

## Waste Tire Project Listing 2008-2012 (through second quarter only)

2008 Year

CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
1 01-363204	01-Hum-101-48.7/56.3	24-Oct-08	RHMA (GAP GRADED)	390137	20.10.201.120	45,500		112,385
2 01-363204	01-Hum-101-48.7/56.3	24-Oct-08	RHMA (OPEN GRADED)	390138	20.10.201.120	36,800		90,402
3 01-398504	01-Lak-29-20.4/R34.4	28-Mar-08	RHMA (GAP GRADED)	390137	20.10.201.121	26,700		65,949
4 01-398504	01-Lak-29-20.4/R34.4	28-Mar-08	RHMA (OPEN GRADED)	390138	20.10.201.121	10,300		25,441
5 01-398504	01-Lak-29-20.4/R34.4	28-Mar-08	A-R Binder	370120	20.10.201.121	610		20,295
6 01-398304	01-Lak-20-0.8/9.4	3-Apr-08	RHMA (GAP GRADED)	390140	20.10.201.121	23,100		57,057
7 01-398304	01-Lak-20-0.8/9.4	3-Apr-08	RHMA (OPEN GRADED)	390138	20.10.201.121	11,800		28,652
8 01-398304	01-Lak-20-0.8/9.4	3-Apr-08	A-R Binder	370120	20.10.201.121	490		16,302
9 01-478904	01-Men-101-RD.1/9.2,11.7/R21.1	25-Apr-08	RHMA (BONDED WEARING COURSE-OPEN GRADE)	390159	20.80.010.122	32,000		79,040
10 02-0C9704	02-Teh-5-R19.0/R20.5	23-May-08	RAC (TYPE O)	390127	20.10.201.111		2,830	7,698
11 02-328034	02-Sha-5,44-R22.5/R26.9,LO.3/L:	5-Mar-08	RAC (TYPE G)	390126	20.10.025.700, 20.10.075.600		8,270	22,494
12 02-328034	02-Sha-5,44-R22.5/R26.9,LO.3/L:	5-Mar-08	RAC (TYPE O)	390127	20.10.025.700, 20.10.075.600		2,720	7,398
13 02-4c8204	02-Sha-299-67.8/77.9	8-Feb-06	RAC (TYPE G)	390126	20.80.010.122	19,800		48,412
14 03-0a7104	03-Yub-70-16.4/18.9, 20.0/25.8	13-Aug-08	RHMA (OPEN GRADED)	390138	201.121/20.10.201.121	8,920		22,032
15 03-1a4814	03-Sut-99,113-26.6/37.4,25.7/R2	24-Jul-08	RAC (TYPE O)	390127	75.6/600/HE13		4,950	13,464
16 03-3338u4	03-Pla-65-R19.3/R38.3	9-Jun-08	RAC (TYPE G)	390126	20.10.025.700		52,700	143,344
17 03-367824	03-Sac,Pla-90-28.1/29.0,0.0/4.7	1-May-08	RHMA (OPEN GRADED)	390138	20.10.025.700		17,200	46,784
18 03-3c8704	03-Gle-5-R20.0/R28.8	3-Jun-08	RHMA (OPEN GRADED)	390138	20.20.201.121	18,400		45,448
19 04-0A10U4	04-Son-101-35.6/47.7	29-Oct-08	RAC (TYPE G)	390126	20.10.075.600		45,200	122,944
20 04-0t10u4	04-Sol-12-12.7/33.2	17-Dec-08	RAC (TYPE G)	390126	20.20.201.120		27,100	73,712
21 04-1e0704	04-SM-101-6.8/11.9	8-May-08	RHMA (GAP GRADED)	390137	20.80.010.122	16,900		41,743
22 04-2409u4	04-Sol-60-12.9 / 20.8	20-Jun-08	RAC (TYPE G)	390126	201.12		38,500	104,720
23 04-253794	04-Ala-680-M5.2/R10.9	2-Sep-08	RHMA (GAP GRADED)	390140	75.6/20.20.25		14,500	39,440
24 04-290844	04-Ala-580-R12.6/21.2	28-Jul-08	RAC (TYPE G)	390126	20.10.710.870		24,700	67,184
25 04-290844	04-Ala-580-R12.6/21.2	28-Jul-08	RAC (TYPE O)	390127	20.10.710.870		16,100	43,782
26 04-2a9904	04-SF-280-0.0/7.5	3-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.122	2,670		6,595
27 04-4a2204	04-Nap-29-19.4/21.7	24-Jun-08	RHMA (GAP GRADED)	390137	20.20.201.121	3,880		9,584
28 04-4C1524	04-Sol-80-20.1/30.6	18-Mar-08	RAC (TYPE G)	390126	20.20.201.120	87,900		217,113
29 05-0m2004	05-SB-217-0.5/2.7	13-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	6,000		12,350
30 05-0P0104	05-SBI-158-R16.2/R16.9	11-Mar-08	RHMA (GAP GRADED)	390137	20.80.010.010	2,010		4,965
31 05-0p0204	05-SB-246-31.1/34.6	13-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	6,580		16,203
32 06-0a1004	06-Mad-41-23.2/23.6	25-Nov-08	RHMA (GAP GRADED)	390137	20.20.201.010	530		1,309
33 06-0a1804	06-Ker-58-R96.0/R103.6	16-May-08	RAC (TYPE G)	390126	20.80.201.120		10,060	27,418
34 06-0g8004	06-Mad-145-8.1/9.1,14.8/16.8	6-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	2,100		5,187
35 06-0g8004	06-Mad-145-8.1/9.1,14.8/16.8	6-May-08	RHMA (OPEN GRADED)	390138	20.80.010.010	2,300		5,881
36 06-0g8104	06-Tul-180-14.9/16.8	8-May-08	RHMA (GAP GRADED)	390140	20.80.010.010	14,300		35,321
37 06-0g8404	06-Ker-99-29.5/31.0,43.9/48.7	14-Jan-08	RAC (TYPE O)	390127	20.80.010.010	6,430		15,882
38 06-0h8404	06-Ker-58-77.3/R107.8	1-May-08	RHMA (BONDED WEARING COURSE-GAP GRADE)	390157	20.80.010.122	14,100		34,827
39 06-0h8404	06-Ker-58-77.3/R107.8	1-May-08	RHMA (BONDED WEARING COURSE-OPEN GRADE)	390159	20.80.010.122	29,400		72,618
40 06-0h8904	06-Kin,Tul-43, 63-Var	29-May-08	RHMA (GAP GRADED)	390140	20.80.010.010	16,100		44,707
41 06-0h8904	06-Kin,Tul-43, 63-Var	29-May-08	RHMA (OPEN GRADED)	390138	20.80.010.010	1,530		3,779
42 06-0h9104	06-Mad-99-1.0/R7.4	11-Apr-08	RHMA (OPEN GRADED)	390138	20.80.010.010	9,040		22,329
43 06-0j3904	06-Tul-96-27.6/33.3	6-Jun-08	RHMA (OPEN GRADED)	390138	20.80.010.122	8,520		21,044
44 06-0j4304	06-Mad-145, 233-Var	17-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	4,600		11,362
45 06-0j4304	06-Mad-145, 233-Var	17-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	4,600		11,362
46 06-0j4704	06-Fre-33-0.0/49.5	10-Jun-08	RHMA (GAP GRADED)	390140	20.80.010.010	18,600		45,895
47 06-322104	06-Ker-166-14.5/39.8	30-Sep-08	RHMA (GAP GRADED)	390140	201.12/20.20.201.120		46,100	125,392
48 06-480704	06-Ker-5-0.0/10.2	21-Aug-08	RHMA (GAP GRADED)	390140	201.12	30,800		76,076

Appendix 1

2008 Year Continued

CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
49 06-488804	06-Ker-5-15.0/30.0	6-May-08	RHMA (OPEN GRADED)	390138	20.80.010.122			48,189
50 07-11894	07-Ven-150-45.8	18-Jan-08	RAC (TYPE G)	390128	20.10.201.112			843
51 07-11894	07-Ven-150-18.8	11-Aug-08	RHMA (GAP GRADED)	390137	20.20.201.112			445
52 07-186814	07-LA-10-29.5/50.4	6-Oct-08	RHMA (GAP GRADED)	390140	20.20.201.120	180	23,600	64,192
53 07-1x2404	07-LA-10,710-33.8/34.3,42.1/42.1	15-May-08	RHMA (GAP GRADED)	390137	20.20.201.131		730	1,988
54 07-253404	07-LA-27-3.0	8-Aug-08	RHMA (GAP GRADED)	390137	20.20.201.131	8		20
55 07-259904	07-LA-710-25.9/29.6	19-Aug-08	RHMA (GAP GRADED)	390137	20.20.201.120		7,480	20,348
56 07-2y4304	07-LA-80-30.8/R37.5	24-Mar-08	RAC (TYPE G)	390128	20.80.010.010		6,270	17,054
57 07-2y4804	07-LA-710-18.2/R26.5	3-Dec-08	RHMA (GAP GRADED)	390137	20.80.010.020	5,000		12,350
58 07-2y5104	07-LA-1-9.5/12.2	1-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,430		18,352
59 07-2y5204	07-LA-110, 47-R0.9, R0.0/2.3	29-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	3,980		9,831
60 07-2y8204	07-Ven-33-0.4/1.8	18-Jan-08	RAC (TYPE G)	390128	20.80.010.010	2,610		6,447
61 07-2y8604	07-Ven,LA-118-R52.0/R2.1	29-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010		2,400	6,528
62 07-2y8404	07-LA-710-16.7/17.3	2-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	1,380		3,409
63 07-2y8504	07-LA-134-0.0/1.6	11-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010		830	2,258
64 07-3y1504	07-LA-1-0.1/2.1	23-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,340		18,130
65 07-3Y1804	07-LA-57-R6.8/R7.7	8-Feb-08	RAC (TYPE G)	390128	20.80.010.020	2,300		5,681
66 07-3y2304	07-LA-18-0.0/4.5	29-Dec-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,710		19,044
67 07-3y2604	07-LA-405-13.3/14.7	23-Dec-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,010		17,315
68 07-3y4704	07-LA-1-50.8/56.5	18-Dec-08	RHMA (GAP GRADED)	390137	20.80.010.122	9,650		23,836
69 07-4s3704	07-LA-1-47.5/62.2	9-Oct-08	WEED CONTROL MAT (RUBBER)	14937	20.20.201.015			7,491
70 08-0g8404	08-SBd-15-R124.2/R137.3	16-Apr-08	RHMA (OPEN GRADED)	390138	20.80.010.122		16,500	44,880
71 08-0G7004	08-Riv-10-R105.0/R134.3	7-Mar-08	RHMA (OPEN GRADED)	390138	20.80.010.122	35,600		87,932
72 08-0g7304	08-Riv-10-R144.1/R156.8	17-Mar-08	RHMA (OPEN GRADED)	390138	20.80.010.122	19,000		46,930
73 08-0J0304	08-Riv-85-25.0/28.0	29-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	3,840		9,485
74 08-0J0404	08-SBd-82-94/87,100/104	3-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	11,600		28,652
75 08-0k4604	08-SBd-82-27.2/30.7	28-Mar-08	RHMA (GAP GRADED)	390137	20.80.010.010	1,270		3,137
76 08-0k5704	08-SBd-82-137.3/142.3	23-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,540		18,624
77 08-0k5804	08-SBd-85-42.0/45.0	30-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	4,330		10,685
78 08-0k6304	08-Riv-177-0.0/27.0	14-May-08	RHMA (OPEN GRADED)	390138	20.80.010.122	22,800		56,316
79 08-0k8504	08-Riv-86-0.0/2.4	16-May-08	RHMA (OPEN GRADED)	390138	20.80.010.010	1,430		3,532
80 08-0k9204	08-Riv-91, 216-21.6/21.7, 39.5/4'	30-Jul-08	RHMA (GAP GRADED)	390140	20.20.201.121/HA22	17,700		43,719
81 08-0L6504	08-Riv-82-0.5/4.2	29-Dec-08	RHMA (GAP GRADED)	390137	20.80.010.010	11,900		29,393
82 08-472304	08-Riv-10-R0.0/13.2	21-Nov-08	RHMA (GAP GRADED)	390140	HA22 (20.20.201.120)		12,400	33,728
83 08-2144u4	09-Iny-395-R104.8/122.5	16-Jun-08	RAC (TYPE G)	390126	20.10.075.600		44,500	121,040
84 09-316604	09-Iny-396-R13.7/R19.0	10-Sep-08	RHMA (GAP GRADED)	390140	201.12/20.10.201.120		12,900	35,088
85 09-332104	09-Iny-395-R11.8/25.9	10-Apr-08	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	20,000		49,400
86 09-332604	09-Mno-203-L0.0/R8.7	16-Apr-08	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.010	15,200		37,544
87 09-336704	09-Mno-120,158,395-Var	3-Apr-08	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.010	10,200		25,194
88 09-337004	09-Mno-120,167-Var	15-Apr-08	A-R Binder	370120	20.80.010.010	640		21,293
89 09-338004	09-Mno-395-55.8/58.1,83.9/65.1,	12-Jun-08	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	19,800		48,906
90 09-339104	09-Iny,Mno-6,168-Var	19-Dec-08	A-R Binder	370120	20.80.010.010	1,050		34,934
91 09-339704	09-Iny-395-R11.8/R20.4	3-Nov-08	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	12,200		30,134
92 10-0a8704	10-Sta-219-0.1/2.8	19-Jun-08	RAC (TYPE G)	390126	20.20.721.600 (HB4C)		6,000	16,320
93 10-0g7504	10-Tuo-120-R3.5/6.0	15-Aug-08	RHMA (GAP GRADED)	390140	20.20.201.121	11,100		27,417
94 10-0g7604	10-SJ-88-12.6/16.4	19-Aug-08	RHMA (GAP GRADED)	390137	20.20.201.121/HA22	9,720		24,008
95 10-0H3804	10-Cal-12-22.5/23.3	21-Feb-08	RHMA (GAP GRADED)	390137	20.20.201.310		670	1,822
96 10-0I7204	10-Sta-108-30.5/31.6	2-Sep-08	RHMA (GAP GRADED)	390137	201.01	2,810		6,941
97 10-0M3704	10-Cal,Am-4,104-24.0/28.0;0.0/	31-Jan-08	RAC (TYPE G)	390128	20.80.010.010	10,400		25,688
98 10-0m4304	10-Tuo-49-12.8/16.5	16-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	5,500		13,585
99 10-0m8404	10-Alp-207-0.0/2.2	22-Apr-08	RHMA (GAP GRADED)	390137	20.20.201.120		3,930	10,690
100 10-0n0104	10-SJ-5-0.3/R13.8	24-Mar-08	RHMA (GAP GRADED)	390140	20.80.010.122	17,500		43,225
101 10-0N5804	10-SJ-580-9.0/15.3	11-Feb-08	RAC (TYPE G)	390128	20.80.010.010	10,400		25,688

2008 Year Continued

CONTRACT	DIST/CORTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES	
102 10-0n5904	10-Cal-12-10.2/18.2	8-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,250		17,908	
103 10-0a2804	10-SJ-5-R13.8/25.4	9-May-08	RHMA (GAP GRADED)	390140	20.80.010.010	19,500		48,165	
104 10-0a4204	10-SJ-4-25.0/29.5	12-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,050		17,414	
105 10-3a7404	10-Sta-108-R36.1/42.6	6-Aug-08	RHMA (GAP GRADED)	390140	20.20.201.120/HA22		18,000	48,060	
106 11-281204	11-SD-87-R18.5/24.4	21-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	8,230		20,328	
107 11-276814	11-imp-111-R4.7/78.2	12-May-08	RHMA (OPEN GRADED)	390138	20.80.010.122	8,200		20,254	
108 11-277014	11-SD-78-0.0/3.3	14-May-08	RHMA (GAP GRADED)	390137	20.80.010.122	7,810		18,291	
109 11-277604	11-imp-78-15.5/41.0	20-Oct-08	RHMA (OPEN GRADED)	390138	20.80.010.122	7,960		19,661	
110 11-277604	11-imp-78-15.5/41.0	20-Oct-08	A-R Binder	370120	20.80.010.122	1,230		40,922	
111 11-285104	11-SD-78-57.9/68.0	9-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,030		17,364	
112 11-287404	11-imp-115-21.2/35.2	14-Feb-08	A-R Binder	370120	20.80.010.010	710		23,622	
113 12-0C8404	12-Ora-5-42.8/43.6	13-Mar-08	RAC (TYPE G)	390128	20.20.075.600/20.20.40		750	2,040	
114 12-0a0704	12-Ora-5-15.2/16.0	22-Jul-08	RAC (TYPE G)	390128	20.20.075.600	1,860		4,594	
115 12-0F8204	12-Ora-5-13.8	19-Mar-08	RAC (TYPE G)	390128	201.31	890		2,198	
116 12-0G2204	12-Ora-22,405,805-R0.0/R0.6,23	22-Sep-08	RHMA (GAP GRADED)	390137	20.20.201.121	9,620		24,502	
117 12-0h0094	12-Ora-90, 142-2.6/5.1, 0.8/1.8	27-May-08	RHMA (GAP GRADED)	390140	20.80.010.010	11,500		28,405	
118 12-0h1804	12-Ora-1-18.5/19.8	22-Jan-08	RAC (TYPE G)	390128	20.80.010.122	4,300		10,821	
119 12-0h2194	12-Ora-261-0.0/8.3	18-Apr-08	RAC (TYPE G)	390128	20.80.010.122	30,300		74,841	
120 12-0h3404	12-Ora-55-11.6/17.6	11-Apr-08	RAC (TYPE O)	390127	20.80.010.122	40,800		100,282	
121 12-0H3604	12-Ora-241-14.4/17.5	5-Mar-08	RAC (TYPE O)	390127	20.80.010.122	7,500		18,525	
122 12-0J4604	12-Ora-55-0.0/0.5	21-Feb-08	RAC (TYPE G)	390128	20.80.010.010	1,340		3,310	
						<b>TOTAL 2008</b>	<b>1,063,698</b>	<b>468,220</b>	<b>4,053,823</b>

2009 Year

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1 02-0E6504	02-Las-139-40.0/53.0	09-Jun-09	ASPHALT-RUBBER BINDER	370120	20.80.010.010	490		16,302
2 02-1E3204	02-Mod-395-0.0/20.8	08-Jun-09	ASPHALT-RUBBER BINDER	370120	20.80.010.122	970		32,272
3 03-0C2814	03-Col,Pla,Sac-5, 51, 60, 99-Var	17-Jun-09	WEED CONTROL MAT (RUBBER)	16185	20.10.201.315			318
4 03-366804	03-But-99-13.8/21.1	26-Jun-09	WEED CONTROL MAT (RUBBER)	15430	20.20.201.120			1,403
5 03-367834	03-Pla-80-4.5/8.3	10-Aug-09	RHMA (OPEN GRADED)	390138	20.20.721.000		13,400	36,448
6 03-388004	03-Yol-60-0.9/3.0	14-May-09	RAC (TYPE O)	390127	20.10.075.600, 20		110	299
7 03-3A6314	03-But-70-18.7/21.9	12-Aug-09	RHMA (OPEN GRADED)	390138	20.10.025.700		3,620	9,846
8 03-3C8804	03-Sut-70, 99-0.0/0.7, 0.0/8.7	05-Jun-09	RHMA (OPEN GRADED)	390138	20.20.201.121	29,500		72,865
9 03-3M1104	03-Sac-51-5.3/8.5	19-Feb-09	RHMA (OPEN GRADED)	390138	20.80.010.122	13,500		33,345
10 03-441614	03-Sac-50-R5.3/12.8	26-Oct-09	RHMA (OPEN GRADED)	390138	20.10.075.600	50,130		123,821
11 04-0A18U4	04-Son-101-14.4/22.4	23-Dec-09	RHMA (GAP GRADED)	390140	20.10.075.600		28,300	76,976
12 04-0C9014	04-SCI-101-R27.6/40.2	12-Nov-09	RHMA (GAP GRADED)	390140	20.10.201.121	135,000		333,450
13 04-128654	04-Son-101-22.4/25.0	03-Mar-09	RHMA (GAP GRADED)	390137	20.20.721		6,610	17,979
14 04-171334	04-Ala-84,580-46.4/47.2,21.0/24.	23-Jul-08	RHMA (GAP GRADED)	390137	20.xx.721.000		6,240	16,973
15 04-171334	04-Ala-84,580-46.4/47.2,21.0/24.	23-Jul-08	RHMA (OPEN GRADED)	390138	20.xx.721.000		6,410	17,435
16 04-1E1904	04-Nep-29-21.3/28.3	08-Jun-09	RHMA (GAP GRADED)	390137	20.80.010.010	3,970		9,806
17 04-1E3204	04-SM-101-23.0/26.1	20-Jul-09	RHMA (GAP GRADED)	390140	20.80.010.123	15,800		39,026
18 04-1E3904	04-SCI-35-7.7/14.1	16-Jul-08	RHMA (GAP GRADED)	390137	20.80.010.123	7,840		19,365
19 04-1E5304	04-Son-12-21.7/29.6	02-Apr-09	RHMA (GAP GRADED)	390140	20.80.010.122	14,300		35,321
20 04-1E5404	04-Sol-29-0.0/6.0	07-May-09	RHMA (GAP GRADED)	390140	20.80.010.122	20,300		50,141
21 04-1E5504	04-SM-101-6.6/11.9	05-Mar-09	RHMA (GAP GRADED)	390140	10.122	19,000		48,930
22 04-1E5604	04-Mm-131-0.0/4.0	20-Apr-09	RHMA (GAP GRADED)	390137	20.80.010.122	8,570		21,168
23 04-263724	04-CC-80-15.3/21.9	22-Oct-09	RHMA (GAP GRADED)	390140	H15		4,630	12,594
24 04-272024	04-SCI-280-5.1/7.8	19-Jun-09	RHMA (GAP GRADED)	390140	201.020.1120	10,100		24,947
25 04-290834	04-Ala-580-21.2/ 30.7	22-Jul-09	RAC (TYPE G)	390128	20.20.710.870; 20.20		29,100	79,152
26 04-290834	04-Ala-580-21.2/ 30.7	22-Jul-09	RAC (TYPE O)	390127	20.20.710.870; 20		18,800	53,856

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CONTRACT	DIST/COR/TE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
27 04-294914	04-CC,Ala-24-8.2/10.0.0/2.7	10-Nov-09	WEED CONTROL MAT (RUBBER)	15831	20.20.075.600 STIP-RIP			9,283
28 04-294924	04-Ala-24-7.6/8.8	22-Dec-09	WEED CONTROL MAT (RUBBER)	15503	20.20.400.000			3,778
29 04-294934	04-Ala-24-R8.8	23-Dec-09	WEED CONTROL MAT (RUBBER)	15519	20.20.025.700			853
30 04-4A5904	04-Ala-24-R2.0/R2.8	01-Jun-09	RHMA (GAP GRADED)	390137	20.20.201.121	3,560		8,793
31 04-4C15U4	04-Sol-80-15.4/20.1	21-Apr-09	RHMA (GAP GRADED)	390140	20.10.201.120	42,900		105,963
32 04-4C3404	04-SCI-880-6.7/8.4	14-May-09	RHMA (GAP GRADED)	390137	20.20.201.121	3,730		9,213
33 06-DG0304	05-SLO-101-35.8/48.3	31-Dec-09	RHMA (GAP GRADED)	390140	20.20.201.120	51,400		128,958
34 05-0N3104	05-Mon-101-R1.9/R9.6	09-Feb-09	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	18,100		39,767
35 05-0R7704	05-SLO-101-58.9/63.6	04-Mar-09	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	12,600		31,122
36 05-0R7804	05-Mon-101-98.8/101.3	17-Feb-09	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	7,200		17,784
37 06-0H9004	06-Ker-33, 46-45.5/54.8, 37.5/43.	01-May-09	RHMA (GAP GRADED)	390140	20.80.010.010	16,000		39,520
38 06-0J3704	06-Ker-58-R118.0/R143.8	11-Feb-09	RHMA (GAP GRADED)	390140	20.80.010.122	26,300		64,961
39 06-0J3804	06-Ker-395-0.0/8.7	28-Jan-09	RHMA (GAP GRADED)	390140	20.80.010.122	12,500		30,875
40 06-0J4004	06-Ker-46, 58, 99-Var	20-Mar-09	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	19,600		48,412
41 06-0J4804	06-Fre-5-48.6/65.8	03-Jun-09	RHMA (BONDED WEARING COURSE-OPEN GRADED)	390159	20.80.010.122	24,600		60,762
42 06-0J5004	06-Med-152-R0.0/15.3	05-Jun-09	RHMA (OPEN GRADED)	390138	20.80.010.122	10,700		26,429
43 06-0K6504	06-Fre,Kin-33,198,289-Var	20-May-09	RHMA (GAP GRADED)	390140	20.80.010.010	23,500		58,045
44 06-0K6604	06-Ker-14-37.1/48.2	20-Apr-09	RHMA (OPEN GRADED)	390138	20.80.010.122	15,300		37,791
45 06-0K6704	06-Ker-43,119-0.0/6.1, R10.0/19.	14-Apr-09	RHMA (GAP GRADED)	390137	20.80.010.010	2,400		5,928
46 06-0K6704	06-Ker-43,119-0.0/6.1, R10.0/19.	14-Apr-09	RHMA (OPEN GRADED)	390138	20.80.010.010	12,500		30,875
47 06-0K7004	06-Med-49-1.4/9.2	13-May-09	RHMA (GAP GRADED)	390137	20.80.010.010	9,780		24,107
48 06-0K9104	06-Fre-33,168-Var	08-Jun-09	RHMA (GAP GRADED)	390137	20.80.010.010	8,890		21,958
49 06-0K9304	06-Med-41, 145-9.3/11.4, 16.6/20.	28-Apr-09	RHMA (GAP GRADED)	390137	20.80.010.010	7,430		18,352
50 06-0L1104	06-Ker-46, 99-43.0/49.0, R31.1/3	23-Dec-09	RHMA (GAP GRADED)	390140	20.80.010.010HM1A	9,280		22,872
51 06-0L1104	06-Ker-46, 99-43.0/49.0, R31.1/3	23-Dec-09	RHMA (OPEN GRADED)	390138	20.80.010.010HM1A	2,780		6,867
52 07-0P7904	07-LA-5-16.6	10-Jun-09	RHMA (GAP GRADED)	390137	20.20.201.121	270		667
53 07-2411U4	07-LA-110-34.1/36.7	12-Nov-09	RHMA (GAP GRADED)	390137	20.20.201.310		170	462
54 07-262714	07-LA-5-39.4/R43.9	28-Sep-09	RHMA (GAP GRADED)	390137	20.20.201.121	1,590		3,927
55 07-268704	07-Ven-118-R43.3/R52.3	24-Nov-09	RHMA (GAP GRADED)	390140	20.20.075.600		14,000	38,080
56 07-269004	07-LA-710-17.9/20.8	06-Aug-09	RHMA (GAP GRADED)	390140	20.20.201.120	24,600		60,762
57 07-2Y4104	07-LA-10-33.2/35.1	09-Feb-09	RHMA (GAP GRADED)	390137	20.80.010.010	3,400		8,398
58 07-2Y4604	07-LA-01-R15.4/R20.5	16-Mar-09	RHMA (GAP GRADED)	390137	20.80.010.020	1,630		4,028
59 07-2Y4904	07-LA-27-14.8/17.0	20-Jan-09	RHMA (GAP GRADED)	390137	20.80.010.010	7,400		18,278
60 07-2Y5904	07-LA-118-R2.4/R5.9	12-Jan-09	RHMA (GAP GRADED)	390137	20.80.010.020	2,660		6,570
61 07-2Y6304	07-Ven-34-13.8/17.6	16-Jun-09	RHMA (GAP GRADED)	390137	20.80.010.020	8,270		20,427
62 07-2Y6404	07-Ven-33-42.0/46.5	02-Feb-09	RHMA (GAP GRADED)	390137	20.80.010.010	7,210		17,809
63 07-3Y2504	07-LA-5-15.3/16.1	06-Jan-09	RHMA (GAP GRADED)	390137	20.80.010.020	3,890		9,114
64 07-3Y2704	07-LA-138-89.3/75.0	23-Feb-09	ASPHALT-RUBBER BINDER	370120	20.80.010.010	250		6,318
65 07-3Y3404	07-LA-2-15.0/R22.8	17-Apr-09	RHMA (GAP GRADED)	390140	20.80.010.020	1,210		2,989
66 07-3Y4304	07-LA-213-3.4/8.0	01-Apr-09	RHMA (GAP GRADED)	390137	20.80.010.010	120		296
67 07-3Y5204	07-LA-1-4.5/6.8	02-Apr-09	RHMA (GAP GRADED)	390137	20.80.010.010	7,710		19,044
68 07-3Y7104	07-LA-5-11.8/12.8	08-Dec-09	RHMA (GAP GRADED)	390137	20.80.010.010	4,150		10,251
69 07-3Y7804	07-LA-210-R6.1/R14.2	26-Oct-09	RHMA (GAP GRADED)	390140	20.80.010.020	13,400		33,098
70 07-3Y8104	07-LA-134-2.6/9.0	03-Aug-09	RHMA (GAP GRADED)	390137	20.80.010.123	7,940		19,812
71 07-4Y1104	07-LA-138-89.3/75.0	04-Nov-09	RHMA (GAP GRADED)	390137	20.80.010.020	7,300		18,031
72 08-0H7604	08-SBd-10-25.3/29.2	20-Mar-09	RHMA (GAP GRADED)	390137	20.20.201.310 (HB4N)	1,100		2,717
73 08-0K7804	08-SBd-15-R28.9/40.4	12-Jan-09	RHMA (OPEN GRADED)	390138	20.80.010.122	27,600		68,172
74 08-0K8004	08-SBd-395-51.9/58.1/61.0/65.6	16-Jun-09	RHMA (GAP GRADED)	390140	20.80.010.123	10,300		25,441
75 08-0L2904	08-SBd-38-R5.0/15.0	14-Apr-09	ASPHALT-RUBBER BINDER	370120	20.80.010.010	520		17,300
76 08-0L3104	08-SBd-138-9.0/13.0	13-Apr-09	RHMA (GAP GRADED)	390137	20.80.010.010	4,080		10,078
77 08-0L3604	08-SBd-40-R3.0/R15.4	27-Mar-09	RHMA (OPEN GRADED)	390138	20.80.010.122	24,000		59,260
78 08-0L5904	08-Riv-215-22.5/38.0	27-Feb-09	RHMA (OPEN GRADED)	390138	20.80.010.122	26,300		64,961

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CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
79 08-0L6704	08-Riv-10-R25.1/44.5	14-Apr-09	RHMA (OPEN GRADED)	390138	20.80.010.122	46,600		112,632
80 08-0L7404	08-SBd-18-72.1/87.9	27-Apr-09	RHMA (OPEN GRADED)	390138	20.80.010.010	17,000		41,980
81 08-0L9804	08-Riv-10-R80.9/74.0	09-Mar-09	RHMA (OPEN GRADED)	390138	20.80.010.122	15,500		38,285
82 09-289014	09-Inv,Mno-395-R208.9/R208.4	11-Feb-09	RHMA (GAP GRADED)	390140	20.xx.201.120		23,000	62,660
83 09-339204	09-Mno-395-R12.6/36.1	18-Jun-09	ASPHALT-RUBBER BINDER	370120	20.80.010.122	1,570		52,234
84 10-0G3204	10-SJ-88-6.7/7.4	26-May-09	RHMA (OPEN GRADED)	390138	20.20.201.010		730	1,986
85 10-0G7704	10-Sta-33-0.5/1.5,12.6/14.5	17-Aug-09	RHMA (GAP GRADED)	390140	20.20.201.121	11,800		29,146
86 10-0H04U4	10-SJ-4-8.7/R11.1	03-Sep-09	RHMA (GAP GRADED)	390140	20.20.201.010		4,280	11,042
87 10-0K7004	10-Sta-99, 219-R22.6, 0.1	15-Jul-09	RHMA (GAP GRADED)	390137	20.20.201.310	1,030		2,544
88 10-0L6304	10-SJ,Sta-89-R24.3/R24.8, 0.0/1	07-Dec-09	RHMA (GAP GRADED)	390140	20.20.201.020	11,300		27,911
89 10-084004	10-Mer-152 -R0.0/R13.2	01-Apr-09	RHMA (GAP GRADED)	390140	20.80.010.122	34,000		83,980
90 10-0S4104	10-Cal,Ama-49-R20.5/30.9,0.0/4.	06-Jan-09	RHMA (GAP GRADED)	390140	20.80.010.010	15,800		39,028
91 10-0S4304	10-SJ-205-L0.0/R3.2	27-Apr-09	RHMA (GAP GRADED)	390137	20.80.010.122	9,570		23,638
92 10-0S4504	10-Two-49-18.6/R27.5	11-Jun-09	RHMA (GAP GRADED)	390137	20.80.010.010	9,180		22,675
93 10-0S4604	10-Mer,Sta-33- R0.0/L5.6, 17.8/2	16-Jun-09	RHMA (GAP GRADED)	390140	20.80.010.010	16,400		40,508
94 10-0S4704	10-Ama-88-32.3/38.0	11-Jun-09	RHMA (GAP GRADED)	390140	20.80.010.010	7,130		17,811
95 10-283204	10-SJ-4-R13.4/T23.0	23-Jul-08	RHMA (GAP GRADED)	390140	20.20.201.120		14,400	39,168
96 10-3A6504	10-Sta-132-L24.1/27.1	10-Apr-09	RAC (TYPE G)	390128	201.12		15,600	42,432
97 11-281714	11-SD-94-1.5/R13.4	24-Jun-09	WEED CONTROL MAT (RUBBER)	16152	20.20.201.230			289
98 11-277704	11-SD-79-2.0/35.3	13-Apr-09	RHMA (OPEN GRADED)	390138	20.80.010.122	13,200		32,604
99 11-296004	11-imp-7-0.0/1.2	02-Jan-09	RHMA (GAP GRADED)	390137	20.80.010.010	6,880		16,994
100 11-296404	11-SD-94-52.9/65.4	13-Feb-09	RHMA (OPEN GRADED)	390138	20.80.010.122	3,010		7,435
101 11-296404	11-SD-94-52.9/65.4	13-Feb-09	RHMA (TYPE O, SASO BIT)	15628	20.80.010.122	2,930		7,237
102 11-296404	11-SD-94-52.9/65.4	13-Feb-09	RHMA (TYPE O, ADVE RA)	15629	20.80.010.122	2,980		7,381
103 11-296404	11-SD-94-52.9/65.4	13-Feb-09	RHMA (TYPE O, EVOT HERM)	15630	20.80.010.122	3,050		7,534
104 11-296504	11-SD-8, 163-R0.7/2.9, 3.3/4.0	08-Jun-09	RHMA (BONDED WEARING COURSE-GAP GRADED)	390158	20.80.010.122	13,300		32,851
105 12-085104	12-Ora-39,72-19.2/23.2,11.4/11.8	09-Jul-08	RHMA (GAP GRADED)	390137	20.20.201.120	28,800		68,196
106 12-0J0904	12-Ora-90-5.1/8.1	11-Jun-09	RHMA (GAP GRADED)	390140	20.80.010.010	11,500		28,405
107 12-0J0904	12-Ora-1-4.6/9.8,12.2/14.1	04-Jun-09	RHMA (GAP GRADED)	390137	20.80.010.123	7,330		18,105
108 12-0J7104	12-Ora-65-0.3/1.4	09-Apr-09	RHMA (GAP GRADED)	390137	20.80.010.010	4,960		12,251
109 12-0J8404	12-Ora-241-24.9/27.8	09-Feb-09	RHMA (OPEN GRADED)	390138	20.80.010.122	19,000		46,930
110 12-0J9704	12-Ora-405-9.8/10.8	29-Jun-09	RHMA (GAP GRADED)	390137	20.20.201.121	2,810		6,941
111 12-0J9704	12-Ora-405-9.8/10.8	29-Jun-09	ASPHALT-RUBBER BINDER	370120	20.20.201.121	8		200
112 12-0K2004	12-Ora-73-10.0/22.5	25-Jun-09	RHMA (OPEN GRADED)	390138	20.80.010.122	76,900		189,943
						1,266,716	190,400	3,762,663

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CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
1 01-0A0704	01-Lak-29-R40.6/R48.4	14-Jun-10	RHMA (GAP GRADED)	390137	Maint/10	31,800		78,546
2 01-459404	01-Hum-86-0.5/3.7	24-Nov-10	RHMA (GAP GRADED)	390137	SHOPP / HA22	9,970		24,626
3 01-467514	01-Lak-175-19.5/28.0	29-Apr-10	ASPHALT-RUBBER BINDER	370120	20.80.010.010	450		14,972
4 01-491204	01-Lak-29-0.0/11.9	21-Apr-10	ASPHALT-RUBBER BINDER	370120	20.80.010.010	610		20,295
5 02-1E8904	02-Mod,Sis-89, 139-7.0/24.2 RO.	12-Jan-10	ASPHALT-RUBBER BINDER	370120	20.80.010.010	1,010		33,603
6 02-2E8404	02-Sha-273-7.1/11.0	26-Dec-10	RHMA (OPEN GRADED)	390138	SHOPP / HA22	8,700		21,489
7 02-2E8404	02-Sha-273-7.1/11.0	26-Dec-10	ASPHALT RUBBER BINDER	19734	20.20.201.121	500		16,635
8 02-371004	02-Sha-5-0.9/R4.3	21-Apr-10	RHMA (OPEN GRADED HIGH BINDER)	390139	20.20.721.000	9,040		22,329
9 03-1A4324	03-Sul-99-10.9/14.7	14-Jul-10	RHMA (OPEN GRADED)	390138	STIP / HE13	7,850		18,896
10 03-1A9504	03-Yol-505-0.7/12.4	18-Nov-10	RHMA (OPEN GRADED)	390138	SHOPP / HA22	470		1,161
11 03-1E8704	03-Sac-99-0.1/12.0	08-Dec-10	RHMA (OPEN GRADED)	19510	SHOPP / HA22	22,400		55,328
12 03-1F3704	03-Bul,Sul-99-Var	24-Nov-10	RHMA (OPEN GRADED)	19231	SHOPP / HA22	21,300		52,611
13 03-1F4504	03-Sac-5-17.2/22.8, 24.2/24.8	21-Dec-10	RHMA (OPEN GRADED)	390138	SHOPP / HA22	5,510		13,610
14 03-1F4704	03-Sul-20-11.2/17.0	13-Dec-10	RHMA (OPEN GRADED)	19842	SHOPP / HA22	10,300		25,441
15 03-1F4804	03-Yol-5-R14.0/R21.8	31-Dec-10	RHMA (GAP GRADED)	19843	SHOPP / HA22	48,500		119,795
16 03-1F4804	03-Yol-5-R14.0/R21.8	31-Dec-10	RHMA (OPEN GRADED)	19842	SHOPP / HA22	15,500		38,285
17 03-1F5004	03-Sul-99-T49.2/R51.8	10-Dec-10	WEED CONTROL MAT (RUBBER)	19513	20.10.201.210			1,295

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CONTRACT	DIST/CORTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
18 03-2A6804	03-Nov-49-15.4/18.0	28-May-10	RHMA (OPEN GRADED)	390138	20.20.075.600		3,050	8,296
19 03-3E3904	03-Sac-99-18.8/18.1	23-Jun-10	RHMA (OPEN GRADED)	390138	STIP	8,650		18,428
20 03-3M1904	03-Gle-32-R4.3/R4.8,5.9/10.8	15-Mar-10	RHMA (GAP GRADED)	390137	20.80.010.010	7,090		17,512
21 03-4A5304	03-But,Col,ED,Gle,Pla,Sac,Yol,Y	11-Oct-10	WEED CONTROL MAT (RUBBER)	17545	SHOPP / HB1/15			72,020
22 03-4M1404	03-Pla-49-7.5/R11.0	28-Jun-10	RHMA (OPEN GRADED)	18933	Maint / 10	8,800		21,736
23 04-0C8524	04-Mm-101-12.8/18.8	28-Dec-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	95,800		238,628
24 04-1E1804	04-Sol-84-7.5/13.7	13-Dec-10	ASPHALT-RUBBER BINDER	370120	20.80.010.010	200		6,654
25 04-1E2904	04-Nap-121-6.0/9.4	22-Jun-10	RHMA (BONDED WEARING COURSE-GAP GRADED)	390156	Maint / 10	2,560		6,323
26 04-1E7204	04-SM-92-7.3/13.9	22-Jun-10	RHMA (GAP GRADED)	390140	Maint / 124	22,100		54,567
27 04-1E7404	04-SM-82-8.8/12.1	20-May-10	RHMA (GAP GRADED)	390140	20.80.010.124	11,500		28,405
28 04-1E8804	04-SCL-26 & 166-0.0/2.5 & 0.0/0.1	24-Jun-10	RHMA (GAP GRADED)	390137	Maint / 10	5,990		14,795
29 04-1E9904	04-Nap-221-0.0/2.7	16-Jun-10	RHMA (GAP GRADED)	390137	Maint / 10	9,220		22,773
30 04-3A3004	04-Sol-80-38.3/44.7	06-Jul-10	RHMA (GAP GRADED)	390140	SHOPP	74,300		183,521
31 04-4470U4	04-CC-680-0.0/R12.8	18-Nov-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	88,400		218,348
32 04-4470U4	04-CC-680-0.0/R12.8	18-Nov-10	ASPHALT-RUBBER BINDER	370120	SHOPP / 201.12	22		732
33 04-447904	04-Aia-238-0.0/3.3,3.5/7.8	07-Jul-10	RHMA (GAP GRADED)	390140	SHOPP	55,400		136,838
34 04-447904	04-Aia-238-0.0/3.3,3.5/7.8	07-Jul-10	ASPHALT-RUBBER BINDER	370120	SHOPP / 120	1,060		35,372
35 04-4C3604	04-Nap-128-2.6/4.0	21-Dec-10	RHMA (GAP GRADED)	390137	SHOPP / HA22	5,300		13,091
36 04-4C3604	04-Nap-128-2.6/4.0	21-Dec-10	ASPHALT-RUBBER BINDER	370120	20.20.201.121	40		1,331
37 05-0S1804	05-SLO-41-41.2/43.8	08-Apr-10	RHMA (GAP GRADED)	390137	20.80.010.010	2,790		6,891
38 05-0S6204	05-SLO-46-29.8/31.1, 31.4/32.0	23-Jun-10	RHMA (GAP GRADED)	390137	20.80.010.124	6,780		16,747
39 05-330724	05-SLO-46-36.8/41.2	25-Oct-10	RHMA (GAP GRADED)	390140	STIP / HE13	24,800		61,256
40 06-0E2204	06-Mad-99-22.7/29.4	31-Dec-10	RHMA (GAP GRADED)	390140	SHOPP	48,700		120,289
41 06-0H2504	06-Ker-178-13.7/16.0, 20.0/27.2	24-Nov-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	17,000		41,990
42 06-0L0604	06-Ker-14, 395-59.9/64.8; 29.8/31	21-Jun-10	RHMA (GAP GRADED)	390140	Maint / 122	28,600		65,702
43 06-0L0904	06-Fre-5-37.2/48.6	28-Jun-10	RHMA (OPEN GRADED HIGH BINDER)	390139	Maint / 122	18,000		44,460
44 06-0L1504	06-Ker-33, 58-63.0/68.8, 15.4/21.1	25-May-10	RHMA (GAP GRADED)	390140	20.80.010.010	13,300		32,851
45 06-0L1704	06-Fre-33-53.0/57.4	19-May-10	RHMA (GAP GRADED)	390137	20.80.010.010	4,940		12,202
46 06-0L7404	06-Ker,Tul-85-6.1/25.2,0.0/11.8	22-Jun-10	RHMA (GAP GRADED)	390140	20.80.010.122	36,800		87,932
47 06-446704	06-Tul-216-2.9/11.7	02-Dec-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	15,500		38,285
48 06-448104	06-Tul-245-0.0/12.0	30-Dec-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	17,900		44,213
49 06-463704	06-Ker-58-21.7/27.2	08-Apr-10	RHMA (GAP GRADED)	390140	20.20.201.121	14,900		36,803
50 06-460004	06-Kn-198-R9.2/R14.7	23-Mar-10	RHMA (GAP GRADED)	390140	20.20.201.121	13,000		32,110
51 07-1218V4	07-LA-5-50.8/58.0	14-Oct-10	RHMA (GAP GRADED)	390140	STIP		13,500	38,720
52 07-1219U4	07-LA-5,170-58.0/63.4,R32.3/R3:	06-May-10	RHMA (GAP GRADED)	390137	20.20.075.600		4,290	11,889
53 07-253304	07-LA-60-R23.9/R30.5	14-Oct-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	41,500		102,505
54 07-253804	07-LA-210-R25.8/R47.0	18-Nov-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	104,000		258,880
55 07-2Y5304	07-Ven-23-R12.9/17.8	07-Apr-10	RHMA (GAP GRADED)	390137	20.80.010.010	6,780		16,997
56 07-2Y5304	07-Ven-23-R12.9/17.8	07-Apr-10	ASPHALT-RUBBER BINDER	370120	20.80.010.010	21		699
57 07-3P1804	07-LA-5-24.3	23-Feb-10	WEED CONTROL MAT (RUBBER)	17370	20.20.201.170			1,083
58 07-3Y4404	07-Ven-33-20.8/29.6	08-Feb-10	RHMA (GAP GRADED)	390137	20.80.010.010	9,350		23,095
59 07-3Y4504	07-Ven-101-8.9/11.5	24-Jun-10	RHMA (BONDED WEARING COURSE-GAP GRADED)	390156	20.80.010.124	8,540		21,094
60 07-3Y4504	07-Ven-101-8.9/11.5	20-Dec-10	RHMA (BONDED WEARING COURSE-GAP GRADED)	390156	Maint / HM1	8,540		21,094
61 07-3Y7504	07-LA-5, 60, 605-Var	14-Jan-10	RHMA (GAP GRADED)	390137	20.80.010.020	4,090		10,102
62 07-3Y8204	07-LA-118-R2.7/R13.4	17-Jun-10	RHMA (GAP GRADED)	390137	20.80.010.124	5,840		14,425
63 07-3Y8404	07-Ven-118-0.5/15.7	17-Dec-10	RHMA (BONDED WEARING COURSE-GAP GRADED)	390156	Maint / HM1	14,300		35,321
64 07-3Y8504	07-LA-27-17.0/18.8	24-Mar-10	RHMA (GAP GRADED)	390137	20.80.010.020	5,280		13,042
65 07-3Y9004	07-LA- 47, 103-4,3/4.6, 0.0/1.8	18-Jun-10	RHMA (GAP GRADED)	390137	20.80.010.124	4,090		10,102
66 07-3Y9304	07-LA-405-13.4/17.1	14-Jun-10	RHMA (GAP GRADED)	390140	20.80.010.124	11,300		27,911
67 07-4S7004	07-LA-213-0.0/0.3	28-Jun-10	RHMA (GAP GRADED)	390137	Minor A / 121	2,160		5,335
68 08-0A5504	08-Riv-91-R0.0/9.0	28-Jan-10	RHMA (GAP GRADED)	390140	20.10.201.121	14,500		35,815
69 08-0C0204	08-SBd-2-0.9/2.4	29-Sep-10	RHMA (GAP GRADED)	390137	SHOPP	870		1,856
70 08-0M5004	08-SBd-40-S0.0/S0.8	18-Jun-10	RHMA (GAP GRADED)	390137	20.80.010.010	2,380		5,879

2010 Year Continued

CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
71 08-0M8604	08-SBd-247-0.0/8.5, 36.6/68.8	16-Jun-10	RHMA (OPEN GRADED)	390138	20.80.010.124	41,500		102,505
72 08-0N1104	08-SBd-62-18.2/26.7, 66.0/79.5	07-Jun-10	RHMA (GAP GRADED)	390137	20.80.010.010	17,000		41,990
73 08-0N1304	08-SBd-18-53.0/72.1	25-Jun-10	RHMA (BONDED WEARING COURSE-GAP GRADED)	390156	20.80.010.124	18,500		40,755
74 08-0N2504	08-SBd-395-12.0/73.5	24-Jun-10	RHMA (GAP GRADED)	390140	20.80.010.122	42,200		104,234
75 08-0N2904	08-Riv-111-T53.0/58.2	14-Jan-10	RHMA (OPEN GRADED)	390138	20.80.010.010	7,200		17,784
76 08-0N3004	08-Riv-60-13.3/30.4	23-Jun-10	RHMA (OPEN GRADED)	390138	20.80.010.124	39,200		96,824
77 08-0N7004	08-SBd-18-87.9/101.0	09-Jun-10	RHMA (GAP GRADED)	390140	20.80.010.122	26,100		64,467
78 08-1A3604	08-Riv-60-2.9	18-Mar-10	RHMA (GAP GRADED)	390137	Minor A / 201.31	100		247
79 10-0A0104	10-Cal-4-14.5/14.8	21-Dec-10	RHMA (GAP GRADED)	390137	SHOPP / HB1	3,510		8,670
80 10-0E9404	10-Mer-33-17.1/26.5	13-Dec-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	13,400		33,098
81 10-0E9404	10-Mer-33-17.1/26.5	13-Dec-10	WEED CONTROL MAT (RUBBER)	19652	20.20.201.121			1,083
82 10-0Q2004	10-Cal-4-R58.0/R66.9	22-Dec-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	16,000		39,520
83 10-0Q2704	10-SJ-205-1.9/R7.9	12-Oct-10	RHMA (GAP GRADED)	390140	STIP	10,900		26,923
84 10-0S4804	10-SJ-33-0.0/5.0	04-May-10	RHMA (GAP GRADED)	390137	20.80.010.010	6,740		16,648
85 10-0S5004	10-Alp-4-R0.0/9.0	08-Jun-10	RHMA (GAP GRADED)	390137	Maint / 124	9,860		24,601
86 10-0S5104	10-Mer-140-11.9/24.0	28-May-10	RHMA (GAP GRADED)	390140	20.80.010.124	17,000		41,990
87 10-0S5304	10-Mer-152-11.5/16.1	27-May-10	RHMA (GAP GRADED)	390137	20.80.010.010	6,110		15,082
88 10-0S5404	10-Alp-89-0.0/10.0	14-Jun-10	RHMA (GAP GRADED)	390140	20.80.010.124	9,900		24,453
89 10-0S5504	10-Sta-4-0.0/R8.9	10-Jun-10	RHMA (GAP GRADED)	390137	Maint / 122	9,800		24,453
90 10-0T9604	10-SJ-4-0.0/4.4	13-May-10	RHMA (GAP GRADED)	390137	20.80.010.124	6,820		17,092
91 10-0T9704	10-Ama-88-5.5/14.3, 0.0/2.0	28-May-10	RHMA (GAP GRADED)	390140	20.80.010.010	14,100		34,827
92 10-0T9804	10-Tuo-49-0.0/R8.4	17-May-10	RHMA (GAP GRADED)	390137	20.80.010.010	5,370		13,264
93 10-0U0304	10-Mer-185-30.0/36.7	27-May-10	RHMA (GAP GRADED)	390137	20.80.010.124	9,540		23,564
94 10-0U0404	10-Sta-106,120-37.2/38.2, 4.1/6.1	08-Jun-10	RHMA (GAP GRADED)	390137	20.80.010.122	7,650		18,896
95 10-0V1604	10-SJ-120-R0.5/R6.4	04-Nov-10	RHMA (BONDED WEARING COURSE-GAP GRADED)	390158	SHOPP / HA22	19,800		48,412
96 10-379304	10-Cal-12-3.0/9.9	05-May-10	RHMA (GAP GRADED)	390140	20.20.201.120	17,400		42,978
97 10-3A3404	10-Mer,Sta,SJ-99, 205-Var	10-Nov-10	WEED CONTROL MAT (RUBBER)	19148	HB4N/315			1,986
98 11-089754	11-SD-805-40.8/42.4	29-Nov-10	WEED CONTROL MAT (RUBBER)	19056	20.20.400.000			280
99 11-236404	11-SD-8-R21.6/R25.9	07-Dec-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	27,400		67,678
100 11-238304	11-SD-163-3.8/R11.1	07-Dec-10	RHMA (GAP GRADED)	390140	SHOPP / HA22	30,800		76,076
101 11-274904	11-SD-78-8.0/19.3	10-Aug-10	RHMA (GAP GRADED)	390140	SHOPP / HA22		57,100	155,312
102 11-2M1004	11-imp-8-R10.0/R28.0	21-Jan-10	ASPHALT-RUBBER BINDER	370120	20.80.010.010	1,710		57,083
103 12-0E2504	12-Ora-55-7.0/7.9	17-May-10	RHMA (GAP GRADED)	390137	20.10.075.600	1,240		3,063
104 12-0F0314	12-Ora-57-16.2/16.8	12-Oct-10	RHMA (GAP GRADED)	390137	HB4N	660		1,630
105 12-0K2304	12-Ora-90-0.5/2.8	14-Jun-10	RHMA (GAP GRADED)	390137	20.80.010.010	7,330		18,105
106 12-0K2604	12-Ora-39-3.6	09-Jul-10	RAC (TYPE G)	390126	SHOPP / HB1	29		72
107 12-0K5504	12-Ora-22-R0.4	12-Oct-10	RHMA (GAP GRADED)	390137	SHOPP / HB1	10		25
108 12-0K5504	12-Ora-22-R0.4	12-Oct-10	RHMA (OPEN GRADED)	390138	SHOPP / HB1	7		17
109 12-0K5904	12-Ora-241-27.9/39.0	14-Jun-10	RHMA (OPEN GRADED)	390138	20.80.010.124	60,300		148,941
110 12-0K6304	12-Ora-405-13.6	29-Jun-10	RHMA (GAP GRADED)	390137	Minor A / 15	18		44
111 12-0L0604	12-Ora-405-0.0/11.4	14-Jun-10	RHMA (GAP GRADED)	390137	20.80.010.124	4,340		10,720
					TOTAL 2010	1,598,917	77,940	4,412,539

2011 Year

CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
1 01-0A0204	01-Hum-38-35.4/40.5	01-Apr-11	RHMA (GAP GRADED)	390137	20.80.010.010	6,510		16,080
2 01-0A1404	01-Men-128-0.0/11.8	07-Jun-11	RHMA (GAP GRADED)	390140	20.80.010.122	16,500		40,755
3 01-3637U4	01-Men-128-31.0/50.9	06-Oct-11	RHMA (OPEN GRADED)	390138	20.20.201.121	300		741
4 01-3637U4	01-Men-128-31.0/50.9	06-Oct-11	RHMA (GAP GRADED)	390140	20.20.201.121	43,800		108,186
5 01-3886U4	01-Lak-53-2.8/7.5	05-Jan-11	RHMA (GAP GRADED)	390140	20.20.201.120	8,100		20,007
6 01-3886U4	01-Lak-53-2.8/7.5	05-Jan-11	RHMA (OPEN GRADED)	390138	20.20.201.120	12,800		31,616
7 01-3894U4	01-Lak, Men-29, 175-VAR	15-Jun-11	RHMA (GAP GRADED)	390137	20.20.201.121	70,100		173,147
8 01-479204	01-Lak-29, 53-20.1/20.4, 0.0/2.9	08-Dec-11	RHMA (GAP GRADED)	390140	20.20.201.121	21,300		52,611
9 01-486504	01-Men-128-17.9/23.3	06-Jun-11	RHMA (GAP GRADED)	390137	20.80.010.124	6,420		15,857
10 01-499504	01-Men-1-R50.9/58.5	24-May-11	RHMA (GAP GRADED)	20493	20.80.010.010	13,100		32,357

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CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
11 02-0E5304	02-Teh-99-12.5/24.9	13-Jan-11	RHMA (GAP GRADED)	390140	20.20.201.121	48,100		113,867
12 02-0E5304	02-Teh-99-12.5/24.9	13-Jan-11	RHMA (OPEN GRADED HIGH BINDER)	390139	20.20.201.121	22,200		54,834
13 02-2E6404	02-Teh-36-48.0/55.2	20-Apr-11	ASPHALT-RUBBER BINDER	370120	20.80.010.124	380		12,643
14 02-2E6504	02-Sha-5-R19.0/R28.2	05-May-11	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.124	40,700		100,529
15 02-3E7504	02-Sis-5-R19.0/R25.3	22-Nov-11	ASPHALT-RUBBER BINDER	370120	20.20.201.120	450		14,972
16 02-3E8104	02-Sha,Teh-5-0.0/0.9, R27.1/42.1	14-Dec-11	RHMA (OPEN GRADED HIGH BINDER)	390139	20.20.201.120	50,100		123,747
17 02-4C0104	02-Sis-97-40.1/54.1	20-Jan-11	ASPHALT-RUBBER BINDER	370120	20.20.201.120	820		27,281
18 02-4C4014	02-Sha-5-R10.5/R17.5	09-May-11	RHMA (OPEN GRADED HIGH BINDER)	390139	20.20.721.000	20,200		49,894
19 03-0A8004	03-Sac-50-R2.6/R5.4,R12.2/R14	20-Jul-11	RHMA (OPEN GRADED)	390138	20.20.201.121	700		1,729
20 03-0E9304	03-But-70-3.3/6.1	03-Mar-11	RHMA (GAP GRADED)	390140	20.20.075.600	16,800		41,496
21 03-0E9304	03-But-70-3.3/6.1	03-Mar-11	RHMA (OPEN GRADED)	390138	20.20.075.600	6,820		16,845
22 03-0F5904	03-Sac-5-0.0/17.2	24-Mar-11	RHMA (OPEN GRADED)	390138	20.20.201.120	8,080		19,908
23 03-1F1804	03-Sac-5-28.8/29.5	23-Sep-11	RHMA (OPEN GRADED)	390138	20.20.400.330	1,850		4,570
24 03-1F3604	03-Pla-80-16.9 / R19.0	03-Feb-11	RHMA (OPEN GRADED)	19351	20.20.201.121	9,370		23,144
25 03-1F4604	03-Yub-70-R7.0/13.8	27-Jan-11	RHMA (OPEN GRADED)	19657	20.20.201.120	18,200		40,014
26 03-1F7504	03-Col-20-10.2/23.8	09-Dec-11	RHMA (GAP GRADED)	390140	20.20.201.121	29,100		71,877
27 03-1F7504	03-Col-20-10.2/23.8	09-Dec-11	RHMA (OPEN GRADED)	390138	20.20.201.121	14,200		35,074
28 03-1F8104	03-Sut-113-0.0/4.7, 5.1/R10.8	19-Aug-11	RHMA (OPEN GRADED)	390138	20.20.201.120	9,130		22,551
29 03-1F8204	03-Yub-20-R3.5/R8.0	18-Aug-11	RHMA (OPEN GRADED)	390138	20.20.201.121	7,670		18,945
30 03-2F0204	03-ED-50-R4.1/R14.2	16-Dec-11	RHMA (GAP GRADED)	390140	20.20.201.121	33,800		83,733
31 03-2F0204	03-ED-50-R4.1/R14.2	16-Dec-11	RHMA (OPEN GRADED)	390138	20.20.201.121	15,900		39,273
32 03-2F0304	03-Pla-80-5.1/14.5	14-Nov-11	RHMA (OPEN GRADED)	390138	20.20.201.121	20,700		51,129
33 03-2F0404	03-Sac-80, 244-VAR	21-Dec-11	RHMA (GAP GRADED)	390137	20.20.201.121	2,480		6,076
34 03-2F0404	03-Sac-80, 244-VAR	21-Dec-11	RHMA (OPEN GRADED)	390138	20.20.201.121	790		1,961
35 03-2F0504	03-Yol-113-R0.0/R11.2	12-Dec-11	RHMA (OPEN GRADED)	390138	20.20.201.121	10,700		26,429
36 03-2F5804	03-Sis-89-0.0/15.1	30-Nov-11	RHMA (GAP GRADED)	390140	20.20.201.121	27,200		67,184
37 03-3797U4	03-Yol,Sac-80-R10.9/R11.7, M0.1	29-Jul-11	RHMA (OPEN GRADED)	390138	SHOPP/H85	7,240		17,883
38 03-3A0424	03-But-99-R32.4/R33.3	08-Jul-11	RHMA (OPEN GRADED)	390138	STIP/H84N	4,480		11,066
39 03-3C8904	03-Yol,Col-5-R21.5/R23.8, R27.0	13-Jan-11	RHMA (GAP GRADED)	19749	20.20.201.121	162,000		400,140
40 03-3C8904	03-Yol,Col-5-R21.5/R23.8, R27.0	13-Jan-11	RHMA (OPEN GRADED)	19748	20.20.201.121	54,800		135,356
41 03-3E0904	03-Pla-80-0.3/29.3	20-May-11	RHMA (OPEN GRADED)	390138	20.20.201.110	2,970		7,336
42 03-3M8304	03-Nev-80-13.5/21.2	08-Jun-11	RHMA (GAP GRADED)	390137	20.80.010.124	17,800		43,966
43 03-3M8404	03-Yol-80-0.0/4.4	11-Mar-11	RHMA (OPEN GRADED)	390138	20.80.010.124	16,800		41,496
44 03-3M8804	03-But-70-0.0/3.2, 6.1/9.2	16-May-11	RHMA (OPEN GRADED)	390138	20.80.010.124	11,500		28,405
45 04-0A1844	04-Son-101-7.1/8.9	19-May-11	RHMA (GAP GRADED)	390140	20.20.721.000	14,900		36,803
46 04-0A8404	04-CC-4-43.9/48.1	29-Jun-11	RHMA (GAP GRADED)	390140	20.20.201.010	15,200		37,544
47 04-1E0904	04-SCI-17-6.9/9.1	03-Mar-11	RHMA (GAP GRADED)	390140	20.20.201.121	13,100		32,357
48 04-235634	04-SM-101-0.9/3.6	01-Jun-11	RHMA (GAP GRADED)	390140	20.20.721.000	28,100		64,467
49 04-284044	04-Son-101-7.3/8.3	01-Nov-11	RHMA (GAP GRADED)	390137	20.20.400.200		1,470	3,998
50 04-284064	04-Mm-101-18.6/R22.3	02-Jun-11	RHMA (GAP GRADED)	390137	20.20.721.000	9,810		24,231
51 04-288304	04-SCI-880-4.1/8.7	14-Dec-11	RHMA (GAP GRADED)	390140	20.20.721.000	22,200		54,834
52 04-2E0804	04-SCI-85-0.0/5.60	22-Apr-11	RHMA (GAP GRADED)	390137	20.80.010.124	16,400		40,508
53 04-2E1104	04-Nap-29-5.1/7.0	19-May-11	RHMA (GAP GRADED)	390137	20.80.010.124	6,400		15,806
54 04-2E1204	04-Mm-1-19.0/22.8	20-Jun-11	RHMA (GAP GRADED)	20659	20.80.010.124	4,220		10,423
55 04-2E1304	04-Nap-29-11.0/12.5	09-Jun-11	RHMA (GAP GRADED)	390137	20.80.010.010	5,070		12,523
56 04-3A0504	04-SCI-880-0.0/4.3	03-Jan-11	RHMA (GAP GRADED)	390140	20.20.201.121	36,700		90,649
57 04-3A5304	04-Aia-580-R8.9	22-Jul-11	RHMA (GAP GRADED)	390137	20.20.201.321	700		1,729
58 04-3A5304	04-Aia-580-R8.9	22-Jul-11	ASPHALT-RUBBER BINDER	370120	20.20.201.321	18		599
59 04-3A9104	04-SCI-101-45.9/46.4	14-Jun-11	RHMA (GAP GRADED)	390137	20.20.201.121	2,280		5,632
60 04-4A3304	04-SCI-101-48.7/52.0	17-Nov-11	RHMA (GAP GRADED)	390140	20.20.721.000	27,300		67,431
61 04-4C1404	04-Nap-29-38.1/48.6	15-Feb-11	RHMA (GAP GRADED)	390140	20.20.201.121	17,000		41,990
62 05-0T8104	05-SB-101-46.2/R52.5	19-Apr-11	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	21,100		52,117
63 06-0C4904	06-Tul-99-25.4	21-Jun-11	WEED CONTROL MAT (RUBBER)	20156	20.20.201.110	640	SQYD	5,776
64 06-0e0104	06-Fre-41-R20.0/R33.3	28-Mar-11	WEED CONTROL MAT (RUBBER)	20292	20.20.201.015	2,820	SQYD	23,846
65 06-0E0704	06-Tul-99-19.8/25.0	21-Dec-11	RHMA (GAP GRADED)	390140	20.20.201.120	15,000		37,050
66 06-0C9904	06-Kin-5-16.2/26.7	07-Jun-11	RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.124	16,500		40,755
67 06-0L1004	06-Kin,Tul-43.83.198-VAR	26-May-11	RHMA (GAP GRADED)	390140	20.80.010.124	14,800		36,062



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CONTRACT	DIST/CORTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY	METRIC TONNES	TIRES
68 06-0L1004	06-Kin,Tul-43,63,198-VAR	26-May-11	RHMA (OPEN GRADED)	390138	20.80.010.124	2,880		7,114
69 06-0M5004	06-Fre-33,145,198-VAR	21-Jun-11	RHMA (GAP GRADED)	390140	20.80.010.010	26,000		84,220
70 06-0M6404	06-Kin-33-12.0/18.9	03-May-11	RHMA (GAP GRADED)	390137	20.80.010.010	7,400		18,278
71 06-0M7104	06-Ker-14-26.6/35.5	21-Mar-11	RHMA (GAP GRADED)	390140	20.80.010.124	26,800		86,196
72 06-0N2504	06-Fre-198-34.6/42.7	14-Dec-11	RHMA (GAP GRADED)	390137	20.80.010.010	8,960		22,131
73 06-324504	06-Tul,Fre-99-41.3/R53.9, R0.0/F	04-Jan-11	RHMA (GAP GRADED)	390140	20.20.722.000	30,800		78,076
74 06-460004	06-Ker-43-16.1/25.1	03-Feb-11	RHMA (GAP GRADED)	390140	20.20.201.121	31,900		78,793
75 07-251304	07-LA-80-0.0/R6.9	02-May-11	RHMA (GAP GRADED)	390140	20.20.201.121	10,400		25,688
76 07-251304	07-LA-80-0.0/R6.9	02-May-11	ASPHALT-RUBBER BINDER	370120	20.20.201.121	370		12,310
77 07-251504	07-Ven-101-0.0/12.6	02-Feb-11	RHMA (GAP GRADED)	390140	20.20.201.121	99,400		245,518
78 07-251804	07-Ven-101-12.6/R37.0	24-Feb-11	RHMA (GAP GRADED)	390140	20.20.201.121	159,000		382,730
79 07-252104	07-LA-101-31.1/38.2	10-Feb-11	RHMA (GAP GRADED)	390140	20.20.201.121	86,600		213,902
80 07-252304	07-LA-57-R7.7/R12.2	11-Jan-11	RHMA (GAP GRADED)	390140	20.20.201.121	22,700		56,069
81 07-252504	07-LA-5-R59.7/R73.7	19-Jan-11	RHMA (GAP GRADED)	390140	20.20.201.121	144,000		355,680
82 07-252504	07-LA-5-R59.7/R73.7	19-Jan-11	ASPHALT-RUBBER BINDER	370120	20.20.201.121	2,000		68,540
83 07-3Y5404	07-LA-210, 405-R0.0/R11.1, 44.7	01-Jun-11	RHMA (GAP GRADED)	390140	20.80.010.124	27,500		67,925
84 07-3Y7304	07-LA-405-0.3/11.4	14-Jan-11	RHMA (GAP GRADED)	390140	20.80.010.010	11,800		29,146
85 07-3Y8004	07-LA-138-0.0/16.0, 21.0/37.0	20-May-11	RHMA (GAP GRADED)	390140	20.80.010.124	32,100		79,287
86 07-3Y8604	07-Ven-150-0.0/11.0	13-Jan-11	ASPHALT-RUBBER BINDER	370120	20.80.010.010	460		15,304
87 07-4Y3104	07-LA-1-3.4/4.5	11-Mar-11	RHMA (GAP GRADED)	390137	20.80.010.010	3,500		8,645
88 07-4Y5304	07-LA-406-16.1/R20.7	09-May-11	RHMA (GAP GRADED)	390137	20.80.010.122	4,610		11,387
89 07-4Y7204	07-LA-710-6.8/9.5	18-May-11	RHMA (GAP GRADED)	390140	20.80.010.010	12,900		31,863
90 08-0H3104	08-Riv-10-R74.0/R105.0	03-Jan-11	RHMA (GAP GRADED)	390140	20.20.201.121	125,000		308,750
91 08-0P1204	08-SBd-15,40-R124.0/186.2, R5C	06-Jun-11	RHMA (GAP GRADED)	390137	20.80.010.124	7,030		17,384
92 08-0P1204	08-SBd-15,40-R124.0/186.2, R5C	06-Jun-11	RHMA (OPEN GRADED)	390138	20.80.010.124	35,900		88,673
93 09-347404	09-Mno-395-R12.6/35.3	28-Apr-11	ASPHALT-RUBBER BINDER	370120	20.80.010.124	1,460		48,574
94 10-0E9304	10-SJ-26-8.2/10.0	13-May-11	RHMA (GAP GRADED)	390137	20.20.201.010		2,950	8,024
95 10-0P8004	10-SJ-88-5.0/L12.2	22-Nov-11	RHMA (GAP GRADED)	390140	20.10.201.121	21,100		52,117
96 10-0U8004	10-Tuo-108-27.0/37.8	17-May-11	RHMA (GAP GRADED)	390140	20.80.010.122	11,100		27,417
97 10-0U8104	10-Ama-49-11.9/22.1	08-Mar-11	RHMA (GAP GRADED)	390137	20.80.010.124	12,000		29,640
98 10-0U8204	10-Mer-59-17.2/22.6	14-Apr-11	RHMA (GAP GRADED)	390137	20.80.010.122	6,150		15,191
99 10-0U8404	10-SJ-4-29.5/38.1	17-May-11	RHMA (GAP GRADED)	390140	20.80.010.124	12,100		29,887
100 10-0U8504	10-SJ-88-18.3/25.4	24-Mar-11	RHMA (GAP GRADED)	390140	20.80.010.124	13,900		34,333
101 10-0U8804	10-SJ-98-1.7/6.7	20-Jun-11	RHMA (GAP GRADED)	390140	20.80.010.124	23,500		58,045
102 10-0U8704	10-Mer-140-0.0/11.9	08-Mar-11	RHMA (GAP GRADED)	390140	20.80.010.124	19,900		49,153
103 10-0U8804	10-Mpa,Tuo-120-R38.2/R52.7	25-May-11	RHMA (GAP GRADED)	390140	20.80.010.124	20,600		50,882
104 10-0U8904	10-Tuo-120-15.1/29.0	12-Apr-11	RHMA (GAP GRADED)	390140	20.80.010.124	21,100		52,117
105 10-0U9004	10-Mer-162-22.7/R40.1	25-May-11	RHMA (GAP GRADED)	390140	20.80.010.010	20,900		51,623
106 10-0U9104	10-Mpa-49-27.0/R34.3	27-May-11	RHMA (GAP GRADED)	390137	20.80.010.010	6,640		16,401
107 10-0U9204	10-Ama-104-R4.3/10.0	07-Apr-11	RHMA (GAP GRADED)	390137	20.80.010.010	9,120		22,526
108 10-0U9304	10-SJ-120-R16.7/21.2	14-Apr-11	RHMA (GAP GRADED)	390137	20.80.010.010	7,800		19,266
109 10-279804	10-Mer-165-11.7/26.7	27-May-11	RHMA (GAP GRADED)	390140	20.20.201.120	37,400		92,378
110 10-2A4204	10-SJ,Cal-26-32.7/33.0,0.0/4.9	27-Jun-11	RHMA (GAP GRADED)	390137	20.20.201.120		6,440	17,517
111 11-080404	11-SD-5-R0.3/R10.0	06-Jan-11	RHMA (GAP GRADED)	390140	20.20.201.121	47,300		116,831
112 11-091834	11-SD-905,805-R8.4/R9.8,3.1/4.1	07-Mar-11	WEED CONTROL MAT RUBBER	19918	20.20.400.335	5	EA	45
113 11-240104	11-SD-5-R10.0/R20.0	10-Jan-11	RHMA (GAP GRADED)	390140	20.20.201.121	50,200		123,994
114 11-266104	11-SD,Imp-8-R0.0/R10.0	14-Dec-11	RHMA (GAP GRADED)	390140	20.20.201.120	10,400		25,688
115 11-266104	11-SD,Imp-8-R0.0/R10.0	14-Dec-11	RHMA (GAP GRADED)	21707	20.20.201.120	46,500		114,855
116 11-266104	11-SD,Imp-8-R0.0/R10.0	14-Dec-11	ASPHALT-RUBBER BINDER	370120	20.20.201.120	700		23,289
117 11-293104	11-SD-78-15.5/R16.5	05-May-11	WEED CONTROL MAT RUBBER	20386	20.20.201.310	2	EA	18
118 11-2M1704	11-SD-805-20.4/28.1	23-Jun-11	RHMA (GAP GRADED)	390140	20.80.010.122	20,200		49,894
119 11-2M1804	11-imp-86-21.7/R37.3	23-May-11	RHMA (GAP GRADED)	390140	20.80.010.124	37,100		91,637
120 11-2M1804	11-imp-86-21.7/R37.3	23-May-11	ASPHALT-RUBBER BINDER	370120	20.80.010.124	720		23,954
121 11-2M2704	11-imp-111-40.5/63.00	06-Dec-11	ASPHALT-RUBBER BINDER	370120	20.80.010.122	970		32,272
122 11-2T0404	11-SD-5, 805-R49.9/R51.7, 42.6/	28-Jan-11	WEED CONTROL MAT RUBBER	17163	20.20.400.335	4	EA	36
123 12-0E0304	12-Ora-5-6.8/ 14.5	18-Oct-11	RHMA (GAP GRADED)	390140	20.20.201.121	11,700		28,899
124 12-0E0304	12-Ora-5-6.8/ 14.5	18-Oct-11	RHMA (OPEN GRADED)	390138	20.20.201.121	3,900		9,833

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CONTRACT	DIST/CORTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
125	12-0F0404	12-Ora-57-12.2/15.2	26-Oct-11 RHMA (GAP GRADED)	390137	20.20.721.000	4,420		10,917
126	12-0G9904	12-Ora-55-R7.8/R9.4	02-Aug-11 RHMA (GAP GRADED)	390137	20.20.201.310	4,460		10,992
127	12-0G9904	12-Ora-5-27.6/28.2	08-Mar-11 RHMA (GAP GRADED)	390137	20.20.025.700	470		1,181
128	12-0H0304	12-Ora-142-2.5/6.3	14-Dec-11 RHMA (GAP GRADED)	390140	20.20.201.121	11,000		27,170
129	12-0J4304	12-Ora-74-0.0/1.1,3.0/13.3	14-Dec-11 RHMA (GAP GRADED)	390137	20.20.201.121	20,900		61,823
130	12-0J4304	12-Ora-74-0.0/1.1,3.0/13.3	14-Dec-11 RHMA (OPEN GRADED)	390138	20.20.201.121	230		588
131	12-0K3904	12-Ora-133-10.1/13.7	25-May-11 RHMA (GAP GRADED)	390137	20.80.010.124	890		1,704
132	12-0K3904	12-Ora-133-10.1/13.7	25-May-11 RHMA (OPEN GRADED)	390138	20.80.010.124	16,900		41,743
133	12-0K4004	12-Ora-133-0.3/4.2	27-May-11 RHMA (GAP GRADED)	390137	20.80.010.010	7,700		19,019
134	12-0K4004	12-Ora-133-0.3/4.2	27-May-11 RHMA (OPEN GRADED)	390138	20.80.010.010	1,830		4,520
135	12-0K5104	12-Ora-405-9.5/17.7	03-Jan-11 RHMA (GAP GRADED)	390137	20.20.201.010	465		1,149
136	12-0K8904	12-Ora-22-R8.8/R9.1	27-Jun-11 RAC (TYPE G)	390126	20.20.201.310	70		173
137	12-0L0804	12-Ora-39-0.0/3.2	09-Jun-11 RHMA (GAP GRADED)	390137	20.80.010.124	11,800		29,146
138	12-0L1004	12-Ora-5-6.3/33.4	19-Apr-11 RHMA (GAP GRADED)	390137	20.80.010.010	5,690		14,054
139	12-0L1004	12-Ora-5-6.3/33.4	19-Apr-11 RHMA (OPEN GRADED)	390138	20.80.010.010	1,030		2,544
140	12-0L1504	12-Ora-67-11.0/ 22.5	15-Apr-11 RHMA (GAP GRADED)	390137	20.80.010.020	730		1,803
141	12-0L5404	12-Ora-405-11.5/ 16.9	20-May-11 RHMA (GAP GRADED)	390140	20.80.010.124	34,100		84,227
142	12-0L5404	12-Ora-405-11.5/ 16.9	20-May-11 RHMA (OPEN GRADED)	390138	20.80.010.124	67		165
						<b>Total 2011</b>		<b>6,962,034</b>

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CONTRACT	DIST/CORTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
1	01-0A7304	01-Men-20-7.0/17.3	06-Jun-12 RHMA (GAP GRADED)	390140	20.80.010.010	16,800		41,496
2	01-0A7404	01-DN-101-12.7/15.5	02-May-12 RHMA (GAP GRADED)	390137	20.80.010.124	8,410		15,833
3	01-0A8004	01-Men-128-R26.8/30.7	18-Jun-12 RHMA (GAP GRADED)	390137	20.80.010.124	9,440		23,317
4	01-490704	01-Men-20-19.9/26.0	19-Apr-12 RHMA (OPEN GRADED)	390138	20.20.201.010	11,100		27,417
5	02-3E9004	02-Sis-97-34.5/40.0	06-Jan-12 ASPHALT-RUBBER BINDER	370120		380		12,843
6	02-3E9904	02-Sha-44-L1.7/R4.3	07-Jun-12 RHMA (OPEN GRADED)	390138	20.80.010.122	21,700		53,699
7	03-2F0104	03-Yoi-5-0.3/R14.0	27-Jan-12 RHMA (GAP GRADED)	390137	20.20.201.121	70,800		174,876
8	03-2F0104	03-Yoi-5-0.3/R14.0	27-Jan-12 RHMA (OPEN GRADED)	390138	20.20.201.121	33,200		82,004
9	03-333824	03-Pia-65-R15.1/R19.9	21-May-12 RHMA (GAP GRADED)	390140	20.20.721.000	28,500		70,395
10	03-333824	03-Pia-65-R15.1/R19.9	21-May-12 RHMA (OPEN GRADED)	390138	20.20.721.000	12,500		30,875
11	03-4M1204	03-Col-5-R21.0/R34.4	04-May-12 RWMA (OPEN GRADED)	22739	20.80.010.122	37,300		92,131
12	04-0A5354	04-Sol-12.80-L1.8/L2.0,13.3/15.7	25-Jan-12 RHMA (GAP GRADED)	390137	20.20.201.321	5,850		14,450
13	04-0C8804	04-SCI-85-R18.00/R24.1	05-Jan-12 RHMA (GAP GRADED)	390137	20.20.201.121	19,000		46,930
14	04-235644	04-SCI,SM-101-52.2/52.6/0.0/0.9	21-May-12 RHMA (GAP GRADED)	390140		11,500		28,405
15	04-284134	04-Nap-12-0.0/3.2	26-Jan-12 RHMA (GAP GRADED)	390140	20.20.721.000	21,200		52,384
16	04-284144	04-Nap,Sol-12-2.8/3.3, 0.0/2.5	11-Jan-12 RHMA (GAP GRADED)	390140	20.20.721.000	14,700		36,308
17	04-297814	04-Ala-84-25.5/27.1	21-Mar-12 RHMA (GAP GRADED)	390140	20.20.721.000	11,500		28,405
18	04-2E4604	04-SCI-130-9.0/15.0	18-Apr-12 ASPHALT-RUBBER BINDER	370120	20.80.010.010	230		7,652
19	04-2E4804	04-SM-92-0.7/3.2	03-May-12 RWMA (GAP GRADED)	22780	20.80.010.010	3,400		8,398
20	04-2E4904	04-SM-1-0.0/3.3	25-Apr-12 RHMA (GAP GRADED)	390137	20.80.010.010	5,700		14,079
21	04-2E5504	04-SM,SCI-35-0.0/21.0	06-Jun-12 ASPHALT-RUBBER BINDER	370120	20.80.010.122	990		32,937
22	04-2E6404	04-Son-121-R7.3/11.6	07-May-12 RHMA (GAP GRADED)	390137	20.80.010.122	7,390		18,253
23	04-2E6504	04-Nap-121-9.4/22.0	27-Jun-12 RHMA (GAP GRADED)	390140	20.80.010.124	14,100		34,827
24	04-2G6304	04-SM-280-9.6/10.5	21-Jun-12 RHMA (GAP GRADED)	390137	20.20.201.121	2,780		6,867
25	04-4A07U4	04-Ala-580-R4.7/R8.2	18-Jun-12 RHMA (GAP GRADED)	390140		19,300		47,671
26	04-4C3514	04-Nap-128-4.0/4.6	15-Mar-12 RHMA (GAP GRADED)	390137	20.20.201.121	2,220		5,483
27	05-0T3304	05-SB-135-R6.1/11.7	06-Apr-12 RHMA (GAP GRADED)	390137	20.80.010.010	13,600		33,592
28	05-1A3104	05-SB-154-0.0/5.5	06-Jun-12 RHMA (GAP GRADED)	390137	20.080.010.122	11,000		27,170
29	05-330774	05-SLO-48-40.7/46.3	18-May-12 RHMA (GAP GRADED)	390140	20.20.721.000	31,000		76,570
30	06-0L2204	06-Ker-5-89.6/73.1	30-Jan-12 WEED CONTROL MAT (RUBBER)	21954	20.20.201.010	8,040		72,561
31	06-0M7004	06-Mad-41-2.4/6.9, 15.4/20.9	27-Mar-12 RHMA (OPEN GRADED HIGH BINDER)	390139	20.80.010.122	11,000		27,170
32	06-0M7204	06-Fre-180-24.3/33.6	06-Jun-12 RHMA (GAP GRADED)	390140	20.80.010.122	35,200		86,944
33	06-0N8104	06-Ker-5, 33-30.0/38.0,45.1/52.0;	05-Jun-12 RHMA (BONDED WEARING COURSE-OPEN GRADED)	390159	20.80.010.122	19,000		46,930

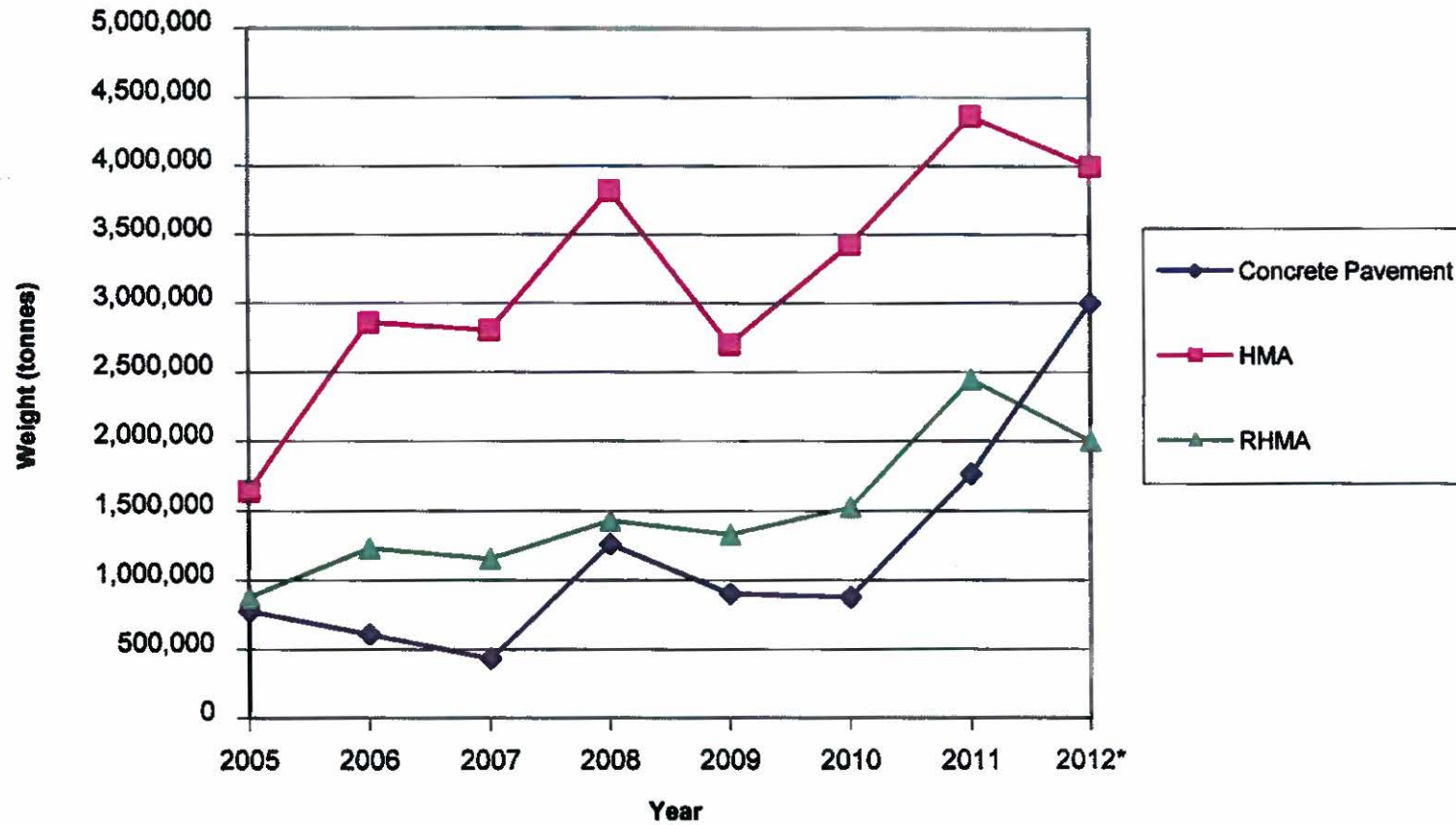
2012 Through 1st 2 Quarters Continued

CONTRACT	DIST/CORTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
34	06-OP7804	06-Jun-12	RHMA (BONDED WEARING COURSE-GAP GRADED)	390158	20.80..010.122	10,900		26,923
35	07-1W1204	04-Jun-12	RHMA (GAP GRADED)	390137	20.80.010.020	7,510		18,550
36	07-254904	10-Feb-12	RHMA (GAP GRADED)	390140	20.20.201.121	10,700		26,429
37	07-ZY4404	21-Jun-12	RHMA (GAP GRADED)	390137	20.80.010.010	14,200		35,074
38	07-3Y3004	11-Jun-12	RHMA, SUPERPAVE (GAP GRADED)	390301	20.80.010.010	9,280		22,922
39	07-3Y3204	23-May-12	RHMA (GAP GRADED)	390137	20.80.010.010	6,530		16,129
40	07-3Y8404	12-Jun-12	RWMA (TYPE G) SUPERPAVE	23097	20.80.010.020	5,190		12,819
41	07-3Y9504	09-Apr-12	RHMA (GAP GRADED)	390137	20.80.010.020	3,670		9,065
42	07-4T4504	07-Jun-12	ASPHALT-RUBBER BINDER	370120	20.20.201.121	100		3,327
43	07-4Y0104	26-Jun-12	RHMA (GAP GRADED)	390140	20.80.010.020	13,200		32,604
44	07-4Y0804	26-Mar-12	RHMA (GAP GRADED)	390137	20.80.010.020	7,160		17,885
45	07-4Y5104	05-Apr-12	RHMA (GAP GRADED)	390137	20.80.010.020	9,620		23,761
46	07-4Y5504	24-Feb-12	RHMA (GAP GRADED)	390137	20.80.010.020	9,000		22,230
47	07-4Y5804	28-Mar-12	RHMA (GAP GRADED)	390137	20.80.010.020	1,000		2,470
48	07-4Y9304	20-Jun-12	ASPHALT-RUBBER BINDER	370120	20.80.010.122	2,870		95,485
49	08-OK2004	24-Apr-12	RHMA (OPEN GRADED)	390138	20.20.201.010 (HB1)	300		741
50	08-OK2404	10-Feb-12	RHMA (GAP GRADED)	390140	20.20.201.121	98,700		243,789
51	08-OP7304	08-SD-210, 395-0.0/23.5, 3.9/6.5	RHMA (OPEN GRADED)	390138	20.80.010.010	18,900		46,883
52	08-OP7804	08-Riv-79-0.0/3.0, R15.8/R19.2	RHMA (GAP GRADED)	390137	20.80.010.010	9,060		22,378
53	08-OP9404	08-Riv-111-0.0/6.0, 56.2/R63.3	RHMA (GAP GRADED)	390140	20.80.010.010	29,000		71,630
54	08-OP9504	08-Riv-74-47.9/63.0 67.5/71.8	RHMA (GAP GRADED)	390140	20.80.010.122	10,500		25,935
55	10-0E6114	10-SJ-99-4.9/14.2	RHMA (GAP GRADED)	390140	20.80.722.000	17,300		42,731
56	10-0E6114	10-SJ-99-4.9/14.2	WEED CONTROL MAT (RUBBER)	22381	20.20.722.000	1,320		11,913
57	10-0E6124	10-SJ-99-10.6/14.9	RHMA (GAP GRADED)	390140	20.20.722.000	19,400		47,918
58	10-0E6124	10-SJ-99-10.6/14.9	WEED CONTROL MAT (RUBBER)	22179	20.20.722.000	600		5,415
59	10-0M8004	10-Sta-99-R0.0/R24.7	RHMA (GAP GRADED)	390140	20.20.201.120	105,000		259,350
60	10-0M8004	10-Sta-99-R0.0/R24.7	RHMA (OPEN GRADED)	390138	20.20.201.120	1,480		3,656
61	10-0T4704	10-Two-108-R11.7	WEED CONTROL MAT (RUBBER)	22832	20.20.201.015	820		7,401
62	10-0V8804	10-Sta-33-1.8/12.8	RHMA (GAP GRADED)	390140	20.80.010.122	13,400		33,098
63	10-0V8904	10-Mpa-140-0.0/12.0, 25.3/29.7	RHMA (GAP GRADED)	390140	20.80.010.010	25,700		63,479
64	10-0V9104	10-Alp-88-6.9/21.0	RHMA (GAP GRADED)	390140	20.80.010.122	19,000		46,930
65	10-0V9304	10-Two-48, 108-16.3/18.0, 6.5/R1	RHMA (GAP GRADED)	390140	20.80.010.010	20,900		51,823
66	10-0V9804	10-Mpa-48-R34.8/48.8	RHMA (GAP GRADED)	390140	20.80.010.010	17,100		42,237
67	10-0V9904	10-Ama-88-R60.8/66.7	RHMA (GAP GRADED)	390137	20.80.010.010	7,920		19,562
68	10-0W0104	10-Mpa,Two-132-0.0/18.7	RHMA (GAP GRADED)	390140	20.80.010.122	21,400		52,858
69	10-0W0204	10-Mer-140-39.0/50.3	RHMA (GAP GRADED)	390140	20.80.010.010	13,100		32,357
70	10-264444	10-Ama-88-0.0/5.5	RHMA (GAP GRADED)	390140	20.20.201.120	18,600		45,942
71	11-262004	11-SD-75-11.0/17.4	RHMA (GAP GRADED)	390137	20.20.201.121	8,290		20,476
72	11-265304	11-SD-15-0.5/4.0	RHMA (GAP GRADED)	390137	20.20.201.121	20,700		51,129
73	11-2976U4	11-SD-5-R10.0, R10.7	RHMA (GAP GRADED)	390137	20.20.723.000	620		1,531
74	11-2M2004	11-SD-79-L0.3/10.0	RHMA (GAP GRADED)	390140	20.80.010.010	11,200		27,864
75	11-2M2104	11-imp-78-62.9/80.7	ASPHALT-RUBBER BINDER	370120	20.80.010.010	800		26,616
76	11-2M2604	11-imp-8-76.6/R83.3	RHMA (GAP GRADED)	390137	20.80.010.122	25,400		62,738
77	11-2M2804	11-imp-8-76.6/R83.3	ASPHALT-RUBBER BINDER	370120	20.80.010.122	300		9,981
78	11-2T0954	11-SD-15-M15.0/M16.4	RHMA (GAP GRADED)	390137	20.20.721.000	690		1,704
79	11-2M3904	11-SD-76-L0.0/M2.9	RHMA (BONDED WEARING COURSE-GAP GRADED)	390158	20.80.010.122	11,700		28,899
80	12-0H0294	12-Ora-91-R0.0/R10.1	RHMA (GAP GRADED)	390140	20.20.201.121	44,200		109,174
81	12-0K5204	12-Ora-91-R2.8/R2.9	RHMA (GAP GRADED)	390137		200		494
82	12-0L6004	12-Ora-39-8.8/ 12.4	RHMA (GAP GRADED)	390140	20.80.010.010	14,800		36,556
83	12-0L6004	12-Ora-39-8.8/ 12.4	RHMA (OPEN GRADED)	390138	20.80.010.010	15,800		39,026
84	12-0L6404	12-Ora-1-23.7/25.9	RHMA (GAP GRADED)	390137	20.80.010.20	9,090		22,452
85	12-0M0204	12-Ora-1-12.2/14.1	RHMA (GAP GRADED)	390137	20.80.010.122	7,790		19,241
86	12-0M2404	12-Ora-74-1.1/2.0	RHMA (GAP GRADED)	390137	20.80.010.010	1,920		4,742

Total 2012 through 1st 2 quarters only

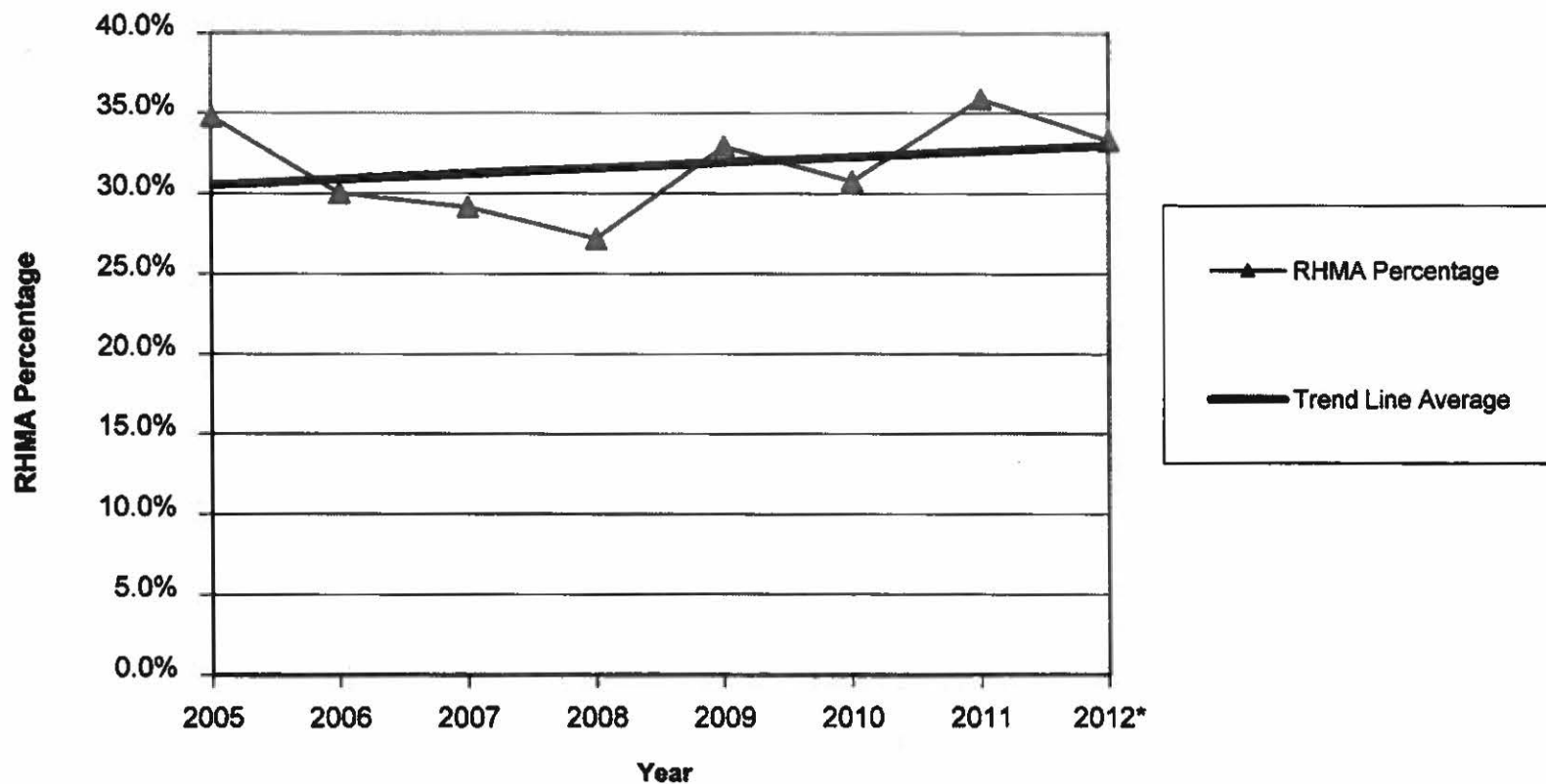
3,384,076

**Chart of Pavement Types Constructed in Years 2005-2012**  
**Showing Usage Trends**



\*Projected year end values based on information through second quarter.

**RHMA as Percentage of Total Flexible Pavement Constructed  
2005 - 2012**



RHMA percentage determined by comparing RHMA to all flexible pavements, by weight.

\*Projected year end total, based on data through second quarter.

# 2012 Annual Report to the Legislature and the Department of Resources Recycling and Recovery Senate Bill 876 Waste and Used Tires

## Purpose

This report was prepared in accordance with Senate Bill 876 (Escutia) (Stats. 1999, ch. 838, § 20), which amended and added numerous sections, to the Public Resources Code, including Section 42889.3, which states:

*On or before January 1 of each year, the Department of Transportation shall report to the Legislature and the board on the use of waste tires in transportation and civil engineering projects during the previous five years, including, but not limited to, the approximate number of tires used every year, and the types and location of these projects.*

## Background

According to the California Department of Resources Recycling and Recovery (CalRecycle), Californians generated an estimated 41.1 million waste tires in 2010. Of these tires, 33.2 million were diverted from disposal or stockpiles through recycling, reusing, retreading, or as tire-derived fuel (TDF). For the approximate 7.8 million tires that did not have an established secondary use, the expansion of the existing markets for waste tire usage such as rubber hot mix asphalt (RHMA)<sup>1</sup>, playground mats or other surfacing, civil engineering applications, and TDF will assist in addressing potential tire stockpile issues and their associated environmental impacts.

## Caltrans' Efforts

The California Department of Transportation (Caltrans) has established a variety of uses for recycled content tire products for civil engineering applications in transportation projects. Caltrans is committed to helping reduce the number of waste tires entering California's landfills by aggressively pursuing innovative uses for these tires. Although RHMA is viewed by many as the main avenue to aid in this effort, Caltrans is also pursuing other uses that can potentially consume larger quantities of waste tires. "Shredded waste tires," also known as tire-derived aggregate (TDA), consume large quantities of tires when installed as lightweight fill material in Caltrans engineering applications. Caltrans also uses waste tires in other asphalt applications and innovative products.

Caltrans uses RHMA as an alternative to hot mix asphalt (HMA). RHMA is similar to HMA except that it incorporates crumb rubber harvested from waste tires. Based on the projects awarded in 2011, 35.9 percent of all flexible pavements, by weight, were designed with rubberized asphalt. Caltrans saw a significant increase in RHMA usage in the 2011 calendar year. This was attributed to three factors. Management has continued to promote the usage of RHMA throughout Caltrans by emphasizing the policies, guidelines, and procedures on RHMA. Additionally, savings from lower than expected construction bids in the 2010/2011 fiscal year, enabled additional paving projects to be funded.

<sup>1</sup> Rubber hot mix asphalt (RHMA) and hot mix asphalt (HMA) supersede the rubberized asphalt concrete (RAC) and asphalt concrete (AC) terms used in previous reports. The RHMA and HMA terms are consistent with accepted industry and academia references and will now be the exclusive terms used for this report.

Lastly, Caltrans implemented warm mix asphalt (WMA) technology that allows the asphalt material to be placed at cooler temperatures than that of HMA, eliminating some of the temperature restrictions that limit RHMA usage. Because of these factors there were six large projects awarded in 2011 that incorporated nearly two million waste tires. This new technology also works for rubberized warm mix asphalt (RWMA) used in several large projects awarded in 2011. A complete list of Caltrans' projects that incorporate waste tires is included in Appendix 1.

<b>Waste Tires Used in the Caltrans Projects</b>					
<b>Year</b>	<b>Number of Tires Used in Pavement Projects<sup>1</sup></b>	<b>Number of Tires Used as TDF<sup>3</sup></b>	<b>Number of Tires Used as TDA<sup>1,4</sup></b>	<b>Number of Tires Used in Other Applications<sup>1,5</sup></b>	<b>Totals</b>
2008	3,888,962	412,500	176,957	164,858	4,643,277
2009	3,610,106	385,000	109,637	142,547	4,247,290
2010	4,147,433	462,000		264,543	4,873,976
2011	6,654,776	462,000		307,259	7,424,035
2012	4,500,000 <sup>2</sup>	462,000		285,931 <sup>6</sup>	5,247,931
<b>Subtotal</b>	<b>22,801,277</b>	<b>2,183,500</b>	<b>286,594</b>	<b>1,165,138</b>	<b>26,436,509</b>

<sup>1</sup> Based on projects listed in Appendix 1. Formula for conversion of RHMA tonnage to number of waste tires consumed is 2.72 tires/RHMA metric ton or 2.47 tires/RHMA US ton.

<sup>2</sup> Actual quantity through second quarter is 3,098,146 tires with an estimated projection of 4,500,000 tires through the end of the calendar year.

<sup>3</sup> Based on CalRecycle's recently published California Waste Tire Market Report: 2010, waste tires used as TDF in 2008 was 7.5 million, 7.0 million in 2009 and 8.4 million in 2010, and projected for years 2011, and 2012. This amount was then multiplied by the estimated Caltrans share of cement usage of 5.5 percent to determine the number of tires used as TDF.

<sup>4</sup> Amount represents TDA used as lightweight fill material. If experimental installations continue to perform as anticipated, proving that this is a good engineering application, then this can be adopted as a standard tool. Additional pilot projects are being aggressively pursued.

<sup>5</sup> Other applications include the use of waste tires used in asphalt – rubber binder material for chip seal projects and in the production of rubber weed abatement mats.

<sup>6</sup> Actual quantity through second quarter only.

To further enhance Caltrans' effort to reduce waste tire stock piles in this country, Caltrans revised its project specifications to limit the crumb rubber used in Caltrans' pavement projects to only material produced in the United States from waste tires taken from vehicles owned and operated in the United States. Imported crumb rubber is not allowed.

In October 2009, Caltrans issued Pavement Policy Bulletin (PPB 09-02), Quieter Strategies for Noise Sensitive Areas. The goal of this bulletin is to promote quieter pavements strategies that maintain noise reduction benefits without compromising safety, ride quality, or the sustainability of pavement surfaces. RHMA is one of the approved quieter pavement strategies established through research data collected throughout the state and nationally. This policy will increase the use of RHMA in noise sensitive areas and contribute to Caltrans overall waste tire usage totals.

Through an interagency agreement, Caltrans and CalRecycle conducted research to seek opportunities to expand the use of RHMA in Caltrans projects. This research helped to confirm the

cost-effectiveness of Caltrans strategies for RHMA, confirmed the feasibility of recycling reclaimed RHMA into newly placed pavement, and established the core elements for product deployment through statewide training and partnerships with industry. Funds were also used to develop an on-line RHMA training course for Caltrans employees.

The increased use of RHMA comes with opportunities to test the limits of the product and placement. The successful installation of RHMA is dependent on many factors, with the most critical ones being related to temperature. RHMA is produced at a higher temperature than HMA and must also be placed at hotter temperatures during construction. The ambient air temperature of the construction site at the time of material placement plays a key role in the ability to compact the material for good durability. Forensics on three recent RHMA pavement failures attributed those failures to installations conducted outside the acceptable temperature range. All three projects were constructed in the fall season, or at night when temperatures had dropped dramatically.

In 2010, Caltrans began using RWMA. RWMA is prepared at lower temperatures than RHMA and allows for a larger ambient temperature range during placements. This temperature difference also allows for longer haul distances from the asphalt plant to the project location, increasing the opportunities for this pavement strategy to be used. In 2011, District 3 utilized a RWMA mix into a project that used 400,000 waste tires. Because of this project and several other large RHMA projects, 2011 was an exceptional year for waste tire usage.

Caltrans considers TDA as the first option whenever lightweight fill is required for a project. To support Caltrans' consideration of project-specific TDA uses, CalRecycle has provided Caltrans with access to industry experts to supplement education to Caltrans' technical staff to promote the innovative use of shredded waste tires in highway construction.

Although the need for lightweight fill is infrequent, the most recent TDA application was with the Confusion Hill Realignment Project in District 1. Here, lightweight fill material was strategically placed over a culvert, approximately 90 feet below the roadway, to bypass a significant landslide area on U.S. Highway 101 in Mendocino County. TDA was selected for this project due to its many good engineering characteristics including durability, high permeability, and low earth pressures. Stage 1 of the construction project was completed in 2008 and stages 2 and 3 were completed in 2009. A total of 286,594 waste tires were used on this project. This was the first independent project where Caltrans did not rely on CalRecycle to furnish or deliver the TDA to the jobsite. The limited number of TDA suppliers close to the project site as well as a limited number of properly equipped trucks to deliver the TDA, made it difficult to receive the material in a timely manner. Another issue was inconsistent aggregate size, with much that was delivered found to be larger than anticipated. This required additional TDA to be placed to account for settlement and deflection of the TDA once it was compacted in place. Although, these were viewed as relatively minor issues, they have been noted and will be shared as lessons learned for future projects.

Caltrans will continue to research retaining walls built with TDA used as backfill material. The results from the research will give parameters for use in seismic design. These results may allow for a significant reduction in the retaining wall mass in future designs, ultimately reducing the costs for such structures.



In addition to RHMA and TDA, the use of tires as a fuel supplement in cement kilns and cogeneration facilities constitutes a large market for the consumption of waste tires. Based on CalRecycle's California Waste Tire Market Report: 2010, of the approximate 41.1 million waste tires generated in California in 2010, approximately 8.4 million were consumed as TDF in various cement kilns in California. These kilns produce cement used to create concrete Caltrans uses in many of its construction projects.

Other transportation applications that incorporate waste tires include asphalt-rubber binder material used in chip seals and rubber mats. Asphalt-rubber chip seal projects are used to correct surface deficiencies and to seal and protect the pavement against the intrusion of surface water. Caltrans will continue the installation of rubber mats underneath guardrails as a method of vegetation control. This application has performed well in addressing Caltrans' historic maintenance need to suppress fire risk through weed control, while reducing herbicide usage and the exposure of maintenance staff to traffic and chemicals.

Although program funding continually fluctuates, Caltrans' recent focus on RHMA and TDA as strategies of choice has allowed Caltrans to increase its percent usage of waste tires. The recent experience of lower than expected construction bids also allowed for more projects to be funded. Appendix 2 compares the various pavement types (by weight) constructed by Caltrans each year. Appendix 3 shows the increasing percent usage of RHMA when compared to all flexible pavement strategies.

## **Summary**

Caltrans has promoted the use of RHMA as a roadway pavement strategy, and will continue to use RHMA as the strategy of choice when evaluating flexible pavement designs. The increasing percentage use of RHMA versus HMA is expected to continue on a positive trend. As Caltrans helps to reduce the number of waste tires entering into California's landfills and stockpiles through the means described in this report, Caltrans will continue to look for new and innovative uses of recycled waste tires for transportation projects.

Caltrans' use of RHMA is largely dependent upon the available funding in the State Highway Operation and Protection Program (SHOPP) for pavement projects, where maintenance project needs continue to exceed the funding available. However, the limited work in the construction industry has resulted in more competition, lower bids, and transportation project savings that allowed more projects to be funded.

One final observation to note is that there is a substantial investment of State and federal funds on local roads. Some of these investments include the local share of the State Transportation Improvement Program congestion relief programs, and gas tax revenue. Although Caltrans cannot accurately quantify the use of RHMA on local roads, it is a pavement strategy currently used by many local agencies.

Caltrans is dedicated to the stewardship of natural resources and will continue to look for opportunities for innovative uses of recycled products in transportation projects.