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**Queensland  
Government**

## GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH233**

Sheet 1 of 3

REFERENCE No **H12167**

PROJECT **Ipswich Motorway Upgrade - Rocklea to Darra**

LOCATION **Oxley Creek Overflow Bridge**

COORDINATES **498757.7 E; 6950988.4 N**

PROJECT No **FG6202**

SURFACE RL **1.36m**

PLUNGE **90°**

DATE STARTED **21/04/2015**

GRID DATUM **MGA94 Z56**

JOB No **201/416/003**

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **22/04/2015**

DRILLER **North Coast**

| DEPTH (m) | R.L. (m) | AUGER<br>CASING<br>WASHBORING<br>CORE DRILLING | RQD<br>(%)<br>CORE<br>REC % | SAMPLE | MATERIAL DESCRIPTION  | LITHOLOGY | USCS<br>WEATHERING                  | INTACT<br>STRENGTH | DEFECT<br>SPACING                   | ADDITIONAL DATA<br>AND<br>TEST RESULTS | SAMPLES<br>TESTS         |
|-----------|----------|--|-----------------------------|--------|---|-----------|-------------------------------------|--------------------|-------------------------------------|--|--------------------------|
|           |          |  |                             |        |   |           | EH<br>VH<br>H<br>M<br>J<br>VI<br>EL |                    | EC<br>VC<br>C<br>M<br>W<br>VW<br>EW |  |                          |
| 0.06      |          |  |                             |        | CLAY (Alluvium)<br>Dark grey, moist, soft to firm.<br>High plasticity. Organic odour.       | (OH)      |                                     |                    |                                     |  |                          |
|           |          |  |                             | A      | Clayey SAND (Alluvium)<br>Grey, moist, loose to medium<br>dense.<br>Fine to medium grained. |           |                                     |                    |                                     |  | 3, 5<br>N=8<br>SPT       |
|           |          |  |                             | B      |   |           |                                     |                    |                                     |  | 3, 4, 6<br>N=10<br>SPT   |
|           |          |  |                             | C      |   |           |                                     |                    |                                     |  | 7, 12, 14<br>N=26<br>SPT |
|           |          |  |                             | D      |   | (SC)      |                                     |                    |                                     |  | 8, 12, 14<br>N=26<br>SPT |
|           |          |  |                             | E      |   |           |                                     |                    |                                     |  | 8, 8, 7<br>N=15<br>SPT   |
| -7.64     |          |  |                             | F      | Silty CLAY (Residual)<br>Grey, moist, stiff.<br>Medium to high plasticity.                  | (CI)      |                                     |                    |                                     | 8.80m: Becomes Gravelly.               | 5, 6, 8<br>N=14<br>SPT   |
| -8.64     |          |  |                             |        |   |           |                                     |                    |                                     |  |                          |

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REMARKS: **Tod - Darra formation.**

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## GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH233**

Sheet 2 of 3

REFERENCE No **H12167**

PROJECT **Ipswich Motorway Upgrade - Rocklea to Darra**

LOCATION **Oxley Creek Overflow Bridge**

COORDINATES **498757.7 E; 6950988.4 N**

PROJECT No **FG6202**

SURFACE RL **1.36m**

PLUNGE **90°**

DATE STARTED **21/04/2015**

GRID DATUM **MGA94 Z56**

JOB No **201/416/003**

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **22/04/2015**

DRILLER **North Coast**

| DEPTH (m) | R.L.<br>(m) | AUGER<br>CASING<br>WASHBORING<br>CORE DRILLING | RQD<br>(%)<br>CORE<br>REC % | SAMPLE | MATERIAL DESCRIPTION  | LITHOLOGY | USCS<br>WEATHERING | INTACT<br>STRENGTH | DEFECT<br>SPACING | ADDITIONAL DATA<br>AND<br>TEST RESULTS   | SAMPLES<br>TESTS |
|-----------|-------------|--|-----------------------------|--------|---|-----------|--------------------|--------------------|-------------------|--|------------------|
|           |             |  |                             |        |   |           |                    |                    |                   |  |                  |
| 11        |             |  |                             | G      | Silty CLAY (Residual)<br>(Contd')<br>Becoming very stiff.   |           |                    |                    |                   | 4, 8, 13<br>N=21   | SPT              |
| 12        |             |  |                             | H      |   | (Cl)      |                    |                    |                   | 6, 11, 16<br>N=27  | SPT              |
| 13        |             |  |                             | I      | Becoming hard.  |           |                    |                    |                   | 11, 17, 23<br>N=40   | SPT              |
| 14        |             |  |                             | J      | Sandy CLAY (Residual)<br>Grey, moist, hard.<br>Low plasticity, fine grained sand.                 |           |                    |                    |                   | 12, 22, HB<br>hb   | SPT              |
| 15        | -13.14      |  |                             | K      |   | (Cl)      |                    |                    |                   | 7, 23, HB<br>hb  | SPT              |
| 16        |             |  |                             |        |   |           |                    |                    |                   |  |                  |
| 17        | -15.64      |  | (0)                         |        | SILTSTONE (Tod)<br>XW: Recovered as grey brown,<br>moist, hard, Silty CLAY.<br>Medium plasticity. |           |                    |                    |                   | 17.00m-18.10m: Recovered as Silty<br>Clay with Sand. Low to medium<br>plasticity, fine grained sand. |                  |
| 18        |             |  | 100<br>(0)                  |        |   |           |                    |                    |                   | UCS=0.76 MPa (17.85m)  |                  |
| 19        |             |  | 100<br>(0)                  |        |   |           | XW                 |                    |                   |  |                  |
| 20        | -18.64      |  |                             |        |   |           |                    |                    |                   |  |                  |

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REMARKS: Tod - Darra formation.

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# GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM E:GEOT 017/8-2014

BOREHOLE No **BH233**

Sheet 3 of 3

REFERENCE No **H12167**

PROJECT Ipswich Motorway Upgrade - Rocklea to Darra

|          |                             |
|----------|-----------------------------|
| LOCATION | Oxley Creek Overflow Bridge |
|----------|-----------------------------|

COORDINATES 498757.7 E; 6950988.4 N

|            |        |
|------------|--------|
| PROJECT No | FG6202 |
|------------|--------|

SURFACE RL 1.36m

PLUNGE 90°

DATE STARTED 21/04/2015

GRID DATUM MGA94 Z56

JOB No 201/416/003

HEIGHT DATUM AHD

BEARING °

DATE COMPLETED 22/04/2015

DRILLER North Coast

|                                 |           |             |
|---------------------------------|-----------|-------------|
| REMARKS: Tod - Darra formation. | LOGGED BY | REVIEWED BY |
|                                 | MS        | SF          |

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

