

General Signal Notes for Plan Review of Private Contracts

1. All signal items must be shown on at least one plan, using City of Seattle standard plans symbology. For research help call Rick McMahan at 694 7621.
2. Any signal items, including but not limited to signal heads, pole foundations, pedestals, detector loops, conduits, hand holes, and associated span wires and cables that are damaged or destroyed shall be replaced at the contractor's expense.
3. Any signal items which are disturbed as a result of grade change are required to be regraded at the contractor's expense.
4. All work necessary to adjust, relocate, repair or construct any part of the signal utility shall be at the contractor's expense. This work is to be performed by SDOT crews or a qualified signal contractor.
5. Access to controller cabinets and associated signal equipment must be available at all times. Space must be provided for door swing. Any fences, equipment and material storage shall not block access to signal equipment. Any costs and/or time loss incurred by SDOT crews in gaining access to blocked signal equipment will be at the contractor's expense.
6. Any excavation in proximity to an existing pole or down guy must be done without undermining their stability.
7. The contractor shall investigate for underground utilities prior to any pole foundation excavation or conduit trenching to avoid damage to any underground utilities (including side sewers).
8. All pole installations shall be inspected at several stages; including but not limited to foundation excavation, bolt, rebar and conduit installations, pole set for proper rake, luminaire installations, wiring, grounding and bonding. To order an inspection call Rick McMahan at 694 7621. Three working days notice is required.
9. Any conflicts with the signal system and construction sequence must be coordinated with the Signal Operations office. Contact Rick McMahan at 694 7621. A five working-day notice is required for any work requested of traffic signal electrician crews.
10. Contractor shall maintain existing signal operation during construction and provide temporary relocation of existing traffic signal equipment and wiring if necessary (approved by the Engineer) at the contractor's expense.
11. The contractor shall verify the existing signal phasing sequence diagram at each intersection prior to construction of any signal modifications or new installations.

12. An insulated #8 ground wire shall be installed in all conduits unless a ground wire is already present in an existing conduit. The intersection and street lighting must be bonded and grounded per spec. including handhole lids and frames.
13. Conduit shall be PVC Schedule 80.
14. Prior to sidewalk placement all conduits (existing and newly installed) must be inspected for continuity. This means in the new conduits pull strings should be present. Existing conduit must be accounted for, clear of debris, extended above the bottom of the handhole or terminated in the side and have movement in the cables or a pull string available to show movement. All conduits that are abandoned shall be labeled such in each access they pass through. To order an inspection call Rick McMahan at 694 7621. Three working days notice is required.
15. The contractor shall verify the capacities of all existing conduits or duct runs designated for use on this project. Any discrepancies with the plans shall be brought to the attention of the engineer prior to any construction work.
16. Work shall be scheduled such that no two (2) adjacent or opposite street lights are disabled at any one time.

Existing street light service disconnection and final street light service connection shall be made by Seattle City Light. Contact Seattle City Light, Ed Smalley at 386-9163, five (5) working days in advance. This wiring shall require an inspection before a request for hook up can be made. Call Rick McMahan at 684 7621.

17. Existing signs which are removed (e.g., street name signs, signal signs) from an existing pole shall be reinstalled per plan or adjusted in the field with the Engineer's approval.
18. Any paving / sidewalk cuts or removals passing through a signalized intersection with traffic loop detectors must do the following procedure. Two weeks prior to damaging a detector loop, contact signal operations with a final plan. An estimate of damage and cost will be given to the contractor. Temporary timing, disconnection, detector testing and restoration of permanent timing are an exclusive task for signal operations electricians. Restoration of the detector loops is the responsibility of the contractor with an approved design from signal operations. If signal crews have the labor time available they can be paid to restore the detectors. If the signal crews are unavailable, it will be the responsibility of the contract to restore the detector loops within two weeks of destruction. The permanent paving must be in place before the loops can be restored. No more than two (2) intersections with loops destroyed are allowed at any one time. Temporary timing will not be scheduled until a deposit for the full estimate of signal operations time is received.

Disconnect and temporary timing will be scheduled five (5) working days after receipt of the deposit. Signal operations personnel will work on a time and material basis. Any

moneys unused at the end of the project will be refunded. No detectors may be cut until this procedure is satisfied.

19. All materials used shall go through the submittal process outlined in the standard specifications. If vehicle signal heads and/or pedestrian heads are in the contract, a physical sample of vehicle and pedestrian heads to be used, along with their hardware, shall be submitted to Rosemary Bachmann (386-1517) at the Sunny Jim Signal Shop. Each item shall be clearly labeled with the name of the project, the name of the contractor, and the contractor's phone number. Call at least 2 days prior to submittal to personally arrange an appointment.