

BATTLE OF THE BOTTOM LINE:

FLD vs PLD Cost Estimates

In the planning stage of a project, numbers are key.
How much is it going to cost to build this? How do I get an estimate?

PLD VS FLD?

The essential difference between the PLD and FLD is the quality of data and the sources used. A PLD is the fastest level of design offered by Biarri Networks’ design services. Its focus is on speed and as such it uses parcel data to determine addressing and street center line for path data.

Our FLD uses both sides of the road as options for an underground path and also takes advantage of some pole data to serve the northeastern portion of the design. The FLD also uses privately sourced address data with higher fidelity than the raw parcel data used at the PLD stage.

So... what are the differences?

Immediately, we can see that the improved data has identified 43 extra addresses. The majority of these addresses are based in two commercial parcels in the north-west of the design. The extra addresses only represent two locations that already exist in the PLD – but were represented by parcel data as 1 address each.

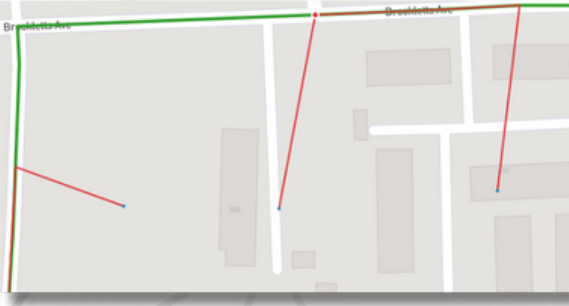
	PLD	FLD	PERCENTAGE CHANGE
NETWORK PATH	6983	8611	23%
MSTs	19	21	10.5%
ADDRESSES SERVED	124	166	34%

**Comparing results from both a PLD and FLD on one small cabinet area with fewer than 200 addresses.*

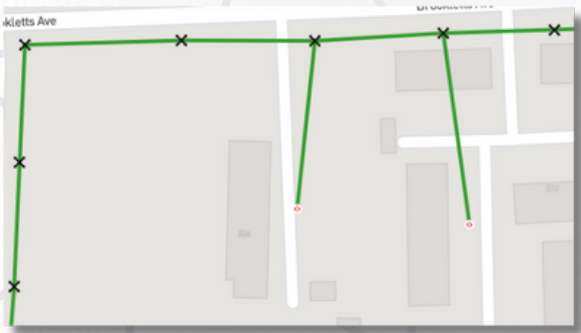
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LET'S LOOK AT SOME EXAMPLES

EXAMPLE 1



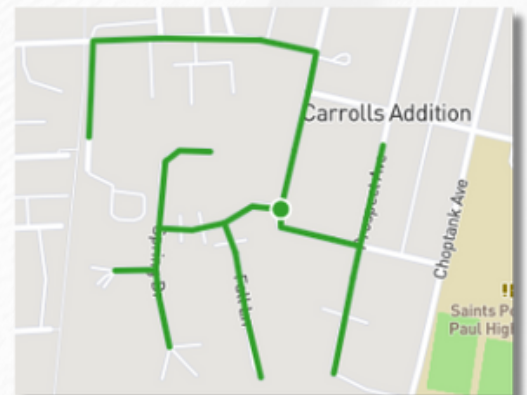
EXAMPLE 2



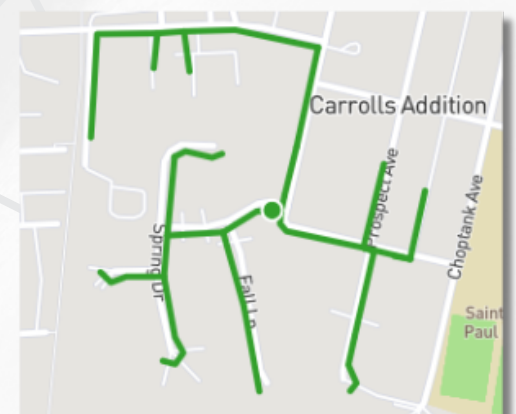
Those two addresses help account for the increase in MST count from 19 to 21 from PLD to FLD. The density of addresses in this area means that **Biarri's planning tool has placed dedicated MSTs to serve the increased number of addresses within the commercial lots.**



EXAMPLE 1



EXAMPLE 2



Network pathing looks similar when visually comparing the two designs side by side, but the numbers show that including such things as pole and span data, street crossings, and following the curved rights-of-way around cul-de-sacs represents a **23% increase in pathing.**



**Are you in the planning stage of your FTTH project?
WE HAVE THE SOLUTIONS & EXPERTISE TO HELP**