

Notes:

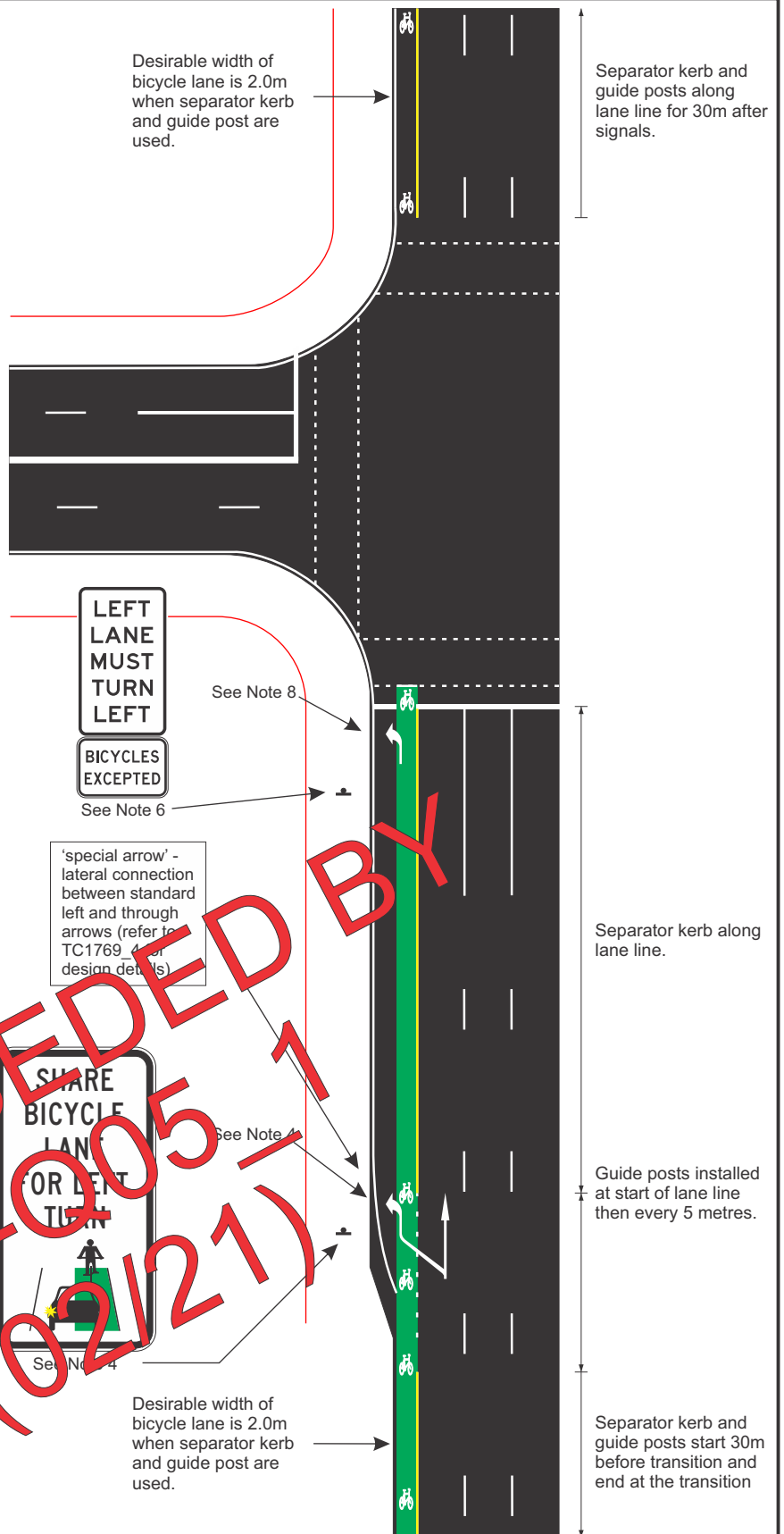
1. Bicycle lane within left turn lane to be marked at 2.0m wide within maximum 3.3m left turn lane.
2. Separator kerb and guide posts should be used along lane lines as shown in the diagram.
3. Bicycle Pavement Symbols to be provided at 5.0m intervals through the transition area. Additional intermediate symbols to be applied at spacings greater than 50m.
4. Only one special arrow should be located towards the end of the taper entry into the auxiliary turn lane.
5. The "Share Bicycle Lane For Left Turn" signs TC1769_5 must be installed adjacent to the first special arrow where indicated. For special arrow details see TC1769_4.
6. R2-9(L) with R9-3 "Bicycle Excepted" sign is required to allow cyclists to continue in this lane across the intersection.
7. All markings to be installed with a high skid resistance material (e.g. calcine bauxite).
8. Left turn arrow to be installed 6 metres from stop line.
9. Transport & Main Roads shall be notified of locations where this treatment is implemented.

Please email the following details to:

TrafficEngineering.support@tmr.qld.gov.au:

- Cross road names
- Installation date
- Left turn traffic volume
- Bicycle volume (actual or estimated, please indicate which).

Receipt of this information does not infer that any kind of checking, endorsement or certification will be performed by the Traffic Engineering and Data unit. Information collected will be used to monitor and evaluate the long-term safety and effectiveness of the treatment.



**Queensland
Government**

RETROFIT BICYCLE LANE IN A LEFT TURN LANE "SIGNALISED INTERSECTION"

Department of Transport and Main Roads
Infrastructure Management & Delivery Division

APPROVED AS OFFICIAL TRAFFIC SIGN

TC1769_1

Designed
TV 08/09

Checked
DJ 02/19

Scale
Not to Scale

PRINCIPAL ENGINEER
(Traffic Engineering)

22/05/19
Date

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Notes:

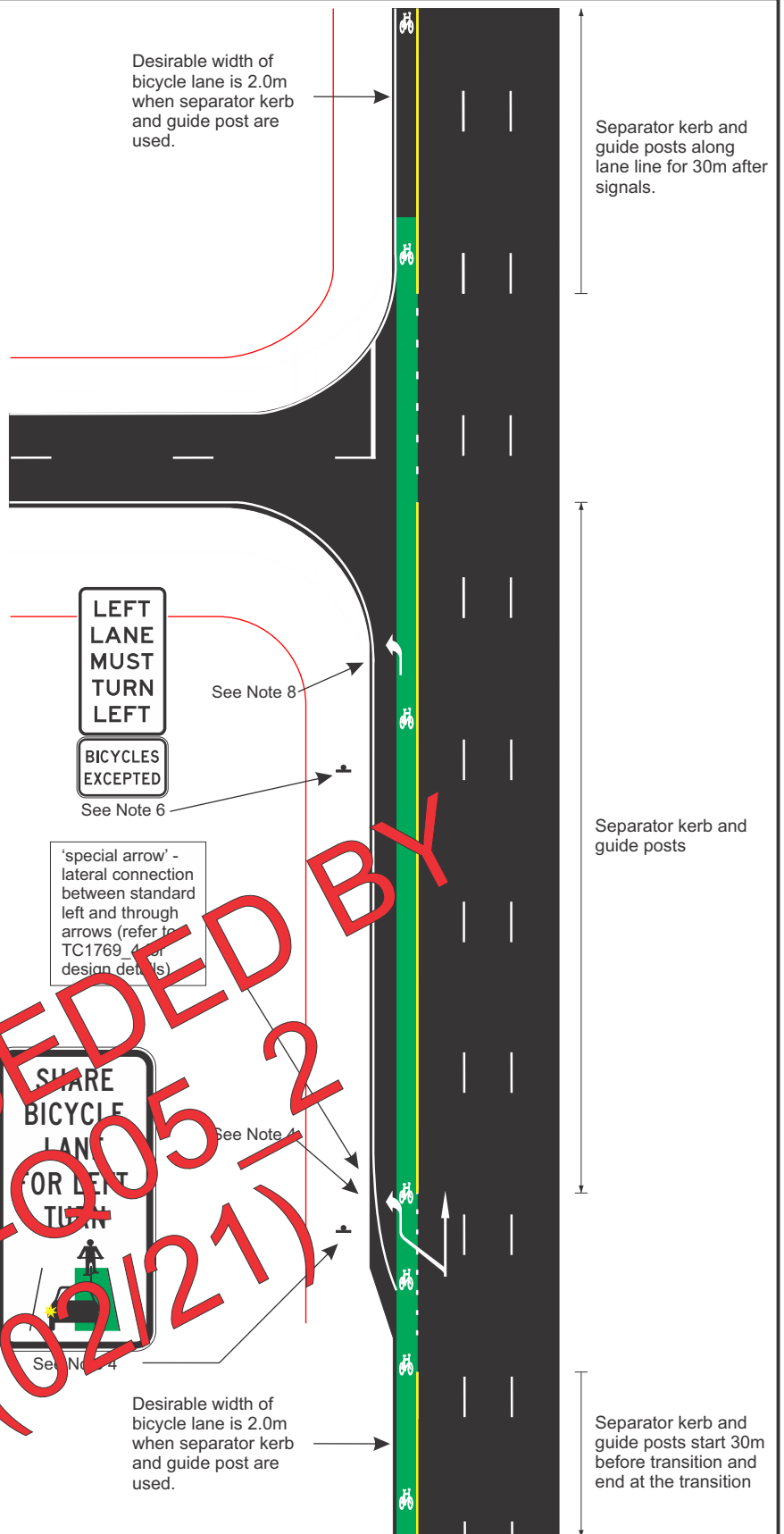
1. Bicycle lane within left turn lane to be marked at 2.0m wide within maximum 3.3m left turn lane.
2. Separator kerb and guide posts should be used along lane lines as shown in the diagram.
3. Bicycle Pavement Symbols to be provided at 5.0m intervals through the transition area. Additional intermediate symbols to be applied at spacings greater than 50m.
4. Only one special arrow should be located towards the end of the taper entry into the auxiliary turn lane.
5. The "Share Bicycle Lane For Left Turn" signs TC1769_5 must be installed adjacent to the first special arrow where indicated. For special arrow details see TC1769_4.
6. R2-9(L) with R9-3 "Bicycle Excepted" sign is required to allow cyclists to continue in this lane across the intersection.
7. All markings to be installed with a high skid resistance material (e.g. calcine bauxite).
8. Left turn arrow to be installed 6 metres before side road tangent point.
9. Left lane turn arrow to be installed immediately prior to the edge line turning point.
10. Transport & Main Roads shall be notified of locations where this treatment is implemented.

Please email the following details to:

TrafficEngineering.support@tmr.qld.gov.au:

- ✓ Cross road names
- ✓ Installation date
- ✓ Left turn traffic volume
- ✓ Bicycle volume (actual or estimated, please indicate which).

Receipt of this information does not infer that any kind of check or endorsement or certification will be performed by the Traffic Engineering and Data Unit. Information collected will be used to monitor and evaluate the long term safety and effectiveness of the treatment.



**Queensland
Government**

RETROFIT BICYCLE LANE IN A LEFT TURN LANE "UNSIGNALISED INTERSECTION"

Department of Transport and Main Roads
Infrastructure Management & Delivery Division

APPROVED AS OFFICIAL TRAFFIC SIGN

TC1769_2

Designed
TV 08/09

Checked
DJ 02/19

Scale
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PRINCIPAL ENGINEER
(Traffic Engineering)

22/05/19
Date

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Notes:

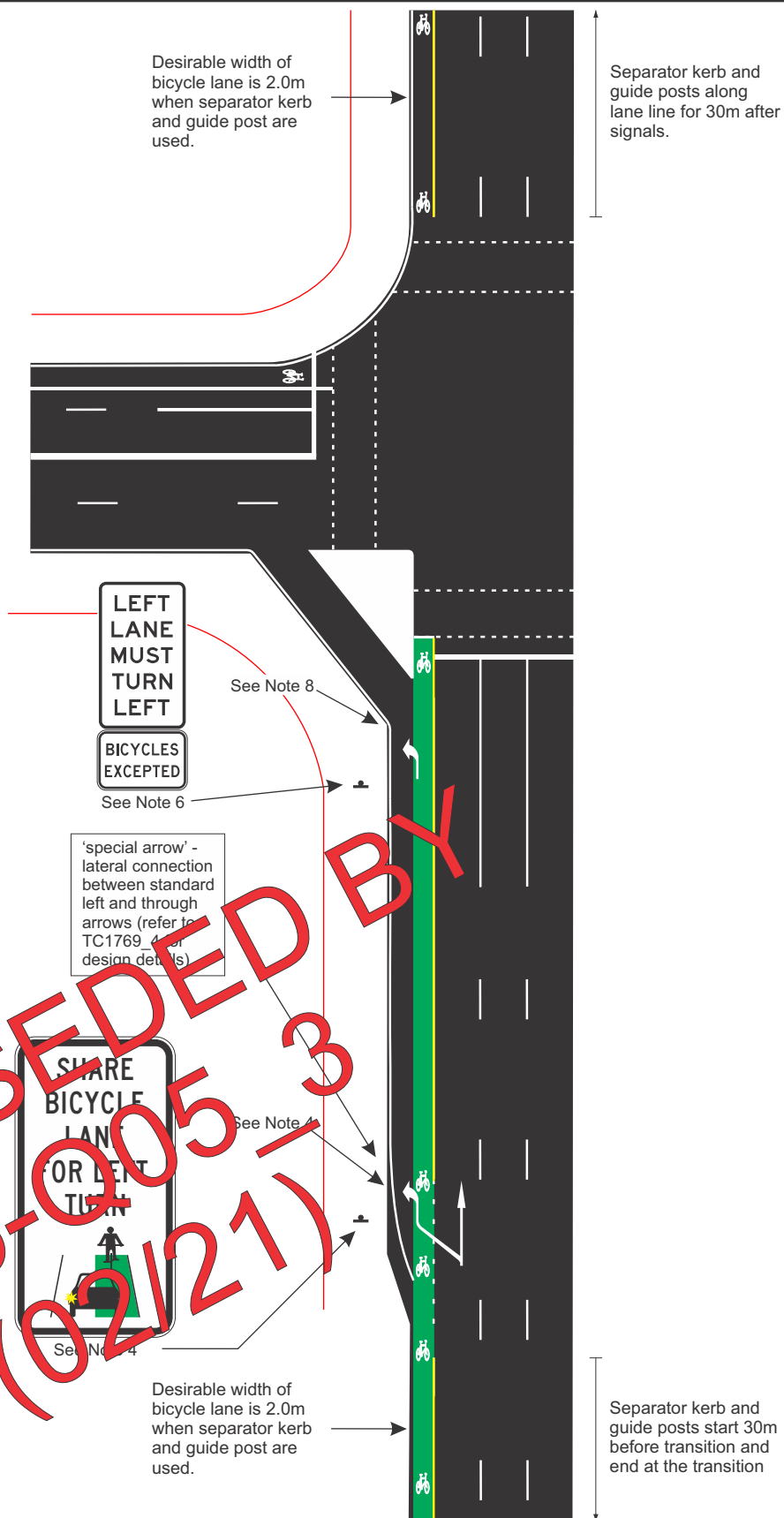
1. Bicycle lane within left turn lane to be marked at 2.0m wide within maximum 3.3m left turn lane.
2. Separator kerb and guide posts should be used along lane lines as shown in the diagram.
3. Bicycle Pavement Symbols to be provided at 5.0m intervals through the transition area. Additional intermediate symbols to be applied at spacings greater than 50m.
4. Only one special arrow should be located towards the end of the taper entry into the auxiliary turn lane.
5. The "Share Bicycle Lane For Left Turn" signs TC1769_5 must be installed adjacent to the first special arrow where indicated. For special arrow details see TC1769_4.
6. R2-9(L) with R9-3 "Bicycle Excepted" sign is required to allow cyclists to continue in this lane across the intersection.
7. All markings to be installed with a high skid resistance material (e.g. calcine bauxite).
8. Left turn arrow to be installed 6 metres from stop line or immediately prior to the start of the slip lane island treatment.
9. Transport & Main Roads shall be notified of locations where this treatment is implemented.

Please email the following details to:

TrafficEngineering.support@tmr.qld.gov.au:

- ✓ Cross road names
- ✓ Installation date
- ✓ Left turn traffic volume
- ✓ Bicycle volume (actual or estimated, please indicate which).

Receipt of this information does not infer that any kind of checking, endorsement or certification will be performed by the Traffic Engineering and Data unit. Information collected will be used to monitor and evaluate the long term safety and effectiveness of the treatment.



**Queensland
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RETROFIT BICYCLE LANE IN A LEFT TURN LANE "SIGNALISED INTERSECTION WITH SLIPLANE"

Department of Transport and Main Roads
Infrastructure Management & Delivery Division

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TC1769_3

Designed
TV 08/09

Checked
DJ 02/19

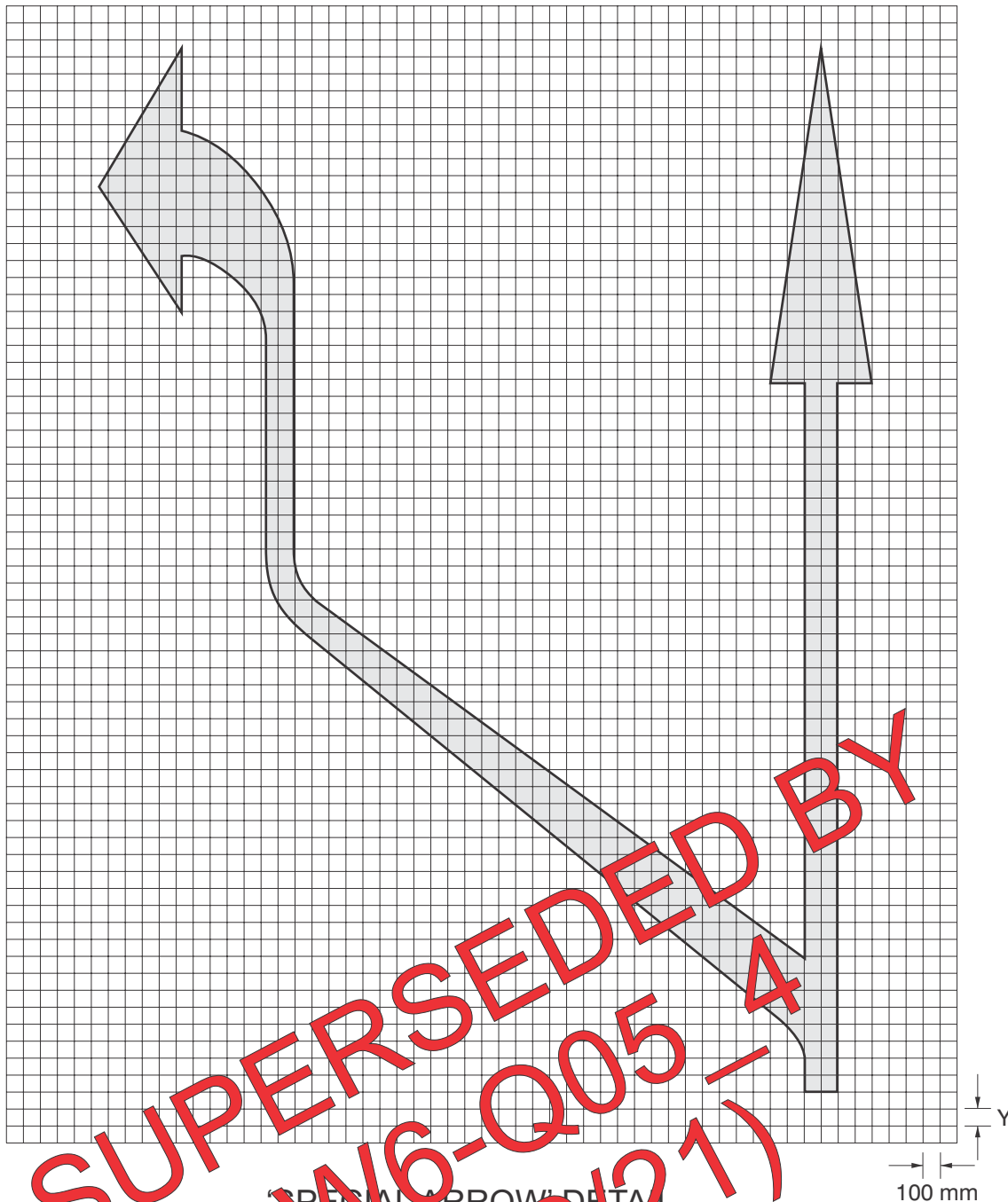
Scale
Not to Scale

[Signature]
PRINCIPAL ENGINEER
(Traffic Engineering)

22/05/19
Date

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F G H I



Note: Minimum length of arrow = 6 m

$$Y = \frac{\text{length of arrow (mm)}}{60}$$



**Queensland
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RETROFIT BICYCLE LANE IN A LEFT TURN LANE SPECIAL ARROW MARKING

Department of Transport and Main Roads
Infrastructure Management & Delivery Division

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TV 06/09

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DJ 02/19

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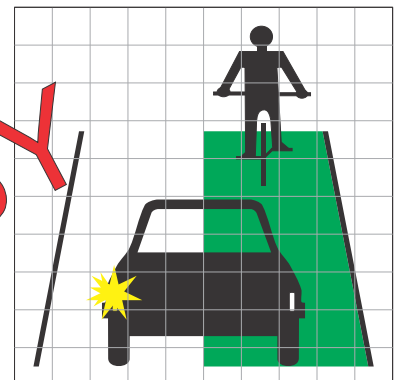
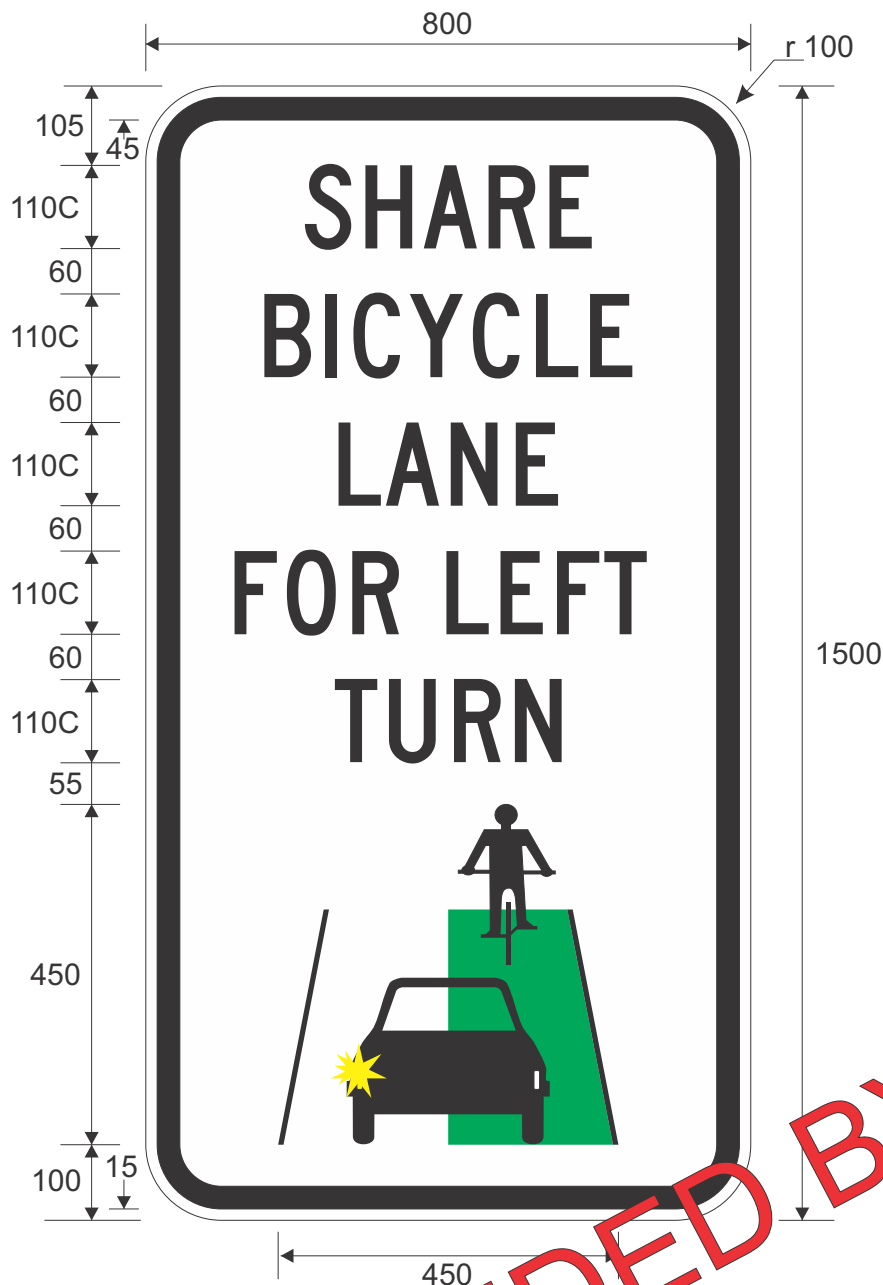
R. King
PRINCIPAL ENGINEER
(Traffic Engineering)

22/05/19
Date

TC1769_4

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F G H I



Colour Legend

- Black
- Retroreflective green
- Retroreflective yellow
- Retroreflective white

Notes:

1. This sign and associated special pavement markings must be used where a left-turn auxiliary lane and bike lane are to "share" the same area of pavement.
2. This sign must be used in conjunction with and adjacent to the first "special arrow" line marking as shown in TC1769_1, TC1769_2 and TC1769_3.



**Queensland
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Department of Transport and Main Roads
Infrastructure Management & Delivery Division

Designed
TV 08/09

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RETROFIT BICYCLE LANE IN A LEFT TURN LANE "SHARE BICYCLE LANE FOR LEFT TURN"

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[Signature]
PRINCIPAL ENGINEER
(Traffic Engineering)

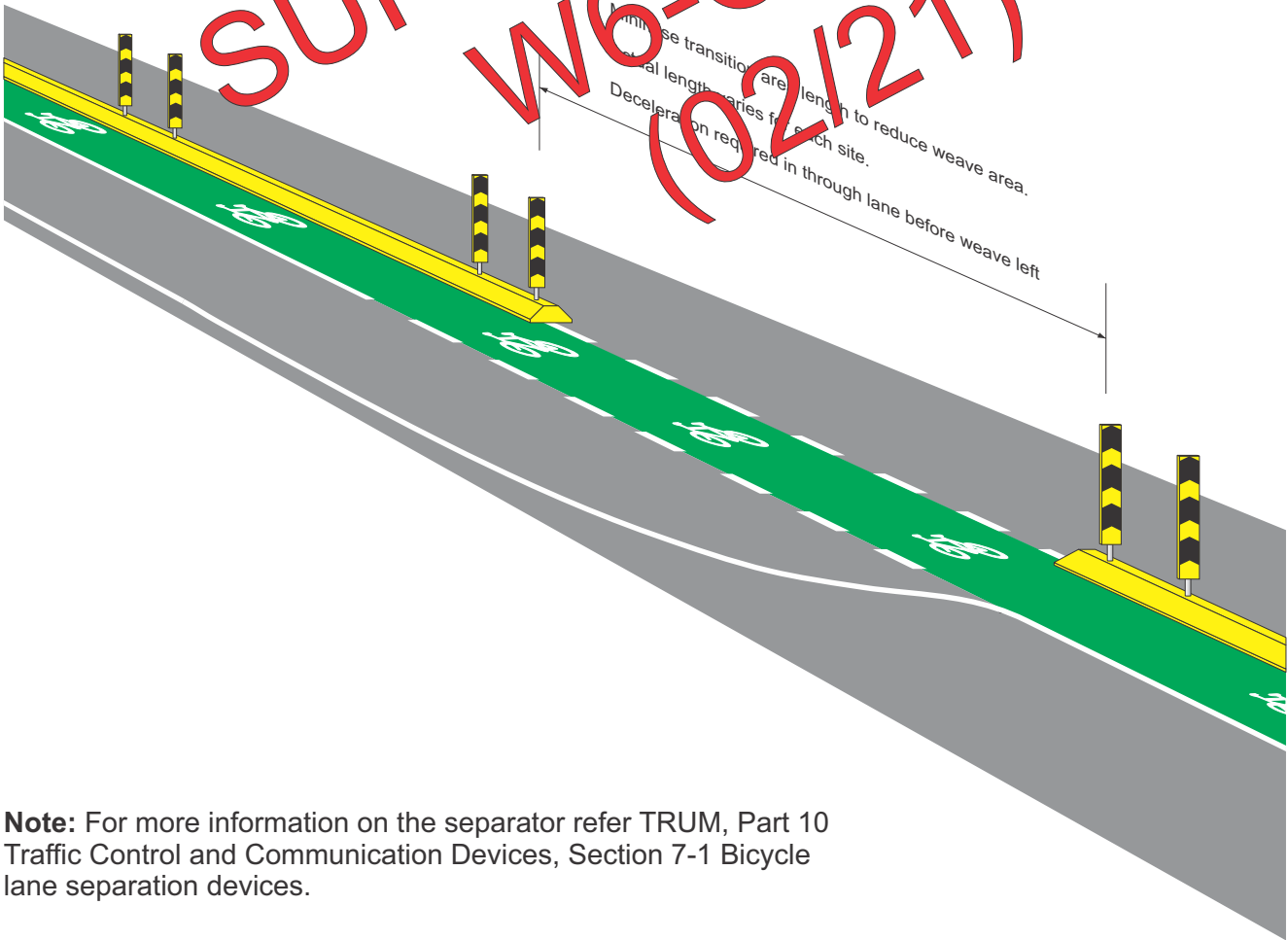
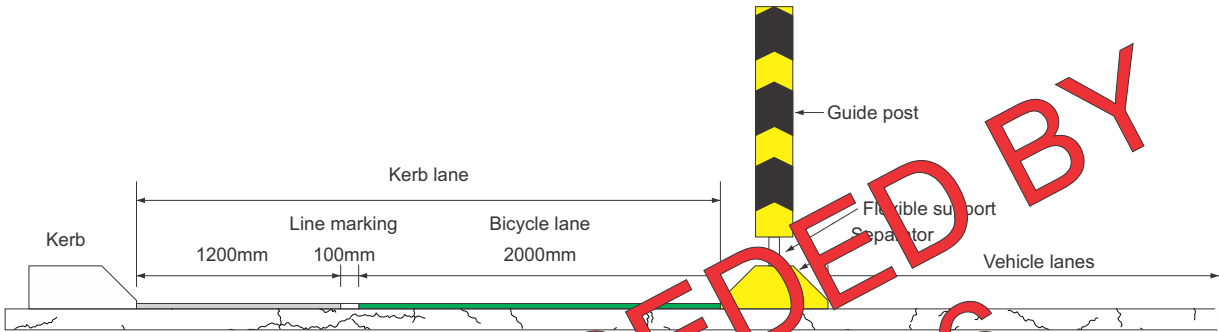
22/05/19
Date

TC1769_5

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Bicycle Lane Separation



Note: For more information on the separator refer TRUM, Part 10 Traffic Control and Communication Devices, Section 7-1 Bicycle lane separation devices.



Queensland
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Department of Transport and Main Roads
Infrastructure Management & Delivery Division

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TV 09/15

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DJ 02/19

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LANE SEPARATION
DETAILS

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PRINCIPAL ENGINEER
(Traffic Engineering)

22/05/19
Date

TC1769_6
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