costs	$480	4/
Percent of Volume ASF acts like BMC	36.1%	5/
BMC Outgoing costs (including percent of ASF)	$60,192	6/
Non-BMC Outgoing costs (include percent of ASFs)	$36,893	7/
FY 2000 BPM volume (000)	594,824	8/
Proportion of volume deposited upstream of the DBMC	29.16%	9/
Total Base Year costs avoided by DBMC entered BPM	$70,417	10/
Total Base Year volume of pieces deposited upstream of DBMC	173,464	11/
TY/BY wage rate adjustment factor	1.137	12/
Total estimated Test Year DBMC cost savings	**$0.461**	**13/**

Sources

Row 1/: Attachment D, page 8, row 15.
Row 2/: USPS LR-J-65.
Row 3/: USPS LR-J-65.
Row 4/: USPS LR-J-65.
Row 5/: Docket No. R2000-1, USPS-T-26, Attachment Y, page 2.
Row 6/: Row (2) + row (4) * row (5).
Row 7/: Row (3) + (1-row (4)* row (5).
Row 8/: Attachment E, page 1, row 5.
Row 9/: Attachment D, page 8, row 1.
Row 10/: Row (1) * row (6) + row (7).
Row 11/: Row (8) * row (9).
Row 12/: Attachment D, page 4.
Row 13/: Row (10) / row (11) * row (12).

Mail Processing Costs Avoided By Carrier Route
Presorted Bound Printed Matter

Non-Carrier Route		
Wage Rate	1/	$30.279
Productivity	2/	460.6
Unit Cost	3/	$0.066
Carrier Route		
Productivity	4/	4351.1
Unit Cost	5/	$0.007
Piggyback Factor	6/	1.458
Total test year carrier route presort savings	**7/**	**$0.086**

Sources

Row 1/: Attachment D, page 4, row 1.
Row 2/: Attachment D, page 2, row 3.
Row 3/: Row (1) / row (2).
Row 4/: Attachment D, page 2, row 4.
Row 5/: Row (1) / row (4).
Row 6/: Attachment D, page 4, row 3.
Row 7/: [Row (3) - row (5)] * row (6).

Attachment E

Calculation of Bound Printed Matter Flat/Parcel Delivery Cost Differential

Bound Printed Matter City Carrier Elemental Load Costs

	Letters	Flats	Flats (including letters)	Parcels
Volumes [1]				
SDR	1,686	48,700	50,386	82,253
MDR	187	17,369	17,556	25,047
BM	538	52,349	52,887	36,983
Total	2,411	118,418	120,829	144,283
Costs [2]				
SDR	$10	$589	599	$9,070
MDR	$3	$156	159	$3,239
BM	$1	$44	45	$2,008
Total	$14	$789	803	$14,317
Unit Costs [3]				
BPM			$0.007	$0.099

BPM TY Elemental Load Costs	$19,484	1/
Piggyback Factor	1.441	2/
Total Test Year Elemental Costs	$28,076	3/

Allocating Elemental Load Costs to All BPM RPW Volume

	Flats (including letters)	Parcels	Total	
RPW volume percents	45.9%	54.1%		4/
RPW Volumes	272,749	322,075	594,824	5/
vols * costs	$1,813	$31,959	$33,772	6/
Percent of Costs	5.37%	94.63%		7/
Allocated Costs	$1,507	$26,570		8/
Unit Costs	$0.006	$0.082		9/

Unit Cost Difference Between Flats and Parcels	**$0.077**	10/

Sources

[1]: City Carrier workpapers, USPS-T-11, wp.B., WS 7.0.8.
[2]: City Carrier workpapers, USPS-T-11, wp.B, WS 7.0.6.5, WS 7.0.6.6, and WS 7.0.6.7.
[3]: Total cost [1] divided by total volume [2].

Row 1/: USPS-T-12.
Row 2/: Attachment D, page 4, row 3.
Row 3/: Row (1) * row (2).
Row 4/: LR-J-111.
Row 5/: Percents in row (4) multiplied by total in row (5). Total is from LR-J-98.
Row 6/: Row (4) * unit costs [3].
Row 7/: Shape-related cost in row (6) divided by total cost in row (6).
Row 8/: Row (7) * row (3).
Row 9/: Row (8) / row (5).
Row 10/: Unit cost of parcels in row (9) - unit cost of flats in row (9).

Attachment F

Bound Printed Matter Entry Profile Distribution

Entry Profile:	Distribution	Number of Legs Local	Number of Legs Intermediate
All BPM	[1]	[2]	[3]
Origin AO	16.05%	2.000	1.877
Origin SCF	10.09%	1.000	1.877
Origin ASF	0.03%	1.000	0.877
Origin BMC	2.99%	1.000	0.877
Destinating BMC	39.99%	1.000	0.877
Destinating ASF	0.34%	1.000	0.877
SCF - Destinating BMC Service Area	4.21%	1.000	1.877
Destinating SCF	16.19%	1.000	0.000
DDU - Destinating BMC Service Area	1.61%	2.000	1.877
DDU - Destinating 3-Digit ZIP Area	1.30%	2.000	0.000
DDU	7.19%	0.164	0.000
Average		1.130	0.980
Non-DBMC			
Origin AO	26.9%	2.00	1.88
Origin SCF	16.9%	1.00	1.88
Origin ASF	0.1%	1.00	0.88
Origin BMC	5.0%	1.00	0.88
SCF - Destinating BMC Service Area	7.1%	1.00	1.88
Destinating SCF	27.1%	1.00	0.00
DDU - Destinating BMC Service Area	2.7%	2.00	1.88
DDU - Destinating 3-Digit ZIP Area	2.2%	2.00	0.00
DDU	12.1%	0.16	0.00
Average		1.22	1.05
DBMC			
Destinating BMC	99.15%	1.000	0.877
Destinating ASF	0.85%	1.000	0.877
Average		1.000	0.877

Sources

Column [1]: Docket No. R2000-1, USPS LR-I-109, Table 2 (page 11).
Column [2]: Estimated average number of legs.
Column [3]: Estimated average number of legs.

Division of Bound Printed Matter Transportation Costs

	[1] Total BY BPM Transportation Costs (000)	[2] Local Costs	[3] Intermediate Costs	[4] Long Distance - ZR Costs	[5] Long Distance - NZR Costs	[6] Zone-Related Percentage
Domestic Airmail						
Roll-Forward						
Christmas[1]	$212			$152	$60	0.72
Intra-Alaska preferential	$731		$731			
Intra-Hawaii	$59		$59			
Use Test-Year Inputs						
Intra-Alaska non-pref	$9		$9			
Passenger Air[2]	$2,150			$808	$1,342	0.38
Dedicated Networks						
DNET & HASP	$884					
Eagle Network	$50					
Western Network	$1					
Air taxi	$252	$0	$0	$66	$110	
Total Base Year Domestic Airmal	$4,045	$0	$799	$961	$1,401	
Domestic Airmail that rolls forward	**$1,002**	**$0**	**$790**	**$152**	**$60**	
Domestic Airmail Percent	***100.00%***	***0.00%***	***78.84%***	***15.22%***	***5.94%***	
Highway Service						
Intra-SCF	$13,688	$13,688				
Inter-SCF	$4,019		$4,019			
Intra-BMC	$23,869		$23,869			
Inter-BMC	$16,664		$0	$16,664		
Plant loaded	$4,195		$4,195			
Alaskan highway service	$498		$498			
Contract term van damage[3]	$208	$49	$100	$60	$0	
Area bus	$0			$0		
Empty equipment[3]	$1,698	$369	$879	$450	$0	
Total Highway Service	**$64,839**	**$14,106**	**$33,559**	**$17,173**	**$0**	
Plant loaded Percent			***6.47%***			
Highway Service Percent	***100.00%***	***21.76%***	***45.29%***	***26.49%***	***0.00%***	
Railroad Service						
Passenger rail	$30			$30		
Road-Railers	$25			$25		
Freight rail	$8,416			$8,416		
Plant loaded	$303		$303			
Empty equipment[3]	$420	$0	$15	$405	$0	
Total railroad service	**$9,194**	**$0**	**$318**	**$8,876**	**$0**	
Railroad Service Percent	***100.00%***	***0.00%***	***3.45%***	***96.55%***	***0.00%***	
Domestic Water						
Inland	$144	$144				
Offshore	$1,337		$1,337			
Total Domestic Water	**$1,481**	**$144**	**$1,337**	**$0**	**$0**	
Domestic Water Percent	***100.00%***	***9.72%***	***90.28%***	***0.00%***	***0.00%***	

Sources

[1] Christmas air costs are split between zone-related costs (non-hub and spoke line-haul), and non-zone-related costs (terminal handling and hub and spoke costs,). Attachment C, page 1.

[2] Commercial air costs are split between columns 4 and 5 based on terminal handling and linehaul percentages.

[3] These accounts are distributed to each cost category based on the distribution of other accounts.

Column [1]: FY2000 Cost Segment and Components Report USPS-T-11 WP.B.

Column [2]: Parcel Post transportation costs incurred transporting parcels within the service area of a P&DC.

Column [3]: Parcel Post transportation costs incurred transporting parcels within the service area of a BMC.

Column [4]: Parcel Post costs that are related to GCD distance, incurred transporting parcels outside the service area of a BMC.

Column [5]: Parcel Post costs that are *not* related to GCD distance, incurred transporting parcels outside the service area of a BMC.

Column [6]: Percentages used to separate long distance costs into zone and non-zone related. See footnotes 1 and 2 for explanation.

Division of Bound Printed Matter Transportation Costs

Summary of Test Year Transportation Costs

		Domestic Airmail	Highway Service	Railroad Service	Domestic Water	Total
Test Year Cost Adjustments						
Total BPM Base Year Costs (that will Roll Forward)	1/	$1,002	$64,839	$9,194	$1,481	**$76,516**
Passenger Air	2/	$2,015				
Dedicated Networks	3/	$0				
Fed-Ex	4/	$738				
Alaska non-pref air costs	5/	$10				
Total Test-Year Costs in CRA	6/	$3,649	$75,122	$8,756	$1,651	**$89,178**
Total Test-Year Costs that will Roll Forward	7/	$886	$75,122	$8,756	$1,651	**$86,415**
BPM Base Year "Rolled-Forward" Percentages						
Base Year Local Cost Percentage	8/	0.00%	21.76%	0.00%	9.72%	
Base Year Intermediate Cost Percentage	9/	78.84%	45.29%	3.45%	90.28%	
Base Year Inter Plant Load Costs	10/		6.47%			
Base Year Long Distance ZR Percentage	11/	15.22%	26.49%	96.55%	0.00%	
Base Year Long Distance NZR Percentage	12/	5.94%	0.00%	0.00%	0.00%	
BPM Test-Year Rolled-Forward Costs						
Test Year Local Costs	13/	$0	$16,343	$0	$161	**$16,504**
Test Year Intermediate Costs	14/	$699	$34,021	$302	$1,490	**$36,513**
Test Year Intermediate Plantload Cost	15/		$4,860			**$4,860**
Test Year Long Distance ZR Costs	16/	$135	$19,897	$8,454	$0	**$28,485**
Test Year Long Distance NZR Costs	17/	$53	$0	$0	$0	**$53**
Total	18/	$886	$75,122	$8,756	$1,651	**$86,415**
BPM Test-Year Costs Not "Rolled-Forward"						
Test Year Local Costs (Alaska non-pref)	19/	$10				**$10**
Test Year Long Distance ZR Costs	20/	$758				**$758**
Test Year Long Distance NZR Costs	21/	$1,995				**$1,995**
Postal Owned Vehicle Costs						
Test Year Postal Owned Vehicle Costs	22/					$19,899
Piggyback Factor	23/					1.548
Total Postal Owned Vehicle Costs	24/					**$30,804**
Total Parcel Post Test-Year Transportation Costs						
Local Costs	25/					**$47,318**
Intermediate	26/					**$36,513**
Plantload (Intermediate for non-Parcel Select)	27/					**$4,860**
Long Distance - ZR	28/					**$29,243**
Long Distance - NZR	29/					**$2,048**
Total	30/					**$119,982**

Sources

Row 1/: Total transportation cost by mode from base year purchased transportation cost report (USPS-T-11, WP.B).
Rows (2-4)/: USPS-T-18.
Rows (5,6& 22)/: Total transportation cost by mode from test year roll-forward (USPS-T-12).
Row 7/: Row (6) - sum of rows (2-5).
Rows (8-12)/: Attachment F, page 2 (cost percentages by mode).
Row 13/: Row (7) * row (8).
Row 14/: Row (7) * row (9).
Row 15/: Row (7) * row (10).
Row 16/: Row (7) * row (11).
Row 17/: Row (7) * row (12).
Row 18/: Sum of rows (13 - 17).
Row 19/: Row (5).
Row 20/: Row (2) * passenger air ZR percentage on Attachment F, page 2.
Row 21/: Row (4) + [row (2) * (1- passenger air ZR percentage on Attachment F, page 2)].
Row 23/: LR-J-52.
Row 24/: Row (22) * row (23).
Row 25/: Row (13) + row (19) + row (24).
Row 26/: Row (14).
Row 27/: Row (15).
Row 28/: Row (16) + row (20).
Row 29/: Row (17) + row (21).
Row 30/: Sum of rows (25-29).

Bound Printed Matter Transportation Costs

Calculation of DBMC Rated BPM Costs per Pound by Zone

	All BPM	DBMC	
Local transportation legs (all BPM) =	1.130	1.000	1/
Intermediate transportation legs =	0.980	0.877	2/
Total BPM pounds		1,469,100	3/
Local costs per pound per leg =		$0.029	4/
Intermediate costs per pound per leg =		$0.025	5/
Total DBMC Test Year Pounds =		592,613	6/
DBMC BPM transportation costs			
Local costs incurred by BPM (NZR)		$16,899	7/
Intermediate costs incurred by BPM (ZR)		$13,178	8/
Total DBMC BPM transportation costs		**$30,076**	9/

Zone	[1] Percentage of DBMC pounds	[2] Test Year Pounds	[3] Average Zoned Haul	[4] Test Year Pound Miles	[5] Percentage of DBMC pound miles	[6] Local costs (000)	[7] Inter- mediate costs (000)
1-2	81.60%	483,547	59	28,529,281	51.23%	$13,789	$6,750
3	14.15%	83,853	219	18,363,867	32.97%	$2,391	$4,345
4	4.19%	24,824	342	8,489,669	15.24%	$708	$2,009
5	0.07%	389	800	311,194	0.56%	$11	$74
Total	**100.00%**	**592,613**		55,694,010	**100.00%**	**$16,899**	**$13,178**

Zone	[8] Local transpo./ DSCF Unit Costs ($/Lb.)	[9] Intermediate Unit Costs ($/Lb.)	[10] Total DBMC Unit Costs ($/Lb.)	[11] Reconcile to Total Costs (000)
1-2	$0.0285	$0.0140	$0.0425	$20,539
3	$0.0285	$0.0518	$0.0803	$6,736
4	$0.0285	$0.0809	$0.1094	$2,717
5	$0.0285	$0.1893	$0.2178	$85
6	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A
Total				**$30,076**

Sources

Row 1/: Attachment F, page 1, column 2.
Row 2/: Attachment F, page 1, column 3.
Row 3/: Test-year BPM pounds USPS-T-33.
Row 4/: (Attachment F, page 3, row 25) / [row (1) * row (3)].
Row 5/: (Attachment F, page 3, row 26) / [row (2) * row (3)].
Row 6/: Row (3) * Percent of DBMC and DASF in Attachment F, page 1.
Row 7/: Row (1) * row (4) * row (6).
Row 8/: Row (2) * row (5) * row (6).
Row 9/: Row (7) + row (8).

Column [1]: Docket No. R2000-1, USPS LR-I-109, Table 2 (page 11).
Column [2]: Percent of pounds in zone (column [1]) * total pounds (row (6)).
Column [3]: Docket No. R2000-1, USPS-T-27, Attachment K, Table 3, column [9]. (zone 5 adjusted using LR-I-67)
Column [4]: Column [2] * column [3].
Column [5]: Test year pound miles by zone [4] / Total test year pound miles [4].
Column [6]: Local costs (row (7)) * percent of DBMC pounds (column [1]).
Column [7]: Intermediate costs (row (8)) * percent of DBMC pound miles (column [5]).
Column [8]: Column [6] / column [2].
Column [9]: Column [7] / column [2].
Column [10]: Column [8] + column [9].
Column [11]: Column [10] * column [2].

Calculation of BPM DSCF Parcel Post Transportation Costs

DSCF transportation cost per pound ($/lb)	**$0.0285**	1/
Percentage of intra-SCF highway and POV costs avoided by DDU parcels	**83.57%**	2/
BPM water	$161	3/
BPM highway and pov	$47,157	4/
Total	$47,318	5/
Percentage of local transportation costs avoided by DDU parcels	**83.62%**	6/
DDU unit transportation costs	**$0.0047**	7/
Total DBMC Pounds	592,613	8/
Total DSCF Pounds	237,796	9/
Total DDU Pounds	105,618	10/
Total DSCF transportation costs	$6,781	11/
Total DDU tranportation costs	$493	12/
DBMC transportation costs	$30,076	13/
Total Properly dropped	$37,350	14/
Total BPM Transportation Cost	$119,982	15/
Non properly dropped transportation costs	$82,631	16/
Zone-related non-dropship costs	$29,243	17/
Non-zone-related non-dropship costs	$53,389	18/

Sources

Row 1/: Attachment F, page 4, column [8].
Row 2/: Attachment B, page 14, row 4.
Row 3/: Attachment F, page 3.
Row 4/: Row (5) - row (3).
Row 5/: Attachment F, page 3.
Row 6/: Row (2) * row (4) + row (3).
Row 7/: Row (1) * [1-row (6)].
Row 8/: Attachment F, page 4, row 6.
Row 9/: Distribution of DSCF (Attachment F, page 1) * total BPM pounds (Attachment F, page 4).
Row 10/: Distribution of DDU (Attachment F, page 1) * total BPM pounds (Attachment F, page 4).
Rpw 11/: Row (1) * row (9).
Row 12/: Row (7) * row (10).
Row 13/: Attachment F, page 4, row 9.
Row 14/: Sum of rows (11-13).
Row 15/: Attachment F, page 3, row 30.
Row 16/: Row (15) - row (14).
Row 17/: Attachment F, page 3, row 28.
Row 18/: Attachment F, page 3, row 29.

Calculation of non-dropship BPM Costs

Zone related costs	$29,243	1/
Non-zone related costs	53,389	2/
Total	**82,631**	**3/**
Total non-dropped pounds	533,073	4/

Zone	[1] Volume by zone	[2] Pounds	[3] Average zoned haul	[4] Average pound-Miles	[5] Percentage of Pound Miles	[6] ZR costs
1/2	21.87%	116,583	60	6,994,989	2.46%	$720
3	14.43%	76,922	238	18,307,553	6.44%	$1,884
4	28.12%	149,900	457	68,504,410	24.11%	$7,049
5	21.05%	112,212	813	91,228,317	32.10%	$9,387
6	6.52%	34,756	1182	41,082,048	14.46%	$4,227
7	1.51%	8,049	1600	12,879,053	4.53%	$1,325
8	3.50%	18,658	2422	45,188,633	15.90%	$4,650
	97.00%	517,081		284,185,004		

Zone	[7] ZR unit costs	[8] NZR unit costs	[9] Total unit $/pound	[10] Reconcile to Total Costs (000)
1/2	$0.0062	$0.1032	$0.1094	$12,757
3	$0.0245	$0.1032	$0.1277	$9,826
4	$0.0470	$0.1032	$0.1503	$22,526
5	$0.0837	$0.1032	$0.1869	$20,973
6	$0.1216	$0.1032	$0.2249	$7,816
7	$0.1646	$0.1032	$0.2679	$2,156
8	$0.2492	$0.1032	$0.3525	$6,576
				$82,631

Sources

Row 1/: TY Long distance, zone related transportation costs - Attachment F, page 5, row 17.
Row 2/: TY Non-dropship, non zone distance related costs - Attachment F, page 5, row 18.
Row 3/: Row (1) + row (2).
Row 4/: Total BPM pounds (page 4, row 3) - Total dropshipped BPM pounds (page 5, sum of rows 8-10).

Column [1]: Docket No. R2000-1, USPS LR-I-109, Table 2 (page 11).
Column [2]: Row (4) * column [1].
Column [3]: Docket No. R2000-1, USPS-T-27, Attachment K, Table 3, column [9].
Column [4]: Column [2] * column [3].
Column [5]: Pound-miles by zone [4] / Total pound miles [4].
Column [6]: Row (1) * column [5].
Column [7]: Column [6] divided by column [2].
Column [8]: Row (2) / total pounds in column [2].
Column [9]: Column [7] + column [8].

Bound Printed Matter
Transportation Cost Summary

DBMC [1]	**TOTAL**
Zone 1/2	$0.042
Zone 3	$0.080
Zone 4	$0.109
Zone 5	$0.218
DSCF [2]	$0.029
DDU [3]	$0.005
Non-D/S [4]	
Zone 1/2	$0.109
Zone 3	$0.128
Zone 4	$0.150
Zone 5	$0.187
Zone 6	$0.225
Zone 7	$0.268
Zone 8	$0.352

Sources

[1]: Attachment F, page 4, column 10.
[2]: Attachment F, page 5, row 1.
[3]: Attachment F, page 5, row 3.
[4]: Attachment F, page 6, column 9.

Attachment G

MEDIA MAIL PROCESSING COST SUMMARY

Table 1: Nonmodel Cost Factor Development

Weighted Avg Model Cost	**1/**	**$0.553**
Proportional Cost Pools	**2/**	**$0.613**
CRA Proportional Adjustment	**3/**	**1.108**
CRA Fixed Adjustment	**4/**	**0.188**

Table 2: Total Cost Development

	Modeled Costs [1]	**Proportional Adjustment [2]**	**Fixed Adjustment [3]**	**Adjusted Costs [4]**
FY 2000 Requirements				
Avg. Nonpresort	$0.617	1.11	0.19	$0.872
Avg. BMC cost	$0.392	1.11	0.19	$0.623
Avg. 5-D Presort	$0.299	1.11	0.19	$0.520
New Presort Req				
Avg. Basic	$0.391	1.11	0.19	$0.622
Avg 5-D Presort	$0.274	1.11	0.19	$0.492

Table 3: Cost Difference Cost Summary

New Requirements		**Cost Difference**
New Basic	5/	$0.250
New 5-dig	6/	$0.380

Sources

Row 1/: Weighted average model costs from Attachment G, pages 8 - 17.
Row 2/: Sum of CRA Costs in proportional pools, Attachment G, page 2.
Row 3/: Proportional cost pools divided by weighted averaged modeled costs.
Row 4/: Sum of CRA Costs in Fixed Costs Pools, Attachment G, page 2.
Row 5/: Total costs of avg. nonpresort [4] minus total costs of Avg. BMC cost.
Row 6/: Total costs of avg. nonpresort [4] minus total costs of avg. 5-D presort [4].
Column [1]: Model costs from Attachment G, pages 8 - 24.
Column [2]: Proportional CRA adjustment factor, same as row (2).
Column [3]: Fixed CRA adjustment factor, same as row (4).
Column [4]: Total costs = model costs times proportional adjustment plus fixed adjustment.

MEDIA MAIL PROCESSING CRA COST POOLS

From USPS LR-J-53

Cost Pool		Total (Cents)	Proportional (Cents)	Fixed (Cents)
MODS 11	BCS/	0.008		0.008
MODS 11	BCS/DBCS	0.095		0.095
MODS 11	OCR/	0.003		0.003
MODS 12	FSM/	1.192		1.192
MODS 12	FSM/1000	0.675		0.675
MODS 12	LSM/	0.000		0.000
MODS 13	MECPARC	0.090	0.090	
MODS 13	SPBS OTH	3.344		3.344
MODS 13	SPBSPRIO	0.202		0.202
MODS 13	1SACKS_M	0.105		0.105
MODS 14	MANF	0.463		0.463
MODS 14	MANL	0.105		0.105
MODS 14	MANP	0.928	0.928	
MODS 14	PRIORITY	0.102		0.102
MODS 15	LD15	0.000		0.000
MODS 17	1BULK PR	0.012		0.012
MODS 17	1CANCMPP	0.361		0.361
MODS 17	1OPBULK	0.698		0.698
MODS 17	1OPPREF	2.081		2.081
MODS 17	1PLATFRM	3.680	3.680	
MODS 17	1POUCHNG	1.625	1.625	
MODS 17	1SACKS_H	0.642	0.642	
MODS 17	1SCAN	0.083		0.083
MODS 18	BUSREPLY	0.050		0.050
MODS 18	EXPRESS	0.002		0.002
MODS 18	MAILGRAM	0.000		0.000
MODS 18	REGISTRY	0.001		0.001
MODS 18	REWRAP	0.176		0.176
MODS 18	1EEQMT	0.068		0.068
MODS 19	INTL	0.089		0.089
MODS 41	LD41	0.082		0.082
MODS 42	LD42	0.006		0.006
MODS 43	LD43	3.675		3.675
MODS 44	LD44	0.260		0.260
MODS 48	LD48 EXP	0.000		0.000
MODS 48	LD48_SSV	0.089		0.089
MODS 49	LD49	0.283		0.283
MODS 79	LD79	0.052		0.052
MODS 99	1SUPP_F1	0.320		0.320
MODS 99	1SUPP_F4	0.776		0.776
Mods Subtotal		**22.423**	**6.965**	**15.458**
BMCS	NMO	3.470	3.470	
BMCS	OTHR	13.446	13.446	
BMCS	PLA	13.360	13.360	
BMCS	PSM	16.747	16.747	
BMCS	SPB	1.620	1.620	
BMCS	SSM	1.386	1.386	
BMC Subtotal		**50.029**	**50.029**	**0.000**
NON MODS	ALLIED	1.693		1.693
NON MODS	AUTO/MEC	0.166		0.166
NON MODS	EXPRESS	0.000		0.000
NON MODS	MANF	1.019		1.019
NON MODS	MANL	0.001		0.001
NON MODS	MANP	4.311	4.311	
NON MODS	MISC	0.470		0.470
NON MODS	REGISTRY	0.003		0.003
Non Mods Subtotal		**7.663**	**4.311**	**3.352**
Total		**80.115**	**61.305**	**18.810**

Productivities and Conversion Factors for Direct Labor Operations

	Productivities (Units per Wkhr)	
UNLOADING		
Unload sacked machinable parcels to extended conveyor	186.2	1/
Unload machinable parcels to extended conveyor	620.1	1/
Unload non-machinable parcels	160.7	1/
Unload non-machinable parcels to IHC only (proxy for sacks)	153.5	1/
Unload wheeled containers	20.7	1/
Unload Pallets, Pallet Boxes, and Postal Pak	12.2	1/
DUMPING & SACK HANDLING		
Dump Containers	6.5	1/
Sack shake out	72.3	1/
Manually dump sacks at Non-BMC	110.4	3/
Sack sorter	420.0	4/
PARCEL SORTING MACHINE DISTRIBUTION		
Primary Rate	813.0	4/
Secondary Rate	1224.0	4/
NONMACHINABLE OUTSIDES DISTRIBUTION		
NMO Distribution	100.0	4/
NMO Secondary Distribution at SCFs	497.7	5/
OTHER OPERATIONS		
Tend container loader/sweep runouts	5.4	1/
Crossdock Containers	7.0	1/
Move Containers	14.0	2/
Sack and Tie	125.4	1/
LOADING		
Bedload NMOs to van	175.9	1/
Bedload Sacked Machinables	181.8	1/
Load wheeled containers (OTRs, hampers, OWC)	10.4	1/
Load Pallet/Postal Paks/Pallet Boxes	13.3	1/
Variabilities		
BMC Platform	0.950	6/
BMC Other	0.980	6/
PSM	1.000	6/
SSM	1.000	6/
SSB	1.000	6/
NMO Distribution at BMCs	1.000	6/
Platform Non-BMC	0.900	6/
NMO Distribution at Non-BMCs	0.440	6/

Sources

1/: Docket No. R97-1 USPS-T-29, Appendix V, page 15.
2/: Crossdock Productivity*2.
3/: Proxy based on Planning Guidelines (PGLs).
4/: National Database, PIRS Average 1995-2000.
5/: LR-J-56, MODS, Operation 200.
6/: USPS-T-14, Table 1, volume variabilities.

Arrival and Dispatch Profiles

Mail Flow Arrival Profile at Originating BMCs and Dispatch Profiles	Arrival and Dispatch Percentages	
Machinable Parcels Arriving in Bedloaded Sacks at BMC	2.2%	1/
Machinable Parcels Arriving Bedloaded at BMC	3.4%	1/
Machinable Parcels Arriving sacked in OTRs at BMC	11.6%	1/
Machinable Parcels Arriving loose in OTRs at BMC	51.2%	1/
Machinable Parcels Arriving in Hampers/APC/OWC (OWC) at BMC	29.7%	1/
Machinable Parcels Arriving Palletized at BMC	0.7%	1/
Machinable Parcels Arriving in Pallet Boxes	1.2%	1/
Non-Machinable Parcels Arriving Bedloaded at BMC	2.3%	1/
Non-Machinable Parcels Arriving Palletized at BMC	0.1%	1/
Non-Machinable Parcels Arriving in OTR Containers at BMC	72.6%	1/
Non-Machinable Parcels Arriving in Hampers/APC/OWC (OWC) at BMC	24.1%	1/
Non-Machinable Parcels Arriving in Pallet Boxes	0.9%	1/
Mail Flow Arrival Profile from Origin BMCs to Destination BMCs		
Machinable Parcels Arriving in Postal Paks at Destination BMC (from Origin BMC)	100.0%	2/
NMOs Arriving Palletized at Destination BMC (from Origin BMC)	100.0%	2/
Mail Flow Dispatch Profiles from BMCs to Service Area		
Machinable Parcels Dispatched in Bedloaded Sacks to Service Area	23.8%	3/
Machinable Parcels Dispatched loose in OTRs to Service Area	60.3%	3/
Machinable Parcels Dispatched sacked in OTRs to Service Area	2.9%	3/
Machinable Parcels Dispatched in Hampers/APC/OWC (OWC) to Service Area	13.0%	3/
Non-Machinable Parcels Dispatched Bedloaded to Plant	12.9%	4/
Non-Machinable Parcels Dispatched on Pallets to Plant	31.0%	4/
Non-Machinable Parcels Dispatched in OTRs to Plant	53.6%	4/
Non-Machinable Parcels Dispatched in Hampers/APC/OWC (OWC) to Plant	2.5%	4/
Mail Flow Dispatch Profiles to Delivery Unit		
Machinable Parcels Dispatched in Bedloaded Sacks	26.7%	5/
Machinable Parcels Dispatched loose in OTRs	60.3%	5/
Machinable Parcels Dispatched in Hampers/APC/OWC (OWC) to Delivery Units	13.0%	5/
Non-Machinable Parcels Dispatched Bedloaded to Delivery Unit	26.7%	6/
Non-Machinable Parcels Dispatched in OTRs to Delivery Unit	60.3%	6/
Non-Machinable Parcels Dispatched in Hampers/APC/OWC (OWC) to Delivery Unit	13.0%	6/

Sources

1/: Docket no. R97-1, USPS LR-H-131, Table 3. Assume 61.9 percent of bedloaded is loose and 38.4 is sacked. Assume 81.6 percent of OTR is loose and 18.4 is sacked (Docket No.R97-1, USPS LR-H-132, page 277).

2/: Assumption that 100 percent of parcels going from BMC to BMC will be in postal paks.

3/: Docket No. R97-1 USPS LR-H-132, Attachment 1, page 274.

4/: Docket No. R97-1 USPS LR-H-132, Attachment 3, page 278.

5/: Assume same dispatch profile as leave BMC, but take sacks out of OTRs and bedload.

Other Inputs

Wage Rate with Premium Pay Factor Applied	$30.435	1/
Premium Pay Factor	0.987	2/
TY Mail Processing wage rate	$30.840	3/
Mail Processing Operation Specific Piggyback Factors		
NMO Sorting at BMC	1.567	4/
Other Operations at BMCs	1.482	4/
Platform BMC	1.784	4/
Parcel Sorting Machine	2.140	4/
Sack Sorting Machine - BMC	2.075	4/
NMO Sorting at SCF	1.501	4/
Platform Non-BMC	1.655	4/
Secondary PSM (unit costs)	0.063	5/
Mail Flow Operating Assumptions		
Percent Sorted to 5-Digits by Primary Parcel Sorting Machine	20.1%	6/
Destinating BMCs will feed barcoded destinating mail unfiltered to secondary	20.8%	7/
Probability that mail fed directly to nonspecific secondary will receive more than one sort	50.0%	8/
Probability that Mail sent to secondary will go to Scheme 2	50.0%	8/
Probability that Inter-BMC parcel go to primary psm at destination BMC	83.4%	9/
Probability that Inter-BMC parcel are handled by keyer on secondary psm at destination BMC	94.5%	9/
Probability that Intra-BMC and BMC presort parcels go to primary psm	100.0%	9/
Probability that Intra-BMC and BMC presort parcels going to the secondary psm	79.9%	9/
Probability that NMOs are NOT inducted on the conveyor system (not used for NMOs over 108)	41.2%	10/
Probability that NMOs are NOT moved using towveyor (not used for pallets)	31.4%	10/

Sources

1/: (2) * (3).
2/: USPS-T-15, Attachment 14, All facilities premium pay factor.
3/: LR-J-55, part VIII, page 2, Other mail processing wage rate.
4/: USPS-T-15, Attachment 12, Operation specific piggyback factors.
5/: USPS-T-15, Attachment 12, page 2, w/keying labor unit piggyback cost.
6/: Attachment A, page 5, row 6.
7/: Attachment A, page 5, row 7.
8/: Assumption that mail going to secondary PSM is evenly split between scheme 1 and scheme 2.
9/: Attachment A, page 5, (12) through (15).
10/: Attachment A, page 5, row 16.

Calculation of Model Weights

	Flats [1]	Parcels [2]	Mach Parcels [3]	NMOs > 20 lbs [4]	Ipps [5]	Total [6]
Media						
Single-Piece	29,134,565	118,581,030	103,165,496	533,253	14,882,281	147,715,595
Presort	1,513,960	66,704,185	58,032,641	6,140	8,665,404	68,218,145
Library						
Single-Piece	9,842,872	17,785,367	15,473,269	91,726	2,220,372	27,628,239
Presort	92,105	392,085	341,114	1,002	49,969	484,190

Volume by Presort Level [7 & 8]	Volumes [7]	Percent [8]
Presort Level A (Media)	1,413,212	2.1%
Presort Lever B (Media)	66,804,933	97.9%
Presort Level A (Library)	1,539	0.5%
Presort Level B(Library)	330,254	99.5%

Percent of Volume over 25 lbs [9]	
Media Single-Piece	0.361%
Media Presort	0.009%
Library Single-Piece	0.332%
Library Presort	0.207%

New Basic split (for non-mach) [10]	
ADC	0.5
3-digit	0.5

Inter/Intra Split [11]	
Intra-BMC	40.3%
Inter-BMC	59.7%

Combined Media and Library Volumes [12]	Machinable Parcels	Ipps/flats	NMOs over 20lbs	Total
Volumes				
Single-Piece	118,638,765	56,080,090	624,979	175,343,834
Presort (Level A)	1,203,791	211,536	132	1,415,458
Presort (Level B)	57,169,964	10,109,902	7,010	67,286,877
Total	177,012,520	66,401,528	632,121	244,046,169

Percents (Old Requirements) [13]	% of Total	% of presort
Inter Nonpresort Mach	29.0%	40.4%
Intra onpresort Mach	19.6%	27.3%
Inter Nonpresort NMO > 20 lbs	0.2%	0.2%
Intra Nonpresort NMO > 20 lbs	0.1%	0.1%
Inter Nonpresort IPP	13.7%	19.1%
Intra Nonpresort IPP	9.3%	12.9%
BMC Presort Mach	23.4%	85.0%
BMC Presort NMO > 20 lbs	0.003%	0.01%
BMC Presort IPP	4.1%	15.0%
5-digit Presort	0.58%	100.0%

Percents (New Requirements) [14]	% of presort
Basic Presort Mach	85.0%
Basic Presort NMO >20, BMC/ADC	0.01%
Basic Presort NMO > 20, 3-digit	0.01%
Basic Presort IPP BMC/ADC	7.5%
Basic Presort IPP 3-digit	7.5%
5-digit sacks	99.99%
5-digit pallets	0.009%

Sources

[1&2]: RPW Extract File.
[3]: [2] * .87 (percent machinable parcels from Docket No. R97-1 USPS LR-H-131, electronic version, tables2.xls (table 3)).
[4]: Total volume * percent in [9].
[5]: [2] - [3] - [4].
[6]: [1] + [2].
[7]: LR-J-98
[8]: Percent of Subclass volume in [7].
[9]: LR-J-98.
[10]: Assumption.
[11]: From Parcel Post.
[12]: Combines Media and Library volume using data from [1] - [10].
[13]: Percents calculated using [11] & [12].
[14]: Percents calculated using [10], [12], and [14].

Conversion Factor Calculations

Container Type	Outside Dim. Per Container (Inches) [1]	Inside Dim. Per Container (Inches) [2]	Cubic Feet Per Container [3]	Effective Parcel Capacity (# of Parcels) [4]	Capacity at Average Fullness (# of Parcels) [5]	Average % FULL [6]
Machinable						
Pallet	48x40x48	48x40x48	53.3	356.3	302.9	85%
Postal Pak	48x40x69	46.5x38.5x69	71.5	434.2	369.1	85%
Pallet Box	48x40x69	46.5x38.5x69	71.5	434.2	382.1	88%
Sacks on In-house Container	65x41.5x36	65x41.5x36	56.2	341.3	290.1	85%
Pallet: Basic Presort				323.9		
Pallet Box: Basic Presort				323.9		
Non-Machinable						
Pallet	48x40x48	48x40x48	53.3	356.3	302.9	85%
Presorted Pallet	48x40x48	48x40x48	53.3	356.3	356.3	100%
Pallet Box	48x40x69	46.5x38.5x69	71.5	434.2	382.1	88%
In-house Container	65x41.5x36	65x41.5x36	56.2	341.3	290.1	85%
Non-Machinable over 20 lbs						
Pallet: Basic Presort (> 20 lbs)				17.3		
Pallet Box: Basic Presort (> 20 lbs)				17.3		
Pallets (non-presort)				16.2		
Pallet Box (non-presort)				20.4		
OTRs				16.6		
OWC				7.0		
In-house Container				15.5		

Assumed weight of pallet for presort 500

Pieces Per Container	Machinable R84-1 (FY82) [7]	Machinable R2001 (FY00) [8]	Nonmachinable R84-1 (FY82) [9]	Nonmachinable R2001 (FY00) [10]
Sack	15.89	20.4	n/a	n/a
Sack in OTR	254.2	326.4	n/a	n/a
OTR	241.3	309.9	241.3	309.9
APC	124.7	160.1	124.7	160.1
Hamper	80.4	103.2	80.4	103.2
Sack (old 5-dig presort)		14.2		14.2
Sack (new 5-dig presort)		15.2		15.2

	Cubic Feet Per Special Standard: Machinable [11]	Non-Machinable [12]	CRA [13]	Weight Per Piece [14]	Weight of NMOs over 20 lbs [15]
FY98	0.150	0.150	0.150	1.54	28.9
FY82			0.192		

Sources

Column [1]: Container Methods, Handbook PO-502 (September 1992), Docket No. R97-,1 USPS LR-H-133.
Column [2]: Container Methods, Handbook PO-502 (September 1992), Docket No. R97-1, USPS LR-H-133.
Column [3]: Length * width * height.
Column [4]: (Column [3]) / ((column [12]) * air factor), and (column [3]) / ((column [13]) * air factor), to account for "effective cube".
Air factor = 1 for pallets, 1.1 for all else.
Column [5]: Effective cubic capacity (column [4]) * average % fullness (column [6]).
Column [6]: Pallets, postal paks and IHCs should be as full as practicable before dispatch so it is reasonable to assume these containers will be at least 85% full.
Column [7]: Docket No. R84-1, Exhibit USPS-14I.
Column [8]: Pieces per container (column [7]) * FY82 cubic feet per piece (column [13]) / FY98 cubic feet per piece (column [13]).
Column [9]: Docket No. R84-1, Exhibit USPS-14I.
Column [10]: Pieces per container (column [9]) * FY82 cubic feet per piece (column [13]) / FY98 cubic feet per piece (column [13]).
Columns [11- 13]: (CRA cubic feet) / (CRA pieces).
Column [14]: Average weight per piece, CRA.
Column [15]: LR-J-98.

Machinable Nonpresort Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0736**
Unload Containers[1]	1.0000				0.0147	0.0147
Crossdock Containers	1.0000	7.0	258.6	1.66	0.0278	0.0278
Bedload Sacks	0.0215	181.8	20.4	1.66	0.0136	0.0003
Bedload loose	0.0345	175.9	1	1.66	0.2864	0.0099
Load Sacks in OTRs	0.1156	10.4	326.4	1.66	0.0149	0.0017
Load Loose in OTRs	0.5124	10.4	309.9	1.66	0.0157	0.0080
Load OWCs	0.2970	10.4	131.7	1.66	0.0369	0.0110
Load Pallets	0.0070	13.3	302.9	1.66	0.0125	0.0001
Load Pallet Boxes	0.0120	13.3	382.1	1.66	0.0099	0.0001
Origin BMC						**0.1638**
Unload Bedload Sack	0.0215	186.2	20.4	1.78	0.0143	0.0003
Unload Bedload Loose	0.0345	620.1	1.0	1.78	0.0876	0.0030
Unload Sacks in OTR	0.1156	20.7	326.4	1.78	0.0080	0.0009
Unload loose in OTR	0.5124	20.7	309.9	1.78	0.0084	0.0043
Unload Other Wheeled Cont.	0.2970	20.7	131.7	1.78	0.0199	0.0059
Unload Pallet	0.0070	12.2	302.9	1.78	0.0147	0.0001
Unload Pallet Boxes	0.0120	12.2	382.1	1.78	0.0116	0.0001
Dump OTR of sacks	0.1156	6.5	326.4	1.48	0.0214	0.0025
Dump OTR of loose	0.5124	6.5	309.9	1.48	0.0225	0.0115
Dump Other Wheeled Cont.	0.2970	6.5	131.7	1.48	0.0530	0.0157
Dump Pallet	0.0070	6.5	302.9	1.48	0.0231	0.0002
Dump Pallet Boxes	0.0120	6.5	382.1	1.48	0.0183	0.0002
Sack Sorter	0.1371	420.0	20.4	2.08	0.0074	0.0010
Sack shakeout	0.1371	72.3	20.4	1.48	0.0306	0.0042
Primary PSM	1.0000	813	1.0	2.14	0.0801	0.0801
Sweep Runouts Postal Pak	1.0000	5.4	369.1	1.48	0.0225	0.0225
Load Postal Pak	1.0000	13.3	369.1	1.78	0.0110	0.0110
Destination BMC						**0.2928**
Unload Postal Pak	1.0000	12.2	369.1	1.78	0.0120	0.0120
Dump Postal Pak	1.0000	6.5	369.1	1.48	0.0189	0.0189
Primary PSM	0.8335	813	1.0	2.14	0.0801	0.0668
Secondary PSM	0.9451			0.06	0.0634	0.0599
Sweep Runouts OTR	0.7327	5.4	309.9	1.48	0.0269	0.0197
Sack and Tie	0.2673	125.4	1.0	1.48	0.3597	0.0961
Bedload Sacks	0.2384	181.8	20.4	1.78	0.0146	0.0035
Load OTRs w/ sacks	0.0289	10.4	326.4	1.78	0.0160	0.0005
Load OTRs w/ loose	0.6025	10.4	309.9	1.78	0.0169	0.0102
Load Hampers/OWC	0.1302	10.4	131.7	1.78	0.0398	0.0052
Destination SCF						**0.0567**
Unload Bedload Sacks	0.2384	153.5	20.4	1.66	0.0161	0.0038
Unload Sacks in OTR	0.0289	20.7	326.4	1.66	0.0074	0.0002
Unload loose in OTR	0.6025	20.7	309.9	1.66	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.66	0.0184	0.0024
Crossdock Bedload Sacks	0.2384	7.0	290.1	1.66	0.0248	0.0059
Crossdock Sacks in OTR	0.0289	7.0	326.4	1.66	0.0220	0.0006
Crossdock loose in OTR	0.6025	7.0	309.9	1.66	0.0232	0.0140
Crossdock OWC	0.1302	7.0	131.7	1.66	0.0546	0.0071
Bedload Sacks	0.2673	181.8	20.4	1.66	0.0136	0.0036
Load OTRs w/ loose	0.6025	10.4	309.9	1.66	0.0157	0.0094
Load Hampers/OWC	0.1302	10.4	131.7	1.66	0.0369	0.0048
Destination Delivery Unit						**0.0174**
Unload Bedload Sacks	0.2673	153.5	20.4	1.66	0.0161	0.0043
Unload loose in OTR	0.6025	20.7	309.9	1.66	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.66	0.0184	0.0024
Dump Sacks	0.2673	110.4	20.4	1.66	0.0224	0.0060

Model Cost	**0.6042**	**0.6042**
Model Weight[2]	**40.4%**	**29.0%**
Wtd Modeled Cost	**0.2441**	**0.1754**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1]Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Nonmachinable Nonpresort > 20 Lbs Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**1.1062**
Unload Containers[1]	1.0000				0.2145	0.2145
Crossdock containers	1.0000	7.0	14.3	1.66	0.5036	0.5036
Bedload NMOs	0.0230	175.9	1.0	1.66	0.2864	0.0066
Load NMOs in OTRs	0.7260	10.4	16.6	1.66	0.2935	0.2131
Load NMOs in OWCs	0.2410	10.4	7.0	1.66	0.6907	0.1665
Load NMOs on Pallets	0.0010	13.3	16.2	1.66	0.2334	0.0002
Load NMOs on Pallet Boxes	0.0090	13.3	20.4	1.66	0.1850	0.0017
Origin BMC						**1.2481**
Unload Bedloaded NMOs	0.0230	160.7	1.0	1.78	0.3379	0.0078
Unload NMOs in OTRs	0.7260	20.7	16.6	1.78	0.1581	0.1148
Unload NMOs in OWC	0.2410	20.7	7.0	1.78	0.3721	0.0897
Unload NMOs on Pallets	0.0010	12.2	16.2	1.78	0.2747	0.0003
Unload NMOs on Pallet Boxes	0.0090	12.2	20.4	1.78	0.2178	0.0020
Move IHCs (bedload)	0.0095	14.0	15.5	1.48	0.2076	0.0020
Move OTRs	0.2992	14.0	16.6	1.48	0.1944	0.0582
Move OWCs	0.0993	14.0	7.0	1.48	0.4574	0.0454
Move Pallets	0.0004	14.0	16.2	1.48	0.1989	0.0001
Move Pallet Boxes	0.0037	14.0	20.4	1.48	0.1576	0.0006
O Primary Sort	1.0000	100.0	1.0	1.57	0.4769	0.4769
Move Pallets	1.0000	14.0	16.2	1.48	0.1989	0.1989
Load NMOs on Pallets	1.0000	13.3	16.2	1.78	0.2516	0.2516
Destination BMC						**1.2458**
Unload NMOs on Pallets	1.0000	12.2	16.2	1.78	0.2747	0.2747
Move Pallets	0.4121	14.0	16.2	1.48	0.1989	0.0819
D. Primary NMO Sort	1.0000	100.0	1.0	1.57	0.4769	0.4769
Move IHCs (bedloaded)	0.0405	14.0	15.5	1.48	0.2076	0.0084
Move OTRs	0.1681	14.0	16.6	1.48	0.1944	0.0327
Move Pallets	0.3098	14.0	16.2	1.48	0.1989	0.0616
Move OWCs	0.0078	14.0	7.0	1.48	0.4574	0.0036
Bedload from IHC	0.1291	175.9	1.0	1.78	0.3087	0.0399
Load NMOs in OTRs	0.5363	10.4	16.6	1.78	0.3164	0.1697
Load NMOs on Pallet	0.3098	13.3	16.2	1.78	0.2516	0.0780
Load NMOs in OWC	0.0248	10.4	7.0	1.78	0.7445	0.0185
Destination SCF						**1.1308**
Unload Bedload to IHC	0.1291	153.5	1.0	1.66	0.3282	0.0424
Unload OTRs	0.5363	20.7	16.6	1.66	0.1467	0.0787
Unload Pallet	0.3098	12.2	16.2	1.66	0.2548	0.0789
Unload OWC	0.0248	20.7	7.0	1.66	0.3452	0.0086
Move IHC	0.1291	14.0	15.5	1.66	0.2318	0.0299
Move OTRs	0.5363	14.0	16.6	1.66	0.2171	0.1164
Move Pallet	0.3098	14.0	16.2	1.66	0.2221	0.0688
Move OWC	0.0248	14.0	7.0	1.66	0.5108	0.0127
Manual Sort	1.0000	497.7	1.0	1.50	0.0918	0.0918
Move IHC	0.2673	14.0	15.5	1.66	0.2318	0.0620
Move OTRs	0.6025	14.0	16.6	1.66	0.2171	0.1308
Move OWC	0.1302	14.0	7.0	1.66	0.5108	0.0665
Bedload NMOs	0.2673	175.9	1.0	1.66	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	16.6	1.66	0.2935	0.1769
Load Hampers/OWC	0.1302	10.4	7.0	1.66	0.6907	0.0899
Destination Delivery Unit						**0.2211**
Unload Bedload NMOs	0.2673	153.5	1.0	1.66	0.3282	0.0877
Unload loose in OTR	0.6025	20.7	16.6	1.66	0.1467	0.0884
Unload OWC	0.1302	20.7	7.0	1.66	0.3452	0.0449

Model Cost	**4.9519**	**$4.952**
Model Weight[2]	**0.2%**	**0.15%**
Wtd Modeled Cost	**0.0105**	**$0.008**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1]Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2]Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Nonmachinable < 20 Lbs Nonpresort Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0713**
Unload Containers[1]	1.0000				0.0175	0.0175
Crossdock Containers	1.0000	7.0	267.1	1.655	0.0269	0.0269
Bedload NMOs	0.0230	175.9	1.0	1.655	0.2864	0.0066
Load NMOs in OTRs	0.7260	10.4	309.9	1.655	0.0157	0.0114
Load NMOs in OWCs	0.2410	10.4	131.7	1.655	0.0369	0.0089
Load NMOs on Pallets	0.0010	13.3	302.9	1.655	0.0125	0.0000
Load NMOs on Pallet Boxes	0.0090	13.3	382.1	1.655	0.0099	0.0001
Origin ADC						**0.1489**
Unload Bedloaded NMOs	*0.0230*	*160.7*	*1.0*	*1.655*	*0.3135*	*0.0072*
Unload NMOs in OTRs	0.7260	20.7	309.9	1.655	0.0078	0.0057
Unload NMOs in OWC	0.2410	20.7	131.7	1.655	0.0184	0.0044
Unload NMOs on Pallets	0.0010	12.2	302.9	1.655	0.0136	0.0000
Unload NMOs on Pallet Boxes	0.0090	12.2	382.1	1.655	0.0108	0.0001
Move IHCs (bedload)	0.0230	14.0	290.1	1.655	0.0124	0.0003
Move OTRs	0.7260	14.0	309.9	1.655	0.0116	0.0084
Move OWCs	0.2410	14.0	131.7	1.655	0.0273	0.0066
Move Pallets	0.0010	14.0	302.9	1.655	0.0119	0.0000
Move Pallet Boxes	0.0090	14.0	382.1	1.655	0.0094	0.0001
O. Primary NMO Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move Pallets	1.0000	14.0	302.9	1.655	0.0119	0.0119
Load NMOs on Pallets	1.0000	13.3	302.9	1.655	0.0125	0.0125
Destination ADC						**0.1796**
Unload NMOs on Pallets	1.0000	12.2	302.9	1.655	0.0136	0.0136
Move Pallets	1.0000	14.0	302.9	1.655	0.0119	0.0119
D. Primary NMO Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHCs (bedloaded)	0.1291	14.0	290.1	1.655	0.0124	0.0016
Move OTRs	0.5363	14.0	309.9	1.655	0.0116	0.0062
Move Pallets	0.3098	14.0	302.9	1.655	0.0119	0.0037
Move OWCs	0.0248	14.0	131.7	1.655	0.0273	0.0007
Bedload from IHC	0.1291	175.9	1.0	1.655	0.2864	0.0370
Load NMOs in OTRs	0.5363	10.4	309.9	1.655	0.0157	0.0084
Load NMOs on Pallet	0.3098	13.3	302.9	1.655	0.0125	0.0039
Load NMOs in OWC	0.0248	10.4	131.7	1.655	0.0369	0.0009
Destination SCF						**0.2599**
Unload Bedload to IHC	0.1291	153.5	1.0	1.655	0.3282	0.0424
Unload OTRs	0.5363	20.7	309.9	1.655	0.0078	0.0042
Unload Pallet	0.3098	12.2	302.9	1.655	0.0136	0.0042
Unload OWC	0.0248	20.7	131.7	1.655	0.0184	0.0005
Move IHC	0.1291	14.0	290.1	1.655	0.0124	0.0016
Move OTRs	0.5363	14.0	309.9	1.655	0.0116	0.0062
Move Pallet	0.3098	14.0	302.9	1.655	0.0119	0.0037
Move OWC	0.0248	14.0	131.7	1.655	0.0273	0.0007
Manual Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHC	0.2673	14.0	290.1	1.655	0.0124	0.0033
Move OTRs	0.6025	14.0	309.9	1.655	0.0116	0.0070
Move OWC	0.1302	14.0	131.7	1.655	0.0273	0.0036
Bedload NMOs	0.2673	175.9	1.0	1.655	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	309.9	1.655	0.0157	0.0094
Load Hampers/OWC	0.1302	10.4	131.7	1.655	0.0369	0.0048
Destination Delivery Unit						**0.0949**
Unload Bedload NMOs	*0.2673*	*153.5*	*1.0*	*1.655*	*0.3282*	*0.0877*
Unload loose in OTR	0.6025	20.7	309.9	1.655	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024

Model Cost	**$0.7546**	**$0.7546**
Model Weight[2]	**19.1%**	**13.7%**
Wtd Modeled Cost	**$0.1441**	**$0.1035**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1]Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Machinable Nonpresort Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0736**
Unload Containers[1]	1.0000				0.0147	0.0147
Crossdock Containers	1.0000	7.0	258.6	1.66	0.0278	0.0278
Bedload Sacks	0.0215	181.8	20.4	1.66	0.0136	0.0003
Bedload loose	0.0345	175.9	1	1.66	0.2864	0.0099
Load Sacks in OTRs	0.1156	10.4	326.4	1.66	0.0149	0.0017
Load Loose in OTRs	0.5124	10.4	309.9	1.66	0.0157	0.0080
Load OWCs	0.2970	10.4	131.7	1.66	0.0369	0.0110
Load Pallets	0.0070	13.3	302.9	1.66	0.0125	0.0001
Load Pallet Boxes	0.0120	13.3	382.1	1.66	0.0099	0.0001
Destination BMC						**0.3160**
Unload Bedload Sack	0.0215	186.2	20.4	1.78	0.0143	0.0003
Unload Bedload Loose	0.0345	620.1	1.0	1.78	0.0876	0.0030
Unload Sacks in OTR	0.1156	20.7	326.4	1.78	0.0080	0.0009
Unload loose in OTR	0.5124	20.7	309.9	1.78	0.0084	0.0043
Unload Other Wheeled Cont.	0.2970	20.7	131.7	1.78	0.0199	0.0059
Unload Pallet	0.0070	12.2	302.9	1.78	0.0147	0.0001
Unload Pallet Boxes	0.0120	12.2	382.1	1.78	0.0116	0.0001
Dump OTR of sacks	0.1156	6.5	326.4	1.48	0.0214	0.0025
Dump OTR of loose	0.5124	6.5	309.9	1.48	0.0225	0.0115
Dump Other Wheeled Cont.	0.2970	6.5	131.7	1.48	0.0530	0.0157
Dump Pallet	0.0070	6.5	302.9	1.48	0.0231	0.0002
Dump Pallet Boxes	0.0120	6.5	382.1	1.48	0.0183	0.0002
Sack Sorter	0.1371	420.0	20.4	2.08	0.0074	0.0010
Sack shakeout	0.1371	72.3	20.4	1.48	0.0306	0.0042
Primary PSM	1.0000	813	1.0	2.14	0.0801	0.0801
Secondary PSM	0.7991			0.06	0.0634	0.0507
Sweep Runouts OTR	0.7327	5.4	309.9	1.48	0.0269	0.0197
Sack and Tie	0.2673	125.4	1.0	1.48	0.3597	0.0961
Bedload Sacks	0.2384	181.8	20.4	1.78	0.0146	0.0035
Load OTRs w/ sacks	0.0289	10.4	326.4	1.78	0.0160	0.0005
Load OTRs w/ loose	0.6025	10.4	309.9	1.78	0.0169	0.0102
Load Hampers/OWC	0.1302	10.4	131.7	1.78	0.0398	0.0052
Destination SCF						**0.0567**
Unload Bedload Sacks	0.2384	153.5	20.4	1.66	0.0161	0.0038
Unload Sacks in OTR	0.0289	20.7	326.4	1.66	0.0074	0.0002
Unload loose in OTR	0.6025	20.7	309.9	1.66	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.66	0.0184	0.0024
Crossdock Bedload Sacks	0.2384	7.0	290.1	1.66	0.0248	0.0059
Crossdock Sacks in OTR	0.0289	7.0	326.4	1.66	0.0220	0.0006
Crossdock loose in OTR	0.6025	7.0	309.9	1.66	0.0232	0.0140
Crossdock OWC	0.1302	7.0	131.7	1.66	0.0546	0.0071
Bedload Sacks	0.2673	181.8	20.4	1.66	0.0136	0.0036
Load OTRs w/ loose	0.6025	10.4	309.9	1.66	0.0157	0.0094
Load Hampers/OWC	0.1302	10.4	131.7	1.66	0.0369	0.0048
Destination Delivery Unit						**0.0174**
Unload Bedload Sacks	0.2673	153.5	20.4	1.66	0.0161	0.0043
Unload loose in OTR	0.6025	20.7	309.9	1.66	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.66	0.0184	0.0024
Dump Sacks	0.2673	110.4	20.4	1.66	0.0224	0.0060

Model Cost	**0.4637**	**0.4637**
Model Weight[2]	**27.3%**	**19.6%**
Wtd Modeled Cost	**0.1264**	**0.0908**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1]Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2] Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Nonmachinable Nonpresort > 20 Lbs Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**1.1062**
Unload Containers[1]	1.0000				0.2145	0.2145
Crossdock containers	1.0000	7.0	14.3	1.66	0.5036	0.5036
Bedload NMOs	0.0230	175.9	1.0	1.66	0.2864	0.0066
Load NMOs in OTRs	0.7260	10.4	16.6	1.66	0.2935	0.2131
Load NMOs in OWCs	0.2410	10.4	7.0	1.66	0.6907	0.1665
Load NMOs on Pallets	0.0010	13.3	16.2	1.66	0.2334	0.0002
Load NMOs on Pallet Boxes	0.0090	13.3	20.4	1.66	0.1850	0.0017
Destination BMC						**1.1842**
Unload Bedload onto IHCs	0.0230	160.7	1.0	1.78	0.3379	0.0078
Unload OTRs	0.7260	20.7	16.6	1.78	0.1581	0.1148
Unload OWCs	0.2410	20.7	7.0	1.78	0.3721	0.0897
Unload Pallets	0.0010	12.2	16.2	1.78	0.2747	0.0003
Unload Pallet Boxes	0.0090	12.2	20.4	1.78	0.2178	0.0020
Move IHCs	0.0095	14.0	15.5	1.48	0.2076	0.0020
Move OTRs	0.2992	14.0	16.6	1.48	0.1944	0.0582
Move OWCs	0.0993	14.0	16.2	1.48	0.1989	0.0197
Move Pallets	0.0004	14.0	16.2	1.48	0.1989	0.0001
Move Pallet Boxes	0.0037	14.0	20.4	1.48	0.1576	0.0006
NMO Sort	1.0000	100.0	1.0	1.57	0.4769	0.4769
Move IHCs (bedloaded)	0.0405	14.0	15.5	1.48	0.2076	0.0084
Move OTRs	0.1681	14.0	16.6	1.48	0.1944	0.0327
Move Pallets	0.3098	14.0	16.2	1.48	0.1989	0.0616
Move OWCs	0.0078	14.0	7.0	1.48	0.4574	0.0036
Bedload from IHC	0.1291	175.9	1.0	1.78	0.3087	0.0399
Load NMOs in OTRs	0.5363	10.4	16.6	1.78	0.3164	0.1697
Load NMOs on Pallet	0.3098	13.3	16.2	1.78	0.2516	0.0780
Load NMOs in OWC	0.0248	10.4	7.0	1.78	0.7445	0.0185
Destination SCF						**1.1308**
Unload Bedload to IHC	0.1291	153.5	1.0	1.66	0.3282	0.0424
Unload OTRs	0.5363	20.7	16.6	1.66	0.1467	0.0787
Unload Pallet	0.3098	12.2	16.2	1.66	0.2548	0.0789
Unload OWC	0.0248	20.7	7.0	1.66	0.3452	0.0086
Move IHC	0.1291	14.0	15.5	1.66	0.2318	0.0299
Move OTRs	0.5363	14.0	16.6	1.66	0.2171	0.1164
Move Pallet	0.3098	14.0	16.2	1.66	0.2221	0.0688
Move OWC	0.0248	14.0	7.0	1.66	0.5108	0.0127
Manual Sort	1.0000	497.7	1.0	1.50	0.0918	0.0918
Move IHC	0.2673	14.0	15.5	1.66	0.2318	0.0620
Move OTRs	0.6025	14.0	16.6	1.66	0.2171	0.1308
Move OWC	0.1302	14.0	7.0	1.66	0.5108	0.0665
Bedload NMOs	0.2673	175.9	1.0	1.66	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	16.6	1.66	0.2935	0.1769
Load Hampers/OWC	0.1302	10.4	7.0	1.66	0.6907	0.0899
Destination Delivery Unit						**0.2211**
Unload Bedload NMOs	0.2673	153.5	1.0	1.66	0.3282	0.0877
Unload loose in OTR	0.6025	20.7	16.6	1.66	0.1467	0.0884
Unload OWC	0.1302	20.7	7.0	1.66	0.3452	0.0449

Model Cost	**3.6422**	**$3.642**
Model Weight[2]	**0.1%**	**0.10%**
Wtd Modeled Cost	**0.0052**	**$0.004**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1]Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2]Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Nonmachinable < 20 Lbs Nonpresort Mail Processing Cost Model

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0901**
Unload Containers[1]	1.0000				0.0363	0.0363
Crossdock Containers	1.0000	7.0	267.1	1.655	0.0269	0.0269
Bedload NMOs	0.0230	175.9	1.0	1.655	0.2864	0.0066
Load NMOs in OTRs	0.7260	10.4	309.9	1.655	0.0157	0.0114
Load NMOs in OWCs	0.2410	10.4	131.7	1.655	0.0369	0.0089
Load NMOs on Pallets	0.0010	13.3	302.9	1.655	0.0125	0.0000
Load NMOs on Pallet Boxes	0.0090	13.3	382.1	1.655	0.0099	0.0001
ADC						**0.2276**
Unload Bedloaded NMOs	0.0230	160.7	1.0	1.655	0.3135	0.0072
Unload NMOs in OTRs	0.7260	20.7	309.9	1.655	0.0078	0.0057
Unload NMOs in OWC	0.7260	20.7	131.7	1.655	0.0184	0.0134
Unload NMOs on Pallets	0.7260	12.2	302.9	1.655	0.0136	0.0099
Unload NMOs on Pallet Boxes	0.0090	12.2	382.1	1.655	0.0108	0.0001
Move IHCs (bedload)	0.0230	14.0	290.1	1.655	0.0124	0.0003
Move OTRs	0.7260	14.0	309.9	1.655	0.0116	0.0084
Move OWCs	0.7260	14.0	131.7	1.655	0.0273	0.0198
Move Pallets	0.7260	14.0	302.9	1.655	0.0119	0.0086
Move Pallet Boxes	0.0090	14.0	382.1	1.655	0.0094	0.0001
O. Primary NMO Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHCs (bedloaded)	0.1291	14.0	290.1	1.655	0.0124	0.0016
Move OTRs	0.5363	14.0	309.9	1.655	0.0116	0.0062
Move Pallets	0.3098	14.0	302.9	1.655	0.0119	0.0037
Move OWCs	0.0248	14.0	131.7	1.655	0.0273	0.0007
Bedload from IHC	0.1291	175.9	1.0	1.655	0.2864	0.0370
Load NMOs in OTRs	0.5363	10.4	309.9	1.655	0.0157	0.0084
Load NMOs on Pallet	0.3098	13.3	302.9	1.655	0.0125	0.0039
Load NMOs in OWC	0.0248	10.4	131.7	1.655	0.0369	0.0009
Destination SCF						**0.2599**
Unload Bedload to IHC	0.1291	153.5	1.0	1.655	0.3282	0.0424
Unload OTRs	0.5363	20.7	309.9	1.655	0.0078	0.0042
Unload Pallet	0.3098	12.2	302.9	1.655	0.0136	0.0042
Unload OWC	0.0248	20.7	131.7	1.655	0.0184	0.0005
Move IHC	0.1291	14.0	290.1	1.655	0.0124	0.0016
Move OTRs	0.5363	14.0	309.9	1.655	0.0116	0.0062
Move Pallet	0.3098	14.0	302.9	1.655	0.0119	0.0037
Move OWC	0.0248	14.0	131.7	1.655	0.0273	0.0007
Manual Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHC	0.2673	14.0	290.1	1.655	0.0124	0.0033
Move OTRs	0.6025	14.0	309.9	1.655	0.0116	0.0070
Move OWC	0.1302	14.0	131.7	1.655	0.0273	0.0036
Bedload NMOs	0.2673	175.9	1.0	1.655	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	309.9	1.655	0.0157	0.0094
Load Hampers/OWC	0.1302	10.4	131.7	1.655	0.0369	0.0048
Destination Delivery Unit						**0.0949**
Unload Bedload NMOs	0.2673	153.5	1.0	1.655	0.3282	0.0877
Unload loose in OTR	0.6025	20.7	309.9	1.655	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024

Model Cost	**$0.6724**	**$0.6724**
Model Weight[2]	**12.9%**	**9.3%**
Wtd Modeled Cost	**$0.0867**	**$0.0623**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1]Unload Containers cost at OSCF uses the average cost of unloading containers at origin BMC as proxy.
[2]Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Machinable BMC Presort Model Processing Cost Model
Current Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0466**
Unload Pallet Box	1.0000	12.2	323.9	1.655	0.0127	0.0127
Crossdock Pallet Box	1.0000	7.0	323.9	1.655	0.0222	0.0222
Load Pallet Box	1.0000	13.3	323.9	1.655	0.0117	0.0117
Origin BMC						**0.0228**
Unload Pallet Box	0.5970	12.2	323.9	1.784	0.0137	0.0082
Crosssdock Pallet Box	0.5970	14.0	323.9	1.784	0.0120	0.0071
Load Pallet Box	0.5970	13.3	323.9	1.784	0.0126	0.0075
Destination BMC						**0.2141**
Unload Pallet Box	1.0000	12.2	323.9	1.784	0.0137	0.0137
Dump Pallet Box	1.0000	6.5	323.9	1.784	0.0260	0.0260
Primary PSM	1.0000	813.0	1.0	2.140	0.0801	0.0801
Secondary PSM	0.7991			0.063	0.0634	0.0507
Sweep Containers	0.7327	5.4	309.9	1.482	0.0269	0.0197
Sack & Tie	0.2673	125.4	20.4	1.482	0.0176	0.0047
Bedload Vans	0.2384	181.8	20.4	1.784	0.0146	0.0035
Load OTRs w/ sacks	0.0289	10.4	326.4	1.784	0.0160	0.0005
Load OTRs w/ loose	0.6025	10.4	309.9	1.784	0.0169	0.0102
Load OWC	0.1302	10.4	131.7	1.784	0.0398	0.0052
Destination SCF						**0.0567**
Unload Bedload Sacks	0.2384	153.5	20.4	1.655	0.0161	0.0038
Unload OTRs w/sacks	0.0289	20.7	326.4	1.655	0.0074	0.0002
Unload OTRs w/ loose	0.6025	20.7	309.9	1.655	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024
Crossdock Bedload Sacks	0.2384	7.0	290.1	1.655	0.0248	0.0059
Crossdock Sacks in OTR	0.0289	7.0	326.4	1.655	0.0220	0.0006
Crossdock loose in OTR	0.6025	7.0	309.9	1.655	0.0232	0.0140
Crossdock OWC	0.1302	7.0	131.7	1.655	0.0546	0.0071
Bedload Sacks	0.2673	181.8	20.4	1.655	0.0136	0.0036
Load OTRs w/ loose	0.6025	10.4	309.9	1.655	0.0157	0.0094
Load Hampers/OWC	0.1302	10.4	131.7	1.655	0.0369	0.0048
Destination Delivery Unit						**0.0174**
Unload Bedload Sacks	0.2673	153.5	20.4	1.655	0.0161	0.0043
Unload loose in OTR	0.6025	20.7	309.9	1.655	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024
Dump Sacks	0.2673	110.4	20.4	1.655	0.0224	0.0060

Model Cost	**0.3576**	**0.3576**
Model Weight[1]	**85.0%**	**23.4%**
Wtd Modeled Cost	**$0.3039**	**$0.0838**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Nonmachinable BMC Presort Mail Processing Cost Model
Current Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.9324**
Unload Pallets	1.0000	12.2	16.2	1.655	0.2548	0.2548
Crossdock NMO Pallets	1.0000	7.0	16.2	1.655	0.4442	0.4442
Load NMOs Pallets	1.0000	13.3	16.2	1.655	0.2334	0.2334
Origin BMC						**0.6000**
Unload Pallets	0.5970	12.2	16.2	1.784	0.2747	0.1640
Crossdock Pallets	0.5970	7.0	16.2	1.784	0.4788	0.2858
Load NMOs Pallets	0.5970	13.3	16.2	1.784	0.2516	0.1502
Destination BMC						**1.2458**
Unload Pallets	1.0000	12.2	16.2	1.784	0.2747	0.2747
Move Pallets	0.4121	14.0	16.2	1.482	0.1989	0.0819
D. Primary NMO Sort	1.0000	100.0	1.0	1.567	0.4769	0.4769
Move IHCs (bedloaded)	0.0405	14.0	15.5	1.482	0.2076	0.0084
Move OTRs	0.1681	14.0	16.6	1.482	0.1944	0.0327
Move Pallets	0.3098	14.0	16.2	1.482	0.1989	0.0616
Move OWCs	0.0078	14.0	7.0	1.482	0.4574	0.0036
Bedload from IHC	0.1291	175.9	1.0	1.784	0.3087	0.0399
Load NMOs in OTRs	0.5363	10.4	16.6	1.784	0.3164	0.1697
Load NMOs on Pallets	0.3098	13.3	16.2	1.784	0.2516	0.0780
Load NMOs in OWC	0.0248	10.4	7.0	1.784	0.7445	0.0185
Destination SCF						**0.9528**
Unload Bedload to IHC	0.1291	153.5	1.0	1.655	0.3282	0.0424
Unload OTRs	0.5363	20.7	16.6	1.655	0.1467	0.0787
Unload Pallets	0.3098	12.2	16.2	1.655	0.2548	0.0789
Unload OWC	0.0248	20.7	7.0	1.655	0.3452	0.0086
Move IHC	0.1291	14.0	15.5	1.655	0.2318	0.0299
Move OTRs	0.5363	14.0	16.6	1.655	0.2171	0.1164
Move Pallet	0.3098	14.0	16.2	1.655	0.2221	0.0688
Move OWC	0.0248	14.0	7.0	1.655	0.5108	0.0127
Manual Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHC	0.0838	14.0	15.5	1.655	0.2318	0.0194
Move OTRs	0.1889	14.0	16.6	1.655	0.2171	0.0410
Move OWC	0.0408	14.0	7.0	1.655	0.5108	0.0209
Bedload NMOs	0.2673	175.9	1.0	1.655	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	16.6	1.655	0.2935	0.1769
Load OWC	0.1302	10.4	7.0	1.655	0.6907	0.0899
Destination Delivery Unit						**0.2211**
Unload Bedload NMOs	0.2673	153.5	1.0	1.655	0.3282	0.0877
Unload loose in OTR	0.6025	20.7	16.6	1.655	0.1467	0.0884
Unload OWC	0.1302	20.7	7.0	1.655	0.3452	0.0449

Model Cost	**$3.9521**	**$3.9521**
Model Weight[1]	**0.010%**	**0.003%**
Wtd Modeled Cost	**0.0004**	**0.0001**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Nonmachinable BMC Presort Mail Processing Cost Model
Current Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0423**
Unload Pallets	1.0000	12.2	356.3	1.655	0.0116	0.0116
Crossdock Pallets	1.0000	7.0	356.3	1.655	0.0202	0.0202
Load NMOs Pallets	1.0000	13.3	356.3	1.655	0.0106	0.0106
Origin ADC						**0.0253**
Unload Pallets	0.5970	12.2	356.3	1.655	0.0116	0.0069
Crossdock Pallets	0.5970	7.0	356.3	1.655	0.0202	0.0120
Load NMOs Pallets	0.5970	13.3	356.3	1.655	0.0106	0.0063
Destination ADC						**0.1615**
Unload Pallets	1.0000	12.2	356.3	1.655	0.0116	0.0116
Move Pallets	0.4121	14.0	356.3	1.655	0.0101	0.0042
D. Primary NMO Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHCs (bedloaded)	0.0405	14.0	290.1	1.655	0.0124	0.0005
Move OTRs	0.1681	14.0	309.9	1.655	0.0116	0.0019
Move Pallets	0.0971	14.0	302.9	1.655	0.0119	0.0012
Move OWCs	0.0078	14.0	131.7	1.655	0.0273	0.0002
Bedload from IHC	0.1291	175.9	1.0	1.655	0.2864	0.0370
Load NMOs in OTRs	0.5363	10.4	309.9	1.655	0.0157	0.0084
Load NMOs on Pallets	0.3098	13.3	302.9	1.655	0.0125	0.0039
Load NMOs in OWC	0.0248	10.4	131.7	1.655	0.0369	0.0009
Destination SCF						**0.2599**
Unload Bedload to IHC	0.1291	153.5	1.0	1.655	0.3282	0.0424
Unload OTRs	0.5363	20.7	309.9	1.655	0.0078	0.0042
Unload Pallets	0.3098	12.2	302.9	1.655	0.0136	0.0042
Unload OWC	0.0248	20.7	131.7	1.655	0.0184	0.0005
Move IHC	0.1291	14.0	290.1	1.655	0.0124	0.0016
Move OTRs	0.5363	14.0	309.9	1.655	0.0116	0.0062
Move Pallet	0.3098	14.0	302.9	1.655	0.0119	0.0037
Move OWC	0.0248	14.0	131.7	1.655	0.0273	0.0007
Manual Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHC	0.2673	14.0	290.1	1.655	0.0124	0.0033
Move OTRs	0.6025	14.0	309.9	1.655	0.0116	0.0070
Move OWC	0.1302	14.0	131.7	1.655	0.0273	0.0036
Bedload NMOs	0.2673	175.9	1.0	1.655	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	309.9	1.655	0.0157	0.0094
Load OWC	0.1302	10.4	131.7	1.655	0.0369	0.0048
Destination Delivery Unit						**0.0949**
Unload Bedload NMOs	0.2673	153.5	1.0	1.655	0.3282	0.0877
Unload loose in OTR	0.6025	20.7	309.9	1.655	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024

Model Cost	**$0.5838**	**$0.5838**
Model Weight[1]	**15.03%**	**4.14%**
Wtd Modeled Cost	**0.0877**	**0.0242**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

5-Digit Presort Mail Processing Cost Model
Current Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0674**
Unload Sack	1.0000	153.5	14.2	1.655	0.0231	0.0231
Crossdock Bedload Sacks	1.0000	7.0	290.1	1.655	0.0248	0.0248
Bedload Sacks	1.0000	181.8	14.2	1.655	0.0195	0.0195
Origin BMC						**0.0408**
Unload Bedload Sack	0.5970	186.2	14.2	1.784	0.0205	0.0123
Crossdock IHC	0.5970	7.0	290.1	1.784	0.0267	0.0159
Bedload Sacks	0.5970	181.8	14.2	1.784	0.0210	0.0126
Destination BMC						**0.0683**
Unload Bedload Sack	1.0000	186.2	14.2	1.784	0.0205	0.0205
Crossdock IHC	1.0000	7.0	290.1	1.784	0.0267	0.0267
Bedload Sacks	1.0000	181.8	14.2	1.784	0.0210	0.0210
Destination SCF						**0.0674**
Unload Bedload Sack	1.0000	153.5	14.2	1.655	0.0231	0.0231
Crossdock Bedload Sacks	1.0000	7.0	290.1	1.655	0.0248	0.0248
Bedload Sacks	1.0000	181.8	14.2	1.655	0.0195	0.0195
Destination Delivery Unit						**0.0552**
Unload Bedload Sacks	1.0000	153.5	14.2	1.655	0.0231	0.0231
Dump Sacks	1.0000	110.4	14.2	1.655	0.0321	0.0321

Model Cost	**0.2990**	**0.2990**
Model Weight[1]	**100.00%**	**0.58%**
Wtd Modeled Cost	**0.2990**	**0.0017**

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Weights calculated in Attachment P, page 6. 1st column for presort level. 2nd column for total Media Mail volume.

Basic-Sort Machinable (BMC-presorted) Mail Processing Cost Model
Proposed Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0466**
Unload Pallet/Pallet Box	1.0000	12.2	323.9	1.655	0.0127	0.0127
Crossdock Pallet/Pallet Box	1.0000	7.0	323.9	1.655	0.0222	0.0222
Load Pallet/Pallet Box	1.0000	13.3	323.9	1.655	0.0117	0.0117
Origin BMC						**0.0300**
Unload Pallet/Pallet Box	0.5970	12.2	323.9	1.784	0.0137	0.0082
Crossdock Pallet/Pallet Box	0.5970	7.0	323.9	1.784	0.0239	0.0143
Load Pallet/Pallet Box	0.5970	13.3	323.9	1.784	0.0126	0.0075
Destination BMC						**0.2141**
Unload Pallet/Pallet Box	1.0000	12.2	323.9	1.784	0.0137	0.0137
Dump Pallet/Pallet Box	1.0000	6.5	323.9	1.784	0.0260	0.0260
Primary PSM	1.0000	813.0	1.0	2.14	0.0801	0.0801
Secondary PSM	0.7991			0.0634	0.0634	0.0507
Sweep Runouts OTR	0.7327	5.4	309.9	1.482	0.0269	0.0197
Sack and Tie	0.2673	125.4	20.4	1.482	0.0176	0.0047
Bedload Sacks	0.2384	181.8	20.4	1.784	0.0146	0.0035
Load OTRs w/ sacks	0.0289	10.4	326.4	1.784	0.0160	0.0005
Load OTRs w/ loose	0.6025	10.4	309.9	1.784	0.0169	0.0102
Load Hampers/OWC	0.1302	10.4	131.7	1.784	0.0398	0.0052
Destination SCF						**0.0567**
Unload Bedload Sacks	0.2384	153.5	20.4	1.655	0.0161	0.0038
Unload Sacks in OTR	0.0289	20.7	326.4	1.655	0.0074	0.0002
Unload loose in OTR	0.6025	20.7	309.9	1.655	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024
Crossdock Bedload Sacks	0.2384	7.0	290.1	1.655	0.0248	0.0059
Crossdock Sacks in OTR	0.0289	7.0	326.4	1.655	0.0220	0.0006
Crossdock loose in OTR	0.6025	7.0	309.9	1.655	0.0232	0.0140
Crossdock OWC	0.1302	7.0	131.7	1.655	0.0546	0.0071
Bedload Sacks	0.2673	181.8	20.4	1.655	0.0136	0.0036
Load OTRs w/ loose	0.6025	10.4	309.9	1.655	0.0157	0.0094
Load Hampers/OWC	0.1302	10.4	131.7	1.655	0.0369	0.0048
Destination Delivery Unit						**0.0174**
Unload Bedload Sacks	0.2673	153.5	20.4	1.655	0.0161	0.0043
Unload loose in OTR	0.6025	20.7	309.9	1.655	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024
Dump Sacks	0.2673	110.4	20.4	1.655	0.0224	0.0060

Model Cost	**$0.3648**

Weight (Used for average cost of Basic)	
Weight[1]	85.0%
Weighted Cost	$0.310

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Attachment G, page 6, Percents (New Requirements) [14].

Basic Sort (3-digit) NMO > 20 pounds
Proposed Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.8719**
Unload Pallet/Pallet Box	1.0000	12.2	17.3	1.655	0.2383	0.2383
Crossdock Pallet/Pallet Box	1.0000	7.0	17.3	1.655	0.4154	0.4154
Load Pallet/Pallet Box	1.0000	13.3	17.3	1.655	0.2183	0.2183
Origin BMC						**0.5611**
Unload Pallet/Pallet Box	0.5970	12.2	17.3	1.784	0.2569	0.1534
Crossdock Pallet/Pallet Box	0.5970	7.0	17.3	1.784	0.4477	0.2673
Load Pallet/Pallet Box	0.5970	13.3	17.3	1.784	0.2353	0.1405
Destination BMC						**0.9399**
Unload Pallet/Pallet Box	1.0000	12.2	17.3	1.784	0.2569	0.2569
Crossdock Pallet/Pallet Box	1.0000	7.0	17.3	1.784	0.4477	0.4477
Load Pallet/Pallet Box	1.0000	13.3	17.3	1.784	0.2353	0.2353
Destination SCF						**1.1404**
Unload Pallet/Pallet Box	1.0000	12.2	17.3	1.655	0.2383	0.2383
Move Pallet/Pallet Box	1.0000	14.0	17.3	1.655	0.2077	0.2077
Manual Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHC (with NMOs)	0.2673	14.0	15.5	1.655	0.2318	0.0620
Move OTRs with loose	0.6025	14.0	16.6	1.655	0.2171	0.1308
Move OWC	0.1302	14.0	7.0	1.655	0.5108	0.0665
Bedload NMOs	0.2673	175.9	1.0	1.655	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	16.6	1.655	0.2935	0.1769
Load OWC	0.1302	10.4	7.0	1.655	0.6907	0.0899
Destination Delivery Unit						**0.2171**
Unload Bedload NMOs	0.2673	160.7	1.0	1.655	0.3135	0.0838
Unload loose in OTR	0.6025	20.7	16.6	1.655	0.1467	0.0884
Unload OWC	0.1302	20.7	7.0	1.655	0.3452	0.0449

Model Cost	**$3.730**

Weight (Used for average cost of Basic)	
Weight[1]	0.005%
Weighted Cost	$0.000

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Attachment G, page 6, Percents (New Requirements) [14].

Basic Sort (BMC/ASF-digit) NMO > 20 lbs Mail Processing Cost Model
Proposed Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.8719**
Unload Pallet/Pallet Box	1.0000	12.2	17.3	1.655	0.2383	0.2383
Crossdock Pallet/Pallet Box	1.0000	7.0	17.3	1.655	0.4154	0.4154
Load Pallet/Pallet Box	1.0000	13.3	17.3	1.655	0.2183	0.2183
Origin BMC/ASF						**0.5611**
Unload Pallet/Pallet Box	0.5970	12.2	17.3	1.784	0.2569	0.1534
Crossdock Pallet/Pallet Box	0.5970	7.0	17.3	1.784	0.4477	0.2673
Load Pallet/Pallet Box	0.5970	13.3	17.3	1.784	0.2353	0.1405
Destination BMC/ASF						**1.1657**
Unload Pallet/Pallet Box	1.0000	12.2	17.3	1.784	0.2569	0.2569
Move Pallet/Pallet Box	0.4121	14.0	17.3	1.482	0.1860	0.0766
D. Primary NMO Sort	1.0000	100.0	1.0	1.567	0.4769	0.4769
Move IHCs (bedloaded)	0.0405	14.0	15.5	1.482	0.2076	0.0084
Move OTRs	0.1681	14.0	16.6	1.482	0.1944	0.0327
Move Pallets	0.0971	14.0	16.2	1.482	0.1989	0.0193
Move OWCs	0.0078	14.0	7.0	1.482	0.4574	0.0036
Bedload from IHC	0.1291	175.9	1.0	1.784	0.3087	0.0399
Load NMOs in OTRs	0.3098	10.4	16.6	1.784	0.3164	0.0980
Load NMOs on Pallets	0.5363	13.3	16.2	1.784	0.2516	0.1349
Load NMOs in OWC	0.0248	10.4	7.0	1.784	0.7445	0.0185
Destination SCF						**1.1564**
Unload Bedload to IHC	0.1291	153.5	1.0	1.655	0.3282	0.0424
Unload OTRs	0.3098	20.7	16.6	1.655	0.1467	0.0454
Unload Pallets	0.5363	12.2	16.2	1.655	0.2548	0.1367
Unload OWC	0.0248	20.7	7.0	1.655	0.3452	0.0086
Move IHC	0.1291	14.0	15.5	1.655	0.2318	0.0299
Move OTRs	0.3098	14.0	16.6	1.655	0.2171	0.0673
Move Pallet	0.5363	14.0	16.2	1.655	0.2221	0.1191
Move OWC	0.0248	14.0	7.0	1.655	0.5108	0.0127
Manual Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHC	0.2673	14.0	15.5	1.655	0.2318	0.0620
Move OTRs	0.6025	14.0	16.6	1.655	0.2171	0.1308
Move OWC	0.1302	14.0	7.0	1.655	0.5108	0.0665
Bedload NMOs	0.2673	175.9	1.0	1.655	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	16.6	1.655	0.2935	0.1769
Load OWC	0.1302	10.4	7.0	1.655	0.6907	0.0899
Destination Delivery Unit						**0.2171**
Unload Bedload NMOs	0.2673	160.7	1.0	1.655	0.3135	0.0838
Unload loose in OTR	0.6025	20.7	16.6	1.655	0.1467	0.0884
Unload OWC	0.1302	20.7	7.0	1.655	0.3452	0.0449
				Model Cost		**3.9722**

Weight (Used for average cost of Basic)	
Weight[1]	0.005%
Weighted Cost	$0.000

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Attachment G, page 6, Percents (New Requirements) [14].

Basic Sort (3-digit) Nonmachinable < 20 lbs. Mail Processing Cost Model
Proposed Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0466**
Unload Pallet/Pallet Box	1.0000	12.2	323.9	1.655	0.0127	0.0127
Crossdock Pallet/Pallet Box	1.0000	7.0	323.9	1.655	0.0222	0.0222
Load Pallet/Pallet Box	1.0000	13.3	323.9	1.655	0.0117	0.0117
Origin ADC						**0.0278**
Unload Pallet/Pallet Box	0.5970	12.2	323.9	1.655	0.0127	0.0076
Crossdock Pallet/Pallet Box	0.5970	7.0	323.9	1.655	0.0222	0.0132
Load Pallet/Pallet Box	0.5970	13.3	323.9	1.655	0.0117	0.0070
Destination ADC						**0.0466**
Unload Pallet/Pallet Box	1.0000	12.2	323.9	1.655	0.0127	0.0127
Crossdock Pallet/Pallet Box	1.0000	7.0	323.9	1.655	0.0222	0.0222
Load Pallet/Pallet Box	1.0000	13.3	323.9	1.655	0.0117	0.0117
Destination SCF						**0.2203**
Unload Pallet/Pallet Box	1.0000	12.2	323.9	1.655	0.0127	0.0127
Move Pallet/Pallet Box	1.0000	14.0	323.9	1.655	0.0111	0.0111
Manual Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHC (with NMOs)	0.2673	14.0	290.1	1.655	0.0124	0.0033
Move OTRs with loose	0.6025	14.0	309.9	1.655	0.0116	0.0070
Move OWC	0.1302	14.0	131.7	1.655	0.0273	0.0036
Bedload NMOs	0.2673	175.9	1.0	1.655	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	309.9	1.655	0.0157	0.0094
Load OWC	0.1302	10.4	131.7	1.655	0.0369	0.0048
Destination Delivery Unit						**0.0909**
Unload Bedload NMOs	0.2673	160.7	1.0	1.655	0.3135	0.0838
Unload loose in OTR	0.6025	20.7	309.9	1.655	0.0078	0.0047
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024

Model Cost	**$0.432**

Weight (Used for average cost of Basic)	
Weight[1]	7.51%
Weighted Cost	$0.032

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Attachment G, page 6, Percents (New Requirements) [14].

Basic Sort (ADC-digit) NMO < 20 lbs Mail Processing Cost Model
Proposed Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0466**
Unload Pallet/Pallet Box	1.0000	12.2	323.9	1.655	0.0127	0.0127
Crossdock Pallet/Pallet Box	1.0000	7.0	323.9	1.655	0.0222	0.0222
Load Pallet/Pallet Box	1.0000	13.3	323.9	1.655	0.0117	0.0117
Origin ADC						**0.0278**
Unload Pallet/Pallet Box	0.5970	12.2	323.9	1.655	0.0127	0.0076
Crossdock Pallet/Pallet Box	0.5970	7.0	323.9	1.655	0.0222	0.0132
Load Pallet/Pallet Box	0.5970	13.3	323.9	1.655	0.0117	0.0070
Destination ADC						**0.1916**
Unload Pallet/Pallet Box	1.0000	12.2	323.9	1.655	0.0127	0.0127
Move Pallet/Pallet Box	1.0000	14.0	323.9	1.655	0.0111	0.0111
D. Primary NMO Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHCs (bedloaded)	0.1291	14.0	290.1	1.655	0.0124	0.0016
Move OTRs	0.5363	14.0	160.1	1.655	0.0224	0.0120
Move Pallets	0.3098	14.0	302.9	1.655	0.0119	0.0037
Move OWCs	0.0248	14.0	131.7	1.655	0.0273	0.0007
Bedload from IHC	0.1291	175.9	1.0	1.655	0.2864	0.0370
Load NMOs in OTRs	0.5363	10.4	160.1	1.655	0.0303	0.0163
Load NMOs on Pallets	0.3098	13.3	302.9	1.655	0.0125	0.0039
Load NMOs in OWC	*0.0248*	*10.4*	*131.7*	*1.655*	*0.0369*	*0.0009*
Destination SCF						**0.2850**
Unload Bedload to IHC	0.1291	153.5	1.0	1.655	0.3282	0.0424
Unload OTRs	0.5363	20.7	160.1	1.655	0.0152	0.0081
Unload Pallets	0.3098	12.2	302.9	1.655	0.0136	0.0042
Unload OWC	0.0248	20.7	131.7	1.655	0.0184	0.0005
Move IHC	0.1291	14.0	290.1	1.655	0.0124	0.0016
Move OTRs	0.5363	14.0	160.1	1.655	0.0224	0.0120
Move Pallet	0.3098	14.0	302.9	1.655	0.0119	0.0037
Move OWC	0.0248	14.0	131.7	1.655	0.0273	0.0007
Manual Sort	1.0000	497.7	1.0	1.501	0.0918	0.0918
Move IHC	0.2673	14.0	290.1	1.655	0.0124	0.0033
Move OTRs	0.6025	14.0	160.1	1.655	0.0224	0.0135
Move OWC	0.1302	14.0	131.7	1.655	0.0273	0.0036
Bedload NMOs	0.2673	175.9	1.0	1.655	0.2864	0.0765
Load OTRs w/ loose	0.6025	10.4	160.1	1.655	0.0303	0.0183
Load OWC	0.1302	10.4	131.7	1.655	0.0369	0.0048
Destination Delivery Unit						**0.0953**
Unload Bedload NMOs	0.2673	160.7	1.0	1.655	0.3135	0.0838
Unload loose in OTR	0.6025	20.7	160.1	1.655	0.0152	0.0091
Unload OWC	0.1302	20.7	131.7	1.655	0.0184	0.0024
				Model Cost		**0.6463**

Weight (Used for average cost of Basic)	
Weight[1]	7.51%
Weighted Cost	$0.049

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Attachment G, page 6, Percents (New Requirements) [14].

5-digit Presort (Machinables and NMOs < 20lbs) Mail Processing Cost Model
Proposed Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0608**
Unload Sack	1.0000	186.2	15.2	1.655	0.0178	0.0178
Crossdock Bedload Sacks	1.0000	7.0	290.1	1.655	0.0248	0.0248
Bedload Sacks	1.0000	181.8	15.2	1.655	0.0182	0.0182
Origin BMC						**0.0391**
Unload Bedload Sack	0.5970	186.2	15.2	1.784	0.0192	0.0114
Crossdock IHC with Sacks	0.5970	7.0	290.1	1.784	0.0267	0.0159
Bedload Sacks	0.5970	181.8	15.2	1.784	0.0196	0.0117
Destination BMC						**0.0655**
Unload Bedload Sack	1.0000	186.2	15.2	1.784	0.0192	0.0192
Crossdock IHC with Sacks	1.0000	7.0	290.1	1.784	0.0267	0.0267
Bedload Sacks	1.0000	181.8	15.2	1.784	0.0196	0.0196
Destination SCF						**0.0608**
Unload Bedload Sack	1.0000	186.2	15.2	1.655	0.0178	0.0178
Crossdock Bedload Sacks	1.0000	7.0	290.1	1.655	0.0248	0.0248
Bedload Sacks	1.0000	181.8	15.2	1.655	0.0182	0.0182
Destination Delivery Unit						**0.0478**
Unload Bedload Sacks	1.0000	186.2	15.2	1.655	0.0178	0.0178
Dump Sacks	1.0000	110.4	15.2	1.655	0.0300	0.0300

Model Cost	**$0.274**

Weight (Used for average cost of 5-digit)	
Weight[1]	99.99%
Weighted Cost	$0.274

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Attachment G, page 6, Percents (New Requirements) [14].

5-digit Presort (NMOs > 20 lbs) Mail Processing Cost Model
Proposed Requirements

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.8719**
Unload Pallet	1.0000	12.2	17.3	1.655	0.2383	0.2383
Crossdock Pallet	1.0000	7.0	17.3	1.655	0.4154	0.4154
Load Pallet	1.0000	13.3	17.3	1.655	0.2183	0.2183
Origin BMC						**0.5611**
Unload Pallet	0.5970	12.2	17.3	1.784	0.2569	0.1534
Crossdock Pallet	0.5970	7.0	17.3	1.784	0.4477	0.2673
Bedload Pallet	0.5970	13.3	17.3	1.784	0.2353	0.1405
Destination BMC						**0.9399**
Unload Pallet	1.0000	12.2	17.3	1.784	0.2569	0.2569
Crossdock Pallet	1.0000	7.0	17.3	1.784	0.4477	0.4477
Load Pallet	1.0000	13.3	17.3	1.784	0.2353	0.2353
Destination SCF						**0.8719**
Unload Pallet	1.0000	12.2	17.3	1.655	0.2383	0.2383
Crossdock Pallet	1.0000	7.0	17.3	1.655	0.4154	0.4154
Load Pallet	1.0000	13.3	17.3	1.655	0.2183	0.2183
Destination Delivery Unit						**0.2373**
Unload Pallet	1.0000	12.3	17.3	1.655	0.2373	0.2373

Model Cost	**$3.482**

Weight (Used for average cost of 5-digit)	
Weight[1]	0.009%
Weighted Cost	$0.0003

Sources

Column [1]: Attachment G, page 4, arrival and dispatch profiles.
Column [2]: Attachment G, page 3, units per workhour.
Column [3]: Attachment G, page 7, conversion factors.
Column [4]: Attachment G, page 5, piggyback factors.
Column [5]: (TY wage rate * column [4]) / (column [2] * (column [3]).
Column [6]: Column [1] * column [5].

[1] Attachment G, page 6, Percents (New Requirements) [14].

Attachment H

SUMMARY OF BPRS COSTS

	Unit Costs	
Collection	$0.035	1/
Mail Processing	$0.628	2/
Transportation	$0.469	3/
Delivery	$0.049	4/
Postage Due	$0.051	5/
Total Cost	$1.232	6/

Sources

Row 1/: Attachment H, page 9.
Row 2/: Attachment H, page 2.
Row 3/: Attachment H, page 10.
Row 4/: Attachment H, page 12.
Row 5/: Attachment H, page 13.
Row 6/: Sum of rows (1-5).

BPRS MAIL PROCESSING COST SUMMARY

Weighted Avg Model Cost	**1/**	**$0.433**
Media Mail Avg Modeled Cost	**2/**	**$0.553**
Percent of costs	**3/**	**0.783**
Media Mail Proportational adj. Factor	**4/**	**1.108**
Media Mail Fixed CRA adj. factor	**5/**	**0.188**
Adjusted Fixed CRA adj. Factor	**6/**	**0.147**
Estimated Cost	**7/**	**$0.628**

Sources

Row 1/: Weighted Estimated Mail Processing Costs from pages 6 and 7 of this attachment.
Row 2/: Attachment G, page 1, row 1.
Row 3/: Row (1) / row (2).
Row 4/: Proportional CRA adjustment factor from Media mail from Attachment G, page 1, row 3.
Row 5/: Fixed CRA adjustment factor from Media Mail from Attachment G, page 1, row 4.
Row 6/: Row (3) * row (5).
Row 7/: Row (1) * row (4) + row (6).

Productivities and Variabilities for Direct Labor Operations

	Units /Wkhr	
UNLOADING	**Marginal**	
Unload sacked machinable parcels to extended conveyor	186.2	1/
Unload machinable parcels to extended conveyor	620.1	1/
Unload Bedloaded Sacks	153.5	1/
Unload wheeled containers	20.7	1/
Unload Pallets, Pallet Box, and Postal Pak	12.2	1/
DUMPING & SACK HANDLING		
Dump Containers	6.5	1/
Sack shake out	72.3	1/
Manually dump sacks at Non-BMC	99.4	2/
Sack sorter	420.0	3/
PARCEL SORTING MACHINE DISTRIBUTION		
Primary Rate	813	3/
Secondary Rate	1224	3/
OTHER OPERATIONS		
Tend container loader/sweep runouts	5.4	1/
Crossdock Container	7.0	1/
Sack and Tie	125.4	1/
LOADING		
Bedload Loose	175.9	1/
Bedload Sacked Machinables	181.8	1/
Load Wheeled Containers	10.4	1/
Load pallets/postal paks and pallet box	13.3	1/
Variabilities		
BMC Platform	0.95	4/
BMC Other	0.98	4/
PSM	1.00	4/
SSM	1.00	4/
SSB	1.00	4/
NMO Distribution at BMCs	1.00	4/
Platform Non-BMC	0.90	4/
NMO Distribution at Non-BMCs	0.44	4/

Sources

1/: Docket No. R97-1 USPS-T-29, Appendix V, page 15.
2/: Proxy based on Planning Guidelines (PGLs).
3/: National Database: PIRS FY00.
4/: USPS-T-14 Table 1,volume varibilities.

Piggyback Factors and Arrival and Dispatch Profiles

Piggyback factors		
Cost Pool		
Sorting parcels	1.458	1/
Calculating postage due	1.457	2/
Auditing	1.457	3/
Mail Processing Operation Specific Piggyback Factors		
Other Operations at BMCs	1.482	4/
Platform BMC	1.784	4/
Parcel Sorting Machine	2.140	4/
Sack Sorting Machine - BMC	2.075	4/
Platform Non-BMC	1.655	4/
Secondary PSM (unit costs)	0.063	4/
Mail Flow Arrival and Dispatch Profiles		
Machinable Parcels Arriving in Bedloaded Sacks at BMC	5.6%	5/
Machinable Parcels Arriving sacked in OTRs at BMC	11.6%	5/
Machinable Parcels Arriving loose in OTRs at BMC	51.5%	5/
Machinable Parcels Arriving in Hampers/APC/OWC at BMC	29.6%	5/
Machinable Parcels Arriving Palletized at BMC	0.7%	5/
Machinable Parcels Arriving in Pallet Boxes	1.0%	5/
Machinable Parcels Arriving in Postal Paks at Destination BMC	100.0%	6/
Machinable Parcels Dispatched in Bedloaded Sacks to Service Area	23.8%	7/
Machinable Parcels Dispatched loose in OTRs to Service Area	60.3%	7/
Machinable Parcels Dispatched sacked in OTRs to Service Area	2.9%	7/
Machinable Parcels Dispatched in Hampers/APC/OWC to Service Area	13.0%	7/
Percentage of Parcels that use each Leg		
Percent with direct transportation to destinating delivery unit from BMC	16.3%	8/
Percent that travel from destination BMC to destination SCF	66.8%	8/
Percent that go from BMC to mailer	16.8%	8/
Percent that travel from destination SCF to destination delivery unit	47.5%	8/
Percent that travel from destination SCF to mailer	19.3%	8/
Percent of Mail that travels from BMC to SCF that also travels from SCF to AO	71.1%	8/
Mail Flow Operating Assumptions		
Probability of Inter-BMC parcel going to primary psm at destination BMC	83.4%	9/
Probability of Inter-BMC parcel being handled by a keyer on the secondary psm at destination	94.5%	10/
Probability of Intra-BMC parcels going to primary psm	100.00%	11/
Probability of Intra-BMC and DBMC on secondary psm	79.9%	12/

Sources

1/: USPS-T-15, Attachment 10, piggyback for manual sorting at non-mods facilities.
2/: USPS-T-15, Attachment 10, piggyback for mods 18 BUSREPLY.
3/: USPS-T-15, Attachment 10, piggyback for mods 18 BUSREPLY.
4/: USPS-T-15, Attachment 12, Operation specific piggyback factors.
5/: Arrival profile from Service Area for Fourth-Class Special Rate(Docket No. R97-1, LR-H-131, table 3), from S
Assume all of bedloaded is sacked since it comes from service area.
Assume 81.6 percent of OTRs are loose, 18.4 percent are sacked (Docket No. R97.1 LR-H-132).
6/: Assumption that 100 percent of machinable parcels going from BMC to BMC will be in Postal Paks
7/: Attachment A, page 4.
8/: Docket R2000-1, USPS-T-26, Attachment T, page 5, column 10.
Rows (9-12)/: Attachment A, page 5.

Other BPRS Inputs

BPRS mix of Inter/Intra parcels

Inter-BMC	95.2%	1/
Intra-BMC	4.8%	2/

Wage rates

Wage Rate with Premium Pay Factor Applied	$30.44	3/
Premium Pay Factor	0.987	4/
TY Other Mail Processing Wage Rate	$30.840	5/

	FY98	TY 03	Adj. Factor
	[1]	[2]	[3]
clerk/ mailhandler		$30.767	
window service	$26.392	$32.306	1.224
city carrier	$25.924	$32.617	1.258
rural carriers	$21.381	$25.874	1.210

Inputs for Transportation

	[4] Cost per cubic foot per leg	[5] Avg. # of legs	[6] Cost per cubic foot	[7] Parcel Post Total Cost	[8] Parcel Post Cubic Feet	[9] Percent
Inter-BMC						
Local	$0.81	1.93	$1.56	$41,258,930	26,445,528	
Intermediate	$0.94	1.93	$1.82	$48,208,893	26,445,528	
Long Distance	$2.77	1				
Distance Related		1.00	$2.64	$69,819,771	26,445,528	
Non-Distance Related		1.00	$0.13	$3,325,284	26,445,528	
Intra-BMC						
Local	$0.81					
Local Zone		1.00	$0.68	$739,810	1,092,866	4.33%
Non-Local Zone		2.00	$1.35	$16,363,060	12,085,964	95.67%
Intra-city		1.92	$0.26	$3,362,678	13,178,830	
Intermediate	$0.94					
Local Zone		1.00	$0.94	$1,030,545	1,092,866	
Non-Local Zone		2.00	$1.89	$22,793,526	12,085,964	

Sources

Row 1/: Assumption: 20/21 BPRS parcels travel through the Inter-BMC mailstream.
Row 2/: Assumption: 1/21 BPRS parcels travel through the IntraBMC mailstream.
Row 3/: Row (4) * row (5).
Row 4/: USPS-T-15, Attachment 14, all facilities premium pay factor.
Row 5/: LR-J-55, part VIII, page 2, test year other mail processing wage rate.

Column [1]: Docket No. R2000-1, LR-I-11, base year wage rates.
Column [2]: LR-J-50, Chapter 9B.
Column [3]: Column [2] / column [1].
Column [4]: Average cost per cubic foot leg for each type of transportation.
Column [5]: Average number of legs used in parcel post transportation model (Attachment B, page 9).
Column [6]: Total cost [7] / total cube [8].
Column [7]: Total cost of type of transportation, Attachment B, page 9.
Column [8]: Total cube for each type of transportation, Attachment B, page 6.

Conversion Factor Calculations

Container Type	[1] Outside Dim. Per Container	[2] Inside Dim. Per Container	[3] Cubic Feet Per Container	[4] Effective Cubic Capacity	[5] Capacity at Average Fullness	[6] Average % FULL
Pallet	48x40x48	48x40x48	53.3	634.9	539.7	85%
Postal Pak or Pallet Box[1]	48x40x69	46.5x38.5x69	71.5	773.7	657.6	85%
Sacks on In-house Container	65x41.5x36	65x41.5x36	56.2	608.2	517.0	85%

Pieces Per Container	[7] R84-1 FY82	[8] R2000 FY98
Sack	15.89	36.4
Sack in OTR	254.2	581.6
OTR	241.3	552.1
APC	124.7	285.3
Hamper	80.4	184.0

Cube	[9] Average Cubic Feet of BPRS	[10] Average Cube Form 22 CRA
BPRS (FY98)	0.084	
Special Standard (FY82)		0.19

Sources

Columns [1 & 2]: Container Methods, Handbook PO-502 (September 1992) ,Docket No. R97-1, LR-H-133.
Column [3]: Length * width * height.
Column [4]: (Column [3]) / ((column [9]) * air factor). Air factor = 1 for pallets, 1.1 for all other containers.
Column [5]: Effective cubic capacity (column [4]) * average % fullness (column [6]).
Column [6]: Pallets, postal paks and IHCs should be as full as practicable before dispatch so it is reasonable to assume these containers will be at least 85% full.
Column [7]: Docket No. R84-1, Exhibit USPS-14I (pieces per container for special standard).
Column [8]: Column [7] * (cubic feet in FY82 for special standard[10] / average cubic feet of BPRS[9]).
Column [9]: Average cube of BPRS parcels from October 1998 Cost Study. Used to adjust conversion factors from Special Standard to BPRS.
Column [10]: FY82 CRA at 12. Average cubic foot of special standard. Used to adjust conversion factors from Special Standard to BPRS.

1 Unlike the Parcel Post model and Media mail model, for BPRS the same conversion factor is used for both postal paks and pallet boxes
This is because for BPRS, both are being filled by USPS and therefore are assumed to be the same percent full.

Machinable Intra-BMC Model Cost Summary

	[1] # handling	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0189**
Unload Containers[1]	1.0000				0.0068	0.0068
Bedload Sacks	0.0560	181.8	36.4	1.66	0.0076	0.0004
Load Sacks in OTRs	0.1161	10.4	581.6	1.66	0.0084	0.0010
Load Loose in OTRs	0.5149	10.4	552.1	1.66	0.0088	0.0045
Load OWCs	0.2960	10.4	234.6	1.66	0.0207	0.0061
Load Pallets	0.0070	13.3	539.7	1.66	0.0070	0.0000
Load Pallet Boxes	0.0100	13.3	657.6	1.66	0.0057	0.0001
Destination BMC						**0.2762**
Unload Bedload Sack	0.0560	186.2	36.4	1.78	0.0080	0.0004
Unload Sacks in OTR	0.1161	20.7	581.6	1.78	0.0045	0.0005
Unload loose in OTR	0.5149	20.7	552.1	1.78	0.0047	0.0024
Unload Other Wheeled Cont.	0.2960	20.7	234.6	1.78	0.0112	0.0033
Unload Pallet	0.0070	12.2	539.7	1.78	0.0082	0.0001
Unload Pallet Boxes	0.0100	12.2	657.6	1.78	0.0068	0.0001
Dump OTR of sacks	0.1161	6.5	581.6	1.48	0.0120	0.0014
Dump OTR of loose	0.5149	6.5	552.1	1.48	0.0126	0.0065
Dump Other Wheeled Cont.	*0.2960*	*6.5*	*234.6*	*1.48*	*0.0298*	*0.0088*
Dump Pallet	0.0070	6.5	539.7	1.48	0.0129	0.0001
Dump Pallet Boxes	0.0100	6.5	657.6	1.48	0.0106	0.0001
Sack Sorter	0.1721	420.0	36.4	2.08	0.0041	0.0007
Sack shakeout	0.1721	72.3	36.4	1.48	0.0172	0.0030
Primary PSM	1.0000	813.0	1.0	2.14	0.0801	0.0801
Secondary PSM	0.7991			0.06	0.0634	0.0507
Sweep Runouts OTR	*0.7327*	*5.4*	*552.1*	*1.48*	*0.0151*	*0.0110*
Sack and Tie	0.2673	125.4	1.0	1.48	0.3597	0.0962
Bedload Sacks	0.2384	181.8	36.4	1.78	0.0082	0.0020
Load OTRs w/ sacks	0.0289	10.4	581.6	1.78	0.0090	0.0003
Load OTRs w/ loose	0.6025	10.4	552.1	1.78	0.0095	0.0057
Load Hampers/OWC	0.1302	10.4	234.6	1.78	0.0223	0.0029
Destination SCF						**0.0213**
Unload Bedload Sacks	*0.1593*	*153.5*	*36.4*	*1.66*	*0.0090*	*0.0014*
Unload Sacks in OTR	0.0193	20.7	581.6	1.66	0.0042	0.0001
Unload loose in OTR	0.4026	20.7	552.1	1.66	0.0044	0.0018
Unload OWC	0.0870	20.7	234.6	1.66	0.0103	0.0009
Crossdock Bedload Sacks	0.1593	7.0	517.0	1.66	0.0139	0.0022
Crossdock Sacks in OTR	0.0193	7.0	581.6	1.66	0.0124	0.0002
Crossdock loose in OTR	0.4026	7.0	552.1	1.66	0.0130	0.0052
Crossdock OWC	*0.0870*	*7.0*	*234.6*	*1.66*	*0.0306*	*0.0027*
Bedload Sacks	0.1786	181.8	36.4	1.66	0.0076	0.0014
Load OTRs w/ loose	0.4026	10.4	552.1	1.66	0.0088	0.0035
Load Hampers/OWC	0.0870	10.4	234.6	1.66	0.0207	0.0018
Destination Delivery Unit						**0.0065**
Unload Bedload Sacks	0.1707	153.5	36.4	1.66	0.0090	0.0015
Unload loose in OTR	0.3849	20.7	552.1	1.66	0.0044	0.0017
Unload OWC	*0.0832*	*20.7*	*234.6*	*1.66*	*0.0103*	*0.0009*
Dump Sacks	0.1707	99.4	36.4	1.66	0.0139	0.0024

Model Cost	**$0.3229**
Model Weight[2]	**4.8%**
Wtd Modeled Cost	**$0.0154**

Sources

Column [1]: Page 3 of this attachment, mailflow arrival and dispatch profile.

Column [2]: Page 3 of this attachment, units per workhours.

Column [3]: Page 5 of this attachment, conversion factors.

Column [4]: Page 3 of this attachment, piggyback factors.

Column [5]: = (Wage rate * column [4]) / (column [2] * column [3]).

Column [6]: = Column [1] * column [5]).

[1]Unload Containers cost at origin SCF uses the average cost of unloading containers at origin BMC as proxy.

[2]=(20/21) Assumption.

Machinable Inter-BMC Model Cost Summary

	[1] # handlings	[2] units/hr	[3] conversion	[4] piggyback	[5] $ per oper.	[6] $ per facility
Origin SCF						**0.0197**
Unload Containers[1]	1.0000				0.0075	0.0075
Bedload Sacks	0.0560	181.8	36.4	1.66	0.0076	0.0004
Load Sacks in OTRs	0.1161	10.4	581.6	1.66	0.0084	0.0010
Load Loose in OTRs	0.5149	10.4	552.1	1.66	0.0088	0.0045
Load OWCs	0.2960	10.4	234.6	1.66	0.0207	0.0061
Load Pallets	0.0070	13.3	539.7	1.66	0.0070	0.0000
Load Pallet Boxes	0.0100	13.3	657.6	1.66	0.0057	0.0001
Origin BMC						**0.1292**
Unload Bedload Sack	0.0560	186.2	36.4	1.78	0.0080	0.0004
Unload Sacks in OTR	0.1161	20.7	234.6	1.78	0.0112	0.0013
Unload loose in OTR	0.5149	20.7	552.1	1.78	0.0047	0.0024
Unload Other Wheeled Cont.	0.2960	20.7	234.6	1.78	0.0112	0.0033
Unload Pallet	0.0070	12.2	539.7	1.78	0.0082	0.0001
Unload Pallet Boxes	0.0100	12.2	657.6	1.78	0.0068	0.0001
Dump OTR of sacks	0.1161	6.5	234.6	1.48	0.0298	0.0035
Dump OTR of loose	0.5149	6.5	552.1	1.48	0.0126	0.0065
Dump Other Wheeled Cont.	0.2960	6.5	234.6	1.48	0.0298	0.0088
Dump Pallet	0.0070	6.5	539.7	1.48	0.0129	0.0001
Dump Pallet Boxes	0.0100	6.5	657.6	1.48	0.0106	0.0001
Sack Sorter	0.1721	420.0	36.4	2.08	0.0041	0.0007
Sack shakeout	0.1721	72.3	36.4	1.48	0.0172	0.0030
Primary PSM	1.0000	813.0	1.0	2.14	0.0801	0.0801
Sweep Runouts P.Pak	1.0000	5.4	657.6	1.48	0.0127	0.0127
Load Postal Pak	1.0000	13.3	657.6	1.78	0.0062	0.0062
Destination BMC						**0.2621**
Unload Postal Pak	1.0000	12.2	657.6	1.78	0.0068	0.0068
Dump Postal Pak	1.0000	6.5	657.6	1.48	0.0106	0.0106
Primary PSM	0.8335	813.0	1.0	2.14	0.0801	0.0668
Secondary PSM	0.9451			0.06	0.0634	0.0599
Sweep Runouts	0.7327	5.4	552.1	1.48	0.0151	0.0110
Sack and Tie	0.2673	125.4	1.0	1.48	0.3597	0.0962
Bedload Sacks	0.2384	181.8	36.4	1.78	0.0082	0.0020
Load OTRs w/ sacks	0.0289	10.4	581.6	1.78	0.0090	0.0003
Load OTRs w/ loose	0.6025	10.4	552.1	1.78	0.0095	0.0057
Load Hampers/OWC	0.1302	10.4	234.6	1.78	0.0223	0.0029
Destination SCF						**0.0213**
Unload Bedload Sacks	0.1593	153.5	36.4	1.66	0.0090	0.0014
Unload Sacks in OTR	0.0193	20.7	581.6	1.66	0.0042	0.0001
Unload loose in OTR	0.4026	20.7	552.1	1.66	0.0044	0.0018
Unload OWC	0.0870	20.7	234.6	1.66	0.0103	0.0009
Crossdock Bedload Sacks	0.1593	7.0	517.0	1.66	0.0139	0.0022
Crossdock Sacks in OTR	0.0193	7.0	581.6	1.66	0.0124	0.0002
Crossdock loose in OTR	0.4026	7.0	552.1	1.66	0.0130	0.0052
Crossdock OWC	0.0870	7.0	234.6	1.66	0.0306	0.0027
Bedload Sacks	0.1786	181.8	36.4	1.66	0.0076	0.0014
Load OTRs w/ loose	0.4026	10.4	552.1	1.66	0.0088	0.0035
Load Hampers/OWC	0.0870	10.4	234.6	1.66	0.0207	0.0018
Destination Delivery Unit						**0.0065**
Unload Bedload Sacks	0.1707	153.5	36.4	1.66	0.0090	0.0015
Unload loose in OTR	0.3849	20.7	552.1	1.66	0.0044	0.0017
Unload OWC	0.0832	20.7	234.6	1.66	0.0103	0.0009
Dump Sacks	0.1707	99.4	36.4	1.66	0.0139	0.0024

Model Cost	**$0.4388**
Model Weight[2]	**95.2%**
Wtd Modeled Cost	**$0.4179**

Sources

Column [1]: Page 3 of this attachment, mailflow arrival and dispatch profile.

Column [2]: Page 3 of this attachment, units per workhours.

Column [3]: Page 5 of this attachment, conversion factors.

Column [4]: Page 3 of this attachment, piggyback factors.

Column [5]: = (Wage rate * column [4]) / (column [2] * column [3]).

Column [6]: = Column [1] * column [5] .

[1] Unload containers cost at origin SCF uses the average cost of unloading containers at origin BMC as proxy.

[2] =(20/21) Assumption.

Average Cube of BPRS Parcels

Mailers	Average Cube (c.f.)	Average Weight (oz)	Average Weekly Volume	Weighting Factor [1]	Cube times Weighting Factor	Weight times Weighting Factor
Mailer 1	0.08	15.04	6,510	0.2706	0.0208	4.0702
Mailer 2	0.09	10.35	4,050	0.1684	0.0152	1.7425
Mailer 3	0.14	12.50	2,730	0.1135	0.0158	1.4186
Mailer 4	0.13	9.36	4,500	0.1871	0.0234	1.7510
Mailer 5	0.02	12.80	3,800	0.1580	0.0038	2.0220
Mailer 6	0.08	14.00	1,200	0.0499	0.0039	0.6984
Mailer 7	0.04	9.00	839	0.0349	0.0013	0.3140
Mailer 8	0.02	9.88	426	0.0177	0.0004	0.1750
			24,055		0.0845	12.1917

Weighted Average Cube (cubic feet)	**0.08**
Weighted Average Weight (oz.)	**12.2**

[1] Average Volume of each mailer divided by the total volume.

COLLECTION COSTS
BULK PARCEL RETURN SERVICE

STANDARD A SINGLE PIECE	FY 1998 Direct Attributable Costs [1]	Street Support Factor [2]	Wage Adjustment Factor (FY98-FY03) [3]	Piggyback Factors FY1998 [4]	Total Attributable Costs (FY 98) [5]
Window Acceptance Costs [1A]	1,065,000		1.224	1.450	$1,890,290
City Carrier Collection Costs **[1B]**					
SPR					
Load	84,401	1.326	1.258	1.382	$194,571
Time at Stop	158,696	1.326	1.258	1.382	$365,845
Access	674,560	1.326	1.258	1.382	$1,555,077
Letter					
Load	62,289	1.172	1.258	1.382	$126,938
Time at Stop	117,121	1.172	1.258	1.382	$238,680
Access	311,734	1.172	1.258	1.382	$635,280
Rural Carrier Collection Costs **[1C]**					
Evaluated Routes	179,967		1.210	1.241	$270,275
Other Routes	19,739		1.210	1.241	$29,644
Total Attributable Costs [6]					**$5,306,602**
Total Volume [7]					**150,276,000**
Cost Per Piece [8]					**$0.0353**

Sources

[1]: Docket R2000-1, USPS-T-11, BY 98 Single Piece Standard A Direct Costs.
[1A]: Docket R2000-2, USPS-T-1,1 Exhibit A (BY CRA), C/S 3.2.
[1B]: Elemental load costs, Docekt R2000-1, USPS-T-11, WP. B. workshet 7.0.3; columns 1,2,11,15 ,17, and 18.
[1C]: Rural carrier costs, Docket R2000-1, USPS-T-11 WP.B. worksheet 10.1.2 columns 8&9 and w/s 10.2.2 columns 8&9.
[2]: Street support factor.
[3]: FY 2001 wages/ FY 1998 wages. Calculated in Attachment H, page 4.
[4]: Docket No. R2000-1, USPS-T-21, Attachment 13, fy98 operation specific and cost pool piggyback factors.
[5]: For 1A and 1C = [1] * [3]* [4]. For 1B = [1] * [2] * [3] * [4].
[6]: [1A] + [1B] + [1C]
[7]: Docket No. R2000-1, USPS-T-11, Exhibit C, cost and revenue analysis, BY 1998.
[8]: [6] / [7].

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Estimation of Transportation Cost per Cubic Foot for BPRS

	[1]	[2]	[3]
	Cost per cubic foot per leg	Weighted Avg. No. of Legs	Cost per Cubic Foot.
Local Leg	$0.81	1.76	$1.42
Intermediate Leg	$0.94	1.59	$1.50
Long Distance Leg	$2.77	0.95	$2.63

Percent of Inter-BMC	0.952	1/
Percent of Intra-BMC	0.048	2/
Total Cost per cubic foot	$5.552	3/
Average Cube	0.08	4/
Total Cost of Transportation	**$0.469**	5/

Sources

Rows (1 & 2): Assumption (20/21 inter-BMC, 1/21 intra-BMC).
Row 3/: Sum of cost per cubic foot for all legs in column [3].
Row 4/: Average cube of BPRS parcels.
Row 5/: Row (3) * row (4).
Column [1]: Cost per c.f. per intra-BMC leg (Attachment H, page 4)* row(1) + cost per c.f. of inter-BMC (Attachment H, page 4)*row (2).
Column [2]: Attachment H, page 11, column 9.
Column [3]: Column [1] * column [2].

Calculation of Average Number of Legs Traveled by BPRS Parcels

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
		Mailer 1	**Mailer 2**	**Mailer 3**	**Mailer 4**	**Mailer 5**	**Mailer 6**	**Mailer 7**	**Mailer 8**	**Weighted Average**
Local		2	1	2	2	1	2	1	2	1.76
Intermediate		2	1	1	2	2	1	2	2	1.59
Long Distance		0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Weekly Volume	**1/**	6,510	4,050	2,730	4,500	3,800	1,200	839	426	
Average Cube	**2/**	0.08	0.09	0.14	0.13	0.02	0.08	0.04	0.02	
Total Cube	**3/**	501	365	379	563	91	93	32	9	
Weighting Factor	**4/**	0.2466	0.1794	0.1867	0.2769	0.0447	0.0458	0.0157	0.0042	

Sources

Column [1]: Travels complete transportation path.
Column [2]: Mail is delivered to the mailer directly from the BMC. Therefore, the BPRS parcels skip one leg of local transportation and one leg of intermediate transportation.
Column [3]: Mail is transported from the BMC directly to the AO. Assume parcel skips a leg equal to an intermediate leg of transportation.
Column [4]: Travels complete transportation path.
Column [5]: Mailer picks up at returns at P&DC. Mail skips one local leg of transportation.
Column [6]: Mail is transported from the BMC directly to the AO. Assume parcel skips a leg equal to an intermediate leg of transportation.
Column [7]: Mail is delivered to mailer from P&DC. Parcels skip one local leg of transportation.
Column [8]: Travels complete transportation path.
Column [9]: The sum of the number of legs for each mailer times the appropriate weighting factor.
Row 1/: Daily volume for each mailer times the number of days per week they receive mail.
Row 2/: Average cube of mail for each mailer.
Row 3/: Weekly volume * average cube.
Row 4/: Cube for each mailer divided by total cube.

Calculation of Delivery Costs for BPRS

	[1] Cost per Cubic Foot for Local Transportation Leg	[2] Average Cube of Parcels Delivered	[3] Cost per Delivery per Piece	[4] Weighting Factor	[5] Delivery Cost Times Weighting Factor
Mailer 1	0.81	0.08	$0.06	0.2706	0.0168
Mailer 2	0.81	0.09	$0.07	0.1684	0.0122
Mailer 3	0.81	0.00	$0.00	0.1135	0.0000
Mailer 4	0.81	0.13	$0.10	0.1871	0.0189
Mailer 5	0.81	0.00	$0.00	0.1580	0.0000
Mailer 6	0.81	0.00	$0.00	0.0499	0.0000
Mailer 7	0.81	0.04	$0.03	0.0349	0.0011
Mailer 8	0.81	0.00	$0.00	0.0177	0.0000

Delivery Cost	$0.0490

Sources

Column [1]: Cost per cubic foot of local leg of transportation. Attachment H, page 10, column 1.
Column [2]: Average cube of mailer.
Column [3]: Column [1] * column [2].
Column [4]: Weighting factor based on weekly volume.
Column [5]: Column [3] * column [4].

Postage Due - Summary of Costs

	[1]	[2]	[3]	[4]
	Total Postage Due	Weekly Volume	Weight	Weighted Postage Due
Mailer 1	$0.03	6,510	0.2706	0.0071
Mailer 2	$0.08	4,050	0.1684	0.0138
Mailer 3	$0.04	2,730	0.1135	0.0051
Mailer 4	$0.07	4,500	0.1871	0.0136
Mailer 5	$0.02	3,800	0.1580	0.0034
Mailer 6	$0.06	1,200	0.0499	0.0029
Mailer 7	$0.05	839	0.0349	0.0019
Mailer 8	$0.18	426	0.0177	0.0033
		24,055		

Modeled Postage Due Cost	**1/**	**$0.0510**

Sources

Column [1]: Total postage due as calculated on pages 14 through 21 of this attachment.
Column [2]: From page 8 of this attachment.
Column [3]: (Mailer$_i$ volume)/ (total volume).
Column [4]: Column [1] * column [3].
Row 1/: Sum of all rows in column [4].

Postage Due - Mailer 1

Total Postage Due Cost for Mailer 1	1/	$0.026

Cost of Sorting and Postage Due, Complex[1]		
1,085	Average daily volume of BPRS mail	2/
1,298	Average daily volume of total returns	3/
0.836	Percent of returns that are BPRS	4/
26.143	Average days a month returns are worked	5/
1.000	Average days a month do elaborate postage due	6/
3.000	Average hours spent sorting mail	7/
1.785	Average hours spent on postage due and worksheets	8/
0.096	Average hours per day on sorting BPRS spread over month	9/
0.057	Average hours per day on BPRS postage due spread over month	10/
$30.77	Wage rate	11/
1.458	Piggyback factor for sorting parcels	12/
1.457	Piggyback factor for calculating postage due	13/
$6.861	Cost of sorting and elaborate postage due	14/
$0.006	Cost per piece	15/
Cost of Postage Due, Simple [2]		
0.083	Hours per container (weigh)	16/
7.140	Average number of containers per day	17/
0.595	Average hours a day, on days do simple postage due	18/
25.143	Average days do simple postage per month	19/
14.960	Average hours a month do simple postage due	20/
0.572	Average hours a day, spread over all days in a month	21/
0.478	Average hours per day attributed to BPRS	22/
0.0004	Average hours per BPRS piece	23/
30.77	Wage rate	24/
1.457	Piggyback factor for calculating postage due	25/
$0.020	Cost per piece of simple postage due	26/
Cost of Audit		
N/A		

Sources

Row 1/: Row (15) + row (27).
Row 2/: Data collected from postal facility.
Row 3/: Data collected from postal facility.
Row 4/: Row (2) / row (3).
Row 5/: Work mail 6 out of 7 days a week, assume 30.5 days a month on average =((6/7)*30.5).
Row 6/: Sort mail and calculate complex postage due one day out of the month.
Row 7/: Data collected from postal facility, 3 hours to sort.
Row 8/: Data collected from postal facility, 15 minutes per container.
Row 9/: Row (8) / row (5) * row (4).
Row 10/: Row (8) / row (5) * row (4).
Row 11/: Page 4 of this attachment.
Row 12/: Page 4 of this attachment.
Row 13/: Page 4 of this attachment.
Row 14/: Row (9) * row (11) * row (12) + row (10) * row (11) * row (13).
Row 15/: Row (14) / row (2).
Row 16/: Data collected from postal facility - 5 minutes per container.
Row 17/: Data collected from postal facility.
Row 18/: Row (16) * row (17).
Row 19/: Row (5) - row (6).
Row 20/: Row (18) * row (19).
Row 21/: Row (20) / row (5).
Row 22/: Row (22) * row (4).
Row 23/: Row (22) / row (2).
Row 24/: Page 4 of this attachment.
Row 25/: Page 4 of this attachment.
Row 26/: Row (23) *row (24) * row (25).

[1] One day of the month, mail is sorted and postage due is calculated.
[2] Other days of month a weighted factor is used to estimate postage due.

Postage Due - Mailer 2

Total Postage Due Cost for Mailer 2	1/	$0.082

Cost of Sorting		
810	Average daily volume of BPRS (5 days a week)	2/
46	Average hours per week sorting for all returns	3/
9.200	Average hours per day sorting for all returns	4/
0.500	Percent of returns that are BPRS	5/
0.250	Percent of time to sort BPRS versus other returns	6/
1.150	Average daily hours allocated to sorting BPRS	7/
0.001	Average hours per piece	8/
$30.77	Wage rate	9/
1.458	Piggyback factor for sorting parcels	10/
$0.064	Cost per piece of sorting	11/
Cost of Calculating Postage Due		
N/A		
Cost of Auditing		
0.333	Average hours per day	12/
810	Average pieces per day	13/
0.000	Average hours per piece	14/
$30.77	Wage rate (clerk)	15/
1.457	Piggyback factor for auditing	16/
$0.018	Cost per piece of auditing	17/

Sources

Row 1/: Row (11) + row (17).
Row 2/: Data collected from postal facility.
Row 3/: Data collected from postal facility.
Row 4/: Row (3) / (5 days a week).
Row 5/: Estimate made by clerk.
Row 6/: Assumption made by observing operation, all other returns must be weighed and postage must be calculated.
Row 7/: Row (4) * row (5) * row (6).
Row 8/: Row (7) / row (2).
Row 9:/ Page 4 of this attachment.
Row 10/: Page 4 of this attachment.
Row 11/: Row (8) * row (9) * row (10).
Row 12/: Estimate from BMEU clerk (20 minutes).
Row 13/: Data collected from BMEU clerk.
Row 14/: Row (12) / (13).
Row 15/: Page 4 of this attachment.
Row 16/: Page 4 of this attachment.
Row 17/: (14) * (15) * (16).

Postage Due - Mailer 3

Total Postage Due Cost for Mailer 3	1/	$0.045

Cost of Sorting		
455	Average daily volume of BPRS	2/
5.500	Average hours per day sorting for all returns	3/
0.260	Percent of returns that are BPRS	4/
0.250	Percent of time to sort BPRS versus other returns	5/
0.358	Average daily hours allocated to sorting BPRS	6/
0.001	Average hours per piece	7/
$30.77	Wage rate	8/
1.458	Piggyback factor for sorting parcels	9/
$0.035	Cost per piece of sorting	10/
Cost of Calculating Postage Due		
N/A		
Cost of Auditing		
0.083	Average hours per day to sample	11/
0.014	Average hours per day to check list	12/
0.097	Total hours per day in auditing	13/
0.0002	Average hours per piece	14/
$30.77	Wage rate	15/
1.457	Piggyback factor for auditing	16/
$0.010	Cost per piece of auditing	17/

Sources

Row 1/: Row (10) + row (17).
Row 2/: Data collected from postal facility.
Row 3/: Estimate of clerk at postal facility.
Row 4/: Data collected from postal facility.
Row 5/: Assumption from observation.
Row 6/: Row (3) * row (4) * row (5).
Row 7/: Row (6) / row (2).
Row 8/: Page 4 of this attachment.
Row 9/: Page 4of this attachment.
Row 10/: Row (7) * row (8) * row (10).
Row 11/: Estimate of clerk at postal facility (5 minutes a per day).
Row 12/: Estimate of clerk at postal facility (5 minutes per week divided by 6 days a week).
Row 13/: Row (11) + row (12).
Row 13/: Row (13) / row (2).
Row 15/: Page 4 of this attachment.
Row 16/: Page 4 of this attachment.
Row 17/: (14) * (15) * (16).

Postage Due - Mailer 4

Total Postage Due Cost for Mailer 4	**1/**	$0.073

Cost of Sorting		
900	Average daily volume of BPRS	2/
1.500	Average hours per day sorting for all returns	3/
0.750	Percent of time to sort BPRS versus other returns	4/
1.125	Average daily hours allocated to sorting BPRS	5/
0.001	Average hours per piece	6/
$30.77	Wage rate	7/
1.458	Piggyback factor for sorting parcels	8/
$0.056	Cost per piece of sorting	9/
Cost of Calculating Postage Due		
0.25	Hours for weighing (per day)	10/
0.08	Estimate of additional hours for paperwork (per day)	11/
0.33	Total hours	12/
0.0004	Hours per piece	13/
$30.77	Wage rate	14/
1.457	Piggyback factor for calculating postage due	15/
$0.017	Cost per piece of calculating postage due	16/
Cost of Auditing		
N/A		

Sources:

Row 1/: Row (9) + row (16).
Row 2/: Data collected from postal facility.
Row 3/: Data collected from postal facility (3 people, 30 minutes).
Row 4/: Estimate of postal clerk.
Row 5/: Row (3) * row (4).
Row 6/: Row (5) / (2).
Row 7/: Page 4 of this attachment .
Row 8/: Page 4 of this attachment.
Row 9/: Row (6) * row (7) * row (8).
Row 10/: Data collected from postal facility.
Row 11/: Data collected from postal facility.
Row 12/: Row (10) + row (11).
Row 13/: Row (12) / row (2).
Row 14/: Page 4 of this attachment.
Row 15/: Page 4 of this attachment.
Row 16/: Row (13) * row (14) * row (15) .

Postage Due - Mailer 5

Total Postage Due Cost for Mailer 5	**1/**	$0.022

Cost of Sorting		
760	Average daily volume of BPRS	2/
0.333	Average hours per day sorting BPRS	3/
0.0004	Average hours per piece	4/
$30.77	Wage rate	5/
1.458	Piggyback factor for sorting parcels	6/
$0.020	Cost per piece of sorting	7/
Cost of Calculating Postage Due		
N/A		
Cost of Auditing		
0.033	Hours per week	8/
0.00004	Hours per piece	9/
$30.77	Wage rate	10/
1.457	Piggyback factor for auditing	11/
$0.002	Cost per piece of auditing	12/

Sources

Row 1/: Row (7) + (13).
Row 2/: Data collected from postal facility (800 to 900 returns four days a week, 400 returns one day a week).
Row 3/: Data collected from postal facility (20 minutes).
Row 4/: Row (3) / row (2).
Row 5/: Page 4 of this attachment.
Row 6/: Page 4 of this attachment.
Row 7/: Row (4) * Row (5) * Row (6).
Row 8/: Data collected from postal facility (10 minutes once a week).
Row 9/: Row (8) / row (1).
Row 10/: Page 4 of this attachment.
Row 11/: Page 4 of this attachment.
Row 12/: Row (9) * row (10) * row (11).

Postage Due - Mailer 6

Total Postage Due Cost for Mailer 6	**1/**	$0.058

Cost of Sorting

200	Average daily volume of BPRS	2/
1.500	Average hours per day sorting for all returns	3/
0.500	Percent of returns that are BPRS	4/
0.250	Percent of time to sort BPRS versus other returns	5/
0.188	Average daily hours allocated to sorting BPRS	6/
0.001	Average hours per piece	7/
$30.77	Wage rate	8/
1.458	Piggyback factor for sorting parcels	9/
$0.042	Cost per piece of sorting	10/

Cost of Calculating Postage Due

N/A

Cost of Auditing

0.069	Average hours per day	11/
0.0003	Average hours per piece	12/
$30.77	Wage rate	13/
1.457	Piggyback factor for auditing	14/
$0.016	Cost per piece of auditing	15/

Sources

Row 1/: Row (10) + row (15).
Row 2/: Data collected from the clerk at postal facility.
Row 3/: Data collected from the clerk at postal facility.
Row 4/: Estimate of clerk at postal facility.
Row 5/: Assumption made by observing operation, all other returns must be weighed and postage must be calculated.
Row 6/: Row (3) * row (4) * row (5).
Row 7/: Row (6) / row (2).
Row 8/: Page 4 of this attachment.
Row 9/: Page 4 of this attachment.
Row 10/: Row (7) * row (8) * row (9).
Row 11/: Estimate of clerk at postal facility (10 minutes, 2.5 times a week).
Row 12/: Row (11) / row (2).
Row 13/: Page 4 of this attachment.
Row 14/: Page 4of this attachment.
Row 15/: Row (12) * row (13) * row (14).

Postage Due - Mailer 7

Total Postage Due Cost for Mailer 7	1/	$0.053

Cost of Sorting		
420	Average daily volume of BRRS	2/
0.333	Average hours per day sorting BPRS	3/
0.001	Average hours per piece	4/
$30.77	Wage rate	5/
1.458	Piggyback factor for sorting parcels	6/
$0.036	Cost per piece of sorting	7/
Cost of Calculating Postage Due		
N/A		
Cost of Auditing		
0.167	Hours spend auditing, on days receive mail	8/
0.0004	Average hours per piece	9/
$30.77	Wage rate (clerk)	10/
1.457	Piggyback factor for auditing	11/
$0.018	Cost per piece of auditing	12/

Sources

Row 1/: Row (7) + row (12).
Row 2/: Data collected from postal facility (3567 pieces per month/ 8.5 days a month).
Row 3/: Data collected from clerk from postal facility, 20 minutes.
Row 4/: Row (3) / row (2).
Row 5/: Page 4 of this attachment.
Row 6/: Page 4 of this attachment.
Row 7/: Row (4) * row (5) * row (6).
Row 8/: Data collected at postal facility. (5 minutes each day, 10 minutes once a week)
Row 9/: Row (8) / row (2).
Row 10/: Page 4 of this attachment.
Row 11/: Page 4 of this attachment.
Row 12/: Row (9) * row (10) * row (11).

Postage Due - Mailer 8

Total Postage Due Cost for Mailer 8	**1/**	**$0.184**

Cost of Sorting		
71	Average daily volume of BPRS	2/
0.500	Average hours per day sorting for all returns	3/
0.250	Percent of returns that are BPRS	4/
0.125	Average daily hours allocated to sorting BPRS	5/
0.002	Average hours per piece	6/
$30.77	Wage rate	7/
1.458	Piggyback factor for sorting parcels	8/
$0.079	Cost per piece of sorting	9/
Cost of Calculating Postage Due		
0.167	Average hours for postage due	10/
0.002	Average hours per piece	11/
$30.77	Wage rate	12/
1.457	Piggyback factor for calculating postage due	13/
$0.105	Cost per piece of postage due	14/
Cost of Auditing		
N/A		

Sources

Row 1/: Row (9) + row (14).
Row 2/: Data collected from postal facility.
Row 3/: Data collected from postal facility (30 minutes to sort).
Row 4/: Data collected from postal facility.
Row 5/: Row (3) * row (4).
Row 6/: Row (5) / row (2).
Row 7/: Page 4 of this attachment.
Row 8/: Page 4 of this attachment.
Row 9/: Row (6) * row (7) * row (8)
Row 10/: Data collected at postal facility (10 minutes)
Row 11/: Row (10) / row (2).
Row 12/: Page 4 of this attachment.
Row 13/: Page 4 of this attachment.
Row 14/: Row (11) * row (12) * row (13).

Attachment I

Volume Forecast (Millions)
Source: USPS-T-7

	GFY 2000	GFY 2001	GFY 2002	Before Rates GFY 2003	After Rates GFY 2003
FIRST-CLASS					
First-Class Letters & Flats	98,045.007	97,532.537	98,002.718	99,198.602	**98,187.484**
Single-Piece	52,369.535	50,952.604	49,251.920	47,899.389	46,865.402
Workshared	45,675.472	46,579.933	48,750.799	51,299.213	51,322.082
(Nonautomated Presort)	4,422.981	3,725.435	3,577.057	3,679.940	3,579.306
(Automated)	41,252.491	42,854.498	45,173.742	47,619.273	47,742.776
(Basic Letters)	5,185.503	5,375.912	5,642.243	5,939.468	5,940.823
Auto Mixed AADC Presort Letters	2,504.598	2,596.565	2,725.203	2,868.763	2,869.417
Auto AADC Presort Letters	2,680.905	2,779.346	2,917.040	3,070.705	3,071.405
(Basic Flats)	70.631	93.776	116.570	126.139	141.271
Auto Mixed AADC Presort Flats	45.995	61.067	75.910	82.142	91.996
Auto AADC Presort Flats	24.636	32.709	40.660	43.997	49.275
(3-Digit Letters)	21,832.339	22,296.639	23,435.232	24,614.610	24,694.572
(3-Digit Flats)	40.211	54.894	56.459	58.502	63.130
(5-Digit Letters)	12,720.447	13,608.415	14,511.758	15,491.801	15,517.542
(5-Digit Flats)	328.025	447.798	460.568	477.227	514.987
(Carrier-Route Letters)	1,075.333	977.064	950.912	911.527	870.451
First-Class Cards	5,480.706	5,468.860	5,489.897	5,633.776	5,266.679
Stamped Cards	196.120	210.932	179.205	182.342	170.412
Private Cards	5,284.585	5,257.929	5,310.691	5,451.434	5,096.267
Single-Piece Cards	2,523.178	2,477.585	2,479.306	2,520.666	2,454.000
Workshared Cards	2,761.407	2,780.344	2,831.385	2,930.767	2,642.267
(Nonauto Presort Cards)	688.129	484.513	462.957	424.530	216.053
(Automated Cards)	2,073.278	2,295.830	2,368.428	2,506.237	2,426.214
(Basic)	461.677	472.007	493.808	515.453	488.549
Auto Mixed AADC Presort Cards	222.990	227.980	238.509	248.964	235.969
Auto AADC Presort Cards	238.687	244.028	255.299	266.489	252.580
(3-Digit)	913.723	1,019.170	1,089.285	1,167.852	1,159.708
(5-Digit)	609.484	729.488	720.128	767.125	726.357
(Carrier-Route)	88.394	75.165	65.207	55.808	51.601
Total First-Class Mail	103,525.713	103,001.397	103,492.615	104,832.378	103,454
PRIORITY MAIL	1,222.454	1,162.477	1,186.878	1,257.064	1,178.757
Nonpresort		1,160.045	1,168.951	1,238.076	1,160.856
Presort		2.432	17.927	18.988	17.901
ADC		0.811	5.976	6.329	5.967
3-digit		0.811	5.976	6.329	5.967
5-digit		0.811	5.976	6.329	5.967
STANDARD MAIL					
Regular Rate Bulk	90,057.147	90,554.249	92,300.721	97,494.143	95,541.195
Regular	54,356.510	55,878.588	56,757.609	60,367.839	59,179.108
Nonautomated	8,788.925	7,558.924	6,718.849	6,645.071	6,327.525
(Basic Letters)	2,138.351	1,875.563	1,921.019	1,984.520	1,941.459
(Basic Nonletters)	1,072.621	928.219	935.520	961.555	939.776
(Presort Letters)	3,660.299	2,932.442	2,172.577	2,058.121	1,852.135
(Presort Nonletters)	1,917.654	1,822.700	1,689.733	1,640.876	1,594.156
Automated	45,567.585	48,319.664	50,038.760	53,722.768	52,851.583
(Basic Letters)	5,230.440	5,293.710	5,460.957	5,817.729	5,713.872
Auto Mixed AADC Presort Letters	2,354.936	2,383.422	2,458.723	2,619.355	2,572.595
Auto AADC Presort Letters	2,875.504	2,910.287	3,002.234	3,198.374	3,141.277
(3-Digit Letters)	15,600.802	16,380.638	16,925.100	17,756.214	17,602.813
(5-Digit Letters)	11,222.414	13,329.639	13,909.143	15,306.263	15,049.561
(Basic Flats)	424.818	464.815	499.182	563.457	552.987
(3/5-Digit Flats)	13,089.111	12,850.863	13,244.378	14,279.104	13,932.349
PACKAGE SERVICES					
Parcel Post	324.167	352.695	378.991	405.634	371.533
NonDestination Entry	79.892	90.458	76.783	69.498	56.848
Inter-BMC	47.686	54.200	47.017	42.557	34.918
Intra-BMC	32.206	36.259	29.766	26.941	21.930
Destination Entry	244.275	262.237	302.207	336.136	314.684
DBMC	201.341	181.184	201.573	220.682	201.075
DSCF	4.868	5.915	8.222	9.525	9.264
DDU	38.067	75.137	92.413	105.929	104.345
For After-Rates Only					
DBMC mach					189.011
DBMC NMO					6.931
DBMC over					0.279
DSCF 3-dig NMO					4.854

Piggyback Factors

	Mail Processing	Window Service	City Carriers	Vehicle Service Drivers	Rural Carriers
Final Adustment Version [1]					
First-Class Presort	1.200	1.128	1.107	1.147	1.037
First-Class Presort Cards	1.190	1.128	1.108	1.151	1.038
Priority	1.108				
Standard A Regular	1.182	1.128	1.106	1.147	1.037
Parcel Post	1.159	1.129	1.125	1.141	1.037
Special Studies Version [2]					
First-Class Presort	1.622	1.465	1.363	1.536	1.244
First-Class Presort Cards	1.588	1.464	1.368	1.542	1.245
Priority	1.472				
Standard A Regular	1.590	1.464	1.360	1.539	1.244
Parcel Post	1.579	1.465	1.423	1.516	1.243
Ratio [3]					
First-Class Presort	0.740	0.770	0.812	0.747	0.834
First-Class Presort Cards	0.749	0.770	0.810	0.746	0.834
Priority	0.753				
Standard A Regular	0.743	0.770	0.813	0.745	0.834
Parcel Post	0.734	0.771	0.791	0.753	0.834

Sources

[1]: USPS-T-15, Attachment 11.
[2]: USPS-T-15, Attachment 10.
[3]: [1] / [2].

Costs from RollForward (USPS-T-12).

	GFY 2000	GFY 2001	GFY 2002	GFY 2003 Before Rates	GFY 2003 After Rates
MAIL PROCESSING (C/S 3.1)					
First-Class					
Presort Letters	1,362,861	1,413,210	1,498,203	1,584,664	1,584,244
Presort Cards	37,452	38,708	40,406	42,171	37,995
Priority Mail	747,955	884,297	987,460	1,076,439	1,008,994
Standard Mail					
Regular	2,689,268	2,798,332	2,847,845	3,061,751	2,999,430
Packages Services					
Parcel Post	289,361	325,765	357,708	393,054	359,821
WINDOW SERVICE (C/S 3.2)					
First-Class					
Presort Letters	27,161	28,839	31,189	33,959	33,963
Presort Cards	1,168	1,224	1,287	1,378	1,242
Standard Mail					
Regular	47,709	51,062	53,592	58,980	57,801
Packages Services					
Parcel Post	6,938	7,859	8,727	9,665	8,849
CITY CARRIER (C/S 6 & 7)					
First-Class					
Presort Letters	1,014,879	1,089,067	1,190,254	1,296,033	1,298,390
Presort Cards	37,458	39,656	42,185	45,143	40,809
Standard Mail					
Regular	1,463,976	1,588,765	1,685,974	1,856,646	1,821,275
Packages Services					
Parcel Post	55,293	64,520	72,516	80,127	73,856
VEHICLE SERVICE DRIVER (C/S 8)					
First-Class					
Presort Letters	20,420	21,855	23,738	25,903	25,914
Presort Cards	288	304	321	345	311
Standard Mail					
Regular	55,759	60,159	63,414	69,942	68,565
Packages Services					
Parcel Post	49,498	56,521	63,030	69,955	64,074
RURAL CARRIER (C/S 10)					
First-Class					
Presort Letters	264,217	284,146	308,409	335,804	335,943
Presort Cards	12,435	13,023	13,944	14,935	13,465
Standard Mail					
Regular	492,085	533,455	561,927	618,432	606,234
Packages Services					
Parcel Post	22,040	25,287	28,181	31,210	28,585
TRANSPORTATION (C/S 14)					
First-Class					
Presort Letters	423,126	432,607	384,572	395,593	395,563
Presort Cards	6,208	6,349	5,974	6,131	5,522
Standard Mail					
Regular	408,240	432,086	439,805	467,691	458,268
Air/Water				36,922	
Highway/Rail				430,769	
Packages Services					
Parcel Post	297,601	338,714	361,656	387,206	354,485

	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volulmes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment	FY2003 Before Rates Volumes (000s)	TY Unit Costs From Cost Models
First-Class Presort	45,675,472	$0.036	46,579,933	$0.036	$0.03641	$0.03541	($46,416)	48,750,799	$0.037	$0.03688	$0.03535	($74,572)	51,299,213	n/a
Non-auto Presort	4,422,981	$0.112	3,725,435	$0.114				3,677,057	$0.115				3,679,940	$0.155
Auto Basic Letters	5,185,503	$0.032	5,375,912	$0.033				5,642,243	$0.033				5,939,468	n/a
Auto Mixed AADC Presort Letters	2,504,598	n/a	2,596,565	n/a				2,725,203	n/a				2,868,763	$0.049
Auto AADC Presort Letters	2,680,905	n/a	2,779,346	n/a				2,917,040	n/a				3,070,705	$0.041
Auto 3-digit Presort Letters	21,832,339	$0.028	22,296,639	$0.028				23,435,232	$0.029				24,614,610	$0.039
Auto 5-digit Presort Letters	12,720,447	$0.021	13,608,415	$0.021				14,511,758	$0.022				15,491,801	$0.029
Auto Carrier Route Presort Letters	1,075,333	$0.014	977,064	$0.015				950,912	$0.015				911,527	$0.020
Auto Basic Flats	70,631	$0.272	93,776	$0.276				116,570	$0.280				126,139	n/a
Auto Mixed AADC Presort Flats	45,995	n/a	61,067	n/a				75,910	n/a				82,142	$0.407
Auto AADC Presort Flats	24,636	n/a	32,709	n/a				40,660	n/a				43,997	$0.318
Auto 3-digit Presort Flats	40,211	$0.227	54,894	$0.231				56,459	$0.234				58,502	$0.314
Auto 5-digit Presort Flats	328,025	$0.157	447,798	$0.160				460,568	$0.162				477,227	$0.217
First-Class Presort Cards	2,761,407	$0.016	2,780,344	$0.017	$0.01657	$0.01584	($2,024)	2,831,385	$0.017	$0.01698	$0.01621	($2,173)	2,930,767	n/a
Non-auto Presort	688,129	$0.023	484,513	$0.023				462,957	$0.024				424,530	$0.032
Auto Basic	461,677	$0.017	472,007	$0.018				493,808	$0.018				515,453	n/a
Auto Mixed AADC Presort Cards	222,990	n/a	227,980	n/a				238,509	n/a				248,964	$0.026
Auto AADC Presort Cards	238,687	n/a	244,028	n/a				255,299	n/a				266,489	$0.022
Auto 3-digit Presort	913,723	$0.015	1,019,170	$0.015				1,089,285	$0.016				1,167,852	$0.021
Auto 5-digit Presort	609,484	$0.011	729,488	$0.012				720,128	$0.012				767,125	$0.016
Auto Carrier Route Presort	88,394	$0.008	75,165	$0.008				65,207	$0.008				55,808	$0.011
Priority Mail	1,222,454	$0.678	1,162,477	$0.843	$0.84286	$0.84241	($514)	1,186,878	$0.922	$0.92184	$0.91835	($4,141)	1,257,064	
Unpresorted	0		1,160,045	$0.843				1,168,951	$0.922				1,238,076	(Cost Savings)
ADC Presort	0		811	$0.703				5,976	$0.769				6,329	-$0.209
3-digit Presort	0		811	$0.654				5,976	$0.715				6,329	-$0.283
5-digit Presort	0		811	$0.538				5,976	$0.589				6,329	-$0.455
Standard Mail	54,356,510	$0.058	55,878,588	$0.059	$0.05919	$0.05637	($157,667)	56,757,609	$0.059	$0.05931	$0.05559	($210,860)	60,367,839	n/a
Non-auto Basic Presort Letters	2,138,351	$0.106	1,875,563	$0.108				1,921,019	$0.108				1,984,520	$0.134
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.095	2,932,442	$0.096				2,172,577	$0.097				2,058,121	$0.120
Non-auto basic presort Flats	1,072,621	$0.156	928,219	$0.158				935,520	$0.158				961,555	$0.197
Non-auto 3/5 digit Presort Flats	1,917,654	$0.102	1,822,700	$0.103				1,689,733	$0.103				1,640,876	$0.128
Auto Basic Presort Letters	5,230,440	$0.037	5,293,710	$0.037				5,460,957	$0.037				5,817,729	n/a
Auto Mixed AADC Presort Letters	2,354,936	n/a	2,383,422	n/a				2,458,723	n/a				2,619,355	$0.050
Auto AADC Presort Letters	2,875,504	n/a	2,910,287	n/a				3,002,234	n/a				3,198,374	$0.043
Auto 3-digit Presort Letters	15,600,802	$0.032	16,380,638	$0.032				16,925,100	$0.032				17,756,214	$0.040
Auto 5-digit Presort Letters	11,222,414	$0.025	13,329,639	$0.025				13,909,143	$0.025				15,306,263	$0.031
Auto Basic Presort Flats	424,818	$0.140	464,815	$0.142				499,182	$0.142				563,457	$0.177
Auto 3/5 Digit Presort Flats	13,089,111	$0.093	12,850,863	$0.094				13,244,378	$0.094				14,279,104	$0.117
Parcel Post	324,167	$1.035	352,695	$1.071	$1.07050	[redacted]	[redacted]	378,991	$1.094	$1.09392	[redacted]	[redacted]	405,634	n/a
Inter-BMC	47,686	[redacted]	54,200	[redacted]				47,017	[redacted]				42,557	[redacted]
Intra-BMC	32,206	[redacted]	36,259	[redacted]				29,766	[redacted]				26,941	[redacted]
DBMC	201,341	[redacted]	181,184	[redacted]				201,573	[redacted]				220,682	[redacted]
DSCF	4,868	[redacted]	5,915	[redacted]				8,222	[redacted]				9,525	[redacted]
DDU	38,067	[redacted]	75,137	[redacted]				92,413	[redacted]				105,929	[redacted]
For AfterRates Only														
DBMC mach														[redacted]
DBMC NMO														
DBMC over														
DSCF 3-dig NMO														

	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volumes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment	FY2003 Before Rates Volumes (000s)	TY Unit Costs From Cost Models
First-Class Presort	45,675,472	$0.036	46,579,933	$0.036	$0.03641	$0.03541	($46,416)	48,750,799	$0.037	$0.03688	$0.03535	($74,572)	51,299,213	n/a
Non-auto Presort	4,422,981	$0.112	3,725,435	$0.114				3,577,057	$0.115				3,679,940	$0.155
Auto Basic Letters	5,185,503	$0.032	5,375,912	$0.033				5,642,243	$0.033				5,939,468	n/a
Auto Mixed AADC Presort Letters	2,504,598	n/a	2,596,565	n/a				2,725,203	n/a				2,868,763	$0.049
Auto AADC Presort Letters	2,680,905	n/a	2,779,346	n/a				2,917,040	n/a				3,070,705	$0.041
Auto 3-digit Presort Letters	21,832,339	$0.028	22,296,639	$0.028				23,435,232	$0.029				24,614,610	$0.039
Auto 5-digit Presort Letters	12,720,447	$0.021	13,608,415	$0.021				14,511,758	$0.022				15,491,801	$0.029
Auto Carrier Route Presort Letters	1,075,333	$0.014	977,064	$0.015				950,912	$0.015				911,527	$0.020
Auto Basic Flats	70,631	$0.272	93,776	$0.276				116,570	$0.280				126,139	n/a
Auto Mixed AADC Presort Flats	45,995	n/a	61,067	n/a				75,910	n/a				82,142	$0.407
Auto AADC Presort Flats	24,636	n/a	32,709	n/a				40,660	n/a				43,997	$0.318
Auto 3-digit Presort Flats	40,211	$0.227	54,694	$0.231				56,459	$0.234				58,502	$0.314
Auto 5-digit Presort Flats	328,025	$0.157	447,798	$0.160				460,568	$0.162				477,227	$0.217
First-Class Presort Cards	2,761,407	$0.016	2,780,344	$0.017	$0.01657	$0.01584	($2,024)	2,831,385	$0.017	$0.01698	$0.01621	($2,173)	2,930,767	n/a
Non-auto Presort	688,129	$0.023	484,513	$0.023				462,957	$0.024				424,530	$0.032
Auto Basic	461,677	$0.017	472,007	$0.018				493,808	$0.018				515,453	n/a
Auto Mixed AADC Presort Cards	222,990	n/a	227,980	n/a				238,509	n/a				248,964	$0.026
Auto AADC Presort Cards	238,687	n/a	244,028	n/a				255,299	n/a				266,489	$0.022
Auto 3-digit Presort	913,723	$0.015	1,019,170	$0.015				1,089,285	$0.016				1,167,852	$0.021
Auto 5-digit Presort	609,484	$0.011	729,488	$0.012				720,128	$0.012				767,125	$0.016
Auto Carrier Route Presort	88,394	$0.008	75,165	$0.008				65,207	$0.008				55,808	$0.011
Priority Mail	1,222,454	$0.678	1,162,477	$0.843	$0.84286	$0.84241	($514)	1,186,878	$0.922	$0.92184	$0.91835	($4,141)	1,257,064	
Unpresorted	0		1,160,045	$0.843				1,168,951	$0.922				1,238,076	[redacted]
ADC Presort	0		811	$0.703				5,976	$0.769				6,329	[redacted]
3-digit Presort	0		811	$0.654				5,976	$0.715				6,329	[redacted]
5-digit Presort	0		811	$0.538				5,976	$0.589				6,329	[redacted]
Standard Mail	54,356,510	$0.058	55,878,588	$0.059	$0.05919	$0.05637	($157,667)	56,757,609	$0.059	$0.05931	$0.05559	($210,860)	60,367,839	n/a
Non-auto Basic Presort Letters	2,138,351	$0.106	1,875,563	$0.108				1,921,019	$0.108				1,984,520	$0.134
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.095	2,932,442	$0.096				2,172,577	$0.097				2,058,121	$0.120
Non-auto basic presort Flats	1,072,621	$0.156	928,219	$0.158				936,520	$0.158				961,555	$0.197
Non-auto 3/5 digit Presort Flats	1,917,654	$0.102	1,822,700	$0.103				1,689,733	$0.103				1,640,876	$0.128
Auto Basic Presort Letters	5,230,440	$0.037	5,293,710	$0.037				5,460,957	$0.037				5,817,729	n/a
Auto Mixed AADC Presort Letters	2,354,936	n/a	2,383,422	n/a				2,458,723	n/a				2,619,355	$0.050
Auto AADC Presort Letters	2,875,504	n/a	2,910,287	n/a				3,002,234	n/a				3,198,374	$0.043
Auto 3-digit Presort Letters	15,600,802	$0.032	16,380,638	$0.032				16,925,100	$0.032				17,756,214	$0.040
Auto 5-digit Presort Letters	11,222,414	$0.025	13,329,639	$0.025				13,909,143	$0.025				15,306,263	$0.031
Auto Basic Presort Flats	424,818	$0.140	464,615	$0.142				499,182	$0.142				563,457	$0.177
Auto 3/5 Digit Presort Flats	13,089,111	$0.093	12,850,863	$0.094				13,244,378	$0.094				14,279,104	$0.117
Parcel Post	324,167	$1.035	352,695	$1.071	$1.07050	$1.00363	($23,587)	378,991	$1.094	$1.09392	$0.96205	($49,975)	405,634	n/a
Inter-BMC	47,686	$1.763	54,200	$1.825				47,017	$1.865				42,557	$2.712
Intra-BMC	32,206	$1.432	36,259	$1.482				29,766	$1.515				26,941	$2.203
DBMC	201,341	$0.964	181,184	$0.998				201,573	$1.020				220,682	$1.483
DSCF	4,868	$0.501	5,915	$0.518				8,222	$0.529				9,525	$0.770
DDU	38,067	$0.225	75,137	$0.233				92,413	$0.238				105,929	$0.346
For AfterRates Only														
DBMC mach														$1.363
DBMC NMO														$3.277
DBMC over														$6.473
DSCF 3-dig NMO														$1.864

Mail Processing

	TY unit Costs adjusted for Final Adjustments Piggyback Factor	Unit Cost Estimates Ratioed to TYBR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYBR Volume Mix	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix
First-Class Presort	$0.037	$0.037	$0.03707	$0.03538	($86,802)	51,322,082	$0.037	$0.03704	$0.03538
Non-auto Presort	$0.115	$0.116				3,579,306	$0.116		
Auto Basic Letters	$0.033	$0.034				5,940,823	$0.034		
Auto Mixed AADC Presort Letters	n/a	n/a				2,869,417	n/a		
Auto AADC Presort Letters	n/a	n/a				3,071,405	n/a		
Auto 3-digit Presort Letters	$0.029	$0.029				24,694,572	$0.029		
Auto 5-digit Presort Letters	$0.022	$0.022				15,517,542	$0.022		
Auto Carrier Route Presort Letters	$0.015	$0.015				870,451	$0.015		
Auto Basic Flats	$0.278	$0.281				141,271	$0.281		
Auto Mixed AADC Presort Flats	n/a	n/a				91,996	n/a		
Auto AADC Presort Flats	n/a	n/a				49,275	n/a		
Auto 3-digit Presort Flats	$0.232	$0.235				63,130	$0.235		
Auto 5-digit Presort Flats	$0.161	$0.163				514,987	$0.163		
First-Class Presort Cards	$0.017	$0.017	$0.01712	$0.01620	($2,719)	2,642,267	$0.017	$0.01711	$0.01561
Non-auto Presort	$0.024	$0.024				216,053	$0.024		
Auto Basic	$0.018	$0.018				488,549	$0.018		
Auto Mixed AADC Presort Cards	n/a	n/a				235,969	n/a		
Auto AADC Presort Cards	n/a	n/a				252,580	n/a		
Auto 3-digit Presort	$0.016	$0.016				1,159,708	$0.016		
Auto 5-digit Presort	$0.012	$0.012				726,357	$0.012		
Auto Carrier Route Presort	$0.008	$0.008				51,601	$0.008		
Priority Mail		$0.949	$0.94879	$0.94520	($4,514)	1,178,757	$0.948	$0.94843	$0.94482
Unpresorted	(Cost Savings)	$0.949				1,160,856	$0.948		
ADC Presort	-$0.157	$0.791				5,967	$0.791		
3-digit Presort	-$0.213	$0.736				5,967	$0.736		
5-digit Presort	-$0.343	$0.606				5,967	$0.606		
Standard Mail	$0.055	$0.060	$0.05995	$0.05579	($251,229)	59,179,108	$0.060	$0.05991	$0.05547
Non-auto Basic Presort Letters	$0.100	$0.109		-$0.00416		1,941,459	$0.109		
Non-auto 3/5 Digit Presort Letters	$0.089	$0.098				1,852,135	$0.098		
Non-auto basic presort Flats	$0.146	$0.160				939,776	$0.160		
Non-auto 3/5 digit Presort Flats	$0.095	$0.104				1,594,156	$0.104		
Auto Basic Presort Letters	$0.035	$0.038				5,713,872	$0.038		
Auto Mixed AADC Presort Letters	n/a	n/a				2,572,595	n/a		
Auto AADC Presort Letters	n/a	n/a				3,141,277	n/a		
Auto 3-digit Presort Letters	$0.030	$0.033				17,602,813	$0.033		
Auto 5-digit Presort Letters	$0.023	$0.025				15,049,561	$0.025		
Auto Basic Presort Flats	$0.132	$0.144				552,987	$0.144		
Auto 3/5 Digit Presort Flats	$0.087	$0.095				13,932,349	$0.095		
Parcel Post		$1.123	$1.12306	$0.95108	($69,761)	371,533	$1.122	$1.12246	
Inter-BMC						34,918			
Intra-BMC						21,930			
DBMC	$1.047	$1.047							
DSCF	$0.561	$0.561				9,264			
DDU	$0.248	$0.248				104,345			
For AfterRates Only									
DBMC mach						189,011			
DBMC NMO						6,931			
DBMC over	$4.562					279	$4.549		
DSCF 3-dig NMO	$1.318					4,854	$1.314		

	TY unit Costs adjusted for Final Adjustments Piggyback Factor	Unit Cost Estimates Ratioed to TYBR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYBR Volume Mix	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix
First-Class Presort	$0.037	$0.037	$0.03707	$0.03538	($86,802)	51,322,082	$0.037	$0.03704	$0.03538
Non-auto Presort	$0.115	$0.116				3,579,306	$0.116		
Auto Basic Letters	$0.033	$0.034				5,940,823	$0.034		
Auto Mixed AADC Presort Letters	n/a	n/a				2,869,417	n/a		
Auto AADC Presort Letters	n/a	n/a				3,071,405	n/a		
Auto 3-digit Presort Letters	$0.029	$0.029				24,694,572	$0.029		
Auto 5-digit Presort Letters	$0.022	$0.022				15,517,542	$0.022		
Auto Carrier Route Presort Letters	$0.015	$0.015				870,451	$0.015		
Auto Basic Flats	$0.278	$0.281				141,271	$0.281		
Auto Mixed AADC Presort Flats	n/a	n/a				91,996	n/a		
Auto AADC Presort Flats	n/a	n/a				49,275	n/a		
Auto 3-digit Presort Flats	$0.232	$0.235				63,130	$0.235		
Auto 5-digit Presort Flats	$0.161	$0.163				514,987	$0.163		
First-Class Presort Cards	$0.017	$0.017	$0.01712	$0.01620	($2,719)	2,642,267	$0.017	$0.01711	$0.01561
Non-auto Presort	$0.024	$0.024				216,053	$0.024		
Auto Basic	$0.018	$0.018				488,549	$0.018		
Auto Mixed AADC Presort Cards	n/a	n/a				235,969	n/a		
Auto AADC Presort Cards	n/a	n/a				252,580	n/a		
Auto 3-digit Presort	$0.016	$0.016				1,159,708	$0.016		
Auto 5-digit Presort	$0.012	$0.012				726,357	$0.012		
Auto Carrier Route Presort	$0.008	$0.008				51,601	$0.008		
Priority Mail		$0.949	$0.94879	$0.94520	($4,514)	1,178,757	$0.948	$0.94843	$0.94482
Unpresorted	[redacted]	$0.949				1,160,856	$0.948		
ADC Presort	[redacted]	$0.791				5,967	$0.791		
3-digit Presort	[redacted]	$0.736				5,967	$0.736		
5-digit Presort	[redacted]	$0.606				5,967	$0.606		
Standard Mail	$0.055	$0.060	$0.05995	$0.05579	($251,229)	59,179,108	$0.060	$0.05991	$0.05547
Non-auto Basic Presort Letters	$0.100	$0.109		-$0.00416		1,941,459	$0.109		
Non-auto 3/5 Digit Presort Letters	$0.089	$0.098				1,852,135	$0.098		
Non-auto basic presort Flats	$0.146	$0.160				939,776	$0.160		
Non-auto 3/5 digit Presort Flats	$0.095	$0.104				1,594,156	$0.104		
Auto Basic Presort Letters	$0.035	$0.038				5,713,872	$0.038		
Auto Mixed AADC Presort Letters	n/a	n/a				2,572,595	n/a		
Auto AADC Presort Letters	n/a	n/a				3,141,277	n/a		
Auto 3-digit Presort Letters	$0.030	$0.033				17,602,813	$0.033		
Auto 5-digit Presort Letters	$0.023	$0.025				15,049,561	$0.025		
Auto Basic Presort Flats	$0.132	$0.144				552,987	$0.144		
Auto 3/5 Digit Presort Flats	$0.087	$0.095				13,932,349	$0.095		
Parcel Post	$1.168	$1.123	$1.12306	$0.95012	($70,147)	371,533	$1.122	$1.12246	$0.90664
Inter-BMC	$1.991	$1.914				34,918	$1.913		
Intra-BMC	$1.617	$1.555				21,930	$1.554		
DBMC	$1.089	$1.047							
DSCF	$0.565	$0.543				9,264	$0.543		
DDU	$0.254	$0.244				104,345	$0.244		
For AfterRates Only									
DBMC mach	$1.001					189,011	$0.962		
DBMC NMO	$2.406					6,931	$2.312		
DBMC over	$4.752					279	$4.567		
DSCF 3-dig NMO	$1.368					4,854	$1.315		

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	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volulmes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment
First-Class Presort	45,675,472	$0.001	46,579,933	$0.0007	$0.00070	$0.00070	$99	48,750,799	$0.001	$0.00072	$0.00072	$93
Non-auto Presort	4,422,981	$0.001	3,725,435	$0.0008				3,577,057	$0.001			
Auto Basic Letters	5,185,503	$0.001	5,375,912	$0.0007				5,642,243	$0.001			
Auto 3-digit Presort Letters	21,832,339	$0.001	22,296,639	$0.0007				23,435,232	$0.001			
Auto 5-digit Presort Letters	12,720,447	$0.001	13,608,415	$0.0007				14,511,758	$0.001			
Auto Carrier Route Presort Letters	1,075,333	$0.001	977,064	$0.0007				950,912	$0.001			
Auto Basic Flats	70,631	$0.002	93,776	$0.0017				116,570	$0.002			
Auto 3-digit Presort Flats	40,211	$0.002	54,894	$0.0017				56,459	$0.002			
Auto 5-digit Presort Flats	328,025	$0.002	447,798	$0.0017				460,568	$0.002			
Standard Mail	54,356,510	$0.001	55,878,588	$0.001	$0.00103	$0.00103	$67	56,757,609	$0.001	$0.00107	$0.00107	$67
Non-auto Basic Presort Letters	2,138,351	$0.001	1,875,563	$0.001				1,921,019	$0.001			
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.001	2,932,442	$0.001				2,172,577	$0.001			
Non-auto basic presort Flats	1,072,621	$0.001	928,219	$0.001				935,520	$0.001			
Non-auto 3/5 digit Presort Flats	1,917,654	$0.001	1,822,700	$0.001				1,689,733	$0.001			
Auto Basic Presort Letters	5,230,440	$0.001	5,293,710	$0.001				5,460,957	$0.001			
Auto 3-digit Presort Letters	15,600,802	$0.001	16,380,638	$0.001				16,925,100	$0.001			
Auto 5-digit Presort Letters	11,222,414	$0.001	13,329,639	$0.001				13,909,143	$0.001			
Auto Basic Presort Flats	424,818	$0.001	464,815	$0.001				499,182	$0.001			
Auto 3/5 Digit Presort Flats	13,089,111	$0.001	12,850,863	$0.001				13,244,378	$0.001			
Parcel Post	324,167	$0.024	352,695	$0.025	$0.02516	$0.02612	$338	378,991	$0.026	$0.02600	$0.02166	($1,642)
Inter-BMC	47,686	$0.093	54,200	$0.097				47,017	$0.100			
Intra-BMC	32,206	$0.093	36,259	$0.097				29,766	$0.100			
DBMC	201,341	$0.002	181,184	$0.002				201,573	$0.002			
DSCF	4,868	$0.002	5,915	$0.002				8,222	$0.002			
DDU	38,067	$0.002	75,137	$0.002				92,413	$0.002			

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	FY2003 Before Rates Volumes (000s)	TY Unit Costs	Unit Cost Estimates Ratioed to TYBR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYBR Volume Mix	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix
First-Class Presort	51,299,213	$0.001	$0.001	$0.00075	$0.00075	$89	51,322,082	$0.001	$0.00075	$0.00075
Non-auto Presort	3,679,940	$0.001	$0.001				3,579,306	$0.001		
Auto Basic Letters	5,939,468	$0.001	$0.001				5,940,823	$0.001		
Auto 3-digit Presort Letters	24,614,610	$0.001	$0.001				24,694,572	$0.001		
Auto 5-digit Presort Letters	15,491,801	$0.001	$0.001				15,517,542	$0.001		
Auto Carrier Route Presort Letters	911,527	$0.001	$0.001				870,451	$0.001		
Auto Basic Flats	126,139	$0.002	$0.002				141,271	$0.001		
Auto 3-digit Presort Flats	58,502	$0.002	$0.002				63,130	$0.002		
Auto 5-digit Presort Flats	477,227	$0.002	$0.002				514,987	$0.002		
Standard Mail	60,367,839	$0.001	$0.001	$0.00110	$0.00110	$70	59,179,108	$0.001	$0.00065	$0.00065
Non-auto Basic Presort Letters	1,984,520	$0.001	$0.001				1,941,459	$0.001		
Non-auto 3/5 Digit Presort Letters	2,058,121	$0.001	$0.001				1,852,135	$0.001		
Non-auto basic presort Flats	961,555	$0.001	$0.001				939,776	$0.001		
Non-auto 3/5 digit Presort Flats	1,640,876	$0.001	$0.001				1,594,156	$0.001		
Auto Basic Presort Letters	5,817,729	$0.001	$0.001				5,713,872	$0.001		
Auto 3-digit Presort Letters	17,756,214	$0.001	$0.001				17,602,813	$0.001		
Auto 5-digit Presort Letters	15,306,263	$0.001	$0.001				15,049,561	$0.001		
Auto Basic Presort Flats	563,457	$0.001	$0.001				552,987	$0.001		
Auto 3/5 Digit Presort Flats	14,279,104	$0.001	$0.001				13,932,349	$0.001		
Parcel Post	405,634	$0.027	$0.027	$0.02690	$0.01922	($3,116)	371,533	$0.027	$0.02689	$0.01734
Inter-BMC	42,557	$0.106	$0.104				34,918	$0.104		
Intra-BMC	26,941	$0.106	$0.104				21,930	$0.104		
DBMC	220,682	$0.002	$0.002				201,075	$0.002		
DSCF	9,525	$0.002	$0.002				9,264	$0.002		
DDU	105,929	$0.002	$0.002				104,345	$0.002		

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	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volumes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment
First-Class Presort	45,675,472	$0.001	46,579,933	$0.001	$0.00054	$0.00054	$230	48,750,799	$0.001	$0.00056	$0.00056	$217
Non-auto Presort	*4,422,981*	*$0.001*	*3,725,435*	*$0.001*				3,577,057	*$0.001*			
Auto Basic Letters	5,185,503	$0.000	5,375,912	$0.000				5,642,243	$0.001			
Auto 3-digit Presort Letters	21,832,339	$0.000	22,296,639	$0.000				23,435,232	$0.001			
Auto 5-digit Presort Letters	12,720,447	$0.000	13,608,415	$0.000				14,511,758	$0.001			
Auto Carrier Route Presort Letters	1,075,333	$0.000	977,064	$0.000				950,912	$0.001			
Auto Basic Flats	70,631	$0.003	93,776	$0.003				116,570	$0.003			
Auto 3-digit Presort Flats	40,211	$0.003	54,894	$0.003				56,459	$0.003			
Auto 5-digit Presort Flats	328,025	$0.003	447,798	$0.003				460,568	$0.003			
Standard Mail	54,356,510	$0.001	55,878,588	$0.001	$0.00123	$0.00119	($2,402)	56,757,609	$0.001	$0.00128	$0.00124	($2,395)
Non-auto Basic Presort Letters	2,138,351	$0.000	1,875,563	$0.000				1,921,019	$0.000			
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.000	2,932,442	$0.000				2,172,577	$0.000			
Non-auto basic presort Flats	1,072,621	$0.003	928,219	$0.003				935,520	$0.003			
Non-auto 3/5 digit Presort Flats	1,917,654	$0.003	1,822,700	$0.003				1,689,733	$0.003			
Auto Basic Presort Letters	5,230,440	$0.000	5,293,710	$0.000				5,460,957	$0.000			
Auto 3-digit Presort Letters	15,600,802	$0.000	16,380,638	$0.000				16,925,100	$0.000			
Auto 5-digit Presort Letters	11,222,414	$0.000	13,329,639	$0.000				13,909,143	$0.000			
Auto Basic Presort Flats	*424,818*	*$0.003*	*464,815*	*$0.003*				*499,182*	*$0.003*			
Auto 3/5 Digit Presort Flats	13,089,111	$0.003	12,850,863	$0.003				13,244,378	$0.003			
Parcel Post]	324,167	$0.174	352,695	$0.183	$0.18285	[redacted]		378,991	$0.190	$0.18976	[redacted]	
Inter-BMC	47,686	[redacted]	54,200	[redacted]				47,017	[redacted]			
Intra-BMC	32,206	[redacted]	36,259	[redacted]				29,766	[redacted]			
DBMC	201,341	[redacted]	181,184	[redacted]				201,573	[redacted]			
DSCF	4,868	[redacted]	5,915	[redacted]				8,222	[redacted]			
DDU	38,067	[redacted]	75,137	[redacted]				92,413	[redacted]			

	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volumes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment
First-Class Presort	45,675,472	$0.001	46,579,933	$0.001	$0.00054	$0.00054	$230	48,750,799	$0.001	$0.00056	$0.00056	$217
Non-auto Presort	4,422,981	$0.001	3,725,435	$0.001				3,577,057	$0.001			
Auto Basic Letters	5,185,503	$0.000	5,375,912	$0.000				5,642,243	$0.001			
Auto 3-digit Presort Letters	21,832,339	$0.000	22,296,639	$0.000				23,435,232	$0.001			
Auto 5-digit Presort Letters	12,720,447	$0.000	13,608,415	$0.000				14,511,758	$0.001			
Auto Carrier Route Presort Letters	1,075,333	$0.000	977,064	$0.000				950,912	$0.001			
Auto Basic Flats	70,631	$0.003	93,776	$0.003				116,570	$0.003			
Auto 3-digit Presort Flats	40,211	$0.003	54,894	$0.003				56,459	$0.003			
Auto 5-digit Presort Flats	328,025	$0.003	447,798	$0.003				460,568	$0.003			
Standard Mail	54,356,510	$0.001	55,878,588	$0.001	$0.00123	$0.00119	($2,402)	56,757,609	$0.001	$0.00128	$0.00124	($2,395)
Non-auto Basic Presort Letters	2,138,351	$0.000	1,875,563	$0.000				1,921,019	$0.000			
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.000	2,032,442	$0.000				2,172,577	$0.000			
Non-auto basic presort Flats	1,072,621	$0.003	928,219	$0.003				935,520	$0.003			
Non-auto 3/5 digit Presort Flats	1,917,654	$0.003	1,822,700	$0.003				1,689,733	$0.003			
Auto Basic Presort Letters	5,230,440	$0.000	5,293,710	$0.000				5,460,957	$0.000			
Auto 3-digit Presort Letters	15,600,802	$0.000	16,380,638	$0.000				16,925,100	$0.000			
Auto 5-digit Presort Letters	11,222,414	$0.000	13,329,639	$0.000				13,909,143	$0.000			
Auto Basic Presort Flats	424,818	$0.003	464,815	$0.003				499,182	$0.003			
Auto 3/5 Digit Presort Flats	13,089,111	$0.003	12,850,863	$0.003				13,244,378	$0.003			
Parcel Post]	324,167	$0.174	352,695	$0.183	$0.18285	$0.16977	($4,615)	378,991	$0.190	$0.18976	$0.16708	($8,596)
Inter-BMC	47,686	$0.274	54,200	$0.288				47,017	$0.299			
Intra-BMC	32,206	$0.215	36,259	$0.226				29,766	$0.234			
DBMC	201,341	$0.171	181,184	$0.179				201,573	$0.186			
DSCF	4,868	$0.186	5,915	$0.195				8,222	$0.203			
DDU	38,067	$0.031	75,137	$0.033				92,413	$0.034			

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Vehicle Service Driver

	FY2003 Before Rates Volumes (000s)	TY Unit Costs	Unit Cost Estimates Ratioed to TYBR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYBR Volume Mix	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix
First-Class Presort	51,299,213	$0.0006	$0.0006	$0.00058	$0.00058	$208	51,322,082	$0.001	$0.00058	$0.00059
Non-auto Presort	3,679,940	$0.0007	$0.0007				3,579,306	$0.001		
Auto Basic Letters	5,939,468	$0.0005	$0.0005				5,940,823	$0.001		
Auto 3-digit Presort Letters	24,614,610	$0.0005	$0.0005				24,694,572	$0.001		
Auto 5-digit Presort Letters	15,491,801	$0.0005	$0.0005				15,517,542	$0.001		
Auto Carrier Route Presort Letters	911,527	$0.0005	$0.0005				870,451	$0.001		
Auto Basic Flats	126,139	$0.0032	$0.0032				141,271	$0.001		
Auto 3-digit Presort Flats	58,502	$0.0032	$0.0032				63,130	$0.003		
Auto 5-digit Presort Flats	477,227	$0.0032	$0.0032				514,987	$0.003		
Standard Mail	60,367,839	$0.0015	0.0013	$0.00133	$0.00129	($2,541)	59,179,108	$0.001	$0.00133	$0.00128
Non-auto Basic Presort Letters	1,984,520	$0.001	$0.000				1,941,459	$0.000		
Non-auto 3/5 Digit Presort Letters	2,058,121	$0.001	$0.000				1,852,135	$0.000		
Non-auto basic presort Flats	961,555	$0.004	$0.003				939,776	$0.003		
Non-auto 3/5 digit Presort Flats	1,640,876	$0.004	$0.003				1,594,156	$0.003		
Auto Basic Presort Letters	5,817,729	$0.001	$0.000				5,713,872	$0.000		
Auto 3-digit Presort Letters	17,756,214	$0.001	$0.000				17,602,813	$0.000		
Auto 5-digit Presort Letters	15,306,263	$0.001	$0.000				15,049,561	$0.000		
Auto Basic Presort Flats	563,457	$0.004	$0.003				552,987	$0.003		
Auto 3/5 Digit Presort Flats	14,279,104	$0.004	$0.003				13,932,349	$0.003		
Parcel Post]	405,634	[redacted]	$0.197	$0.19678	[redacted]		371,533	$0.197	$0.19678	[redacted]
Inter-BMC	42,557	[redacted]	[redacted]				34,918	[redacted]		
Intra-BMC	26,941	[redacted]	[redacted]				21,930	[redacted]		
DBMC	220,682	[redacted]	[redacted]				201,075	[redacted]		
DSCF	9,525	[redacted]	[redacted]				9,264	[redacted]		
DDU	105,929	[redacted]	[redacted]				104,345	[redacted]		

	FY2003 Before Rates Volumes (000s)	TY Unit Costs	Unit Cost Estimates Ratioed to TYBR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYBR Volume Mix	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix
First-Class Presort	51,299,213	$0.0006	$0.0006	$0.00058	$0.00058	$208	51,322,082	$0.001	$0.00058	$0.00059
Non-auto Presort	3,679,940	$0.0007	$0.0007				3,579,306	$0.001		
Auto Basic Letters	5,939,468	$0.0005	$0.0005				5,940,823	$0.001		
Auto 3-digit Presort Letters	24,614,610	$0.0005	$0.0005				24,694,572	$0.001		
Auto 5-digit Presort Letters	15,491,801	$0.0005	$0.0005				15,517,542	$0.001		
Auto Carrier Route Presort Letters	911,527	$0.0005	$0.0005				870,451	$0.001		
Auto Basic Flats	126,139	$0.0032	$0.0032				141,271	$0.001		
Auto 3-digit Presort Flats	58,502	$0.0032	$0.0032				63,130	$0.003		
Auto 5-digit Presort Flats	477,227	$0.0032	$0.0032				514,987	$0.003		
Standard Mail	60,367,839	$0.0015	0.0013	$0.00133	$0.00129	($2,541)	59,179,108	$0.001	$0.00133	$0.00128
Non-auto Basic Presort Letters	1,984,520	$0.001	$0.000				1,941,459	$0.000		
Non-auto 3/5 Digit Presort Letters	2,058,121	$0.001	$0.000				1,852,135	$0.000		
Non-auto basic presort Flats	961,555	$0.004	$0.003				939,776	$0.003		
Non-auto 3/5 digit Presort Flats	1,640,876	$0.004	$0.003				1,594,156	$0.003		
Auto Basic Presort Letters	5,817,729	$0.001	$0.000				5,713,872	$0.000		
Auto 3-digit Presort Letters	17,756,214	$0.001	$0.000				17,602,813	$0.000		
Auto 5-digit Presort Letters	15,306,263	$0.001	$0.000				15,049,561	$0.000		
Auto Basic Presort Flats	563,457	$0.004	$0.003				552,987	$0.003		
Auto 3/5 Digit Presort Flats	14,279,104	$0.004	$0.003				13,932,349	$0.003		
Parcel Post]	405,634	$0.231	$0.197	$0.19678	$0.16772	($11,787)	371,533	$0.197	$0.19678	$0.16299
Inter-BMC	42,557	$0.363	$0.310				34,918	$0.310		
Intra-BMC	26,941	$0.285	$0.243				21,930	$0.243		
DBMC	220,682	$0.226	$0.193				201,075	$0.193		
DSCF	9,525	$0.247	$0.210				9,264	$0.210		
DDU	105,929	$0.042	$0.035				104,345	$0.035		

	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volulmes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment
First-Class Presort	45,675,472	$0.025	46,579,933	$0.026	$0.02588	$0.02572	($7,675)	48,750,799	$0.027	$0.02703	$0.02674	($14,173)
Non-auto Presort	4,422,981	$0.037	3,725,435	$0.038				3,577,057	$0.040			
Auto Basic Letters	5,185,503	$0.024	5,375,912	$0.025				5,642,243	$0.026			
Auto 3-digit Presort Letters	21,832,339	$0.023	22,296,639	$0.024				23,435,232	$0.025			
Auto 5-digit Presort Letters	12,720,447	$0.022	13,608,415	$0.023				14,511,758	$0.024			
Auto Carrier Route Presort Letters	1,075,333	$0.036	977,064	$0.037				950,912	$0.039			
Auto Basic Flats	70,631	$0.061	93,776	$0.064				116,570	$0.067			
Auto 3-digit Presort Flats	40,211	$0.061	54,694	$0.064				56,459	$0.067			
Auto 5-digit Presort Flats	328,025	$0.061	447,798	$0.064				460,568	$0.067			
First-Class Presort Cards	2,761,407	$0.015	2,780,344	$0.016	$0.01580	$0.01573	($207)	2,831,385	$0.017	$0.01651	$0.01640	($298)
Non-auto Presort	688,129	$0.015	484,513	$0.016				462,957	$0.016			
Auto Basic	461,677	$0.015	472,007	$0.016				493,808	$0.017			
Auto 3-digit Presort	913,723	$0.015	1,019,170	$0.016				1,089,285	$0.016			
Auto 5-digit Presort	609,484	$0.014	729,488	$0.015				720,128	$0.016			
Auto Carrier Route Presort	88,394	$0.023	75,165	$0.024				65,207	$0.025			
Standard Mail	54,356,510	$0.030	55,878,588	$0.031	$0.03145	$0.03097	($26,835)	56,757,609	$0.033	$0.03285	$0.03229	($31,752)
Non-auto Basic Presort Letters	2,138,351	$0.026	1,875,563	$0.027				1,921,019	$0.028			
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.028	2,932,442	$0.029				2,172,577	$0.031			
Non-auto basic presort Flats	1,072,621	$0.045	928,219	$0.047				935,520	$0.049			
Non-auto 3/5 digit Presort Flats	1,917,654	$0.045	1,822,700	$0.047				1,689,733	$0.049			
Auto Basic Presort Letters	5,230,440	$0.023	5,293,710	$0.024				5,460,957	$0.025			
Auto 3-digit Presort Letters	15,600,802	$0.023	16,380,638	$0.024				16,925,100	$0.025			
Auto 5-digit Presort Letters	11,222,414	$0.022	13,329,639	$0.024				13,909,143	$0.025			
Auto Basic Presort Flats	424,818	$0.045	464,815	$0.047				499,182	$0.049			
Auto 3/5 Digit Presort Flats	13,089,111	$0.045	12,850,863	$0.047				13,244,378	$0.049			

	FY2003 Before Rates Volumes (000s)	TY Unit Costs From Cost Models	Unit Cost Estimates Ratioed to TYBR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYBR Volume Mix	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix
First-Class Presort	51,299,213	$0.028	$0.028	$0.02797	$0.02761	($18,520)	51,322,082	$0.028	$0.02801	$0.02765
Non-auto Presort	3,679,940	$0.042	$0.042				3,579,306	$0.042		
Auto Basic Letters	5,939,468	$0.027	$0.027				5,940,823	$0.027		
Auto 3-digit Presort Letters	24,614,610	$0.026	$0.026				24,694,572	$0.026		
Auto 5-digit Presort Letters	15,491,801	$0.025	$0.025				15,517,542	$0.025		
Auto Carrier Route Presort Letters	911,527	$0.040	$0.040				870,451	$0.040		
Auto Basic Flats	126,139	$0.069	$0.069				141,271	$0.069		
Auto 3-digit Presort Flats	58,502	$0.069	$0.069				63,130	$0.069		
Auto 5-digit Presort Flats	477,227	$0.069	$0.069				514,987	$0.069		
First-Class Presort Cards	2,930,767	$0.017	$0.017	$0.01707	$0.01692	($443)	2,642,267	$0.017	$0.01711	$0.01696
Non-auto Presort	424,530	$0.017	$0.017				216,053	$0.017		
Auto Basic	515,453	$0.017	$0.017				488,549	$0.017		
Auto 3-digit Presort	1,167,852	$0.017	$0.017				1,159,708	$0.017		
Auto 5-digit Presort	767,125	$0.016	$0.016				726,357	$0.016		
Auto Carrier Route Presort	55,808	$0.026	$0.026				51,601	$0.026		
Standard Mail	60,367,839	$0.033	$0.034	$0.03402	$0.03342	($35,928)	59,179,108	$0.034	$0.03404	$0.03339
Non-auto Basic Presort Letters	1,984,520	$0.028	$0.029				1,941,459	$0.029		
Non-auto 3/5 Digit Presort Letters	2,058,121	$0.030	$0.032				1,852,135	$0.032		
Non-auto basic presort Flats	961,555	$0.049	$0.051				939,776	$0.051		
Non-auto 3/5 digit Presort Flats	1,640,876	$0.049	$0.051				1,594,156	$0.051		
Auto Basic Presort Letters	5,817,729	$0.025	$0.026				5,713,872	$0.026		
Auto 3-digit Presort Letters	17,756,214	$0.025	$0.026				17,602,813	$0.026		
Auto 5-digit Presort Letters	15,306,263	$0.025	$0.026				15,049,561	$0.026		
Auto Basic Presort Flats	563,457	$0.049	$0.051				552,987	$0.051		
Auto 3/5 Digit Presort Flats	14,279,104	$0.049	$0.051				13,932,349	$0.051		

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	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volumes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment	FY2003 Before Rates Volumes (000s)
First-Class Presort	45,675,472	$0.006	46,579,933	$0.006	$0.00633	$0.00628	($2,111)	48,750,799	$0.007	$0.00656	$0.00649	($3,221)	51,299,213
Non-auto Presort	4,422,981	$0.008	3,725,435	$0.008				3,577,057	$0.008				3,679,940
Auto Basic Letters	5,185,503	$0.006	5,375,912	$0.006				5,642,243	$0.006				5,939,468
Auto 3-digit Presort Letters	21,832,339	$0.006	22,296,639	$0.006				23,435,232	$0.006				24,614,610
Auto 5-digit Presort Letters	12,720,447	$0.006	13,608,415	$0.006				14,511,758	$0.006				15,491,801
Auto Carrier Route Presort Letters	1,075,333	$0.008	977,064	$0.009				950,912	$0.009				911,527
Auto Basic Flats	70,631	$0.005	93,776	$0.006				116,570	$0.006				126,139
Auto 3-digit Presort Flats	40,211	$0.005	54,894	$0.006				56,459	$0.006				58,502
Auto 5-digit Presort Flats	328,025	$0.005	447,798	$0.006				460,568	$0.006				477,227
First-Class Presort Cards	2,761,407	$0.005	2,780,344	$0.005	$0.00486	$0.00485	($47)	2,831,385	$0.005	$0.00511	$0.00509	($67)	2,930,767
Non-auto Presort	688,129	$0.005	484,513	$0.005				462,957	$0.005				424,530
Auto Basic	461,677	$0.005	472,007	$0.005				493,808	$0.005				515,453
Auto 3-digit Presort	913,723	$0.005	1,019,170	$0.005				1,089,285	$0.005				1,167,852
Auto 5-digit Presort	609,484	$0.004	729,488	$0.005				720,128	$0.005				767,125
Auto Carrier Route Presort	88,394	$0.006	75,165	$0.007				65,207	$0.007				55,808
Standard Mail	54,356,510	$0.009	55,878,588	$0.010	$0.00990	$0.00964	($14,424)	56,757,609	$0.010	$0.01027	$0.00997	($16,975)	60,367,839
Non-auto Basic Presort Letters	2,138,351	$0.007	1,875,563	$0.008				1,921,019	$0.008				1,984,520
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.008	2,932,442	$0.009				2,172,577	$0.009				2,058,121
Non-auto basic presort Flats	1,072,621	$0.017	928,219	$0.018				935,520	$0.019				961,555
Non-auto 3/5 digit Presort Flats	1,917,654	$0.017	1,622,700	$0.018				1,689,733	$0.019				1,640,876
Auto Basic Presort Letters	5,230,440	$0.006	5,293,710	$0.006				5,460,957	$0.006				5,817,729
Auto 3-digit Presort Letters	15,600,802	$0.006	16,380,638	$0.006				16,925,100	$0.006				17,756,214
Auto 5-digit Presort Letters	11,222,414	$0.005	13,329,639	$0.006				13,909,143	$0.006				15,306,263
Auto Basic Presort Flats	424,818	$0.017	464,815	$0.018				499,182	$0.019				563,457
Auto 3/5 Digit Presort Flats	13,089,111	$0.017	12,850,863	$0.018				13,244,378	$0.019				14,279,104

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	TY Unit Costs From Cost Models	Unit Cost Estimates Ratioed to TYBR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYBR Volume Mix	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix	TYAR FY03 Final Adjustment
First-Class Presort	$0.007	$0.007	$0.00679	$0.00671	($3,970)	51,322,082	$0.007	$0.00679	$0.00670	($4,343)
Non-auto Presort	$0.009	$0.009				3,579,306	$0.009			
Auto Basic Letters	$0.007	$0.007				5,940,823	$0.007			
Auto 3-digit Presort Letters	$0.007	$0.007				24,694,572	$0.007			
Auto 5-digit Presort Letters	$0.006	$0.006				15,517,542	$0.006			
Auto Carrier Route Presort Letters	$0.009	$0.009				870,451	$0.009			
Auto Basic Flats	$0.006	$0.006				141,271	$0.006			
Auto 3-digit Presort Flats	$0.006	$0.006				63,130	$0.006			
Auto 5-digit Presort Flats	$0.006	$0.006				514,987	$0.006			
First-Class Presort Cards	$0.005	$0.005	$0.00529	$0.00526	($100)	2,642,267	$0.005	$0.00529	$0.00525	($93)
Non-auto Presort	$0.005	$0.005				216,053	$0.005			
Auto Basic	$0.005	$0.005				488,549	$0.005			
Auto 3-digit Presort	$0.005	$0.005				1,159,708	$0.005			
Auto 5-digit Presort	$0.005	$0.005				726,357	$0.005			
Auto Carrier Route Presort	$0.007	$0.007				51,601	$0.007			
Standard Mail	$0.010	$0.011	$0.01062	$0.01031	($19,208)	59,179,108	$0.011	$0.01062	$0.01028	($20,441)
Non-auto Basic Presort Letters	$0.008	$0.008				1,941,459	$0.008			
Non-auto 3/5 Digit Presort Letters	$0.009	$0.009				1,852,135	$0.009			
Non-auto basic presort Flats	$0.019	$0.020				939,776	$0.020			
Non-auto 3/5 digit Presort Flats	$0.019	$0.020				1,594,156	$0.020			
Auto Basic Presort Letters	$0.006	$0.006				5,713,872	$0.006			
Auto 3-digit Presort Letters	$0.006	$0.006				17,602,813	$0.006			
Auto 5-digit Presort Letters	$0.006	$0.006				15,049,561	$0.006			
Auto Basic Presort Flats	$0.019	$0.020				552,987	$0.020			
Auto 3/5 Digit Presort Flats	$0.019	$0.020				13,932,349	$0.020			

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	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volumes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment
First-Class Presort	45,675,472	$0.009	46,579,933	$0.009	$0.00929	$0.00937	$3,973	48,750,799	$0.008	$0.00789	$0.00795	$3,059
Non-auto Presort	4,422,981	$0.012	3,725,435	$0.012				3,577,057	$0.010			
Auto Basic Letters	5,185,503	$0.009	5,375,912	$0.009				5,642,243	$0.007			
Auto 3-digit Presort Letters	21,832,339	$0.009	22,296,639	$0.009				23,435,232	$0.007			
Auto 5-digit Presort Letters	12,720,447	$0.009	13,608,415	$0.009				14,511,758	$0.007			
Auto Carrier Route Presort Letters	1,075,333	$0.009	977,064	$0.009				950,912	$0.007			
Auto Basic Flats	70,631	$0.051	93,776	$0.051				116,570	$0.043			
Auto 3-digit Presort Flats	40,211	$0.051	54,894	$0.051				56,459	$0.043			
Auto 5-digit Presort Flats	328,025	$0.051	447,798	$0.051				460,568	$0.043			
Standard Mail	54,356,510	$0.008	55,878,588	$0.008	$0.00773	$0.00747	($14,862)	56,757,609	$0.008	$0.00775	$0.00750	($14,309)
Non-auto Basic Presort Letters	2,138,351	$0.002	1,875,563	$0.003				1,921,019	$0.003			
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.002	2,932,442	$0.003				2,172,577	$0.003			
Non-auto basic presort Flats	1,072,621	$0.017	928,219	$0.019				935,520	$0.019			
Non-auto 3/5 digit Presort Flats	1,917,654	$0.017	1,822,700	$0.019				1,689,733	$0.019			
Auto Basic Presort Letters	5,230,440	$0.002	5,293,710	$0.003				5,460,957	$0.003			
Auto 3-digit Presort Letters	15,600,802	$0.002	16,380,638	$0.003				16,925,100	$0.003			
Auto 5-digit Presort Letters	11,222,414	$0.002	13,329,639	$0.003				13,909,143	$0.003			
Auto Basic Presort Flats	424,818	$0.017	464,815	$0.019				499,182	$0.019			
Auto 3/5 Digit Presort Flats	13,089,111	$0.017	12,850,863	$0.019				13,244,378	$0.019			
Parcel Post	324,167	$0.918	352,695	$0.960	$0.96036	[redacted]		378,991	$0.954	$0.95426	[redacted]	
Inter-BMC	47,686	[redacted]	54,200	[redacted]				47,017	[redacted]			
Intra-BMC	32,206	[redacted]	36,259	[redacted]				29,766	[redacted]			
DBMC	201,341	[redacted]	181,184	[redacted]				201,573	[redacted]			
DSCF	4,868	[redacted]	5,915	[redacted]				8,222	[redacted]			
DDU	38,067	[redacted]	75,137	[redacted]				92,413	[redacted]			

	FY2000 Volumes (000s)	Unit Cost Estimates Ratioed to FY00 Costs	FY2001 Volumes (000s)	Unit Cost Estimates Ratioed to FY01 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY01 Volume Mix	FY01 Final Adjustment	FY2002 Volumes (000s)	Unit Cost Estimates Ratioed to FY02 Costs	Average Unit Cost assuming FY00 Volume Mix	Average Unit Cost assuming FY02 Volume Mix	FY02 Final Adjustment
First-Class Presort	45,675,472	$0.009	46,579,933	$0.009	$0.00929	$0.00937	$3,973	48,750,799	$0.008	$0.00789	$0.00795	$3,059
Non-auto Presort	4,422,981	$0.012	3,725,435	$0.012				3,577,057	$0.010			
Auto Basic Letters	5,185,503	$0.009	5,375,912	$0.009				5,642,243	$0.007			
Auto 3-digit Presort Letters	21,832,339	$0.009	22,296,639	$0.009				23,435,232	$0.007			
Auto 5-digit Presort Letters	12,720,447	$0.009	13,608,415	$0.009				14,511,758	$0.007			
Auto Carrier Route Presort Letters	1,075,333	$0.009	977,064	$0.009				950,912	$0.007			
Auto Basic Flats	70,631	$0.051	93,776	$0.051				116,570	$0.043			
Auto 3-digit Presort Flats	40,211	$0.051	54,894	$0.051				56,459	$0.043			
Auto 5-digit Presort Flats	328,925	$0.051	447,798	$0.051				460,568	$0.043			
Standard Mail	54,356,510	$0.008	55,878,588	$0.008	$0.00773	$0.00747	($14,862)	56,757,609	$0.008	$0.00775	$0.00750	($14,309)
Non-auto Basic Presort Letters	2,138,351	$0.002	1,875,563	$0.003				1,921,019	$0.003			
Non-auto 3/5 Digit Presort Letters	3,660,299	$0.002	2,932,442	$0.003				2,172,577	$0.003			
Non-auto basic presort Flats	1,072,621	$0.017	928,219	$0.019				935,520	$0.019			
Non-auto 3/5 digit Presort Flats	1,917,654	$0.017	1,822,700	$0.019				1,689,733	$0.019			
Auto Basic Presort Letters	5,230,440	$0.002	5,293,710	$0.003				5,460,957	$0.003			
Auto 3-digit Presort Letters	15,600,802	$0.002	16,380,638	$0.003				16,925,100	$0.003			
Auto 5-digit Presort Letters	11,222,414	$0.002	13,329,639	$0.003				13,909,143	$0.003			
Auto Basic Presort Flats	424,818	$0.017	464,815	$0.019				499,182	$0.019			
Auto 3/5 Digit Presort Flats	13,089,111	$0.017	12,850,863	$0.019				13,244,378	$0.019			
Parcel Post	324,167	$0.918	352,695	$0.960	$0.96036	$0.90731	($18,709)	378,991	$0.954	$0.95426	$0.81416	($53,098)
Inter-BMC	47,686	$2.561	54,200	$2.679				47,017	$2.662			
Intra-BMC	32,206	$0.971	36,259	$1.015				29,766	$1.009			
DBMC	201,341	$0.702	181,184	$0.735				201,573	$0.730			
DSCF	4,868	$0.253	5,915	$0.265				8,222	$0.263			
DDU	38,067	$0.043	75,137	$0.045				92,413	$0.044			

	FY2003 Before Rates Volumes (000s)	TY Unit Costs	*Unit Cost Estimates Ratioed to TYBR Costs*	*Average Unit Cost Assuming FY2000 Volume Mix*	*Average Unit Cost Assuming TYBR Volume Mix*	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix
First-Class Presort	51,299,213	$0.0077	$0.0077	$0.00771	$0.00777	$2,770	51,322,082	$0.008	$0.00771	$0.00785
Non-auto Presort	3,679,940	$0.0096	$0.0096				3,579,306	$0.008		
Auto Basic Letters	5,939,468	$0.0071	$0.0071				5,940,823	$0.010		
Auto 3-digit Presort Letters	24,614,610	$0.0071	$0.0071				24,694,572	$0.007		
Auto 5-digit Presort Letters	15,491,801	$0.0071	$0.0071				15,517,542	$0.007		
Auto Carrier Route Presort Letters	911,527	$0.0071	$0.0071				870,451	$0.007		
Auto Basic Flats	126,139	$0.0422	$0.0422				141,271	$0.007		
Auto 3-digit Presort Flats	58,502	$0.0422	$0.0422				63,130	$0.042		
Auto 5-digit Presort Flats	477,227	$0.0422	$0.0422				514,987	$0.042		
Standard Mail	60,367,839	$0.007	$0.008	$0.00775	$0.00750	($14,637)	59,179,108	$0.008	$0.00774	$0.00748
Non-auto Basic Presort Letters	1,984,520	$0.002	$0.003				1,941,459	$0.003		
Non-auto 3/5 Digit Presort Letters	2,058,121	$0.002	$0.003				1,852,135	$0.003		
Non-auto basic presort Flats	961,555	$0.017	$0.019				939,776	$0.019		
Non-auto 3/5 digit Presort Flats	1,640,876	$0.017	$0.019				1,594,156	$0.019		
Auto Basic Presort Letters	5,817,729	$0.002	$0.003				5,713,872	$0.003		
Auto 3-digit Presort Letters	17,756,214	$0.002	$0.003				17,602,813	$0.003		
Auto 5-digit Presort Letters	15,306,263	$0.002	$0.003				15,049,561	$0.003		
Auto Basic Presort Flats	563,457	$0.017	$0.019				552,987	$0.019		
Auto 3/5 Digit Presort Flats	*14,279,104*	*$0.017*	*$0.019*				*13,932,349*	*$0.019*		
Parcel Post	405,634	[redacted]	$0.955	$0.95457	[redacted]		371,533	$0.954	$0.95411	[redacted]
Inter-BMC	42,557	[redacted]	[redacted]				34,918	[redacted]		
Intra-BMC	26,941	[redacted]	[redacted]				21,930	[redacted]		
DBMC	220,682	[redacted]	[redacted]				196,221	[redacted]		
DSCF	9,525	[redacted]	[redacted]				14,118	[redacted]		
DDU	105,929	[redacted]	[redacted]				104,345	[redacted]		

	FY2003 Before Rates Volumes (000s)	TY Unit Costs	Unit Cost Estimates Ratioed to TYBR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYBR Volume Mix	TYBR FY03 Final Adjustment	FY 2003 After Rates Volumes (000s)	Unit Cost Estimates Ratioed to TYAR Costs	Average Unit Cost Assuming FY2000 Volume Mix	Average Unit Cost Assuming TYAR Volume Mix
First-Class Presort	51,299,213	$0.0077	$0.0077	$0.00771	$0.00777	$2,770	51,322,082	$0.008	$0.00771	$0.00785
Non-auto Presort	3,679,940	$0.0096	$0.0096				3,579,306	$0.008		
Auto Basic Letters	5,939,468	$0.0071	$0.0071				5,940,823	$0.010		
Auto 3-digit Presort Letters	24,614,610	$0.0071	$0.0071				24,694,572	$0.007		
Auto 5-digit Presort Letters	15,491,801	$0.0071	$0.0071				15,517,542	$0.007		
Auto Carrier Route Presort Letters	911,527	$0.0071	$0.0071				870,451	$0.007		
Auto Basic Flats	126,139	$0.0422	$0.0422				141,271	$0.007		
Auto 3-digit Presort Flats	58,502	$0.0422	$0.0422				63,130	$0.042		
Auto 5-digit Presort Flats	477,227	$0.0422	$0.0422				514,987	$0.042		
Standard Mail	60,367,839	$0.007	$0.008	$0.00775	$0.00750	($14,637)	59,179,108	$0.008	$0.00774	$0.00748
Non-auto Basic Presort Letters	1,984,520	$0.002	$0.003				1,941,459	$0.003		
Non-auto 3/5 Digit Presort Letters	2,058,121	$0.002	$0.003				1,852,135	$0.003		
Non-auto basic presort Flats	961,555	$0.017	$0.019				939,776	$0.019		
Non-auto 3/5 digit Presort Flats	1,640,876	$0.017	$0.019				1,594,156	$0.019		
Auto Basic Presort Letters	5,817,729	$0.002	$0.003				5,713,872	$0.003		
Auto 3-digit Presort Letters	17,756,214	$0.002	$0.003				17,602,813	$0.003		
Auto 5-digit Presort Letters	15,306,263	$0.002	$0.003				15,049,561	$0.003		
Auto Basic Presort Flats	563,457	$0.017	$0.019				552,987	$0.019		
Auto 3/5 Digit Presort Flats	14,279,104	$0.017	$0.019				13,932,349	$0.019		
Parcel Post	405,634	$1.197	$0.955	$0.95457	$0.76134	($78,379)	371,533	$0.954	$0.95411	$0.71752
Inter-BMC	42,557	$3.338	$2.662				34,918	$2.661		
Intra-BMC	26,941	$1.266	$1.009				21,930	$1.009		
DBMC	220,682	$0.915	$0.730				196,221	$0.730		
DSCF	9,525	$0.330	$0.263				14,118	$0.263		
DDU	105,929	$0.056	$0.044				104,345	$0.044		

Summary of Final Adjustments by Cost Segment (000s)

	2001	2002	BR 2003	AR 2003
Mail Processing (c/s 3.1)				
First-Class Presort	(46,416)	(74,572)	(86,802)	(85,463)
First-Class Presort Cards	(2,024)	(2,173)	(2,719)	(3,955)
Priority (For Presort)	(514)	(4,141)	(4,514)	(4,254)
Standard Regular	(157,667)	(210,860)	(251,229)	(262,810)
Parcel Post	[redacted]	[redacted]	[redacted]	[redacted]
Window Service (c/s 3/2)				
First-Class Presort	99	93	89	239
Standard Regular	67	67	70	44
Parcel Post	338	(1,642)	(3,116)	(3,549)
City Carrier (c/s 6 & 7)				
First-Class Presort	(7,675)	(14,173)	(18,520)	(18,302)
First-Class Presort Cards	(207)	(298)	(443)	(412)
Standard Regular	(26,835)	(31,752)	(35,928)	(38,263)
Vehicle Service Driver (c/s 8)				
First-Class Presort	230	217	208	557
Standard Regular	(2,402)	(2,395)	(2,541)	(2,727)
Parcel Post	(4,624)	(8,599)	(11,784)	(12,547)
Rural Carrier (c/s 10)				
First-Class Presort	(2,111)	(3,221)	(3,970)	(4,343)
First-Class Presort Cards	(47)	(67)	(100)	(93)
Standard Regular	(14,424)	(16,975)	(19,208)	(20,441)
Transportation (c/s 14)				
First-Class Presort	3,973	3,059	2,770	7,415
Standard Regular	(14,862)	(14,309)	(14,637)	(15,702)
Parcel Post	[redacted]	[redacted]	[redacted]	[redacted]
Total				
First-Class Presort	(51,899)	(88,598)	(106,226)	(99,897)
First-class Presort Cards	(2,278)	(2,538)	(3,262)	(4,460)
Priority (For Presort)	(514)	(4,141)	(4,514)	(4,254)
Standard Regular	(216,124)	(276,224)	(323,472)	(339,897)
Parcel Post	[redacted]	[redacted]	[redacted]	[redacted]
Total For All Classes	[redacted]	[redacted]	[redacted]	[redacted]

Summary of Final Adjustments by Cost Segment (000s)

	2001	2002	BR 2003	AR 2003
Mail Processing (c/s 3.1)				
First-Class Presort	(46,416)	(74,572)	(86,802)	(85,463)
First-Class Presort Cards	(2,024)	(2,173)	(2,719)	(3,955)
Priority (For Presort)	(514)	(4,141)	(4,514)	(4,254)
Standard Regular	(157,667)	(210,860)	(251,229)	(262,810)
Parcel Post	(23,587)	(49,975)	(70,147)	(80,186)
Window Service (c/s 3/2)				
First-Class Presort	99	93	89	239
Standard Regular	67	67	70	44
Parcel Post	338	(1,642)	(3,116)	(3,549)
City Carrier (c/s 6 & 7)				
First-Class Presort	(7,675)	(14,173)	(18,520)	(18,302)
First-Class Presort Cards	(207)	(298)	(443)	(412)
Standard Regular	(26,835)	(31,752)	(35,928)	(38,263)
Vehicle Service Driver (c/s 8)				
First-Class Presort	230	217	208	557
Standard Regular	(2,402)	(2,395)	(2,541)	(2,727)
Parcel Post	(4,615)	(8,596)	(11,787)	(12,552)
Rural Carrier (c/s 10)				
First-Class Presort	(2,111)	(3,221)	(3,970)	(4,343)
First-Class Presort Cards	(47)	(67)	(100)	(93)
Standard Regular	(14,424)	(16,975)	(19,208)	(20,441)
Transportation (c/s 14)				
First-Class Presort	3,973	3,059	2,770	7,415
Standard Regular	(14,862)	(14,309)	(14,637)	(15,702)
Parcel Post	(18,709)	(53,098)	(78,379)	(87,901)
Total				
First-Class Presort	(51,899)	(88,598)	(106,226)	(99,897)
First-class Presort Cards	(2,278)	(2,538)	(3,262)	(4,460)
Priority (For Presort)	(514)	(4,141)	(4,514)	(4,254)
Standard Regular	(216,124)	(276,224)	(323,472)	(339,897)
Parcel Post	(46,573)	(113,312)	(163,429)	(184,187)

Inputs From Other Cost Models

	Mail Processing [1]	City Carrier [2]	Rural Carrier [3]
First-Class Presort	n/a		
Non-auto Presort	$0.155	$0.051	$0.011
Auto Basic Letters	n/a	$0.033	$0.008
Auto Mixed AADC Presort Letters	$0.049		
Auto AADC Presort Letters	$0.041		
Auto 3-digit Presort Letters	$0.039	$0.032	$0.008
Auto 5-digit Presort Letters	$0.029	$0.030	$0.008
Auto Carrier Route Presort Letters	$0.020	$0.050	$0.011
Auto Basic Flats	n/a	$0.085	$0.007
Auto Mixed AADC Presort Flats	$0.407		
Auto AADC Presort Flats	$0.318		
Auto 3-digit Presort Flats	$0.314	$0.085	$0.007
Auto 5-digit Presort Flats	$0.217	$0.085	$0.007
First-Class Presort Cards	n/a		
Non-auto Presort	$0.032	$0.021	$0.006
Auto Basic	n/a	$0.021	$0.006
Auto Mixed AADC Presort Cards	$0.026		
Auto AADC Presort Cards	$0.022		
Auto 3-digit Presort	$0.021	$0.021	$0.006
Auto 5-digit Presort	$0.016	$0.020	$0.006
Auto Carrier Route Presort	$0.011	$0.032	$0.008
Priority Mail	(cost avoidance)		
ADC Presort	$0.209		
3-digit Presort	$0.283		
5-digit Presort	$0.455		
Standard Mail	n/a		
Non-auto Basic Presort Letters	$0.134	$0.035	$0.010
Non-auto 3/5 Digit Presort Letters	$0.120	$0.037	$0.011
Non-auto basic presort Flats	$0.197	$0.060	$0.023
Non-auto 3/5 digit Presort Flats	$0.128	$0.060	$0.023
Auto Basic Presort Letters	n/a	$0.031	$0.008
Auto Mixed AADC Presort Letters	$0.050		
Auto AADC Presort Letters	$0.043		
Auto 3-digit Presort Letters	$0.040	$0.031	$0.007
Auto 5-digit Presort Letters	$0.031	$0.030	$0.007
Auto Basic Presort Flats	$0.177	$0.060	$0.023
Auto 3/5 Digit Presort Flats	$0.117	$0.060	$0.023
Parcel Post	n/a		
Inter-BMC	$2.602		
Intra-BMC	$2.115		
DBMC	$1.426		
DSCF	$0.764		
DDU	$0.338		

Inputs From Other Cost Models

	Mail Processing [1]	City Carrier [2]	Rural Carrier [3]
First-Class Presort	n/a		
Non-auto Presort	$0.155	$0.051	$0.011
Auto Basic Letters	n/a	$0.033	$0.008
Auto Mixed AADC Presort Letters	$0.049		
Auto AADC Presort Letters	$0.041		
Auto 3-digit Presort Letters	$0.039	$0.032	$0.008
Auto 5-digit Presort Letters	$0.029	$0.030	$0.008
Auto Carrier Route Presort Letters	$0.020	$0.050	$0.011
Auto Basic Flats	n/a	$0.085	$0.007
Auto Mixed AADC Presort Flats	$0.407		
Auto AADC Presort Flats	$0.318		
Auto 3-digit Presort Flats	$0.314	$0.085	$0.007
Auto 5-digit Presort Flats	$0.217	$0.085	$0.007
First-Class Presort Cards	n/a		
Non-auto Presort	$0.032	$0.021	$0.006
Auto Basic	n/a	$0.021	$0.006
Auto Mixed AADC Presort Cards	$0.026		
Auto AADC Presort Cards	$0.022		
Auto 3-digit Presort	$0.021	$0.021	$0.006
Auto 5-digit Presort	$0.016	$0.020	$0.006
Auto Carrier Route Presort	$0.011	$0.032	$0.008
Priority Mail	(cost avoidance)		
ADC Presort	$0.209		
3-digit Presort	$0.283		
5-digit Presort	$0.455		
Standard Mail	n/a		
Non-auto Basic Presort Letters	$0.134	$0.035	$0.010
Non-auto 3/5 Digit Presort Letters	$0.120	$0.037	$0.011
Non-auto basic presort Flats	$0.197	$0.060	$0.023
Non-auto 3/5 digit Presort Flats	$0.128	$0.060	$0.023
Auto Basic Presort Letters	n/a	$0.031	$0.008
Auto Mixed AADC Presort Letters	$0.050		
Auto AADC Presort Letters	$0.043		
Auto 3-digit Presort Letters	$0.040	$0.031	$0.007
Auto 5-digit Presort Letters	$0.031	$0.030	$0.007
Auto Basic Presort Flats	$0.177	$0.060	$0.023
Auto 3/5 Digit Presort Flats	$0.117	$0.060	$0.023
Parcel Post	n/a		
Inter-BMC	$2.712		
Intra-BMC	$2.203		
DBMC	$1.483		
DSCF	$0.770		
DDU	$0.346		

Calculation of Window Service Costs for Final Adjustments

	TY unit costs [1]	Piggyback [2]	Test Year Distributed Costs [3]	TY Volumes (000s) [4]
1st Class Presort				
Letters	$0.0007		47,753	50,463,785
Flats	$0.0019		1,990	824,219
Parcels	$0.0005		7	11,208
Total	$0.0007	0.77	49,750	51,299,213
Standard A Regular				
Letters	$0.0011		59,920	42,038,422
Flats	$0.0010		23,245	17,549,985
Parcels	$0.0031		3,182	779,433
Total	$0.0011	0.77	86,347	60,367,839
From Parcel Post Model 1/				
Parcel Select 1/	$0.002			
Non-dropship 1/	$0.138			

Sources

Column [1]: Column [3] / column [4]*column [2].

Column [2]: Piggyback Factor ratio. Attachment I, page 2.

Column [3]: Weight Study. LR-J-58.

Column [4]: Total Volume (feeds from vehicle service driver).

1/: Parcel Post model. LR-J-64, Attachment A, page 27.

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Calculation of Vehicle Service Driver Costs for Final Adjustments

	C/S 8 Costs					
	Unit	Total	Pieces	Pounds	Density	Cubic Feet
	[1]	[2]	[3]	[4]	[5]	[6]
1st Class Presort						
Letters	$0.0005	$27,042	50,463,785	1,833,856	24.28	75,529
Flats	$0.0032	$2,613	824,219	131,855	18.07	7,297
Parcels	$0.0050	$56	11,208	1,368	8.72	157
Total	$0.0006	$29,711	51,299,213	1,967,078		82,983
Standard A Regular						
Letters	$0.0005	$22,252	42,038,422	2,008,734	28.42	70,680
Flats	$0.0039	$67,753	17,549,985	4,443,951	20.65	215,203
Parcels	$0.0226	$17,635	779,433	454,839	8.12	56,015
Total	$0.0018	$107,641	60,367,839	6,907,524		341,898
Parcel Post						
Inter-BMC	[redacted]		42,557			
Intra-BMC	[redacted]		26,941			
DBMC	[redacted]		220,682			
DSCF	[redacted]		9,525			
DDU	[redacted]		105,929			

Sources

Column [1]: Column [2] / column [3].

Column [2]: Total Costs distributed by cubic feet in column [6] (Parcel Post distributed in Attachment B, electronic version).

Column [3]: LR-J-98.

Column [4]: LR-J-98.

Column [5]: Docket R2000-1, LR-I-98

Calculation of Vehicle Service Driver Costs for Final Adjustments

	C/S 8 Costs					
	Unit	Total	Pieces	Pounds	Density	Cubic Feet
	[1]	[2]	[3]	[4]	[5]	[6]
1st Class Presort						
Letters	$0.0005	$27,042	50,463,785	1,833,856	24.28	75,529
Flats	$0.0032	$2,613	824,219	131,855	18.07	7,297
Parcels	$0.0050	$56	11,208	1,368	8.72	157
Total	$0.0006	$29,711	51,299,213	1,967,078		82,983
Standard A Regular						
Letters	$0.0005	$22,252	42,038,422	2,008,734	28.42	70,680
Flats	$0.0039	$67,753	17,549,985	4,443,951	20.65	215,203
Parcels	$0.0226	$17,635	779,433	454,839	8.12	56,015
Total	$0.0018	$107,641	60,367,839	6,907,524		341,898
Parcel Post						
Inter-BMC	$0.4829	$20,553	42,557			
Intra-BMC	$0.3784	$10,195	26,941			
DBMC	$0.3006	$66,338	220,682			
DSCF	$0.3277	$3,121	9,525			
DDU	$0.0552	$5,845	105,929			

Sources

Column [1]: Column [2] / column [3].

Column [2]: Total Costs distributed by cubic feet in column [6] (Parcel Post distributed in Attachment B, electronic version).

Column [3]: LR-J-98.

Column [4]: LR-J-98.

Column [5]: Docket R2000-1, LR-I-98

Calculation of Transportation Costs for Final Adjustments

	C/S 14 Total		C/S 14 Air/Water		C/S 14 hwy/rail				
	Unit	Total	Unit	Total	Unit	Total	Pieces	Pounds	Cubic Feet
1st Class Presort [1]									
Letters	$0.007	$360,060					50,463,785	1,833,856	75,529
Flats	$0.042	$34,785					824,219	131,855	7,297
Parcels	$0.067	$748					11,208	1,368	157
Total	$0.008	$395,593					51,299,213	1,967,078	82,983
Standard A Regular [2]									
Letters	$0.002	$99,790	$0.000	$10,737	$0.002	$89,052	42,038,422	2,008,734	70,680
Flats	$0.017	$294,896	$0.001	$23,754	$0.015	$271,142	17,549,985	4,443,951	215,203
Parcels	$0.094	$73,006	$0.003	$2,431	$0.091	$70,575	779,433	454,839	56,015
Total	$0.008	$467,691	$0.001	$36,922	$0.007	$430,769	60,367,839	6,907,524	341,898

From Parcel Post Transportation Model [3]

	Unit Cost	Total Trans Cost	Volume
Inter-BMC	[redacted]	[redacted]	42,557
Intra-BMC	[redacted]	[redacted]	26,941
DBMC	[redacted]	[redacted]	220,682
DSCF	[redacted]	[redacted]	9,525
DDU	[redacted]	[redacted]	105,929
Total	$0.955	$387,206	405,634

Sources

[1]: Total transportation costs are distributed to shape by cubic feet, and then unit costs by shape are calculated by dividing total cost by shape by volume by shape.

[2]: Total air/water costs are distributed to shape by pounds, and highway/rail cost are distributed to shape by cubic feet. Total costs by shape are calculated as the sum of the components. Then unit costs are calculated by dividing total costs by shape

[3]: Parcel Post unit transportation costs are calculated as the total costs per rate category as distributed in Attachment B, page 8 (electronic version). Does not include vehicle service driver costs.

Calculation of Transportation Costs for Final Adjustments

	C/S 14 Total		C/S 14 Air/Water		C/S 14 hwy/rail				
	Unit	Total	Unit	Total	Unit	Total	Pieces	Pounds	Cubic Feet
1st Class Presort [1]									
Letters	$0.007	$360,060					50,463,785	1,833,856	75,529
Flats	$0.042	$34,785					824,219	131,855	7,297
Parcels	$0.067	$748					11,208	1,368	157
Total	$0.008	$395,593					51,299,213	1,967,078	82,983
Standard A Regular [2]									
Letters	$0.002	$99,790	$0.000	$10,737	$0.002	$89,052	42,038,422	2,008,734	70,680
Flats	$0.017	$294,896	$0.001	$23,754	$0.015	$271,142	17,549,985	4,443,951	215,203
Parcels	$0.094	$73,006	$0.003	$2,431	$0.091	$70,575	779,433	454,839	56,015
Total	$0.008	$467,691	$0.001	$36,922	$0.007	$430,769	60,367,839	6,907,524	341,898

From Parcel Post Transportation Model [3]

	Unit Cost	Total Trans Cost	Volume
Inter-BMC	$3.338	$142,060	42,557
Intra-BMC	$1.266	$34,095	26,941
DBMC	$0.915	$202,019	220,682
DSCF	$0.330	$3,144	9,525
DDU	$0.056	$5,889	105,929
Total	$0.955	$387,206	405,634

Sources

[1]: Total transportation costs are distributed to shape by cubic feet, and then unit costs by shape are calculated by dividing total cost by shape by volume by shape.

[2]: Total air/water costs are distributed to shape by pounds, and highway/rail cost are distributed to shape by cubic feet. Total costs by shape are calculated as the sum of the components. Then unit costs are calculated by dividing total costs by shape

[3]: Parcel Post unit transportation costs are calculated as the total costs per rate category as distributed in Attachment B, page 8 (electronic version). Does not include vehicle service driver costs.

Attachment J

	DATA COLLECTED BY OPERATIONS				CONVERSIONS		FORM 12 DATA		ADJUSTED DATA			
	% of Parcel Volume Directly Inducted to Secondary [1]	% of Service Area ZIP Codes finalized in the Primary [2]	Container Routing System (CRS) [3]	Conveyor system to transport NMOs from inbound docks to NMO area [4]	CRS [5]	Conveyor [6]	Machinable Volume at each BMC [7]	NMO Volume in BMC [8]	% of Parcel Volume Directly Inducted to Secondary [9]	% of Service Area ZIP Codes finalized in the Primary [10]	CRS [11]	Conveyor system to transport NMOs from inbound docks to NMO area [12]
BMC 01	19.5%	23.6%	no	no	0	0	16,156,663	1,002,117	1.11%	1.34%	0.00%	0.00%
BMC 02	49.4%	29.7%					30,308,096	1,611,968	5.28%	3.18%		
BMC 03	0.0%	26.9%	no	no	0	0	15,471,500	783,433	0.00%	1.47%	0.00%	0.00%
BMC 04	59.9%	2.2%	yes	yes	1	1	9,783,694	589,669	2.07%	0.07%	4.01%	4.01%
BMC 05	0.0%	7.8%	yes	no	1	0	9,024,858	448,749	0.00%	0.25%	3.05%	0.00%
BMC 06	55.1%	9.1%	yes	yes	1	1	7,304,687	497,762	1.42%	0.24%	3.38%	3.38%
BMC 07	7.1%	13.4%	yes	no	1	0	16,725,992	1,000,522	0.42%	0.79%	6.80%	0.00%
BMC 08	19.7%	0.0%	yes	yes	1	1	13,812,043	741,047	0.96%	0.00%	5.04%	5.04%
BMC 09	8.9%	16.7%	yes	yes	1	1	14,044,288	855,239	0.44%	0.83%	5.82%	5.82%
BMC 10	15.0%	35.1%	yes	yes	1	1	16,886,155	957,939	0.89%	2.09%	6.51%	6.51%
BMC 11	7.4%	10.8%	yes	yes	1	1	11,280,175	893,587	0.29%	0.43%	6.08%	6.08%
BMC 12	7.8%	4.0%	yes	yes	1	1	6,915,364	475,733	0.19%	0.10%	3.23%	3.23%
BMC 13	43.2%	3.0%	yes	yes	1	1	7,675,413	463,121	1.17%	0.08%	3.15%	3.15%
BMC 14	0.0%	31.9%	yes	yes	1	1	21,429,747	1,143,762	0.00%	2.41%	7.78%	7.78%
BMC 15	45.3%	6.8%	yes	yes	1	1	5,286,617	401,940	0.84%	0.13%	2.73%	2.73%
BMC 16	30.4%	10.2%	yes	yes	1	1	16,149,089	943,529	1.73%	0.58%	6.42%	6.42%
BMC 17	4.9%	34.1%	no	no	0	0	17,881,840	783,815	0.31%	2.15%	0.00%	0.00%
BMC 18	31.5%	13.5%	yes	yes	1	1	4,011,834	171,037	0.45%	0.19%	1.16%	1.16%
BMC 19	29.6%	41.9%	no	no	0	0	18,731,735	1,105,820	1.96%	2.77%	0.00%	0.00%
BMC 20	0.0%	12.3%	yes	yes	1	1	7,986,220	511,750	0.00%	0.35%	3.48%	3.48%
BMC 21	22.3%	11.2%	no	no	0	0	16,665,342	935,457	1.31%	0.66%	0.00%	0.00%
							283,531,352	16,317,996	20.83%	20.09%	68.65%	58.79%

Sources

Columns [1] through [4]: Data collected by Operations, Docket No. R2000-1, USPS-T-26, Attachment Y.
Columns [6&7]: Adjusts yes and no answers to numerical answers. Yes=1 and no=0.
Columns [7 &8]: LR-I-6.7
Column [9]: Column 1 weighted by machinable volume.
Column [10]: Column 2 weighted by machinable volume.
Column [11]: Column 6 weighted by NMO volume.
Column [12]: Column 7 weighted by NMO volume.

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