2008 Annual Report to the Legislature and the California Integrated Waste Management Board - Senate Bill 876 - Waste and Used Tires

Purpose

This report was prepared in accordance with Section 20 of Chapter 838, Statutes of 1999 (Senate Bill (SB) 876, Escutia), which amends and adds 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 Integrated Waste Management Board (Board), California generated 40.8 million waste tires in the year 2005. Of these tires, 30.6 million were diverted from landfills through recycling, reusing, retreading, and as tire-derived fuel. For the approximate 10.2 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)[1], playground mats or other surfacing, civil engineering applications, and tire-derived fuels will assist in addressing potential tire stock pile issues and their associated environmental impacts.

Department's Efforts

The California Department of Transportation (Department) has established a variety of uses for recycled content tire products for civil engineering applications in transportation projects. The Department 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, the Department is additionally 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 the Department's engineering applications. The Department also utilizes waste tires in other asphalt applications and in other innovative products.

[1]The terms 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 topic.

The Department uses RHMA as an alternative to Hot Mix Asphalt (HMA). RHMA is similar to HMA with the exception that it includes crumb rubber generated from waste tires. The Department has seen a steady increase in projects using RHMA and attributes this to the continual promotion of RHMA, the development of the Asphalt Rubber Usage Guide, and to making RHMA the strategy of choice when evaluating flexible pavement alternatives for the Department's projects. In 2007, 29.2 percent of all flexible pavements, by weight, were constructed with RHMA. A complete list of the Department's RHMA projects is included in Appendix 1. To further enhance efforts to reduce waste tire stock piles in this country, the Department has revised its project specifications to limit the crumb rubber used in the Department's RHMA projects to material that is produced in the United States from waste tires taken from vehicles owned and operated in the United States. Imported crumb rubber will not be allowed.

The Department and the Board, through an inter-agency agreement, conducted research to look for opportunities to broaden the use of RHMA in the Department's projects. This research helped to confirm the cost-effectiveness of the Department's strategies for RHMA, confirmed the feasibility of recycling reclaimed RHMA for use

Waste Tires Used in Department of Transportation Projects

Year	Number of Tires Used in RHMA Projects[1]	Number of Tires Used as TDF[3]	Number of Tires Used as TDA[1]	Number of Tires Used in Other Applications[1, 5]	Totals
2004	1,788,945	127,300		100,997	2,017,242
2005	2,387,356	140,600		190,714	2,718,670
2006	3,343,533	199,800	131,500[4]	105,339	3,780,172
2007	3,140,808	199,800		86,699	3,427,307
2008[2]	3,500,000	199,800	177,000[4]	81,512	3,958,312
Subtotal	14,160,642	867,300	308,500	565,261	**15,901,703**

[1] 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 U.S. Customary ton.

[2] Actual quantity through second quarter is 2,615,138 tires with an estimated amount of 3,500,000 tires projected through the end of the calendar year.

[3] Based on the Board's California Waste Tire Generation, Diversion, and Disposal Reports which state that the total number of tires used as Tire Derived Fuel (TDF) in cement kilns in California is as follows: 2004 – 6.7 million tires; 2005 -7.4 million tires, 2006 and 2007 – 7.4 million tires (projected). These values were then multiplied by the Department's 1.9 percent share of the market in years 2004 and 2005, 2.7 percent share in 2006, and 2.7 percent share in 2007 (projected) to determine the number of tires used as TDF.

[4] Amount represents TDA utilized as lightweight fill material. If experimental installations continue to perform as anticipated, this use can be adopted as a standard application. Additional pilot projects are being aggressively pursued.

[5] Other applications include waste tires used in asphalt – rubber binder material for chip seal projects. In 2008, this totaled 81,512 waste tires for chip seal projects.

in new pavements, and established the core elements for product deployment through statewide training and partnerships with industry. This coming year, the Department will use the remaining funds from this inter-agency agreement to develop an on-line training course.

The increased use of the RHMA comes with opportunities to test the limits of the product and placement. The successful construction 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 a hotter temperature. The ambient air temperature of the construction site at the time of material placement plays a key role in compacting the material for good durability. Forensics for three construction projects where the Department experienced failures of RHMA pavements was attributed to installations outside the acceptable temperature range. All three projects were constructed in the fall season, during night work, where temperatures dropped dramatically.

The Department has also worked in partnership with the Board on projects that promote the innovative use of shredded waste tires in highway construction. In 2006, the Department piloted the use of TDA as backfill material behind a retaining wall on State Route (SR) 215 in Riverside County. This retaining wall pilot allowed the Department to construct a full-scale, fully instrumented test installation of lightweight TDA that consumed approximately 131,500 waste tires. The Department continues to monitor this installation for reduced retaining wall pressures as verification of such reduced pressures may allow for a significant reduction in retaining wall mass in future designs and ultimately reduce the costs for such structures. More recently, TDA was used in the Confusion Hill Realignment Project, which will bypass a significant landslide area on U.S. Highway 101 in Mendocino County. Here, lightweight fill material was placed above an arch culvert which is approximately 90 feet below the roadway. The light weight characteristic of TDA was a key consideration in selecting this fill material since it is necessary to minimize soil loads on the existing arch culvert. Construction of Stage 1 of the project has been completed using approximately 177,000 waste tires. Stages 2 and 3 will begin next year where nearly 200,000 more waste tires are expected to be used.

The Department considers TDA as the first option whenever lightweight fill is required for a project. To support the Department's consideration of project specific TDA uses, the Board has provided the Department with access to industry experts to supplement education to the Department's technical staff on potential applications of TDA.

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. For example, of the estimated 40.8 million waste tires generated in California

in 2005, approximately 7.4 million were consumed as Tire Derived Fuel (TDF) in various cement kilns in California. These kilns produce cement used to create concrete the Department 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. The Department also piloted the installation of rubber mats underneath guardrail as a method of vegetation control. This application continues to be evaluated in an effort to address the Department's 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 limitations have restricted the Department's ability to construct all of the necessary improvements for both new highway construction and for the maintenance and rehabilitation of the existing facilities, the Department's recent focus on RHMA and TDA as strategies of choice has allowed the Department to surpass internal goals for waste tire usage. Appendix 2 compares the amount (by weight) of the various pavement types constructed by the Department each year. Appendix 3 shows the percent usage of RHMA when compared to all flexible pavement strategies.

Summary

The Department continues to help reduce the number of waste tires entering California's landfills. The Department has promoted the use of RHMA as a roadway pavement strategy and is continually looking for new and innovative uses of recycled waste tires for transportation projects.

The Department's use of RHMA is largely dependent upon the available funding in the State Highway Operational Protection Plan (SHOPP) for pavement projects. The Department anticipates the construction of additional Highway Maintenance and SHOPP Projects, which should include a significant number of RHMA projects.

It should also be noted that there is a substantial investment of State and Federal funds on local roads. Some of these investments are the local share of the State Transportation Improvement Program congestion relief programs, and gas tax revenue. Although the Department cannot accurately quantify the use of RHMA on local roads, it is a pavement strategy currently used by many local agencies.

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

Rubber Hot Mix Asphalt (RHMA) Project Listing 2004-2008 (through second quarter only)
Formerly Rubberized Asphalt Concrete (RAC)

APPENDIX 1

2004 Year

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	METRIC TONNES	TIRES
1	01-316104	01-Men-20-R60.9/69.2	25-Aug-04	RAC-GAP GRADED (RUMAC-GC	33307	SHOPP/HA22	1,950	5,304
2	01-316104	01-Men-20-R60.9/69.2	25-Aug-04	RAC (TYPE G)	390126	SHOPP/201.12	11,400	31,008
3	01-316104	01-Men-20-R60.9/69.2	25-Aug-04	RAC (TYPE O)	390127	SHOPP/201.12	3,310	9,003
4	02-0C7004	02-Las-36-41.8/R42.8	13-May-04	RAC (TYPE G)	390206	Maint/HM1	2,430	6,610
5	02-0C9004	02-Mod,Sha-299-15.3/27.4,11.6/22.9	25-May-04	A-R BINDER	370120	HM1	650	23,834
6	02-387604	02-Sis-5-R25.7/R32.3	17-Aug-04	RAC (TYPE G)	390206	SHOPP/201.121	24,800	67,456
7	03-4C4004	03-Pla-65-R7.8/R14.1	22-Jan-04	WEED CONTROL (RUBBER MA	32193	HB1		1,850
8	03-3C6904	03-Sac,Yol,But-5,50,51,80,99, 191-Var.	07-Apr-04	RAC (TYPE O)	390127	SHOPP/201.01	1,150	3,128
9	03-0C0204	03-Sac-5-27.7/28.8	12-Apr-04	RAC (TYPE O)	390127	SHOPP/201.121	2,440	6,637
10	03-0A6004	03-Pla-80-23.0/53.6	10-Jun-04	RAC (TYPE O)	390207	SHOPP/201.12	44,500	121,040
11	03-1A9304	03-Yol-80-10.3/R18.2	01-Nov-04	RAC (TYPE O)	390207	SHOPP/HA22	4,910	13,355
12	04-0C7804	04-SCl-680-0.0/16.0	02-Jun-04	RAC (TYPE G)	390206	SHOPP/201.121	49,300	134,096
13	04-0C7504	04-SCl-101-0.0/R28.3	29-Jun-04	RAC (TYPE G)	390206	SHOPP/201.121	27,100	73,712
14	04-0C7104	04-CC-4-41.5/49.9	10-Nov-04	RAC (TYPE G)	390206	SHOPP/HA22	9,100	24,752
15	04-0C7704	04-SCl-280-R0.0/R4.4	23-Nov-04	RAC (TYPE G)	390206	SHOPP/HA22	24,000	65,280
16	04-2332U4	04-SCl,Ala-880,262-13.2/16.9,R0.0/4.7,F	17-Dec-04	RAC (TYPE G)	390206	STIP/SHOPP/HE13	13,020	35,414
17	04-270204	04-CC-123-0.0/3.5	17-Nov-04	RAC (TYPE G)	390206	SHOPP/HA22	7,800	21,216
18	05-0J5604	05-SLO-41-66.2/70.5	01-Mar-04	A-R BINDER	370120	HM1A	120	4,400
19	05-0J5504	05-SB-01-R1.0/R2.7 R4.0/31.0	19-May-04	A-R BINDER	370120	HM1A	1050	38,500
20	06-480804	06-Ker-58-123.9/133.0	08-Mar-04	A-R BINDER	370120	HM1	420	15,400
21	06-486004	06-Fre-5-78.2/105.9	12-Apr-04	RAC (TYPE G)	390126	SHOPP/201.121	105,300	286,416
22	06-493104	06-Fre-33-67.6/97.4	23-Apr-04	RAC (TYPE G)	390126	Maint/HM1A	9,270	25,214
23	06-496804	06-Ker-119-24.5/29.3	29-Apr-04	RAC (TYPE G)	390206	Minor A/201.12	7,240	19,693
24	06-479904	06-Fre-168-65.0/75.0	13-May-04	RAC (TYPE G)	390126	Minor A/201.121	6,690	18,197
25	06-496504	06-Tul-99-64.8/66.8	13-May-04	RAC (TYPE G)	390206	Minor A/201.12	5,370	14,606
26	06-477704	06-Ker,Kin-5-132.4/140.1,0.0/7.1	18-May-04	RAC (TYPE O)	390127	Maint/HM1A	7,500	20,400
27	06-480104	06-Ker-58-KP R207.6/R223.6	19-May-04	RAC (TYPE G)	390126	Minor A/201.120	7,360	20,019
28	06-499404	06-Mad-41-40.2/44.9	19-May-04	RAC (TYPE G)	390206	Maint/HM1	2,860	7,779
29	06-489404	06-Ker-155-R97.6/R114.2	25-May-04	A-R BINDER	370120	HM1A	300	11,000
30	06-497004	06-Ker-166-33.9/36.4	28-May-04	RAC (TYPE G)	390206	Minor A/201.12	3,270	8,894
31	07-4J0904	07-LA-1-40.9/41.2	04-May-04	RAC (TYPE G)	390126	Minor A/201.12	210	571
32	07-226204	07-LA-5-0.0/18.5	09-Jun-04	RAC (TYPE G)	390206	SHOPP/201.121	31,300	85,136
33	07-1Y1404	07-LA,SBd-71,60-1.9/2.2, 0.0	10-Jun-04	RAC (TYPE G)	390206	Maint/HM1A	2,490	6,773
34	07-214304	07-LA-10,10S-28.5/34.6,S0.5/0.6	17-Jun-04	RAC (TYPE G)	390206	SHOPP/201.121	11,040	30,029
35	07-1Y1004	07-LA-57, 210-R1.6/R10.4, R74.5/R76.5	23-Jun-04	RAC (TYPE G)	390206	Maint/HM1A	3,190	8,677
36	07-1Y3404	07-LA-110-25.7/33.3	24-Jun-04	RAC (TYPE G)	390126	Maint/HM1A	3,060	8,323
37	07-1Y4004	07-LA-5-24.7/26.6	24-Jun-04	RAC (TYPE G)	390126	Maint/HM1B	650	1,768
38	07-1Y3004	07-LA-47-L0.0/1.2	29-Jun-04	RAC (TYPE G)	390126	Maint/HM1A	1,600	4,352
39	07-194504	07-Ven-1-0.0/15.1	01-Dec-04	RAC (TYPE G)	390206	SHOPP/121	29,000	78,880

2004 Year Continued

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	METRIC TONNES	TIRES
40	07-207304	07-LA-66-0.0/4.1	15-Oct-04	RAC (TYPE G)	390206	SHOPP/121	450	1,224
41	07-213704	07-LA-2-23.0/37.6	29-Oct-04	RAC (TYPE G)	390126	SHOPP/121	2,660	7,235
42	08-0E1704	08-SBd-62-50.2/52.8	05-May-04	RAC (TYPE O)	390127	Maint/HM1A	3,800	10,336
43	08-1A0804	08-SBd-18-141.3/155.1	11-May-04	RAC (TYPE O)	390127	Maint/HM1A	17,300	47,056
44	08-0E0504	08-SBd-2-6.4/10.3	19-May-04	A-R BINDER	370120	HM1A	164	6,013
45	08-478804	08-Riv-215-44.1/61.3	25-May-04	RAC (TYPE G)	390126	SHOPP/201.121	75,300	204,816
46	08-0A1804	08-SBd-10-R0.0/R14.8	23-Jun-04	RAC (TYPE G)	390126	SHOPP/201.121	1,600	4,352
47	08-0E0404	08-Riv-371-98.2/111.0	21-Oct-04	RAC (TYPE O)	390207	Maint/HM1A	7,930	21,570
48	10-0J0004	10-SJ-99-36.9/46.0	23-Apr-04	RAC (TYPE O)	390207	Maint/HM1A	9,580	26,058
49	10-428304	10-Mpa-140-24.9/30.4	01-Jun-04	RAC (TYPE G)	390206	SHOPP/201.12	6,040	16,429
50	10-0A6724	10-SJ-5-39.4, 41.1	05-Oct-04	RAC (TYPE G)	390206	SHOPP/HA22	2,590	7,045
51	10-1A4904	10-Ama-16-0.0/15.1	16-Nov-04	RAC (TYPE G)	390126	SHOPP/HA22	15,000	40,800
52	11-228904	11-SD-5-R23.3/R24.6	29-Jun-04	RAC (TYPE G)	390126	SHOPP/201.121	3,520	9,574
53	11-077304	11-SD-15-M21.0/R82.0	23-Sep-04	RAC (TYPE G)	390206	SHOPP/201.121	22,600	61,472
54	11-207914	11-SD-5, 163-R25.7/R26.7, 1.0/6.4	15-Nov-04	RAC (TYPE G)	390206	SHOPP/HA22	9,090	24,725
55	11-241184	11-SD-67-R6.3/29.8	28-Dec-04	RAC (TYPE O)	390207	Maint/HM1A	15,100	41,072
56	12-0F6004	12-Ora-57,90-31.6/32.0,8.3/8.5	02-Jan-04	RAC (TYPE G)	390126	SHOPP/201.01	530	1,442
						2004 TOTAL	**660,404**	**1,889,942**

2005 Year

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	METRIC TONNES	TIRES
1	01-452504	01-Hum-36-0.5/21.6	01-Feb-05	A-R BINDER	370120	SHOPP/20.80.010	500	18,335
2	01-457904	01-Men-128-16.6/28.8	12-May-05	A-R BINDER	370120	SHOPP/20.80.010	270	9,901
3	02-0C3504	02-Sha-299-38.8/48.8	21-Oct-05	RAC (TYPE O)	390207	SHOPP/201.120	8,460	23,011
4	02-1C8004	02-Las-139-0.0/1.0	27-May-05	RAC (TYPE G)	390206	SHOPP/20.80.010.010	1,510	4,107
5	02-1C9304	02-Las-395-214.0/223.7	09-Mar-05	A-R BINDER	370120	SHOPP/20.80.010	240	8,801
6	02-3603U4	02-Mod-299,395-62.2,17.7/38.3	01-Nov-05	RAC (TYPE G)	390206	HA22,HB4N	6,100	16,592
7	02-387404	02-Mod-395-37.5/99.1	07-Sep-05	RAC (TYPE G)	390195	SHOPP/201.121	51,600	140,352
8	03-2M0904	03-Sac-5, 99-47.6/49.0, R51.7/59.3	11-May-05	RAC (TYPE O)	390207	SHOPP/20.80.010	14,800	40,256
9	04-0C6804	04-Ala-24-R2.9/R10.0	10-May-05	RAC (TYPE G)	390206	SHOPP/201.010	1,800	4,896
10	04-0C6804	04-Ala-24-R2.9/R10.0	10-May-05	RAC (TYPE O)	390207	SHOPP/201.010	8,370	22,766
11	04-0C7604	04-SCl-152-35.3/48.9	07-Sep-05	RAC (TYPE G)	390206	SHOPP/201.122	39,700	107,984
12	04-0C8904	04-SCl-101-64.7/84.6	19-Oct-05	RAC (TYPE G)	390126	SHOPP/201.120	45,500	123,760
13	04-128474	04-Nap-29-47.1/52.8	23-Dec-05	RAC (TYPE G)	390126	SHOPP/201.120	9,200	25,024
14	04-128474	04-Nap-29-47.1/52.8	23-Dec-05	A-R BINDER	370120	SHOPP/20.80.010	240	8,801
15	05-0Aa4004	05-SB,SLO-33-0.0/13.2, 0.0/8.0	23-Feb-05	RAC (TYPE G)	390126	SHOPP/201.120	29,100	79,152
16	05-0Aa4004	05-SB,SLO-33-0.0/13.2, 0.0/8.0	23-Feb-05	RAC (TYPE O)	390127	SHOPP/201.120	10,200	27,744
17	06-0C3304	06-Kin-5-0.0/16.1	01-Jun-05	RAC (TYPE O-HB)	34158	SHOPP/20.80.010.010	12,200	33,184
18	06-0C3604	06-Ker-223-34.1/51.4	01-Apr-05	RAC (TYPE O)	390127	SHOPP/20.80.010.010	8,080	21,978
19	06-0C4304	06-Ker-58-R207.6/R219.5, R223.7/R231.	28-Mar-05	RAC (TYPE G)	390206	SHOPP/20.80.010.010	11,200	30,464
20	06-0C6304	06-Ker-43,166,184,223-VAR	04-Nov-05	RAC (TYPE G)	390206	SHOPP/20.80.010.010	21,100	57,392
21	06-0C6404	06-Tul,Fre-33, 198, 201-Var	15-Nov-05	RAC (TYPE G)	390206	SHOPP/201.121	18,700	50,864
22	06-339304	06-Tul-198-34.6/42.9	04-Mar-05	RAC (TYPE G)	390206	SHOPP/201.120	16,000	43,520
23	06-448004	06-Tul-63-31.9/R 48.4	19-May-05	RAC (TYPE G)	390206	SHOPP/201.121	17,500	47,600
24	06-448004	06-Tul-63-31.9/R 48.4	19-May-05	RAC (TYPE O)	390127	SHOPP/201.121	3,190	8,677
25	06-480004	06-Ker-58-219.5/231.4	23-May-05	RAC (TYPE G)	390126	SHOPP/201.121	5,910	16,075
26	06-493504	06-Tul-99, 201-67.6/75.6, 27.4/33.5	14-Feb-05	RAC (TYPE G)	390126	SHOPP/20.80.010.010	3,410	9,275
27	06-493504	06-Tul-99, 201-67.6/75.6, 27.4/33.5	14-Feb-05	RAC (TYPE O)	390127	SHOPP/20.80.010.010	3,700	10,064
28	07-182204	07-LA-91-R9.7/ R22.7	03-Nov-05	RAC (TYPE G)	390206	SHOPP/201.120	13,500	36,720
29	07-1Y0004	07-LA-5-0.0/8.5	24-Mar-05	RAC (TYPE G)	390126	SHOPP/20.80.010.010	4,490	12,213
30	07-1Y2714	07-Ven-33-33.4/41.5, 47.7/62.8	14-Apr-05	RAC (TYPE G)	390206	SHOPP/20.80.010.010	11,800	32,096
31	07-1Y4804	07-Ven-150-52.5/54.6	25-Mar-05	RAC (TYPE G)	390126	SHOPP/20.80.010.010	2,400	6,528
32	07-1Y5004	07-LA-10-62.6/68.2	22-Apr-05	RAC (TYPE G)	390206	SHOPP/20.80.010.010	2,230	6,066
33	07-1Y5704	07-LA-405-0.7/12.6	27-Apr-05	RAC (TYPE G)	390206	SHOPP/20.80.010.010	8,700	23,664
34	07-1Y8304	07-LA-138-40.3/48.3	28-Mar-05	RAC (TYPE G)	390126	SHOPP/20.80.010.010	4,950	13,464
35	07-201204	07-LA-405-62.3/63.2	02-Mar-05	RAC (TYPE G)	390206	STIP	400	1,088
36	07-206804	07-LA-60-R11.0/31.3	03-Jun-05	RAC (TYPE G)	390206	SHOPP/201.121	2,290	6,229
37	07-2074U4	07-LA-27-0.0/17.8	22-Sep-05	RAC (TYPE G)	390206	SHOPP/20.80.010	19,200	52,224
38	07-211104	07-Ven-118-0.8/17.2	25-Mar-05	RAC (TYPE G)	390206	SHOPP/201.121	21,400	58,208
39	07-214404	07-Ven-118-18.1/25.8	30-Mar-05	RAC (TYPE G)	390206	SHOPP/201.121	11,600	31,552
40	07-244304	07-LA-170-23.5/33.1	13-Oct-05	RAC (TYPE G)	390126	SHOPP/201.120	4,150	11,288
41	07-244504	07-LA-10-3.4/22.7	13-Oct-05	RAC (TYPE G)	390206	SHOPP/201.120	22,000	59,840
42	07-244804	07-LA-101-12.0/19.2	03-Jun-05	RAC (TYPE G)	390206	SHOPP/201.121	32,300	87,856
43	07-244904	07-Ven-126-0.0/21.9	21-Sep-05	RAC (TYPE G)	390126	SHOPP/201.121	3,910	10,635
44	07-2Y0304	07-LA-71-R1.4/2.6	12-May-05	RAC (TYPE G)	390206	SHOPP/20.80.010.010	2,760	7,507
45	08-0E0304	08-Riv-79-0.0/3.7	27-Apr-05	RAC (TYPE O)	390207	SHOPP/20.80.010.010	2,160	5,875
46	08-0E0604	08-SBd-18-T10.1/R18	23-Mar-05	RAC (TYPE O)	390207	SHOPP/20.80.010.010	11,000	29,920
47	08-0E9404	08-Riv-60-35.4/41.8	23-Mar-05	RAC (TYPE G)	390126	SHOPP/20.80.010.010	6,930	18,850
48	08-0E9504	08-SBd-247-var	30-Jun-05	RAC (TYPE G)	390126	SHOPP/201.130	45,500	123,760

2005 Year Continued

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	METRIC TONNES	TIRES
49	08-0F2004	08-SBd-95-115.8/129.5	25-Apr-05	RAC (TYPE G)	390126	SHOPP/20.80.010.010	7,910	21,515
50	08-0F4404	08-SBd-18-156.9/162.5	15-Jun-05	RAC (TYPE O)	390207	SHOPP/20.80.010.010	5,890	16,021
51	08-0F4604	08-Riv-79-R14.5/R24.1 (KP)	21-Apr-05	A-R BINDER	370120	SHOPP/20.80.010.010	200	7,334
52	08-0F4704	08-Riv-111-T85.3/90.4	28-Apr-05	RAC (TYPE O)	390207	SHOPP/20.80.010.010	6,900	18,768
53	08-0F4804	08-Riv-15,60-83.1/83.6, 0.0/1.3	25-Apr-05	RAC (TYPE G)	390126	SHOPP/20.80.010.010	800	2,176
54	08-1A1404	08-SBd-247-0.8/13.2	08-Apr-05	A-R BINDER	370120	SHOPP/20.80.010.010	480	17,602
55	08-358444	08-SBd-38-R8.2/14.7	07-Sep-05	RAC (TYPE G)	390126	SHOPP/201.122	7,460	20,291
56	09-295504	09-Iny-395-0.0/R13.8	10-Aug-05	RAC (TYPE G)	390206	SHOPP/201.120	49,700	135,184
57	09-301804	09-Mno-395-58.1/72.5,135.7/149.7	30-Aug-05	RAC (TYPE G)	390126	SHOPP/201.122	25,500	69,360
58	09-317604	09-Mno-395-149.6/193.9	07-Oct-05	RAC (TYPE G)	390206	SHOPP/201.120	36,500	99,280
59	09-326264	09-Mno-395-20.3/58.1	13-Jan-05	A-R BINDER	370120	SHOPP/20.80.010.010	930	34,103
60	09-328304	09-Ker-14,395-74.3/81.7, 11.2/19.3	25-May-05	RAC (TYPE O)	390127	SHOPP/20.80.010.010	8,230	22,386
61	09-330304	09-Mno-395-71.6/81.4, 93.5/112.5	03-Jun-05	A-R BINDER	370120	SHOPP/20.80.010.010	1,250	45,838
62	10-0J9704	10-Mer-165-49.2/58.6	06-May-05	RAC (TYPE O)	390127	SHOPP/20.80.010	2,010	5,467
63	10-0M2704	10-SJ-5-0.5/R22.3	10-May-05	RAC (TYPE O)	390207	SHOPP/20.80.010	8,250	22,440
64	10-0M3004	10-SJ-4-32.3/40.2	10-May-05	RAC (TYPE O)	390127	SHOPP/20.80.010.010	4,640	12,621
65	10-3A6804	10-Mer,Mad-152-36.7/R65.7, R0.0/R0.4	14-Jul-05	RAC (TYPE G)	390126	SHOPP/201.121	6,450	17,544
66	11-235504	11-Imp-86-69.7/109.1	31-Aug-05	RAC (TYPE G)	390206	SHOPP/201.120	98,500	267,920
67	11-236304	11-SD-54-T19.6/T22.9□	05-Jul-05	RAC (TYPE G)	390206	SHOPP/201.122	8,090	22,005
68	12-099424	12-Ora-405-26.5/28.6	25-Oct-05	RAC (TYPE G)	390126	SHOPP/201.120	990	2,693
69	12-0F4104	12-Ora-55-14.7/16.5	30-Nov-05	RAC (TYPE G)	390206	SHOPP/20.80.010.020	1,380	3,754
70	12-0G0004	12-Ora-1-31.8/38.2	20-May-05	RAC (TYPE G)	390126	SHOPP/20.80.010.010	14,000	38,080
71	12-0G0014	12-Ora-133-13.5/16.3	07-Mar-05	RAC (TYPE G)	390206	SHOPP/20.80.010	3,350	9,112
72	12-0G3804	12-Ora-405-26.1	17-Nov-05	RAC (TYPE G)	390126	SHOPP/20.80.010.020	80	218
73	12-0G6504	12-Ora-1-32.8	23-Sep-05	RAC (TYPE G)	390126	SHOPP/20.80.010	74	201
		Various Districts		WEED CONTROL MATS (RUBBER)				40,000
						2005 TOTAL	**881,814**	**2,578,069**

2006 Year

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	METRIC TONNES	TIRES
1	01-462004	01-Hum-96-0.0/8.0	10-Apr-06	ASPHALT-RUBBER BINDER	370120	20.80.010.010	320	11,734
2	01-297704	01-Men-20-53.9/R61.0	5-Jun-06	RAC (TYPE G)	390126	201.12	13,100	35,632
3	01-297704	01-Men-20-53.9/R61.0	05-Jun-06	RAC (TYPE O)	390127	201.12	4,210	11,451
4	02-1C8304	02-Mod-139,299-Var	28-Feb-06	RAC (TYPE G)	390126	HM1	4,480	12,186
5	02-1C8204	02-Plu-36-R22.5/29.6	07-Jun-06	RAC (TYPE G)	390126	20.80.010.010	4,850	13,192
6	02-1C8204	02-Plu-36-R22.5/29.6	07-Jun-06	ASPHALT-RUBBER BINDER	370120	20.80.010.010	33	1,210
7	02-387304	02-Sha,Sis-5-93.3/107.8,0.0/4.3	20-Jun-06	RAC (TYPE G)	390126	HA22	61,200	166,464
8	02-3C2004	02-Las-36-39.3/47.3	12-Dec-06	RAC (TYPE G)	390126	HM1/20.80.010/10.122	9,070	24,670
9	03-2M3904	03-But-32-0.1/12.4	11-May-06	RAC (TYPE O)	390127	20.80.010.010	5,600	15,232
10	03-2M1004	03-Yub-20,65-3.2/10.9,0.0/4.7	23-May-06	RAC (TYPE G)	390126	20.80.010.010	9,790	26,629
11	03-4A5704	03-Yub-70-30.4/32.1	30-Jun-06	RAC (TYPE G)	390126	201.01	3,320	9,030
12	03-1A5304	03-Yub,Nev-20-34.6/34.9,0.0/R6.6	19-Sep-06	RAC (TYPE O)	390127	HB1/201.01	4,770	12,974
13	03-1A97W4	03-Col,Sut-20-52.7/63.4,0.0/4.0	22-Nov-06	RAC (TYPE O)	390127	HA22/20.20.201.120	12,100	32,912
14	03-1E6804	03-Sac-51-1.7/8.2	27-Nov-06	RAC (TYPE O)	390127	HM1/20.80.010.122/10.	14,400	39,168
15	03-1E7204	03-Sac-5-40.8/55.2	07-Dec-06	RAC (TYPE O)	390127	HM1/20.80.010.122/10.	34,300	93,296
16	03-2E1404	03-Sac-50-24.0/29.6	20-Nov-06	RAC (TYPE O)	390127	HB4N/20.20.201/201.31	3,940	10,717
17	03-2E1504	03-Sac,ED-50-36.6/37.2,0.0/1.8	14-Nov-06	RAC (TYPE O)	390127	201.31	3,120	8,486
18	03-367814	03-Pla,Sac-80,5530-0.3/3.3	07-Nov-06	RAC (TYPE G)	390126	HB5	5,400	14,688
19	03-2C2104	03-PLA-80-0.0/1.6	06-Feb-06	WEED CONTROL MATS (RUBBER)				1,453
20	04-263704	04-CC-80-15.8/20.8	19-Jan-06	RAC (TYPE G)	390126	HB4C	1,310	3,563
21	04-0C8604	04-Son-37-3.2/6.6	05-Apr-06	RAC (TYPE G)	390126	201.121	10,200	27,744
22	04-0C6904	04-Ala-680-R19.9/R28.9	08-May-06	RAC (TYPE G)	390206	201.121	14,300	38,896
23	04-0C6904	04-Ala-680-R19.9/R28.9	08-May-06	RAC (TYPE O)	390207	201.121	9,930	27,010
24	04-272014	04-SCl-280-R3.5/8.2	24-May-06	RAC (TYPE G)	390126	201.12	12,600	34,272
25	04-0E0504	04-Mrn-101-R37.0/44.4	08-Jun-06	RAC (TYPE G)	390126	HM1	11,800	32,096
26	04-249044	04-Ala-238,580,880-R23.2/R26.8,48.5/R	17-Aug-06	RAC (TYPE G)	390126	HE13/201.12	12,000	32,640
27	04-249044	04-Ala-238,580,880-R23.2/R26.8,48.5/R	17-Aug-06	RAC (TYPE O)	390127	HE13/201.121	9,050	24,616
28	04-272124	04-CC-4-50.0/R65.6	31-Aug-06	RAC (TYPE G)	390126	HA22/20.80.201.121	28,700	78,064
29	04-4C2904	04-Nap-29-11.9/18.2	06-Sep-06	RAC (TYPE G)	390126	HA22/201.121	15,500	42,160
30	04-0C9504	04-SM-101-0.0/10.9	29-Sep-06	RAC (TYPE G)	390126	HA22 20.10.201.121	39,000	106,080
31	04-0C7204	04-CC-4-7.9/R27.1	22-Dec-06	RAC (TYPE G)	390206	20.20.201/201.121	34,700	94,384
32	04-0C8304	04-Sol-505-0.0/17.0	05-Oct-06	RAC (TYPE G)	390126	201.121	87,400	237,728
33	04-172404	04-Ala-84-33.3/37.0	21-Dec-06	RAC (TYPE G)	390126	20.20.201/201.01	9,500	25,840
34	05-345304	05-SLO-41-17.5/19.6	10-Jul-06	RAC (TYPE O)	390127	HE13/600/75.6	480	1,306
35	05-0L9104	05-SLO-41-0.1/16.9	25-Sep-06	RAC (TYPE O)	390127	HM1A 20.80.010.010	12,000	32,640
36	05-0N6404	05-SLO-46-R0.2/R12.6, R24.3/R35.2	05-Oct-06	RAC (TYPE O)	390127	20.80.010/10.122	21,000	57,120
37	05-0N8104	05-SLO-46-R12.5/R24.3	10-Oct-06	RAC (TYPE G)	390126	20.20.201.130/201.13	19,100	51,952
38	06-422304	06-Ker-178-12.1/21.9	05-Jan-06	RAC (TYPE G)	390206	120	20,800	56,576
39	06-364604	06-Kin-41-45.7/53.1	06-Apr-06	RAC (TYPE G)	390206	HA22	12,900	35,088
40	06-463604	06-Ker-58-107.8/124.3	23-Jun-06	RAC (TYPE G)	390126	120	44,800	121,856
41	06-0E2604	06-Fre-99-32.5/44.0	10-Aug-06	RAC (TYPE O)	390127	HA22/201.122	15,200	41,344
42	06-0F4304	06-Kin,Ker-33,166-20.1/27.5;8.0/14.5	25-Sep-06	RAC (TYPE G)	390126	HM1A/10.01	4,800	13,056
43	06-0F4104	06-Tul-65,190,201-Var	13-Nov-06	RAC (TYPE G)	390126	20.80.010.010/10.01	6,120	16,646
44	07-224404	07-LA-170-R30.2/R31.9	27-Mar-06	RAC (TYPE G)	390126	0	360	979
45	07-1Y7704	07-Ven-23-5.9/16.7	25-Apr-06	RAC (TYPE G)	390126	HM1A	7,300	19,856
46	07-2Y0104	07-LA-710-R34.8/R43.3	28-Apr-06	RAC (TYPE G)	390126	HM1A	3,850	10,472
47	07-1Y7404	07-Ven-34-10.1/20.0	04-May-06	RAC (TYPE G)	390126	HM1A	6,860	18,659
48	07-1Y8104	07-LA-118-R15.9/R21.4	08-May-06	RAC (TYPE G)	390126	HM1A	2,200	5,984

2006 Year Continued

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	METRIC TONNES	TIRES
49	07-2Y3604	07-LA-110,405-17.9/20.9,24.6/33.1	08-May-06	RAC (TYPE G)	390126	HM1A	4,310	11,723
50	07-1Y1504	07-LA-110-48.6/51.3	24-May-06	RAC (TYPE G)	390126	HM1A	2,900	7,888
51	07-1Y5604	07-LA-1-10.9/14.9	24-May-06	RAC (TYPE G)	390126	HM1A	4,810	13,083
52	07-2Y3204	07-Ven-118-25.8/R28.8	26-May-06	RAC (TYPE G)	390126	HM1A	6,100	16,592
53	07-1Y5304	07-LA-164-6.5/8.9	30-May-06	RAC (TYPE G)	390126	HM1A	3,590	9,765
54	07-1Y8204	07-LA-138-8.1/16.1	30-May-06	RAC (TYPE G)	390126	HM1A	4,800	13,056
55	07-1P1504	06-LA-5-137.8/139.2	22-Jun-06	RAC (TYPE G)	390126	120	1,400	3,808
56	07-214204	07-LA-2-39.3/132.4	22-Jun-06	RAC (TYPE G)	390126	121	111,000	301,920
57	07-2Y3304	07-Ven-33-18.0/33.4	23-Jun-06	RAC (TYPE G)	390126	HM1A	9,070	24,670
58	07-184904	07-LA-23-0.0/14.3	21-Jul-06	RAC (TYPE G)	390126	HA22/201.121	14,700	39,984
59	07-4L7504	07-Ven-126-47.2/52.7	12-Sep-06	RAC (TYPE G)	390206	HB1/20.20.201.010	60	163
60	07-2203U4	07-LA-710-8.9/10.9	21-Nov-06	RAC (TYPE G)	390126		12,800	34,816
61	07-4S3504	07-LA-27-11.1	11-Dec-06	RAC (TYPE G)	390126	HA42/20.XX.201/201.15	170	462
62	08-358424	08-SBd-38-R15.0/R15.5	27-Mar-06	RAC (TYPE G)	390126	114	700	1,904
63	08-481904	08-Riv-95-17.7/40.2	28-Mar-06	RAC (TYPE G)	390126	121	12,100	32,912
64	08-0F8104	08-Riv-79-R54.4/R65.0	21-Apr-06	RAC (TYPE O)	390127	HM1A	9,410	25,595
65	08-0F8304	08-Riv-74-44.3/49.1	21-Apr-06	RAC (TYPE G)	390126	HM1A	8,110	22,059
66	08-0F8904	08-SBd-395-74/83.7	25-Apr-06	RAC (TYPE O)	390207	HM1A	8,920	24,262
67	08-0F9004	08-SBd-247-38.6/52.0	04-May-06	RAC (TYPE G)	390126	HM1A	7,380	20,074
68	08-0F7904	08-Riv-95-45.0/58.3	15-May-06	RAC (TYPE G)	390126	HM1A	7,780	21,162
69	08-0F8704	08-SBd-2-0.0/6.8	17-May-06	RAC (TYPE G)	390126	HM1 A	6,180	16,810
70	08-0G5104	08-Riv-95-0.0/10.5	25-May-06	RAC (TYPE G)	390126	HM1A	8,600	23,392
71	08-0F9104	08-Riv-74-148.5/154.5	15-Jun-06	RAC (TYPE G)	390126	HM1A	10,300	28,016
72	08-0G6804	08-SBd-395-R6.9/11.4,14.1/18.8	19-Sep-06	RAC (TYPE O)	390127	HA22/20.20.201.122	8,420	22,902
73	08-482304	08-SBd-247-Var	20-Nov-06	RAC (TYPE G)	390126	HA22/201.121	25,400	69,088
74	09-319704	09-Iny-395-50.1/66.6	01-Mar-06	RAC (TYPE G)	390126	10	16,500	44,880
75	09-301404	09-Iny-395-41.1/50.2,2.66/73.4	25-Apr-06	RAC (TYPE G)	390126	121	16,500	44,880
76	09-335304	09-Mno-395-9.6/20.3,83.7/89.5	09-May-06	ASPHALT-RUBBER BINDER	370120	HM1A	650	23,836
77	09-301704	09-Iny-395-184.9/189.9,R196.3/R208.3	12-Sep-06	RAC (TYPE G)	390126	HA22/20.10.201.121	19,230	52,306
78	10-0M6704	10-SJ,Sta-12,26,132-Var	24-Feb-06	ASPHALT-RUBBER BINDER	370120	20.80.010.010	1,290	47,304
79	10-300164	10-SJ-5,205-R20/R22.0,R3.8/R21.6	28-Mar-06	RAC (TYPE G)	390206	HB4C	32,000	87,040
80	10-0M4004	10-Tuo-120-11.9/18.2,R57.1/R61.5	19-Apr-06	RAC (TYPE O)	390127	20.80.010.010	6,880	18,714
81	10-0M3504	10-Mer-152,165-Var	04-May-06	RAC (TYPE G)	390126	20.80.010.010	4,100	11,152
82	10-0M2804	10-SJ-12-29.6/33.5	09-May-06	RAC (TYPE O)	390127	20.80.010.010	4,310	11,723
83	10-0M3804	10-Mer-99-28.4/38.3	12-May-06	RAC (TYPE O)	390127	20.80.010.010	5,500	14,960
84	10-0M4104	10-Tuo-108-73.2/80.9	22-May-06	RAC (TYPE G)	390126	20.80.010.010	4,660	12,675
85	10-0P2804	10-Mer-99-8.0/33.6	11-Sep-06	RAC (TYPE G)	390126	HA22/20.20.201.121	15,400	41,888
86	10-0N2104	10-Sta,SJ-5-0.0/45.2,0.0/0.5	20-Sep-06	RAC (TYPE G)	390126	20.80.010.122	48,100	130,832
87	11-238504	11-SD-805-17.4/19.0	06-Apr-06	RAC (TYPE G)	390126	120	3,300	8,976
88	11-261004	11-SD-79-16.1/32.5	30-May-06	ASPHALT-RUBBER BINDER	370120	HM1A	370	13,568
89	11-072804	11-SD-78-5.1/8.0,19.3/R25.7	18-Oct-06	RAC (TYPE G)	390126	HA22/201.12	48,600	132,192
90	12-0H0104	12-Ora-55,91-17.3/28.5,11.1/11.9	22-Jun-06	RAC (TYPE G)	390126	HM1A	6,980	18,986
91	12-0G7604	12-Ora-91-27.2/28.0	29-Jun-06	RAC (TYPE G)	390126	10	1,970	5,358
92	12-0F9504	12-Ora-5-36.8/R39.9	01-Aug-06	RAC (TYPE G)	390126	HB1/201.01	19,500	53,040
93	12-0F1804	12-Ora-241-28.3/40.2	12-Sep-06	RAC (TYPE O)	390127	HA22/20.20.201.122	12,500	34,000
94	12-0C5504	12-Ora-133-0.0/0.5	25-Sep-06	RAC (TYPE G)	390206	201.12	730	1,986
95	12-0C5504	12-Ora-133-0.0/0.5	25-Sep-06	ASPHALT-RUBBER BINDER	370120	201.12	20	733
96	12-0C5504	12-Ora-133-0.0/0.5	25-Sep-06	RUBBERIZED SEAL COAT	375024	201.12	150	5,501
97	12-043214	12-Ora-74-21.4/26.7	22-Dec-06	RAC (TYPE G)	390126	20.10.201/201.01	6,060	16,483
						2006 TOTAL	**1,232,073**	**3,448,872**

2007 Year

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	METRIC TONNES	TIRES
1	02-2C74U4	02-Sha-5-1.9/R19.0	04-Jun-07	RAC (TYPE O)	390127	HM1/010.122.030.115	28,123	76,495
2	02-3C4604	02-Las-395-158.1/191.5	17-May-07	A-R BINDER	370120	HM1/20.80.010.10.01	880	32,270
3	02-3C4804	02-Mod-139,299-R9.7/R17.1,60.4/65.3	13-Jun-07	RAC (TYPE G)	390126	HM/20.80.010.010	10,000	27,200
4	03-1E7704	03-Sac,Yub-50, 70, 80-Var	10-Jan-07	WEED CONTROL MAT (RUBBEI	10902	HB1/20.20.201.010		3,971
5	03-1A9104	03-Sut-20,99-25.1,46.0/R49.7	03-Apr-07	RAC (TYPE O)	390127	HA22/20.20.201.120	5,590	15,205
6	03-1E3604	03-Sac-16-7.9/9.2	18-Apr-07	RAC (TYPE O)	390127	HB1/20.20.201.010	1,070	2,910
7	03-1E6904	03-Gle-5-R0.0/R20.0	16-May-07	RAC (TYPE O)	390127	HM1.20.80.010.122	31,752	86,365
8	03-1E1604	03-But-70-17.6/18.9	20-Aug-07	RAC (TYPE O)	390127	SHOPP/20.20.201.010	1,340	3,645
9	03-3A0104	03-Sac-5-25.0/36.6	06-Sep-07	RAC (TYPE G)	390126	SHOPP/20.10.201.121	44,500	121,040
10	03-2m4104	03-Yol-5-R22.8/R27.0	03-Dec-07	RAC (TYPE O)	390127	Maint./20.80.010.010	7,176	19,519
11	04-0C7904	04-Sol-12-L2.9/12.7	24-Apr-07	RAC (TYPE G)	390126	HA22/20.20.201.121	30,400	82,688
12	04-0C9204	04-SF-101-0.0/R6.8	07-May-07	RAC (TYPE G)	390126	HA22/201.121	12,900	35,088
13	04-0C9604	04-SM-280-17.4/R43.0	11-Jan-07	RAC (TYPE G)	390126	HA23/20.20.201.121	12,500	34,000
14	04-269604	04-CC-24-0.2/13.3	15-Mar-07	RAC (TYPE G)	390126	HA22/201.12	68,000	184,960
15	04-447204	04-Ala-92-10.9/13.2	02-Aug-07	RAC (TYPE G)	390126	SHOPP/20.20.201.120 I	8,820	23,990
16	04-0060a4	04-CC,Sol-680,780-38.0/41.0,L0.0/R1.6	21-Nov-07	RAC (TYPE G)	390126	SHOPP/201.020.3842 &	1,190	3,237
17	04-0t2404	04-Sol,Nap-80-6.3/13.1	05-Dec-07	RAC (TYPE G)	390126	SHOPP/20.20.201.120	34,500	93,840
18	04-444004	04-Ala-84-7.9/9.5	20-Dec-07	RAC (TYPE G)	390126	STIP/20.10.075.600HBE	3,200	8,704
19	05-0N9204	05-SCr-1-41.4/46.7	16-May-07	RAC (TYPE G)	390126	HM1A/20.80.010.010	5,300	14,416
20	05-0P0404	05-SB,SLO-166-R41.0/R45.4, R49.9/R5(	18-May-07	RAC (TYPE G)	390126	HB1/20.80.010	9,290	25,269
21	06-0F4204	06-Fre-145,168,180-Var	30-Apr-07	RAC (TYPE G)	390126	HM1/20.80.010.010	12,500	34,000
22	06-0F4704	06-Mad-99-R12.0/15.5,20.9/31.5	27-Apr-07	RAC (TYPE O)	390127	HM1/20.80.010.122	12,200	33,184
23	06-0F7504	06-Ker-184-L0.1/0.8	21-May-07	RAC (TYPE G)	390126	HA22/201.121	6,387	17,373
24	06-459404	06-Tul-99-R54.7/67.6	16-May-07	RAC (TYPE G)	390126	HA22/201.12	28,500	77,520
25	06-0E0504	06-Fre-05-59.9/78.2	24-Jul-07	RAC (TYPE G)	390126	SHOPP/201.121	61,400	167,008
26	06-0e2704	06-Kin,Fre-41-R73.9/R77.7,R0.0/R1.6	27-Nov-07	RAC (TYPE G)	390126	SHOPP/20.20.201.121	10,800	29,376
27	06-0g6504	06-Fre-99-11.1/15.4,28.4/31.6	18-Dec-07	RAC (TYPE O)	390127	Maint./20.80.010.122	11,340	30,845
28	07-116794	07-Ven,LA-23,118-Var	22-Feb-07	RAC (TYPE G)	390126	20.XX.075.600/75.6	3,060	8,323
29	07-183114	07-LA-710-15.1/29.6	31-May-07	RAC (TYPE G)	390126	HA22/201.125	42,400	115,328
30	07-1Y4504	07-LA-210-R36.2/R39.6	05-Apr-07	RAC (TYPE G)	390126	HM1/20.80.010.020	2,340	6,365
31	07-254204	07-LA-1-28.1/33.1	28-Feb-07	RAC (TYPE G)	390126	10.122	6,130	16,674
32	07-254604	07-LA-138-25.9/39.6	26-Apr-07	A-R BINDER	11449	HM1/20.80.010.122	410	15,035
33	07-2Y3504	07-LA-10, 110-23.8/30.9,34.7	11-Jan-07	RAC (TYPE G)	390126	HM1A/20.80.010.010	1,330	3,618
34	07-2Y4204	07-LA-10-60.8/62.1	19-Apr-07	RAC (TYPE G)	390126	HM1/20.80.010.020	1,900	5,168
35	07-2Y4504	07-LA-60-R48.4/R48.8	20-Jun-07	RAC (TYPE G)	390126	20.80.010.010	440	1,197
36	07-2Y5804	07-LA-110-41.4/41.9	17-May-07	RAC (TYPE G)	390126	HM1A/20.80.010.010	450	1,224
37	07-1x8404	07-LA-5-C45.4/C46.1	29-Oct-07	RAC (TYPE G)	390126	Other/20.20.201.130	109	296
38	07-254304	07-LA-1-35.3/46.9	12-Dec-07	RAC (TYPE G)	390126	Maint./20.80.010.122	39,553	107,584
39	07-254304	07-LA-1-35.3/46.9	12-Dec-07	A-R BINDER	370120	Maint./20.80.010.122	136	4,987
40	07-4L7304	07-LA-105-R0.5	16-Nov-07	RAC (TYPE G)	390126	Minor A/20.10.201.121	472	1,284
41	08-0G7204	08-Riv-10-R215.7/R231.9	29-Mar-07	RAC (TYPE O)	390127	HA22/20.80.010.122	12,600	34,272
42	08-0H6104	08-Riv-62-R10.8/14.8	11-May-07	RAC (TYPE G)	390126	HM1/20.80.010.010	5,410	14,715
43	08-0H6204	08-SBd-18-33.0/49.9	23-Mar-07	RAC (TYPE O)	390127	HM1/20.80.010.010	7,120	19,366
44	08-0H6404	08-SBd-247-61.2/66.0	30-May-07	RAC (TYPE G)	390126	HM1/20.80.010	2,790	7,589
45	08-0H6504	08-SBd-62-88.5/127.9	25-May-07	RAC (TYPE O)	390127	HM1/20.80.010	12,200	33,184

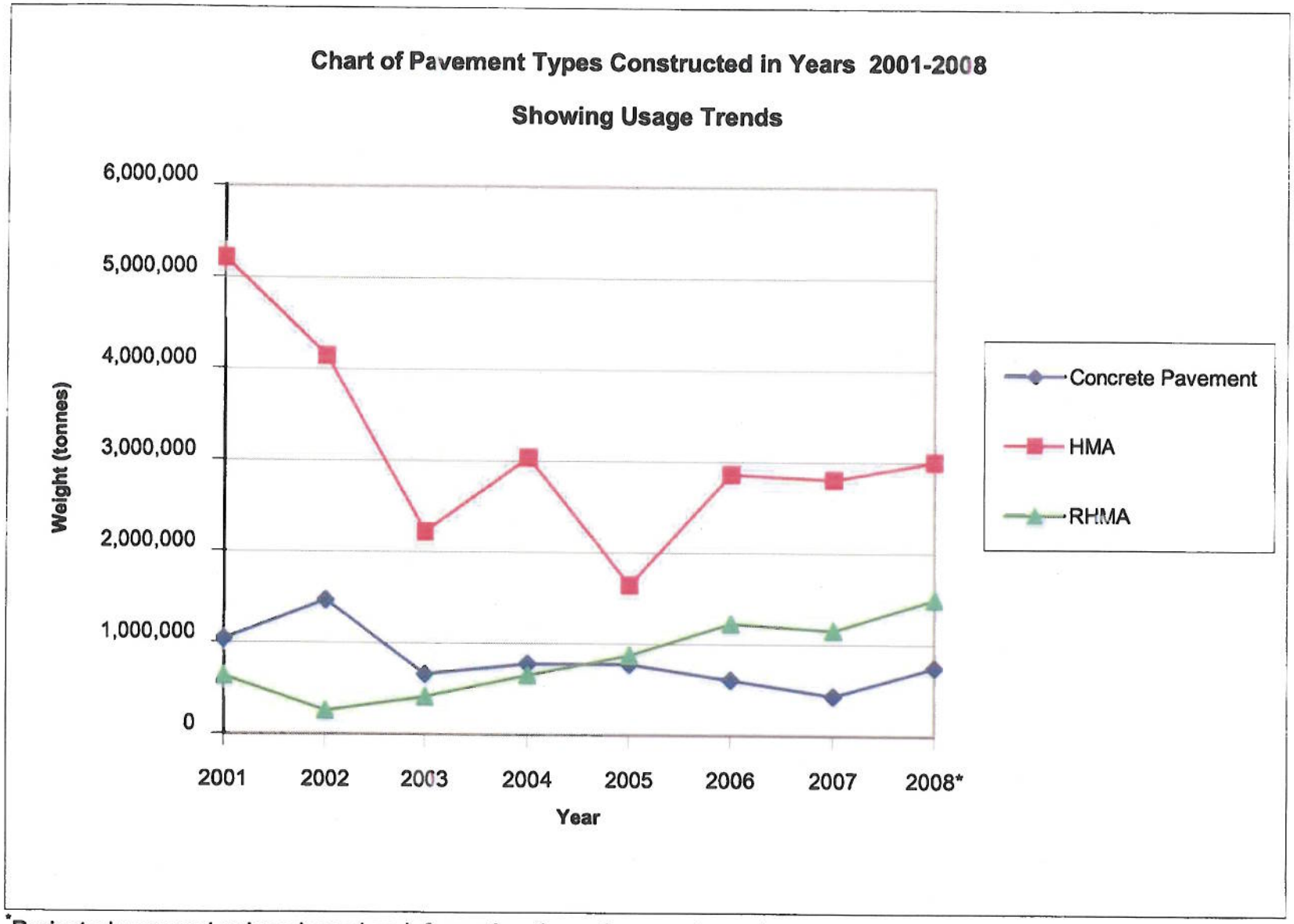
2007 Year Continued

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	METRIC TONNES	TIRES
46	08-0H6704	08-Riv-74-65.3/68.5	30-May-07	RAC (TYPE G)	390126	HM1/20.80.010	5,150	14,008
47	08-0H6804	08-Riv-195-10.6/11.9	05-Mar-07	RAC (TYPE G)	390126	HM1/10.01	850	2,312
48	08-0H6904	08-Riv-371-90.9/98.2	07-Jun-07	RAC (TYPE O)	390127	HM1/20.80.010.010	13,300	36,176
49	08-0H7104	08-SBd-18-64.1/71.3	14-Jun-07	RAC (TYPE O)	390127	HM1/10.01	4,180	11,370
50	08-0H8604	08-SBd-18-94.9/97.8	27-Apr-07	RAC (TYPE G)	390126	HM1/20.80.010.010	2,070	5,630
51	08-0J2504	08-Riv-79-7.9/21.7	16-Mar-07	RAC (TYPE O)	390127	HM1/010.010	1,880	5,114
52	08-472004	08-SBd-60-R0.0/R16.0	16-Jan-07	RAC (TYPE G)	390126	HA22/20.20.201.120	10,100	27,472
53	08-495204	08-Riv-15-13.2/38.4	07-Sep-07	RAC (TYPE G)	390126	SHOPP/20.20.201.121	33,800	91,936
54	08-0h7204	08-SBd-62-122.0/133.6	21-Dec-07	RAC (TYPE O)	390127	Maint./20.80.010.010	6,777	18,433
55	09-317704	09-Iny,Mno-395-Var	22-May-07	RAC (TYPE G)	390126	HM1/20.80.010.122	29,200	79,424
56	09-333004	09-Iny-395-72.3/81.9,85.1/88.0	31-May-07	RAC (TYPE G)	390126	HA22/201.121	20,600	56,032
57	09-214614	09-Iny-395-124.0/147.4	23-Aug-07	RAC (TYPE G)	390126	STIP/HE13	19,100	51,952
58	10-0M3104	10-SJ-580-8.1/14.5	18-May-07	RAC (TYPE G)	390126	HB1/20.80.010	7,090	19,285
59	10-0M3304	10-SJ-88/99-0.0/8.4, 11.3/16.1	13-Apr-07	RAC (TYPE O)	390127	HM1/20.80.010.010	13,000	35,360
60	10-0M3404	10-Mer-152-18.2/29.3	14-May-07	RAC (TYPE G)	390126	20.80.010	9,600	26,112
61	10-0M3604	10-Sta-132-45.2/48.8	23-May-07	RAC (TYPE G)	390126	HB1/20.80.010	3,290	8,949
62	10-0M3904	10-Alp-89-34.4/38.6	16-Feb-07	RAC (TYPE G)	390126	10.01	3,240	8,813
63	10-0N0204	10-SJ-5-22.2/40.8	21-May-07	RAC (TYPE G)	390126	HA22/10.122	15,200	41,344
64	10-0N1504	10-Fre,Mer-5-105.9/106.4,0.0/52.5	09-Jul-07	RAC (TYPE G)	390126	SHOPP/20.20.201.121	197,000	535,840
65	11-275904	11-Imp-8-R45.1/R65.8	03-Apr-07	A-R BINDER	370120	HM1A/20.80.010.10.01	830	30,436
66	11-276904	11-SD-94-62.7/85.1	13-Jun-07	RAC (TYPE O)	390127	HM1/10.80.010.122	10,100	27,472
67	11-277104	11-SD-78-R16.0/N17.6	14-Jun-07	RAC (TYPE O)	390127	20.80.010.010	3,420	9,302
68	11-275004	11-Imp-115-R5.0/34.1	30-Aug-07	RAC (TYPE O)	390127	SHOPP/20.10.201.121	14,800	9,302
69	11-274804	11-SD-905-4.7/9.2,16.9	19-Nov-07	RAC (TYPE G)	390126	SHOPP/20.20.201.121	12,800	40,256
70	12-0E0604	12-Ora-405-27.7/40.1	12-Jan-07	RAC (TYPE G)	390126	HA22/20.20.201.120	1,560	4,243
71	12-0G4004	12-Ora-5-34.3/50.5	15-Feb-07	RAC (TYPE G)	390126	20.20.201.121	99,000	269,280
72	12-0H2484	12-Ora-57-19.0/20.9	04-May-07	RAC (TYPE G)	390126	HB1/20.10.201.010	200	544
73	12-0H2494	12-Ora-133-13.4	18-Apr-07	RAC (TYPE G)	390126	HB1/20.20.201.010	250	680
74	12-0H3704	12-Ora-5,55-48.7,16.6	01-Jun-07	RAC (TYPE G)	390126	HB1/201.010	470	1,278
75	12-0H4004	12-Ora-39-5.1/9.3	03-Apr-07	RAC (TYPE G)	390126	HM1/20.80.010.010	10,300	28,016
76	12-0H4104	12-Ora,LA-39-27.8/30.9	21-May-07	RAC (TYPE G)	390126	HM1/20.80.010	6,470	17,598
77	12-0E0204	12-Ora-5-23.4/34.4	09-Apr-07	RAC (TYPE G)	390126	HA22/20.20.201.121	2,470	6,718
78	12-0H5404	12-Ora-405-21.4/21.8	20-Aug-07	RAC (TYPE G)	390126	SHOPP/20.20.201.010	360	979
						TOTAL 2007	**1,156,965**	**3,201,993**

2008 Year through 2 Quarters

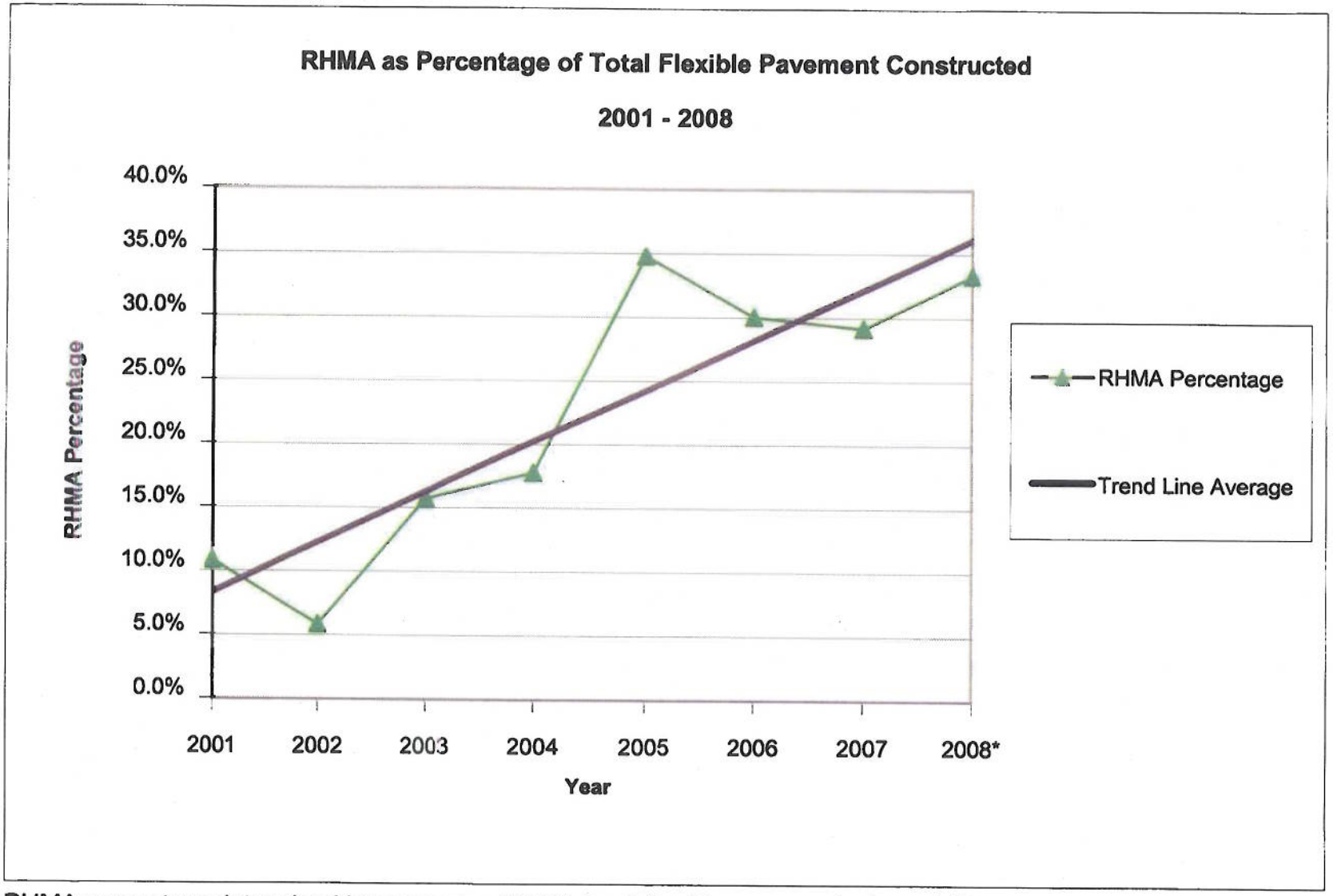
	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
1	01-398504	01-Lak-29-20.4/R34.4	28-Mar-08	RHMA (GAP GRADED)	390137	20.10.201.121	26,700		65,949
2	01-398504	01-Lak-29-20.4/R34.4	28-Mar-08	RHMA (OPEN GRADED)	390138	20.10.201.121	10,300		25,441
3	01-398504	01-Lak-29-20.4/R34.4	28-Mar-08	A-R Binder	370120	20.10.201.121	610		20,295
4	01-399304	01-Lak-20-0.6/9.4	3-Apr-08	RHMA (GAP GRADED)	390140	20.10.201.121	23,100		57,057
5	01-399304	01-Lak-20-0.6/9.4	3-Apr-08	RHMA (OPEN GRADED)	390138	20.10.201.121	11,600		28,652
6	01-399304	01-Lak-20-0.6/9.4	3-Apr-08	A-R Binder	370120	20.10.201.121	490		16,302
7	01-478904	01-Men-101-R0.1/9.2,11.7/R21.1	25-Apr-08	RHMA (BONDED WEARING COI	390159	20.80.010.122	32,000		79,040
8	02-0C9704	02-Teh-5-R19.0/R20.5	23-May-08	RAC (TYPE O)	390127	20.10.201.111		2,830	7,698
9	02-328034	02-Sha-5,44-R22.5/R26.9,L0.3/L2.8	5-Mar-08	RAC (TYPE G)	390126	20.10.025.700, 20.10.075.600		8,270	22,494
10	02-328034	02-Sha-5,44-R22.5/R26.9,L0.3/L2.8	5-Mar-08	RAC (TYPE O)	390127	20.10.025.700, 20.10.075.600		2,720	7,398
11	02-4c6204	02-Sha-299-67.8/77.9	8-Feb-08	RAC (TYPE G)	390126	20.80.010.122	19,600		48,412
12	03-3338u4	03-Pla-65-R19.3/R38.3	9-Jun-08	RAC (TYPE G)	390126	20.10.025.700		52,700	143,344
13	03-367824	03-Sac,Pla-80-28.1/29.0,0.0/4.7	1-May-08	RHMA (OPEN GRADED)	390138	20.10.025.700		17,200	46,784
14	03-3c8704	03-Gle-5-R20.0/R28.8	3-Jun-08	RHMA (OPEN GRADED)	390138	20.20.201.121	18,400		45,448
15	04-1e0704	04-SM-101-6.6/11.9	8-May-08	RHMA (GAP GRADED)	390137	20.80.010.122	16,900		41,743
16	04-2409u4	04-Sol-80-12.9 / 20.8	20-Jun-08	RAC (TYPE G)	390126	201.12		38,500	104,720
17	04-2a9904	04-SF-280-0.0/7.5	3-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.122	2,670		6,595
18	04-4a2204	04-Nap-29-19.4/21.7	24-Jun-08	RHMA (GAP GRADED)	390137	20.20.201.121	3,880		9,584
19	04-4C1524	04-Sol-80-20.1/30.6	18-Mar-08	RAC (TYPE G)	390126	20.20.201.120	87,900		217,113
20	05-0m2004	05-SB-217-0.5/2.7	13-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	5,000		12,350
21	05-0P0104	05-SBt-156-R16.2/R16.9	11-Mar-08	RHMA (GAP GRADED)	390137	20.80.010.010	2,010		4,965
22	05-0p0204	05-SB-246-31.1/34.6	13-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	6,560		16,203
23	06-0e1804	06-Ker-58-R96.0/R103.6	16-May-08	RAC (TYPE G)	390126	20.80.201.120		10,080	27,418
24	06-0g6004	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
25	06-0g6004	06-Mad-145-8.1/9.1,14.8/16.8	6-May-08	RHMA (OPEN GRADED)	390138	20.80.010.010	2,300		5,681
26	06-0g6104	06-Tul-190-14.9/18.8	8-May-08	RHMA (GAP GRADED)	390140	20.80.010.010	14,300		35,321
27	06-0g6404	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
28	06-0h8404	06-Ker-58-77.3/R107.6	1-May-08	RHMA (BONDED WEARING COI	390157	20.80.010.122	14,100		34,827
29	06-0h8404	06-Ker-58-77.3/R107.6	1-May-08	RHMA (BONDED WEARING COI	390159	20.80.010.122	29,400		72,618
30	06-0h8804	06-Kin,Tul-43, 63-Var	29-May-08	RHMA (GAP GRADED)	390140	20.80.010.010	18,100		44,707
31	06-0h8804	06-Kin,Tul-43, 63-Var	29-May-08	RHMA (OPEN GRADED)	390138	20.80.010.010	1,530		3,779
32	06-0h9104	06-Mad-99-1.0/R7.4	11-Apr-08	RHMA (OPEN GRADED)	390138	20.80.010.010	9,040		22,329
33	06-0j3904	06-Tul-99-27.6/33.3	6-Jun-08	RHMA (OPEN GRADED)	390138	20.80.010.122	8,520		21,044
34	06-0j4304	06-Mad-145, 233-Var	17-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	4,600		11,362
35	06-0j4304	06-Mad-145, 233-Var	17-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	4,600		11,362
36	06-0j4704	06-Fre-33-0.0/49.5	10-Jun-08	RHMA (GAP GRADED)	390140	20.80.010.010	18,500		45,695
37	06-489804	06-Ker-5-15.0/30.0	6-May-08	RHMA (OPEN GRADED)	390138	20.80.010.122	18,700		46,189
38	07-1189f4	07-Ven-150-45.8	18-Jan-08	RAC (TYPE G)	390126	20.10.201.112		310	843
39	07-1x2404	07-LA-10,710-33.8/34.3,42.1/42.5	15-May-08	RHMA (GAP GRADED)	390137	20.20.201.131		730	1,986
40	07-2y4304	07-LA-60-30.6/R37.5	24-Mar-08	RAC (TYPE G)	390126	20.80.010.010		6,270	17,054
41	07-2y5104	07-LA-1-9.5/12.2	1-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,430		18,352
42	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
43	07-2y6204	07-Ven-33-0.4/1.8	18-Jan-08	RAC (TYPE G)	390126	20.80.010.010	2,610		6,447

	CONTRACT	DIST/CO/RTE/PM	AWARD DATE	ITEM DESCRIPTION	ITEM CODE	PROGRAM	U.S. CUSTOMARY TONS	METRIC TONNES	TIRES
44	07-2y6604	07-Ven,LA-118-R52.0/R2.1	29-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010		2,400	6,528
45	07-2y8404	07-LA-710-16.7/17.3	2-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	1,380		3,409
46	07-2y8504	07-LA-134-0.0/1.6	11-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010		830	2,258
47	07-3y1504	07-LA-1-0.1/2.1	23-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,340		18,130
48	07-3Y1604	07-LA-57-R6.8/R7.7	8-Feb-08	RAC (TYPE G)	390126	20.80.010.020	2,300		5,681
49	08-0g6404	08-SBd-15-R124.2/R137.3	16-Apr-08	RHMA (OPEN GRADED)	390138	20.80.010.122		16,500	44,880
50	08-0G7004	08-Riv-10-R105.0/R134.3	7-Mar-08	RHMA (OPEN GRADED)	390138	20.80.010.122	35,600		87,932
51	08-0g7304	08-Riv-10-R144.1/R156.6	17-Mar-08	RHMA (OPEN GRADED)	390138	20.80.010.122	19,000		46,930
52	08-0j0304	08-Riv-95-25.0/28.0	29-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	3,840		9,485
53	08-0j0404	08-SBd-62-94/97,100/104	3-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	11,600		28,652
54	08-0k4604	08-SBd-62-27.2/30.7	28-Mar-08	RHMA (GAP GRADED)	390137	20.80.010.010	1,270		3,137
55	08-0k5704	08-SBd-62-137.3/142.3	23-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,540		18,624
56	08-0k5804	08-SBd-95-42.0/45.0	30-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	4,330		10,695
57	08-0k6304	08-Riv-177-0.0/27.0	14-May-08	RHMA (OPEN GRADED)	390138	20.80.010.122	22,800		56,316
58	08-0k6504	08-Riv-86-0.0/2.4	16-May-08	RHMA (OPEN GRADED)	390138	20.80.010.010	1,430		3,532
59	09-2144u4	09-Iny-395-R104.6/122.5	16-Jun-08	RAC (TYPE G)	390126	20.10.075.600		44,500	121,040
60	09-332104	09-Iny-395-R11.8/25.9	10-Apr-08	RHMA (OPEN GRADED HIGH BI	390139	20.80.010.122	20,000		49,400
61	09-332604	09-Mno-203-L0.0/R8.7	16-Apr-08	RHMA (OPEN GRADED HIGH BI	390139	20.80.010.122	15,200		37,544
62	09-336704	09-Mno-120,158,395-Var	3-Apr-08	RHMA (OPEN GRADED HIGH BI	390139	20.80.010.010	10,200		25,194
63	09-337004	09-Mno-120,167-Var	15-Apr-08	A-R Binder	370120	20.80.010.010	640		21,293
64	09-338004	09-Mno-395-55.6/58.1,63.9/65.1,69.9/84.	12-Jun-08	RHMA (OPEN GRADED HIGH BI	390139	20.80.010.122	19,800		48,906
65	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
66	10-0H3804	10-Cal-12-22.5/23.3	21-Feb-08	RHMA (GAP GRADED)	390137	20.20.201.310		670	1,822
67	10-0M3704	10-Cal,Ama-4,104-24.0/28.0;0.0/R4.3	31-Jan-08	RAC (TYPE G)	390126	20.80.010.010	10,400		25,688
68	10-0m4304	10-Tuo-49-12.6/16.5	16-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	5,500		13,585
69	10-0m8404	10-Alp-207-0.0/2.2	22-Apr-08	RHMA (GAP GRADED)	390137	20.20.201.120		3,930	10,690
70	10-0n0104	10-SJ-5-0.3/R13.8	24-Mar-08	RHMA (GAP GRADED)	390140	20.80.010.122	17,500		43,225
71	10-0N5804	10-SJ-580-9.0/15.3	11-Feb-08	RAC (TYPE G)	390126	20.80.010.010	10,400		25,688
72	10-0n5904	10-Cal-12-10.2/18.2	8-Apr-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,250		17,908
73	10-0s2804	10-SJ-5-R13.8/25.4	9-May-08	RHMA (GAP GRADED)	390140	20.80.010.010	19,500		48,165
74	10-0s4204	10-SJ-4-25.0/29.5	12-Jun-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,050		17,414
75	11-261204	11-SD-67-R18.5/24.4	21-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	8,230		20,328
76	11-276614	11-Imp-111-R4.7/T8.2	12-May-08	RHMA (OPEN GRADED)	390138	20.80.010.122	8,200		20,254
77	11-277014	11-SD-78-0.0/3.3	14-May-08	RHMA (GAP GRADED)	390137	20.80.010.122	7,810		19,291
78	11-285104	11-SD-78-57.9/66.0	9-May-08	RHMA (GAP GRADED)	390137	20.80.010.010	7,030		17,364
79	11-287404	11-Imp-115-21.2/35.2	14-Feb-08	A-R Binder	370120	20.80.010.010	710		23,622
80	12-0C6404	12-Ora-5-42.8/43.6	13-Mar-08	RAC (TYPE G)	390126	20.20.075.600/20.20.400		750	2,040
81	12-0F8204	12-Ora-5-13.8	19-Mar-08	RAC (TYPE G)	390126	201.31	890		2,198
82	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
83	12-0h1804	12-Ora-1-18.5/19.8	22-Jan-08	RAC (TYPE G)	390126	20.80.010.122	4,300		10,621
84	12-0h2194	12-Ora-261-0.0/6.3	18-Apr-08	RAC (TYPE G)	390126	20.80.010.122	30,300		74,841
85	12-0h3404	12-Ora-55-11.6/17.6	11-Apr-08	RAC (TYPE O)	390127	20.80.010.122	40,600		100,282
86	12-0H3604	12-Ora-241-14.4/17.5	5-Mar-08	RAC (TYPE O)	390127	20.80.010.122	7,500		18,525
87	12-0J4604	12-Ora-55-0.0/0.5	21-Feb-08	RAC (TYPE G)	390126	20.80.010.010	1,340		3,310
					Total 2008 through 2 quarters		**821,790**	**215,190**	**2,615,138**



*Projected year end values based on information through second quarters.

Appendix 2



RHMA percentage determined by comparing RHMA to all flexible pavements, by weight.
*Projected year end total, based on data through second quarter.

Appendix 3