<table>
<thead>
<tr>
<th>Drawing Number</th>
<th>Title</th>
<th>Nature of Change</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>404.132</td>
<td>&quot;P30 Pull Box (For Use In Interconnect And Intelligent Transportation System (ITS) Communication Installations)&quot;</td>
<td>Revision to accommodate the requirements of the freeway and arterial system of transportation (FAST).</td>
<td>07/01/08</td>
</tr>
<tr>
<td>404.133</td>
<td>&quot;Type 200 Vault (For Use At Fiber Optic Splice Points)&quot;</td>
<td>Revision to accommodate the requirements of the freeway and arterial system of transportation (FAST).</td>
<td>07/01/08</td>
</tr>
<tr>
<td>404.142</td>
<td>&quot;ITS Communication Conduit And Pull Box Detail (For Existing Curb And Gutter)&quot;</td>
<td>Addition to accommodate the requirements of the freeway and arterial system of transportation (FAST).</td>
<td>07/01/08</td>
</tr>
<tr>
<td>404.143</td>
<td>&quot;Pull Box Concrete Collar In Undeveloped Areas&quot;</td>
<td>Addition to accommodate the requirements of the freeway and arterial system of transportation (FAST).</td>
<td>07/01/08</td>
</tr>
<tr>
<td>404.144</td>
<td>&quot;ITS Communication Conduit And Pull Box Detail Installed Under New Sidewalk&quot;</td>
<td>Addition to accommodate the requirements of the freeway and arterial system of transportation (FAST).</td>
<td>07/01/08</td>
</tr>
<tr>
<td>404.1500</td>
<td>&quot;Closed Circuit Television Camera&quot;</td>
<td>Addition to create a standard detail for the Closed Circuit Television Camera.</td>
<td>01/01/08</td>
</tr>
<tr>
<td>(Sheet 1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>404.1500</td>
<td>&quot;Closed Circuit Television Camera Control Unit and Cable Wiring Diagram&quot;</td>
<td>Addition to create a standard detail for the Closed Circuit Television Camera.</td>
<td>01/01/08</td>
</tr>
<tr>
<td>(Sheet 2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>404.1500</td>
<td>&quot;Camera Adaptors Stand &quot;</td>
<td>Addition to create a standard detail for the Closed Circuit Television Camera.</td>
<td>01/01/08</td>
</tr>
<tr>
<td>(Sheet 3)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sign up for the-mail notification of Uniform Standard Specifications and Drawings updates at: [http://www.rtc southernn nevada.com/mpo/streets/](http://www.rtc southernn nevada.com/mpo/streets/)

Click on the icon:
NOTES:

1. THIS PULL BOX SHALL NOT BE USED IN TRAVEL OR PARKING LANES.

2. TOP OF BOX SHALL BE LEVEL WITH EXISTING SIDEWALK OR 1" ABOVE EXISTING GRADE IN UNDEVELOPED AREAS AND SIDES SHALL BE VERTICAL.

3. FOR USE IN INTERCONNECT AND ITS COMMUNICATION INSTALLATIONS.
ADJUSTABLE TORSION SPRING ASSISTED STEEL COVER MARKED "FIBER OPTIC"

CABLE RACK

GROUNDING RIBBON

4'-8"

3'-2"

9" SUMP

6"

3'-4" OVERALL

PRECAST CONCRETE MATERIAL

NOTES:

1. DESIGN LOAD: H-20 WHEEL LOADINGS.

2. SUITABLE FOR USE IN OFF STREET LOCATIONS WHERE NOT SUBJECT TO HIGH DENSITY TRAFFIC. IT SHALL NOT BE USED IN TRAVEL OR PARKING LANES.

3. INSIDE DIMENSIONS - 30"X48"X36"

4. FOR USE AT FIBER OPTIC SPLICING POINTS.

TYPE 200 VAULT

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

TYPE 200 VAULT
( FOR USE AT FIBER OPTIC SPLICING POINTS )

DATE 3-13-08 DWG. NO. 404.133 SHEET 1 OF 1
RIGID CONDUIT BEND 3' MINIMUM RADIUS

P30 ITS COMMUNICATION PULL BOX SEE NOTES ON SHEET 2

FIBER OPTIC CABLE

5' TYP. TO NEAREST EXISTING CONSTRUCTION JOINT

SIDEWALK TO BE REMOVED AND REPLACED PER SECTION 202 OF THE STANDARD SPECIFICATIONS

A

SAWCUT

10' TYP. TO NEAREST EXISTING CONSTRUCTION JOINT

REMOVE/REPLACE CURB AND GUTTER WHEN NEEDED TO SATISFY THE CONDUIT MINIMUM BEND RADIUS

EXISTING CURB AND GUTTER

EXISTING CONCRETE SIDEWALK

4" PVC CONDUIT

OBSTRUCTION

12" MIN CLEARANCE

10' 1' 10' 1' 10' 1'

CONDUIT BEND

<table>
<thead>
<tr>
<th>SPECIFICATION REFERENCE</th>
<th>UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ITS COMMUNICATION CONDUIT AND PULL BOX DETAIL (FOR EXISTING CURB &amp; GUTTER)</td>
</tr>
</tbody>
</table>

DATE 3-13-08  DWG. NO. 404.142  SHEET 1 OF 2
PULL BOX MAY ALSO BE PLACED NEAR THE BACK OF CURB WITH A MIN. 8" CLEARANCE

FIBER OPTIC CABLE

12" MIN

32 1/4"

8" MIN

BACK OF SIDEWALK

CONDUIT ENDS MAY ENTER THE BOTTOM OF THE PULLBOX IF NECESSARY

4" MINIMUM CLEARANCE

1/2" DRAIN ROCK 12" DEPTH

PVC CONDUIT

FLOWABLE BACKFILL

DEPTH AS REQUIRED

NOTES:

1. P30 PULL BOX SHALL BE INSTALLED FOR THE TRAFFIC SIGNAL ITS COMMUNICATIONS PER APPLICABLE STANDARDS.
2. PULL BOX COVER SHALL BE INSCRIBED "FIBER OPTICS".
3. APPROXIMATE LOCATIONS OF THE PROPOSED P30 ITS COMMUNICATION PULL BOXES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING THE LOCATIONS OF THE PROPOSED ITS COMMUNICATION PULL BOXES IN THE FIELD PER STANDARD STANDARD SPECIFICATION INTERVALS AND THESE LOCATIONS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER BEFORE INSTALLATION.
4. DETAIL SHOWS METHOD OF INSTALLATION WHEN FIBER OPTIC CABLE IS REQUIRED.

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

ITS COMMUNICATION CONDUIT
AND PULL BOX DETAIL
(FOR EXISTING CURB & GUTTER)

DATE 3-13-08  DWG. NO. 404.142  SHEET 2 OF 2
PULL BOX CONCRETE COLLAR
IN UNDEVELOPED AREAS

NOTES:

1. P30 PULL BOXES SHALL BE INSTALLED FOR THE SIGNAL ITS COMMUNICATIONS PER APPLICABLE STANDARDS.

2. PULL BOX COVER SHALL BE INSCRIBED “FIBER OPTIC”.

3. LOCATIONS OF THE PROPOSED P30 ITS COMMUNICATION PULL BOXES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING THE LOCATIONS IN THE FIELD AT APPROXIMATELY 500 FEET INTERVALS. THESE LOCATIONS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER BEFORE INSTALLATION.

4. DETAIL SHOWS METHOD OF INSTALLATION WHEN FIBER OPTIC CABLE IS REQUIRED.

5. CONDUIT SIZES SHALL BE PER UNIFORM STANDARD SPECIFICATIONS, SECTION 623.

6. ALL CONDUITS SHALL HAVE A CONTINUOUS RUN OF 6 PAIR PE39 #22 AWG INTERCONNECT CABLE.

7. UNDERGROUND ORANGE MARKING TAPE SHALL BE PLACED 12 INCHES ABOVE THE INSTALLED CONDUIT AND MARKED WITH THE LEGEND “FIBER OPTIC”.

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

PULL BOX CONCRETE COLLAR
IN UNDEVELOPED AREAS

DATE 3-13-08  DWG. NO. 404.143  SHEET 1 OF 1
CCTV CAMERA
COHU 3965 - 4101
(OR APPROVED EQUAL)

CAMERA & LENS HOUSING

CAMERA ADAPTER STAND (SEE DWG. NO. 404.1500, SHEET 3 OF 3)

POLE CAP

1/2 S.S. ALL THREAD w/SINGLE S.S. FLAT WASHER AND DOUBLE S.S. NUTS (EACH SIDE) TO EXTEND COMPLETELY THROUGH POLE AND CAP (2-ALL-THREAD BOLTS REQ'D PER POLE WITH EACH OFFSET TO EXTEND THROUGH POLE)

CONNECTS TO CA295H CABLE (MALE)

CONNECTS TO CAMERA ACCESSORY (FEMALE)

WEATHER PROOF MS STYLE CONNECTOR

TRAFFIC SIGNAL POLE

CABLE (COHU MODEL CA295H OR APPROVED EQUAL) SEE CABLE WIRING DIAGRAM (DWG. NO. 000.000, SHEET 2 OF 3)

CONNECT TO BACK OF LOCAL CCTV CAMERA CONTROL UNIT COHU 9300 SERIES i-CONTROL (OR APPROVED EQUAL IN TRAFFIC CONTROLLER CABINET) (MALE)
(SEE DWG. NO. 404.1500, SHEET 2 OF 3)

FOR CCTV AND CONTROL UNIT DETAILS SEE 687 SPECIFICATIONS.

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

CLOSED CIRCUIT TELEVISION
CAMERA

DATE 11-8-07   DWG. NO. 404.1500   SHEET 1 OF 3
**CONNECTOR (MAIN)**

- **L** (VIDEO OUT)
- **A** (VIDEO SHIELD)
- **U** (115 VAC HI)
- **K** (AC GND)
- **G** (115 VAC LO)
- **T** (RS422 RX+)
- **C** (RS422 TX+)
- **J** (DATA GND)

**CONNECTOR (AMP)**

- **1** (VIDEO)
- **2** (VIDEO GND)
- **12** (BLK #22)
- **13** (WHT #22)
- **15** (GRN #22)
- **13** (WHT/BLK #26)
- **6** (TX+)
- **7** (TX-)
- **4** (RX+)
- **3** (RX-)

**CCTV CAMERA CA295H CABLE WIRING DIAGRAM**

- CONNECTS TO CAMERA ACCESSORY (FEMALE) (SEE DWG. NO. 404.1500, SHEET 1 OF 3)
- CABLE (COHU MODEL CA295H OR APPROVED EQUAL) SEE CABLE WIRING DIAGRAM
- CONNECT TO BACK OF LOCAL CCTV CAMERA CONTROL UNIT
  COHU 9300 SERIES i-CONTROL
  (OR APPROVED EQUAL IN TRAFFIC CONTROLLER CABINET) (MALE)

**LOCAL CCTV CAMERA CONTROL UNIT**
**COHU 9300 SERIES i-CONTROL**
**(OR APPROVED EQUAL)**
**(IN TRAFFIC CONTROLLER CABINET)**

**SPECIFICATION REFERENCE**

<table>
<thead>
<tr>
<th>LOCAL CCTV CAMERA CONTROL UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>COHU 9300 SERIES i-CONTROL</td>
</tr>
<tr>
<td><strong>(OR APPROVED EQUAL)</strong></td>
</tr>
<tr>
<td><strong>(IN TRAFFIC CONTROLLER CABINET)</strong></td>
</tr>
</tbody>
</table>

**UNIFORM STANDARD DRAWINGS**
**CLARK COUNTY AREA**

**CLOSED CIRCUIT TELEVISION CAMERA CONTROL UNIT AND CABLE WIRING DIAGRAM**

<table>
<thead>
<tr>
<th>DATE</th>
<th>DWG. NO.</th>
<th>SHEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-8-07</td>
<td>404.1500</td>
<td>2 OF 3</td>
</tr>
</tbody>
</table>
CAMERA ADAPTER STAND
(REQUIRED FOR POLE CAP MOUNTING)

- MAT'L (FLANGE): 1018 STEEL OR EQUIV.
- MAT'L (TUBE): Ø 3.5 X 1/8 WALL 1018 STEEL OR EQUIV

3. FINISH: YELLOW CHROMATE CONVERSION COAT TYPE I
   PER MM-42 OR MIL-C-55418 CLASS 1A

4. PAINT ALL SURFACES LIGHT GRAY METAL FINE USING
   3310042-478 PER MM-33 OR FEDERAL TEST METHOD STD NO.141,
   FINE TEXTURE OUTSIDE SURFACE ONLY AND OVERSPRAY PERMITTED.

5. REMOVE ALL BURRS AND SHARP EDGES 0.015 MAX

NOTE:
A 10' EXTENSION PROVIDED WHEN REQUIRED
DESIGNED BY INSTALLER AND APPROVED BY RTC-FAST.

---

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

CAMERA ADAPTOR STAND

DATE 11-8-07   DWG. NO. 404.1500   SHEET 3 OF 3