2013 STREET DEPARTMENT ANNUAL REPORT

Countryside Dr Plowing

The City Street Department maintains approximately 219 lane miles of Streets and 19.5 miles of alleys with a crew of 7 full time employees, comprise of (2) Equipment Operators, (2) Laborer 2, (1) Laborer 1, a Foreman and a Street Department Superintendent. In addition, the Street Department typically utilizes (2) summer college students seasonally in their work force. This year we had to tighten up our budget so we did not hire seasonal help. We also had an employee off the entire year fighting cancer. This was an incredibly challenging year because of the lack of manpower.

Vehicle Maintenance Shop has (1) full time mechanic and utilizes one of the street dept workers if necessary to aid in vehicle repairs. This shop maintains approximately 125 vehicles and equipment for all city departments.

Fremont City Maintenance building.

Snow Removal. The Street Department snow removal program consists of (7) snowplows that maintain all city streets and alleys in plowing and salting. We recently decommissioned one of our 1 Ton dump trucks. It's a 2001 Ford F350 that has seen it's better days. The vehicle replacement committee has decided to replace this truck so that we are back up to a full fleet. We will order this truck sometime in January but won't actually get it till around May.

If needed, the Parks Department and WPCC have (4) plows to assist in snow removal. We haul snow from our downtown areas when needed. This is a joint effort amongst departments. The Street dept, Parks dept and Water/Sewer maintenance department all provide necessary manpower and equipment to accomplish this. The city incorporates (2) city loaders, (2) city backhoes and (3) skid loaders to assist in snow removal. The loaders are used in clearing city parking lots, the backhoes clear alleyways, while the skid loaders are used in a variety of ways.

Graham Dr truck #106

Hauling snow at the corner of W. State St & S. Front St

Street Sweeping requires one full time employee 40 hours a week and normally runs about (6) months out of the year. Although we have restructured the way we utilize the street sweeping program. The limited manpower has us sweeping the entire city about 4 times a year. It takes approximately 3-4 weeks weather permitting to accomplish one round.

We also like to sweep the streets that are going to be utilized prior to a parade or the Downtown Farmers Market. We also help out the Sandusky County Fair by sweeping the fairgrounds twice during fair week. This year this truck needed some extensive repairs to the Catalyst and Regeneration system. Those repairs set the

repairs & maintenance budget back $10,000.00 dollars. The maintenance alone on this sweeper is extensive. Once behind the seat the driver is constantly monitoring every aspect of the sweepers various functions.

BLACK TOPPING: Is a big part of our summer. We send a (4) man crew out to Prep and pave the water & sewer excavations throughout the city. We also repair road failures and low spots. This year with such a reduced staff we had to be more strategic on our work load. In the fall each water & sewer excavation will get crack sealed with our Crafco crack sealing machine to finish off the blacktop season.

Materials:
Asphalt 2013 totals: 150.96 Ton. Asphalt blacktop material is primarily used for alleys and water/sewer excavation repairs.

Cold mix 2013 totals: 42.55 ton. This material is generally used as a temporary repair that occurs in the roads during the winter months. We also used this material to fill potholes that develop in the blacktop alleys.

Stone 2013 totals: 0 Ton. Stone, mostly limestone, is used for alleys and berming along side roads and all non-curbed streets. We are now recycling stone from the water/sewer excavations during our Hot mix season. This new practice has save our department about $4500.00 on our yearly budget.

Paving a Water Excavation at W.State St & White Ave.

Salt 2013 totals 1000.10 Tons: Used for winter snow and ice on streets.
BEET HEET 2013Totals 4500 gallons: BEET HEET is an organic based, corrosion inhibited, liquid anti-icer/de-icer and pre-wetting agent containing sodium, calcium, and magnesium chlorides. BEET HEET severe is a ready-to-use "super-blend" de-icer designed to provide superior ice melt capacity and anti-bonding and residual performance to that of sodium and calcium chloride based de-icers.

Salt Pickup from Fremont City Schools 2013 total **18 ton**.
Salt pickup from Terra Tech College 2013 total **12 ton**.
The schools pay the city for this material.
(Specific dates and details on all material are available.)

Alley Maintenance: The Street Department maintains all city alleys by grading and berming them twice a year. These areas at one time were oiled once a Year. This was another area we had to cut to help with the 2013 budget saving us an additional $12,000.00.

Traffic Signal Maintenance: What once was subcontracted to outside electrical contractors, at a considerable cost to the city, is now maintained by the Street Department. Several of the Street Department employees receive training yearly for Traffic signal maintenance. There are 46 intersections maintained; consisting of, bulb replacement, Signal head replacement, adjusting span cables, equipment changes such as monitor & controller replacement, surge protection, switch packs, diagnostics on faulty loop detectors and programming controllers for specific needs along with routine cabinet cleaning and filter changes twice a year.

In 2013, not including bulb replacement, we had **59** repairs that fit in the above criteria. We had a multitude of damage done to the city's traffic signal infrastructure due to the July 10th storm. We had to replace some signal heads but the majority of issues were electronic by nature. A couple of examples would be St. Rt 53 & Sean Dr were the master Econolite controller and Intuicom Telemetry system was damaged. Another example was North St & Fangboner Rd were not only signal heads were torn from the span cables but the Econolite ASC3 Controller was destroyed. Most of the signal damage was from the straight-line winds. The electrical damage was a result of downed power lines and transformers shorting out.

July 10, 2013 Storm damage

Repairing a traffic signal

Street light maintenance: The Street Department assists AEP in maintaining the city streetlights. In 2013 we had **116** reports of Street light problems. These complaints are reported to the Street Department and we then refer these reports to AEP.

There are numerous streetlights on the by-pass, along with many specialty streetlights most notably, the Downtown Historical Street Lighting that we

maintain. We had (**19**) Historical street light repairs. Twice a year we go through all (**51**) Historical Downtown Streetlights and perform a variety of maintenance on them. This includes tightening mounting hardware, replacing capacitors, ballasts and bulb replacement. These (**51**) lights are
divided up into (3) areas N. Front St, S. Front St & Croghan St. Each section has their own panel that operates each area. We maintain these also with just recently replacing the timer system in the N. Front St Section.

Traffic signal test area. This is were we test components to ensure there functioning correctly.

Traffic light component Inventory, along with sign blanks.

This year starting in August we upgraded 16 signalized intersections to L.E.D signal heads. At a cost of $8650.00 which is State Contract cost for the cooperative purchasing program that ODOT provides for municipalities to participate in. To put things into perspective our goal was quite simple. We could lower our energy usage by approximately 2/3 of the cost or continue with incandescent bulbs. The average intersection has dropped $60.00 to $70.00 a month. Essentially this project will pay for itself in a year. The L.E.D fixtures also carry a 5-year warranty but in my experience last significantly longer. To date of the 46 signalized intersections that we have 39 have been upgraded to the more cost effective L.E.D's. The remaining 7 intersections are in dire need for complete infrastructure replacement.

Sign Maintenance is provided by the Street Department. There are several thousand signs already up in the city limits now, with new ones being added or replaced weekly. These signs are located on posts, cables, buildings etc.
Our Gerber Plotter, which is a computer driven machine, allows the Street Department to design and make these signs to meet all specific dimensions used state wide or for specialty signs. We added a new Roland 30" plotter to increase productivity in the sign room. We're not only able to make larger signs but we were able to stripe two of the Ford Explorers in the Police Dept. Once again saving the city money by doing this in house, rather than using an outside contractor. Listed below are some of the inventoried signs that line the Streets of Fremont. I'll just list a few examples to give an idea of the vast amount of signage that the city has.

Stop Signs:	645
25 mph :	285
35 mph:	85
One Way Right:	55
One Way Left:	55
No Parking:	575
Street Name:	1042

There are actually 132 different types of signs that we inventory throughout the city. Most of which are created in our sign shop. There is also a multitude of different types of fasteners and brackets that we need to have stocked for various mounting applications. We also have two types of backing paper that is applied to each and every sign that we make. We have an Engineered grade paper and H.I.P (Hi-Intensity Prismatic) paper. There are also several colors of Plotter paper that we have in stock to provide the borders and verbiage to each sign.

Street Dept sign room.

225 signs were replaced in 2013. These signs range from Stop signs, Street name signs, Do not enter, Speed limit, No parking along with many specialty signs designed for specific events. An example of one of the specialty signs that we erected is located on St. Rt 53 just North of North St on the West side of the Rd. New Federal mandates now have added another issue to contend with. That being sign retro-reflectivity. We are currently using a blanket replacement program for our sign upgrades. The signs that will be addressed first are your regulatory, warning and ground mounted signs.We had many signs get damaged during the July 10th storm that reeked havoc on Fremont.

Listed below are signs replaced or upgraded in 2013:

40 - 25 MPH signs
16- One Way signs

15- R/R signs
8- 35 MPH signs
5- Stop Signs
141- Misc Signs (No Parking, Handicap, Truck route etc.)

Water and Sewer Excavation repair is provided by the Street Department after the service repair is completed. Excavations blacktopped for 2013.
Water Excavations: 58
Sewer Excavations: 48

(Specific dates, addresses and service provided for each of these is available)
We also maintain low spots and sink holes in our blacktop maintenance program.

Leaf Pickup: This is a fall project that we generally start the day after Election Day. We opted this year to start a week later. This was a much colder fall for leaf collection. Leaves were down early last year but this year they took there time to fall. We had 2 crews working this year, making two rounds, along with a 1-ton dump truck that drove around the town picking up bagged leaves. The totals for the 2013 leaf pick-up are as followed.
Eastside crew: **96 loads**
Westside crew: **97 loads**
Boulevard crew: **0 loads**
Bagged leaves: **3256 bags**

Ed sucking leaves at the Riviera Trailer park.

Mowing & Weed trimming: The Street Department maintains many acres of land in which we mow and weed trim each week. From late spring to early fall crews run a mow route on a weekly basis. There is a list of approximately 20 plus areas that run to the city limits from all directions North, South, East and West. We utilize an ATM (all terrain mower) for doing Miles Newton & Camelback bridge along with the city's bypasses such as RT 19, RT 6 & RT 53. All flat land is done with our Kubota tractor with a flail attachment.

Mowing with the Deweze ATM mower on St.Rt 19

Pesticide and herbicide Maintenance: This is a service also provided by the Street Department. This year we used (2) types of herbicide that we purchase locally at Sunrise Co-op and at Rural King. Our spray program is generally ran twice a year (Spring & Fall) for areas including fencerows, guardrails, billboards, bridges, brick boulevards, railroad bridges, and specific parking areas.

Total herbicide use in 2013 was:

1) Reward - 0 Gallons
2) Surfactant - 0 oz
3) Roundup- Power max – 5.75 Gallons
4) Imitator plus – 9.55 Gallons

The Fremont Fueling Center.

The Fremont Fueling Center is maintained by the Street Department. There is a 10,000 Gallon Unleaded UST and a 4000 Gallon UST. We typically order a tanker load of fuel about every 6 weeks which generally consists of around 7000 – 7500 gallons of fuel. We have a Petrovend computer system that monitors the fuel system 24-7.There are daily reports done everyday along with tank testing every month. With new regulations in 2012 we had to become ABC compliant. Essentially this comprises of several things such as: Emergency response procedures, having proper tank registration certificates, Bureau of Underground Storage Tank (BUSTR) , Petroleum Underground Storage Tank Release Compensation Board (PUSTRCB), Facility certificate of coverage. Last BUSTR inspections, Line & Tank inspections. This year we had to have a C operator on staff and on call 24-7. The C operators for the Fremont Fueling Center are. Bill Guhn, Bruce Durnwald & Mark Tabery. We have protocol in place and posted at the fueling area in case of an emergency situation.

I have listed the 2013 Unleaded & Diesel usage for each Department below.

		GASOLINE/DIESEL YEARLY BUDGET REPORT				
JAN - DEC 2013						
ACCT #	**ACCT. NAME**	**UNLEADED/GAL**	**DIESEL/GAL**			
101-160	MUNICIPAL COURT	378				
101-210	MAINTENANCE	170				
101-230	ENGINEERS	1414				
101-245	I.T.COORDINATOR	58				
101-250	MAYORS OFFICE	109				
101-280	SSD	41				
101-320	POLICE DEPT.	16757				
101-340	FIRE DEPT.	981	2418			
101-740	ZONING DEPT.	94				
101-800	PARKS DEPT.	4448	2994			
101-810	RECREATION DEPT.	212				
222-510	STREET DEPT.	1713	4853			
510-442	WTP	845	95			
510-444	WATER MAINT.DEPT.	3363	1927			
570-473	W.P.C.C.	2864	1182			
570-475	SEWER MAINT.DEPT	1023	1542			
601-299	VEHICLE MAINT.	115	8			
	TOTALS	**34585**	**15019**			
		As of Dec 16,2013				

Other:

* The Street Department assists the Parks Department Brush pickup once a year. We also assist during storms where downed trees & branches are present. We also assist the Water & Sewer Dept when there short on manpower especially in overtime situations.This year we dedicated about 6 weeks of manpower & equipment to help with the aftermath of the July 10th storm .
* Guardrails along any city routes are maintained by the Street Department.

Damaged guardrail on ST. RT 53.

We also maintain the City's fencerows, which are in numerous locations.
This year we have utilized the Sandusky County Sheriff's Work Program to assist us on the maintenance of these fencerows.
This team effort has allowed us to keep up with the maintenance of the Fencerows keeping the City of Fremont clean & aesthetically pleasing.

Hickory and Spruce St clean up.

Sandusky County work force assisting in a clean up effort.

* Barricades used in all roadblocks are built, painted and repaired by the Street Department. We also design construction zones for the city crews and outside contractors to provide a safe work zone for the workers, along with providing safe travel for our citizens to negotiate these work areas. We provide barricades to all of the local parades at their request. We have also assisted some contractors with additional barricades & cones.

Ed cutting open a safe on a drug bust.

* The Street Department assists the local authorities in boarding up suspected drug houses. We also have been involved in the demolition of drug house's.

* The Annual City Auction is also hosted by the Street Department every summer. This year we auction off (5) Crown Victoria police cruisers,

150 bicycles that were either stolen or left abandoned. A 1981 International Dumpster truck that was used by the WTP and (3) confiscated vehicles. We also had several implements and electronic items such as tv's, police mobile vision camera's, computers & printers. This year generated approximately $23,000.00 in sales.

2013 City of Fremont Auction

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