

CITY OF LEAWOOD
PUBLIC WORKS DEPARTMENT
STREET DIVISION
2013 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, 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 2013 the concrete crew consisted of the following personnel.
** indicates employee is no longer employed by the City of Leawood.

Crewleader II	Trevor Davis
Maintenance Worker I	Christopher Vaughan
Maintenance Worker I	William Denzer
Maintenance Worker I	Ronald Harper
Maintenance Worker I	David Young
Maintenance Worker I	Doug Bowers
Maintenance Worker I	Ian Paulsen**

The Concrete Crew completed the following tasks in 2013:

Replaced 3907 lineal feet of curb
Replaced 305 lineal feet of sidewalk

4,555.00 Total Work Hours
607.75 Total Work Hours

TOTAL CONCRETE USED

305.00 Cubic Yards

ASPHALT CREW

The 2013 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

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 | 1,470.86 Tons | 3,818.75 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 | 579.31 Tons | 1,417.50 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| | Replacing the asphalt in front of new curbs that have been replaced by City crews.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 | 21.76 Tons | 628.00 Work Hours |
| | Filling Potholes. | | |
| 5 | PROJECTS | 73.17 Tons | 125.50 Work Hours |
| | Includes work done on City property. | | |
| 6 | CRACKFILLING | 22,527.00 Pounds | 1,125.75 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 2013:

Repair Type:	Tons
Asphalt Reconstruction	0.00
Milling Repair	1,470.86
Curbfill	579.31
Potholes	21.76
Projects	73.17
Total	2,145.10

Type of Asphalt Used:

Fine mix (BM-1)	669.66
Surface mix (BM-2)	1,030.14
APWA Type III	437.76
Base mix (BM-2B)	0.00
Cold Patch	7.54
Total	2,145.10

Type of street repair:

Arterial	11.50
Collector	14.00
Residential	2,099.43
City Facility	20.17
Park Trail	0.00
Total	2,145.10

ACTION REQUEST CREW

Their primary duty is to respond to Action Requests, complete maintenance requests, replace sidewalks, perform other asphalt and concrete projects, core sampling asphalt pavement, and pavement markings.

In 2013 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	989.75 Work Hours
Total lineal feet of sidewalk done	960.00 Lineal Feet
Total concrete used	166.50 Cubic Yards

PAINT STRIPING

395.75 Work Hours

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

CORE DRILLING

45.00 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

984.00 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

569.00 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

555.50 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 2013, the Sign Department installed approximately two thousand one hundred thirty (2,130) 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 899 requests in 2013. The program costs were as follows:

Materials (signs and stakes)	\$ 3,075.29
Regular Man Hours	36,722.56
Overtime Man Hours	258.72

Total cost for this program was	\$40,056.57
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SIGN DIVISION

ITEM	MUTCD	QUANTITY	COST
TELESPAR POSTS (10')	NA	422	\$10,782.10
TELESPAR POSTS (6')	NA	15	295.50
TELESPAR POSTS (11')	NA	85	2469.25
TELESPAR POSTS (12')	NA	13	399.10
		Total Post Cost	\$13,945.95
STOP SIGNS (30" x 30")	R1-1	7	\$255.08
STOP SIGNS (36" x 36")	R1-1	2	110.00
YIELD SIGNS (36"x36"x36")	R1-2	2	51.34
SPEED LIMIT SIGNS (24" x 30")	R2-1	22	679.36
SPEED LIMIT SIGNS (30" x 36")	R2-1	2	94.86
NO LEFT TURN SIGNS	R3-2	11	286.00
TIME PLATE (for No Left Turn)	NA	1	8.00
NO U-TURN	R3-4	8	208.00
RIGHT TURN ONLY (30" x 36")	R3-5R	8	390.00
RIGHT TURN ONLY (24" x 30")	R3-5R	1	32.50
RIGHT LANE MUST TURN RIGHT SIGNS	R3-7	1	36.58
ADVANCE INTERSECTION LANE CONTROL	R3-8	9	417.00
TWO WAY LEFT TURN ONLY	R3-9b	12	468.00
KEEP RIGHT SIGN (VIP)	R4-7	3	89.25
DO NOT ENTER SIGNS	R5-1	2	60.00
ONE WAY SIGNS (36" x 12")	R6-1	5	80.50
NO PARKING SIGN (24" x 24") VIP	R8-3	18	454.86
NO OVERNIGHT PARKING SIGN (12" x 18")	NA	1	12.00
NO PEDESTRIANS SIGNS	R9-3	18	263.70
STOP HERE ON RED SIGN	R10-6	3	117.00
DO NOT BLOCK INTERSECTION SIGNS	R10-7	3	97.50
NO TURN ON RED	R10-11	1	32.50
NO PARKING OR STANDING (12" x 18")	NA	12	141.00
HANDICAP PARKING (12"x12")	NA	1	7.77
CITY VAN PARKING signs (18" x 12")	NA	2	23.50
ROAD CLOSED (48" x 24")	R11-2	5	295.00
ROAD CLOSED TO THROUGH TRAFFIC	R11-4	3	177.00
WEIGHT LIMIT SIGNS	R12-1	2	65.00
STOP FOR CHILDREN IN CROSSWALK	NA	2	39.00
STOP FOR PEDS IN CROSSWALK 18 x 24	NA	2	39.00
STOP FOR PEDS IN CROSSWALK 24 x 30	NA	6	195.00
RIGHT TURN SIGNS	W1-1R	3	123.00

SIGN DIVISION

LEFT TURN SIGNS	W1-1L	1	41.00
RIGHT CURVE SIGNS	W1-2R	5	205.00
LEFT CURVE SIGNS	W1-2L	8	328.00
REVERSE CURVE RIGHT	W1-4R	4	164.00
REVERSE CURVE LEFT	W1-4L	4	164.00
TWO DIRECTION LARGE ARROW SIGN	W1-7	2	104.00
CHEVRON SIGNS	W1-8	4	78.00
CROSS ROADS SIGNS	W2-1	12	492.00
SIDE ROAD SIGN	W2-2	6	246.00
T-INTERSECTION SIGN	W2-4	1	41.00
ROUNDAABOUT SIGNS	W2-6	8	328.00
STOP AHEAD SIGNS	W3-1	7	308.00
SIGNAL AHEAD SIGNS (30" x 30")	W3-3	4	176.00
SIGNAL AHEAD SIGNS (36" x 36")	W3-3	1	60.00
REDUCED SPEED LIMIT AHEAD (36" x 36")	W3-5	3	210.00
RIGHT LANE ENDS (36" x 36" yellow + black)	W4-2R	2	117.00
CROSS TRAFFIC DOES NOT STOP	W4-4P	3	42.00
DIP SIGNS	W8-2	2	82.00
ADVANCE PEDESTRIAN	W11-2	12	554.64
DEER CROSSING SIGNS	W11-3	11	451.00
EMERGENCY VEHICLE SIGN (fire truck)	W11-8	1	41.00
DOUBLE ARROW SIGNS	W12-1	11	451.00
ADVISORY SPEED PLATES	W13-1	21	378.00
NOT A THROUGH STREET (36" x 6") VIP	NA	2	37.38
700 FEET PLATE	NA	1	20.00
OBJECT MARKERS	OM1-3	22	296.78
HAZARD MARKERS (right)	OM3-R	5	97.50
HAZARD MARKERS (left)	OM3-L	5	97.50
SCHOOL PLATES	S4-3P	1	12.90
SCHOOL SIGNS (fluorescent yellow green)	S1-1	6	402.00
DOWN ARROW PLATES	W16-7P	8	144.00
AHEAD PLATES	W16-9P	2	36.00
SCHOOL TIMES SIGN	S4-1	1	17.00
SCHOOL ENTRANCE (36" x 36")	NA	1	60.00
BIKE LANE (black + white)	R3-17	4	78.00
AHEAD PLATES (black + white)	R3-17aP	2	17.50
ENDS PLATES (black + white)	R3-17bP	2	17.50
RIGHT LANE BIKES ONLY	R3-17b	2	65.00
BIKE ROUTE (green + white)	D11-1	1	19.50
BEGIN PLATE (green + white)	M4-14	1	5.00
RIGHT LANE ENDS (36" x 36" work zone)	W4-2R	1	38.40
DETOUR AHEAD sign (36" x 36")	W20-2	1	31.25
DETOUR signs (24" x 18")	M4-9	8	111.12
NEIGHBORHOOD WATCH SIGNS	NA	128	2496.00

SIGN DIVISION

EMPLOYEE PARKING ONLY (18" x 12")	NA	2	23.00
EMPLOYEE ENTRANCE ONLY (18" x 12")	NA	1	11.50
RESERVED FOR UNITED WAY (24" x 18")	NA	2	45.40
NO TRESPASSING (18"x12" white + black)	NA	4	46.00
ELECTION SIGNS CHANGES	NA	14	42.00
CLEARANCE 11 FT 2 IN SIGN	NA	1	7.60
LIGHT POLE STICKERS	NA	680	1020.00
TEMPORARY HANDICAP PARKING	NA	32	72.00
TRUCK NUMBERS (white)	NA	24	16.08
TRUCK NUMBERS (black)	NA	27	17.55
CITY OF LEAWOOD STICKERS (black)	NA	17	15.30
CITY OF LEAWOOD STICKERS (white)	NA	10	10.00
POLICE CAR NUMBERS (blue & white)	NA	33	33.00
DIESEL stickers (orange + black)	NA	5	1.50
DIESEL ONLY sticker	NA	1	0.75
UNLEADED stickers (orange + black)	NA	5	1.50
GASOLINE ONLY sticker	NA	1	0.75
WHITE CIRCLES (3.5")	NA	10	2.00
RECYCLE STICKERS (15" circles)	NA	4	15.40
RECYCLE STICKERS (5" circles)	NA	4	6.80
STREET IDENTIFICATION PLATES	NA	728	12053.32

Total Sign Cost \$27,952.72

TOTAL POST COST \$13,945.95

TOTAL SIGN COST \$27,952.72

HARDWARE \$778.00

BAND-IT SUPPLIES \$260.00

TRAFFIC COUNTER SUPPLIES \$711.25

TEMPORARY NO PARKING \$3,075.29

YEAR END MATERIAL COST \$46,723.21

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 2013 the Storm Water Crew consisted of the following personnel.

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

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

PIPE MAINTENANCE	31.00 Segments	488.50 Total Work Hours
STRUCTURE REPAIR	14.00 Inlets 2.00 Junction Boxes 7.00 Segments	439.50 Total Work Hours
STRUCTURE INSPECTION	496.00 Inlets 59.00 Junction Boxes 251.00 Segments	806.25 Total Work Hours
TV	30,951.00 lineal feet	1,080.75 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 1,025 tons of debris from flowing into the storm sewer system and streams this year. Of that total 538 cubic yards of cellular materials were recycled at the Suburban Lawnside Recycling Facility.

Sweeping statistics for this year:

Total curb miles swept	3,513.00
Total hours sweeping	1,242.25
Average sweeping rate of 2.83 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
	\$585.74	\$19.50	\$29.25	\$49.97	\$18.25	\$1.17	\$7.50				
1	\$0.00	0.00	84.00	110.83	0.00	100.00	0.00	3"	26	yes	\$9,235.98
2	\$0.00	0.00	86.50	78.85	0.00	550.00	0.00	0"	28	no	\$7,076.80
3	\$0.00	167.00	0.00	148.70	0.00	0.00	0.00	1"	31	no	\$10,669.20
4	\$0.00	0.00	64.50	100.10	0.00	0.00	0.00	1"	28	no	\$6,876.62
5	\$585.74	648.00	551.25	532.00	0.00	0.00	0.00	12"	25	yes	\$56,252.40
6	\$1,644.68	679.00	327.00	576.40	0.00	0.00	0.00	12"	29	yes	\$53,571.79
7	\$0.00	123.50	26.00	217.30	0.00	0.00	0.00	.5"	26	no	\$14,026.54
8	\$1,341.76	144.00	625.50	567.00	0.00	500.00	0.00	8"	28	yes	\$51,476.04
9	\$0.00	96.00	0.00	0.00	0.00	0.00	0.00	2"	35	no	\$1,872.00
10	\$1,564.20	0.00	18.50	18.50	0.00	0.00	0.00	dusting	16	no	\$4,593.98
11	\$118.30	103.00	175.00	234.30	0.00	1,950.00	0.00	frz dirz	15	no	\$21,329.82
12	\$0.00	162.00	137.00	242.22	0.00	0.00	0.00	frz dirz	30	no	\$19,269.98
13	\$732.17	240.00	435.75	539.90	0.00	3,100.00	0.00	2.5"	19	yes	\$48,954.59

QUANTITIES:

2,362.50 2,531.00 3,366.10 0.00 0.00 6,200.00 0.00

COST:

\$5,986.85 \$46,068.75 \$74,031.75 \$167,924.28 \$0.00 \$7,099.00 \$0.00 \$305,205.74

LEAF COLLECTION PROGRAM

Every fall the Public Works Department collects leaves from the curbs and storm drain inlets. This maintenance currently occurs where the trees are mature and routinely cause maintenance problems. The leaves collected under this program are all recycled at Suburban Lawnside Recycling Facility.

The 2013 program started on November 25th and is ongoing into 2014.

Total cubic yards of Program leaves collected and recycled in 2013	238.00
Total Hours Worked On This Program	483.50

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:

- The Woods
- Tuscany Reserve
- Leabrooke
- Hunters Ridge
- Royce
- Leawood Estates
- Dorset Manor
- Saddlewood

Materials Used And Cost Of Program

Materials	Quantities	Unit Cost	Total Cost
Sealant -lbs	22,527.00	\$0.48	\$10,812.96
Regular Hours	1,125.75	\$15.00	\$16,886.25
O.T. Hours	17.00	\$22.50	\$382.50
	TOTAL COST		\$28,081.71

SLURRY SEAL PROGRAM

The Slurry Seal program consisted of a total of 186,170 square yards of pavement. The work was performed by Vance Brothers Contractors at a cost of \$1.82 per square yard. Jeff Peevler, Street Division Supervisor was the inspector for this program. The program started on June 3rd and was completed on June 28th. The cost for the Slurry seal program was \$338,829.00.

Sub-Divisions / Streets Slurried:

- The Woods
- Tuscany Reserve
- Leabrooke
- Hunters Ridge
- Royce
- Leawood Estates
- Dorset Manor
- Saddlewood

SUMMARY OF TASKS AND HOURS

DESCRIPTION OF WORK CATEGORIES

Tasks completed by the Street Division in 2013 have been divided into categories. Below is a description and hours spent at each category.

SNOW REMOVAL / SNOW EQUIPMENT – 3,387.75 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. – 1,539.50 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 – 6,017.25 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 – 4,555.00 HOURS

Repair and replacement of curbing, and driveway approaches.

SIDEWALKS – 1,632.50 HOURS

Repair or replacement of asphalt and concrete sidewalks.

SHOP / EQUIPMENT – 6,121.00 HOURS

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

STRUCTURE / PIPE INSPECTION / MAINTENANCE – 4,234.00 HOURS

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

TRAINING / SEMINAR / ADMINISTRATION – 1,825.00 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.	1,125.75 HOURS
SWEEPER – Includes sweeping and operators maintenance hours.	1,362.25 HOURS
SIGNS – Hours pertaining to the installation, maintenance and constructing street, traffic, and temporary no parking signs.	4,095.25 HOURS
PAINT STRIPING – Hours spent painting street markings and crosswalks in the City right of way	395.75 HOURS
FLEET HELP – Hours spent assisting fleet maintenance crews.	34.00 HOURS
LEAF – VAC PROGRAM – Hours spent collecting leaves from curbs and storm drain inlets.	483.50 HOURS
CITY FACILITIES – Hours spent performing miscellaneous duties at City Hall, Public Works Facility, and all other City owned facilities.	240.25 HOURS
SUPERVISOR – This category accounts for the supervisory hours for the year.	1,886.50 HOURS

SUMMARY OF TASK HOURS

2013

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

Task	Jan	Feb	Mar	Apr	May	Jun	Jul
Administration	31.50	32.00	26.50	56.50	29.50	35.50	4.00
Asphalt Curbfill	0.00	0.00	0.00	155.75	210.00	218.00	216.50
Asphalt Milling Repair	0.00	22.50	258.00	476.50	404.00	463.75	414.00
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	0.00	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	0.00
Concrete Curb Replacement	0.00	0.00	0.00	468.00	563.00	745.25	601.00
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	4.00	0.00	0.00
Concrete Pavement Recon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Sidewalk	0.00	0.00	0.00	4.50	0.00	53.75	97.50
Coredrilling	9.00	9.00	0.00	9.00	0.00	0.00	0.00
Crackfilling	459.75	342.50	0.00	0.00	0.00	0.00	0.00
Fleet Department Help	2.00	0.00	0.00	3.50	17.50	0.00	0.00
Joint Sealing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leaf Vac	24.00	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous	55.00	19.50	23.00	53.50	89.00	34.50	66.00
Paint Striping	0.00	0.00	0.00	0.00	0.00	0.00	173.25
Pipe Inspection	55.00	48.00	112.00	47.00	17.50	46.00	41.00
Pipe Maintenance	129.50	0.00	22.00	40.50	61.00	118.50	23.00
Pipe Repair	0.00	0.00	0.00	16.00	12.00	130.00	129.00
Potholes	69.00	127.00	156.00	40.00	56.00	16.00	19.50
Project	0.00	0.00	11.00	33.00	6.00	2.00	20.75
Right of Way	5.50	60.50	401.50	190.00	67.50	120.00	90.00
Shop/Equipment	816.25	728.75	720.50	519.00	709.50	324.50	273.00
Sign Department	293.25	315.00	316.50	336.00	326.50	317.50	275.50
Sign Department Help	49.50	23.00	57.50	62.00	56.00	24.00	156.50
Snow Equipment	326.50	333.00	390.75	53.50	111.00	0.00	0.00
Snow Removal	120.50	648.50	238.50	0.00	64.00	0.00	0.00
Structure Inspection	183.00	202.00	104.00	23.00	40.00	29.00	30.75
Structure Maintenance	16.00	43.50	4.00	74.00	81.00	19.50	23.00
Structure Repair	0.00	4.00	0.00	27.50	7.00	247.00	62.50
Supervisor	163.50	160.00	160.00	136.00	168.00	160.00	168.00
Sweeper	60.00	76.00	71.00	130.25	121.50	136.75	129.25
Sweeper Maintenance	12.50	12.00	15.00	15.00	14.00	9.00	10.00
Training-Seminar	477.50	72.50	75.50	164.50	69.00	27.50	121.75
TV Inspection	47.00	21.50	32.00	131.75	89.50	43.00	98.75

SUMMARY OF TASK HOURS

2013

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

Task	Aug	Sep	Oct	Nov	Dec	TOTALS
Administration	37.25	8.00	20.50	20.50	20.00	321.75
Asphalt Curbfill	204.50	167.00	147.25	98.50	0.00	1,417.50
Asphalt Milling Repair	507.50	478.50	471.00	257.00	66.00	3,818.75
Asphalt Park Trail	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Projects	0.00	0.00	0.00	104.50	21.00	125.50
Asphalt Reconstruction	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
Concrete Curb Replacement	811.75	598.50	525.50	242.00	0.00	4,555.00
Concrete Flatwork	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Pavement Patch	48.00	0.00	0.00	0.00	0.00	52.00
Concrete Pavement Recon	0.00	0.00	0.00	0.00	0.00	0.00
Concrete Sidewalk	123.50	607.25	513.50	232.50	0.00	1,632.50
Coredrilling	0.00	18.00	0.00	0.00	0.00	45.00
Crackfilling	0.00	0.00	0.00	0.00	323.50	1,125.75
Fleet Department Help	0.00	0.00	2.00	4.50	4.50	34.00
Joint Sealing	0.00	0.00	0.00	56.00	0.00	56.00
Leaf Vac	0.00	0.00	0.00	129.50	330.00	483.50
Miscellaneous	63.50	29.00	42.50	80.00	0.00	555.50
Paint Striping	195.50	0.00	0.00	27.00	0.00	395.75
Pipe Inspection	48.50	30.00	30.50	26.50	23.00	525.00
Pipe Maintenance	43.00	3.00	16.00	32.00	0.00	488.50
Pipe Repair	9.00	40.50	13.00	28.00	76.50	454.00
Potholes	76.50	16.00	0.00	14.00	38.00	628.00
Project	0.00	0.00	0.00	42.00	0.00	114.75
Right of Way	9.00	36.00	0.00	0.00	4.00	984.00
Shop/Equipment	362.25	180.00	359.75	514.50	613.00	6,121.00
Sign Department	325.50	275.00	254.50	286.50	238.50	3,560.25
Sign Department Help	12.50	0.00	0.00	4.50	89.50	535.00
Snow Equipment	0.00	0.00	115.00	97.50	446.50	1,873.75
Snow Removal	0.00	0.00	0.00	0.00	442.50	1,514.00
Structure Inspection	20.00	2.00	21.00	21.00	130.50	806.25
Structure Maintenance	17.00	65.00	29.00	68.00	0.00	440.00
Structure Repair	0.00	30.00	4.50	57.00	0.00	439.50
Supervisor	169.25	152.75	162.50	137.00	149.50	1,886.50
Sweeper	107.00	139.00	129.00	102.50	40.00	1,242.25
Sweeper Maintenance	6.00	11.50	9.50	4.00	1.50	120.00
Training-Seminar	12.50	53.00	352.00	67.50	10.00	1,503.25
TV Inspection	154.00	184.75	158.00	99.50	21.00	1,080.75
					YEAR	38,935.25

**BREAKDOWN OF WORK HOURS
STREET DIVISION**

TASKS	HOURS
Snow Removal / Equipment	3,387.75
Right of Way / Miscellaneous	1,539.50
Street Maintenance	6,017.25
Curb Maintenance	4,555.00
Sidewalks	1,632.50
Shop /Equipment	6,121.00
Structure / Pipe Inspection / Maintenance	4,234.00
Training / Seminar / Administration	1,825.00
Crackfill Program	1,125.75
Sweeper	1,362.25
Signs	4,095.25
Paint Striping	395.75
Fleet Help	34.00
Leaf Vac Program	483.50
City Facilities	240.25
Supervisor	1,886.50
Total Hours Worked	38,935.25

OVERTIME SUMMARY

This summary describes how overtime hours were used in the Street Division in 2013.

CATEGORY	HOURS
Administration	2.75
Asphalt Curbfill	0.00
Asphalt Milling Repair	2.25
Asphalt Park Trail	0.00
Asphalt Projects	0.00
Asphalt Reconstruction	0.00
Asphalt Sidewalk	0.00
Concrete Curb Replacement	18.75
Concrete Flatwork	0.00
Concrete Pavement Patch	0.00
Concrete Pavement Recon	0.00
Concrete Sidewalk	0.50
Coredrilling	0.00
Crackfilling	17.00
Fleet Department Help	0.00
Joint Sealing	0.00
Leaf Vac	0.00
Miscellaneous	0.00
Paint Striping	0.00
Pipe Inspection	2.75
Pipe Maintenance	10.75
Pipe Repair	0.00
Potholes	0.00
Project	0.00
Right of Way	26.00
Shop/Equipment	1.50
Sign Department	2.00
Sign Department Help	0.00
Snow Equipment	0.00
Snow Removal	1,623.75
Structure Inspection	0.00
Structure Maintenance	0.00
Structure Repair	0.00
Supervisor	0.00
Sweeper	0.00
Sweeper Maintenance	0.00
Training-Seminar	26.75
TV Inspection	0.00

YEAR END COMPARISONS

This summary compares work quantities in the Street Department

CONCRETE	UNIT	2007	2008	2009	2010	2011	2012	2013
Curb Replacement	Ln Ft	6,185.00	6,584.00	8,942.00	7,816.00	7,765.00	6,599.00	3,906.00
Sidewalks	Ln Ft	1,507.00	1,565.00	793.00	1,392.00	1,110.00	4,201.00	1,265.00
Storm Drains	Each	1.00	17.00	44.00	22.00	32.00	25.00	16.00
ASPHALT								
Pothole Repair	Tons	64.02	36.79	29.22	49.09	42.69	22.88	21.76
Milling Repair	Tons	1,183.29	1,340.41	1,714.47	1,629.99	1,555.50	1,358.89	1,470.86
Curbfill	Tons	866.18	860.59	1,118.71	1,032.21	1,026.53	846.51	579.31
Rehabilitation	Tons	142.69	268.69	88.37	7.04	132.45	0.00	0.00
Projects	Tons	122.73	371.03	168.29	122.41	106.54	107.09	73.17
Total Asphalt Used		2,378.91	2,877.51	3,119.06	2,840.74	2,863.71	2,335.37	2,145.10
Street Sweeping	Curbmiles	3,057.00	3,062.50	3,182.00	2,675.00	2,734.00	3,705.00	3,513.00
Leaf Pickup	Cubic Yd	1,074.00	756.00	1,078.00	910.00	322.00	630.00	238.00
Crackfill Sealant	Pounds	28,575.00	25,535.00	34,320.00	21,600.00	21,600.00	67,263.00	22,527.00
STORMWATER								
Storm Sewer TV'd	Ln Ft	31,617.00	33,805.00	65,990.90	39,094.00	48,610.80	51,958.10	30,951.00
SIGN DEPARTMENT								
Temp No Parking	Each	817	825	868	949	883	993	899
Regulatory Installed	Each	136	112	158	37	613	1,028	158
Warning Installed	Each	14	66	22	8	25	132	148
Other Installed	Each	362	410	526	302	1,041	479	1,814