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★ **OFFICIAL PROGRAM STANDARDS NOTIFICATION** ★

**Issued: January 21, 2011**

**Program: Piledriver and Bridgeworker**

**To:** ITA Training Providers  
Construction Industry Training Organization (CITO)  
ACE IT School Districts

**RE: REF: 2011 003**  
**UPDATE TO PILEDRIVER AND BRIDGEWORKER PROGRAM**

**Timing:** Effective: March 14, 2011

**Information:** Please be advised that an updated program standard for the Piledriver and Bridgeworker apprenticeship program has been approved by Industry Training Authority (ITA). An updated program profile and a program outline are posted on the ITA website at [www.itabc.ca](http://www.itabc.ca).

The Construction Industry Training Organization (CITO) has completed a review of the standards for the Piledriver and Bridgeworker apprenticeship program after extensive consultation with industry and training providers. This review has resulted in:

- a change in the structure of the technical training: the new structure will consist of Piledriver and Bridgeworker Level 1, Carpenter Level 2 and Piledriver and Bridgeworker Level 3;
- content changes in Level 1 and Level 3 of the technical training; and
- a reduction in the duration of Level 3 technical training from eight weeks to six weeks.

Delivery of training for the Piledriver and Bridgeworker apprenticeship program is to be based on the updated program outline as of March 14, 2011.

A letter will be sent to all registered Piledriver and Bridgeworker apprentices and their sponsors, informing them of the changes to the program.

## **TRANSITION OF CURRENT APPRENTICES**

Apprentices who have not completed Carpenter Level 1 technical training by March 14, 2011 will instead complete Piledriver and Bridgeworker Level 1 technical training.

Current apprentices who have completed Carpenter Level 1 and Carpenter Level 2 technical training will attend a six-week Piledriver and Bridgeworker Level 3 technical training session, rather than an eight-week session.

### **Assessment**

#### **In-School Training**

Training providers delivering Piledriver and Bridgeworker Level 1 and Level 3 and Carpenter Level 2 in-school training are required to enter the following assessment result in ITA Direct Access for each apprentice:

- An in-school mark in the form of a percentage (a minimum of 70% is required for a pass)

The in-school mark is a combined theory and practical assessment determined on the basis of:

- Theory and practical subject competencies. The subject competencies and the theory and practical percentage weightings for each competency are shown in the attached Subject Competencies and Weightings Tables.
- The theory subject competency mark for all levels is calculated based on:
  - Piledriver and Bridgeworker Level 1 and Level 3 – 48% of the accumulated individual competencies and 52% based on the score of the final theory-level exam.
  - Carpentry Level 2 – 45% of the accumulated individual competencies and 55% based on the score of the final theory-level exam.
- The practical subject competency mark is calculated based on 100% of the accumulated competencies.

- The final in-school mark, which is entered in ITA Direct Access, is calculated by:
  - Piledriver and Bridgeworker Level 1 – applying a weighting of 50% to the final theory result, and a weighting of 50% to the final practical result, and then adding the two results together.
  - Carpenter Level 2 – applying a weighting of 65% to the final theory result, and a weighting of 35% to the final practical result, and then adding the two results together.
  - Piledriver and Bridgeworker Level 3 – applying a weighting of 60% to the final theory result, and a weighting of 40% to the final practical result, and then adding the two results together.

Successful completion of each level of in-school training for the Piledriver and Bridgeworker program is defined as a final score of 70% or greater.

### **ITA Standardized-Level Examinations**

ITA standardized-level exams for Piledriver and Bridgeworker apprenticeship program have been developed and are currently being field tested. Once completed, these exams will replace the proprietary theory-level exams being used by training providers delivering in-school training for the Piledriver and Bridgeworker apprenticeship program.

The Construction Industry Training Organization (CITO) is responsible for administration and invigilation of exams being field tested. Field testing is being conducted by CITO at a limited number of training provider sites. Training providers will be notified when ITA standardized-level exams are ready for their use.

Questions regarding the field testing process should be directed to Dave Coleman at Construction Industry Training Organization (CITO) at [davec@bccito.ca](mailto:davec@bccito.ca) or (604) 431-1994.

### **Certificate of Qualification Exam**

Apprentices registered in the Piledriver and Bridgeworker program are required to write a Certificate of Qualification (C of Q) exam and pass with a mark of 70% or greater.

The C of Q exam may be requested by training providers via the usual ITA procedure.

ITA will administer and invigilate the C of Q exam, and score and record exam results in ITA Direct Access.

**For more information, contact:** Doug Podetz  
Industry Training Authority  
Tel: (604) 214-8707  
Email: [dpodetz@itabc.ca](mailto:dpodetz@itabc.ca)

**Copy:** ITA staff

## ASSESSMENT GUIDELINES

**Program:** Piledriver and Bridgeworker Apprenticeship

**Requirements:**

### 1. In-school Training

Training providers delivering Piledriver and Bridgeworker Level 1 and Level 3 and Carpenter Level 2 in-school training are required to enter the following assessment result in ITA DirectAccess for each apprentice:

- An in-school mark in the form of a percentage (a minimum of 70% is required for a pass)

The in-school mark is a combined theory and practical assessment determined on the basis of:

- Theory and practical subject competencies. The subject competencies and the theory and practical percentage weightings for each competency are shown in the attached Subject Competencies and Weightings Tables.
- The theory subject competency mark for all levels is calculated based on:
  - Piledriver & Bridgeworker Level 1 & 3 - 48% of the accumulated individual competencies and 52% based on the score of the final theory-level exam
  - Carpentry Level 2 – 45% of the accumulated individual competencies and 55% based on the score of the final theory-level exam.
- The practical subject competency mark is calculated based on 100% of the accumulated competencies.
- The final in-school mark, which is entered in ITA DirectAccess, is calculated by:
  - Piledriver & Bridgeworker Level 1 – applying a weighting of 50% to the final theory result, and a weighting of 50% to the final practical result, and then adding the two results together.

- Carpenter Level 2 - applying a weighting of 65% to the final theory result, and a weighting of 35% to the final practical result, and then adding the two results together.
- Piledriver & Bridgeworker Level 3 - applying a weighting of 60% to the final theory result, and a weighting of 40% to the final practical result, and then adding the two results together.

Successful completion of each level of in-school training for the Piledriver and Bridgeworker program is defined as a final score of 70% or greater.

### **ITA Standardized-Level Examinations**

ITA standardized-level exams for Piledriver and Bridgeworker apprenticeship program have been developed and are currently being field tested. Once completed, these exams will replace the proprietary theory-level exams being used by training providers delivering in-school training for the Piledriver and Bridgeworker apprenticeship program.

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### **Certificate of Qualification Exam**

Apprentices registered in the Piledriver and Bridgeworker program are required to write a Certificate of Qualification (C of Q) exam and pass with a mark of 70% or greater.

The C of Q exam may be requested by training providers via the usual ITA procedure.

ITA will administer and invigilate the C of Q exam, and score and record exam results in ITA DirectAccess.

**Grading Sheet: Subject Competencies and Weightings Tables**

<b>Program:</b>		<b>Piledriver/Bridgeworker apprenticeship</b>	
<b>In-school Training:</b>		<b>Piledriver/Bridgeworker Level 1</b>	
<b>ITADirectAccess Code:</b>			
<b>Line</b>	<b>Subject Competencies</b>	<b>Theory Weighting</b>	<b>Practical Weighting</b>
A	Apply Safe Work Practices	6%	3%
B	Use Documentation & Organizational Skills	5%	0%
C	Use Tools & Equipment	6%	28%
D	Use Survey Instruments & Other Leveling & Measuring Techniques	3%	7%
E	Use Ladders & Scaffolds & Rigging & Hoisting Equipment	10%	48%
F	Perform Site Layout	3%	7%
G	Build Concrete Formwork	5%	7%
H	Describe the Piledriver/Bridgeworker Trade	2%	0%
I	Use Marine Work Procedures	5%	0%
L	Build with Timber and Steel	3%	0%
	In-school Final Exam	52%	
	Total	100%	100%
	Level 1 in-school mark weighting	50%	50%
	Level 1 in-school mark: calculated by the training provider by combining the 50% theory and 50% practical subject competency weightings	X%	

<b>Program:</b>		<b>Piledriver/Bridgeworker apprenticeship</b>	
<b>In-school Training:</b>		<b>Carpenter Level 2</b>	
<b>ITADirectAccess Code:</b>			
<b>Line</b>	<b>Subject Competencies</b>	<b>Theory Weighting</b>	<b>Practical Weighting</b>
A	Apply Safe Work Practices	2%	6%
B	Use Documentation & Organizational Skills	5%	15%
C	Use Tools & Equipment	2%	2%
D	Use Survey Instruments & Other leveling & Measuring Techniques	2%	6%
E	Use Ladders & Scaffolds & Rigging & Hoisting Equipment	5%	12%
F	Perform Site Layout	2%	4%
G	Build Concrete Formwork	27%	55%
	In-school Final Exam	55%	
	Total	100%	100%
	Level 2 in-school mark weighting	65%	35%
	Level 2 in-school mark: calculated by the training provider by combining the 65% theory and 35% practical subject competency weightings		
		X%	



<b>Program:</b>		<b>Piledriver/Bridgeworker apprenticeship</b>	
<b>In-school Training:</b>		<b>Piledriver/Bridgeworker Level 3</b>	
<b>ITADirectAccess Code:</b>			
<b>Line</b>	<b>Subject competencies</b>	<b>Theory Weighting</b>	<b>Practical Weighting</b>
A	Apply Safe Work Practices	2%	10%
B	Use Documentation & Organizational Skills	5%	3%
C	Use Tools & Equipment	6%	20%
D	Use Survey Instruments & Other leveling & Measuring Techniques	2%	3%
E	Use Ladders & Scaffolds & Rigging & Hoisting Equipment	10%	30%
F	Perform Site Layout	2%	5%
G	Build Concrete Formwork	2%	7%
I	Use Marine Work Procedures	5%	0%
J	Build Exclusion & Retention Structures	5%	10%
K	Use Pile & Foundation Procedures	5%	5%
L	Build with Timber and Steel	2%	5%
M	Install, Repair & Maintain Bridges, Ramps & Marine Structures	2%	2%
	In-school Final Exam	52%	
	Total	100%	100%
	Level 3 in-school mark weighting	60%	40%
	Level 3 in-school mark: calculated by the training provider by combining the 60% theory and 40% practical subject competency weightings	X%	