

**CITY OF LEAWOOD**  
**PUBLIC WORKS DEPARTMENT**  
**STREET DIVISION**  
**2012 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 2012 the concrete crew consisted of the following personnel.

\*\* indicates employee is no longer employed by the City of Leawood or is now in a different division.

Crewleader II	Trevor Davis
Maintenance Worker I	Christopher Vaughan
Maintenance Worker I	Ian Paulsen
Maintenance Worker I	William Denzer
Maintenance Worker I	Ronald Harper
Maintenance Worker I	David Young
Maintenance Worker I	Steve Wallace**
Maintenance Worker I	Robert Gunn**
Maintenance Worker I	Gino Diaz**

The Concrete Crew completed the following tasks in 2012:

Replaced 6,599 lineal feet of curb	5,136.50 Total Work Hours
Replaced 1,735 lineal feet of sidewalk	1,732.50 Total Work Hours

TOTAL CONCRETE USED	527.25 Cubic Yards
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## ASPHALT CREW

The 2012 Asphalt Crew consisted of the following employees.

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

Crewleader I	Paul Dunn
Maintenance Worker II	David Creviston
Maintenance Worker II	Logan Stites
Maintenance Worker I	Scott Sloan
Maintenance Worker I	Bret Barnett
Heavy Equipment Operator	Gene Green**
Maintenance Worker II	Josh Bechtold**

The Street Repairs are divided into six categories:

- |   |  |               |                     |
|---|--|---------------|---------------------|
| 1 | STREET RECONSTRUCTION  | 0.00 Tons     | 0.00 Work Hours     |
|   | This repair method involves removing and rebuilding the sub-base, installing underdrains when necessary, and placing a new surface.                          |               |                     |
| 2 | MILLING/RESURFACING  | 1,358.89 Tons | 3,063.75 Work Hours |
|   | This repair method involves milling the failed surface to a depth of two to four inches and placing a new surface.   |               |                     |
| 3 | CURBFILL   | 846.51 Tons   | 1,703.50 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|   | Replacing the asphalt in front of new curbs that have been replaced by City crews.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 | POTHoles   | 22.88 Tons    | 364.25 Work Hours   |
|   | Filling Potholes.  |               |                     |
| 5 | PROJECTS   | 107.09 Tons   | 204.00 Work Hours   |
|   | Includes work done on City property.   |               |                     |
| 6 | CRACKFILLING   | 150.00 Pounds | 2,562.00 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 2012:

Repair Type:	Tons
Asphalt Reconstruction	0.00
Milling Repair	1,358.89
Curbfill	846.51
Potholes	22.88
Projects	107.09
Total	2,335.37

### Type of Asphalt Used:

Fine mix (BM-1)	842.26
Surface mix (BM-2)	1,033.20
APWA Type III	459.91
Base mix (BM-2B)	0.00
Cold Patch	0.00
Total	2,335.37

### Type of street repair:

Arterial	25.05
Collector	166.88
Residential	2,022.13
City Facility	121.31
Park Trail	0.00
Total	2,335.37

## 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 2012 the Action Request Crew consisted of the following personnel.

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

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

### SIDEWALK

Total work hours for sidewalk	2,449.25 Work Hours
Total lineal feet of sidewalk done	2,466.00 Lineal Feet
Total concrete used	151.00 Cubic Yards

PAINT STRIPING 605.00 Work Hours

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

CORE DRILLING 15.00 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 275.00 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 349.00 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 606.25 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 2012, the Sign Department installed approximately one thousand six hundred forty-four (1,644) signs. Most of these were a part of our Retroreflectivity Program – an effort to upgrade our signs to MUTCD standards. Some of these were replacements for signs that were vandalized, damaged or missing.

Our "Temporary No Parking" signs program received 993 requests in 2012. The program costs were as follows:

Materials (signs and stakes)	\$ 1,736.33
Regular Man Hours	37,543.92
Overtime Man Hours	215.03
Total cost for this program was	\$39,495.28

## SIGN DIVISION

ITEM	MUTCD	QUANTITY	COST
TELESPAR POSTS (10')	NA	353	\$9,019.15
TELESPAR POSTS (6')	NA	20	394.00
TELESPAR POSTS (11')	NA	149	4328.45
TELESPAR POSTS (12')	NA	24	736.80
		Total Post Cost	\$14,478.40
STOP SIGNS (30" x 30")	R1-1	10	\$364.40
STOP SIGNS (36" x 36")	R1-1	1	55.00
SPEED LIMIT SIGNS (24" x 30")	R2-1	329	10131.91
SPEED LIMIT SIGNS (30" x 36")	R2-1	39	1849.77
REDUCED SPEED 25 (24" x 30")	NA	1	30.88
SPEED ZONE AHEAD SIGNS	NA	2	61.76
NO LEFT TURN SIGNS	R3-2	2	48.76
NO RIGHT TURN SIGNS	R3-2	2	52.00
TRUCKS PLATES (24" x 6")	NA	2	15.46
NO U-TURN SIGNS	R3-4	10	252.70
LEFT LANE MUST TURN LEFT SIGNS 30"	R3-7L	63	2270.34
LEFT LANE MUST TURN LEFT SIGNS 36"	R3-7L	12	642.72
RIGHT LANE MUST TURN RIGHT SIGNS 30"	R3-7R	17	620.72
RIGHT LANE MUST TURN RIGHT SIGNS 36"	R3-7R	23	1231.88
DOUBLE LEFT TURN ONLY	R3-8c	5	193.88
CENTER LANE USAGE (24" X 36")	R3-9b	1	39.00
END PLATE (24" x 6")	R3-9dP	1	8.75
NO LEFT TURN OR STRAIGHT THROUGH	R3-18A	1	8.52
KEEP RIGHT SIGNS	R4-7	57	1655.73
DO NOT ENTER SIGNS (30")	R5-1	25	914.50
DO NOT ENTER SIGNS (36")	R5-1	7	374.92
NO TRUCKS SIGNS	R5-2	29	707.02
ONE WAY SIGNS (36" x 12")	R6-1	56	1010.80
ONE WAY SIGNS (18" x 24")	R6-2	6	133.80
NO PARKING ANYTIME (with double arrow)	R7-1	1	11.75
ONE HOUR PARKING SIGNS	R7-5	4	47.00
HANDICAP PARKING (12"x18")	R7-8	37	388.50
VAN ACCESSIBLE PLATES (12"x6")	R7-8P	4	17.68
HANDICAP PARKING (12"x12")	NA	1	7.77

## SIGN DIVISION

NO PARKING HERE TO CORNER(with arrow)	R7-12	3	34.65
NO PARKING HERE TO CORNER	R7-12	6	70.50
NO PARKING SIGNS (24" x 24")	R8-3a	270	6822.90
DOUBLE ARROW (24" x 6" VIP red on white)	NA	15	75.75
NO PARKING OR STANDING BEGIN	NA	1	11.75
NO PARKING OR STANDING END	NA	1	11.75
NO PARKING BETWEEN SIGNS (18" x 24")	NA	2	39.00
NO STOPPING OR STANDING SIGNS	NA	5	58.75
NO PARKING ON GRASS SIGNS	NA	2	23.50
NO PARKING HERE TO GATE SIGNS	NA	2	23.50
NO PASSENGER LOADING OR UNLOADING	NA	6	87.90
NO PARKING SCHOOL DAYS SIGN	NA	1	11.75
PARKING REGULATIONS ENFORCED	NA	2	65.00
ATTENTION FIRE LANE	NA	1	67.93
STOP HERE ON RED SIGNS	R10-6	2	91.92
DO NOT BLOCK INTERSECTION	R10-7	1	30.88
LEFT TURN SIGNAL SIGN	R10-10	1	32.50
NO TURN ON RED (24" x 30")	R10-11	3	92.64
VEHICLES IN BIKE LANES PROHIBITED	NA	1	30.88
EXIT ONLY / DO NOT ENTER SIGNS	NA	2	82.00
PEDESTRIANS & EMERGENCY VEHICLES	NA	2	75.06
ATTENTION PEDESTRIANS (36" x 36")	NA	1	58.00
NO ENGINE BRAKING SIGNS	NA	2	59.16
NO DUMPING SIGN	NA	1	11.75
NO THROUGH TRUCKS SIGNS	NA	3	88.74
NO CLIMBING ON WALL SIGNS	NA	2	15.32
DELIVERIES USE 123rd ST OR 112nd ST	NA	1	22.62
NO ACCESS TO NALL AVENUE SIGNS	NA	2	50.54
ACCESS TO LEAWOOD CITY PARK	NA	1	32.50
LEAWOOD CITY PARK SIGNS	NA	2	39.00
IRONHORSE GOLF CLUB SIGNS	NA	2	39.00
CAUTION BEWARE GOLF BALLS SIGNS	NA	4	47.00
RIGHT TURN SIGN	W1-1	1	41.00
REVERSE CURVE SIGNS	W1-4	2	82.00
CROSS TRAFFIC DOES NOT STOP	W4-4P	2	44.58
RAILROAD CROSSING SIGN	W10-1	1	38.32
NO TRAIN HORN SIGN	W10-9P	1	22.50
ADVANCE PEDESTRIAN (24 x 24)	W11-2	1	25.00
ADVANCE PEDESTRIAN (30x30 fluorescent)	W11-2	43	1683.45
EMERGENCY VEHICLE (fire station) SIGNS	W11-8	2	73.16
NO OUTLET SIGNS (30" x 30")	W14-2	32	1170.56

## SIGN DIVISION

NO OUTLET (30" x 9" one sided flat)	W14-2P	2	30.00
NO OUTLET (30" x 9" two sided extruded)	W14-2P	2	48.00
DOWN ARROW PLATES (fluorescent)	W16-7P	21	267.54
AHEAD PLATES (fluorescent yellow green)	W16-9P	22	280.28
GOOSE CROSSING (symbol)	NA	1	41.00
GOOSE CROSSING (plate)	NA	1	22.29
NOT A THROUGH STREET (30" x 30")	NA	75	2743.50
NOT A THROUGH STREET (36" x 6")	NA	1	11.60
NOT A THROUGH STREET 36"x9" one sided	NA	2	36.00
NOT A THROUGH STREET 30"x9" one sided	NA	4	60.00
NOT A THROUGH STREET 30"x9" two sided	NA	1	24.00
STREET ENDS 400 FEET SIGN	NA	1	15.00
IRONWOODS PARK PLATES	NA	2	23.20
SLOW SIGNS (30" x 30")	NA	2	82.00
SLOW PLATES (30" x 9")	NA	2	29.72
OBJECT MARKERS	OM1-3	136	1646.54
END OF ROADWAY MARKERS	OM4-3	5	50.35
SCHOOL TIMES SIGNS (24" x 18")	S4-1	15	334.35
END SCHOOL ZONE (24" x 30")	S5-2	11	339.68
SCHOOL ENTRANCE (black on yellow)	NA	2	82.00
HOSPITAL ("H" - blue and white 30" x 30")	D9-2	1	46.91
LEFT TURN PLATE (blue and white 24" x 18")	M5-1	1	22.62
PAWNEE TO REMAIN OPEN....	NA	1	23.00
BIKE TRAIL DETOUR signs (24" x 18")	M4-9A	6	83.34
BIKE TRAIL signs (18" x 12")	NA	10	115.50
BIKE TRAIL signs (24" x 18")	NA	2	45.24
OXFORD SCHOOLHOUSE (24" x 18")	NA	2	45.24
OXFORD SCHOOLHOUSE (24" x 24")	NA	1	30.02
PRIVATE STREET SIGNS	NA	4	31.08
ELECTION SIGNS (single sided)	NA	2	39.00
ELECTION SIGNS (double sided)	NA	2	60.00
WATER STOP SIGNS (cardboard)	NA	6	10.68
TRUCK NUMBERS (black)	NA	24	15.60
CITY OF LEAWOOD STICKERS (black)	NA	6	5.40
POLICE CAR NUMBERS (gold)	NA	12	4.20
CAUTION POLICE DOG stickers	NA	4	11.60
WHITE CIRCLES (3.5")	NA	20	4.00
STREET IDENTIFICATION PLATES	NA	44	836.45

Total Sign Cost \$42,229.56

SIGN DIVISION

TOTAL POST COST	\$14,478.40
TOTAL SIGN COST	\$42,229.56
HARDWARE	\$1,083.00
BAND-IT SUPPLIES	\$1,619.00
INVENTORY STICKERS	\$809.00
TRAFFIC COUNTER SUPPLIES	\$927.25
TEMPORARY NO PARKING	\$1,736.33
<b>YEAR END MATERIAL COST</b>	<b>\$62,882.54</b>

## 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 2012 the Storm Water Crew consisted of the following personnel.

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

Crewleader	Calvin Burgess
Heavy Equipment Operator II	Frank Peoples
Maintenance Worker II	Phillip Wilson
Heavy Equipment Operator	Michael Galloway**

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

PIPE MAINTENANCE	33.00 Segments	517.50 Total Work Hours
STRUCTURE REPAIR	25.00 Inlets 5.00 Junction Boxes 5.00 Segments	216.00 Total Work Hours
STRUCTURE INSPECTION	785.00 Inlets 118.00 Junction Boxes 423.00 Segments	640.50 Total Work Hours
TV	51,958.10 lineal feet	1,604.25 Total Work Hours

## **STREET SWEEPING CREW**

Sweeper Operator:

Heavy Equipment Operator      Brian Knudtson

The City owns and operates one 2011 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 1,493 tons of debris from flowing into the storm sewer system and streams this year.

Sweeping statistics for this year:

Total curb miles swept	3,705.00
Total hours sweeping	1,372.00
Average sweeping rate of 2.70 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
1	1/12,13/2012	\$19.50	\$29.25	\$49.85	\$18.25	\$1.12	\$7.50				
2	2/13/2012	207.00	2.00	239.68	0.00	2,400.00	0.00	1/2"	23	no	\$18,731.05
3	12/20/2012	248.00	102.00	395.03	0.00	0.00	0.00	2"	30	yes	\$28,236.07
4	12/31/2012	208.00	51.50	353.65	0.00	0.00	0.00	2"	27	yes	\$23,228.05
		184.00	46.50	451.90	0.00	1,500.00	0.00	3"	25	yes	\$30,176.04

**QUANTITIES:**

**COST:**

1.00	847.00	202.00	1,440.26	0.00	3,900.00	0.00
\$585.74	\$16,516.50	\$5,908.50	\$71,796.96	\$0.00	\$4,368.00	\$0.00

**\$100,371.21**

## 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 2012 collection program started on November 6th and was completed on December 14th."

Total cubic yards of leaves collected in 2012	630.00
Total Hours Worked	673.00

## 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:

- Mark Lane
- Leawood Estates
- Pembroke Court
- Hunter's Ridge
- Leawood Estates
- Siena
- Mission Prairie
- Charlemagne Manor

### Materials Used And Cost Of Program

<b>Materials</b>	<b>Quantities</b>	<b>Unit Cost</b>	<b>Total Cost</b>
Sealant -lbs	67,263.00	\$0.49	\$32,958.87
Regular Hours	2,562.00	\$15.00	\$38,430.00
O.T. Hours	36.00	\$22.50	\$810.00
	<b>TOTAL COST</b>		<b>\$72,198.87</b>

## SLURRY SEAL PROGRAM

The Slurry Seal program consisted of a total of 185,427 square yards of pavement. The work was performed by Musselman and Hall Contractors at a cost of \$1.78 per square yard. Micro sealing was done for 53,060 square yards of pavement at a cost of \$2.78 per square yard. Jeff Peevler, Street Division Supervisor was the inspector for this program. The program started on June 11, 2012 and was completed on June 29, 2012. The cost for the Slurry seal program was \$496,846.60 which included replacing the street markings for the micro sealed streets.

### Sub-Divisions / Streets Slurried:

- Mark Lane
- Leawood Estates South of 103rd
- Pembroke Court
- Hunter's Ridge/Royce
- Leawood Estates 96th and north
- Sienna
- Mission Prairie
- Charlemagne Manor

### Streets Micro Sealed

- 133rd - State Line to west limit
- Briar
- Pawnee

## **SUMMARY OF TASKS AND HOURS**

## DESCRIPTION OF WORK CATEGORIES

Tasks completed by the Street Division in 2012 have been divided into categories. Below is a description and hours spent at each category.

**SNOW REMOVAL / SNOW EQUIPMENT – 1,407.50 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. – 881.25 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 – 5,151.50 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 – 5,136.50 HOURS**

Repair and replacement of curbing, and driveway approaches.

**SIDEWALKS – 4,216.75 HOURS**

Repair or replacement of asphalt and concrete sidewalks.

**SHOP / EQUIPMENT – 3,929.75 HOURS**

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

**STRUCTURE / PIPE INSPECTION / MAINTENANCE – 3,999.75 HOURS**

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

**TRAINING / SEMINAR / ADMINISTRATION – 1,566.50 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.	2,562.00 HOURS
SWEEPER – Includes sweeping and operators maintenance hours.	1,501.75 HOURS
SIGNS – Hours pertaining to the installation, maintenance and constructing street, traffic, and temporary no parking signs.	3,903.00 HOURS
PAINT STRIPING – Hours spent painting street markings and crosswalks in the City right of way	605.00 HOURS
FLEET HELP – Hours spent assisting fleet maintenance crews.	11.00 HOURS
LEAF – VAC PROGRAM – Hours spent collecting leaves from curbs and storm drain inlets.	673.00 HOURS
CITY FACILITIES – Hours spent performing miscellaneous duties at City Hall, Public Works Facility, and all other City owned facilities.	383.50 HOURS
SUPERVISOR – This category accounts for the supervisory hours for the year.	1,951.50 HOURS

**SUMMARY OF TASK HOURS  
2012**

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

<b>Task</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
Administration	39.00	10.00	46.75	29.50	67.50	18.50	10.50
Asphalt Curbfill	55.50	0.00	0.00	147.00	331.50	265.50	162.50
Asphalt Milling Repair	14.00	0.00	192.50	557.00	265.50	276.00	289.00
Asphalt Park Trail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Projects	0.00	0.00	0.00	0.00	14.00	0.00	0.00
Asphalt Reconstruction	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Sidewalk	0.00	0.00	0.00	0.00	0.00	0.00	144.00
Concrete Curb Replacement	139.00	0.00	89.00	564.00	832.50	762.75	463.75
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	0.00	0.00	5.00
Concrete Pavement Recon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Sidewalk	541.25	541.00	866.50	479.50	362.00	107.00	120.00
Coredrilling	0.00	0.00	0.00	0.00	9.00	0.00	0.00
Crackfilling	583.50	686.00	275.00	0.00	169.50	197.00	0.00
Fleet Department Help	0.00	0.00	0.00	0.00	0.00	0.00	2.00
Joint Sealing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leaf Vac	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous	48.00	17.00	41.00	35.00	66.50	81.50	54.50
Paint Striping	0.00	0.00	0.00	0.00	0.00	270.50	193.00
Pipe Inspection	42.50	36.00	42.00	49.00	74.50	23.50	22.00
Pipe Maintenance	139.50	0.00	0.00	32.00	117.00	0.00	10.00
Pipe Repair	0.00	0.00	0.00	0.00	7.00	46.00	108.50
Potholes	55.00	111.50	63.00	32.00	0.00	19.00	13.75
Project	0.00	0.00	0.00	32.00	0.00	35.50	4.00
Right of Way	30.00	0.00	0.00	4.00	38.00	1.00	17.00
Shop/Equipment	354.25	633.00	482.25	208.50	198.00	243.00	348.00
Sign Department	316.25	306.00	317.00	312.50	316.00	298.00	317.00
Sign Department Help	8.00	24.00	39.50	21.00	22.50	24.00	139.50
Snow Equipment	109.00	205.50	31.50	0.00	0.00	0.00	0.00
Snow Removal	171.50	176.00	0.00	0.00	0.00	0.00	0.00
Structure Inspection	25.00	56.50	73.50	18.00	19.00	6.00	16.00
Structure Maintenance	0.00	23.00	98.00	21.00	57.00	37.00	21.00
Structure Repair	0.00	4.00	30.00	12.00	14.50	31.50	57.00
Supervisor	156.50	162.75	175.00	156.50	173.00	166.50	167.50
Sweeper	87.00	77.00	143.75	133.50	148.75	156.50	123.00
Sweeper Maintenance	5.50	17.50	12.25	17.00	11.00	11.50	14.00
Training-Seminar	0.00	1.00	197.75	60.50	63.50	6.00	91.50
TV Inspection	185.00	182.50	50.50	103.50	73.50	189.25	182.00

## SUMMARY OF TASK HOURS

2012

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

Task	Aug	Sep	Oct	Nov	Dec	TOTALS
Administration	15.00	16.25	9.50	14.50	39.00	316.00
Asphalt Curbfill	228.00	245.50	245.50	22.50	0.00	1,703.50
Asphalt Milling Repair	351.50	261.00	515.25	342.00	0.00	3,063.75
Asphalt Park Trail	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Projects	0.00	0.00	0.00	0.00	0.00	14.00
Asphalt Reconstruction	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Sidewalk	46.00	0.00	0.00	0.00	0.00	190.00
Concrete Curb Replacement	728.00	736.50	734.50	86.50	0.00	5,136.50
Concrete Flatwork	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Pavement Patch	0.00	0.00	0.00	0.00	0.00	5.00
Concrete Pavement Recon	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Sidewalk	314.50	334.00	310.00	232.00	9.00	4,216.75
Coredrilling	6.00	0.00	0.00	0.00	0.00	15.00
Crackfilling	0.00	0.00	0.00	200.00	451.00	2,562.00
Fleet Department Help	0.00	9.00	0.00	0.00	0.00	11.00
Joint Sealing	0.00	0.00	0.00	0.00	0.00	0.00
Leaf Vac	0.00	0.00	0.00	496.00	177.00	673.00
Miscellaneous	35.50	60.50	57.75	96.50	12.50	606.25
Paint Striping	128.00	0.00	13.50	0.00	0.00	605.00
Pipe Inspection	54.00	9.00	52.50	4.50	7.50	417.00
Pipe Maintenance	85.00	6.00	48.50	0.00	79.50	517.50
Pipe Repair	10.00	0.00	0.00	0.00	0.00	171.50
Potholes	22.00	0.00	16.00	16.00	16.00	364.25
Project	0.00	0.00	73.00	35.00	0.00	179.50
Right of Way	17.50	123.00	35.50	6.00	3.00	275.00
Shop/Equipment	321.00	176.50	227.00	286.25	452.00	3,929.75
Sign Department	347.00	212.75	360.00	248.00	214.50	3,565.00
Sign Department Help	19.50	0.00	4.50	11.50	24.00	338.00
Snow Equipment	0.00	0.00	0.00	0.00	418.00	764.00
Snow Removal	0.00	0.00	0.00	0.00	296.00	643.50
Structure Inspection	6.00	105.50	46.00	190.00	79.00	640.50
Structure Maintenance	6.00	41.00	64.00	12.50	52.50	433.00
Structure Repair	13.00	21.50	25.50	7.00	0.00	216.00
Supervisor	181.50	149.75	176.00	134.50	152.00	1,951.50
Sweeper	0.00	136.50	134.75	145.00	86.25	1,372.00
Sweeper Maintenance	6.50	11.00	4.00	11.50	8.00	129.75
Training-Seminar	51.50	78.50	262.25	133.50	304.50	1,250.50
TV Inspection	239.00	144.50	132.00	74.50	48.00	1,604.25
					YEAR	37,880.25

**BREAKDOWN OF WORK HOURS  
STREET DIVISION**

TASKS	HOURS
Snow Removal / Equipment	1,407.50
Right of Way / Miscellaneous	881.25
Street Maintenance	5,151.50
Curb Maintenance	5,136.50
Sidewalks	4,216.75
Shop /Equipment	3,929.75
Structure / Pipe Inspection / Maintenance	3,999.75
Training / Seminar / Administration	1,566.50
Crackfill Program	2,562.00
Sweeper	1,501.75
Signs	3,903.00
Paint Striping	605.00
Fleet Help	11.00
Leaf Vac Program	673.00
City Facilities	383.50
Supervisor	1,951.50
Total Hours Worked	37,880.25

## OVERTIME SUMMARY

This summary describes how overtime hours were used in the Street Division in 2012.

CATEGORY	HOURS
Administration	10.00
Asphalt Curbfill	3.00
Asphalt Milling Repair	2.25
Asphalt Park Trail	0.00
Asphalt Projects	0.00
Asphalt Reconstruction	0.50
Asphalt Sidewalk	3.00
Concrete Curb Replacement	11.00
Concrete Flatwork	0.00
Concrete Pavement Patch	0.00
Concrete Pavement Recon	0.00
Concrete Sidewalk	5.75
Coredrilling	0.00
Crackfilling	36.00
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	2.00
Pipe Repair	0.00
Potholes	0.00
Project	0.00
Right of Way	22.25
Shop/Equipment	2.00
Sign Department	2.75
Sign Department Help	0.00
Snow Equipment	0.00
Snow Removal	164.00
Structure Inspection	0.00
Structure Maintenance	5.25
Structure Repair	0.00
Supervisor	0.00
Sweeper	0.00
Sweeper Maintenance	0.00
Training-Seminar	2.50
TV Inspection	0.00
<b>TOTAL OVERTIME</b>	<b>272.25</b>

## YEAR END COMPARISONS

This summary compares work quantities in the Street Department

<b>CONCRETE</b>	<b>UNIT</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Curb Replacement	Ln Ft	6,088.00	6,185.00	6,584.00	8,942.00	7,816.00	7,765.00	6,599.00
Sidewalks	Ln Ft	3,150.00	1,507.00	1,565.00	793.00	1,392.00	1,110.00	4,201.00
Storm Drains	Each	0.00	1.00	17.00	44.00	22.00	32.00	25.00
<b>ASPHALT</b>								
Pothole Repair	Tons	47.13	64.02	36.79	29.22	49.09	42.69	22.88
Milling Repair	Tons	1,069.26	1,183.29	1,340.41	1,714.47	1,629.99	1,555.50	1,358.89
Curbfill	Tons	814.79	866.18	860.59	1,118.71	1,032.21	1,026.53	846.51
Rehabilitation	Tons	495.28	142.69	268.69	88.37	7.04	132.45	0.00
Projects	Tons	135.85	122.73	371.03	168.29	122.41	106.54	107.09
<b>Total Asphalt Used</b>		<b>2,562.31</b>	<b>2,378.91</b>	<b>2,877.51</b>	<b>3,119.06</b>	<b>2,840.74</b>	<b>2,863.71</b>	<b>2,335.37</b>
Street Sweeping	Curbmiles	3,625.00	3,057.00	3,062.50	3,182.00	2,675.00	2,734.00	3,705.00
Leaf Pickup	Cubic Yd	2,622.00	1,074.00	756.00	1,078.00	910.00	322.00	630.00
Crackfill Sealant	Pounds	37,850.00	28,575.00	25,535.00	34,320.00	21,600.00	21,600.00	67,263.00
<b>STORMWATER</b>								
Storm Sewer TV'd	Ln Ft	99,396.00	31,617.00	33,805.00	65,990.90	39,094.00	48,610.80	51,958.10