

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED EXISTING

| | | |
|------|------|---|
| AC+ | | An ungrounded conductor |
| AC- | | A grounded conductor |
| AWG | | American wire gage |
| C | | Conduit |
| CCTV | cctv | Closed circuit television |
| CMS | cma | Changeable message sign |
| DLC | dlc | Loop detector lead-in cable |
| DMS | dms | Dynamic message sign |
| EMS | ema | Extinguishable message sign |
| EVP | evp | Emergency vehicle preemption |
| FB | fb | Flashing beacon |
| FBCA | fbca | Flashing beacon control assembly |
| HAWK | hawk | High Intensity Activated Crosswalk |
| HPS | hps | High pressure sodium |
| ISNS | isna | Internally illuminated street name sign |
| LMA | lma | Luminaires mast arm |
| LPS | lps | Low pressure sodium |
| MC | mc | Mercury contactor |
| MER | mer | Mercury |
| MLC | mlc | Magnetometer detector lead-in cable |
| M/M | m/m | Multiple to multiple transformer |
| MT | mt | Conduit with pull wire or rope only |
| NC | | Normally closed |
| NO | | Normally open |
| NPAT | npat | No Parking Any Time |
| NSAT | nsat | No Stopping Any Time |
| PB | pb | Pullbox |
| PEC | pec | Photoelectric control |
| PED | ped | Pedestrian |
| PEU | peu | Photoelectric unit |
| PPB | ppb | Pedestrian push button |
| RIS | | Radio Interference Suppressor |
| SB | sb | Slip Base |
| SIC | sic | Signal Interconnect cable |
| SMA | sma | Signal mast arm |
| S/M | s/m | Series to multiple transformer |
| SN | | Solid neutral |
| SP | sp | Service point |
| TMS | | Traffic Monitoring Station |
| 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 |
| | | Controller Equipment Enclosure (Door Indicates Front of Enclosure) |

NON ILLUMINATED ROADSIDE SIGNS

PROPOSED EXISTING

| | | |
|--|--|--|
| | | One Post Sign |
| | | Two Post Sign or Type II/III Barricade |

SIGN LIGHTING EQUIPMENT

PROPOSED EXISTING

| | | |
|--|--|-----------------------------------|
| | | Overhead Sign (Single Post) |
| | | Overhead Sign (Two Posts) |
| | | Overhead Sign (Structure Mounted) |

SYMBOLS

PROPOSED EXISTING

| | | |
|--|--|----------------------|
| | | Signal head number |
| | | Project note numbers |
| | | Conduit run numbers |

PULL BOXES

PROPOSED EXISTING

| | | |
|--|--|-------------------------------|
| | | S40-T/Ada pull box |
| | | S45-T/Ada pull box |
| | | S45-T/Ada pull box with riser |
| | | 32" x 32" pull box |
| | | S51/Ada pull box (fiber) |
| | | 25-TA Splice Vault (fiber) |

12/30/2011



• SIGNATURES •

• SHEET TITLES •

| | |
|-------------------|-----------------------------|
| Drawn By: [Blank] | Review By: Michael P. Jones |
| Date: 02/25/11 | Project No: [Blank] |
| Title: TS-SYMBOLS | Approved By: [Blank] |

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

• LICENSED ENGINEER, P.E. •

TS-SYMB

Sheet 1 of 2



SIGNAL EQUIPMENT

| PROPOSED | EXISTING | |
|----------|----------|--|
| | | Pedestrian Signal Head |
| | | Vehicle Signal Face, 3-Section |
| | | Vehicle Signal Face with Angle Visor |
| | | Modifications of Basic Symbols: "L" Indicates All Non-Arrow Sections Louvered "LG" Indicates Louvered Green Section Only "PV" Indicates Programmed Visibility Sections |
| | | Vehicle Signal Face with Backplate 3-Section Red Ball Amber Ball Green Ball HAWK (Ped Hybrid Beacon) Red Ball / Red Ball Amber Ball |
| | | Vehicle Signal Face (3, 4 or 5 Section) 3-Section Red Arrow Amber Arrow Green Arrow 4-Section Red Ball Amber Ball Green Ball 4-Section Red Arrow Amber Arrow Amber Flashing Arrow Green Arrow 5-Section Red Ball Amber Ball Green Ball Green Arrow |
| | | Vehicle Signal Face with Red and Yellow Sections and up Green Arrow |
| | | Vehicle Signal Face (3 or 4 Section) 3-Section Red Arrow Amber Arrow Green Arrow 3-Section Red Ball Amber Arrow Green Arrow 4-Section Red Ball Amber Ball Green Ball Amber/Green Arrow (BI-modal) |
| | | Emergency Preemption Detector |
| | | Luminaire |

SIGNAL EQUIPMENT

| PROPOSED | EXISTING | |
|----------|----------|--|
| | | Standard and Attached Signal Heads |
| | | Standard with Signal Mast Arm Only and Attached Signal Heads |
| | | Standard with Luminaire and Signal Mast Arms and Attached Signal Heads |
| | | Cantilever Flashing Beacons |
| | | Flashing Beacon. One Signal Section with 12 inch Lens, Backplate and Visor. "R" Indicates Red Lens, "Y" Indicates Yellow Lens. |

VEHICLE DETECTORS

| PROPOSED | EXISTING | |
|----------|----------|--|
| | | Video detection zone |
| | | Prefamed Inductive Counter Loop Detector. Outline and Location of Loop Shown. |
| | | Sawcut Inductive Counter Loop Detector. Outline and Location of Sawcut Detector Shown. |

MISCELLANEOUS EQUIPMENT

| PROPOSED | EXISTING | |
|----------|----------|---|
| | | Closed Circuit Television Camera (CCTV) |
| | | Video Detection Camera |
| | | Radar Detection Device (Advance) |

12/30/2011

| REV | DATE | BY | DESCRIPTION |
|-------|------|-----|------------------------------|
| 11/11 | 2011 | AKB | Added HAWK symbol |
| 08/26 | 2011 | AKB | Added backing amber arrow |
| 05/16 | 2011 | AKB | Added radar detection device |



| SIGNATURES | | DRAFT TITLE | |
|------------|----------|---------------|--|
| | Drawn By | Michael Payne | |
| | Check By | Michael Payne | |
| | File | ts-symb | |

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

