Technical Note

Artwork on Roads
Artwork on roads

AMENDMENT RECORD

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<td>Draft (Prep by E Winkler)</td>
<td>EKW</td>
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[Signature]

Manager, Technical Services
11 / 7 / 2016

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Email: dpti.tassadminsupport@sa.gov.au
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1. Scope

The purpose of this technical note is to provide information to assist in the best practice guidance for the installation of artwork on roads with a speed limit of 60km/h or less. Roads with a speed limit greater than this are not to be decorated\(^1\).

Previous to this Technical Note there was no guide on the best method to install artworks, or the specification for the paint or application thereof in South Australia. This lack of guidance has resulted in the installation of artwork on roads with relatively ad hoc specifications applied for these installations.

1.1 Background

The Government is continuing to work to create streets that are more people friendly and safer for all South Australian communities.

People friendly streets and safer roads are characterised by lower vehicle travel speeds, pleasant and convenient routes, and facilities and infrastructure that consider the needs of all community members.

Creating such environments will encourage safer and more active travel options, particularly when accompanied by programs that influence behaviour and travel choices.

The Department is supportive of innovative road treatments and non-traditional solutions, such as the implementation of artwork on roads, to help allay road safety concerns. By highlighting to motorists that they are entering into a different environment, they may be more alert to the surroundings and slow down.

To date the Safer Travel and Behaviour Change Section, through the Living Neighbourhoods program, has worked with the community and local council to test the effectiveness of decorative murals on local roads with successful results.

Introducing best practise guide for implementing artwork on roads will help the Department and its stakeholders to consider these innovative solutions as possible place-making treatment to promote road safety on local roads.

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\(^1\) Refer to “Manual of Legal Responsibilities and Technical Requirements for Traffic Control Devices – Part 2, Code of Technical Requirements”
1.2 Related Documents

This technical note is to be read in conjunction with the following guidelines/standards:

- Department of Planning Transport and Infrastructure (DPTI) *Manual of Legal Responsibilities and Technical Requirements for Traffic Control Devices*
- DPTI Specification and application procedures for the use of a certified roadmarking paint for murals on a vehicular road surface
- DPTI Pavement Marking Manual
- DPTI Advertising Signs Assessment Guidelines for Road Safety
- DPTI Specification Part R45: Supply of Materials for Pavement Marking
- DPTI Technical Services Group Technical Note No. 24 Road Surface Friction (Skid Resistance & Pavement Texture) Recommended Investigatory Levels
- DPTI SA Standards for Workzone Traffic Management 2014
- Austroads Guide to Asset Management Part 5F: Skid Resistance

2. Community Involvement

Programs offered by the Department's Safer Travel and Behaviour Change Section have a strong community focus whereby community members work with DPTI and council to identify local road safety issues so that cost effective and innovative solutions can be developed and implemented to address these concerns.

Through the Living Neighbourhoods program the Department has engaged the local community, including residents, organisations and schools, to contribute to the implementation of artwork on road solutions. This not only involves working with the community to identify road safety issues but also includes the community playing a role in the design process or by taking part in the implementation of the road mural(s).
3. Road Requirements

Roads fulfil a crucial function in society, providing increased mobility for people, goods and services. Good road surfaces offer many benefits, including cost efficiency, safety, reduction in noise pollution and comfort. Asphalt surfaces provide a free draining surface which also has good skid resistance.

3.1 Skid Resistance

Prior to installation of an artwork, the road surface shall be tested to determine its skid resistance.

If testing indicates that the pavement is due for maintenance, which when undertaken would cover or remove the artwork, it is recommended that the artwork wait until the maintenance work was completed.

Preliminary tests have shown that artwork paint with quartz can increase the skid resistance by up to about 20%.

The road with new artwork must be tested for skid resistance within seven (7) days of application. If the skid resistance does not satisfy the skid resistance investigatory levels recommended in Technical Note 24, then measures must be put in place to reduce further risk, such as warning signage, traffic calming devices or removal of non-compliant artwork.

Further skid resistance testing may be requesting by DPTI at any time after installation. Skid resistance testing is available from DPTI, via the following contact details: Testing Officer, DPTI, telephone 8260 0588.

The cost of all testing is to be negotiated between the road owner and the applicant.
4. Artwork Requirements

Artwork may be used as an innovative road treatment and non-traditional solution by highlighting to motorists that they are entering into a different environment, they may be more alert to the surroundings and more likely to slow down.

Artwork must be developed in line with this Technical Note and must not create a significant distraction to all road users or pose a physical obstruction to traffic and pedestrian movements.

Where possible, the artwork should be associated with the land use adjacent to the road on which the artwork is being applied.

4.1 Design and Location

The artwork shall be located so as to not adversely affect the safety of all road users and that road user guidance is not confused. Any legally required road markings must not be compromised.

Murals should be located so as to not interfere or cause confusion with the safe operation of intersections, junctions and median openings.

Artworks should not be located on or near sharp bends or crests

Artwork shall not contain any features that could be confused for traffic control devices.

Any lines within the artwork shall not be of a width similar to that of road marking and shall not be aligned in such a way as to infer a path of travel for drivers, cyclists and pedestrians. In particular Artwork shall not be installed that resembles in anyway pedestrian crossings.

Artworks shall not include advertising or include any commercial or company logo.

Artworks shall not contain written messages or content of a salacious, illegal or controversial nature.

The size and orientation of the design shall be such that pedestrian viewing of the art can only be safely undertaken from the footpath (where one is available) or away from the carriageway shoulder.

4.2 Specification

The specification and application of the paint shall be in accordance with DPTI’s “Specification and application procedures for the use of a certified roadmarking paint for murals on a vehicular surface”.
The artwork shall also meet the requirements for Contrasting Pavements as set out in the DPTI Manual of Legal Responsibilities and Technical Requirements for Traffic Control Devices. The artwork design shall be certified by an experienced Traffic Engineer representing the respective road authority to ensure that the installation complies with all requirements of the manual and this policy and is not a potential traffic control device or facsimile.

Further advice regarding which road markings are legally required can be obtained by contacting Technical Services via email at DPTI.TASSAdminSupport@sa.gov.au.

4.3 **Miscellaneous Requirements**

- Lighting shall not be installed to specifically target the mural
- Artworks are to be designed to ensure the potential for distraction is minimised and easily understood by glance appreciation. This is to minimise distraction, be viewed from an appropriate distance and be effortlessly viewed by an approaching driver in advance, to avoid distraction from their primary task of driving.
- Shall not incorporate colours schemes that may interfere with traffic signals
- Installation and placement of artwork should take into consideration the history of crashes at the location proposed.

5. **Endorsement**

Where the Department is involved in the funding of the artwork, the attached form shall be forwarded to Technical Services for endorsement.

Endorsement is not required where DPTI has no financial involvement.
APPENDIX A

Artwork on Road Endorsement Form
ARTWORK ON ROADS
APPLICATION FORM

General principles

- The purpose of this form is for the approval for the application of decorative artwork/murals on local roads.
- This form must be read in conjunction with DPTI Technical Note – “Artwork on Roads”
- This form can be expanded to multiple pages to cover any discussions involved and attachments required.

<table>
<thead>
<tr>
<th>PROJECT:</th>
<th>Project name / location</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRAWINGS / ATTACHMENTS:</td>
<td>List drawings or attachments</td>
</tr>
<tr>
<td>COUNCIL:</td>
<td>Enter the name of the Council where the proposed change is located.</td>
</tr>
<tr>
<td>ROAD AUTHORITY:</td>
<td>Enter the name of the road authority if different from Council</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>Identify the location of the proposal, e.g. street name(s), area, suburb / town, latitude / longitude</td>
</tr>
<tr>
<td>BACKGROUND</td>
<td>Provide all relevant information on the project, most importantly the reasons for initiating the changes</td>
</tr>
<tr>
<td>PROPOSAL</td>
<td>Description of what is planned and why it is proposed. If other traffic control options were considered, identify why the proposed option was chosen and others were rejected.</td>
</tr>
<tr>
<td>CONFORMANCE</td>
<td>Provide evidence of conformance with the DPTI 'Specification and application procedures for the use of a certified roadmarking paint for murals on a vehicular road surface' regarding road paint.</td>
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**ENDORSEMENT BY EXPERIENCED TRAFFIC ENGINEERING PRACTITIONER**

Name:

Title/Position:

Signature: Date:

**ENDORSEMENT BY MANAGER TECHNICAL SERVICES, DPTI**

Name:

Signature: Date: