

TITLE: "NREL Color Printing" / PROGRAM: 1831-S
TERM: September 1, 2008 To August 31, 2009 (w/Options)

Item No.	DESCRIPTION	Basis of Award	Keyline Graphics Inc.		Frederic Printing		Motion Products	
			State 050	Code 48192	State 050	Code 34310	State 000	Code 11111
			UNIT RATE	COST	UNIT RATE	COST	UNIT RATE	COST
I.	ELECTRONIC PREPRESS:							
(a)	Per Color/Trim/Page-size unit	1900 x	18.00	34,200.00	18.10	34,390.00	NOT SUB	
(b)	System Timework.....per hour	4 x	125.00	500.00	85.45	341.80	NOT SUB	
II.	COMPLETE PRODUCT:							
	Black ink or a Color Other than Black							
(a)	Format "A".....per printed page							
	Category 1							
1.	Makeready & Setup charges.....	200 x	30.00	6,000.00	9.73	1,946.00	29.00	5,800.00
2.	Per 1000 copies.....	150 x	10.00	1,500.00	20.01	3,001.50	132.00	19,800.00
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	40 x	15.00	600.00	10.82	432.80	14.00	560.00
4.	Per 1000 copies.....	30 x	5.00	150.00	17.96	538.80	28.16	844.80
	Four-Color Process							
5.	Makeready & Setup charges.....	250 x	100.00	25,000.00	37.29	9,322.50	71.00	17,750.00
6.	Per 1000 copies.....	200 x	15.00	3,000.00	44.40	8,880.00	287.50	57,500.00
	Category 2							
1.	Makeready & Setup charges.....	100 x	28.00	2,800.00	9.73	973.00	35.00	3,500.00
2.	Per 1000 copies.....	250 x	10.00	2,500.00	5.90	1,475.00	80.00	20,000.00
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	40 x	14.00	560.00	10.82	432.80	16.10	644.00
4.	Per 1000 copies.....	100 x	5.00	500.00	5.30	530.00	80.00	8,000.00
	Four-Color Process							
5.	Makeready & Setup charges.....	100 x	85.00	8,500.00	37.29	3,729.00	82.00	8,200.00
6.	Per 1000 copies.....	250 x	15.00	3,750.00	13.10	3,275.00	102.00	25,500.00
	Category 3							
1.	Makeready & Setup charges.....	100 x	27.00	2,700.00	9.73	973.00	38.00	3,800.00
2.	Per 1000 copies.....	750 x	10.00	7,500.00	4.18	3,135.00	49.20	36,900.00
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	40 x	14.00	560.00	10.82	432.80	18.20	728.00
4.	Per 1000 copies.....	300 x	5.00	1,500.00	3.76	1,128.00	49.20	14,760.00
	Four-Color Process							
5.	Makeready & Setup charges.....	500 x	75.00	37,500.00	37.29	18,645.00	93.00	46,500.00
6.	Per 1000 copies.....	1,875 x	15.00	28,125.00	9.30	17,437.50	75.60	141,750.00
	Category 4							
1.	Makeready & Setup charges.....	50 x	26.00	1,300.00	9.73	486.50	73.00	3,650.00
2.	Per 1000 copies.....	2,000 x	9.00	18,000.00	3.06	6,120.00	24.10	48,200.00
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	40 x	13.00	520.00	10.82	432.80	35.00	1,400.00
4.	Per 1000 copies.....	500 x	4.00	2,000.00	2.75	1,375.00	24.10	12,050.00
	Four-Color Process							
5.	Makeready & Setup charges.....	500 x	65.00	32,500.00	37.29	18,645.00	177.50	88,750.00
6.	Per 1000 copies.....	2,750 x	14.00	38,500.00	6.81	18,727.50	45.40	124,850.00
	Category 5							
1.	Makeready & Setup charges.....	50 x	25.00	1,250.00	9.73	486.50	116.00	5,800.00
2.	Per 1000 copies.....	3,250 x	9.00	29,250.00	2.77	9,002.50	15.07	48,977.50
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	20 x	13.00	260.00	10.82	216.40	56.00	1,120.00
4.	Per 1000 copies.....	750 x	4.00	3,000.00	2.49	1,867.50	15.07	11,302.50
	Four-Color Process							
5.	Makeready & Setup charges.....	100 x	50.00	5,000.00	37.29	3,729.00	284.00	28,400.00
6.	Per 1000 copies.....	3,250 x	13.00	42,250.00	6.15	19,987.50	34.50	112,125.00
	Category 6							
1.	Makeready & Setup charges.....	50 x	24.00	1,200.00	9.73	486.50	464.00	23,200.00
2.	Per 1000 copies.....	3,500 x	8.00	28,000.00	2.59	9,065.00	6.92	24,220.00
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	20 x	12.00	240.00	10.82	216.40	224.00	4,480.00
4.	Per 1000 copies.....	2,500 x	3.00	7,500.00	2.33	5,825.00	6.92	17,300.00
	Four-Color Process							
5.	Makeready & Setup charges.....	100 x	40.00	4,000.00	37.29	3,729.00	1136.00	113,600.00
6.	Per 1000 copies.....	3,500 x	13.00	45,500.00	5.76	20,160.00	31.68	110,880.00
	Black ink or a Color Other than Black							
(b)	Format "B".....per printed page							
	Category 1							
1.	Makeready & Setup charges.....	2 x	600.00	1,200.00	676.14	1,352.28	29.00	58.00
2.	Per 1000 copies.....	1 x	150.00	150.00	488.49	488.49	84.00	84.00
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	1 x	25.00	25.00	27.90	27.90	14.00	14.00
4.	Per 1000 copies.....	1 x	10.00	10.00	134.92	134.92	125.00	125.00
	Four-Color Process							
5.	Makeready & Setup charges.....	1 x	900.00	900.00	904.80	904.80	71.00	71.00
6.	Per 1000 copies.....	1 x	200.00	200.00	634.94	634.94	483.75	483.75
	Category 2							
1.	Makeready & Setup charges.....	1 x	600.00	600.00	676.14	676.14	35.00	35.00
2.	Per 1000 copies.....	2 x	150.00	300.00	144.10	288.20	80.66	161.32
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	1 x	25.00	25.00	27.90	27.90	16.10	16.10
4.	Per 1000 copies.....	2 x	8.00	16.00	39.80	79.60	80.66	161.32
	Four-Color Process							
5.	Makeready & Setup charges.....	2 x	900.00	1,800.00	904.80	1,809.60	82.00	164.00
6.	Per 1000 copies.....	5 x	200.00	1,000.00	187.30	936.50	242.20	1,211.00
	Category 3							
1.	Makeready & Setup charges.....	1 x	550.00	550.00	676.14	676.14	38.00	38.00
2.	Per 1000 copies.....	7 x	150.00	1,050.00	102.31	716.17	69.33	485.31
	Each Additional Color of ink							
3.	Makeready & Setup charges.....	1 x	25.00	25.00	27.90	27.90	18.20	18.20
4.	Per 1000 copies.....	7 x	8.00	56.00	28.25	197.75	69.33	485.31
	Four-Color Process							
5.	Makeready & Setup charges.....	1 x	850.00	850.00	904.80	904.80	93.00	93.00
6.	Per 1000 copies.....	7 x	175.00	1,225.00	132.98	930.86	208.20	1,457.40

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Category 4								
1.	Makeready & Setup charges.....	1	x	500.00	500.00	676.14	73.00	73.00
2.	Per 1000 copies.....	25	x	145.00	3,625.00	74.93	59.33	1,483.25
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	22.00	22.00	27.90	35.00	35.00
4.	Per 1000 copies.....	25	x	8.00	200.00	20.69	59.33	1,483.25
Four-Color Process								
5.	Makeready & Setup charges.....	2	x	850.00	1,700.00	904.80	177.50	355.00
6.	Per 1000 copies.....	50	x	175.00	8,750.00	97.39	177.64	8,882.00
Category 5								
1.	Makeready & Setup charges.....	1	x	500.00	500.00	676.14	116.00	116.00
2.	Per 1000 copies.....	75	x	145.00	10,875.00	67.72	52.66	3,949.50
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	20.00	20.00	27.90	56.00	56.00
4.	Per 1000 copies.....	75	x	7.00	525.00	18.70	52.66	3,949.50
Four-Color Process								
5.	Makeready & Setup charges.....	2	x	800.00	1,600.00	904.80	284.00	568.00
6.	Per 1000 copies.....	150	x	160.00	24,000.00	88.03	158.51	23,776.50
Category 6								
1.	Makeready & Setup charges.....	1	x	450.00	450.00	676.14	464.00	464.00
2.	Per 1000 copies.....	125	x	140.00	17,500.00	63.40	42.66	5,332.50
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	20.00	20.00	27.90	224.00	224.00
4.	Per 1000 copies.....	125	x	6.00	750.00	17.51	42.66	5,332.50
Four-Color Process								
5.	Makeready & Setup charges.....	1	x	800.00	800.00	904.80	1136.00	1,136.00
6.	Per 1000 copies.....	125	x	150.00	18,750.00	82.41	128.20	16,025.00
Black ink or a Color Other than Black								
(c)	Format "C".....per printed page							
Category 1								
1.	Makeready & Setup charges.....	2	x	500.00	1,000.00	118.63	29.00	58.00
2.	Per 1000 copies.....	2	x	100.00	200.00	210.18	132.00	264.00
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	100.00	100.00	30.16	14.00	14.00
4.	Per 1000 copies.....	7	x	10.00	70.00	139.67	28.16	197.12
Four-Color Process								
5.	Makeready & Setup charges.....	2	x	975.00	1,950.00	313.66	71.00	142.00
6.	Per 1000 copies.....	1	x	250.00	250.00	351.88	287.50	287.50
Category 2								
1.	Makeready & Setup charges.....	1	x	500.00	500.00	118.63	35.00	35.00
2.	Per 1000 copies.....	2	x	100.00	200.00	62.00	80.00	160.00
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	100.00	100.00	30.16	16.10	16.10
4.	Per 1000 copies.....	2	x	10.00	20.00	41.20	80.00	160.00
Four-Color Process								
5.	Makeready & Setup charges.....	4	x	950.00	3,800.00	313.66	82.00	328.00
6.	Per 1000 copies.....	10	x	250.00	2,500.00	130.80	102.00	1,020.00
Category 3								
1.	Makeready & Setup charges.....	1	x	500.00	500.00	118.63	38.00	38.00
2.	Per 1000 copies.....	7	x	100.00	700.00	44.02	49.20	344.40
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	100.00	100.00	30.16	18.20	18.20
4.	Per 1000 copies.....	7	x	9.00	63.00	29.25	49.20	344.40
Four-Color Process								
5.	Makeready & Setup charges.....	5	x	950.00	4,750.00	313.66	93.00	465.00
6.	Per 1000 copies.....	37	x	200.00	7,400.00	92.86	75.60	2,797.20
Category 4								
1.	Makeready & Setup charges.....	2	x	500.00	1,000.00	118.63	73.00	146.00
2.	Per 1000 copies.....	50	x	90.00	4,500.00	32.74	24.10	1,205.00
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	75.00	75.00	30.16	35.00	35.00
4.	Per 1000 copies.....	25	x	9.00	225.00	21.42	24.10	602.50
Four-Color Process								
5.	Makeready & Setup charges.....	5	x	925.00	4,625.00	313.66	177.50	887.50
6.	Per 1000 copies.....	125	x	175.00	21,875.00	68.01	45.40	5,675.00
Category 5								
1.	Makeready & Setup charges.....	2	x	450.00	900.00	118.63	116.00	232.00
2.	Per 1000 copies.....	150	x	85.00	12,750.00	29.14	15.07	2,260.50
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	65.00	65.00	30.16	56.00	56.00
4.	Per 1000 copies.....	75	x	8.00	600.00	19.36	15.07	1,130.25
Four-Color Process								
5.	Makeready & Setup charges.....	4	x	920.00	3,680.00	313.66	284.00	1,136.00
6.	Per 1000 copies.....	300	x	150.00	45,000.00	61.47	34.50	10,350.00
Category 6								
1.	Makeready & Setup charges.....	1	x	400.00	400.00	118.63	464.00	464.00
2.	Per 1000 copies.....	250	x	75.00	18,750.00	27.28	6.92	1,730.00
Each Additional Color of ink								
3.	Makeready & Setup charges.....	1	x	50.00	50.00	30.16	224.00	224.00
4.	Per 1000 copies.....	250	x	7.00	1,750.00	18.12	6.92	1,730.00
Four-Color Process								
5.	Makeready & Setup charges.....	3	x	900.00	2,700.00	313.66	1136.00	3,408.00
6.	Per 1000 copies.....	750	x	125.00	93,750.00	57.55	31.68	23,760.00
(d)	Wash-up charge for Metallic ink.....per order	4	x	125.00	500.00	63.35	80.00	320.00
III. PROOFS								
(a)	Dylux or Digital equivalent.....each page-size unit	6,200	x	5.00	31,000.00	2.01	2.00	12,400.00
(b)	One-Piece Laminated proof (Cromalin or similar).....per color/trim/page-size unit	480	x	10.00	4,800.00	2.01	4.50	2,160.00
(c)	Intermediate color proof.....each page-size unit	110	x	9.00	990.00	5.03	2.50	275.00
(d)	Timework.....per hour	4	x	135.00	540.00	77.50	35.00	140.00

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IV.	PAPER: Per 1000 leaves								
	Text and Posters:								
(a)	White/Colored, Writing, 90 g/m ² (24 lb.).....	880	x	50.00	44,000.00	38.33	33,730.40	40.69	35,807.20
(b)	White/Colored Vellum Finish Book, 90 g/m ² (60 lb.).....	940	x	30.00	28,200.00	19.80	18,612.00	25.24	23,725.60
(c)	White/Colored Vellum Finish Book, 105 g/m ² (70 lb.).....	820	x	35.00	28,700.00	23.20	19,024.00	39.25	32,185.00
(d)	White/Colored Vellum Finish Book, 120 g/m ² (80 lb.).....	800	x	40.00	32,000.00	26.09	20,872.00	44.87	35,896.00
(e)	No. 1 White Litho (Gloss) Coated Text, 105 g/m ² (70 lb.).....	1,200	x	30.00	36,000.00	30.17	36,204.00	16.53	19,836.00
(f)	No. 1 White Litho (Gloss) Coated Text, 120 g/m ² (80 lb.).....	1,200	x	35.00	42,000.00	34.51	41,412.00	18.40	22,080.00
(g)	No. 1 White Litho (Gloss) Coated Text, 150 g/m ² (100 lb.).....	1,300	x	39.00	50,700.00	42.92	55,796.00	23.14	30,082.00
(h)	No. 1 White Dull Coated Text 105 g/m ² (70 lb.).....	1,400	x	32.00	44,800.00	30.77	43,078.00	16.53	23,142.00
(i)	No. 1 White Dull Coated Text 120 g/m ² (80 lb.).....	1,300	x	37.00	48,100.00	35.10	45,630.00	18.40	23,920.00
(j)	No. 1 White Dull Coated Text 150 g/m ² (100 lb.).....	1,100	x	41.00	45,100.00	43.60	47,960.00	23.14	25,454.00
(k)	Natural 100% Plant Paper, Smooth Finish, 67 g/m ² (45 lb.)....	20	x	65.00	1,300.00	37.18	743.60	67.91	1,358.20
(l)	Natural 100% Plant Paper, Smooth Finish, 77 g/m ² (52 lb.)....	30	x	75.00	2,250.00	39.22	1,176.60	79.78	2,393.40
	Covers/Posters/Pocket Folders:								
(m)	White/Colored Vellum Finish Cover, 135 g/m ² (50 lb.).....	490	x	40.00	19,600.00	30.85	15,116.50	24.66	12,083.40
(n)	White/Colored Vellum Finish Cover, 175 g/m ² (65 lb.).....	550	x	45.00	24,750.00	46.58	25,619.00	29.76	16,368.00
(o)	White/Colored Vellum Finish Cover, 215 g/m ² (80 lb.).....	560	x	50.00	28,000.00	57.40	32,144.00	33.06	18,513.60
(p)	No. 1 White Litho (Gloss) Coated Cover, 215 g/m ² (80 lb.)....	770	x	70.00	53,900.00	64.34	49,541.80	34.76	26,765.20
(q)	No. 1 White Litho (Gloss) Coated Cover, 270 g/m ² (100 lb.)....	680	x	75.00	51,000.00	80.41	54,678.80	43.48	29,566.40
(r)	No. 1 White Dull Coated Cover, 215 g/m ² (80 lb.).....	970	x	70.00	67,900.00	65.02	63,069.40	34.76	33,717.20
(s)	No. 1 White Dull Coated Cover, 270 g/m ² (100 lb.).....	780	x	75.00	58,500.00	81.34	63,445.20	43.48	33,914.40
(t)	White or Colored Index, 200 g/m ² (110 lb.).....	690	x	85.00	58,650.00	39.56	27,296.40	40.25	27,772.50
V.	ADDITIONAL OPERATIONS:								
(a)	Shrink-film wrapping.....each package	500	x	0.40	200.00	0.25	125.00	0.25	125.00
(b)	Saddle Stitch binding.....per 100 books	4,000	x	15.00	60,000.00	16.09	64,360.00	25.00	100,000.00
(c)	Adhesive (Perfect) binding.....per 100 books	2,600	x	65.00	169,000.00	55.29	143,754.00	46.00	119,600.00
(d)	Plastic Comb binding (includes cost of combs, punching, and inserting).....per 100 books	800	x	85.00	68,000.00	60.32	48,256.00	178.00	142,400.00
(e)	Wire-O binding (includes cost of wires, punching, and inserting).....per 100 books	50	x	95.00	4,750.00	75.40	3,770.00	153.00	7,650.00
(f)	Spiral Binding (includes cost of spirals, punching, and inserting).....per 100 books	30	x	125.00	3,750.00	150.80	4,524.00	168.00	5,040.00
(g)	Perforating, slit or slot or scoring off fold								
(1)	Makeready (each perf. or score).....each line	18	x	70.00	1,260.00	35.19	633.42	7.50	135.00
(2)	Running (max. 3 lines per run).....per 100 sheets	360	x	5.00	1,800.00	3.52	1,267.20	5.18	1,863.00
(h)	Inserting & binding a furnished preprinted leaf.....per item/per 100 leaves	80	x	8.00	640.00	15.08	1,206.40	5.00	400.00
(i)	Tab closure.....per 100 prtd. pieces	2	x	10.00	20.00	5.03	10.06	30.00	60.00
(j)	Folding (max. of two folds).....per 100 sheets	160	x	4.00	640.00	0.61	97.60	0.45	72.00
VI.	MAILING:								
(a)	Bulk shipments (other than by mail)								
(1)	Wrapping and tying shipping bundles.....each bundle...	20		5.00	100.00	0.85	17.00	0.25	5.00
(2)	Packing and sealing shipping containers (up to approx. 20 kg (45lbs capacity).....each container	10		3.00	30.00	0.95	9.50	3.00	30.00
(3)	Palletizing.....each pallet	5		20.00	100.00	6.15	30.75	15.00	75.00
(b)	Mailing which includes affixing labels and delivery to a post office:								
(1)	Single copy in kraft envelope (up to 200 leaves)... each envelope	100		3.00	300.00	5.72	572.00	0.20	20.00
(2)	Multiple copies in kraft envelope (up to 200 leaves)... each envelope	50		5.00	250.00	6.28	314.00	8.16	408.00
(3)	Single or multiple copies over 200 leaves, up to 5 kg (12 lbs.), in cushioned shipping bags, or wrapped in shipping bundles (max... gross weight 6 kg (14 lbs.).....each bag or bundle	20		5.00	100.00	5.92	118.40	3.00	60.00
(4)	Quantities over 5 kg (12 lbs.), up to 11 kg (24 lbs.) wrapped in shipping bundles, or packed in shipping containers, at the contractor's option (maximum gross weight 12 kg (27 lbs.))....each bundle or container	25		7.00	175.00	6.68	167.00	5.25	131.25
(5)	Quantities over 11 kg (24 lbs.), up to 16 kg (36 lbs.) packed in shipping containers (maximum gross weight 17.144 kg (40 lbs.))....each container	50		8.00	400.00	6.88	344.00	6.25	312.50
(6)	Affixing furnished labels on single copies (self-mailers).....per 100 labels	160	x	9.00	1,440.00	6.03	964.80	3.00	480.00
(7)	Creating and affixing labels from furnished electronic media/ disc.....per 100 labels	50	x	30.00	1,500.00	4.77	238.50	2.00	100.00

CONTRACTOR TOTALS				\$1,882,917.00			\$1,381,988.54		\$2,201,807.03
DISCOUNT if any		NET			2.000%		27,639.77	NET	
DISCOUNTED TOTALS				\$1,882,917.00			\$1,354,348.77		\$2,201,807.03

AWARDED