


Preparation for Inspection

## PREPARATION FOR INSPECTION AND INSPECTION SAFETY




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## Inspection Safety

- Occupational Health & Safety Act
  - high rigging
  - scaffold & swing stages
  - crane safety and rigging
  - confined spaces
  - working over water




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## Inspection Safety (Continued)

- General Safety Issues
  - use proper equipment
  - park in a safe location
  - avoid unnecessary risk
  - assume all electrical is live
  - do not wear chest waders in fast moving water
  - use caution on ice
  - do not enter confined spaces
  - un-even ground
  - slippery culverts
  - fast flowing water
  - 3-point contact on bridgerails
  - inspect facing traffic – be alert
  - use check-in procedure – test it!!




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## Inspection Safety (Continued)

- Traffic Safety
  - if possible schedule during low traffic flow
  - inform road authority
  - park vehicles off road
  - wear high visibility vests
  - inspect facing traffic
  - be efficient and follow a routine – don't cross back and forth in traffic un-necessarily
  - be alert – be safe
  - use flag persons and signage if necessary-Level 2



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## Preparation for Inspection

**Personal Safety**

- Personal Equipment
  - hard hat
  - proper foot wear (non-slip soles)
  - hip waders
  - eye protection
  - warm clothing
  - extra clothing
  - rain gear
  - 1<sup>st</sup> aid kit
  - bug spray
  - bear spray
  - snake bite kit
  - safety harness – Level 2
  - life jackets – Level 2
  - cell phone



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## Preparation for Inspection

**Basic Tools for Inspection**

- BIM Manual, Reference Manual
- Clip board and extra pencils
- Camera
- Long tape & steel weight
- Pocket tape
- Chipping hammer
- Binoculars
- Crack gauge
- Angle finder
- Flashlight and headlamp c/w extra batteries
- Marking crayons



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## Preparation for Inspection

**Basic Tools for Inspection**

- Surveyor hand level
- Regular hand level
- Wire brush
- Plumb bob
- String line
- Measuring pole or electronic measuring device
- Personal equipment
- Shovel



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## Preparation for Inspection

**Inspection Equipment**

- Inspection Equipment – Level 2
  - portable ladders
    - base 1/4 of length from wall
    - do not work on top two rungs
    - base firm and non-slip
    - extension ladders proper overlap
  - scaffold
    - anchor properly
    - design = 4X load
    - inspect daily
  - safety harness – Level 2
    - adjust to fit
    - attach to fixed anchor
    - check prior to use



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## Preparation for Inspection

- BIM Inspection Forms
  - Order from BIS
  - Carry blank forms
  - Review previous inspections
- Bridge File Maps
  - shows bridge locations
  - GPS co-ordinates
  - plan route
  - set-up designated check-in person or system – test it!
- Bridge Inventory Information
  - use to confirm bridge characteristics
  - Inspection requirements
  - check bridge file number
  - Update inventory during inspection



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