



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
PRACTICUM STUDY GUIDE

HIGHLY SKILLED BRIDGE MAINTAINER 4

NOTE: APPLICANT IS RESPONSIBLE TO BRING ALL PERSONAL PROTECTIVE EQUIPMENT TO THE PRACTICUM AND USE IT AS APPROPRIATE.

1. EMPLOYEES MUST HAVE BEEN RESPIRATOR FIT TESTED AND FALL PROTECTION TRAINED TO QUALIFY.
2. DEMONSTRATE THE PROPER USE OF SAFETY EQUIPMENT.
3. DEMONSTRATE THE PROPER SAFETY PRECAUTIONS WITH USE OF POWER HAND TOOLS.
4. EMPLOYEES MUST BE ABLE TO PROPERLY INSPECT AND INSTALL FALL PROTECTION HARNESS.
5. GENERAL KNOWLEDGE OF BRIDGE REPAIRS.
6. DEMONSTRATE KNOWLEDGE AND USE OF TRAFFIC WORK ZONE SIGN PATTERNS.
7. DEMONSTRATE ABILITY TO WORK WITH HEIGHTS, PROPER LADDER CLIMBING TECHNIQUE AND TYING OFF.
8. INSTALL BLADE, SQUARE SILL SAW.
9. CUT LUMBER INTO PIECES MAKING STRAIGHT AND COMPOUND ANGULAR CUTS, MEASURING ACCURATELY.
10. DEMONSTRATE ABILITY TO BUILD FORMS UTILIZING BLUE PRINTS.
11. DEMONSTRATE ABILITY TO READ AND INTERPRET PLANS.
12. DEMONSTRATE KNOWLEDGE OF DETERMINING CONCRETE VOLUMES.
13. EXPLAIN KNOWLEDGE RELATED TO PROCESSES AND MATERIALS.
14. IDENTIFY MATERIALS AND MIX PROCEDURES.
15. KNOWLEDGE OF BRIDGE PROJECT RECORD KEEPING.
16. EMPLOYEES MUST BRING ALL REQUIRED PPE NEEDED TO PERFORM ALL DUTIES FOR PRACTICUM.

NOTE: A REASONABLE AMOUNT OF TIME WILL BE ALLOWED TO COMPLETE EACH TASK.