

BLUE SHEETS

SUBMITTALS FOR FIELD QUALIFICATION ELECTRICAL EQUIPMENT AND MATERIALS

PROJECT MANAGER: _____

PROJECT: _____

HIGHWAY: _____

COUNTY: _____

CONTRACT NO.: _____

SUBMITTING
CONTRACTOR: _____

DATE SUBMITTED: _____

CONTRACTOR
REPRESENTATIVE: _____

PHONE: _____

REVISED October 29, 2009

'BLUE SHEET' INSTRUCTIONS

These sheets are to be furnished for each project, by the Project Managers office. They are found on ODOT's Internet site @ <http://www.oregon.gov/ODOT/HWY/TS/signals.shtml> They should be down-loaded for each project, to insure that they are the most current copy.

These sheets will be accepted as equipment list in accordance with 00960.02 of the Standard Specifications.

INITIAL SUBMITTAL

The Contractor will:

1. Submit **two** copies of the Blue Sheets
2. Submit appropriate Certificate of Materials Origins (CMO) form 734-2126 as required
3. Fill out the Blue Sheets based on the projects requirements
 - a. In the **CONTENTS** pages check the box for all items that are "**NOT ON PROJECT**". **This removes the need to submit the materials page(s) for these items.**
 - b. For materials that are on the project:
 - i. Check the listed brand and circle the model to be used, or
 - ii. Write in a brand and model proposed for installation based on the project plans and specifications. Submit one catalogue cut sheet for initial qualification.
 - iii. Except for conduit and wire, do not mark more than **two** options per item

The Inspector will:

1. Review initial submittal and fill out the **INITIAL SUBMITTAL** box in the CONTENTS pages and specific materials pages for listed materials.
2. Submit write in products to the Traffic Signal Engineer for approval. Call 503-986-3596/fax 503-986-4063 to submit cut sheet of the material.
3. Return one copy of the Blue Sheets to the Contractor

CONSTRUCTION

Materials delivered to job site shall be **clearly marked** as to brand and model/part description (verified on materials), or shall be accompanied by supplier's certification as to brand and model/part description (copy attached).

The Contractor will:

1. Install materials QUALIFIED by the Inspector during the INITIAL SUBMITTAL. Install per plan and specification.
2. The required CMO's will be submitted prior to the materials being installed.

The Inspector will:

1. Verify materials installed match the Contractors INITIAL SUBMITTAL. Verify the materials are installed per plan and specification.
2. Fill out the INSPECTED & ACCEPTED ON PROJECT box for each specific materials page.
3. Send a final copy to Traffic Engineering Operations Section after construction.

OTHER

The contractor shall continue to submit **6 copies** of the following according to 00960.02: Mast Arm Poles and Arms, Strain Poles, Luminaire Extensions, Luminaires, Railroad Preemption Signs, etc. In addition use the **Green Sheets** for conditionally qualified control equipment.

CONTENTS

PAGE NO.

COMMON ELECTRICAL

NOT ON PROJECT

- 7. BOND WIRES
- 8. BONDED BUSHINGS
- 9. CABLE TIES
- 10. CONDUIT (METALLIC)
- 11. CONDUIT (NON-METALLIC)
- 12. CONDUIT BUSHINGS
- 13. CONDUIT HUB & CONDULET
- 14. CONDUIT PLUG
- 15. EXPANSION FITTING
- 16. GROUND ROD & CLAMP
- 17. JUNCTION BOXES (CAST IRON)
- 18. JUNCTION BOXES (CONCRETE)
- 19. JUNCTION BOXES (HYBRID)
- 20. TERMINAL BLOCKS
- 21. THWN WIRE
- 22. UNDERGROUND WARNING TAPE
- 23. XTRA BLANK FORM

<p><u>INITIAL SUBMITTAL</u></p> <p><input type="checkbox"/> AGREE WITH "NOT ON PROJECT"</p> <p><input type="checkbox"/> RETURNED FOR CORRECTION</p> <p>Date: _____</p> <p>Name: _____</p> <p>CTSI Card# _____</p> <p>Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.</p>

CONTENTS CONT'

PAGE NO.

TRAFFIC SIGNAL SPECIFIC

NOT ON PROJECT

- 24. ALUMINUM SIGN BRACKET
- 25. BACKPLATES
- 26. CONTROL CABLE
- 27. EYEBOLT, TURNBUCKEL, STRANDWISE
- 28. INTERCONNECT CABLE
- 29. LED MODULES (12" RED)
- 30. LED MODULES (12" YELLOW)
- 31. LED MODULES (12" GREEN)
- 32. LED MODULES (8" R, Y, G)
- 33. LED MODULES (PEDESTRIAN)
- 34. LOOP FEEDER CABLE
- 35. LOOP SPLICE
- 36. LOOP WIRE (XHHW/DUCT)
- 37. MESSENGER CABLE
- 38. METER BASE
- 39. PEDESTAL (PEDESTRIAN SIGNAL)
- 40. PEDESTAL (VEHICLE SIGNAL)
- 41. PEDESTRIAN SIGNAL
- 42. PEDESTRIAN SIGNAL MOUNT
- 43. PREFORMED LOOPS
- 44. PTR SIGNS
- 45. PUSH-BUTTON
- 46. RISER FRAMES
- 47. SERVICE CABINET/REMOTE POST
- 48. SIGNAL HEAD COVERS
- 49. SPANWIRE HANGER
- 50. TERMINAL CABINET
- 51. TETHER & STABILIZER CABLE
- 52. TETHER CLAMP
- 53. TRI-STUD ADAPTERS
- 54. VEHICLE SIGNAL BRACKET (ADJ.)
- 55. VEHICLE SIGNAL VISOR
- 56. VEHICLE SIGNALS

<p><u>INITIAL SUBMITTAL</u></p> <p><input type="checkbox"/> AGREE WITH "NOT ON PROJECT"</p> <p><input type="checkbox"/> RETURNED FOR CORRECTION</p> <p>Date: _____</p> <p>Name: _____</p> <p>CTSI Card# _____</p> <p>Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.</p>

CONTENTS CONT'

PAGE NO.

ILLUMINATION SPECIFIC

57. PHOTOELECTRIC CELL

**NOT ON
PROJECT**

INITIAL SUBMITTAL

AGREE WITH "NOT ON PROJECT"

RETURNED FOR CORRECTION

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

CONTENTS CONT'

PAGE NO.

ITS SPECIFIC

58. (Use XTRA BLANK FORM pp23)

NOT ON
PROJECT

INITIAL SUBMITTAL

AGREE WITH "NOT ON PROJECT"

RETURNED FOR CORRECTION

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

EXPANSION FITTING

DESCRIPTION: A fitting that shall be weatherproof, malleable iron. With a hot-dip galvanized finish. Providing expansion for galvanized Conduit and still maintaining a bond, internally or with an external Jumper.

USE: To provide for conduit expansion movement when crossing Expansion joints in/on structures and between fixed enclosures.

BRAND/MANUFACTURER CATALOGUE/PART NO.

EXPANSION ONLY

- O-Z/GEDNEY Type AX & AX8
Bond jumper:
Type BJ
- O-Z/GEDNEY Type AXB & AXB8
- Crouse-Hinds Type XJG
- _____
- _____
- _____
- _____
- _____

EXPANSION / DEFLECTION

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED
- QUALIFIED AS NOTED
- RETURNED FOR CORRECTION

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging
Quantity accepted _____
Quantity rejected _____

- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)
Quantity accepted _____
Quantity rejected _____

CMO REQUIRED (If steel or iron, see specifications)

- Received Date: _____

BLUE SHEETS

GROUND ROD & CLAMP

DESCRIPTION: Copper coated 5/8 inch metal rod, 8 feet to 10 feet long w/clamp

USE: All poles, conduit runs with 120V+ AC, and controller must be bonded to ground rod using full-contact clamps.

BRAND/MANUFACTURER CATALOGUE/PART NO.

GROUND ROD

- Thomas & Betts (Blackburn) 6258
- Eritech 615880
- PP Porcelain Products 8438
- Petron Pacific 5/8"
- Hubbell/Chance C615855
- _____
- _____

CLAMP

- Thomas & Betts (Blackburn) JAB58H
- Burndy GRC58
- PENN-UNION CAB or CEB
- PP Porcelain Products 8058
- Eritech HDC58
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

CHEMICAL GROUND SYSTEM

- Tessco n/a
- Superior Grounding Systems n/a
- Erico n/a
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging**
Quantity accepted _____
Quantity rejected _____

- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)**
Quantity accepted _____
Quantity rejected _____

CMO REQUIRED (If steel or iron, see specifications)

- Received Date:** _____

BLUE SHEETS

JUNCTION BOX (CONCRETE)

DESCRIPTION: Open-bottom boxes of pre-cast reinforced concrete w/Brass or stainless steel fasteners. Polymer conc also.

BRAND/MANUFACTURER CATALOGUE/PART NO.

JB-1

- ARMORCAST A6001425TA
- Christy Concrete/Oldcastle 36-1017PB
(DPF or HBBOA lid)
- CDR SA20101512
- Carson Industries H1118-12 w/
H1118-P1 lid
- Quazite PG1118BA12 w/
PG1118HA lid
- BES Concrete C9E w/C9T lid
- Brooks Products 36PB w/ concrete,
galv cast iron, or galv
steel lid
- Newbasis PCA111812A5
- Christy Concrete/Oldcastle N9 w/ SYN09-T lid

JB-2

- ARMORCAST A6001946TAPCX12
- Christy Concrete/Oldcastle 37-1220PB,
38-1324PB
(DPF or HBBOA lid)
- CDR SA20132412
- Carson Industries H1324-12 w/
H1324-P1 lid
- BES Concrete C16E w/C16T lid,
- Brooks Products 40PB w/galv cast iron
or galv steel lid
- Newbasis PCA132412A5
- Quazite PG1324BA12 w/
PG1324HA lid
- Christy Concrete/Oldcastle N30 w/ HBBOA lid

JB-3

- ARMORCAST A6001640TAPCX12
- Christy Concrete/Oldcastle 66-1730PB
(DPF or HBBOA lid)
- CDR SA20173012
- Carson Industries H1730-12 w/
H1730-P1 lid
- Quazite PG1730BA12 w/
PG1730HA lid
- Brooks Products 66PB w/ galv steel lid
- Newbasis PCA173012A541
- BES Concrete C30 w/ C30T lid
- Christy Concrete/Oldcastle B36 w/ HBBOA lid

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging
Quantity accepted _____
Quantity rejected _____
- Materials Accompanied By Manufacturer's
or Supplier's Certification (Copy attached)
Quantity accepted _____
Quantity rejected _____

CMO REQUIRED (If steel or iron, see specifications)

Received Date: _____

BLUE SHEETS

JUNCTION BOX (HYBRID)

DESCRIPTION: Open-bottom boxes made of polymer, fiberglass, and/or polymer concrete.

USE: Pull box for 120V AC conduit runs. Junction box for DC conduit runs. (splices to loop feeder cable).

BRAND/MANUFACTURER CATALOGUE/PART NO.

JB-1

- Christy Concrete/Oldcastle Box - S1118B12AA
Lid - S1118HBBOA
- Synertech Box - S1118B12FA
Lid - S1118HBBOA01
- _____
- _____

JB-2

- Christy Concrete/Oldcastle Box - S1324B12AA
Lid - S1324HBBOA
- Synertech Box - S1324B12FA
Lid - S1324HBBOA01
- _____
- _____

JB-3

- Christy Concrete/Oldcastle Box - S1730B12AA
Lid - S1730HBBOA
- Synertech Box - S1730B12FA
Lid - S1730HBBOA01
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging**
Quantity accepted _____
Quantity rejected _____

- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)**
Quantity accepted _____
Quantity rejected _____

BLUE SHEETS

THWN & XHHW WIRE

DESCRIPTION: THWN is stranded copper conductor with PVC insulation and nylon jacket. XHHW is stranded copper conductor with cross linked polyethylene insulation.

USE: All single conductor applications

BRAND/MANUFACTURER CATALOGUE/PART NO.

THWN

- | | |
|--|------------|
| <input type="checkbox"/> Southwire | WIRE |
| <input type="checkbox"/> Cerrowire | |
| <input type="checkbox"/> Cerrowire | MUST |
| <input type="checkbox"/> Superior Essex | |
| <input type="checkbox"/> General Cable (Anixter) | BE |
| <input type="checkbox"/> Carol | |
| <input type="checkbox"/> American Insulated Wire | MARKED |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | ADDITIONAL |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | MARKINGS |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | ARE |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | ALLOWED |
| <input type="checkbox"/> _____ | |

XHHW

- | | |
|--|------------|
| <input type="checkbox"/> Rome Cable (Anixter) | WIRE |
| <input type="checkbox"/> General Cable (Anixter) | |
| <input type="checkbox"/> Southwire | MUST |
| <input type="checkbox"/> Encore Wire | |
| <input type="checkbox"/> Service Wire Co | BE |
| <input type="checkbox"/> Kris Tech (KT) Wire | |
| <input type="checkbox"/> _____ | MARKED |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | ADDITIONAL |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | MARKINGS |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | ARE |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | ALLOWED |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | |
| <input type="checkbox"/> _____ | |

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging
Quantity accepted _____
Quantity rejected _____

- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)
Quantity accepted _____
Quantity rejected _____

LED MODULES (12" RED)

DESCRIPTION: Unit which replaces incandescent bulbs in signal Heads. Flange mount type.

USE: LED module to illuminate vehicle and ped signals.

BRAND/MANUFACTURER CATALOGUE/PART NO.

Vehicle Signal RED BALL 12 inch

- Dialight 433-1270-003XL
- GE Lumination DR6-RCFB-17A
- Excellence Opto Inc TRV-R12SG-D2T-C
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Vehicle Signal RED ARROW 12 inch

- Dialight 432-1374-001XOD
- GE Lumination DR6-RCAAN-17A
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging
Quantity accepted _____
Quantity rejected _____

- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)
Quantity accepted _____
Quantity rejected _____

BLUE SHEETS

LED MODULES (12" YELLOW)

DESCRIPTION: Unit which replaces incandescent bulbs in signal Heads. Flange mount type.

USE: LED module to illuminate vehicle and ped signals.

BRAND/MANUFACTURER CATALOGUE/PART NO.

Vehicle Signal YELLOW BALL 12 inch

- Dialight 433-3270-901XL
- GE Lumination DR6-YCFB-17A-YX
DR6-YCFB-17A-YX1
- Excellence Opto Inc TRV-Y12SG-D1T-C
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Vehicle Signal YELLOW ARROW 12 inch

- Dialight 431-3374-001XOD
431-3374-901XOD
- GE Lumination DR6-YCAAN-17A-YX
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging
Quantity accepted _____
Quantity rejected _____
- Materials Accompanied By Manufacturer's
or Supplier's Certification (Copy attached)
Quantity accepted _____
Quantity rejected _____

BLUE SHEETS

LED MODULES (12" GREEN)

DESCRIPTION: Unit which replaces incandescent bulbs in signal Heads. Flange mount type.

USE: LED module to illuminate vehicle and ped signals.

BRAND/MANUFACTURER CATALOGUE/PART NO.

Vehicle Signal GREEN BALL 12 inch

- Dialight 433-2270-001XL
- GE Lumination DR6-GCFB-17A
- Excellence Opto Inc TRV-G12SG-D2T-C
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Vehicle Signal GREEN ARROW 12 inch

- Dialight 432-2374-001XOD
- GE Lumination DR6-GCAAN-17A
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging
Quantity accepted _____
Quantity rejected _____
- Materials Accompanied By Manufacturer's
or Supplier's Certification (Copy attached)
Quantity accepted _____
Quantity rejected _____

BLUE SHEETS

LED MODULES (8" RED, YELLOW, and GREEN)

DESCRIPTION: Unit which replaces incandescent bulbs in signal Heads. Flange mount type.

USE: LED module to illuminate vehicle and ped signals.

BRAND/MANUFACTURER CATALOGUE/PART NO.

Vehicle Signal RED BALL 8 inch

- Dialight 433-1170-003XL
- GE Lumination DR4-RCFB-17A
- Excellence Opto Inc TRV-R08SG-D1T-C
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Vehicle Signal YELLOW BALL 8 inch

- Dialight 433-3170-901XL
- GE Lumination DR4-YCFB-17A-YX
- Excellence Opto Inc TRV-Y08SG-D1T-C
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Vehicle Signal GREEN BALL 8 inch

- Dialight 433-2170-001XL
- GE Lumination DR4-GCFB-17A
- Excellence Opto Inc TRV-G08SG-D1T-C
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging**
Quantity accepted _____
Quantity rejected _____
- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)**
Quantity accepted _____
Quantity rejected _____

BLUE SHEETS

LED MODULES (PEDESTRIAN)

DESCRIPTION: Unit which replaces incandescent bulbs in signal Heads. Flange mount type.

USE: LED module to illuminate vehicle and ped signals.

BRAND/MANUFACTURER CATALOGUE/PART NO.

Pedestrian Signal Hand/Man COMBO

- Dialight 430-6450-001X
- GE Lumination PS7-CFC1-26A
- Excellence Opto Inc TRP-C45DG-W2
- _____
- _____
- _____
- _____
- _____
- _____

Pedestrian Signal Count Down COMBO

- Dialight 430-6479-001X
- GE Lumination PS7-CFF1-26A
PS7-CFF1-26A-MB
- Excellence Opto Inc TRP-C45D3154C10
- _____
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging**
Quantity accepted _____
Quantity rejected _____
- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)**
Quantity accepted _____
Quantity rejected _____

LOOP SPLICE

DESCRIPTION: Two piece plastic enclosure flooded with silicon grease. Includes screw on silicon grease filled wire connectors.

USE: Splice point for loop feeder to loop wire.

BRAND/MANUFACTURER CATALOGUE/PART NO.

TWO PIECE ENCLOSURE

<input type="checkbox"/>	Thomas & Betts (Klik-It II)	C8811
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____

SILICONE WIRE CONNECTORS

<input type="checkbox"/>	Ideal	60, 62, 64
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging**
Quantity accepted _____
Quantity rejected _____
- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)**
Quantity accepted _____
Quantity rejected _____

PUSH-BUTTON

DESCRIPTION: Push-button boxes with "H" style mounts.

USE: Used on traffic actuated signals.

BRAND/MANUFACTURER CATALOGUE/PART NO.

Type H mount

- Campbell Company H-1
- American Pole Structures AP5H-1
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Push Button

- Rees 1371-412
- Campbell Company 4EVR, DCC800
- Taylor Machine Company TMC 48
- Polara RBDLM-B
- _____
- _____
- _____

Integrated Audible Ped.

- Polara Navigator:
N5X7BN0-B
- Campbell Company ADVISOR APS-AH
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

INITIAL SUBMITTAL

- QUALIFIED**
- QUALIFIED AS NOTED**
- RETURNED FOR CORRECTION**

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging**
Quantity accepted _____
Quantity rejected _____
- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)**
Quantity accepted _____
Quantity rejected _____

BLUE SHEETS

SERVICE CABINET & REMOTE SERVICE POST

DESCRIPTION: Base mounted service cabinet with integral meter base or RPS post mounted service cabinet. Includes circuit breakers, contactors, test switches, neutral and ground bars.

USE: Verify that size and circuit breakers submitted are as called for by plans.

BRAND/MANUFACTURER CATALOGUE/PART NO.

RPS MOUNTED CABINETS

RPS POST

- Fouch RPS
- Brownfield Manufacturing RPS
- _____
- _____

120 SERVICE

- Fouch SC-1
- Brownfield Manufacturing SC-1
- _____

120 SERVICE w/illum.

- Fouch SCL/1
- Brownfield Manufacturing SCL/1
- _____

120/240 SERVICE

- Fouch SC/2
- Brownfield Manufacturing SC/2
- _____
- _____

120/240 SERVICE w/illum.

- Fouch SCL/2
- Brownfield Manufacturing SCL/2
- _____

BASE MOUNTED CABINETS

120/240 SERVICE

- Fouch BMC
- Brownfield Manufacturing BMC
- _____

120/240 SERVICE w/illum.

- Fouch BMCL
- Brownfield Manufacturing BMCL
- _____

MISC. CABINETS

FLASHER CABINET

- Fouch SC1-FC
- Brownfield Manufacturing SC1-FC
- _____

INITIAL SUBMITTAL

- QUALIFIED
- QUALIFIED AS NOTED
- RETURNED FOR CORRECTION

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

- Verified Materials By Markings/Packaging
Quantity accepted _____
Quantity rejected _____

- Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)
Quantity accepted _____
Quantity rejected _____

CMO REQUIRED (If steel or iron, see specifications)

- Received Date: _____

VEHICLE SIGNAL BRACKET (ADJ)

DESCRIPTION: An extruded aluminum assembly that is adjustable. It's full length, that supports a vehicle signal on a mast arm and attaches to the arm by means of stainless steel straps.

USE: To support vehicle signals on a mast arm. Allowing for adjustment of signal for height and full support of signal sections.

BRAND/MANUFACTURER CATALOGUE/PART NO.

<input type="checkbox"/>	Pelco	AB-0116-L-L AB-0125-L-L AB-0109-L-L AB-0138-L-L
<input type="checkbox"/>	Olson Sky Bracket	SS-SBC64-XX SS-SBC64-SCB-XX
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____

RAMP METER SIDE POLE MOUNT

<input type="checkbox"/>	Pelco	SE-0567
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____

INITIAL SUBMITTAL

QUALIFIED

QUALIFIED AS NOTED

RETURNED FOR CORRECTION

Date: _____

Name: _____

CTSI Card# _____

Qualifications or corrections are subject to all requirements of the current issue of the Standard Specifications for Highway Construction as modified by the Project Special Provisions.

INSPECTED & ACCEPTED ON PROJECT

Date: _____

Name: _____

CTSI Card# _____

Verified Materials By Markings/Packaging
Quantity accepted _____
Quantity rejected _____

Materials Accompanied By Manufacturer's or Supplier's Certification (Copy attached)
Quantity accepted _____
Quantity rejected _____

