2014 STREET DEPARTMENT ANNUAL REPORT

Countryside Dr Plowing truck #106

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 were able to hire one seasonal worker.

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.

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 purchased a 2014 International Terra Star that replace an aging 2001 Ford F350 Dump truck. The vehicle replacement committee has decided to replace this truck so that we are back up to a full fleet.

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 departments 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 such as stacking snow.

The 2013/14-winter season was an incredible challenge this year. We not only had record-breaking snowfall totals (79.3 inches) we also endured one of the

coldest winters on record. We had several key equipment breakdowns that made the snow removal challenge that much more difficult. We actually had one large dump truck that virtually was down until late March. That put a huge strain on the workload of the other plow drivers. We persevered as a unit but the challenge to overcome the constant barrage of heavy snow; wind and extreme temperatures took a toll on us all.

Stacking snow on S. Front St

Hauling snow at S. Front St & Croghan 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.

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 workload. 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 2014 totals: 226.13 Ton. Asphalt blacktop material is primarily used for alleys and water/sewer excavation repairs. We also repaired several low spots in the cities roadways.

Cold mix 2014 totals: 58.62 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 2014 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.

Prepping Howland St & Elliot St for blacktop repair.

CRACK SEALING PROGRAM:
This year we took on a large project that took several weeks to complete. All of St. Rt. 53 from North St to Corp limit was completely crack seal. This project alone required 10 pallets of Crafco sealant. To put this in perspective that is 22,500 lbs of Crafco sealant at a cost of $12,200.00 for the particular project.

S.B. St.Rt. 53 Crack Sealing

St.Rt. 53 & Hagerty Dr Crack Sealing

Salt 2014 totals 1366.85 Tons: Used for winter snow and ice on streets.
BEET HEET 2014 Totals 4000 gallons: BEET HEET is an organic based, corrosion inhibited, liquid anti-icer/de-icer and pre-wetting agent containing sodium, calcium, potassium and magnesium chlorides along with Sucrose, Glucose, Fructose and Raffinose sugars. 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 2014 total **18 ton**.
Salt pickup from Terra Tech College 2014 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 2014 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. On repairs that require an outside contractor we used Valley Electric out of Fremont and National Light & Power out of Sandusky.

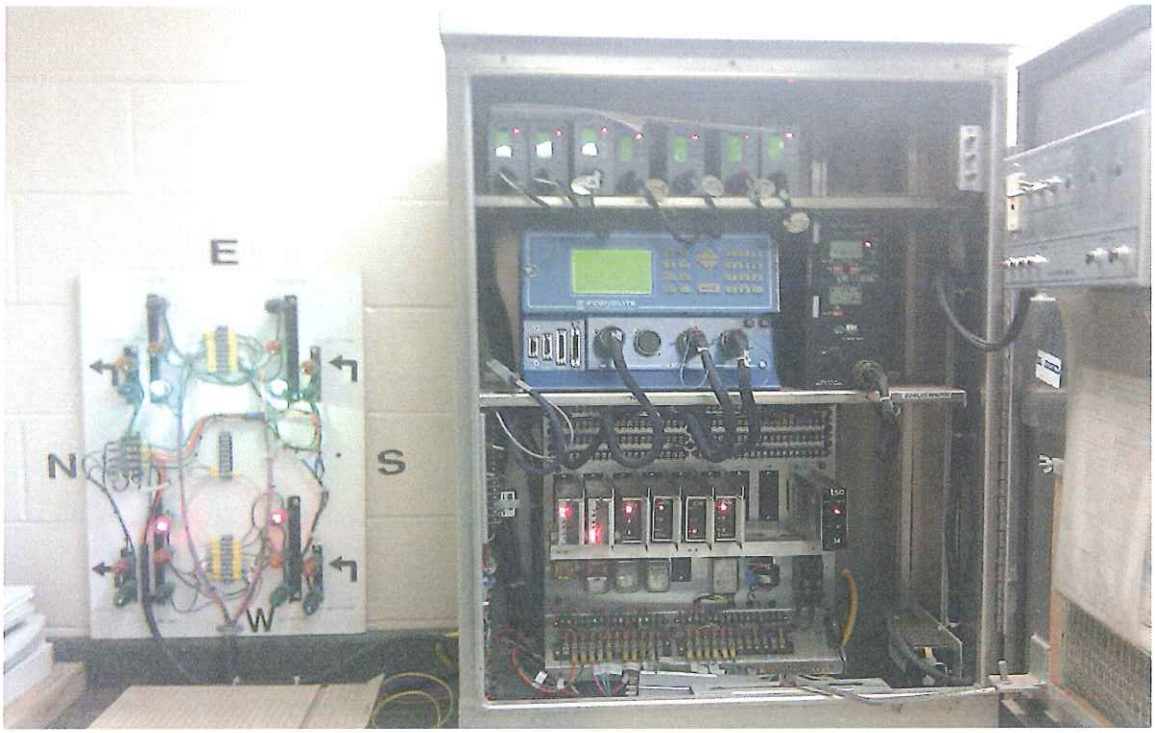
Sign Blanks and Traffic Signal components.

Repairing a traffic signal

Street light maintenance: The Street Department assists AEP in maintaining the city streetlights. In 2014 we had **117** 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 (**42**) 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.

Downtown Streetlight #44 repair work.



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

Traffic light component Inventory, along with sign blanks.

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 also have a Roland 30" plotter to increase productivity in the sign room. We added a new Extruded sign machine this year which aids in applying lettering & backing paper to a street sign. 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.

This year we had a large sign installation project. The project is phase one of the "Safe Routes To School" program. There were several different types of school related signs that were installed this summer. ODOT provided the signage for the city. The city's responsibility was the locating and installing of the signs in a 60-day timeframe weather permitting. There were approximately 315 signs installed. Once the job was completed ODOT came back to inspect the installation.

SAFE ROUTES TO SCHOOL INSTALLED SIGNAGE:

144 – School Crosswalk
60 – Pedestrian Crosswalk
20 - 20MPH School Zone
8 – End Of School Zone
160 – Yellow Strips

Street Dept sign room.

276 signs were replaced in 2014. 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.

Listed below are signs replaced or upgraded in 2014:

14 - 25 MPH signs
47 - One Way signs
75 – Red Strips
15- R/R signs
8- 35 MPH signs
5- Stop Signs
5 – Do Not Enter
8 – No Truck Thru
96 – Street Name Signs
1 – Snow Emergency
1 – No Outlet
1 – No U-Turn

Water and Sewer Excavation repair is provided by the Street Department after the service repair is completed. Excavations blacktopped for 2014.
Water/Sewer Excavations: 132
Engineering Street Cuts: 8
(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. 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 2014 leaf pick-up are as followed.
Eastside crew: **102 loads**
Westside crew: **113.5 loads**
Bagged leaves: **3645 bags**

Mitch sucking leaves heading East on Croghan St.

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 run twice a year (Spring & Fall) for areas including fencerows, guardrails, billboards, bridges, brick boulevards, railroad bridges, and specific parking areas. This year we had to apply a third round.

Total herbicide use in 2014 was:

1) Round #1 (5-20-14 to 6-3-14) 332 Gallons/Mixed w/Round-up
2) Round #2 (7-10-14 to 7-18-14) 375 Gallons/Mixed w/ Round-up
3) Round #3 (9-29-14 to 10-9-14) 300 Gallons/Mixed w/ Round-up

The City Of 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 2014 Unleaded & Diesel usage for each Department below.

		GASOLINE/DIESEL YEARLY BUDGET REPORT									
JAN - DEC 11, 2014											
ACCT #	**ACCT. NAME**	**UNLEADED/GAL**	**DIESEL/GAL**								
101-160	MUNICIPAL COURT	270									
101-210	MAINTENANCE	166									
101-230	ENGINEERS	1011	2								
101-245	I.T.COORDINATOR										
101-250	MAYORS OFFICE	165									
101-280	SSD	168									
101-320	POLICE DEPT.	14133									
101-340	FIRE DEPT.	636	2194								
101-740	ZONING DEPT.	125									
101-800	PARKS DEPT.	3487	3820								
101-810	RECREATION DEPT.	121									
222-510	STREET DEPT.	1962	5835								
510-442	WTP	899	33								
510-444	WATER MAINT.DEPT.	3094	1814								
570-473	W.P.C.C.	2424	432								
570-475	SEWER MAINT.DEPT	620	837								
601-299	VEHICLE MAINT.	79									
	TOTALS	**29360**	**14967**								
		As of Dec 11,2014									

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.

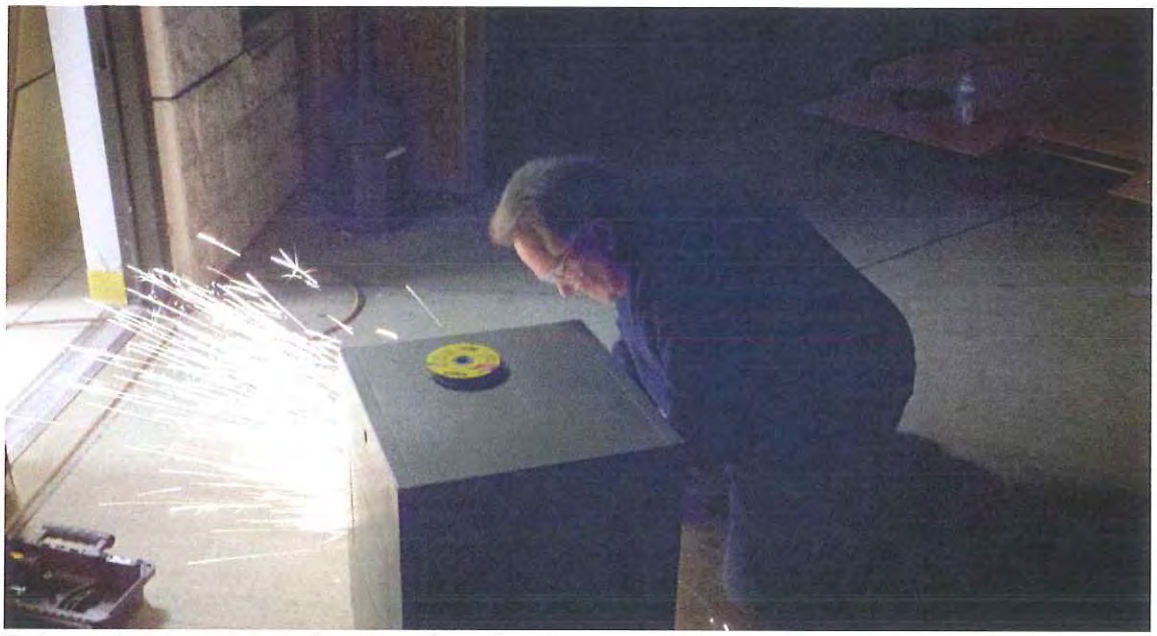
We also maintain the City's fencerows, which are in numerous locations.
This year we have utilized the Sandusky County Sheriff's Work Program to assist us on the maintenance of these fencerows.
This team effort has allowed us to keep up with the maintenance of the Fencerows keeping the City of Fremont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

Bruce & Jack setting up for the Sandusky County Fair


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 opted to hold off and have it in the spring of 2015.