

表 3-1 F3a 段隧道沿線各土層之土壤工程性質  
 (摘自 Clough and Leca, 1993)

| Soil layer | Soil type     | Soil classification | $\gamma$<br>(KN/m <sup>3</sup> ) | $\omega$<br>(%) | LL | PI | D <sub>r</sub><br>(%) | S <sub>u</sub><br>(KPa) |
|------------|---------------|---------------------|----------------------------------|-----------------|----|----|-----------------------|-------------------------|
| F          | Fill          | -                   | 20                               | -               | -  | -  | -                     | -                       |
| A1         | Organic clay  | OH                  | 15.7                             | 69              | 82 | 43 | -                     | 24 ~ 35                 |
| T1 (A)     | Silty clay    | CL                  | -                                | -               | -  | -  | -                     | 120 ~ 168               |
| T1 (F)     | Silty clay    | CL                  | -                                | -               | -  | -  | -                     | 29 ~ 38                 |
| T5         | Gravelly sand | GP-GM               | 18.8                             | 25              | -  | -  | 50                    | -                       |
| P1         | Clay          | CH                  | 20.3                             | 22              | -  | -  | -                     | 144 ~ 335               |
| P2         | Clayey sand   | SM-SC               | 18.6 ~ 19.3                      | 21              | -  | -  | 50 ~ 70               | -                       |