

Training Matrix

Unit / Module

Description

Duration

On-site Supervisor

Junior PDA tester

Senior PDA tester

Engineering Supervisor Reviewer

1*

Introduction to dynamic pile testing for site personnel

1 day

Yes

Yes

Yes

(Yes)

2

Preparation for field testing

1 day

Yes

Yes

Yes

3*

Introductory field testing

1½ day

Yes

Yes

4

Fundamentals of one-dimensional wave mechanics

1 day

Yes

Yes

Yes

5

Case method and soil resistance

½ day

Yes

Yes

Yes

6

Construction control

1 day

Yes

Yes

Yes
7*

Field testing with interpretation
1½ day

Yes
8

Wave Equation Analysis for prediction of pile driving
1 day

Yes
(Yes)
9

CAPWAP analysis of dynamic pile testing measurements
2 days

Yes
10

Advanced practice considerations and guidelines
½ day

Yes
Yes
(Yes)
11

Trial Exam – Data Acquisition (Part A)
¾hr

Yes
Yes
12

Trial Exam – Data Interpretation (Part B)
1 hr

Yes
Yes
Exam

High Strain Dynamic Pile Testing Examination
½ day

Part A
Parts A & B
Part B
Total days

11.5
1
7
11.5
4 – 6.5