

APPENDIX D – TREATMENTS AVAILABLE FOR CONCRETE IMPROVEMENTS

Grinding

This method is used to remove trip hazards by shaving or grinding the raised portion of the sidewalk down and transitioning it back to the original sidewalk height, creating a level surface, and reducing the severity of the trip hazard.



Before



After

Concrete Replacement

This method is used to repair sidewalk deficiencies that are too severe for other treatments by replacing individual or multiple panels of sidewalk and/or curb & gutter. This process involves the removal of the existing poor segments and pouring a new sidewalk.



Before



After

Mud Jacking/Slab Jacking

This method is used to adjust the elevation of a sidewalk that has sunk or settled over time. It can also be used to improve sidewalk drainage and eliminate trip hazards between two panels. This process involves the injecting a grout or slurry below the lower section of the sidewalk to fill any voids and raise the sidewalk to the required height. For mud jacking to be effective, the sidewalk must be relatively free of cracks, not undergone this process more than once and have a concrete gutter that runs along the adjacent road.



Before



After

Asphalt Capping

This method is a low-cost option involving the placement of an asphalt overlay on a sidewalk that requires immediate attention due to severe sidewalk deficiencies. This method can be used to quickly address trip hazards, raise the walking surface on settled panels and provide a smooth walking surface. It can also address concrete deficiencies on sidewalks that have no gutter or are separate from the gutter, which cannot be mudjacked



Before



After