

that fits squarely to the rails. The opposite end of the connectors shall have a 7" length of turned bond strand with a compression sleeve installed for connection to bond strand wires.

2. Track Circuit Connectors shall be furnished and installed with insulated bond strand cable. The bond strand shall have a nominal diameter of 0.200" and be jacketed with 3/32" rubber compound. The bond strand shall be connected to the solid #6 insulated twisted track wire with compression sleeves, and taped and insulated to prevent corrosion. The connection between track wire and bond strand shall be housed in rubber water hosing to prevent damage from ballast and frost in the ground.
 3. The underground cable shall be stripped back a sufficient distance for the exposed conductor to be fully inserted into the compression sleeve. The sleeve shall then be compressed with the type of compression tool designed for that purpose. The sleeve shall then be covered with two layers of vinyl plastic electrical tape.
 4. A twenty-four inch piece of Cordura hose shall be located beneath the rail base and sealed with sealing compound, in a manner as approved by the Engineer.
 5. Any track circuit connection installed by the Contractor, that is found to be defective prior to acceptance, shall be removed and a new track circuit connection installed at no additional cost the Agency.
 - f. Care shall be taken to avoid excessive slack in the bond conductor to prevent vandalism.
 - g. Any bond, weld, or connection installed by the Contractor which is found to be defective prior to acceptance, shall be removed and a new bond shall be installed as part of the work at no additional cost to the Contract.
 - h. If existing rail bonding is in place on the approach circuits then the Contractor shall inspect and verify that all such bonding, including track switches, is in accordance with these specifications. If additional rail bonding, or rail bonding corrections, is required then the Contractor shall correct any such deficient existing rail bonding at no cost to the Agency in accordance with these specifications, or as directed by the Engineer.
8. Installation of AHCW Shelters and Cases:
- a. Each AHCW Shelter or case shall be mounted level and plumb on the foundation and secured thereon with the hardware provided.