

| FOOTING SELECTION FOR STEEL BRIDGES | | | | |
|-------------------------------------|--------------|--------|--------|--------|
| FOOTING TYPE | MAXIMUM SPAN | | | |
| | BCL-625 | L100 | L150 | L165 |
| S1 | 22 000 | 14 000 | | |
| S2 | 34 000 | 22 000 | 14 000 | 12 000 |
| S3 | 40 000 | 30 000 | 24 000 | 20 000 |
| S4 | | 40 000 | 32 000 | 30 000 |
| S5 | | | 40 000 | 40 000 |

| FOOTING DIMENSIONS FOR STEEL BRIDGES | | | | | | | |
|--------------------------------------|--------------|-----|------|------|-----|---|--------|
| FOOTING TYPE | FOOTING SIZE | | | | | | WEIGHT |
| | A | B | C | D | E | F | (kg) |
| S1 | 175 | 200 | 900 | 1800 | 425 | 5 | 1960 |
| S2 | 175 | 250 | 1100 | 2100 | 475 | 5 | 3350 |
| S3 | 175 | 250 | 1200 | 2400 | 475 | 6 | 4310 |
| S4 | 200 | 250 | 1400 | 2700 | 500 | 6 | 5640 |
| S5 | 225 | 275 | 1600 | 3000 | 550 | 6 | 7775 |

| STEEL COLUMN SELECTION FOR STEEL BRIDGES | | | | | |
|--|-----------|--------------|--------|--------|--------|
| PIPE SIZE | | MAXIMUM SPAN | | | |
| DIAMETER | THICKNESS | BCL-625 | L100 | L150 | L165 |
| 323 | 9.53 | 34 000 | 20 000 | | |
| 406 | 9.53 | 40 000 | 32 000 | 20 000 | 14 000 |
| 406 | 12.7 | | 40 000 | 32 000 | 30 000 |
| 508 | 12.7 | | | 40 000 | 40 000 |

BASED ON MAXIMUM COLUMN HEIGHT OF 4000

| RUBBER BEARING DIMENSIONS AND TOP BEARING PLATE THICKNESS FOR STEEL BRIDGES | | | | | | |
|---|-----------|------|--------------|--------|--------|--------|
| L (LENGTH) | W (WIDTH) | T | MAXIMUM SPAN | | | |
| | | | BCL-625 | L100 | L150 | L165 |
| 400 | 450 | 25.4 | 24 000 | 14 000 | | |
| 400 | 500 | 25.4 | 36 000 | 20 000 | 14 000 | |
| 450 | 500 | 25.4 | 40 000 | 28 000 | 18 000 | 14 000 |
| 450 | 550 | 25.4 | | 36 000 | 22 000 | 20 000 |
| 500 | 550 | 25.4 | | 40 000 | 28 000 | 24 000 |
| 500 | 600 | 31.8 | | | 34 000 | 32 000 |
| 550 | 600 | 31.8 | | | 40 000 | 38 000 |
| 550 | 650 | 31.8 | | | | 40 000 |

ASSUME NOT TO SCALE
 ORIGINAL SIGNED AND SEALED

| DESIGN ENGINEER | <p>SCALE AS SHOWN</p> <p>BAR LENGTH IS 40mm ON ORIGINAL.</p> | <p>Ministry of Forests, Lands and Natural Resource Operations</p> <p style="text-align: right;">ENGINEERING BRANCH</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|------|-------------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|--------------|---------------------------------------|----------------|----------|-------------------------------------|
| <p>Checked <u>JULIEN HENLEY</u> Date <u>14/04/01</u></p> <p>Drawn <u>ERFAN FARJOO</u> Date <u>14/04/01</u></p> | | <p>STANDARD BRIDGE DRAWING</p> <p>DRAWING TITLE: SUBSTRUCTURE DETAILS FOR STEEL BRIDGES - SHEET 2</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>DESCRIPTION</th> <th>Init</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | | Rev | Date | DESCRIPTION | Init | | | | | | | | | | | | | | | | | | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY: HELEN DU, P.ENG.</td> <td>APPROVED BY:</td> </tr> <tr> <td>COORDINATING REGISTERED PROFESSIONAL:</td> <td>FLNR ENGINEER:</td> </tr> <tr> <td>FILE No.</td> <td>DRAWING No. STD-EC-050-07</td> </tr> </table> | DESIGNED BY: HELEN DU, P.ENG. | APPROVED BY: | COORDINATING REGISTERED PROFESSIONAL: | FLNR ENGINEER: | FILE No. | DRAWING No. STD-EC-050-07 |
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| PROFESSIONAL SEAL | REVISIONS | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="text-align: center;">0</td> </tr> </table> | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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