

## REQUEST FOR COMMENTS

### NEW STANDARD DRAWING NO. 404.1307, "TYPICAL INTERSECTION ITS UNDERGROUND LAYOUT"

The Operations Subcommittee of the Regional Transportation Commission of Southern Nevada has approved proposed additions to New Standard Drawing No. 404.1307, "Typical Intersection ITS Underground Layout", of Volume II of the Uniform Standard Drawings for Public Works' Construction Offsite Improvements, Clark County Area, Nevada, to clarify the placement of Intelligent Transportation System (ITS) conduits at intersections.

We would appreciate any comments you may have on the proposed changes, in writing, prior to 12/9/2009. Comments may be faxed to (702)676-1518 or e-mailed to ccstandards@rtcshv.com.

~~The comments received on the proposed revisions are scheduled to be placed on the agenda of the Specifications Subcommittee for the meeting of 2/10/2010 at 1:30 p.m. in the RTC Meeting Room 108. You are welcome to attend this meeting and discuss your concerns.~~

#### **PLEASE NOTE**

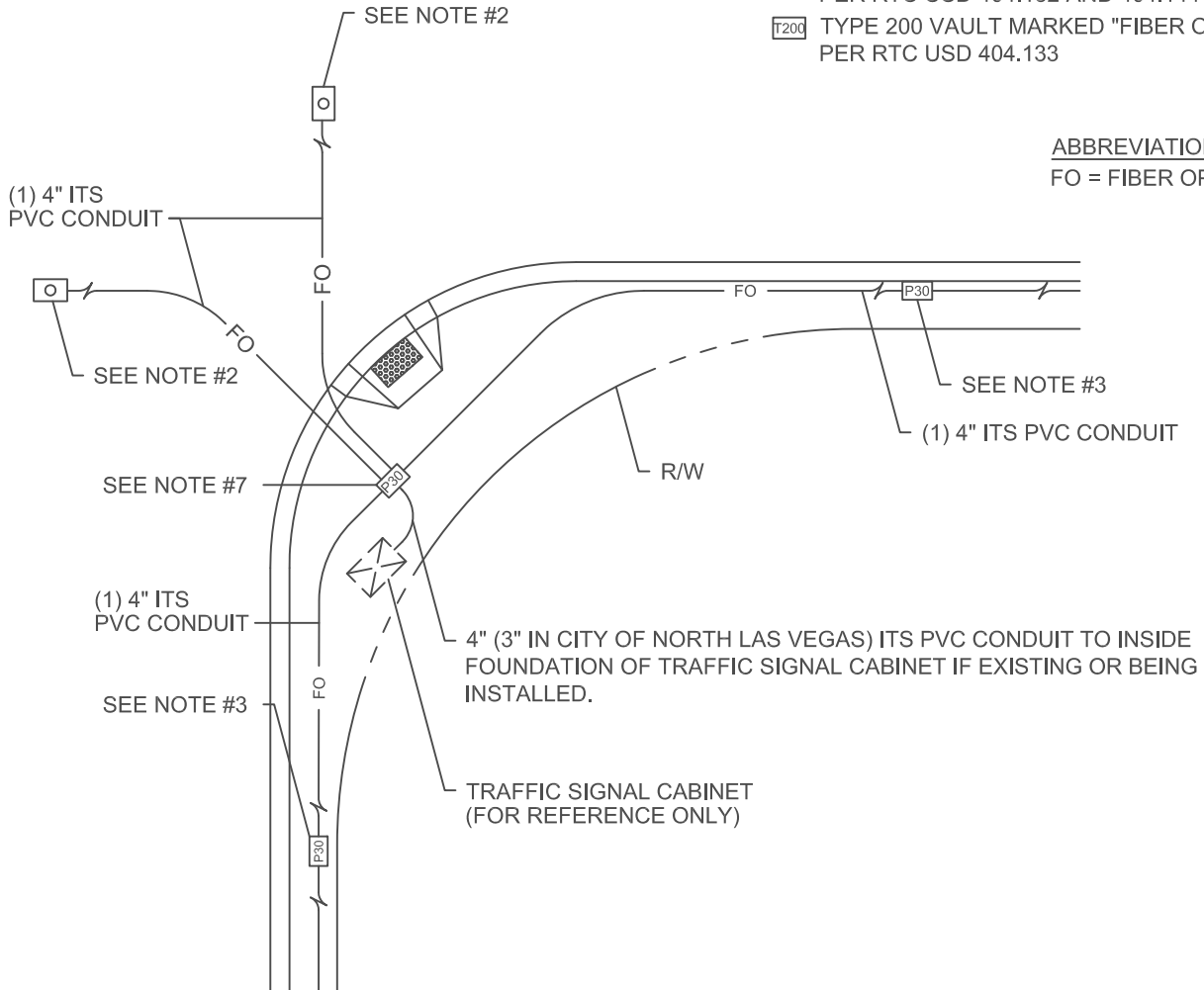
**If significant comments are received, a message will be posted to the PROPOSED REVISIONS page of the RTC web site on 12/10/2009 noting that this item will be returned to the Operations Subcommittee on 1/19/2010 for further discussion.**

**Comments Received: Item will be returned to the Operations Subcommittee on 1/19/2010 for further discussion.**

**LEGEND**

-  NO. 3-1/2 PULL BOX MARKED "FIBER OPTIC" PER RTC USD 404.110
-  P30 PULL BOX MARKED "FIBER OPTIC" PER RTC USD 404.132 AND 404.144
-  TYPE 200 VAULT MARKED "FIBER OPTIC" PER RTC USD 404.133

**ABBREVIATIONS**  
FO = FIBER OPTIC



**NOTES:**

1. ALL ITS CONDUITS SHALL HAVE A 6-PAIR, REA-PE39 #22 AWG TWISTED WIRE PAIR CABLE INSTALLED.
2. ANY EXISTING ITS CONDUITS FROM THE OPPOSING SIDE OF THE STREET SHALL BE CONNECTED TO PROPOSED CONDUITS USING THE SAME SIZE CONDUIT. IF UNDERGROUNDS DO NOT EXIST, THEN PROPOSED CONDUITS SHALL BE EXTENDED 5' PAST THE EXISTING OR PROPOSED EDGE OF PAVEMENT TO A #3-1/2 PULL BOX MARKED "FIBER OPTIC".
3. FIBER OPTIC CONDUIT SHALL BE INSTALLED WITH P30 PULL BOXES PLACED AT A MAXIMUM SPACING OF 1000', BUT SHALL NOT BE INSTALLED WITHIN 5' OF THE POINT OF CURVATURE (PC) OF THE R/W RADIUS, IN SIDEWALK RAMPS OR DRIVEWAYS. THE ITS CONDUITS SHALL BE CONNECTED TO THE EXISTING ITS CONDUITS OR, IF NOT EXISTING, AN ADDITIONAL P30 PULL BOX SHALL BE INSTALLED AT THE PROPOSED DEVELOPMENT'S PROPERTY LINE.
4. ALL CONDUIT BENDS SHALL BE PVC COATED RIGID w/ A MINIMUM RADIUS OF 36 INCHES.
5. ALL ITS PULL BOXES SHALL HAVE A POLYMER COMPOSITE BODY w/ RESIN POLYMER REINFORCED NON-CONDUCTIVE COVER MARKED "FIBER OPTIC".
6. UNDERGROUND ORANGE MARKING TAPE SHALL BE PLACED 12 INCHES ABOVE THE INSTALLED CONDUIT AND MARKED WITH THE LEGEND "FIBER OPTIC".
7. IF TRAFFIC SIGNAL CABINET EXISTS OR IS BEING INSTALLED ON CORNER, INSTALL TYPE 200 VAULT INSTEAD OF A P30 PULL BOX. INSTALL TYPE 200 VAULT PER 404.133 AND 404.1306 WITH ITS CONDUIT INTO TRAFFIC SIGNAL CABINET.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
623	TRAFFIC SIGNAL & STREET LIGHTING			
		TYPICAL INTERSECTION ITS UNDERGROUND LAYOUT		
		DATE 00-00-00	DWG. NO. 404.1307	SHEET 1 OF 1