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1130.01 — GENERAL REQUIREMENTS

(Revised 04/22/2010)

A. Description

These Supplemental Provisions shall supplement the ACHD approved sections of the latest adopted version of the **Idaho Standards for Public Works Construction (ISPWC)**.

The following General Conditions shall apply to all Sections of these Supplemental Provisions, unless otherwise specified herein.

B. Abbreviations

Unless the context otherwise requires, wherever in these Supplemental Provisions the following abbreviations, or pronouns in place of them, are used, the intent and meaning shall be interpreted as provided below.

AASHTO	American Association of State Highway and Transportation Officials
AC	Alternating Current
ACHD	Ada County Highway District
ADA	Americans with Disabilities Act
ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
ATSSA	American Traffic Safety Services Association
AWG	American Wire Gage
AWPA	American Wood Preservers Association
EPS	Emergency Preemption System
IMSA	International Municipal Signal Association
ISPWC	Idaho Standards for Public Works Construction
ITD	Idaho Transportation Department
ITE	Institute of Transportation Engineers
LED	Light Emitting Diode
MSDS	Material Safety Data Sheets
MUTCD	Manual on Uniform Traffic Control Devices
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association
OTDR	Optical Time Domain Reflectometer
REA	Rural Electrification Administration (REA has been annexed by the RUS)
RPC	Rigid Plastic Conduit
RUS	Rural Utilities Service
TMC	ACHD Traffic Management Center

Working titles having a masculine gender, such as “workman” and the pronoun “he”, are utilized in these Supplemental Provisions for the sake of brevity, and are intended to refer to persons of either gender.

C. Definitions

The following definitions pertain only to these Supplemental Provisions.

Actuation – The operation of any type of detector.

Business Days – Consecutive days during which the ACHD Administration Building is open for business. The ACHD Administration Building is open for business Monday through Friday with the exception of ACHD approved holidays.

Call-Back Lights – A supplemental outdoor 120 volt incandescent light that indicates to an emergency response vehicle that the Opticom device has received the signal that provides a green light, and therefore intersection right-of-way, to the responding vehicle.

Channel – A discrete information path.

Channelizers – Channelizers are flexible reflectorized devices installed within the roadway to discourage motorists from crossing a line or area of the roadway. Channelizers are intended to provide additional guidance and/or restriction to traffic by supplementing pavement markings, traffic stripes and delineators. Channelizers may be used for the following:

- Warn and alert drivers of hazards in the traveled way.
- Guide and direct traffic (Channelizers may be used in place of delineators, when required within a paved area).
- Additional emphasis to discourage illegal median crossings at traffic islands.

Closed Circuit Television Camera (CCTV) – A camera used to monitor traffic flow.

Confirmation Lights – See Call-Back lights.

Controller Assembly– The complete assembly for controlling the operation of a traffic signal or other system, consisting of a controller unit, and all auxiliary equipment housed in a weather proof cabinet.

Controller Unit – That part of the controller assembly which performs the basic timing and logic functions.

Crosswalk Markings – Crosswalk markings serve primarily to guide or channelize pedestrians into the proper path. Crosswalk markings are solid white lines, 12 inches wide, marking both edges of the crosswalk. A marked crosswalk has a minimum of 6 feet clear width between the lines.

Detector – A device for indicating the passage or presence of vehicles or pedestrians.

Delineators – Delineators are reflective devices mounted at the side of the roadway, in series, to indicate the roadway alignment. They are normally placed in the ground outside of the edge of pavement. (Note: Where delineators are required within a paved area, surface mounted channelizers may be used.)

Electrolier – The complete assembly of lighting standard, luminaire, ballast and lamp.

Emergency Preemption Detector – A detector capable of being actuated by an emergency service vehicle (fire, police, ambulance, etc.) When this detector is activated, the controller will either hold or advance to the preempted phase.

Flasher – A device used to open and close signal circuits at a repetitive rate.

Flashing Beacon Control Assembly – A complete electrical mechanism for operating a warning beacon or intersection control beacon.

Flashing Mode – This feature, when enabled, discontinues normal signal operation and causes the flashing of any predetermined combination of signal lights.

Indicator Lights – See Call-Back lights.

Inductive Loop Vehicle Detector – A detector capable of being actuated by the change of inductance caused by a vehicle passing over or remaining stationary over the loop.

Lane Numbering – On a multilane roadway, the traffic lanes available for through traffic traveling in the same direction are numbered from left to right when facing the direction of traffic flow.

LED – Light emitting diode.

Luminaire – The assembly which houses the light source and controls the light emitted from the light source.

Luminaire Arm – The structural member, bracket, or mast arm, which is mounted on a standard and supports the luminaire.

Pavement Markings – Pavement markings are defined as transverse markings which include, but are not limited to, word and symbol markings, limit lines (stop bars), crosswalk markings, parking stall markings, and at grade rail crossing markings.

Pedestrian Detector – A detector, usually of the push button type, capable of being actuated by hand.

Private Street – A private street is a roadway that is not publicly owned or maintained by ACHD or the Idaho Transportation Department..

Public Street – A public street is a roadway that is built in the public right-of-way.

Radar Detection – A radar detector is activated when a vehicle crosses the digital radar field.

Signal Face – That part of a signal head provided for controlling traffic in a single direction and consisting of one or more signal sections.

Signal Head – An assembly containing one or more signal faces.

Signal Indication – The illumination of a signal section or other device, or of a combination of sections or other devices at the same time.

Signal Section – A complete unit for providing a signal indication consisting of a housing, lens, reflector, lamp receptacle and lamp.

Standard – The shaft or pole used to support street lighting luminaires, traffic signal heads, mast arms, etc.

Stop Bars (Limit Lines) – Stop bars (or limit lines) are solid white lines, 24 inches wide, extending across all approach lanes to indicate the point behind which vehicles are required to stop.

Traffic Phase – The right of way, change and clearance intervals assigned to a traffic movement or combination of movements.

Traffic Stripes (Lane Lines) – Traffic stripes (lane lines) are defined as longitudinal center lines and lane lines which separate traffic lanes in the same or opposing direction of travel, and longitudinal edge lines which mark the edge of traveled way.

Video Detection – A video detector is activated when a vehicle enters a predetermined detector zone as seen through the lens of a camera.

D. Headings and Bold Face Type

Headings to sections, parts, forms, articles, sub-articles and bold face type within these Supplemental Provisions are inserted for convenience and/or reference only. They shall not affect the interpretation of these Supplemental Provisions.

E. Contact Information

The ACHD Traffic Operations Supervisor, Signal Inspector, Signal Construction Crew Chief, Sign Crew Chief and Electronic Technician can be contacted at the following location:

ACHD Traffic Operations
3700 Adams St.
Garden City, ID 83714
Tel: (208) 387-6190

The ACHD Traffic Engineering Supervisor, Traffic Design Engineer, and Congestion Management Supervisor can be contacted at the following location:

ACHD Traffic Engineering
3775 Adams Street
Garden City, ID 83714
Tel: (208) 387-6140

Digline can be contacted at (800) 342-1585.

The Idaho Department of Revenue and Taxation can be reached at (208) 334-7691.

1130.02 — CONTROL OF WORK

(Revised 06/03/05)

A. Errors and Omissions

If the Contractor, in the course of work, becomes aware of any errors or omissions, either in the contract documents or in the layout as given by survey points and instructions, or becomes aware of any discrepancy between the contract documents and the physical conditions of the work site, then the Contractor shall immediately inform ACHD in writing. The ACHD Traffic Engineer shall rectify the matter and advise the Contractor accordingly. Any work done after such discovery, without the approval of the ACHD Traffic Engineer, will be done at the Contractor's risk.

B. Inspection

ACHD reserves the right to inspect the manufacturing process of all materials. Final inspection and acceptance of the installed materials will not be given until final installation and testing has been completed on the systems. Approval to install materials and equipment must be obtained from ACHD.

Any inspection and associated testing is for the sole benefit of the ACHD and shall not relieve the Contractor of the responsibility of providing quality control measures to assure the work complies with the contract requirements and these Supplemental Provisions.

C. Supplemental Provisions Cost Included in Contract Price

All costs incurred by reason of, or in connection with, these Supplemental Provisions shall be included in the contract bid price(s).

D. Shop Drawings

All shop drawing submittals shall comply with the latest adopted version of the **Idaho Standards for Public Work Construction (ISPWC)**.

Approval of shop drawings does not constitute final acceptance or guarantee of the equipment, but is solely to assist the Contractor in providing the specified materials.

Preparation of shop drawings shall be considered incidental to other items in the contract and no further compensation shall be made therefore.

All shop drawings that require the approval of the ACHD Traffic Engineer or the ACHD Congestion Management Supervisor will be subject to a minimum of a ten business day review period.

1130.03 — CONTROL OF MATERIALS

(Revised 06/03/05)

A. Warranties, Guarantees and Instruction Sheets

Manufacturers' warranties, guarantees, instruction sheets, and parts lists that are furnished with the materials incorporated in the project shall be delivered to ACHD prior to acceptance of the project.

B. Storage of Materials

Materials to be incorporated in the project shall be stored in such a manner as to ensure the preservation of their quality and fitness for the project, and to facilitate inspection.

C. Certificates of Compliance

The Contractor shall supply Certificates of Compliance to ACHD for all manufactured items furnished by the Contractor, at the discretion of the ACHD Traffic Engineer. This includes, but is not limited to, all wire, conduit, junction boxes, control equipment, striping materials and sign materials. The Contractor shall not install any such item until ACHD has approved its Certificate of Compliance. In addition, ACHD may permit the use of certain materials or assemblies prior to sampling and testing if accompanied by a Certificate of Compliance. The certificate shall be signed by the manufacturer of the material or the manufacturer of assembled materials and shall state that the materials involved comply in all respects with the requirements of these Supplemental Provisions and the contract documents. A Certificate of Compliance shall be furnished with each lot of material delivered to the work site. Each certified lot shall be clearly identified in the certificate.

All materials used on the basis of a Certificate of Compliance may be sampled and tested at any time. The fact that material is used on the basis of a Certificate of Compliance shall not relieve the Contractor of responsibility for incorporating material in the work which conforms to the requirements of the plans and these Supplemental Provisions. Any material not conforming to the requirements set forth in the plans and these Supplemental Provisions will be subject to rejection whether in place or not.

ACHD reserves the right to refuse the use of material on the basis of a Certificate of Compliance when inspection or other evidence indicates the material does not in fact comply with the contract requirements or these Supplemental Provisions.

D. ACHD Furnished Materials

ACHD will make available to the Contractor all materials which are listed in the contract documents as supplied by ACHD. The Contractor shall be responsible for coordinating pick up of ACHD furnished materials in a timely manner. Contractor shall coordinate with the appropriate ACHD personnel as described in these Supplemental Provisions. ACHD furnished materials shall be provided at ACHD's Traffic Operations facility and shall be hauled to the construction site by the Contractor. Contractor will also be responsible for any costs associated with handling, loading and unloading of material supplied by ACHD.

The items shown in these Supplemental Provisions as "supplied by ACHD" or "Typically Supplied by ACHD" are items generally supplied by ACHD. However, ACHD will only provide the items shown in the project Special Provisions as "supplied by ACHD", unless otherwise directed by the ACHD Traffic Engineer.

E. Use Tax

The Contractor will be required to pay use tax for all items furnished by ACHD. The use tax is based on the value of the materials supplied to the Contractor by ACHD. The ACHD Traffic Design Engineer shall make every effort to list the costs of all items to be supplied by ACHD in the bid documents. If any items supplied by ACHD are not listed in the bid documents, then the Contractor shall contact the ACHD Traffic Operations Supervisor to obtain those costs.

The Contractor is advised to consult Section 63-3609, of the Idaho Code, and Rule 12 (Contractors Improving Real Property) of the Idaho Department of Revenue and Taxation. The Contractor can contact the Idaho Department of Revenue and Taxation for guidance.