

# GENERAL SIGNAL NOTES

1. Contractor shall maintain existing signal operation during construction and provide temporary signal modifications when needed approved by the Engineer at the contractor's expense.
2. 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 a qualified signal contractor or SDOT crews.
3. Any conflicts with the signal system and construction sequence must be coordinated with the Signal Operations office as soon as known. Contact James Clark at (206) 684-5201. A Minimum five working-day notice is required for any work requested of traffic signal electrician crews. SDOT Crews will not be scheduled until an account has been set up for the specific project with a deposit to cover all costs to resolve the conflict and a responsible party has signed the SDOT-Signal Private Contractor Billing Agreement. Any work performed by SDOT Crews exceeding the deposit amount will be invoiced and billed to the Contractor. Any unused money will be refunded at the conclusion of the project.
4. Any signal items, including but not limited to signal heads, pole foundations, pedestals, detector loops, conduits, handholes, and associated span wires and cables that are damaged or destroyed shall be replaced at the contractor's expense.
5. Any signal items which are disturbed as a result of grade change are required to be regraded or replaced at the contractor's expense.
6. 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.
7. Any work that will damage or destroy traffic loop detectors must notify Signal Operations office at earliest time no less than two weeks prior to scheduled work. Signal Operations office will prepare an estimate to cover the cost associated with temporary detection and timing, dis-connection, detector testing, re-connection and restoration of permanent timing. It is the responsibility of the contractor to restore the detector loops within two (2) weeks of destruction or provide temporary detection during the interim. Fully restored pavement must be in place before the loops can be restored. A deposit for the full estimate prepared by the Signal Operations office and a signed SDOT-Signal Private Contractor Billing Agreement Billing is required prior to scheduled work.  
  
Disconnect and temporary timing will be scheduled no less than five (5) working days after receipt of the deposit. Signal Operations personnel will work on a time and material basis. Any unused money will be refunded at the conclusion of the project.
8. 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).
9. 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.
10. Existing signs which are removed (street name signs, signal signs, etc.) from an existing pole shall be reinstalled per plan or adjusted in the field with the Engineer's approval.
11. If a controller cabinet, handhole, conduit, pole, or pedestal is to be relocated in such a way as to lengthen the traffic cable runs, new wiring of the affected lines may be required. Splices will not be allowed in any ITS equipment cables, signal interconnect, preempt, trunk, or video detection lines, nor in pedestrian pushbutton wiring.

12. Any excavation in proximity to an existing pole or down guy must be done without undermining their stability. Inspection is required prior to any excavation.
13. 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.
14. Signal conduits that enter the construction site, such as those crossing the street or interconnect to other signalized intersections, must be reconnected. The reconnections must be inspected and approved in writing by the SDOT Inspector before the backfill and paving work may be scheduled.
15. Prior to curb installation, sidewalk installation, street paving, or tree installation all conduits, existing and newly installed, must be inspected for continuity. Pull strings shall be present in all new conduits. Existing conduit must be accounted for, be clear of debris, extend above the bottom or terminate in the side of the handhole, and have movement in the cables or have a pull string available to show movement. All conduits that are abandoned shall be labeled such in each access they pass through.
16. To order inspections call Flash Whittemore (206) 391-5074. Three working days notice is required.
17. Landings are to remain clear and pedestrian push buttons must remain easily accessible to the public at all times.
18. All materials used shall go through the submittal process outlined in the standard specifications. If a physical sample is to be submitted, the Sample will be delivered to the CR signal shop. Clearly label your sample with the project name and the company and contact phone number. Call Crew Chief at (206) 386-1517 the day before to arrange delivery.
19. If plan requires new steel strain poles to be installed, please note; signal poles can take 4 to 6 months of lead time to acquire. Please order your poles at the earliest possible date. Shop drawings and details shall be reviewed by the signal design engineer. Call (206) 684-5245 for information.
20. Only Electrical contractors with traffic signal construction experience are allowed to work on traffic signal items. Interconnect termination and powering up and down of signals is exclusively handled by SDOT signal electricians. All other signal related work performed shall be done by a qualified signal contractor and inspected upon completion.
21. Existing signal shall remain operational until time to cut over to new installation. Contractor is required to provide traffic control and one or more uniformed police officers during the period the signal is dark. Signal cut over shall not be scheduled until the Inspector has signed off on the checkout list. Cut over shall be scheduled with Signal Operations office at least 5 working days in advance.