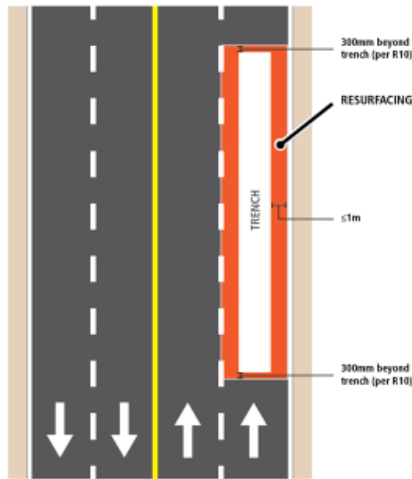


Document 5 –Road Cut Resurfacing Requirements Scenarios

Scenario 1a

Longitudinal Trenches – Single Lane

Trench located $\leq 1\text{m}$ from curbline or construction joint



Reqs

Pavement less than three (3) years old

Action

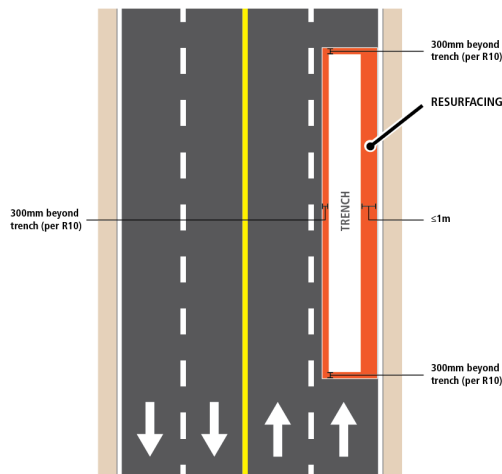
Full lane grind and pave, allowing 300mm step key on all sides of permanently repaired cut by R10 Standard Trench Reinstatement in paved surface.



Scenario 1b

Longitudinal Trenches – Single Lane

Trench located $\leq 1\text{m}$ from curbline or construction joint



Reqs

Pavement older than three (3) years old

Action

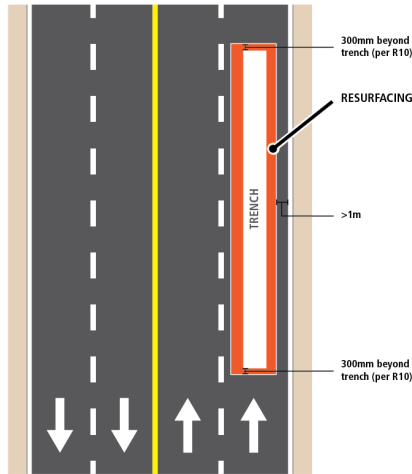
If cut is within wheel path, then wheel path should be included in the resurfacing. If 1m or less from curb, resurfacing should be brought to curb. If cut is 1m from catch basin / iron work, resurfacing should be brought to catch basin / iron work.

Allow for 300mm step key on all sides of permanently repaired cut by R10 Standard Trench Reinstatement in paved surface.



Longitudinal Trenches – Single Lane

Trench located >1m from curbline or construction joint



Reqs

Pavement less than three (3) years old

Pavement older than three (3) years old

Action

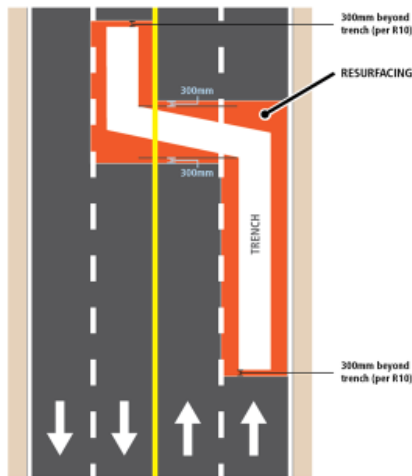
Full lane grind and pave, as in Scenario 1a.

If cut is within wheel path, then wheel path should be included in the resurfacing. If cut is 1m from catch basin / iron work, resurfacing should be brought to catch basin / iron work.

Allow for 300mm step key on all sides of permanently repaired cut by R10 Standard Trench Reinstatement in paved surface.



Longitudinal Trenches – Multiple Lanes



Reqs

Pavement less than three (3) years old

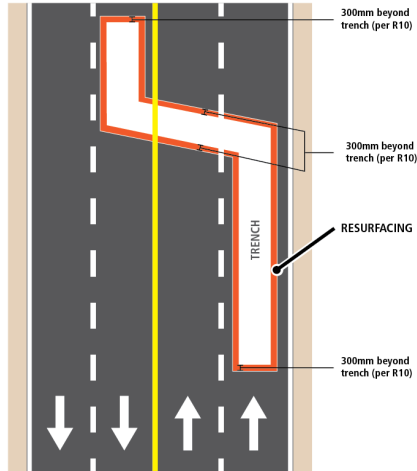
Action

Grind and Pave required as shown in orange must be undertaken by contractor / utility owner.

Cuts that cross the lanes must be squared off. Allow for 300mm step key on all sides of permanently repaired cut by R10 Standard Trench Reinstatement in paved surface.



Longitudinal Trenches – Multiple Lanes



Reqs

Pavement older than three (3) years old

Action

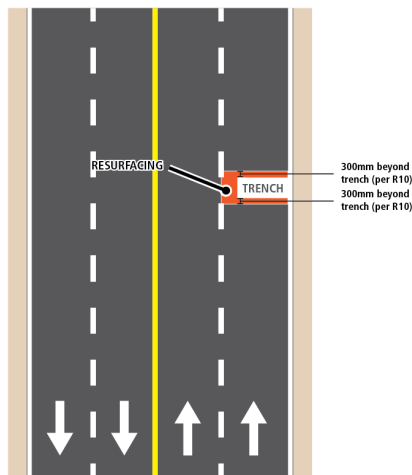
Grind and pave as required by R10 Standard. If cut is within wheel path, then wheel path should be included in the resurfacing. If cut is 1m or less from curb, then grind and pave to curb. If cut is 1m or less from catch basin / iron work, then grind and pave is brought to catch basin / iron works.

Allow for 300mm step key on all sides of permanently repaired cut by R10 Standard Trench Reinstatement in paved surface.



Single Transverse Cuts – Single Lane

A single transverse cut contained within one lane



Reqs

Pavement less than three (3) years old

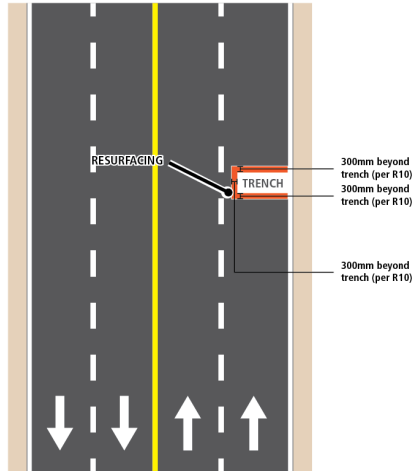
Action

Full lane and/or centreline grind and pave with key step as per R10 Standard on each side of the cut.



Single Transverse Cuts – Single Lane

A single transverse cut contained within one lane



Reqs

Pavement older than three (3) years old

Action

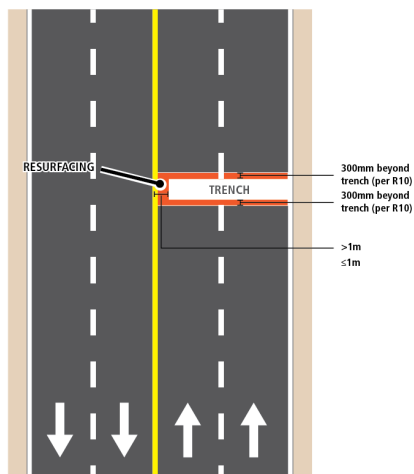
R10 Standards apply. If cut is 1m or less from catch basin / iron works, then grind and pave is brought to catch basin / iron works. If cut is within wheel path, then wheel path should be included in the resurfacing.

Allow for 300mm step key on all sides of permanently repaired cut by R10 Standard Trench Reinstatement in paved surface.



Single Transverse Cuts – Multiple Lanes

A single transverse cut expanding to more than one lane



Reqs

Pavement less than three (3) years old

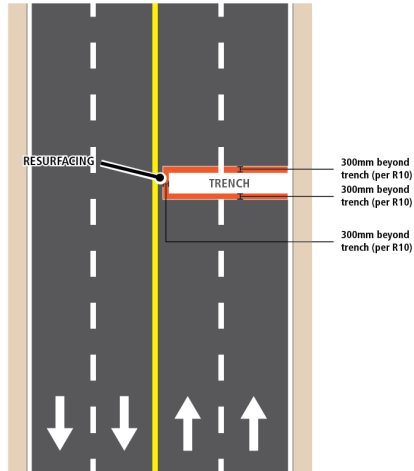
Action

Permanent repair of trench will include area affected by cut, provided the cut is >1m from a Construction Joint. Otherwise, if the cut is ≤1m, the resurfacing will be from the curb to the Construction Joint. If the Construction Joint is beyond the centreline, the cut will be extended to the curb or centreline.



Single Transverse Cuts – Multiple Lanes

A single transverse cut expanding to more than one lane



Reqs

Pavement older than three (3) years old

Action

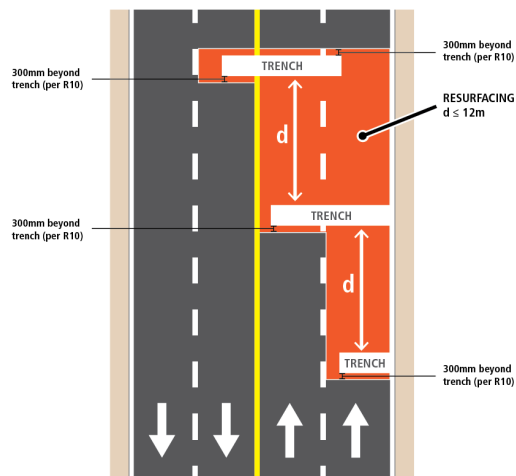
Grind and pave of cut as R10 Standard. If the cut is in proximity of wheel path and less than 1m from catch basin / iron works, then the the grind and pave should extend to include wheel path and catch basin / iron works.

Allow for 300mm step key on all sides of permanently repaired cut by R10 Standard Trench Reinstatement in paved surface.



Multiple Transverse Cuts – Multiple Lanes

Multiple transverse cuts expanding more than one lane



Action

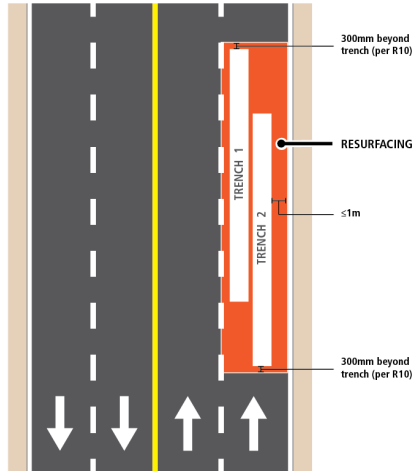
If $d \leq 12m$, continuous resurfacing

If $d > 12m$, separate resurfacing

In both situations, allow for 300mm on either side of the trench as shown.



Multiple Cuts in One Lane

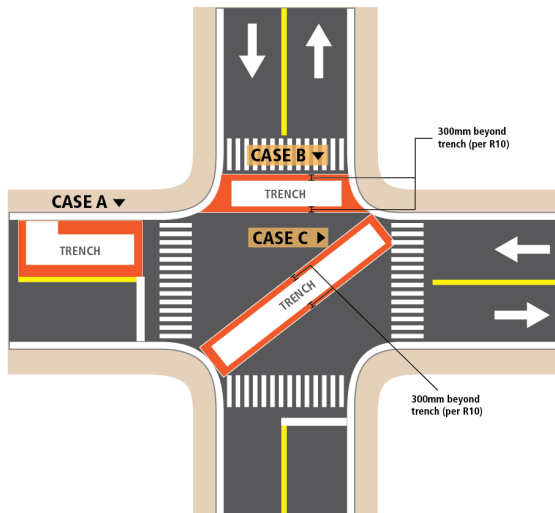


Action

Grind and pave will be applied 300mm from both ends of either trenches.



Miscellaneous Cuts



Action

Case A: Treat as Scenarios 1a and 1b. Permanent resurfacing will be required to be squared off.

Case B: Permanent repair trench will include area affected by the cut at all sides. If cut is 1m or less from Construction Joint / catch basin / iron works, then grind and pave is brought to Construction Joint / catch basin / iron works.

Case C: R10 Standards apply. If cut is 1m or less from Construction Joint / catch basin / iron works, then the resurfacing is brought to catch basin / iron works.

