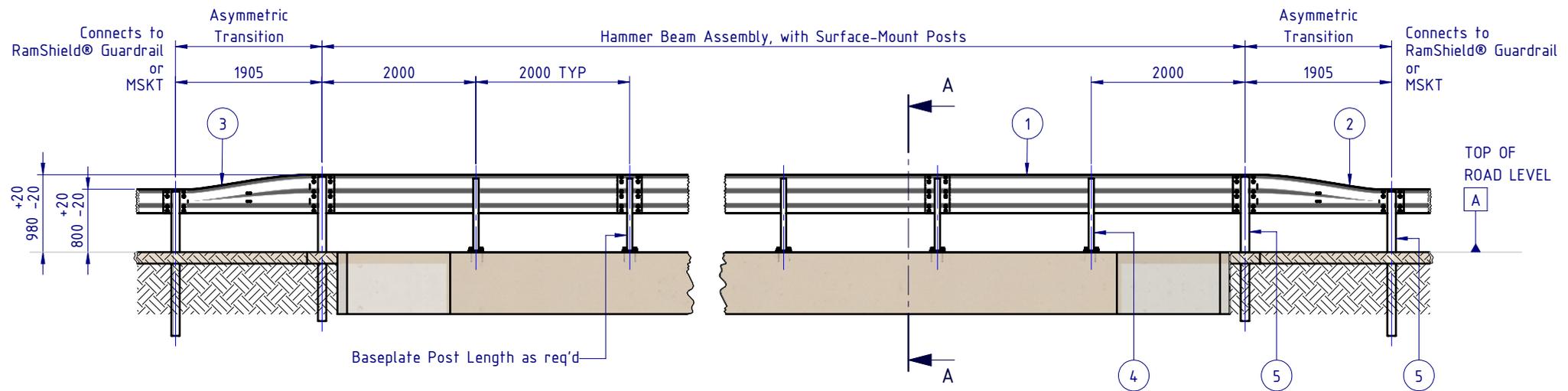


| REVISIONS | | | | |
|-----------|------|-----------------------------|------------|-------|
| REV. | ZONE | DESCRIPTION | DATE | APP'D |
| A | | Original Issue | 11/01/2024 | HW |
| B | | Notes & Annotations Revised | 22/01/2024 | HW |
| C | | Notes & Annotations Revised | 02/02/2024 | HW |



PLAN VIEW

Concrete Culvert
For reference only.



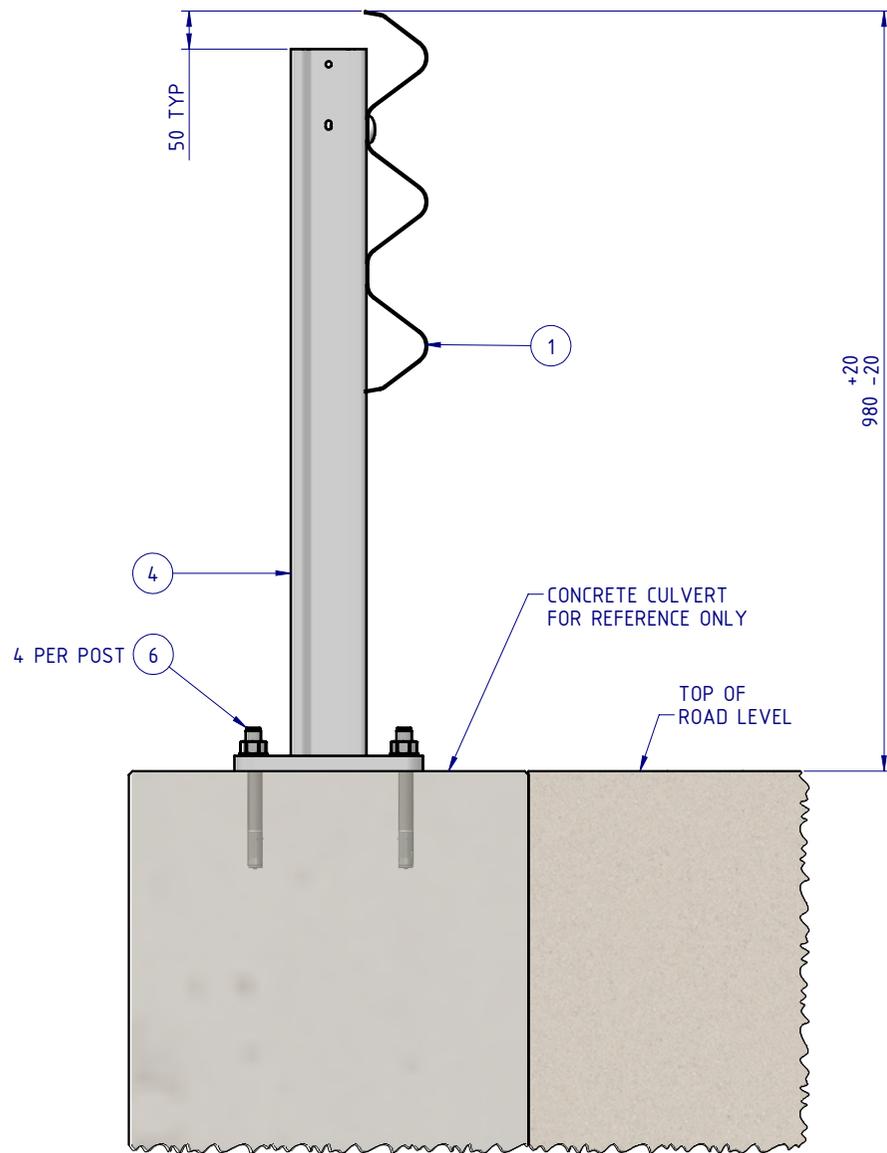
REAR ELEVATION VIEW

Notes:

1. Hammer Beam has been evaluated in accordance with MASH Test Level 3 (2270kg pick-up truck travelling at 100km/h and 25 degrees).
2. Impact assessment has been undertaken with Hammer Beam positioned behind a 200mm high hob.

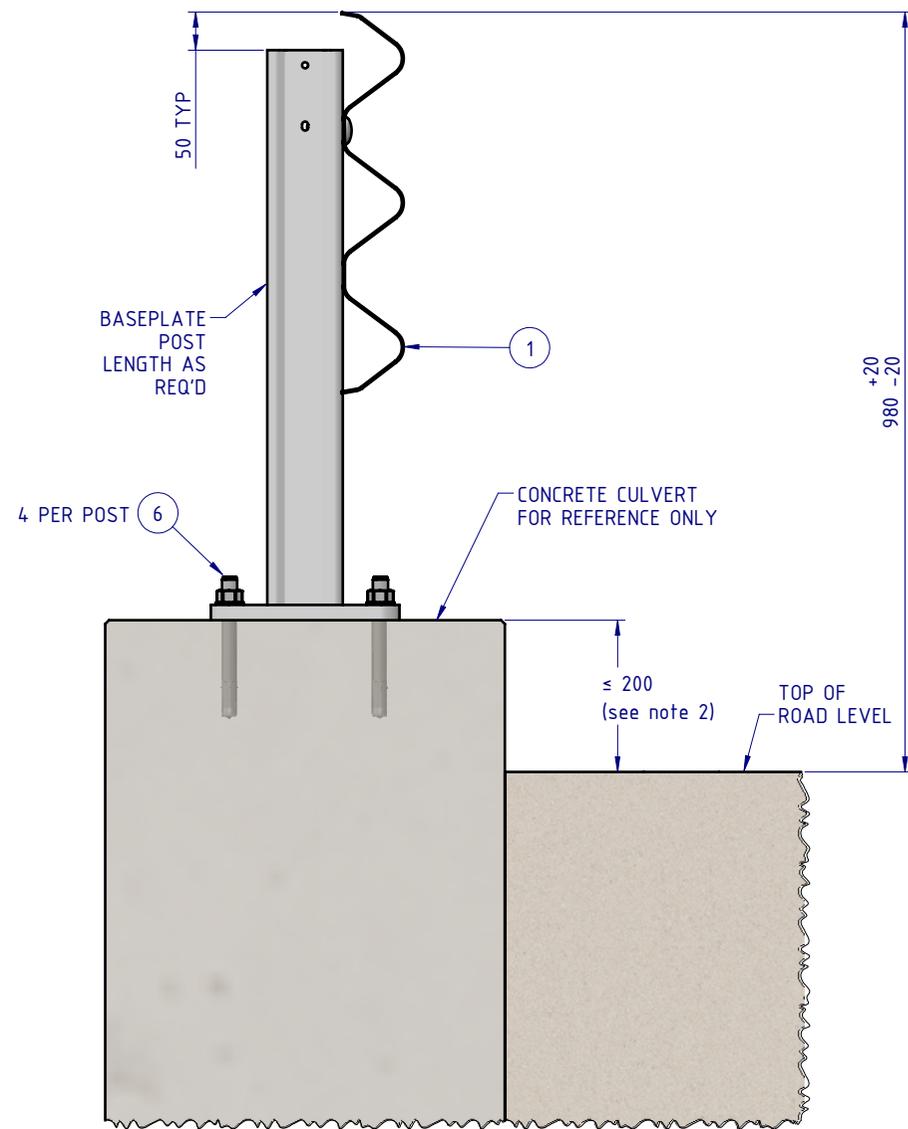
| BOM | | | |
|----------|------------------|--|-----------|
| ITEM NO. | PART NUMBER | DESCRIPTION | Weight kg |
| 1 | GR-TB-SR-4000-AG | Thrie-Beam Guardrail; 2.7mm BMT 4.0m NLL, 2.0m CTRS | 67.0 |
| 2 | GE-TB-SR-1905-AG | Assymetric Approach W-Beam to Thrie-Beam Transition | 36.5 |
| 3 | GE-TB-SR-1905-DG | Assymetric Departure Thrie-Beam to W-Beam Transition | 36.5 |
| 4 | GR-PB-SS-0950-AG | RamShield® Post on Baseplate 950mm | 15.4 |
| 5 | GR-PG-CS-1860-AG | RamShield® High Containment Post 1860mm | 23.9 |
| 6 | GR-FS-20-0187-HG | FISCHER FBN II, M20x187mm | 0.5 |
| 7 | GR-FS-16-0050-MZ | M16x50 Mushroom Head POST Bolt Class 4.6 HDG | 0.1 |
| 8 | GR-FS-16-0000-NG | M16 Hex Nut, Class 5, HDG | 0 |

| | | | | |
|--|--------------|---|---|--|
| MATERIAL: | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Road Barriers - Bridge Barriers Hammer Beam Surface-Mount Posts General Arrangement | |
| FINISH: HOT DIP GALVANISED AS/NZS 4680 | | | DWG NO. SD-RB-03004 | |
| STATUS | NAME | DATE | REVISION: C | |
| DRAWN | W. Refahi | 10/01/2024 | SHEET SIZE: A4 | |
| CHK'D | T. Colquhoun | 11/01/2024 | WEIGHT: 20555.33kg | |
| APPV'D | H. Wallace | 11/01/2024 | SCALE: 1:75 | |
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| U.N.O. TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm | | | SHEET 1 of 4 | |
| STATUS: APPROVED | | | Friday, 2 February 2024 11:06:01 AM | |

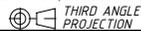


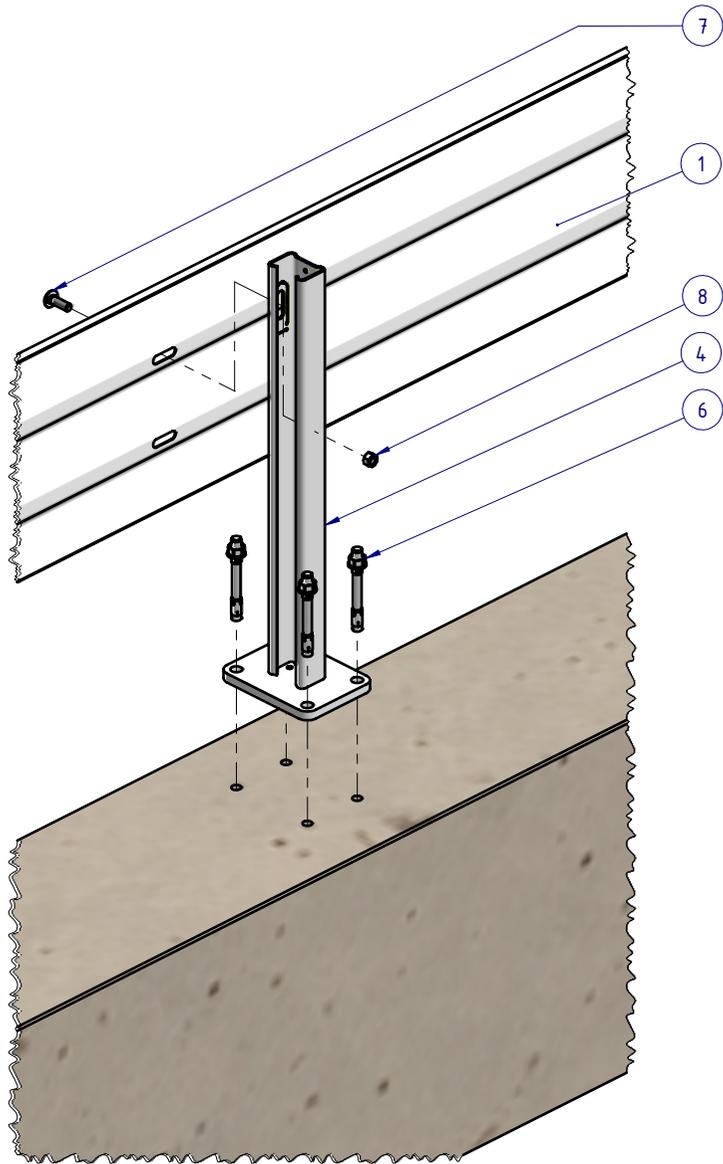
INSTALLATION WITHOUT HOB

SECTION A-A

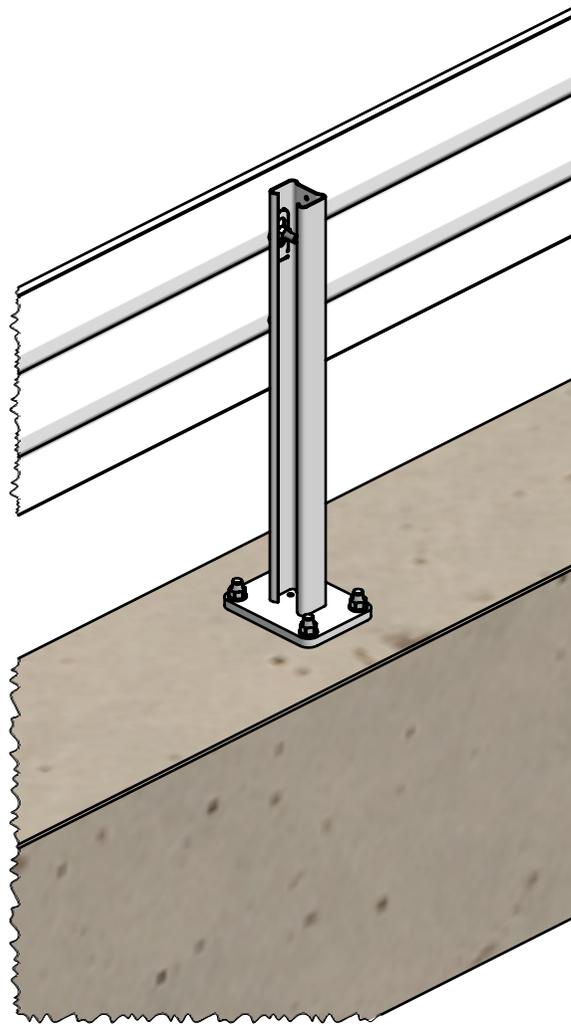


INSTALLATION WITH HOB

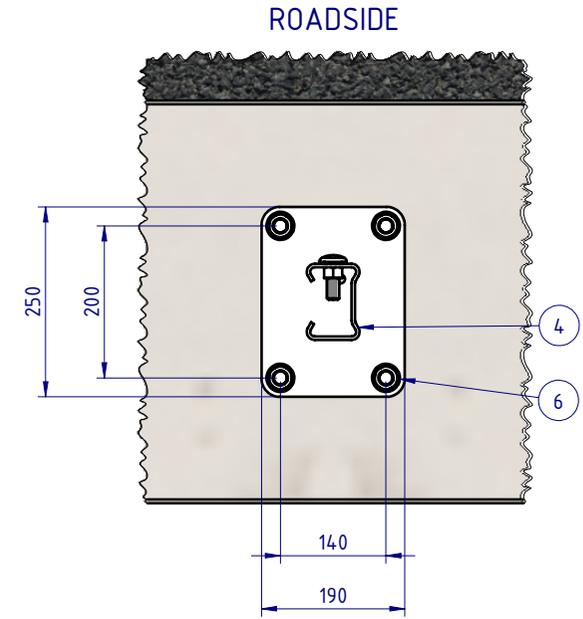
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|---|--------------|------------|--|--|----------------|--|
| MATERIAL: | | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Road Barriers - Bridge Barriers Hammer Beam Surface-Mount Posts General Arrangement | | |
| FINISH: HOT DIP GALVANISED AS/NZS 4680 | | | | ABN: 53 156 459 684 These drawings, plans and specifications and the copyright therein are the properties of Safe Direction Pty Ltd, and must not be used, reproduced or copied wholly or in part without written permission. | | |
| STATUS | NAME | DATE | U.N.O: TOLERANCES: ±1mm ALL DIMENSIONS ARE IN: mm  THIRD ANGLE PROJECTION | | | |
| DRAWN | W. Refahi | 10/01/2024 | | | | |
| CHK'D | T. Colquhoun | 11/01/2024 | | | | |
| APPV'D | H. Wallace | 11/01/2024 | | | | |
| STATUS: APPROVED | | | DWG NO. SD-RB-03004 | REVISION: C | SHEET SIZE: A4 | |
| | | | WEIGHT: 20555.33kg | SCALE: 1:10 | SHEET 2 of 4 | |



HAMMER BEAM SURFACE-MOUNT
EXPLODED VIEW



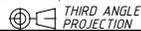
HAMMER BEAM SURFACE-MOUNT
ASSEMBLED VIEW

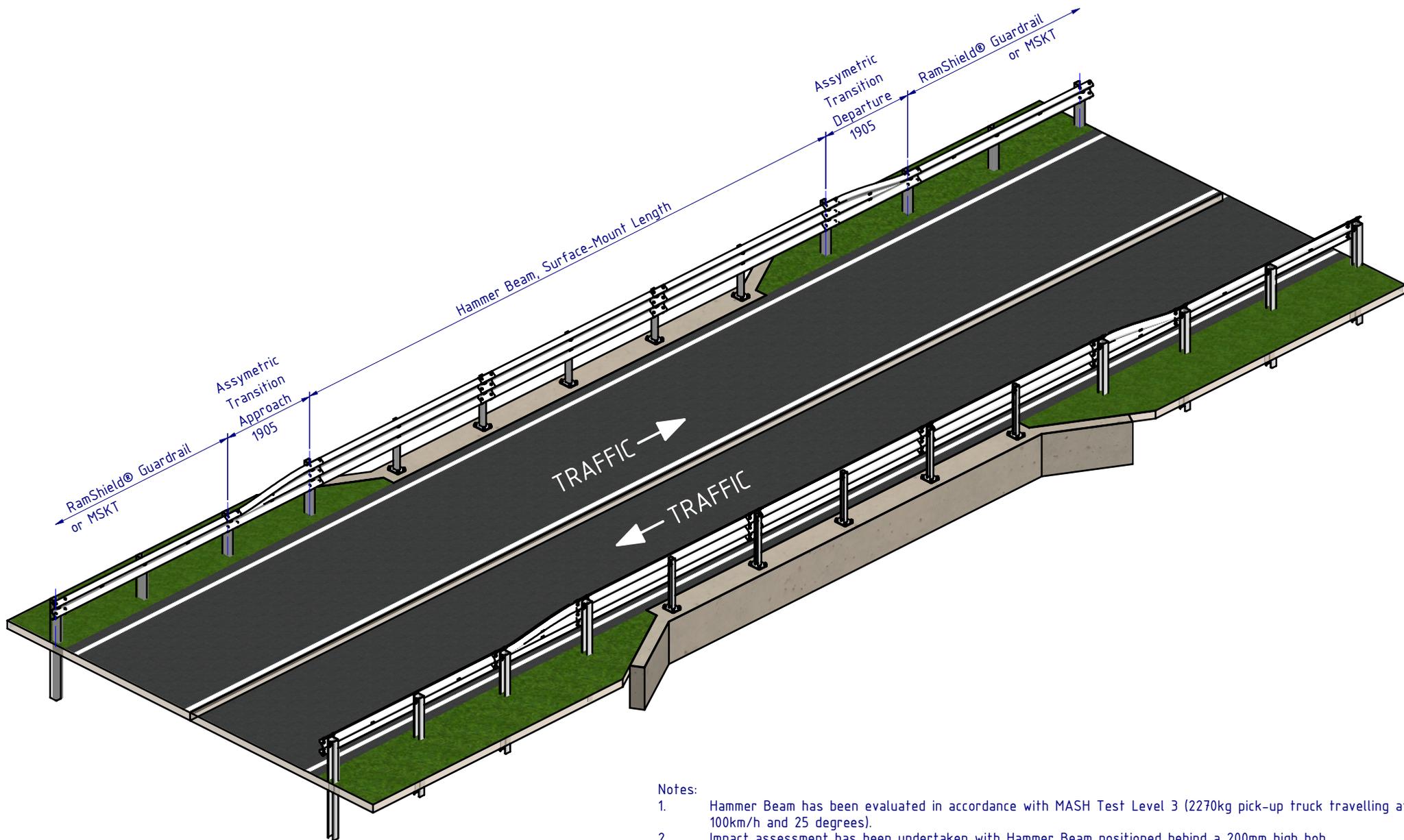


TOP VIEW - SECTION

SCALE 1:10

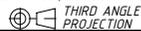
(GUARDRAIL HIDDEN FOR CLARITY)

| | | | | | | | | |
|---|--------------|------------|---|---|--|-------------------------------------|----------------|--------------|
| MATERIAL: | | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Road Barriers - Bridge Barriers Hammer Beam Surface-Mount Posts General Arrangement | | | | |
| FINISH: HOT DIP GALVANISED AS/NZS 4680 | | | | DWG NO. SD-RB-03004 | | | | |
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| DRAWN | W. Refahi | 10/01/2024 | | | | WEIGHT: 20555.33kg | SCALE: 1:15 | SHEET 3 of 4 |
| CHK'D | T. Colquhoun | 11/01/2024 | | | | <small>DO NOT SCALE DRAWING</small> | | |
| APPV'D | H. Wallace | 11/01/2024 | | | | STATUS: APPROVED | | |



Notes:

1. Hammer Beam has been evaluated in accordance with MASH Test Level 3 (2270kg pick-up truck travelling at 100km/h and 25 degrees).
2. Impact assessment has been undertaken with Hammer Beam positioned behind a 200mm high hob.

| | | | | | | |
|--|--------------|--------------|---|--|---------------------|--|
| MATERIAL: | | |  SafeDirection CRASH BARRIER SOLUTIONS | TITLE: Road Barriers - Bridge Barriers Hammer Beam Surface-Mount Posts General Arrangement | | |
| FINISH: HOT DIP GALVANISED AS/NZS 4680 | | | | DWG NO. SD-RB-03004 REVISION: C SHEET SIZE: A4 | | |
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| DRAWN: | W. Refahi | 10/01/2024 | | | | |
| CHK'D: | T. Colquhoun | 11/01/2024 | | | | |
| APPV'D: | H. Wallace | 11/01/2024 | | | | |
| STATUS: APPROVED | | | WEIGHT: 20555.33kg | SCALE: 1:85 | SHEET 4 of 4 | |