



Slabjacking of concrete structure



Slabjacking corrects concrete settlement, such as an uneven sidewalk.



If a house has been noted to be adjacent to a settlement in The City's public sidewalk, and if the homeowner wishes, we can lift their private sidewalk or driveway to match The City of Calgary's public sidewalk, in order for the contractor to repair this defect. The City asks the homeowner to please fill, sign and return the liability release form, to The City.



Slabjacking is a quick procedure with minimal inconvenience to residents and pedestrians, and can be done without disturbing the surrounding landscaping.

What is slabjacking?

Slabjacking, also known as concrete lifting, corrects concrete settlement by creating a solid foundation under the slab and lifting the structure. Slabjacking is an alternative to excavation and replacement of concrete structures or other temporary maintenance repairs.

When is slabjacking completed?

The slabjacking program is publicly tendered and awarded to a pre-qualified contractor. The work begins once the frost is out of the ground and lasts for the June to October construction season. Slabjacking adheres to The City of Calgary's Community Standards Bylaw 5M2004 (Noise) regulations for construction and only occurs during the following designated hours:

- 7 a.m. to 10 p.m. Monday through Saturday
- 9 a.m. to 10 p.m. on Sunday and statutory holidays

What are the benefits to slabjacking?

- Reduces trip hazards by levelling the sidewalk.
- It is more aesthetically appealing than temporary patching.
- It is a quick procedure with minimal inconvenience to residents and pedestrians, and can be done without disturbing the surrounding landscaping.
- The process is more cost effective than sidewalk replacement.
- It helps conserve resources and reduces both waste and pollution.

What does slabjacking look like?

Slabjacking does not alter the appearance of a sidewalk in any significant way. Since most of the work occurs underneath the actual sidewalk the surface remains mostly undisturbed. Once slabjacking is finished, the sidewalk should be level.

How is slabjacking completed?

Traffic cones, barricades and signs are placed around the work area to establish a safe pedestrian and vehicular movement zone. Injection holes are drilled in the uneven sidewalk panel or curb and gutter so that grout can be used to lift it up. As the sidewalk panel is lifted, grout flows into all the voids beneath the slab and fills them. Once the lifting is complete, the core holes are filled with a high strength, rapid set grout and finished to match existing sidewalk.

What can you do to help?

- Ensure children are supervised when in proximity to the construction area.
- Be careful when driving by the slabjacking crew – slow down.
- Observe cones and barricades set up for work zone safety.
- Please refrain from having lawn sprinklers spray water onto the work location immediately before and during slabjacking.

If you have any additional questions please contact 311 or visit calgary.ca for more information.