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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH214**

Sheet 1 of 1

REFERENCE No **H12158**

| | | | |
|------------|---|----------------|-------------------------|
| PROJECT | Ipswich Motorway Upgrade - Rocklea to Darra | | |
| LOCATION | Approach Embankment | COORDINATES | 498936.4 E; 6951027.7 N |
| PROJECT No | FG6202 | SURFACE RL | 5.50m |
| | | PLUNGE | 90° |
| | | DATE STARTED | 22/04/2015 |
| | | GRID DATUM | MGA94 Z56 |
| JOB No | 201/416/003 | HEIGHT DATUM | AHD |
| | | BEARING | ° |
| | | DATE COMPLETED | 23/04/2015 |
| | | DRILLER | North Coast |

| DEPTH (m) | R.L. (m) | AUGER CASING WASHBORING CONE DRILLING | RQD (%) CORE REC % | SAMPLE | MATERIAL DESCRIPTION | LITHOLOGY | USCS WEATHERING | INTACT STRENGTH | DEFECT SPACING | ADDITIONAL DATA AND TEST RESULTS | SAMPLES TESTS | |
|-----------|----------|---------------------------------------|-----------------------|--------|--|-----------|-----------------|-----------------|----------------|--|---------------|----|
| | | | | | | | | | | | | EH |
| 5.36 | | | | | ASPHALT | | | | | | | |
| 5.00 | | | | | Sandy GRAVEL (Fill) Unbound Paving Material. | (GW) | | | | | | |
| 1 | | | | A | Silty CLAY (Fill) Pale grey, moist, firm to stiff . High plasticity, trace medium to coarse grained sand. | (CH) | | | | 1, 2, 4 N=6 | SPT | |
| 2 | | | | B | Gravel layer. Becoming stiff. | | | | | 3, 5, 7 N=12 | SPT | |
| 2.90 | | | | C | Silty CLAY with Sand (Alluvium) Grey, moist, firm to stiff . Medium plasticity; fine sand. | CI | | | | 1, 4, 5 N=9 LL=44% PI= 23% MC=25.7% LS= 12% <75µm= 76% | SPT | |
| 4 | 1.50 | | | D | Clayey SAND (Alluvium) Grey, moist, loose. Fine grained sand. | | | | | hw, 3, 3 N=6 LL=38% PI= 21% MC=26.4% LS= 9% <75µm= 41% | SPT | |
| 5 | | | | E | | | | | | 4, 4, 3 N=7 | SPT | |
| 6 | | | | F | Becoming medium dense. Fine to medium grained sand. | SC | | | | 7, 10, 10 N=20 | SPT | |
| 7 | | | | G | Colour changed to dark grey. | | | | | 2, 7, 5 N=12 | SPT | |
| 8 | | | | H | | | | | | 6, 5, 7 N=12 | SPT | |
| 9 | | | | I | Medium to coarse grained sand. | | | | | 6, 10, 10 N=20 | SPT | |
| | -3.94 | | | | Borehole completed at 9.45m | | | | | | | |

inferred GWT

| | | |
|----------|-----------|-------------|
| REMARKS: | LOGGED BY | REVIEWED BY |
| | MS | SF |