




G9-21-1

Typical set up example

Colour Legend

	Retroreflective white
	Black
	Yellow flashing lights

Notes

1. This LED warning light panel shall be used in conjunction with advanced guide sign G9-21-1 when particular attention will be required to notify the possibility of the road ahead being subject to flooding.
2. The conspicuity devices (flashing lights) shall meet the requirements of AS2144 for 200mm diameter signal lanterns.
3. Stiffener rails used on the light panel should be "Type 1" and spaced so as not to interfere with light assembly.
4. Flashing light separation is designed to suit 2 x 65 NB posts spaced at 1290mm (non slip base - 1500 mm to underside of sign) or 2 x 80NB posts spaced at 1520mm (slip base - 2200 mm to underside of sign).
5. For the post design example details of non slip and slip base options see page 2 and page 3 respectively.



**Queensland
Government**

ADVANCED WARNING FLOODING WARNING LIGHTS

Department of Transport and Main Roads
Infrastructure Management & Delivery Division

APPROVED AS OFFICIAL TRAFFIC SIGN

23/11/16
Date


PRINCIPAL ENGINEER
(Traffic Engineering)

TC1768

Page 1 of 3

Designed
TV 06/09

Checked
DJ 06/09

Scale
Not to Scale

A	B	C		
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Job : Flood

Section : Lights

Sign Pos : 1

Location Details

Wind Region	Region C
Exposed Terrain	No
Risk Category	Low Impact Risk
Foundation Soil	Firm to Stiff Clay Soil
Side of Road	Left
Distance from carriageway	1000
Road Height	1500

Slope Details

<u>Segment</u>	<u>Length</u>	<u>Height</u>
1	5000	0

Sign Face Details

<u>Detail</u>	<u>Front Lower</u>	<u>Front Upper</u>
Sign Code	11	12
Sign Width	2150	2150
Sign Depth	800	400
Legend Class	Various	Various
Legend Colour	Various	Various
Background Class	Various	Various
Background Colour	White	Brown
Sign Separation	0	0

Sign Stiffener Details

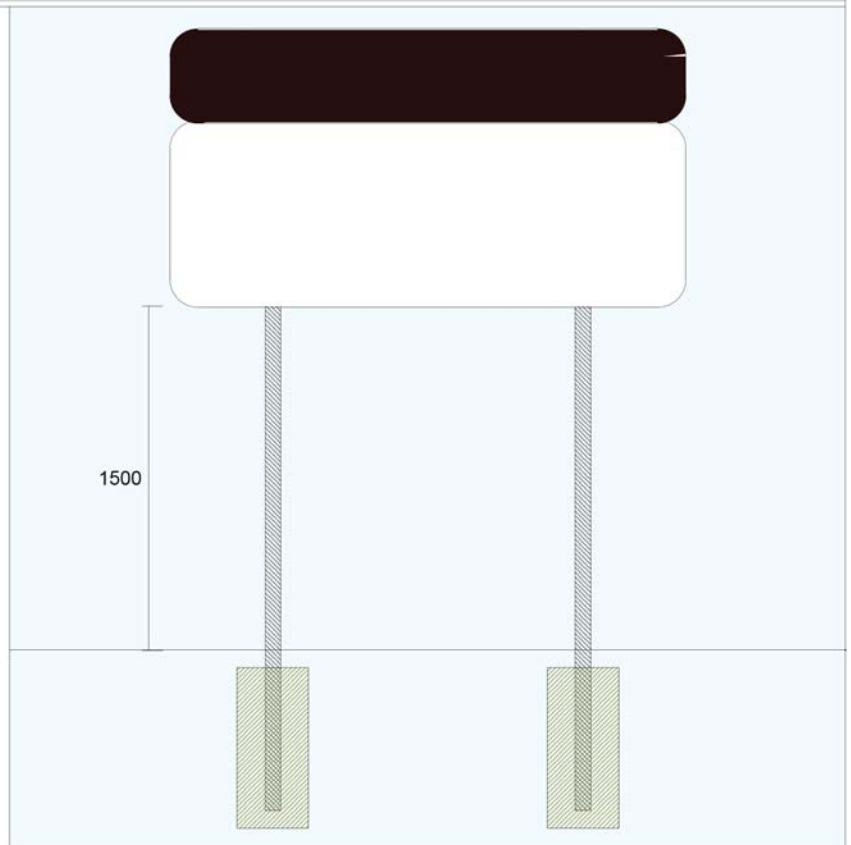
<u>Detail</u>	<u>Front Lower</u>	<u>Front Upper</u>
Stiffener Type	1	1
Number of Stiffeners	3	2
Stiffener Spacing	375	350
Number of Brackets	6	4

CHS Steel Design DetailsSupport Details

Number	2
Spacing	1290, Standard
Kerb Post Length	3400
Post 2 Length	3400
Post 3 Length	0
Post 4 Length	0
Stub Length	0
Post Dimensions	65 NB
Post Wall Thickness	3.2
Post Grade	C350
Slip Base Required	No

Footing Details

Diameter of Hole	300
Depth of Hole	700



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ADVANCED WARNING SUPPORT DESIGNS - NON SLIP BASE

Department of Transport and Main Roads
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Page 2 of 3

Designed
TV 06/09

Checked
DJ 06/09

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A B C

Job : Flood

Section : Lights

Sign Pos : 2

Location Details

Wind Region	Region C
Exposed Terrain	No
Risk Category	High Impact Risk
Foundation Soil	Firm to Stiff Clay Soil
Side of Road	Left
Distance from carriageway	1000
Road Height	2200

Slope Details

<u>Segment</u>	<u>Length</u>	<u>Height</u>
1	5000	0

Sign Face Details

<u>Detail</u>	<u>Front Lower</u>	<u>Front Upper</u>
Sign Code	11	12
Sign Width	2150	2150
Sign Depth	800	400
Legend Class	Various	Various
Legend Colour	Various	Various
Background Class	Various	Various
Background Colour	White	Brown
Sign Separation	0	0

Sign Stiffener Details

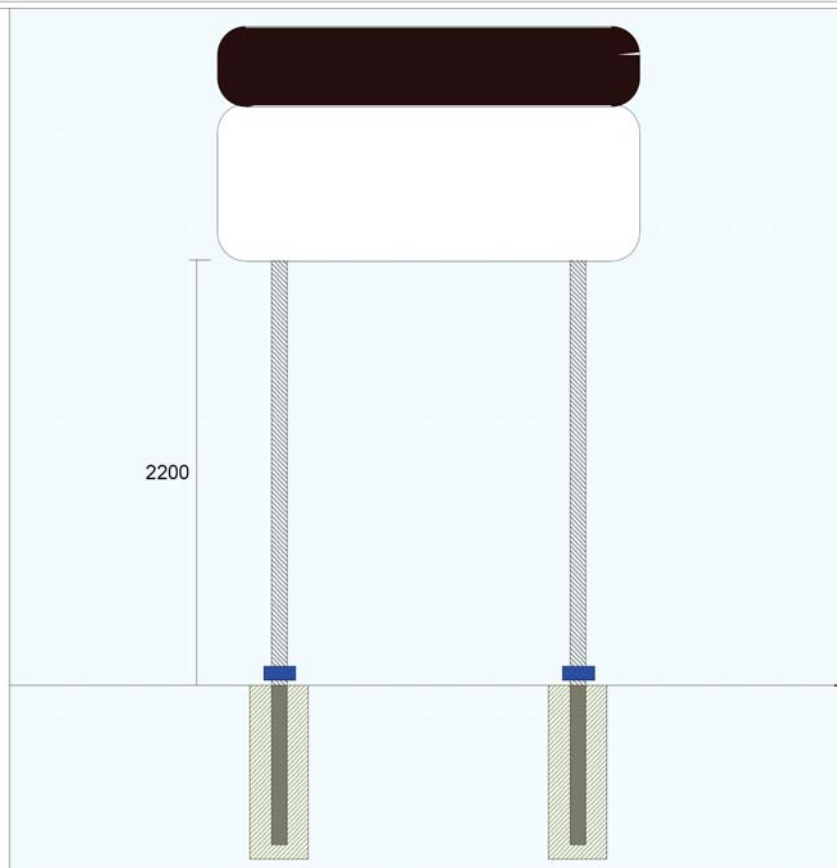
<u>Detail</u>	<u>Front Lower</u>	<u>Front Upper</u>
Stiffener Type	1	1
Number of Stiffeners	3	2
Stiffener Spacing	375	350
Number of Brackets	6	4

CHS Steel Design DetailsSupport Details

Number	2
Spacing	1520, Variable
Kerb Post Length	3400
Post 2 Length	3400
Post 3 Length	0
Post 4 Length	0
Stub Length	825
Post Dimensions	80 NB
Post Wall Thickness	3.2
Post Grade	C350
Slip Base Required	Yes

Footing Details

Diameter of Hole	300
Depth of Hole	900



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Page 3 of 3

Designed
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Checked
DJ 06/09

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Not to Scale

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