5 THINGS TO KNOW ABOUT

STREET MAINTENANCE

CONCRETE PANELS

1 What is a concrete panel replacement?

Concrete Panel replacement is a localized maintenance method used to replace individual sections or panels of damaged concrete without reconstructing an entire street. If deterioration extends throughout a street or involves structural or drainage issues, a more extensive rehabilitation project may be necessary.

2 When does a concrete panel need to be replaced?

A panel may be considered for replacement when deterioration affects the structural integrity, safety, or serviceability of the pavement. Conditions may include severe cracking, settlement, significant surface deterioration, or failure of the supporting base.

3 How does the City determine what type of repair is needed?

Street conditions are evaluated to determine the type and severity of the pavement distress. Not every crack or pavement defect requires a panel replacement. Depending on the condition, other forms of maintenance may be considered including localized repairs or pavement rehabilitation.

4 What happens during a panel replacement?

The damaged concrete is removed, and the area underneath is evaluated. Any unsuitable or failed base material is addressed before the replacement panel is constructed. The new concrete is then poured, finished, and allowed sufficient time to cure before traffic is reopened.

5 Why replace individual panels instead of the entire street?

Panel replacement allows the City to target failed sections of otherwise serviceable streets. This helps extend the useful life of the street, improves ride quality and safety, and allows available maintenance resources to be focused where repairs are most needed.

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