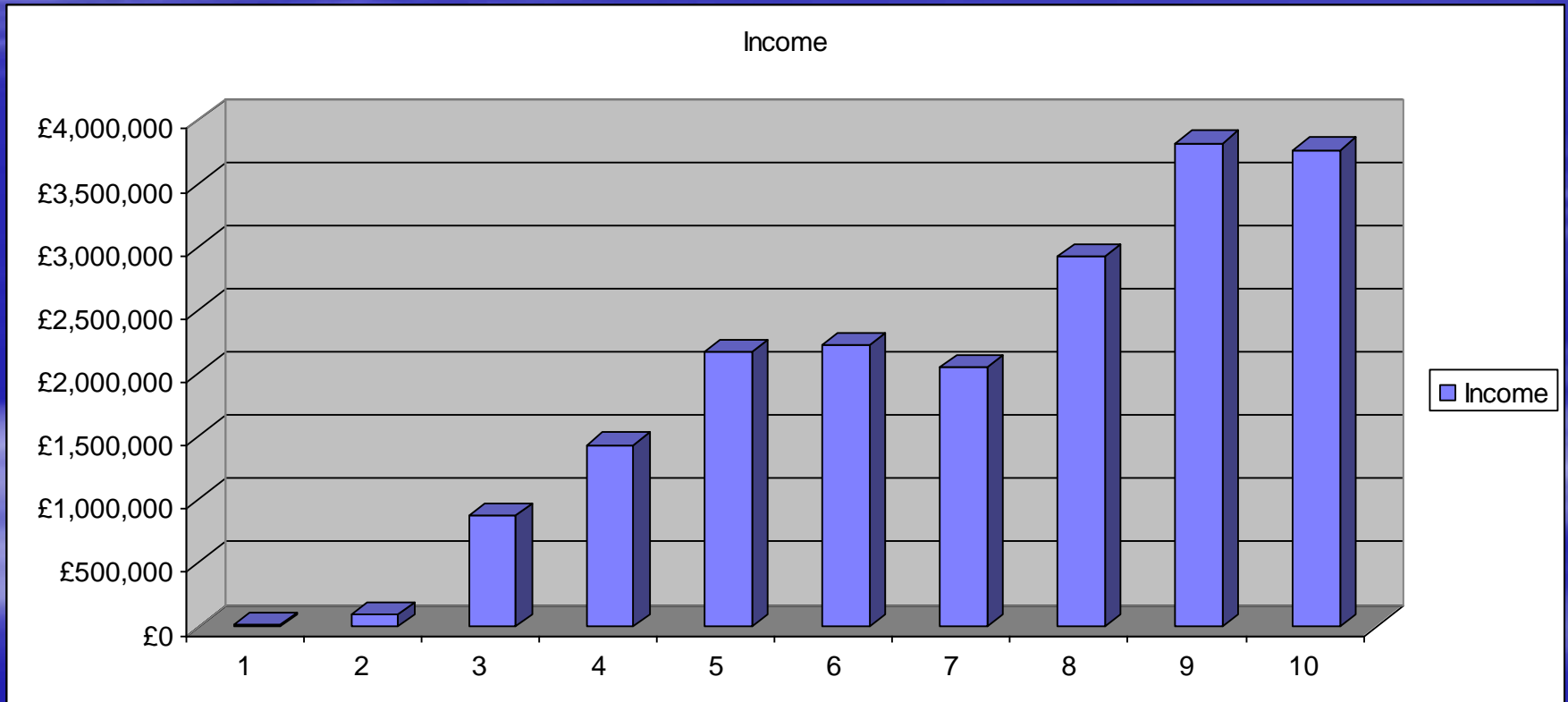


Falkirk Council – Roads Services

C.C.T.V. AND JETTING



BLACKSMITH



FORESTRY



CIVILS



Roads Operations completed 3400 works orders last year.
Traditional Road Works 305 works orders Value £3.7 M
Miscellaneous work 3162 works orders Value £2.8 M

DRAINAGE



Date	Calls	Income	Surplus
2008/09	120	£23,328	20%
2009/10	574	£180,257	19%
2010/11	1025	£289,916	24%
2011/12	1190	£286,060	25%
2012/13	1025	£350,187	19%

Ave response times - Falkirk < 30 mins. Contract >2hrs

Cost per attendance - Falkirk average was 50% lower.

Number of revisits - Falkirk 70% less.

I INCREASED OUR CHARGE RATES.

ENGINE

20HP Lombardini water cooled diesel engine, fitted with electric start and full instrumentation.

PUMP

Triplex Plunger Pump fitted with ceramic plungers and c/w unloader valve and flow selector pump, close coupled to the engine via a reduction gearbox.

HOSE REEL

200' capacity hydraulic powered hose reel.

SUB-FRAME

Steel frame with box section and angle, shot blasted and powder coated fitted with anti vibration rubber mountings.

WATER TANK

1 x 300 litre re-enforced polythene storage tank fitted with inline filtration, level indicator and overflow to

Water Authority Regulations. Please see Technical Specification for information relating to weights and capacities.

CONTROLS

All rear mounted instrumentation.

ISSUES

- Revisits.
- Personnel leaving
- Management of Assets

INVESTMENT

CDLAB AG // 61897_jack.mdb

No.	m	Street	Size/Shape	start MH	→←	end MH	%
21	123.81	BETWEEN DOROTHY &	dia 200 mm	27	→→	28	
22	138.1	BETWEEN DOROTHY &	dia 200 mm	28	→→	29	
23	129.81	BETWEEN DOROTHY &	dia 200 mm	29	→→	30	
24	138.29	BETWEEN DOROTHY &	dia 200 mm	30	→→	26	
25	53.31	BETWEEN DOROTHY &	dia 200 mm	26	→→	31	
26	114.79	EAST TO WEST	dia 200 mm	31	→→	32	
27	54.1	5TH-BETWEEN GLENN	dia 200 mm	33	→→	32	
28	127.31	BETWEEN GLENN &	dia 200 mm	32	→→	34	
29	27.19	BETWEEN GLENN &	dia 200 mm	35	→→	36	
30	98.12	BETWEEN GLENN &	dia 200 mm	36	←←	35	
31	123.54	BETWEEN GLENN &	dia 200 mm	36	→→	37	
32	138.71	BETWEEN GLENN &	dia 200 mm	37	→→	38	
33	135.91	BETWEEN GLENN &	dia 200 mm	38	→→	39	
34	112.72	6TH AVE	dia 200 mm	39	→→	40	
35	137.89	BETWEEN NORRIS &	dia 200 mm	42	→→	43	
36	71.1	NORRIS STREET	dia 200 mm	43	→→		
37	133.11	BETWEEN NORRIS &	dia 200 mm	40	→→		
38	120.49	BETWEEN NORRIS &	dia 200 mm	44	→→		
39	60.41	BETWEEN NORRIS &	dia 200 mm	45	→→		
40	104.1	BETWEEN NORRIS &	dia 200 mm	10	←←		
41	59.89	4TH AVE	dia 200 mm	15	→→		

distance A: 233, 24 f

No.	m	OC	Observation
6	47.4	CN	Connection at 2 o'clock
7	51.2	CLB	Longitudinal crack in bricks, at 3 o'clock
8	52.79	ELJ	Light encrustation at joint at 10 o'clock
9	54.1	DE	Debris, 5% cross-sectional area loss
10	54.1	ESL	Scale light, 5% cross-sectional area loss, at 7 o'clock
11	58.5	CN	Connection, at 10 o'clock, diameter 100mm
12	63.31	FC	Connection at 12 o'clock, intrusion 200mm
13	66	RF	Roots fine
14	69.4	IDJ	Infiltration dripper at joint, from 10 to 1 o'clock
15	71.1	X	Conduit collapsed, 50% loss of cross-sectional area loss.
16	71.1	SA	Survey abandoned

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Observation Distance reset Attribut AE

Buying In

- **Flood Prevention** – requires all of their miles of culverts surveyed, reported & mapped. They set aside a budget of around £80,000 initiate these works in 2012
- **Facilities** – are looking for all Falkirk Council owned office, education & social work properties to have detailed drainage surveys carried out and added to their asset register. Full surveys to be taken of a property whenever attending any blockage.
- **Housing** – are keen to access their surveys and other reports through computer mapping.
- **Others** – Roads, Bridging Section and Architects have all shown an interest.
- Interest was at such a level that major contributions were made towards the required purchases to initiate the scheme.

NOW

- The purchase of the plant, I.T. and training requirements have all been carried out. We now have 2 fully operational units, 8 fully trained personnel and the most up to date software.
- We are in the process of adding pipe patch relining into our skills base.
- We were hoping to have started mapping by now but have been held up a bit by the changeover from arcGIS to quantumGIS. We have meetings arranged with our clients and with thinkWare to proceed to the next stage.



I'LL LOOK
INTO THIS?

NO MATTER HOW AWFUL YOU CONSIDER YOUR
WORKFORCE IS – BEING A DRAINAGE
OPERATIVE DOES NOT REQUIRE TOO MUCH
INTELLIGENCE.