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## ENGINEERING BORE LOG

PROJECT GATEWAY BRIDGE

(F) 13779

Sheet 1 of 5

HOLE No. B29

REF H4977

DATUM 1919

LOCATION Pier 14 Ch. 17715.5, 6.5m left of centreline  
N 35369.361 E 44849.489

JOB No. 140/E8D/DEX21 PROJECT No. 1/454

DATE 17/1/81 SURFACE R.L. 4.1

TYPE Hollow Auger

Depth  
(m)

214

## Casing

0.0 - 37.5

Depth  
(a)

OF  
DRILLING MILC

Coring

Depth  
(m)Depth  
(m)[illegible]

REMARKS \*\*\* NO SAMPLE RECOVERED

GEOL.

ENGR.

APPR.

S.P.T.  
50 mm

☒ Core Loss

WEATHERED  
CONDITION

☐ Extremely  
☐ Weathered  
☐ Highly

☐ Moderately  
☐ Weathered  
☐ Slightly

Water Level

NOTE  
FOR OTHER SYMBOLS  
SEE APPENDIX I

PROJECT GATEWAY BRIDGE

Sheet 2 (P) 13/79 of 5

HOLE No. 329 Con't

REF. H4977

DATUM                      AND

SURFACE R.L.

LOCATION

JOB No.

PROJECT No. 1/454

DATE \_\_\_\_\_

TYPE  
OF  
DRILLING

Hollow Auger

Depth  
(in)

## Casing

Depth  
(m)

### Coring

Depth  
(m)Depth  
(m)

| ENGINEERING PROPERTIES |             |                                    |             | GRAPHIC LOG | FIELD SAMPLE & N VALUE | Depth & RL ( )<br>1:50<br>10.00<br>(-5.90) | STRATA DESCRIPTION |           |
|------------------------|-------------|------------------------------------|-------------|-------------|------------------------|--------------------------------------------|--------------------|-----------|
| PARAMETERS & INDICES   |             |                                    |             |             |                        |                                            | SOIL TYPE          | LITHOLOGY |
| MC ( ) x<br>x<br>0     | x<br>x<br>0 | DD (1/m <sup>3</sup> ) 0<br>x<br>0 | x<br>x<br>0 |             |                        |                                            | OR WEATHERING      |           |
|                        |             |                                    |             |             |                        |                                            |                    |           |
|                        |             |                                    |             |             | 4                      | 10.00                                      |                    |           |
|                        |             |                                    |             |             | **                     |                                            |                    |           |
|                        |             |                                    |             |             | 1                      | 10.00                                      |                    |           |
|                        |             |                                    |             |             | 1                      | 10.00                                      |                    |           |
|                        |             |                                    |             |             | **                     |                                            |                    |           |

REMARKS

GEOL.  
APPR.

ENGR.

S.P.T.

1070



### Core Loss

WEATHERED  
CONDITION

|   |   |
|---|---|
| 1 | 2 |
| 3 | 4 |

Extremely  
Weathered  
Highly



Moderately  
Weathered  
Slightly

Water  
Level:

▽

NOTE  
FOR OTHER SYMBOLS  
SEE APPENDIX I



(P) 13/79  
Sheet 3 of 5  
HOLE No. B29, Con't  
REF. B4977  
DATUM AHD  
SURFACE R.L.

LOCATION

JOB No.      PROJECT No. 1/454      DATE

TYPE OF DRILLING      Hollow Auger      Depth (m)      Casing      Depth (m)  
Coring      Depth (m)

| ENGINEERING PROPERTIES |        |                          |        | GRAPHIC LOG | FIELD SAMPLE & N VALUE | Depth & RL ( ) | STRATA DESCRIPTION      |           |
|------------------------|--------|--------------------------|--------|-------------|------------------------|----------------|-------------------------|-----------|
| MC ( ) x               |        | DD (t/m <sup>3</sup> ) D |        |             |                        |                | SOIL TYPE OR WEATHERING | LITHOLOGY |
| x<br>0                 | x<br>0 | x<br>0                   | x<br>0 |             |                        |                |                         |           |
|                        |        |                          |        |             |                        | 1.50           |                         |           |
|                        |        |                          |        |             |                        | 20.00          |                         |           |
|                        |        |                          |        |             |                        | (-15.90)       |                         |           |
|                        |        |                          |        |             | <1                     | 11.5           |                         |           |
|                        |        |                          |        |             | **                     |                |                         |           |
|                        |        |                          |        |             | 1                      | 14.5           |                         |           |
|                        |        |                          |        |             | **                     |                |                         |           |
|                        |        |                          |        |             | <1                     | 17.5           |                         |           |
|                        |        |                          |        |             | **17                   | 50             |                         |           |

REMARKS

GEOL. APPR.      ENGR.

SPT

Core Loss

WEATHERED CONDITION

Extremely Weathered

Highly Weathered

Moderately Weathered Slightly Weathered

Water Level

Tube

mm

NOTE FOR OTHER SYMBOLS SEE APPENDIX I

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JOE No.

PROJECT No. 1/456

DATE \_\_\_\_\_

TYPE  
OF  
DRILLING

Hollow Auger

Depth  
(m)

## Casing

Depth  
(m)

Coring

Depth  
(m)Depth  
(m)

| ENGINEERING PROPERTIES |        |                          |        | GRAPHIC LOG | FIELD SAMPLE & N VALUE | Depth & RL ( )   | STRATA DESCRIPTION                                                                                                                                                                                            |                                                                                     |                         |
|------------------------|--------|--------------------------|--------|-------------|------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|
| MC ( ) x               |        | DD (1/m <sup>3</sup> ) 0 |        |             |                        |                  | PARAMETERS & INDICES                                                                                                                                                                                          | SOIL TYPE                                                                           | LITHOLOGY OR WEATHERING |
| x<br>0                 | x<br>0 | x<br>0                   | x<br>0 |             |                        |                  |                                                                                                                                                                                                               |                                                                                     |                         |
|                        |        |                          |        |             | 21                     | (-25.90)         |                                                                                                                                                                                                               |                                                                                     |                         |
|                        |        |                          |        |             | 14                     |                  |                                                                                                                                                                                                               |                                                                                     |                         |
|                        |        |                          |        |             | 16<br>150              |                  |                                                                                                                                                                                                               |                                                                                     |                         |
|                        |        |                          |        |             | 21*<br>150             |                  |                                                                                                                                                                                                               |                                                                                     |                         |
|                        |        |                          |        |             | 30*<br>60              |                  |                                                                                                                                                                                                               |                                                                                     |                         |
| ENGINEERING PROPERTIES |        |                          |        |             |                        | 36.5<br>(-32.40) |                                                                                                                                                                                                               |                                                                                     |                         |
| Intact Strength        |        | Defect Spacing           |        | STRUCTURE   | Core Rec %             |                  | MODERATELY WEATHERED<br>Grey low to medium strength rock. Bedding dips 0-10°. Defects parallel to bedding and dipping 60-80°. Horizontal defects clay coated. Steeper defects clean occasionally slickensided | MUDSTONE Grey fine grained Rock containing thin sandy and silty laminae throughout. |                         |
| HH<br>VV               |        | VV<br>VV                 |        |             | (0)<br>41              |                  |                                                                                                                                                                                                               |                                                                                     |                         |
| HH<br>VV               |        | VV<br>VV                 |        |             | (0)<br>95              |                  |                                                                                                                                                                                                               |                                                                                     |                         |
| HH<br>VV               |        | VV<br>VV                 |        |             | (0)<br>63              |                  |                                                                                                                                                                                                               |                                                                                     |                         |

REMARKS

GEOL.  
APPR.

ENGR.

 S.P.L.  
 Tube  
 Core Loss

WEATHERED  
CONDITION

☐ Extremely  
☐ Weathered  
☐ Highly  
☐ Unweathered

 Moderately  
 Weathered  
 Slightly  
 Unweathered

Water Level

NOTE  
FOR OTHER SYMBOLS  
SEE APPENDIX I



LOCATION

JOB No.

PROJECT No. 1/454

DATE \_\_\_\_\_

TYPE  
OF  
DRILLING

Hollow Auger

Depth  
(m)

## Casing

Depth  
(m)

### Coring

Depth  
(m)Depth  
(m)

| ENGINEERING PROPERTIES |    |   |   |   |                |   |   |   |    | STRUCTURE | GRAPHIC LOG | CORE REC.<br>%<br>R.Q.D.<br>( ) % | Depth &<br>R.L. ( )<br>1-50<br>40.00 | STRATA DESCRIPTION      |           |
|------------------------|----|---|---|---|----------------|---|---|---|----|-----------|-------------|-----------------------------------|--------------------------------------|-------------------------|-----------|
| Intact Strength        |    |   |   |   | Defect Spacing |   |   |   |    |           |             |                                   |                                      | SOIL TYPE OR WEATHERING | LITHOLOGY |
| H                      | VH | H | M | L | VLC            | C | M | W | VW |           |             |                                   |                                      |                         |           |
|                        |    |   |   |   |                |   |   |   |    |           |             | (-35.9)                           | MODERATELY WEATHERED CONT.           | PUDSTONE CONT.          |           |
|                        |    |   |   |   |                |   |   |   |    |           | (0)<br>95   | 41.00                             |                                      |                         |           |
|                        |    |   |   |   |                |   |   |   |    |           |             | (-36.9)                           | END OF HOLE                          |                         |           |

REMARKS

GEOL. GE. ENGR. BR

APPR

Legend for Figure 1:  
 S.P.T.  
 Core Loss

WEATHERED  
CONDITION

Extremely  
Weathered  
Highly  
Weathered

|                                                                                     |            |
|-------------------------------------------------------------------------------------|------------|
|  | Moderately |
|  | Weathered  |
|  | Slightly   |
|  | Freshly    |

Water Level  
V

NOTE  
FOR OTHER SYMBOLS  
SEE APPENDIX I