

**CITY OF LEAWOOD**

**PUBLIC WORKS DEPARTMENT**

**STREET DIVISION**

**2009 ANNUAL YEAR END REPORT**

# STREET DIVISION YEAR END REPORT

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# **CREW SUMMARIES**

## CONCRETE CREW

The Concrete Crew is responsible for the repair and maintenance of all City owned curbing, sidewalks, stone walls, traffic islands, and other concrete structures located within the City right of way. Leaf vac operation in the fall is also performed by this crew.

In 2009 the concrete crew consisted of the following personnel.

\*\* indicates employee is no longer employed by the City of Leawood.

Crewleader	Trevor Davis
Heavy Equipment Operator	Frank Peoples
Maintenance Worker II	Phillip Wilson
Maintenance Worker I	Scott Sloan
Maintenance Worker I	Steven Wallace
Maintenance Worker I	Ralph Conner
Maintenance Worker I	George Ward**

The Concrete Crew completed the following tasks in 2009:

Replaced 8942 lineal feet of curb  
Replaced 78 lineal feet of sidewalk

6,755.25 Total Work Hours  
135.00 Total Work Hours

TOTAL CONCRETE USED

628.75 Cubic Yards

## ASPHALT CREW

The 2009 Asphalt Crew consisted of the following employees.

\*\* indicates employee who is no longer employed by the City of Leawood.

Crewleader	Paul Dunn
Heavy Equipment Operator	Gene Green
Maintenance Worker II	Josh Bechtold
Maintenance Worker II	Dave Creviston
Maintenance Worker I	Logan Stites
Maintenance Worker I	Jason Campbell**

The Street Repairs are divided into six categories:

1	<b>STREET RECONSTRUCTION</b>	88.37 Tons	125.00 Work Hours
	This repair method involves removing and rebuilding the sub-base, installing underdrains when necessary, and placing a new surface.		
2	<b>MILLING/RESURFACING</b>	1,714.47 Tons	3,785.25 Work Hours
	This repair method involves milling the failed surface to a depth of two to four inches and placing a new surface.		
3	<b>CURBFILL</b>	1,118.71 Tons	1,948.00 Work Hours
	Replacing the asphalt in front of new curbs that have been replaced by City crews. In some areas this requires minor milling to match the existing pavement.		
4	<b>POTHOLES</b>	29.22 Tons	444.00 Work Hours
	Filling Potholes.		
5	<b>PROJECTS</b>	168.29 Tons	233.00 Work Hours
	Includes work done on City property.		
6	<b>CRACKFILLING</b>	34,320.00 Pounds	1,390.50 Work Hours
	Sealing cracks in the street right of way to prevent moisture damage.		

## ASPHALT USE

Below is a description of how the asphalt was used in 2009:

Repair Type:	Tons
Asphalt Reconstruction	88.37
Milling Repair	1,714.47
Curbsfill	1,118.71
Potholes	29.22
Projects	168.29
Total	3,119.06

### Type of Asphalt Used:

Fine mix (BM-1)	1,047.76
Surface mix (BM-2)	2,071.30
Base mix (BM-2B)	0.00
Cold Patch	0.00
Total	3,119.06

### Type of street repair:

Arterial	85.20
Collector	464.11
Residential	2,425.30
City Facility	9.66
Park Trail	134.79
Total	3,119.06

## **ACTION REQUEST CREW**

Their primary duty is to respond to Action Requests, complete maintenance requests, perform other asphalt and concrete projects, core sampling asphalt surfaces, and paint striping.

In 2009 the Action Request Crew consisted of the following personnel.

\*\* indicates employee who is no longer employed by the City of Leawood.

Crewleader	Bill Porter
Heavy Equipment Operator	Ryan Hayes
Heavy Equipment Operator	Jack Corcoran
Maintenance Worker II	Damian Jones

### **SIDEWALK**

Total work hours for sidewalk	1,149.25 Work Hours
Total lineal feet of sidewalk done	715.00 Lineal Feet
Total concrete used	69.75 Cubic Yards

**PAINT STRIPING** 523.00 Work Hours

Pavement markings including center and edge markings, crosswalks, stop bars, and turning lanes.

**CORE DRILLING** 41.50 Work Hours

Prior to street reconstruction, a sample of the layers of pavement are taken to determine the strength and durability by drilling a 6 inch diameter sample of street pavement to a depth of 3-11 inches.

**RIGHT OF WAY** 216.00 Work Hours

This work includes sod replacement, guard rail replacement, storm sewers, sand blasting graffiti, brush removal, and any other activity in the City right of way. This total includes some work done by other crews.

**ASSISTING PUBLIC WORKS CREWS** 230.00 Work Hours

This includes assisting Sign and Fleet Maintenance crews. All other assistance will be included in the hours for the kind of work done.

**MISCELLANEOUS** 692.50 Work Hours

Includes hauling material to landfill and restocking dirt and rock supplies for Public Works projects. This includes some work done by other crews.

## SIGN DIVISION

The Sign Department is responsible for the installation and repair of all street and traffic signs within the City. This includes the placing and removal of the "Temporary No Parking" signs. The department also fabricates all of the City's street identification signs along with many of the City's "special" signs. The placement of traffic counters and the processing of traffic counter data are performed by the Sign Department.

In 2009, the Sign Department installed approximately seven hundred seventy-nine (779) signs. Many of these were replacements for signs that were faded, damaged or missing.

Our "Temporary No Parking" signs program received 868 requests in 2009. The program costs were as follows:

Materials (signs and stakes)	\$ 2,158.21
Regular Man Hours	28,990.39
Overtime Man Hours	40.76
Total cost for this program was	\$31,189.36

## SIGN DIVISION

ITEM	MUTCD	QUANTITY	COST
12' U-CHANNEL POSTS	NA	20	\$478.20
10' U-CHANNEL POSTS	NA	18	358.74
TELESPAR POSTS (10')	NA	124	3,851.95
TELESPAR POSTS (6')	NA	15	337.50
DELINEATOR POSTS	NA	5	41.25
		Total Post Cost	\$5,067.64
STOP SIGNS (30" x 30")	R1-1	111	\$4,754.13
YIELD SIGNS (36"x36"x36")	R1-2	4	67.36
SPEED LIMIT SIGNS	R2-1	14	484.39
DO NOT ENTER SIGNS	R5-1	2	33.26
KEEP RIGHT SIGNS	R4-7	4	64.00
NO TRUCKS SIGNS	R5-2	2	32.40
NO RIGHT TURN SIGN (24"x24")	R3-1	1	16.20
NO PARKING SIGNS (12" x 12")	R8-3a	12	58.08
NO PARKING OR STANDING SIGNS	NA	12	83.52
HANDICAP PARKING (12" x 18")	NA	5	41.75
RIGHT LANE MUST TURN RIGHT	R3-7R	1	16.63
VEHICLES IN BIKE LANES PROHIBITED	NA	1	20.00
ONE WAY SIGNS (36" x 12")	R6-1	2	15.96
ONE WAY SIGNS (18" x 24")	R6-2	4	51.20
RIGHT TURN ONLY SIGN	R3-5R	1	19.93
BIKE LANE ENDS SIGN (24" x 30")	NA	1	19.93
BIKE LANE AHEAD SIGN (24" x 30")	NA	1	19.93
TRUCKS PLATE	NA	1	3.66
CIRCULAR INTERSECTION SIGN	W2-6	1	20.00
LANE TRANSITION SIGN	W4-2	1	28.80
ADVANCE PEDESTRIAN SIGNS	W11-2	2	34.12
DOUBLE ARROW SIGN (24" x 24")	W12-1	1	16.00
NOT A THROUGH STREET (30" x 6")	NA	1	5.40
NO OUTLET SIGNS (30" x 30")	W14-2	5	100.00
DEAD END SIGNS	W14-1	3	56.17
OBJECT MARKERS	OM-1	18	309.24
HAZARD MARKER	OM-3	1	12.75
DELINEATORS (white)	OM2-2V	4	12.80
SCHOOL ADVANCE SIGN (engineer grade)	S1-1	1	20.00
SCHOOL ADVANCE SIGNS (fluorescent)	S1-1	2	134.00
ARROW PLATE - fluorescent	W16-7p	1	18.00
AHEAD PLATE - fluorescent	W16-9p	1	18.00

## SIGN DIVISION

END SCHOOL ZONE (24" x 18")	S5-2	1	12.00
WHEN FLASHING (sticker)	NA	1	6.00
NEIGHBORHOOD WATCH SIGNS	NA	6	101.70
ROAD WORK AHEAD (36" x 36")	W20-1	4	153.60
FLAGGER SIGNS	W20-7a	3	115.20
IMAGE CAMERA DEMO SIGN	NA	1	13.34
DANGER NO ICE SKATING SIGNS	NA	10	80.90
WATCH FOR ICE ON TRAIL	NA	6	40.14
NO CLIMBING ON WALL	NA	2	8.50
TEMPORARY HANDICAP PARKING	NA	50	86.00
ELECTION SIGNS (temporary)	NA	11	14.19
TRUCK NUMBERS (black)	NA	26	16.90
TRUCK NUMBERS (white)	NA	3	2.01
CITY OF LEAWOOD STICKERS (black)	NA	20	18.00
CITY OF LEAWOOD STICKERS (white)	NA	4	4.00
MOTORCYCLE NUMBERS	NA	3	3.00
MOTORCYCLE NAMES (black)	NA	2	1.30
FIRE SUPPRESSION... stickers	NA	20	13.00
DIESEL STICKERS (red)	NA	6	3.00
MIX STICKERS (black)	NA	8	3.20
REFLECTIVE STRIPS	NA	12	7.20
ORANGE STRIPS (36" x 4")	NA	18	11.70
32% CALCIUM CHLORIDE STICKER	NA	1	1.65
WHITE CIRCLES (3.5")	NA	10	1.70
TAG OUT NOZZLE STICKERS	NA	2	2.64
SPILL KIT STICKERS	NA	12	15.84
OIL DRY STICKERS	NA	2	3.20
STREET IDENTIFICATION PLATES	NA	241	4,266.16

Total Sign Cost	\$11,593.68
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TOTAL POST COST	\$5,067.64
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TOTAL SIGN COST	11,593.68
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BAND-IT	995.00
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HARDWARE	201.87
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TEMPORARY NO PARKING	2,158.21
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<b>YEAR END MATERIAL COST</b>	<b>\$20,016.40</b>
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## STORM WATER CREW

The Storm Water Crew is responsible to maintain the current storm water infrastructure consisting of storm boxes, the storm pipe network connection them, improved channels, and box culverts.

In 2009 the Storm Water Crew consisted of the following personnel.

Crewleader	Calvin Burgess
Heavy Equipment Operator	Dan Turner
Heavy Equipment Operator	Michael Galloway

Below is a summary of the hours spent by the Storm Water Crew this year:

PIPE MAINTENANCE	38.00 Segments	1,227.00 Total Work Hours
STRUCTURE REPAIR	44.00 Inlets 1.00 Junction Boxes 7.00 Segments	444.25 Total Work Hours
STRUCTURE INSPECTION	883.00 Inlets 179.00 Junction Boxes 571.00 Segments	497.00 Total Work Hours
TV	65,990.90 lineal feet	1,901.50 Total Work Hours

## STREET SWEEPING CREW

Sweeper Operator:

Heavy Equipment Operator      Brian Knudtson

The City owns and operates one 2005 Schwarze A7000 Regen Air Street Sweeper. One operator is assigned to the sweeper to insure increased productivity, consistent operators maintenance, and enhanced diagnostic and troubleshooting capabilities.

The production goal of the program is to sweep every public residential and collector street six times and arterial streets ten times per year.

The sweeping program eliminated approximately 1,537 tons of debris from flowing into the storm sewer system and streams this year.

Sweeping statistics for this year:

Total curb miles swept	3,182.00
Total hours sweeping	1,253.50
Average sweeping rate of 2.54 curb miles per hour.	

# **MAINTENANCE PROGRAMS**

**SNOW REMOVAL PROGRAM**

	DATE	BLADE CHANGES	REG HOURS	O.T. HOURS	SALT TONS	MIX TONS	CHLOR. GAL	SAND TONS	SNOW DEPTH	AVG. TEMP	PLOW? YES/NO	TOTAL COST
		\$361.00	\$18.00	\$27.00	\$48.02	\$18.25	\$1.19	\$7.50				
1	1/16/2009	0.00	149.50	74.00	227.17	0.00	1,200.00	0.00	2"	16	yes	\$15,869.29
2	1/23,24/09	0.00	0.00	70.00	118.59	0.00	500.00	0.00	1/2"	15	no	\$7,553.97
3	1/26,27/09	0.00	336.00	136.00	183.73	0.00	900.00	0.00	1/2"	15	no	\$18,852.09
4	2/28,3/1/09	0.00	0.00	304.50	113.02	0.00	500.00	0.00	4"	17	yes	\$13,767.23
5	3/28,29/09	2.00	0.00	516.50	234.84	0.00	0.00	0.00	4"	32	yes	\$25,703.83
6	12/7/2009	0.00	40.00	0.00	11.00	0.00	0.00	0.00	Drizzle	28	no	\$1,248.22
7	12/8,9/09	1.00	406.50	164.00	588.70	0.00	3,200.00	0.00	1.5"	15	yes	\$44,394.82
8	12/24-27/09	2.00	0.00	1,059.50	866.41	0.00	2,050.00	0.00	12"	22	yes	\$74,094.44
9	12/30/2009	1.00	192.00	79.50	440.70	0.00	1,000.00	0.00	2"	6	yes	\$28,508.40
<b>QUANTITIES:</b>		<b>6.00</b>	<b>1,124.00</b>	<b>2,404.00</b>	<b>2,784.16</b>	<b>0.00</b>	<b>9,350.00</b>	<b>0.00</b>				
<b>COST:</b>		<b>\$2,166.00</b>	<b>\$20,232.00</b>	<b>\$64,908.00</b>	<b>\$133,695.36</b>	<b>\$0.00</b>	<b>\$11,079.75</b>	<b>\$0.00</b>				<b>\$229,992.29</b>

## LEAF COLLECTION PROGRAM

Every fall the Public Works Department collects leaves from the curbs and storm drain inlets. This maintenance currently only occurs north of I-435 where the trees are mature and routinely cause maintenance problems.

The 2008-2009 program finished in February. The fall program started in December and is ongoing into 2010.

Total cubic yards of leaves collected in 2009	1,078.00
Total Hours Worked	589.50

## CRACKFILLING PROGRAM

The crackfilling program is designed to slow or stop the infiltration of water into the pavement and subbase by sealing cracks in the pavement with a rubberized material. Our program this year included sealing cracks in streets that have been rehabilitated in the last six years, arterial roads, and subdivisions scheduled for the slurry seal program.

### Subdivisions:

- Hills of Ironhorse
- Highlands Creek
- Steeple Chase
- Woods of Ironhorse
- Bridgewood
- 123rd Street Circle
- Leawood Estates

### Materials Used And Cost Of Program

<b>Materials</b>	<b>Quantities</b>	<b>Unit Cost</b>	<b>Total Cost</b>
Sealant -lbs	34,320.00	\$0.38	\$13,041.60
Regular Hours	1,390.50	\$15.00	\$20,857.50
O.T. Hours	19.00	\$22.50	\$427.50
	<b>TOTAL COST</b>		<b>\$34,326.60</b>

## **SLURRY SEAL PROGRAM**

The Slurry Seal program consisted of a total of 152,269 square yards of pavement. The work was performed by Musselman and Hall Contractors at a cost of \$1.76 per square yard. Jeff Peevler, Street Division Supervisor was the inspector for this program. The program started on July 6th and was completed on August 14th. The cost for the Slurry seal program was \$267,993.44.

### Sub-Divisions / Streets Slurred:

Steeple Chase  
Woods of Ironhorse  
Bridgewood  
123rd Street Circle

# **SUMMARY OF TASKS AND HOURS**

## DESCRIPTION OF WORK CATEGORIES

Tasks completed by the Street Division in 2009 have been divided into categories. Below is a description and hours spent at each category.

### SNOW REMOVAL / SNOW EQUIPMENT – 2,405.75 HOURS

This category covers all work pertaining to the snow removal program. This includes equipment preparation, snow removal, equipment cleanup and maintenance.

### RIGHT OF WAY / MISC. – 908.50 HOURS

Represents all work performed within the City right of way, i.e. (guard rail repair, brush cutting, trash pickup, traffic island maintenance, improving drainage ditches). Also included in this category are other tasks such as hauling debris to the landfill, hauling topsoil, and hauling aggregate.

### STREET MAINTENANCE – 6,405.75 HOURS

All repairs and Maintenance performed on City of Leawood streets. (Pothole repair, milling & resurfacing, sub-base repair, inspecting the slurry seal program). This does not include the crackfilling program.

### CURB MAINTENANCE – 6,755.25 HOURS

Repair and replacement of curbing, and driveway approaches.

### SIDEWALKS – 1,307.75 HOURS

Repair or replacement of asphalt and concrete sidewalks.

### SHOP / EQUIPMENT – 5,195.75 HOURS

Maintenance performed on the Public Works facility, department vehicles, and equipment.

### STRUCTURE / PIPE INSPECTION / MAINTENANCE – 4,921.75 HOURS

Inspection, reconstruction and maintenance, (including removing debris) of storm drainage structures.

### TRAINING / SEMINAR / ADMINISTRATION – 1,120.50 HOURS

Includes local seminars, non credit classes, safety meetings, vehicle, and equipment training.

## DESCRIPTION OF WORK CATEGORIES

CRACKFILLING PROGRAM – All hours related to the crackfilling program.	1,390.50 HOURS
SWEEPER – Includes sweeping and operators maintenance hours.	1,407.50 HOURS
SIGNS – Hours pertaining to the installation, maintenance and constructing street, traffic, and temporary no parking signs.	3,746.00 HOURS
PAINT STRIPING – Hours spent painting street markings and crosswalks in the City right of way	523.00 HOURS
FLEET HELP – Hours spent assisting fleet maintenance crews.	0.00 HOURS
LEAF – VAC PROGRAM – Hours spent collecting leaves from curbs and storm drain inlets.	589.50 HOURS
CITY FACILITIES – Hours spent performing miscellaneous duties at City Hall, Public Works Facility, and all other City owned facilities.	377.50 HOURS
SUPERVISOR – This category accounts for the supervisory hours for the year.	1,824.75 HOURS

## SUMMARY OF TASK HOURS

2009

This summary shows the hours spent on each task in the Street Department

Task	Jan	Feb	Mar	Apr	May	Jun	Jul
Administration	42.50	77.50	63.50	62.00	29.00	10.75	25.50
Asphalt Curbfill	0.00	0.00	97.50	237.00	287.00	278.00	286.50
Asphalt Milling Repair	0.00	73.00	261.50	457.25	449.00	440.00	451.00
Asphalt Park Trail	0.00	0.00	15.00	0.00	0.00	0.00	0.00
Asphalt Projects	0.00	0.00	0.00	0.00	20.00	0.00	17.50
Asphalt Sidewalk	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Reconstruction	0.00	0.00	51.00	27.00	0.00	47.00	0.00
Concrete Curb Replacement	16.00	255.25	480.00	591.00	725.75	936.25	835.00
Concrete Flatwork	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Pavement Patch	0.00	0.00	0.00	0.00	56.00	0.00	6.00
Concrete Pavement Recon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Sidewalk	0.00	40.50	24.00	151.50	149.50	187.00	23.50
Coredrilling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crackfilling	383.50	485.50	224.00	0.00	0.00	0.00	0.00
Fleet Department Help	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Joint Sealing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leaf Vac	175.00	36.50	0.00	0.00	0.00	0.00	0.00
Miscellaneous	63.50	76.50	16.00	98.00	62.00	64.50	76.50
Paint Striping	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pipe Inspection	24.00	49.50	26.00	11.00	12.00	17.50	9.00
Pipe Maintenance	501.00	302.50	101.00	54.00	70.50	63.00	39.00
Pipe Repair	0.00	72.00	0.00	0.00	64.00	0.00	12.00
Potholes	81.00	60.50	104.00	27.00	16.00	7.00	68.50
Project	0.00	0.00	0.00	115.50	0.00	1.00	0.00
Right of Way	0.00	2.00	28.50	45.00	30.00	36.50	20.00
Shop/Equipment	266.00	571.00	460.75	573.75	223.50	470.00	471.50
Sign Department	309.00	311.00	332.50	316.25	294.25	294.25	252.50
Sign Department Help	8.00	0.00	0.00	0.00	29.50	12.50	104.00
Snow Equipment	316.50	163.25	309.00	7.00	0.00	0.00	0.00
Snow Removal	379.50	0.00	67.50	0.00	0.00	0.00	0.00
Structure Inspection	133.50	47.00	48.00	54.00	23.00	14.00	11.50
Structure Maintenance	0.00	28.00	93.50	72.00	9.00	30.00	84.00
Structure Repair	0.00	0.00	92.50	73.75	60.50	70.00	87.50
Supervisor	145.50	146.00	151.00	123.75	156.00	173.50	162.50
Sweeper	120.75	97.00	107.00	137.50	113.50	156.50	134.25
Sweeper Maintenance	5.50	8.50	11.00	17.50	12.50	17.00	21.50
Training-Seminar	67.00	0.00	122.50	93.50	69.50	4.00	0.00
TV Inspection	73.00	138.50	72.00	117.00	192.50	156.50	170.00

## SUMMARY OF TASK HOURS

2009

This summary shows the hours spent on each task in the Street Department

Task	Aug	Sep	Oct	Nov	Dec	TOTALS
Administration	21.00	20.00	39.25	16.00	38.50	445.50
Asphalt Curbfill	79.00	233.00	193.50	184.00	72.50	1,948.00
Asphalt Milling Repair	559.00	310.00	468.00	286.50	30.00	3,785.25
Asphalt Park Trail	0.00	33.00	2.00	127.50	0.00	177.50
Asphalt Projects	0.00	0.00	0.00	0.00	0.00	37.50
Asphalt Sidewalk	18.00	0.00	0.00	0.00	0.00	18.00
Asphalt Reconstruction	0.00	0.00	0.00	0.00	0.00	125.00
Concrete Curb Replacement	665.00	758.75	686.50	697.75	108.00	6,755.25
Concrete Flatwork	0.00	27.00	0.00	0.00	0.00	27.00
Concrete Pavement Patch	0.00	0.00	0.00	0.00	0.00	62.00
Concrete Pavement Recon	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Sidewalk	117.00	305.00	94.50	181.75	33.50	1,307.75
Coredrilling	0.00	17.50	0.00	0.00	24.00	41.50
Crackfilling	40.00	0.00	0.00	0.00	257.50	1,390.50
Fleet Department Help	0.00	0.00	0.00	0.00	0.00	0.00
Joint Sealing	0.00	0.00	0.00	0.00	0.00	0.00
Leaf Vac	0.00	0.00	0.00	0.00	378.00	589.50
Miscellaneous	44.50	54.50	59.50	69.00	8.00	692.50
Paint Striping	251.00	164.50	65.00	42.50	0.00	523.00
Pipe Inspection	12.00	9.00	19.00	35.50	3.00	227.50
Pipe Maintenance	47.50	0.00	20.00	28.50	0.00	1,227.00
Pipe Repair	0.00	0.00	15.00	5.00	0.00	168.00
Potholes	16.00	11.00	21.00	0.00	32.00	444.00
Project	0.00	0.00	0.00	1.00	0.00	117.50
Right of Way	24.00	1.50	22.00	6.50	0.00	216.00
Shop/Equipment	390.00	174.00	589.50	336.25	669.50	5,195.75
Sign Department	319.50	277.50	294.50	237.75	277.00	3,516.00
Sign Department Help	36.00	24.00	0.00	0.00	16.00	230.00
Snow Equipment	0.00	0.00	0.00	178.00	345.00	1,318.75
Snow Removal	0.00	0.00	0.00	0.00	640.00	1,087.00
Structure Inspection	18.50	6.00	95.50	0.00	46.00	497.00
Structure Maintenance	42.00	14.00	10.00	71.00	3.00	456.50
Structure Repair	18.00	9.00	33.00	0.00	0.00	444.25
Supervisor	165.50	142.00	167.50	125.00	166.50	1,824.75
Sweeper	0.00	105.00	124.00	114.00	44.00	1,253.50
Sweeper Maintenance	16.50	12.00	18.50	7.00	6.50	154.00
Training-Seminar	32.50	24.00	170.50	91.50	0.00	675.00
TV Inspection	254.50	291.50	122.50	139.00	174.50	1,901.50

YEAR      38,879.75

**BREAKDOWN OF WORK HOURS  
STREET DIVISION**

TASKS	HOURS
Snow Removal / Equipment	2,405.75
Right of Way / Miscellaneous	908.50
Street Maintenance	6,405.75
Curb Maintenance	6,755.25
Sidewalks	1,307.75
Shop /Equipment	5,195.75
Structure / Pipe Inspection / Maintenance	4,921.75
Training / Seminar / Administration	1,120.50
Crackfill Program	1,390.50
Sweeper	1,407.50
Signs	3,746.00
Paint Striping	523.00
Fleet Help	0.00
Leaf Vac Program	589.50
City Facilities	377.50
Supervisor	1,824.75
Total Hours Worked	38,879.75

## OVERTIME SUMMARY

This summary describes how overtime hours were used in the Street Division in 2009.

CATEGORY	HOURS
Administration	26.00
Asphalt Curbfill	0.00
Asphalt Milling Repair	0.00
Asphalt Park Trail	5.25
Asphalt Projects	0.00
Asphalt Sidewalk	0.00
Asphalt Reconstruction	0.75
Concrete Curb Replacement	33.00
Concrete Flatwork	0.00
Concrete Pavement Patch	0.00
Concrete Pavement Recon	0.00
Concrete Sidewalk	0.00
Coredrilling	0.00
Crackfilling	19.00
Fleet Department Help	0.00
Joint Sealing	0.00
Leaf Vac	0.00
Miscellaneous	0.00
Paint Striping	0.00
Pipe Inspection	0.00
Pipe Maintenance	0.00
Pipe Repair	10.50
Potholes	0.00
Project	0.00
Right of Way	13.00
Shop/Equipment	26.25
Sign Department	3.00
Sign Department Help	1.00
Snow Equipment	0.00
Snow Removal	1,891.75
Structure Inspection	0.00
Structure Maintenance	0.00
Structure Repair	0.00
Supervisor	0.00
Sweeper	0.00
Sweeper Maintenance	0.00
Training-Seminar	16.25
TV Inspection	3.25

## YEAR END COMPARISONS

This summary compares work quantities in the Street Department

<b>CONCRETE</b>	<b>UNIT</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Curb Replacement	Ln Ft	4,429.00	7,473.00	2,442.00	6,088.00	6,185.00	6,584.00	8,942.00
Sidewalks	Ln Ft	1,105.50	808.00	3,062.00	3,150.00	1,507.00	1565	793.00
Storm Drains	Each	12.00	4.00	0.00	0.00	1.00	17.00	44.00
<b>ASPHALT</b>								
Pothole Repair	Tons	39.01	55.51	75.89	47.13	64.02	36.79	29.22
Milling Repair	Tons	789.26	905.99	972.27	1,069.26	1,183.29	1,340.41	1,714.47
Curbfill	Tons	630.12	963.05	226.04	814.79	866.18	860.59	1,118.71
Rehabilitation	Tons	349.77	428.39	198.00	495.28	142.69	268.69	88.37
Projects	Tons	286.63	37.95	375.95	135.85	122.73	371.03	168.29
<b>Total Asphalt Used</b>		2,094.79	2,390.89	1,848.15	2,562.31	2,378.91	2,877.51	3,119.06
Street Sweeping	Curbmiles	2,873.00	2,529.00	3,414.00	3,625.00	3,057.00	3,062.50	3,182.00
Leaf Pickup	Cubic Yd	621.00	1,278.75	3,369.75	2,622.00	1,074.00	756.00	1,078.00
Crackfill Sealant	Pounds	18,825.00	32,920.00	29,675.00	37,850.00	28,575.00	25,535.00	34,320.00
<b>STORMWATER</b>								
Storm Sewer TV'd	Ln Ft	103,465.00	70,388.00	132,047.00	99,396.00	31,617.00	33,805.00	65,990.90