

**ABBREVIATIONS AND EQUIPMENT DESIGNATIONS**

PROPOSED    EXISTING

AC+		An ungrounded conductor
AC-		A grounded conductor
ATC		Automatic traffic counter
AWG		American wire gage
C		Conduit
CCTV	cctv	Closed circuit television
CMS	cms	Changeable message sign
DMS	dms	Dynamic message sign
EVP	evp	Emergency vehicle preemption (Opticom)
FB	fb	Flashing beacon
HPS	hps	High pressure sodium
LED	led	Light emitting diode
MA	ma	Mast arm, signal
PB	pb	Pullbox
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PHB	phb	Pedestrian Hybrid Beacon
PPB	ppb	Pedestrian push button
RRFB	rrfb	Rectangular Rapid Flashing Beacon
SB	sb	Slip Base
SIC	sic	Signal interconnect cable
S/M	s/m	Series to multiple transformer
SN		Solid neutral
SP	sp	Service point
VMS	vms	Variable message sign
WAV	wav	Wavetronix radar detection
XFMR	xfmr	Transformer

**CONTROLLER AND SERVICE EQUIPMENT**

PROPOSED

EXISTING



PAD MOUNT FOR GROUND-MOUNTED UTILITY TRANSFORMER



SERVICE PEDESTAL



SIGNAL CONTROLLER CABINET (DOOR INDICATES FRONT OF ENCLOSURE)

**PULL BOXES**

PROPOSED

EXISTING



S40-T/ADA PULL BOX



S45-T/ADA PULL BOX



S45-T/ADA PULL BOX W/RISER



32" X 32" PULL BOX



S51/ADA PULL BOX (FIBER)



25-TA SPLICE VAULT (FIBER)

**NON ILLUMINATED ROADSIDE SIGNS**

PROPOSED

EXISTING



SIGN (ONE POST)



SIGN (TWO POST) OR TYPE II/III BARRICADE

**SIGN LIGHTING EQUIPMENT**

PROPOSED

EXISTING



OVERHEAD SIGN (SINGLE POST)



OVERHEAD SIGN (TWO POSTS)



OVERHEAD SIGN (STRUCTURE MOUNT)

**SYMBOLS**

PROPOSED

EXISTING



SIGNAL HEAD NUMBER

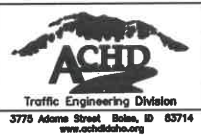


PROJECT NOTE NUMBER



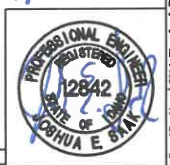
CONDUIT RUN NUMBER

NO.	DATE	BY	DESCRIPTION



SIGNATURES	
Scale: NTS	Drawn By: Jordana Beak
Date: 1/23/2020	Design By: Jordana Beak
File: 19-07368.01.DWG	Approved By: Greg Pullerton

SHEET TITLE
Signing, Striping, Signal, Lighting and Electrical Systems Symbols and Abbreviations



STANDARD DETAIL NO. TS-SYMB.01

1/23/2020

19-07368.01.DWG Standard Detail No. TS-SYMB.01

**SIGNAL EQUIPMENT**

PROPOSED	EXISTING	
		VEHICULAR SIGNAL HEAD W/BACKPLATE (SEE NOTE 1) <u>3-Section</u> Red Ball Amber Ball or Green Ball <u>Ped Hybrid Beacon</u> Red Ball / Red Ball Amber Ball
		LEFT TURN VEHICULAR SIGNAL HEAD W/BACKPLATE <u>3-Section</u> Red Arrow Amber Arrow or Green Arrow <u>4-Section</u> Red Ball Amber Ball or Green Arrow <u>4-Section</u> Red Arrow Amber Arrow or Green Arrow <u>5-Section</u> Red Ball Green Ball Amber Arrow Green Arrow
		RIGHT TURN VEHICULAR SIGNAL HEAD W/BACKPLATE <u>3-Section</u> Red Arrow Amber Arrow or Green Arrow <u>3-Section</u> Red Ball Amber Arrow or Green Arrow <u>4-Section</u> Red Ball Amber Ball Green Ball Amber/Green Arrow (Bi-Modal)
		PEDESTRIAN SIGNAL HEAD
		LUMINAIRE

**NOTES:**

- OTHER SIGNAL HEAD CONFIGURATIONS (THROUGH ARROWS, ANGLED ARROWS, LOUVERED INDICATIONS, ETC.) MAY BE NECESSARY IN ORDER TO COMMUNICATE INTERSECTION-SPECIFIC GEOMETRY. SUCH MODIFICATIONS SHALL BE ADEQUATELY NOTED ON THE SIGNAL PLAN SHEETS.
- LUMINAIRES MAY BE STAND-ALONE OR SIGNAL POLE MOUNTED. SEE PLANS FOR DETAILS.

**SIGNAL EQUIPMENT**

PROPOSED	EXISTING	
		POLE MOUNTED SIGNAL HEAD
		POLE AND MAST ARM MOUNTED SIGNAL
		POLE AND MAST ARM MOUNTED SIGNAL HEAD W/LUMINAIRE
		RAPID RECTANGULAR FLASHING BEACON (RRFB), ONE DIRECTION
		RAPID RECTANGULAR FLASHING BEACON (RRFB), TWO DIRECTIONS

**VEHICLE DETECTORS**

PROPOSED	EXISTING	
		VIDEO DETECTION ZONE
		PREFORMED INDUCTIVE COUNTER LOOP DETECTOR

**MISCELLANEOUS EQUIPMENT**

PROPOSED	EXISTING	
		CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
		VIDEO DETECTION CAMERA
		RADAR DETECTION DEVICE
		EMERGENCY PREEMPTION DETECTOR (OPTICOM, ONE DIRECTION)
		EMERGENCY PREEMPTION DETECTOR (OPTICOM, TWO DIRECTIONS)

1/23/2020

NO.	DATE	BY	DESCRIPTION
• REVISIONS •			



• SIGNATURES •	
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• SHEET TITLE •  
 Signing, Striping, Signal, Lighting and Electrical Systems  
 Symbols and Abbreviations



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